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VANCOUVER, B.C.

ASSESSMENT REPORT

1991 PROGRAM

SIB 1-16, 20-39 CLAIMS

ESKAY CREEK REGION

SKEENA MINING DIVISION
BRITISH COLUMBIA
CANADA

N.T.S. 104B/9,10
Latitude 56° 35' N
Longitude 130° 29' W

For

AMERICAN FIBRE CORPORATION
#701 - 475 Howe Street
Vancouver, B.C.

and

SILVER BUTTE RESOURCES
#1201 - 900 West Hastings Street
Vancouver, B.C.

Prepared By

COPELAND REBAGLIATI & ASSOCIATES LTD.
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March 25, 1992

VOLUME II

GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,338
PART 2 OF 3

FILMED

APPENDIX B

DRILL LOGS AND ANALYTICAL RESULTS

DRILL HOLES 91-49 TO 91-83	VOLUME I
DRILL HOLES 91-84 TO 91-112	VOLUME II

COPELAND REBAGLIATI & ASSOCIATES LTD.

AMERICAN FIBRE CORPORATION/SILVER BUTTE RESOURCES LTD. 91-84

SIB PROPERTY DIAMOND DRILL LOG

NTS MAP #	: 104B/9	CLAIM #	: SIB 12, 35		
LOCAL GRID	: 8814.81 N / 9813.34 E	GLOBAL GRID	: 13159.71 N / 17824.96 E		
LENGTH	: 61.00 m	INCLINATION	: -51.5 degrees	ELEVATION	: 1029.63 metres
OVERBURDEN	: 1.50 m	CASING	: 1.50 metres	AZIMUTH	: 237.0 degrees
LOGGED BY	: Paul Lawnikanis	DRILLED BY	: J.T. Thomas	ASSAYING BY	: Min-En Labs
DATE LOGGED	: 1991/07/31 Y/M/D	DATE DRILLED	: 1991/07/30 Y/M/D	CORE LOCATION:	86+30 N, 96+70 E
				SAMPLE NO. SERIES :	11621-11654

SUMMARY LOG 91-84

From(m)	To(m)	Field Name (Legend)
0.00	1.50	CASING
1.50	16.00	RHYOLITE FLOW (AUTOBRECCIATED) (3.8) +/- TUFFACEOUS RHYOLITE -ASH (3.9A)
16.00	40.00	CHERTY RHYOLITIC FLOW (3.7)
		33.5 - 34.0 CHERTY RHYOLITE FLOW -BRECCIATED (3.7Bx)
40.00	45.50	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
45.50	52.20	SULPHIDIC MUDSTONE AND CHERT (3.5)
52.20	61.00	GREEN-BLACK RHYOLITIC FLOW (3.2)

61.00 END OF HOLE.

ANALYTICAL HIGHLIGHTS 91-84

From(m)	To(m)	Length(m)	Oz Au/ton	Oz Ag/ton	% Pb	% Zn

No significant results.

From(m)	To(m)	Description
0.00	1.50	CASING
1.50	16.00	RHYOLITE FLOW (AUTOBRECCIATED) (3.8) +/- TUFFACEOUS RHYOLITE -ASH (3.9A)
16.00	40.00	CHERTY RHYOLITIC FLOW (3.7) 33.5 - 34.0 CHERTY RHYOLITE FLOW -BRECCIATED (3.7Bx)

Lithology <1.5>-<32.5>

-Medium grey to bluish, very hard, siliceous, massive to semi-massive; breccia clasts (auto or phreatic? breccia) in an aphanitic siliceous matrix. Breccia clasts are commonly rounded to semi-rounded, random size variations, no size dominates.

-Clasts appear embedded in the siliceous matrix.

-Flow contacts @ 9.0m, 17.4m, 19.2m,28.0m, and 32.5 metres. Contacts at 28.0m and 9.0m marked by a 10 - 20cm "chert band" (siliceous pure flow).

-Lower contact @ 55 - 70 degrees to c/a not sharp; fragment mesh into the rhyolitic flow material.

Structure

-Massive, dull, no foliation or bedding developed.

-Fracturing (weathering fratures) common @ 1.5 - 8.0m, 21.0 - 23.0m, 24.1 - 27.0m, 29.0 - 32.5m. Hematite and lesser (trace) MnO2 developed on fracture surfaces, botryoidal textures.

Alteration

-Silicification (moderate)

-Quartz rich hairline to 3mm common, angles variable. Also a lesser but later stage quartz - Fe-carbonate type of veining present. These veins are 2 - 4mm and favor a 35 - 58 degree to c/a angle.

Mineralization

-Unmineralized, trace pyrite.

40.00	45.50	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)

Lithology <32.5>-<46.8>

-See previous drill hole for extra discussion (Hole 91-83).

-Medium grey, some lighter green sections, colour changes from 41.0 - 43.0 metres due to post-depositional alterations.

-Fragment rich tuff that resembles a conglomerate. Poorly sorted, chaotic texture. Fragments are primarly quartzose and felsic volcanic clasts. Other clasts include glass shards, black chert or siliceous mudstone, and subporphyritic type clasts of unknown composition.

Of important note is the absence of the sericitic angular clasts so common in the 91-83 intersection.

-The fragmentals are commonly 0.5 - 1cm rounded clasts, but size range is deceptive. The matrix appears to be made up of smaller versions of the fragmental framework (network). Fragmentals comprise 30 - 50% of rock. Matrix

From(m) To(m) ----------Description----------

is a melange of smaller fragmentals, ash, and sericitic material. Both matrix size and composition are variable over short lengths.
-Lithology distinctions below 41.0 metres are very difficult.

Structure
-Shear zone (41.0 - 46.8m) -Un or non uniform shearing, numerous foliation angles, variable development of sericite partings.
-Brittle fracture zones: 45.8 - 46.8m, quartz healed hairline to 1cm random veins crisscrossing in core. The large veins are @ 70 - 80 degrees to c/a (unoriented core).
-Fault @ lower contact 46.8 metres; fault veining at 40 degrees to c/a.

Alteration
-Weak sericite alteration, increasing to moderate below 43.0 metres.
-Moderate silicification.
-Veining: See with upper interval, hairline - 1mm, quartz veins common, random. Later Fe-carbonate type veins usually 1 - 3mm, commonly at 50 - 65 degrees to c/a.

Mineralization
-Trace detrital pyrite in the fragmental unit.
-Isolated quartz - Fe-carbonate vein @ 33.0m has trace stibnite (Re sample 11637). Vein at 23 degrees to c/a, fracture filling type vein. Chloritic boundaries mark contact with wall rock.

45.50 52.20 SULPHIDIC MUDSTONE AND CHERT (3.5)
52.20 61.00 GREEN-BLACK RHYOLITIC FLOW (3.2)

Lithology <46.8>-<61.0>
-Dark grey, some medium to dark grey patches. Ash dominated tuff.
-5 - 15% fragments, chert or black mudstone dominate; below 51.0m, larger volcanic and sericitic fragments (angular) occur. Most fragments are < 1.0cm, and shapes vary.
-Matrix is composed of ash,(grey-black to grey) very fine grained and lesser crystal material. Grain size makes positive identification difficult. Bedding is developed in the tuff.
-Mudstone unit/subunit from 50.55 - 52.2m (1.65m)
-Siliceous, very hard, black, pyritic laminaes fully transposed, rotated into parallel to c/a orientations. Micro fractures with Fe-carbonate filling common, trace sphalerite.

Structure
-Bedding developed especially below 53.5 metres. At 52.5 - 61.0 metres, bedding @ 70 degrees to c/a.
-Sheared from 46.8 - 47.8 metres, with incipient silica flooding.

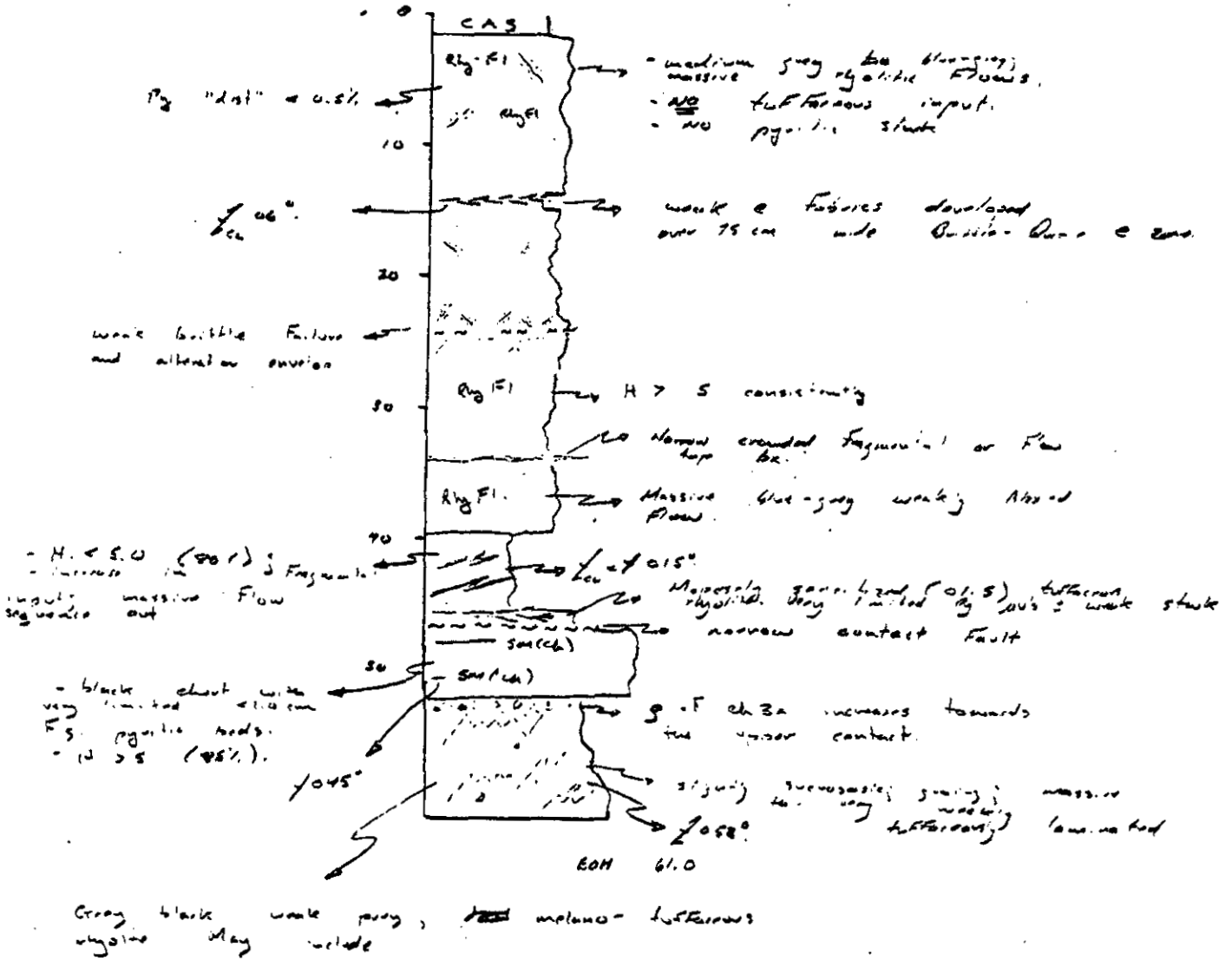
From(m) To(m) ----------Description----------

Alteration
-Moderate silicification from 46.8 - 58.5 metres.
-Weak to moderate below 58.5 metres. (Decrease in alteration related to increase in sericite and volcanic debris in the volcanic).
-Isolated quartz - Fe-carbonate veins (<0.8cm) @ 47.0, 48.0, 48.1, 58.0 metres; orientations consistants from 65 - 80 degrees to c/a. No pyrite present.
-Fracture type development of quartz - Fe-carbonate veining common throughout this unit, especially from 46.8 - 51.8 metres.

Mineralization
- 1 - 2% pyrite from 46.8 - 52.5 metres, probably syngenetic in origin,
- <0.75% pyrite below 52.5 metres.
-Trace sphalerite associated with quartz - Fe-carbonate veins between 51.0 - 51.9 metres.
-No other sulphide located in the mudstone interval.

61.00 END OF HOLE.

DDH 91-84.



STRATIGRAPHIC RELATIONS SUGGEST THIS BOREHOLE INTERSECTS THE EASTERN BUT NOT THE WESTERN SYNFORMAL LIMB.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-84	11621	1.50	3.00	1.50	-	-	21	-	-	0.5	24	3	27	-	6	19	57	7010	460
91-84	11622	3.00	5.00	2.00	-	-	36	-	-	0.5	32	2	29	-	6	25	68	11770	730
91-84	11623	5.00	7.00	2.00	-	-	20	-	-	0.7	30	3	58	-	6	26	67	8840	900
91-84	11624	7.00	9.00	2.00	-	-	21	-	-	0.5	25	1	77	-	6	27	108	14180	1690
91-84	11625	9.00	11.00	2.00	-	-	7	-	-	0.8	30	2	87	-	6	24	98	10760	890
91-84	11626	11.00	13.00	2.00	-	-	3	-	-	0.7	30	1	83	-	6	24	100	10960	610
91-84	11627	13.00	15.00	2.00	-	-	20	-	-	0.5	55	5	183	-	7	28	140	18600	610
91-84	11628	15.00	17.00	2.00	-	-	1	-	-	0.7	31	3	66	-	6	28	131	12430	300
91-84	11629	17.00	19.00	2.00	-	-	3	-	-	0.6	28	1	114	-	6	25	106	11270	420
91-84	11630	19.00	21.00	2.00	-	-	18	-	-	0.7	25	1	102	-	6	27	82	9930	1120
91-84	11631	21.00	23.00	2.00	-	-	17	-	-	0.5	28	1	96	-	6	21	78	11550	660
91-84	11632	23.00	25.00	2.00	-	-	17	-	-	0.8	28	1	119	-	6	26	145	15000	290
91-84	11633	25.00	27.00	2.00	-	-	30	-	-	0.4	19	1	131	-	7	34	117	12970	220
91-84	11634	27.00	29.00	2.00	-	-	10	-	-	0.6	22	1	21	-	6	25	98	10910	60
91-84	11635	29.00	31.00	2.00	-	-	3	-	-	0.7	28	2	18	-	5	24	84	6240	80
91-84	11636	31.00	32.50	1.50	-	-	3	-	-	0.6	26	2	9	-	6	23	90	8080	80
91-84	11637	32.50	33.10	0.60	-	-	1	-	-	0.7	24	1	99	-	6	27	133	12530	250
91-84	11638	33.10	35.00	1.90	-	-	10	-	-	0.8	24	2	75	-	6	28	178	13820	220
91-84	11639	35.00	37.00	2.00	-	-	3	-	-	0.7	22	1	70	-	6	33	120	13950	470
91-84	11640	37.00	39.00	2.00	-	-	12	-	-	0.7	24	1	11	-	6	28	125	10220	2080
91-84	11641	39.00	41.00	2.00	-	-	7	-	-	0.6	26	1	74	-	6	28	99	10440	970
91-84	11642	41.00	43.00	2.00	-	-	2	-	-	0.9	31	3	165	-	8	30	125	11830	4700
91-84	11643	43.00	45.00	2.00	-	-	12	-	-	0.8	21	1	211	-	6	28	112	9490	7410
91-84	11644	45.00	46.80	1.80	-	-	3	-	-	0.9	27	1	238	-	7	31	136	13680	8800
91-84	11645	46.80	48.00	1.20	-	-	21	-	-	0.5	104	14	91	-	10	21	137	19020	8960
91-84	11646	48.00	49.00	1.00	-	-	14	-	-	0.4	124	14	154	-	11	25	177	22030	4320
91-84	11647	49.00	50.00	1.00	-	-	16	-	-	0.5	99	17	171	340	13	28	172	20210	1990
91-84	11648	50.00	51.00	1.00	-	-	23	-	-	0.4	151	28	126	530	27	33	287	23700	590
91-84	11649	51.00	52.50	1.50	-	-	27	-	-	0.5	159	20	67	530	29	31	212	25110	1340
91-84	11650	52.50	54.00	1.50	-	-	26	-	-	0.6	74	10	94	310	9	18	143	11700	11130
91-84	11651	54.00	55.50	1.50	-	-	1	-	-	3.0	71	14	80	-	10	878	114	10150	9420
91-84	11652	55.50	57.00	1.50	-	-	1	-	-	3.4	53	9	69	-	9	221	80	8510	16570
91-84	11653	57.00	59.00	2.00	-	-	3	-	-	0.7	60	10	88	-	8	482	123	12630	12930
91-84	11654	59.00	61.00	2.00	-	-	1	-	-	0.6	47	10	91	-	9	139	152	12470	3970

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ57+58
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11612	.3	20860	14	7	138	3.6	2	990	.1	2	5	10440	3010	28	27500	36	7	90	1	20	22	2	6	1	23	3.1	96	6	1	5	118	1	
11613	.4	18630	27	6	158	4.2	2	780	.1	2	7	9570	3890	21	19400	32	8	110	1	20	29	4	5	3	26	2.6	120	7	1	5	121	1	
11614	.5	18540	21	5	174	5.1	3	1140	.1	2	7	9360	4030	20	18690	38	9	110	1	30	27	4	6	3	27	2.5	148	7	2	6	133	2	
11615	.4	18340	33	4	135	4.4	2	670	.1	2	7	10550	3520	21	19180	31	4	110	1	30	32	5	5	3	24	2.2	142	7	2	4	89	1	
11616	.4	19350	25	4	135	4.7	3	760	.1	2	6	10860	3550	24	21300	39	8	100	1	10	28	4	6	2	24	2.6	150	6	1	4	108	4	
11617	.4	20220	32	5	157	4.4	3	1440	.1	2	7	10530	4020	24	21250	32	6	120	1	30	29	4	6	3	30	2.5	126	7	2	4	86	2	
11618	.4	17540	29	4	228	5.4	2	690	.1	1	7	6900	5480	13	11780	25	9	120	1	30	28	4	5	4	27	1.8	156	7	1	5	114	2	
11619	.5	21370	32	4	172	4.3	3	760	.1	2	6	9510	4850	22	19830	27	8	120	1	30	27	5	5	3	34	2.5	107	7	2	5	95	1	
11620	.5	21520	30	4	171	4.2	2	420	.1	2	6	9910	4480	24	21170	24	14	100	1	20	32	4	4	3	33	2.5	136	7	1	4	87	2	
11621	.5	4500	24	15	27	.6	3	460	.1	1	6	7010	460	7	2940	49	4	670	3	20	19	3	3	1	36	2.4	57	4	1	6	135	21	
11622	.5	7850	32	13	29	.9	3	730	.1	2	6	11770	550	13	6990	99	12	600	1	10	25	2	3	1	38	2.2	68	7	1	7	168	36	
11623	.7	6900	30	8	58	1.2	3	900	.1	1	6	8840	1170	7	4830	101	5	380	1	10	26	3	2	1	42	1.7	67	6	1	6	139	20	
11624	.5	11850	25	10	77	1.6	4	1690	.1	2	6	14180	1530	15	9750	190	11	520	1	10	27	1	3	3	56	2.2	108	8	1	7	161	21	
11625	.8	10050	30	7	87	2.1	4	890	.1	2	6	10760	1840	10	7420	100	4	380	1	20	24	2	3	2	43	1.8	98	8	1	5	117	7	
11626	.7	10180	30	6	83	1.8	4	610	.1	2	6	10960	1780	10	7590	97	10	460	1	20	24	1	3	1	41	1.9	100	7	1	7	150	3	
11627	.5	11190	55	7	183	3.1	3	610	.1	2	7	18600	2890	9	6520	86	5	360	1	20	28	5	4	1	40	1.6	140	7	1	5	103	20	
11628	.7	10560	31	6	66	1.9	3	300	.1	2	6	12430	1490	12	8840	115	11	480	1	10	28	3	3	1	39	2.0	131	8	1	6	147	1	
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11630	.7	10640	25	5	102	2.0	3	1120	.1	2	6	9930	2210	10	7030	97	8	1590	1	10	27	1	4	1	36	1.9	82	7	1	5	125	18	
11631	.5	10900	28	5	96	2.1	2	660	.1	2	6	11550	2110	12	7380	121	1	440	1	10	21	1	3	1	35	1.7	78	6	1	6	153	17	
11632	.8	13050	28	4	119	2.8	3	290	.1	2	6	15000	2430	13	9770	147	8	360	1	10	26	1	3	2	31	2.2	145	9	1	5	121	17	
11633	.4	12120	19	6	131	2.7	3	220	.1	2	7	12970	2780	15	8020	136	1	390	1	10	34	1	3	2	39	1.5	117	7	1	5	117	30	
11634	.6	7070	22	6	21	.5	4	60	.1	2	6	10910	360	11	6310	116	4	600	1	10	25	1	2	2	32	1.5	98	7	1	4	106	10	
11635	.7	3760	28	5	18	.1	3	80	.1	1	5	6240	240	5	2670	54	1	800	4	20	24	2	2	1	30	1.3	84	5	1	6	154	3	
11636	.6	4400	26	4	9	.2	2	80	.1	1	6	8080	120	6	4000	69	4	590	1	10	23	2	2	1	24	1.3	90	5	1	5	120	3	
11637	.7	12770	24	5	99	2.0	3	250	.1	2	6	12530	2380	14	9650	124	2	370	1	10	27	1	3	1	36	1.9	133	9	2	6	132	1	
11638	.8	12800	24	5	75	1.8	4	220	.1	2	6	13820	1850	16	11130	128	3	370	1	10	28	2	2	2	37	2.0	178	9	1	4	91	10	
11639	.7	12940	22	3	70	1.4	3	470	.1	2	6	13950	1630	16	11720	135	1	1840	1	10	33	1	3	1	35	2.3	120	9	1	6	133	3	
11640	.7	6730	24	3	11	.3	3	2080	.1	2	6	10220	180	11	7990	111	4	1590	1	20	28	1	5	1	23	2.3	125	6	1	5	130	12	
11641	.6	9090	26	5	74	1.3	3	970	.1	2	6	10440	1620	12	8330	98	2	510	2	20	28	1	4	1	30	2.0	99	7	1	6	147	7	
11642	.9	12000	31	5	165	3.6	2	4700	.1	2	8	11830	4120	9	7860	140	6	220	1	40	30	3	10	3	29	2.2	125	7	1	4	91	2	
11643	.8	15070	21	8	211	3.6	4	7410	.1	2	6	9490	5380	11	8230	165	9	190	1	30	28	1	16	2	42	2.3	112	7	1	4	97	12	
11644	.9	17560	27	10	238	3.8	4	8800	.1	2	7	13680	6200	15	11330	234	4	170	1	10	31	1	19	2	41	2.4	136	7	1	3	70	3	
11645	.5	5090	104	9	91	1.0	3	8960	.1	3	10	19020	2500	4	4770	243	24	1120	5	30	21	14	21	1	16	3.9	137	3	1	5	133	21	
11646	.4	8150	124	9	154	2.6	2	4320	.1	3	11	22030	4060	3	4450	121	33	1340	10	60	25	14	10	1	27	4.7	177	3	1	3	57	14	
11647	.5	8000	99	7	171	2.9	2	1990	.1	3	13	20210	3970	2	3200	73	39	1890	23	60	28	17	8	1	28	5.6	172	4	1	2	49	16	340
11648	.4	5080	151	6	126	1.5	2	590	1.3	5	27	23700	2520	2	990	57	40	2000	68	70	33	28	3	1	36	18.4	287	2	1	3	79	23	530
11649	.5	2740	159	6	67	.8	2	1340	.2	5	29	25110	1310	2	1340	70	36	1770	37	40	31	20	4	1	20	11.5	212	1	1	4	95	27	530
11650	.6	4080	74	6	94	1.1	3	11130	.1	2	9	11700	2100	3	2350	239	22	90	11	20	18	10	26	1	15	3.5	143	2	1	5	127	26	310
11651	3.0	3750	71	1	80	1.0	1	9420	.1	2	10	10150	2030	1	1700	201	23	100	9	10	878	14	22	1	19	3.1	114	2	1	4	108	1	
11652	3.4	3230	53	1	69	.8	1	16570	.1	2	9	8510	1710	1	1630	427	22	130	11	20	221	9	47	2	17	3.4	80	1	1	5	132	1	
11653	.7	5280	60	1	88	1.8	1	12930	.1	2	8	12630	2540	2	3180	279	28	60	8	20	482	10	34	2	21	4.3	123	2	1	3	82	3	
11654	.6	5110	47	1	91	1.8	1	3970	.1	2	9	12470	2180	4	3930	99	27	50	9	20	139	10	8	2	19	3.5	152	2	1	3	72	1	
11655	1.2	3640	77	7	74	.7	1	1480	14.5	8	60	20570	1370	1	1340	170	13	540	47	220	21	75	4	1	21	30.4	825	1	1	2	24	81	800
11655	1.5	5050	75	4	100	.8	1	1450	15.4	8	65	21390	2010	3	1550	176	15	550	50	230	17	80	3	1	33	45.2	867	1	1	2	27	81	1000
11656	.5	3050	173	4	151	.4	1	1350	9.3	6	44	23770	1420	1	690	86	25	1140	61	100	24	95	5	1	25	21.5	676	1	1	3	59	72	1440
11656	.6	3920	172	3	175	.5	1	1300	9.1	6	44	23670	1850	1	780	85	26	600	57	100	17	96	5	1	32	28.6	676	1	1	3	60	72	1900
11657	.2	4110	208	1	100	.8	1	730	.9	4	17	23690	2120	1	870	31	51	700	93	30	26	91	3	4	21	8.5	346	1	1	2	42	38	1500
11657	.4	5240	215	2	123	.8	1	750	.5	4	20	24140	2770	1	1020	31	53	280	93	30	22	89	3	4	27	10.6	347	1	1	2	42	38	2000
11658	.4	4420	247	1	93	1.0	1	3930	8.7	7	53	25690	2230	1	1280	95	46	560	99	280	22	98	8	1	26	35.1	859	1	1	2	28	22	1410
11658	.6	4710	270	2	97	1.1	1	4030	8.5	8	58	26990	2490	1	1370	99	49	520	104	280	21	101	8	1	30	37.3	898	1	2	2	28	22	1855
11659	.6	4940	279	3	106	1.1	1	7540	9.3	12	88	39840	2520	1	2250	218	46	520	93	710	20	135	15	1	36	34.9	938	1	1	1	16	10	2010
11659	.6	6300	299	1	125	1.3	1	8250	10.7	13	92	42740	3040	1	2510	237	48	550	104	760	23	146	17	1	35	44.0	1011	1	1	2	19	10	2120
11660	.6	5740	234	1	113	1.0	1	4680	11.6	11	90	33550	2670	1	1230	147	59	470	136	680	27	160	9	1	29	40.1	1049	1	1	2	35	8	1500
11660	.7	3630	220	2	73	.9	1	4320	10.8	10	84	31090	1810	1	990	136	56	540	121	640	23	148	8	1	24	25.3	977	1	4	2	29	8	1930
11661	.4	3930	288	1	113	.8	1	4960	5.2	6	37	26980	2070	1	1650	80	60	350	89	260	24	97	12	3	25	17.5	701	1	1	2	28	19	1290

91-84

GEOLOGIC DRILL LOG — SIB PROPERTY

HOLE 91-85
PAGE 1 OF 5

TESTS

Meterage	Dip	Azimuth
55.17	-46.5°	238.5°
0	-47°	233.5

COLLAR SURVEY:

Northing: 8847.78
Easting: 9728.27
Elevation: 979.38
Azimuth: 233°
Dip: -47°
IP Grid Coordinates: 9728E / 88'0.11

CORE BQ TW

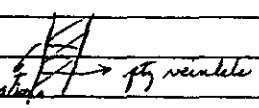
Section: 8848N
Date Started: 31/7/91
Date Finnished: 31/7/91
Date Logged: 2/8/91

Total Depth: 55.8 m.
Casing Depth 4.55 m
Casing Left In: Yes
Logged By: M. ARCHAMBAULT
Comments:

SAMPLE NUMBERS

116 55 To 116 84
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	4.55	OVERBURDEN
4.55	18.25	SULPHIDIC MUDSTONE AND CHERT (3.5)
25.95	55.8	SULPHIDIC MUDSTONE AND CHERT (3.5)
		4.55-55.8
		Lithology: Black, slightly graphitic mudstone with approximately 5% pyritic laminations or less. Laminations are both of regular thickness and lenticular. Pyrite is very fine grained in a pale grey matrix
		25.95 - 30.5 Graphite content increases towards the bottom, becomes strongly graphitic at 30.5 Pyrite laminations increase to 15%, very fine <1mm, up to 5mm thick
		30.85 - 39.3 Minor pyritic, silty beds, 2mm to 4 cm wide
		45.0 - 55.8 Highly graphitic with <5% pyritic laminations, 1-2 mm wide at 10-15° to c.a
		Structure: 4.55 - 8.2 Laminations 30° to c.a
		7.8 - 8.2 — 0.5 - 2mm wide quartz veinlets 80° and 20° to c.a and 40° and 75° to laminations



METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-25 PAGE 3 OF 5
		Mineralization: 33.55 Small veinlet 2-3cm wide of 40% stibnite with 10% ruby silver? along the border, and a 1mm band of pyrite in the mudstone wall.	
		33.9 One fracture surface shows radiating stibnite crystals up to 2cm long and 3mm wide	
		35.8-36.1 – 2 small irregular veinlets <1cm wide, approximately 25° to c.a. Extremely fine grained pyrite and red sphalerite(?) with trace of stibnite	
	"VEIN"	36.2-36.6 – 40% massive stibnite, 10% fine pyrite in black carbon rich matrix with fine calcite veinlets <1mm wide	
	"VEIN"	39.3-40.25 Laminated stibnite (50%) - barite (30%) and quartz (20%) vein. Possible contain 1 pcs of gold - Banding <1mm to 2mm at 0-20° to c.a. except at lower contact where they are 80° to c.a.	
		4.55-55.8 Disseminated pyrite Trace to <1%	
		8.2-10.1 TUFFACEOUS MUDSTONE	
		Lithology: Mudstone with small tuffaceous component, dark grey, less pyritic laminations than above unit	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-85 PAGE 2 OF 5

Structure: 11.3 Laminations 25° to c.a., several slickenides parallel to laminations
11.7 Flame structure indicates younging towards the bottom
13.0 Minor fault plane perpendicular to the laminations
14.4 Pyritic lamination is folded subparallel to c.a. and 70° to cleavage. and has with calcite veinings in open space created during the folding

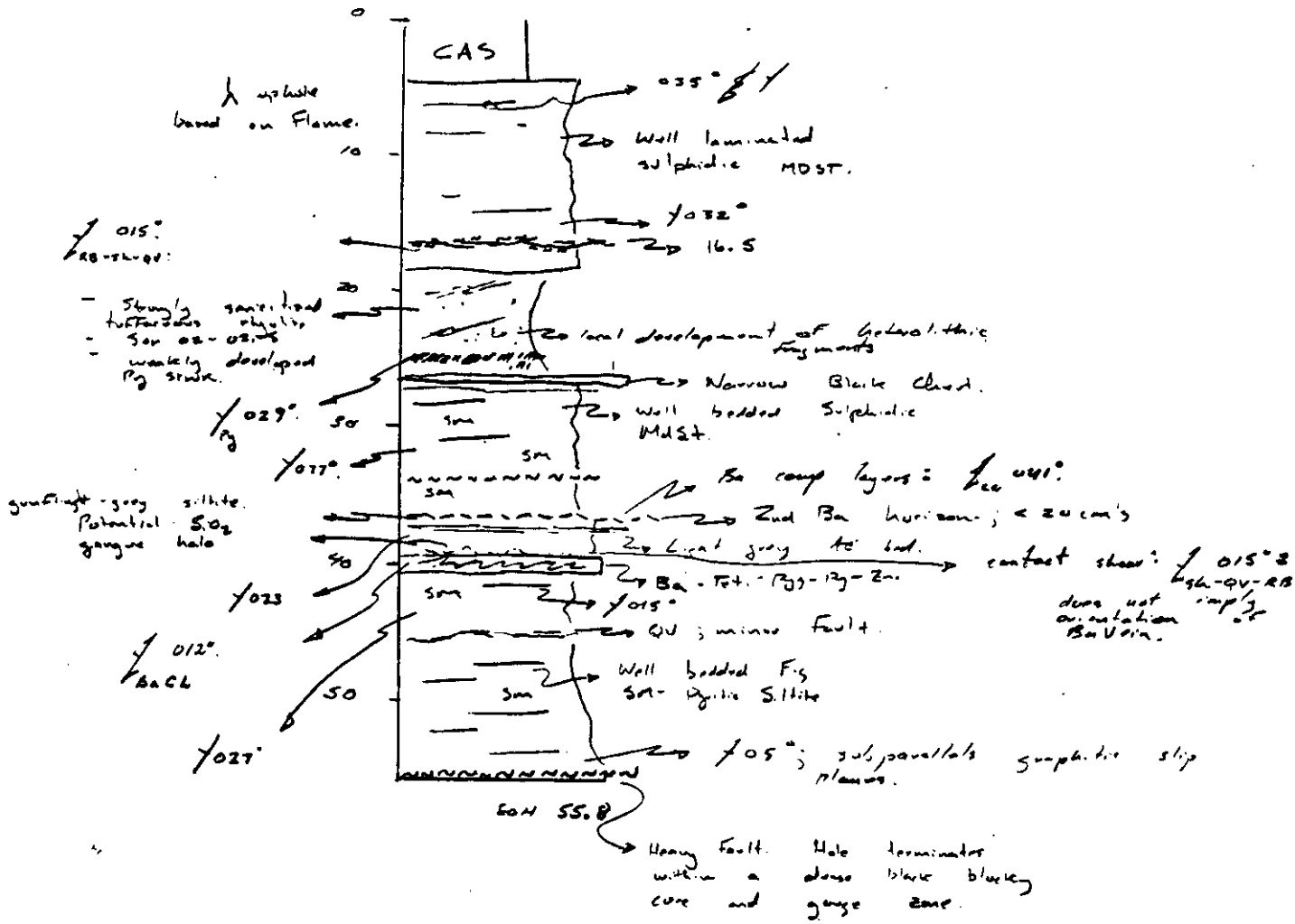
15.24 - 15.8 Numerous slickenides parallel to the laminations
15.8 - 16.3 Fault subparallel to the laminations 0-20° to c.a., with quartz filling of irregular shape, approximately 10 cm wide, slightly vuggy.
25.95 Lamination planes show slickenside striations in different orientation pitch = 0°, 30°, and 90° to c.a.
30.5 - 36.0 Laminations are 20-25° to c.a., increase in graphite content and intensity of faulting in all orientations, core very broken
36.65 - 36.85 Numerous quartz-calcite veinlets <1mm wide, in all orientations
38.8 Shearing.
45 - 55.8 Numerous slickenside subparallel to c.a.
Laminations 10-15° to c.a.

Alteration: 36.6 - 5 cm of pyritic halo on lower side of a stibnite-pyrite vein
36.65 - 36.85 Numerous quartz-calcite veinlets <1mm wide in all orientation
45.0 - 49.0 Quartz-carbonate hairline veinlets with crackling and minor brecciation
38.8 Quartz vein with minor calcite 3 cm wide in shear in pyritic mudstone
4.55 - 55.8 No Alteration

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-85 PAGE 4 OF 5
		Structure: Minor brecciation Foliated 35° to c.a Minor quartz veinlets 1-4 cm wide, 70° to foliation
		Alteration: Quartz veinlets are within 40 cm of the fault (at 8.2m), both above and below.
18.25	24.75	TUFFACEOUS RHYOLITE - SERICITE (3.9a) +/- SULPHIDIC MUDSTONE AND CHERT (3.5)
		Lithology: Clast supported with 70% fragments and ± 30% matrix Mainly composed of black cherty fragments 80%, pale grey rhyolitic fragments 20% with trace of white and of pyrite fragments, in a medium grey pyritic matrix
		Structure: Upper contact is sharp 30° to c.a Lower contact is gradational Good foliation 15° to c.a
24.75	25.95	BLACK CHERT - CHERT BRECCIA (3.3)
		Lithology: Gradational contact between the tuffaceous rhyolite and the laminated mudstone

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-85 PAGE 5 OF 5
		Structure: Foliation 30° to c.a.	
		Alteration: siliceous with 50% pyrite forming the matrix	
		Mineralization: 50% fine grained pyrite in the matrix	
		40.25 - 45.0 SILTY MUDSTONE	
		Lithology: Black mudstone with med grey silty beds (10%), 1-3 cm wide, moderately graphitic	
		Structure: Bedding 0-20° to c.a.	
		Numerous slickensides, and numerous hairline quartz-calcite veinlets with crackling and minor brecciation	
		One quartz-calcite vein up to 2 cm wide	
		55.8 End of hole	

DDH 91-85


CAS
0
10
20
30
40
50
λ up hole based on Flame.
035°
Well laminated sulphidic MDST.
032°
16.5
015°
RB-SL-QV
Strongly sericitized tuffaceous phyllite
Sor 02-03%
weakly developed Py stringers
local development of lithic fragments
Narrow Black Chert.
Well bedded Sulphidic MdSt.
029°
Py
077°
sm
Ba comp layers
041°
Zn-Ba horizons; < 20 cm's
greenish-grey siltite. Potential SiO2 gangue halo
Light grey tf bed.
contact shear: 015° SL-QV-RB does not imply orientation of Ba Vein.
Ba - Fet - Py - Py - Zn
023
015°
QV; minor Fault.
012°
BaCL
Well bedded Fg SM- Pyritic Siltite
027°
05°; subparallels graphitic slip planes.
EOH 55.8
Heavy Fault. Hole terminates within a dense black blocky core and gouge zone.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-85	11655	4.55	7.00	2.45	-	-	81	-	-	1.2	77	75	74	800	60	21	825	20570	1480
91-85	11656	7.00	9.00	2.00	-	-	72	-	-	0.5	173	95	151	1440	44	24	676	23770	1350
91-85	11657	9.00	11.00	2.00	-	-	38	-	-	0.2	208	91	100	1500	17	26	346	23690	730
91-85	11658	11.00	13.00	2.00	-	-	22	-	-	0.4	247	98	93	1410	53	22	859	25690	3930
91-85	11659	13.00	15.00	2.00	-	-	10	-	-	0.6	299	146	125	2120	92	23	1011	42740	8250
91-85	11660	15.00	17.00	2.00	-	-	8	-	-	0.6	234	160	113	1500	90	27	1049	33550	4680
91-85	11661	17.00	19.00	2.00	-	-	19	-	-	0.4	288	97	113	1290	37	24	701	26980	4960
91-85	11662	19.00	21.00	2.00	-	-	32	-	-	0.1	150	44	184	660	8	21	131	19420	2450
91-85	11663	21.00	23.00	2.00	-	-	123	-	-	0.1	328	52	351	600	6	22	164	23430	3700
91-85	11664	23.00	24.70	1.70	-	-	62	-	-	0.1	241	43	172	620	6	15	181	19500	2690
91-85	11665	24.70	25.90	1.20	-	-	301	-	-	0.1	722	78	91	1875	4	18	107	107000	1230
91-85	11666	25.90	28.00	2.10	-	-	87	-	-	0.1	414	120	205	1330	52	23	360	34290	1840
91-85	11667	28.00	30.00	2.00	-	-	10	-	-	0.3	300	185	154	2460	81	20	1061	39650	2840
91-85	11668	30.00	32.00	2.00	3.49	0.102	3910	-	-	6.7	3528	968	362	2400	64	20	646	29090	2280
91-85	11669	32.00	33.50	1.50	4.52	0.132	4340	59.80	1.74	56.9	3151	1159	349	1620	38	24	379	17700	2090
91-85	11670	33.50	34.50	1.00	9.95	0.290	8800	804.90	23.48	770.4	1393	89500	351	15125	58	78	1536	17190	8760
91-85	11671	34.50	35.70	1.20	2.92	0.085	2750	54.90	1.60	49.7	1731	1117	376	2980	36	25	536	15050	3650
91-85	11672	35.70	36.65	0.95	17.60	0.513	17500	1018.20	29.70	914.9	3824	69229	86	20125	229	107	1866	9320	16880
91-85	11673	36.65	37.65	1.00	13.80	0.403	15200	46.40	1.35	44.6	4674	2989	15846	24250	54	11	852	27040	9440
91-85	11674	37.65	38.65	1.00	20.40	0.595	21000	53.60	1.56	54.8	6259	806	1009	25750	98	9	851	32960	5970
91-85	11675	38.65	39.30	0.65	18.90	0.551	17400	369.60	10.78	340.0	3552	4395	938	26750	127	47	610	33390	8830
91-85	11676	39.30	40.30	1.00	20.80	0.601	20500	3092.70	90.20	870.3	410	79000	96	39625	818	327	2237	1080	7940
91-85	11677	40.30	41.30	1.00	1.72	0.050	1410	79.90	2.33	94.8	1644	2682	88	5200	97	28	1199	31620	23550
91-85	11678	41.30	43.00	1.70	-	-	196	29.00	0.85	23.6	770	680	72	2100	55	17	515	37080	12140
91-85	11679	43.00	44.00	1.00	-	-	87	-	-	10.8	267	358	84	1835	59	17	374	38300	9480
91-85	11680	44.00	46.00	2.00	-	-	2	-	-	2.3	148	109	307	1230	67	15	500	37720	12020
91-85	11681	46.00	48.00	2.00	-	-	43	-	-	1.9	332	133	273	2450	68	17	829	32360	19390
91-85	11682	48.00	50.00	2.00	-	-	21	-	-	2.1	176	112	183	1780	61	17	663	31610	27210
91-85	11683	50.00	54.00	4.00	-	-	10	-	-	5.4	178	128	160	1790	71	22	901	31610	22270
91-85	11684	54.00	55.80	1.80	-	-	27	-	-	1.7	143	95	110	1200	75	30	632	47450	12200

COMP: COPELAND REBAGLIATI & ASSOC.
PROJ: >'101
ATTN: MARK REBAGLAITI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0395-RD1
DATE: 91/08/22
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
11655	1.2	3640	77	7	74	.7	1	1480	14.5	8	60	20570	1370	1	1340	170	13	540	47	220	21	75	4	1	21	30.4	825	1	1	2	24	81
11656	.5	3050	173	4	151	.4	1	1350	9.3	6	44	23770	1420	1	690	86	25	1140	61	100	24	95	5	1	25	21.5	676	1	1	3	59	72
11657	.2	4110	208	1	100	.8	1	730	.9	4	17	23690	2120	1	870	31	51	700	93	30	26	91	3	4	21	8.5	346	1	1	2	42	38
11658	.4	4420	247	1	93	1.0	1	3930	8.7	7	53	25690	2230	1	1280	95	46	560	99	280	22	98	8	1	26	35.1	859	1	1	2	28	22
11659	.6	6300	299	1	125	1.3	1	8250	10.7	13	92	42740	3040	1	2510	237	48	550	104	760	23	146	17	1	35	44.0	1011	1	1	2	19	10
11660	.6	5740	234	1	113	1.0	1	4680	11.6	11	90	33550	2670	1	1230	147	59	470	136	680	27	160	9	1	29	40.1	1049	1	1	2	35	8
11661	.4	3930	288	1	113	.8	1	4960	5.2	6	37	26980	2070	1	1650	80	60	350	89	260	24	97	12	3	25	17.5	701	1	1	2	28	19
11662	.1	3890	150	1	184	.8	1	2450	.1	3	8	19420	2070	1	1050	37	38	440	12	20	21	44	7	4	26	3.0	131	1	1	2	51	32
11663	.1	4060	328	1	351	.6	1	3700	.1	3	6	23430	2190	1	1470	55	26	200	4	10	22	52	11	4	22	2.7	164	2	1	3	69	123
11664	.1	3710	241	1	172	.8	1	2690	.1	2	6	19500	1980	1	1110	45	21	190	6	10	15	43	7	4	21	2.3	181	1	1	2	56	62
11665	.1	3170	722	1	91	.1	1	1230	.1	8	4	107000	1770	1	590	58	127	150	1	10	18	78	3	1	18	.8	107	1	1	1	43	301
11666	.1	4310	414	1	205	.4	1	1840	.4	11	52	34290	2220	1	650	82	31	380	86	220	23	120	5	1	57	18.7	360	1	1	2	41	87
11667	.3	4570	300	1	154	.6	1	2840	10.8	11	81	39650	2290	1	540	114	47	380	98	640	20	185	7	1	19	31.4	1061	1	1	1	14	10
11668	6.7	5290	3528	1	362	1.0	1	2280	3.1	9	64	29090	2520	1	660	73	28	350	63	410	20	968	6	1	22	37.3	646	1	1	2	32	3910
11669	56.9	14880	3151	1	349	.7	1	2090	.1	5	38	17700	5100	1	890	59	15	540	33	190	24	1159	24	1	19	28.6	379	1	1	3	80	4340
11670	770.4	18920	1393	1	351	1.0	2	8760	11.6	5	58	17190	1760	1	3590	132	17	430	36	280	78	89500	23	1	61	32.2	1536	9	2	4	54	8800
11671	49.7	5260	1731	1	376	.7	1	3650	2.5	4	36	15050	2240	1	790	57	14	480	36	690	25	1117	11	1	22	30.7	536	1	1	2	51	2750
11672	914.9	10670	3824	1	86	.3	1	16880	9.2	3	229	9320	1590	1	3340	174	36	410	99	110	107	69229	87	1	33	32.8	1866	5	2	4	76	17500
11673	44.6	71350	4674	1	15846	2.7	6	9440	.1	13	54	27040	10590	8	5750	108	15	1200	37	480	11	2989	78	2	285	171.7	852	13	2	5	77	15200
11674	54.8	63270	6259	1	1009	2.5	6	5970	.1	11	98	32960	11640	23	3560	67	20	1140	66	1570	9	806	50	1	1076	555.4	851	5	2	12	120	21000
11675	340.0	53720	3552	1	938	1.5	7	8830	.1	10	127	33390	4980	4	3790	63	19	930	49	670	47	4395	45	1	1107	449.6	610	8	3	10	106	17400
11676	870.3	4000	410	1	96	.1	1	7940	8.9	1	818	1080	580	1	1310	34	46	340	38	50	327	79000	72	1	6	41.0	2237	8	5	2	11	20500
11677	94.8	9010	1644	1	88	1.0	1	23550	10.0	10	97	31620	3860	1	3160	573	66	390	132	1330	28	2682	99	1	33	63.8	1199	2	1	2	22	1410
11678	23.6	6550	770	1	72	.5	1	12140	2.4	10	55	37080	2570	1	3720	344	33	550	63	850	17	680	44	1	30	37.7	515	1	1	2	42	196
11679	10.8	5500	267	1	84	.8	1	9480	1.1	13	59	38300	2480	1	3270	347	23	700	60	650	17	358	32	1	31	29.2	374	1	1	1	37	87
11680	2.3	5940	148	1	307	.9	1	12020	4.0	13	67	37720	2750	1	4800	495	19	460	44	420	15	109	43	1	31	36.5	500	2	1	3	54	2
11681	1.9	6220	332	1	273	1.4	1	19390	8.0	10	68	32360	3180	1	2850	459	46	330	83	820	17	133	69	1	25	35.9	829	1	1	2	36	43
11682	2.1	5240	176	1	183	1.2	1	27210	7.2	10	61	31610	2660	1	3670	780	48	420	88	870	17	112	48	1	26	34.9	663	2	1	1	16	21
11683	5.4	3840	178	1	160	1.3	1	22270	10.3	10	71	31610	2030	1	3500	587	54	490	108	890	22	128	40	2	19	27.9	901	2	1	1	23	10
11684	1.7	6790	143	1	110	1.3	1	12200	4.2	15	75	47450	3580	1	3220	329	44	700	65	1750	30	95	30	1	29	39.5	632	1	1	3	62	27

COMP: COPELAND REBAGLIATI & ASSOC.
PROJ: >101
ATTN: MARK REBAGLAITI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0395-RD1
DATE: 91/08/22
* ROCK * (ACT:F31)

SAMPLE NUMBER	HG PPB
11655	800
11656	1440
11657	1500
11658	1410
11659	2120
11660	1500
11661	1290
11662	660
11663	600
11664	620
11665	1875
11666	1330
11667	2460
11668	2400
11669	1620
11670	15125
11671	2980
11672	20125
11673	24250
11674	25750
11675	26750
11676	39625
11677	5200
11678	2100
11679	1835
11680	1230
11681	2450
11682	1780
11683	1790
11684	1200

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
[illegible]5 WEST 15TH STREET
[illegible]RTH VANCOUVER, B.C. CANADA V7M 1T2
[illegible]ELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

91-85

Assay Certificate

1S-0395-RA1

Company: COPELAND REBAGLIATI & ASSOC.
[illegible]bject: 9101
[illegible]tn: MARK REBAGLIATI

Date: AUG-15-91
Copy 1. COPELAND REBAGLIATI & ASSOC., VAN.,B.C.
2. COPELAND REBAGLIATI, C/O MIN-EN LABS.

[illegible] *hereby certify* the following Assay of 10 ROCK samples [illegible]bmitted AUG-08-91 by DARREN WILSON.

Sample [illegible]mber	AU g/tonne	AU oz/ton
11668	3.49	.102
669	4.52	.132
[illegible]670	9.95	.290
11671	2.92	.085
[illegible]672	17.60	.513
11673	13.80	.403
11674	20.40	.595
675	18.90	.551
11676	20.80	.607
11677	1.72	.050

Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
70[illegible] WEST 15TH STREET
N[illegible] VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

11-85

Assay Certificate

1S-0395-XA1

Company: COPELAND REBAGLIATI
Project: 9101
Attn: MARK REBAGLIATI

Date: AUG-23-91
Copy 1. COPELAND REBAGLIATI & ASSOC., VAN.,BC
2. COPELAND REBAGLIATI, C/O MIN-EN LABS.

We hereby certify the following Assay of 10 PULPS samples submitted AUG-21-91 by MARK REBAGLAITI.

Sample Number	AG g/tonne	AG oz/ton
11669	59.8	1.74
11670	804.9	23.48
11671	54.9	1.60
11672	1018.2	29.70
11673	46.4	1.35
11674	53.6	1.56
11675	369.6	10.78
11676	3092.7	90.20
11677	79.9	2.33
11678	29.0	.85

Certified by _____

MIN-EN LABORATORIES

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-86
PAGE 1 OF 6

TESTS

Meterage	Dip	Azimuth
0	-76°	233.5°
75.9	-75°	240°

COLLAR SURVEY:

Northing: 8848.62
Easting: 9728.72
Elevation: 979.42
Azimuth: 230°
Dip: -76
IP Grid Coordinates: 9728E/5550N

CORE BQ TW

Section: 8848N
Date Started: 1/8/91
Date Finnished: 1/8/91
Date Logged: 3/8/91

Total Depth: 75.9m
Casing Depth 3.05m
Casing Left In: YES
Logged By: M ARCHAMBAULT
Comments:

SAMPLE NUMBERS

11685 To 11723
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	3.05	OVERBURDEN
3.05	7.9	SULPHIDIC MUDSTONE AND CHERT (3.5)
		Lithology: black, uniform grain size with minor (5%) muddy laminations of a greenish grey colour. Laminations are irregular 2mm to 3cm in width and contain tr - 20% py generally <2%. Moderately graphitic
		Structure: Laminations vary in orientation from 0° to 50° to core axis and are cut off by the cleavage. 50° to 55° to c.a. which displaces some of the laminations
7.9	19.5	TUFFACEOUS RHYOLITE - SERICITE (3.9a) +/- SULPHIDIC MUDSTONE AND CHERT (3.5)
19.5	24.0	TUFFACEOUS RHYOLITE - SERICITE (3.9a)
24.0	34.0	SULPHIDIC MUDSTONE AND CHERT (3.5)
34.0	39.2	BLACK CHERT - CHERT BRECCIA - BRECCIATED (3.3 8+)
		Lithology: Black mudstone, medium hardness, with approximately 20-30% tuffaceous content, med. grey and wispy in texture.
		Gradational contact to black cherty fragments in 30-40% tuffaceous matrix fragments 2mm-1cm, up to 3cm, generally oriented parallel to the foliation

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 41-86 PAGE 2 OF 6
		Structure: Upper contact faulted 0° to c.a	
		Foliation 10.4m 50° to c.a	
		18.1m 45° to c.a.	
		27.0m 30° to c.a.	
		30.0m 55° to c.a	
		34.0m 35° to c.a	
		34.3m 50° to c.a.	
		Lower contact 30° to c.a.	
		Alteration: Sericite alt of tuffaceous content	
		Mineralization: Pyrite in diss. < 0.5% generally in the tuffaceous component	
		23.9-34.7 up to 5% py	
		34.7-35.6 up to 10% py	
		18.43 - 23.9 VOLCANICLASTICS	
		33.65 - 33.9 "	
		34.55 - 35.4 "	
		20.3 - 23.9 Lithology: Pale to medium grey, brecciated to mottled.	
		Black cherty and pale grey fragments, gradually becomes mottled	
		around 20.3m - Both hard and soft sections	
		22.56 - 23.9 Breccia with pale grey fragments 2mm - 1cm in diameter, in a	
		medium-grey matrix.	

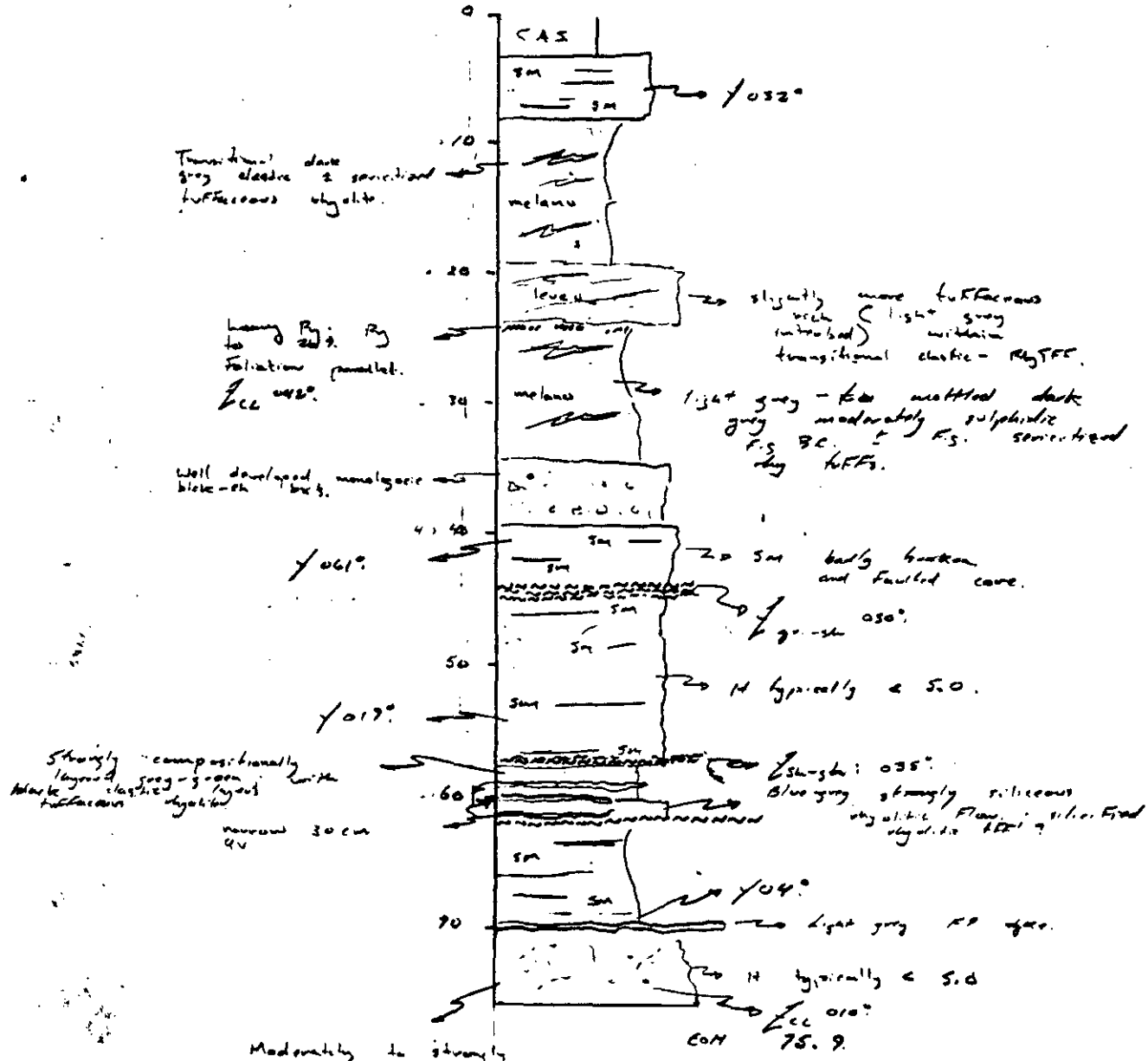
METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-36 PAGE 3 OF 6
		Structure: 23.6m Foliation 35° to c.a.	
		Alteration: 22.25-22.56 Pale grey, partly brecciated, highly silicious	
		22.56-23.9 Breccia with pale grey fragments - soft	
		Mineralization: Pyrite content increases around 21.7, occurs mainly in pale grey matrix and forms wispy laminations up to 10%	
		22.56-23.9 ≈ 5% pyrite	
39.2	57.0	SULPHIDIC MUDSTONE AND CHERT (3.5)	
57.0	63.0	CHERTY RHYOLITIC FLOW (3.7)	
63.0	69.8	SULPHIDIC MUDSTONE AND CHERT (3.5)	
		Lithology: Black, uniform grain size, highly graphitic, with minor (2%) pyritic laminations 3 mm wide	
		Structure: Fault zone, core very broken, numerous slickensides of various orientation	
		39.3 Foliations parallel to laminations 30° to c.a.	Note - drillers report bad faults at 49.7-57.6 and 62.5-65.5. Broke off bit + shell at 61m.
		51.5 Folded, bedding sub-parallel to c.a.	
		slickensides on both sides, 20° to c.a.	
		46.6 Foliation varies from 70° to 20° to c.a.	
		slickensides along foliation → pitch 30° to c.a.	
		54.55 Laminations parallel to c.a.	
		Numerous slickenside up to 66.0m - 66.0-69.8 Core less broken - slickensides 0-20° to c.a.	
		68.3 Pyritic laminations sub-parallel to c.a. with cleavage 60° to c.a.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-36 PAGE 4 OF 6
		Alteration: Carbonate shows small – hairline to 1mm thick – veinlets in various orientation
		Generally 1-2% veinlets some short intervals – up to 10%
		59.0 - 10.4 – Larger milky quartz (90%) and feldspar (beige, 10%) veins
		oriented 15° to c.a, approximately 12cm in width but highly irregular
		61.3 - 61.7 White quartz vein parallel to c.a with slickenside along the contact
		Minor beige feldspar
		On contact with sheared pyritic mudstone
		57.6 - 63.0 CHERTY RHYOLITIC FLOW (3.7)
		Lithology: Med green, foliated
		Structure: Strongly foliated 35° to c.a
		Alteration: Sericite alt., pervasive
		10% diffuse and irregular milky quartz and beige feldspar veinlets in the foliation
		Mineralization: Very fine grained disseminated pyrite ≈ 3%
69.8	70.6	DIORITE DYKE (6.1)
		Lithology: Greenish grey fragmental with sub-rounded fragments <1mm up to 4cm in diameter Both fragment and matrix supported Matrix is dark greenish grey in colour

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-76 PAGE 5 OF 6
		Fragments show a reaction rim 1-2 mm wide and are aphanitic with a trace of minute porphyritic plagioclase? crystals	
		Structure: Not foliated	
		Alteration: Pervasive sericite	
		Dark chlorite in late hairline crackle fractures.	
		Mineralization: Very fine grained disseminated pyrite in matrix - 1%	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	91-86 PAGE 6 OF 6
70.6	75.9	TUFFACEOUS RHYOLITE - SERICITE (3.9a)	
		Lithology: Med greenish grey, mottled texture, fragments generally do not show a sharp rim, are pale to dark green	
		74.1 - 74.25 - comprises slightly more mafic fragments .5mm - 1cm in diameter	
		Hardness varies throughout	
		1 segment etched with HF outlined minute quartz grains	
		Structure: Moderately foliated contact with upper unit over a 5 cm at 40° to c.a	
		70.7 15° to c.a	
		74.1 5° to c.a.	
		75.0 0 - 25° - irregular	
		Alteration: Strong pervasive sericite alt. destroyed matrix and altered fragments	
		gives the rock a mottled texture	
		Minor quartz veinlets (to feldspar) 1mm - 2cm wide (1% of total rock)	
		Mineralization: Generally no sulphides except a trace near the upper contact	
		75.9 End of Hole.	

DDH 9L-86


CAS
SM
SM
/032°
10
Transitional dark grey clastic & sericitized tuffaceous argillite.
melanu
20
lava
slightly more tuffaceous with intrusive light grey argillite transitional clastic - RhyTFF.
Foliation parallel.
30
melanu
light grey - tan mottled dark grey moderately sulphidic F.S. BC. F.S. sericitized argy tuffs.
Well developed block-sh bed, monolgoric
40
/061°
SM
SM
SM
and faulted core.
SM
SM
50
H typically < 5.0.
/017°
Strongly compositionally layered light grey - green clastic layers with black tuffaceous argillite
60
narrow 30 cm qv
SM
SM
/04°
70
light grey RP qtzc.
H typically < 5.0
EOH 75.9
Moderately to strongly sericitized yellow-cream weathered Rhy tuff. Non-tuff F.S. tuffaceous argillite may predominate, F.S. Cp. subrounded fragments.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-86	11685	3.05	6.00	2.95	-	-	41	-	-	1.4	135	98	112	1100	76	23	587	30060	2790
91-86	11686	6.00	8.00	2.00	-	-	18	-	-	0.6	304	123	75	1425	79	20	451	48140	5190
91-86	11687	8.00	10.00	2.00	-	-	10	-	-	0.2	111	30	73	4000	11	28	243	15520	4100
91-86	11688	10.00	12.00	2.00	-	-	17	-	-	0.3	109	31	92	-	10	24	268	15710	3750
91-86	11689	12.00	14.00	2.00	-	-	3	-	-	0.2	99	31	101	-	10	30	297	15190	1630
91-86	11690	14.00	16.00	2.00	-	-	21	-	-	0.3	118	30	85	-	9	26	220	16180	3750
91-86	11691	16.00	18.00	2.00	-	-	6	-	-	0.2	134	33	76	-	10	25	223	15140	3340
91-86	11692	18.00	20.00	2.00	-	-	38	-	-	0.5	116	39	105	-	10	26	280	12610	2050
91-86	11693	20.00	22.00	2.00	-	-	104	-	-	1.2	225	32	89	-	6	27	129	16190	5780
91-86	11694	22.00	24.00	2.00	-	-	239	-	-	1.1	420	36	120	-	7	25	108	29180	8030
91-86	11695	24.00	26.00	2.00	-	-	20	-	-	0.1	406	38	140	-	8	25	142	28640	3660
91-86	11696	26.00	28.00	2.00	-	-	155	-	-	0.1	636	69	198	-	8	20	171	24740	1650
91-86	11697	28.00	30.00	2.00	-	-	316	-	-	0.5	981	52	191	-	8	23	173	22030	1650
91-86	11698	30.00	32.00	2.00	-	-	750	-	-	0.2	1591	65	193	-	10	22	191	30410	2510
91-86	11699	32.00	34.00	2.00	-	-	848	-	-	0.1	1989	75	209	-	10	22	109	31560	1000
91-86	11700	34.00	36.00	2.00	-	-	661	-	-	0.9	1435	88	147	-	7	18	89	51610	550
91-86	11701	36.00	38.00	2.00	-	-	440	-	-	0.4	716	65	234	-	8	20	118	23470	480
91-86	11702	38.00	40.00	2.00	1.83	0.053	1610	11.10	0.32	10.8	1014	170	289	2340	29	26	322	26890	2440
91-86	11703	40.00	42.00	2.00	3.20	0.093	2390	84.50	2.46	77.9	745	350	148	4170	105	118	883	38570	1880
91-86	11704	42.00	44.00	2.00	4.29	0.125	3750	974.80	28.43	916.7	287	2023	193	3300	170	396	641	11010	4470
91-86	11705	44.00	47.00	3.00	4.81	0.140	3710	1103.60	32.19	1003.5	220	1442	119	2400	188	412	682	18940	10580
91-86	11706	47.00	49.00	2.00	1.22	0.036	1130	67.80	1.98	68.8	274	144	103	1620	73	61	560	30240	3470
91-86	11707	49.00	51.00	2.00	1.20	0.035	1120	22.70	0.66	20.6	708	139	126	1890	77	28	530	34530	4050
91-86	11708	51.00	53.00	2.00	-	-	246	52.30	1.53	51.8	268	207	187	1830	85	43	1058	30230	7010
91-86	11709	53.00	55.00	2.00	-	-	81	21.00	0.61	16.6	101	116	159	1100	106	31	1056	34130	9690
91-86	11710	55.00	57.60	2.60	-	-	16	-	-	2.4	98	76	176	1450	69	26	630	28120	14110
91-86	11711	57.60	59.00	1.40	-	-	10	-	-	1.3	40	10	48	385	9	21	129	11290	11870
91-86	11712	59.00	60.00	1.00	-	-	1	-	-	1.3	752	9	34	-	7	14	94	10090	17190
91-86	11713	60.00	61.00	1.00	-	-	3	-	-	1.3	150	8	15	370	10	15	43	6770	13630
91-86	11714	61.00	62.00	1.00	-	-	1	-	-	1.1	27	8	58	445	12	16	162	8550	12060
91-86	11715	62.00	63.00	1.00	-	-	41	-	-	1.3	138	47	47	1230	71	46	811	29550	4060
91-86	11716	63.00	64.00	1.00	-	-	33	-	-	0.8	108	50	42	1140	63	30	686	23200	7130
91-86	11717	64.00	65.00	1.00	-	-	1	-	-	0.6	137	65	56	1500	76	29	747	29190	7040
91-86	11718	65.00	66.00	1.00	-	-	7	-	-	0.8	120	58	57	1500	67	28	833	25320	5220
91-86	11719	66.00	68.00	2.00	-	-	19	-	-	0.7	118	62	47	1880	78	26	1194	23980	8590
91-86	11720	68.00	70.00	2.00	-	-	4	-	-	0.7	89	39	39	1290	59	31	856	17780	5650
91-86	11721	70.00	72.00	2.00	-	-	6	-	-	0.5	70	12	98	715	15	37	143	22750	8070
91-86	11722	72.00	74.00	2.00	-	-	2	-	-	0.4	28	2	75	-	7	35	152	14220	3090
91-86	11723	74.00	75.90	1.90	-	-	7	-	-	0.6	30	2	143	-	6	29	113	12540	4210

COMP: COPELAND REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: MARK REBAGLIATI

MIN-EN LABS — ICP REPORT

91-86

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0397-RJ1+2
DATE: 91/08/15
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11685	1.7	4590	138	2	189	.9	1	2850	8.5	8	77	31030	2310	2	1070	210	21	370	47	240	21	97	6	1	30	33.1	612	1	1	2	36	41	1150
11686	.6	5220	280	2	115	.7	2	4820	2.9	12	70	44660	2620	1	2290	241	25	1720	37	260	25	107	11	1	151	30.9	419	1	1	2	33	18	1475
11687	.1	3810	109	1	81	1.0	2	4090	.1	2	11	15390	1970	2	3630	53	24	560	13	30	27	25	8	1	14	4.0	253	2	2	4	87	10	415
11688	.3	4690	104	1	106	1.0	2	3750	.1	2	9	15380	2220	3	3530	43	22	650	17	30	29	26	9	1	16	3.0	270	2	1	3	67	17	
11689	.2	5270	94	1	85	1.0	2	1640	.1	2	9	15290	2280	4	3910	34	17	40	19	10	28	25	5	1	16	2.9	311	3	1	5	110	3	
11690	.2	4520	109	1	71	1.2	2	3590	.1	2	7	15530	1930	3	4290	40	12	30	12	10	28	22	9	1	13	2.1	216	2	1	2	52	21	
11691	.2	3710	139	1	66	1.0	2	3390	.1	2	8	15570	1730	3	3500	43	13	20	13	10	26	27	7	1	11	3.0	238	3	1	3	67	6	
11692	.6	3550	120	1	74	1.2	2	2180	.1	2	9	13450	1990	3	1810	30	15	40	15	10	29	35	5	2	13	1.7	307	2	1	3	77	38	
11693	1.4	3100	246	1	71	.9	2	6070	.1	2	6	17500	1700	2	2190	47	17	20	1	10	26	27	14	1	14	1.3	141	2	1	3	79	104	
11694	1.1	3100	435	1	71	.8	1	7960	.1	3	6	29400	1830	3	1730	63	27	30	1	10	25	28	14	1	13	1.3	127	2	1	2	49	239	
11695	.3	3880	405	1	98	1.0	2	3630	.1	3	7	27740	2140	3	1430	39	29	430	7	10	26	30	7	1	15	1.7	141	1	1	3	68	20	
11696	.1	4110	652	1	136	1.0	1	1660	.1	3	9	25560	2320	3	1190	20	27	420	8	10	27	64	5	1	15	2.3	182	2	1	2	61	155	
11697	.3	3410	983	1	118	.9	2	1650	.1	2	9	22170	2000	2	900	20	26	370	6	10	26	47	6	1	13	2.2	183	1	1	3	80	316	
11698	.1	3330	1489	1	129	.5	2	2300	.1	3	10	28740	1940	2	740	20	29	480	4	10	22	54	5	1	14	2.3	188	1	1	3	63	750	
11699	.1	2080	1783	1	103	.4	2	910	.1	3	8	28400	1310	1	360	19	30	380	2	10	16	59	3	1	10	1.5	104	1	1	3	68	848	
11700	.9	1570	30	1	56	.6	2	10980	.1	2	10	7890	1040	1	4950	176	5	410	4	30	15	1	47	2	18	3.1	160	3	1	5	125	661	
11701	1.2	1040	155	1	12	.3	2	14110	.1	2	9	7110	490	1	6550	248	9	310	2	30	14	1	61	1	10	2.8	53	4	1	8	190	440	
11702	1.2	2280	796	1	31	1.3	2	17530	.1	3	19	10130	1670	1	8240	250	6	50	4	30	14	1	60	4	15	3.1	108	4	1	6	93	1610	195
11703	1.3	4250	44	1	53	2.0	3	11550	.1	2	8	11550	2630	1	4960	210	6	40	1	150	22	1	37	4	17	2.7	141	4	3	3	56	2390	300
11704	2.2	3300	86	1	160	1.1	1	13060	7.7	7	62	25830	1990	1	5790	263	21	800	50	330	26	62	47	1	16	21.4	588	2	2	2	32	3750	1085
11705	16.2	3110	109	1	118	1.2	1	9470	18.1	10	106	35310	1920	1	3520	252	25	600	66	400	30	111	23	1	18	21.1	1085	2	2	8	37	3710	1190
11706	50.4	2620	239	1	179	1.2	1	6690	10.4	9	78	28390	1620	1	1950	204	45	670	103	550	42	194	13	1	15	18.2	1014	1	1	2	42	1130	1490
11707	19.5	2570	663	1	53	1.2	2	3750	4.3	9	68	31550	1520	1	540	148	25	720	53	650	31	120	8	1	14	16.0	496	1	2	2	45	1120	2180
11708	66.9	2490	275	1	83	1.3	1	3450	5.3	9	75	30970	1500	2	740	126	16	510	37	320	63	139	10	1	15	17.0	575	1	2	2	36	246	1230
11709	1099.9	2070	252	1	116	.9	1	10860	9.7	5	199	19940	1200	1	750	137	16	470	32	100	428	1518	34	1	13	13.9	726	1	1	3	61	81	1300
11710	972.1	1850	294	1	198	.6	1	4390	3.1	3	168	10880	970	1	640	86	10	500	15	40	393	2076	17	1	11	10.2	640	2	3	6	145	16	2640
11711	74.7	7450	651	2	169	2.2	1	1630	1.4	9	89	32740	3780	2	1010	78	20	1090	48	240	104	303	5	1	26	46.8	763	1	1	2	26	10	3900
11712	11.1	4800	1035	1	394	.7	1	2380	.1	5	29	27370	2430	1	860	67	40	690	33	230	25	169	12	1	20	10.8	327	1	1	2	37	1	
11713	.6	4120	706	1	293	.5	1	510	.1	3	7	23170	2130	1	500	13	18	690	10	10	20	58	2	1	20	1.9	122	1	2	4	95	3	1800
11714	.1	3580	1427	1	195	.1	1	630	.1	5	7	51350	1950	1	440	22	44	330	1	10	21	84	1	1	19	1.4	94	1	1	2	51	1	2170
11715	1.3	2460	138	13	47	1.1	2	4060	7.8	9	71	29550	1510	2	690	105	43	990	96	530	46	47	10	1	27	17.7	811	1	1	2	51	41	1230
11716	.8	2520	108	9	42	.9	1	7130	6.8	7	63	23200	1480	1	2140	157	44	1290	89	410	30	50	21	1	23	19.6	686	1	1	3	71	33	1140
11717	.6	3410	137	9	56	1.3	1	7040	7.9	9	76	29190	1950	2	1830	182	51	1060	104	680	29	65	19	1	20	19.9	747	1	1	2	38	1	1500
11718	.8	3100	120	8	57	1.0	1	5220	9.3	8	67	25320	1730	1	1230	156	50	1920	105	490	28	58	9	1	20	22.6	833	1	1	2	38	7	1500
11719	.7	2880	118	7	47	.8	2	8590	13.9	7	78	23980	1670	2	2730	271	53	1300	112	560	26	62	16	1	18	24.1	1194	1	1	1	23	19	1880
11720	.7	1970	89	7	39	.5	2	5650	10.1	6	59	17780	1130	2	1560	125	30	1300	65	380	31	39	12	1	16	18.2	856	1	1	3	72	4	1290
11721	.5	4270	70	6	98	1.8	3	8070	.1	8	15	22750	2240	3	6700	176	11	1030	9	90	37	12	22	2	21	4.0	143	3	1	2	41	6	715
11722	.4	8000	28	6	75	2.2	3	3090	.1	2	7	14220	2170	9	10040	123	8	1280	1	10	35	2	8	2	21	1.9	152	5	1	2	40	2	
11723	.6	7390	30	5	143	2.1	3	4210	.1	2	6	12540	2250	7	10440	144	5	800	1	10	29	2	11	1	18	2.0	113	5	1	3	59	7	

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
[illegible] WEST 15TH STREET
[illegible]RTH VANCOUVER, B.C. CANADA V7M 1T2
[illegible]ELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

91-86

Assay Certificate

1S-0397-RA1

C--pany: COPELAND REBAGLIATI & ASSOC.
P ject: 9101
Attn: MARK REBAGLIATI

Date: AUG-15-91
Copy 1. COPELAND REBAGLIATI & ASSOC., VAN.,B.C.
2. COPELAND REBAGLIATI, C/O MIN-EN LABS.

I hereby certify the following Assay of 7 ROCK samples submitted AUG-08-91 by DARREN WILSON.

Sample Number	AU g/tonne	AU oz/ton
11702	1.83	.053
11703	3.20	.093
11704	4.29	.125
11705	4.81	.140
11706	1.22	.036
11707	1.20	.035

Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

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VANCOUVER OFFICE:
70[illegible] EST 15TH STREET
N[illegible] VANCOUVER, B.C. CANADA V7M 1T2
TE[illegible]HONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

91-86

Assay Certificate

1S-0397-XA1

Company: COPELAND REBAGLIATI & ASSOC.
P ject: 9101
A n: MARK REBAGLIATI

Date: AUG-23-91
Copy 1. COPELAND REBAGLIATI & ASSOC., VAN.,B.C.
2. COPELAND REBABLIAGI, C/O MIN-EN LABS.

We hereby certify the following Assay of 8 PULP samples
s ubmitted AUG-21-91 by MARK REBAGLAITI.

Sample N mber	AG g/tonne	AG oz/ton
11702	11.1	.32
1[illegible]703	84.5	2.46
1 704	974.8	28.43
11705	1103.6	32.19
1[illegible]706	67.8	1.98
1.707	22.7	.66
11708	52.3	1.53
1 709	21.0	.61

Certified by _____

MIN-EN LABORATORIES

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-87
PAGE 1 OF 6

TESTS

Meterage	Dip	Azimuth
0	-61°	265°
56.4	-62°	266°

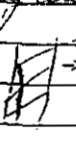
COLLAR SURVEY:
Northing: 8849.04
Easting: 9727.87
Elevation: 979.93
Azimuth: 261.5°
Dip: -61°
IP Grid Coordinates: 97+8E / 8850N

CORE BQTW
Section: 8849 N
Date Started: 1/8/91
Date Finnished: 2/8/91
Date Logged: 4/8/91

Total Depth: 56.38m
Casing Depth 3.65m
Casing Left In: YES
Logged By: M. ARCHAMBAULT
Comments:

SAMPLE NUMBERS
11724 To 11747
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	3.65	OVERBURDEN
3.65	8.5	SULPHIDIC MUDSTONE AND CHERT (3.5)
8.5	15.0	TUFFACEOUS RHYOLITE - SERICITE +/- QUARTZ VEINING (3.9a +/- QV)
15.0	37.6	SULPHIDIC MUDSTONE AND CHERT (3.5)
		Lithology: Black, uniform grain size with small pyritic pods and irregular bands (soft sediment deformation?), up to 2cm in width, form 1-2% overall.
		Moderately graphitic
		7.9-16.0 Med gray, not as graphitic, slightly coarser grained with pyrite, slate along the foliation ≈1%
		34.0-37.6 Highly graphitic, minor pyrite laminations 1%
		Structure: 5.8m cleavage 50° to c.a crossing pyrite laminations
		cleavage is 70° to the laminations
		8.6m slickenside 15-20° to ca
		16.0-37.6 Numerous slickensides in various orientations.



METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-27 PAGE 2 OF 6

Alteration: 7.2-16.0 Quartz crackle brecciated, quartz veinlets are from hairline to 2 cm wide, irregular and in various orientations. On slices they include wallrock fragments 1 mm to 2 cm in diameter. Trace feldspar.
Quartz forms 10-15% of the rock
27.12-25.6 and 31.0-31.70 Fine hairline to 2 cm wide quartz-feldspar veining (one vein up to 12 cm wide), and brecciation in fault zone → minor argillic alteration

Mineralization: Syngenetic pyrite laminations

22.0-25.95 TURBIDITIC MUDSTONE (3.6)

Lithology: Mudstone includes minor silty beds 1 mm to 16 cm thick intervals
Siltstones form approximately 2% of the rock
Pyritic laminations are absent

Structure: Bedding 45° to c.a.
Slickensides on bedding planes.
No tops indicators as the core is so broken that the pieces may not be in the right positions in the box

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-87 PAGE 3 OF 6
37.6	47.5	TUFFACEOUS RHYOLITE -SERICITE (3.9a)	
		Lithology: 37.6-42.65 Mudstone is black, cherty uniform in grain size with minor (<3.5%) small (1mm wide) irregular pyritic laminations.	
		Fragmental tuff beds are pale green, very hard with rhyolitic fragments up to 1cm. Black chert fragments generally near the contacts. Fragment size varies from mud size to 1cm in diameter with rare fragments up to 5cm in diameter.	
		TURBIDITIC MUDSTONE (3.6) +/- SULPHIDIC MUDSTONE AND CHERT (3.5): 39.75-39.7; 40.7-41.4 mixed with small Tuffaceous beds; 42.38-42.65 mixed with small Tuffaceous beds	
		Tuffs 37.7-38.75; 39.7-40.7; 41.4-42.38	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	91-87 PAGE 4 OF 6
		Structure 37.6 contact 50° to c.a is faulted and hosts a qtz-ce veinlet 2 mm wide	
		Contacts are distincts with bedding parallel to foliation in tuffs	
		38.75 faulted contact 50° to c.a also with a qtz-ce veinlet 2 mm wide	
		39.7 50° to c.a	
		40.7 65° to c.a faulted contact	
		41.4 40° " "	
		42.36 irregular contact depositional	
		42.65 " " depositional	
		Faulted contacts are concordant with foliation and bedding	
		Alteration: Tuff has been sericitized	
		Minor qtz-ce in fractures = trace	
		Mineralization: 1% laminations in cherty mudstone <0.5%	
		1% clots and disseminated pyrite in the upper 2 tuffaceous units approx 2% but not in lower ones	
47.5	56.35	CHERTY RHYOLITIC FLOW (3.1) +/- RHYOLITE FLOW (AUTOBRECCIATED) (3.8)	
		Lithology: Pale to medium greenish grey, mottled texture, grain size <1mm up to 1cm	
		minor black muddy component in schistosity	
		rhyolitic flows <25 cm thick. They are pale to medium	
		grey and show a crackled texture	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE: 91-87 PAGE 5 OF 6

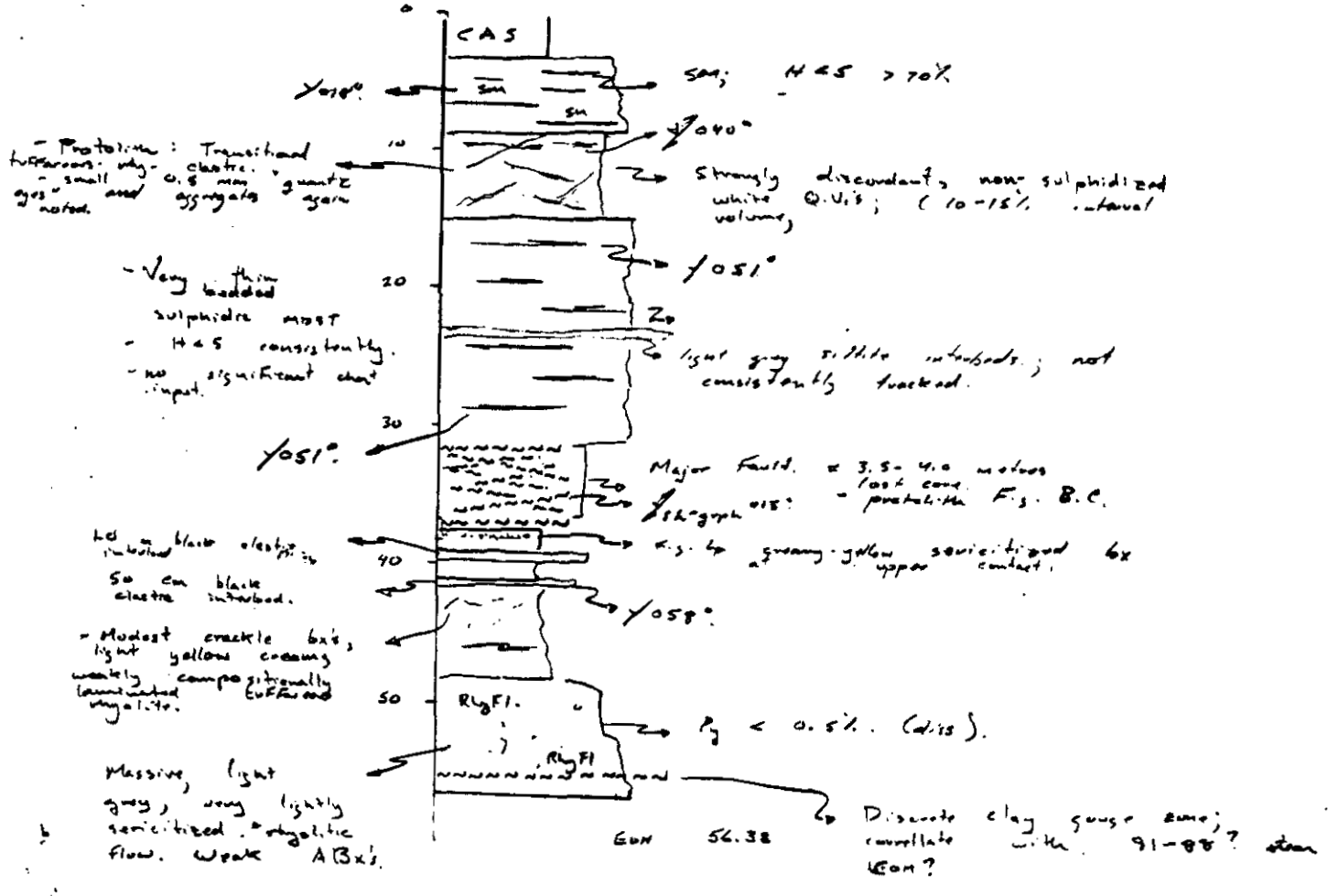
Structure: Matrix is foliated and narrow flow contacts are parallel to the foliation
42.8 foliation 50° to c.a.
43.8 sub parallel to c.a
45.3 50° to c.a.
46.8 50° " "
48.1 60° " "
51.6 30-50°
52.5 - 53.8 0-25°
53.4 40°
Minor slips on fracture surfaces 43.9 - 40° to c.a almost perp to foliation
47.4 20° to c.a, parallel to foliation - fitch 60°
several slicks 47.4 - 48.75
48.8 35°
53.0 sub perpendicular to c.a
53.8 - 54.8 - 0 → 20 → 30° and 50°
56 - 10°
55.20 - 10 cm gouge

Alteration Pervasive sericitization - destroys some of the fragment borders and the matrix - gives a mottled texture
Minor qtz-feldspar crackling 1mm - 2mm up to 1cm wide
generally 60-70° to c.a ≈ 1%

Mineralization: Traces of pyrite disc in matrix and in fractures

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	91-87 PAGE 4 OF 4
		48.75 - 51 Rhyolite Flow	
		Lithology Med to Dark grey - mottled appearance, massive and cracked	
		Minor thin Tuffaceous horizons 3-4cm wide - give foliation	
		Structure Foliation 50.7m = 50° to c.a	
		Alteration: Minor tuffaceous fraction weakly sericitized + black chlorite?	
		2tz-tr feldspar veinlets 1-2 mm wide ≈ 3%	
		Mineralization Trace of disp py - generally near minor tuffaceous component	
		56.38 End of hole	

DDH 91-87


CAS
SM; H<S > 70%
/018°
/040°
- Protolith: Transitional tuffaceous sdy-chlorite. - small 0.5 mm quartz aggregates grain gyrs noted.
Strongly discordant, now sulphidized white Q.V.'s; (10-15% interval volume)
/051°
- Very thin bedded sulphides most
- H<S consistently.
- no significant chert input.
light gray siltite interbeds; not consistently fractured.
/051°
Major Fault. ≈ 3.5-4.0 metres lost core.
Stratigraphic: - protolith F.s. B.C.
hd interbed black clastics
50 cm black clastic interbed.
F.s. ↳ greenish-yellow sericitized upper contact. 6x
/058°
- Modest crackle bx's, light yellow creamy weakly compositionally banded rhyolite.
RhyFl.
Py < 0.5%. (dis).
Massive, light grey, very lightly sericitized rhyolitic flow. Weak ABx's.
Discrete clay gouge zone; correlate with 91-88? stem EOM?
EOH 56.38

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-87	11724	3.65	6.00	2.35	-	-	163	-	-	1.5	107	94	94	915	74	18	876	31100	2890
91-87	11725	6.00	8.00	2.00	-	-	194	-	-	2.1	143	121	81	1730	87	21	1566	22740	1440
91-87	11726	8.00	10.00	2.00	-	-	211	-	-	0.7	408	155	103	1950	57	26	666	38710	2190
91-87	11727	10.00	12.00	2.00	-	-	160	-	-	0.6	188	71	83	1265	22	21	304	21680	1290
91-87	11728	12.00	14.00	2.00	-	-	417	-	-	3.4	268	453	121	845	23	24	276	24050	8800
91-87	11729	14.00	16.00	2.00	-	-	264	-	-	4.2	1383	111	246	1110	9	21	176	13300	4730
91-87	11730	16.00	18.00	2.00	-	-	268	-	-	2.1	391	108	191	1335	52	22	573	29620	5300
91-87	11731	18.00	20.00	2.00	-	-	120	-	-	1.0	470	148	112	1800	76	22	660	39150	14100
91-87	11732	20.00	22.00	2.00	-	-	4	-	-	0.6	251	122	98	1680	80	32	815	33480	8920
91-87	11733	22.00	24.00	2.00	-	-	3	-	-	0.5	120	80	119	940	52	23	315	35430	25990
91-87	11734	24.00	26.00	2.00	-	-	10	-	-	0.3	99	78	107	875	50	15	252	35480	14770
91-87	11735	26.00	28.00	2.00	-	-	17	-	-	0.7	98	88	85	1120	66	19	498	37140	13970
91-87	11736	28.00	30.00	2.00	-	-	6	-	-	1.0	100	87	108	1295	70	19	694	34360	14020
91-87	11737	30.00	32.00	2.00	-	-	118	-	-	2.0	430	105	92	1345	78	32	560	45070	8740
91-87	11738	32.00	37.60	5.60	-	-	254	-	-	3.0	924	140	89	1935	75	26	951	33350	10860
91-87	11739	37.60	40.00	2.40	-	-	12	-	-	0.6	142	44	80	930	32	27	467	22280	4790
91-87	11740	40.00	42.00	2.00	-	-	1	-	-	0.5	62	18	55	-	24	29	290	11160	8990
91-87	11741	42.00	44.00	2.00	-	-	6	-	-	0.5	25	7	115	-	8	24	153	12540	2520
91-87	11742	44.00	46.00	2.00	-	-	11	-	-	1.0	26	7	54	-	12	54	159	9910	8050
91-87	11743	46.00	48.00	2.00	-	-	7	-	-	0.5	20	6	89	-	8	25	127	11700	4700
91-87	11744	48.00	50.00	2.00	-	-	3	-	-	0.6	19	6	54	-	6	25	91	7660	7720
91-87	11745	50.00	52.00	2.00	-	-	21	-	-	0.5	19	4	78	-	6	27	124	9490	4840
91-87	11746	52.00	54.00	2.00	-	-	1	-	-	0.5	20	4	41	-	7	28	164	10420	4600
91-87	11747	54.00	56.38	2.38	-	-	1	-	-	0.4	23	5	46	-	6	27	135	9410	4480

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ61+62
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11694	1.1	5160	420	3	120	.8	1	8030	.1	3	7	29180	2730	3	2210	64	28	50	2	10	25	36	15	1	25	1.6	108	2	1	2	55	239	
11695	.1	5490	406	4	140	.7	1	3660	.1	3	8	28640	2870	3	1750	42	30	50	6	10	25	38	7	1	25	1.9	142	2	1	3	80	20	
11696	.1	5550	636	3	198	.9	1	1650	.1	3	8	24740	2910	2	1420	21	26	50	6	10	20	69	5	1	22	2.5	171	2	1	2	61	155	
11697	.5	5740	981	3	191	.8	2	1650	.1	3	8	22030	2970	2	1230	21	26	50	7	10	23	52	6	1	23	3.1	173	3	1	4	93	316	
11698	.2	4970	1591	3	193	.4	1	2510	.1	3	10	30410	2740	2	1000	23	32	40	7	10	22	65	6	1	23	3.0	191	2	1	3	73	750	
11699	.1	4190	1989	3	209	.2	1	1000	.1	3	10	31560	2340	1	660	23	33	510	5	10	22	75	3	1	22	2.5	109	1	1	4	90	848	
11700	.9	2650	1435	3	147	.1	1	550	.1	5	7	51610	1530	1	340	22	43	30	2	10	18	88	2	1	14	.9	89	1	1	2	50	661	
11701	.4	3280	716	2	234	.2	1	480	.1	3	8	23470	1750	1	410	11	18	380	10	10	20	65	2	1	17	1.6	118	1	1	4	95	440	
11702	10.8	3680	1014	3	289	.5	1	2440	.1	5	29	26890	1870	1	750	67	41	350	34	230	26	170	12	1	16	8.3	322	1	1	2	38	1610	2340
11703	77.9	5860	745	4	148	1.9	2	1880	3.1	10	105	38570	3040	1	830	93	25	490	55	280	118	350	5	1	18	36.9	883	1	2	1	28	2390	4170
11704	916.7	1800	287	1	193	.5	1	4470	2.6	3	170	11010	920	1	640	88	11	850	17	40	396	2023	17	1	11	10.0	641	2	1	6	152	3750	3300
11705	1003.5	2200	220	1	119	.7	1	10580	9.0	5	188	18940	1200	1	740	130	15	1060	32	100	412	1442	32	1	11	14.4	682	2	1	3	64	3710	2400
11706	68.8	3130	274	2	103	1.0	1	3470	5.6	8	73	30240	1700	1	780	123	15	530	35	310	61	144	10	1	14	20.2	560	1	1	2	40	1130	1620
11707	20.6	3570	708	3	126	.9	1	4050	4.0	10	77	34530	2000	1	660	163	26	420	58	720	28	139	9	1	17	21.1	530	1	1	2	59	1120	1890
11708	51.8	3200	268	3	187	.8	1	7010	11.3	9	85	30230	1840	1	2110	217	48	440	110	590	43	207	14	1	14	21.9	1058	1	1	2	54	246	1830
11709	16.6	3930	101	3	159	.9	1	9690	18.8	10	106	34130	2280	1	3520	246	25	520	67	380	31	116	22	1	16	25.5	1056	2	1	9	39	81	1100
11710	2.4	3620	98	4	176	1.0	1	14110	8.7	8	69	28120	2150	1	6270	286	23	620	55	360	26	76	50	1	15	23.3	630	3	1	2	37	16	1450
11711	1.3	3330	40	2	48	1.8	2	11870	.1	2	9	11290	2190	1	4800	208	6	430	1	150	21	10	35	3	15	2.5	129	4	1	3	57	10	385
11712	1.3	2170	752	2	34	1.0	2	17190	.1	3	7	10090	1600	1	8170	249	6	420	3	30	14	9	56	3	20	3.2	94	4	1	5	106	1	
11713	1.3	830	150	1	15	.2	2	13630	.1	1	10	6770	410	1	6190	235	9	570	4	20	15	8	55	1	10	2.6	43	4	1	8	181	3	370
11714	1.1	1420	27	1	58	.5	2	12060	.2	2	12	8550	1050	1	5380	195	5	540	5	40	16	8	49	1	24	3.3	162	4	1	6	144	1	445
11715	1.3	2460	138	13	47	1.1	2	4060	7.8	9	71	29550	1510	2	690	105	43	990	96	530	46	47	10	1	27	17.7	811	1	1	2	51	41	1230
11716	.8	2520	108	9	42	.9	1	7130	6.8	7	63	23200	1480	1	2140	157	44	1290	89	410	30	50	21	1	23	19.6	686	1	1	3	71	33	1140
11717	.6	3410	137	9	56	1.3	1	7040	7.9	9	76	29190	1950	2	1830	182	51	1060	104	680	29	65	19	1	20	19.9	747	1	1	2	38	1	1500
11718	.8	3100	120	8	57	1.0	1	5220	9.3	8	67	25320	1730	1	1230	156	50	1920	105	490	28	58	9	1	20	22.6	833	1	1	2	38	7	1500
11719	.7	2880	118	7	47	.8	2	8590	13.9	7	78	23980	1670	2	2730	271	53	1300	112	560	26	62	16	1	18	24.1	1194	1	1	1	23	19	1880
11720	.7	1970	89	7	39	.5	2	5650	10.1	6	59	17780	1130	2	1560	125	30	1300	65	380	31	39	12	1	16	18.2	856	1	1	3	72	4	1290
11721	.5	4270	70	6	98	1.8	3	8070	.1	8	15	22750	2240	3	6700	176	11	1030	9	90	37	12	22	1	21	4.0	143	3	1	2	41	6	715
11722	.4	8000	28	6	75	2.2	3	3090	.1	2	7	14220	2170	9	10040	123	8	1280	1	10	35	2	8	1	21	1.9	152	5	1	2	40	2	
11723	.6	7390	30	5	143	2.1	3	4210	.1	2	6	12540	2250	7	10440	144	5	800	1	10	29	2	11	1	18	2.0	113	5	1	3	59	7	
11724	1.5	2890	107	5	94	.2	2	2890	14.9	8	74	31100	1420	2	1420	160	21	1200	47	210	18	94	7	1	22	23.7	876	1	1	1	29	163	915
11725	2.1	3380	143	5	81	.5	2	1440	27.1	8	87	22740	1460	2	1180	211	31	1350	103	240	21	121	4	1	21	32.2	1566	1	1	2	28	194	1730
11726	.7	4460	408	7	103	.7	1	2190	8.3	9	57	38710	1970	2	660	76	86	1400	166	530	26	155	6	1	22	18.1	666	1	1	3	79	211	1950
11727	.6	2330	188	5	83	.3	2	1290	2.2	4	22	21680	1300	2	510	41	49	790	41	80	21	71	4	1	19	4.2	304	1	1	3	62	160	1265
11728	3.4	2530	268	6	121	.4	2	8800	.5	4	23	24050	1430	2	3410	156	51	810	33	70	24	453	44	1	19	6.6	276	2	1	4	97	417	845
11729	4.2	2180	1383	5	246	.5	2	4730	.1	2	9	13300	1190	2	1660	47	9	910	4	30	21	111	15	1	11	2.0	176	1	1	3	62	264	1110
11730	2.1	4030	391	6	191	.4	1	5300	4.2	7	52	29620	2040	2	1260	129	37	1090	62	470	22	108	11	1	21	18.7	573	1	1	3	74	268	1335
11731	1.0	4000	470	6	112	.1	2	14100	5.4	11	76	39150	1980	1	3100	391	50	1960	115	800	22	148	47	1	19	26.2	660	1	1	1	21	120	1800
11732	.6	4200	251	5	98	.5	2	8920	8.0	10	80	33480	1990	2	2940	306	51	3430	119	550	32	122	22	1	26	32.6	815	1	1	1	23	4	1680
11733	.5	4140	120	6	119	.4	3	25990	.9	11	52	35430	2090	2	11710	1372	19	880	38	800	23	80	91	1	28	22.7	315	3	1	2	30	3	940
11734	.3	4190	99	5	107	.4	2	14770	.2	11	50	35480	2090	1	6670	519	20	1440	36	860	15	78	50	1	29	23.5	252	2	1	1	27	10	875
11735	.7	3360	98	5	85	.5	2	13970	4.5	12	66	37140	1740	2	6010	438	32	1390	57	590	19	88	67	1	17	23.1	498	2	1	2	28	17	1120
11736	1.0	5770	100	5	108	.7	2	14020	7.9	10	70	34360	2280	4	7820	419	26	1140	55	400	19	87	69	1	29	35.7	694	3	1	4	81	6	1295
11737	2.0	3620	430	5	92	.6	2	8740	5.0	11	78	45070	1710	3	3520	298	24	1700	33	250	32	105	30	1	23	18.4	560	1	1	1	29	118	1345
11738	3.0	3120	924	5	89	1.1	1	10860	11.1	10	75	33350	1740	2	1760	298	42	1210	80	680	26	140	34	1	19	19.0	951	1	1	2	50	254	1935
11739	.6	2820	142	4	80	1.0	2	4790	3.0	4	32	22280	1780	2	480	72	33	1070	40	220	27	44	11	1	20	6.9	467	1	1	2	58	12	930
11740	.5	2630	62	4	55	.8	2	8990	1.8	3	24	11160	1470	2	840	126	25	1720	25	180	29	18	17	1	19	7.0	290	1	1	4	106	1	
11741	.5	11440	25	5	115	3.2	3	2520	.1	2	8	12540	4290	9	7310	150	76	860	1	20	24	7	6	1	49	2.2	153	6	1	2	39	6	
11742	1.0	5520	26	14	54	1.2	3	8050	.1	2	12	9910	2000	10	5970	203	11	1250	2	20	54	7	19	1	33	2.5	159	4	1	7	172	11	
11743	.5	5960	20	5	89	2.8	2	4700	.1	1	8	11700	3030	4	5820	151	4	1010	1	20	25	6	12	1	31	1.4	127	4	1	3	68	7	
11744	.6	4920	19	6	54	1.8	2	7720	.1	1	6	7660	2590	3	4120	115	7	1110	1	10	25	6	20	1	35	1.6	91	4	1	5	122	3	
11745	.5	3240	19	6	78	1.5	3	4840	.1	1	6	9490	1410	3	4580	120	4	240	1	20	27	4	13	5	21	1.5	124	3	1	5	111	21	
11746	.5	4320	20	3	41	2.1	2	4600	.1	1	.7	10420	1990	3	4440	118	7	240	1	10	28	4	12	5	20	1.5	164	4	1	4	90	1	
11747	.4	3560	23	3	46	1.5	2	4480	.1	1	6	9410	1970	2	3060	121	2	190	1	20	27	5	12	5	21	1.3	135	3	1	3	63	1	
11748	1.3	5780	106	3	271	1.1	2	6560	4.2	6	47	20420	2370	3	2370	199	21	920	45	1330	22	65	15	2	35	32.6	362	2	1	3	59	36	
11749	.3	5430	135	2	100	.9	2	5410	.1	2	9	18520	2510	3	3490	70	32	570	12	40	24	27	8	4	20	3.2	217	3	1	2	58	7	

Au - 16

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-88
PAGE 1 OF 7

TESTS

Meterage	Dip	Azimuth
56.7	-63°	210°
0	-62°	205°

COLLAR SURVEY:

Northing: 8847.88
Easting: 9729.54
Elevation: 979.46
Azimuth: 207.5°
Dip: -62°
IP Grid Coordinates: 9728E / 8850N

CORE BQTW

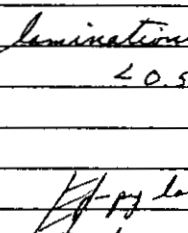
Section: 8849N
Date Started: 2/8/91
Date Finnished: 2/8/91
Date Logged: 4/8/91

Total Depth: 56.7m
Casing Depth 3.05
Casing Left In: YES
Logged By: M-ARCHAMBAULT
Comments:

SAMPLE NUMBERS

11748 To 11773
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	3.05	CASING – OVERBURDEN
3.05	5.47	OVERBURDEN core contains boulder fragments
5.47	6.91	SULPHIDIC MUDSTONE AND CHERT (3.5)
		lithology: black, regular, generally massive (same grain size) with minor pyrite laminations 1-5mm wide, moderately graphitic <0.5%
		Structure: cleavage cross-cuts pyritic lamination 30-35° to c.a. laminations are irregular and of rounded orientation – fold nose? at 6.40 at 6.80 cleavage // to lamination 45° to c.a.
		Alteration –
		Mineralization: none py in pyrgnetic



METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	91-88 PAGE 2 OF 7
6.91	14.5	SULPHIDIC MUDSTONE AND CHERT (3.5) +/- TUFFACEOUS RHYOLITE -SERICITE (3.9a)	

Lithology: 6.91-17.55 Dark grey, coarse sediment, of <1mm - 1cm in diameter size.
generally <5mm black clastic - mudstone & cherty mudstone in a med greenish grey Tuffaceous matrix.
Tuff fragments are medium greenish grey and homogeneous fine grained. They increase gradually in content towards the bottom 16.5-17.55m. They are of the same size as sed ones but can be up to 6 cm long and 4 cm wide.

Structure: Tuffaceous matrix shows a moderate foliation
Upper contact is sharp and irregular
foliation 8.6 - 60° to c.a.
11.7 - 30° to c.a.
14.7 - 15-20°
16.0 - 20°
slickenside 10.0 m - 30° to c.a.
fracturing sub-parallel to c.a. at 15.5
Competent core.

Alteration: minor sericite in tuffaceous component.

Mineralization: pyrite = disc and blebs in the tuffaceous component along foliation ≈1%
16.0-17.5 up to 2%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	91-88 PAGE 3 OF 7
14.5	29.4	TUFFACEOUS RHYOLITE - SERICITE (3.9a)	

Lithology: Pale grey to pale greenish grey
Fragments <4mm up to 3cm in diameter angular to sub-angular
The fragments are mainly pumiceous rhyolitic, except within 60 cm of the upper contact which contains mainly black cherty fragments
Matrix gradually becomes more mafic towards the bottom

Structure: moderate to strong foliation
foliation 19.5 — 40° to c.a
20.6 — 50°
21.8 — 35°
22.3 to 24.7 subparallel to c.a - possibly a fault plane
25 — 35°
25.7 - foliation & fault parallel to c.a
26.85 - 35°
28.3 - 40°

Alteration: Low sericite alteration - affects more matrix than rhyolitic fragments
- Albetization? ≈5% patches of beige very hard mineral mainly lower than 23.5
Minor qtz veinlet = 2x one cm wide perpendicular to core axis

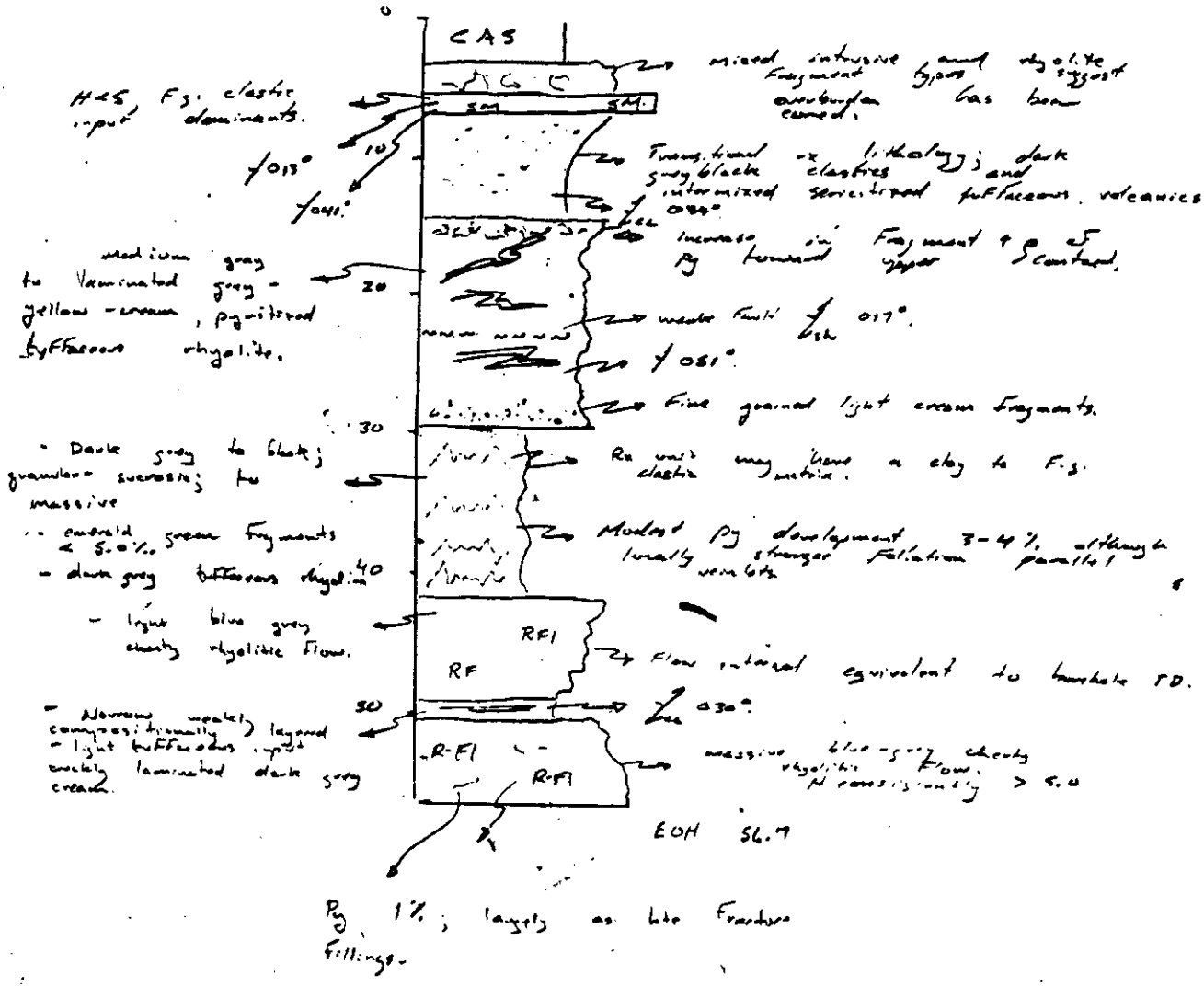
Mineralization Diss pyrite is rare <0.5% untill 20.8 and increases in content towards the bottom in diss, blebs and patches 20.8-27.0≈1%, 27.0-29.4—2-4%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization 91-88 PAGE 4 OF 7
29.4	41.5	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
		Lithology: dark grey, foliated, with tuff and black cherty fragments in a tuffaceous matrix.
		Structure: Highly foliated near upper contact 29.4 - 30.4
		Contact is sharp, irregular and sub perpendicular to c.a.
		Foliation changes within 10 cm
		29.7 sub parallel to c.a.
		30.2 - 20° to c.a.
		30.55 - 40° to c.a.
		foliation becomes weaker at 32.0 m
		33 - 35°
		36 - 35°
		38 - 25° - faulted along foliation and sub parallel to c.a.
		40.7 - 40°
		Alteration: —
		Mineralization: Diss pyrite and blebs along foliation 1-3%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	91-88 PAGE 5 OF 7
41.5	56.7	CHERTY RHYOLITIC FLOW (3.7) 49.0-50.5 TUFFACEOUS RHYOLITE (3.9)	
		Lithology: 41.5-41.75 10 cm contact zone - Mudstone 15 cm	
		black, graphitic, uniform	
		Structure Upper contact parallel to foliation	
		Lower contact ground up.	
		foliation 35° with slickenaides on its surface	
		Alteration: white quartz filled cracking 5%	
		Grey qtz vein 2 cm wide, parallel to foliation	
		Mineralization: pyrite blebs in grey quartz vein	
		41.75 - 44.55	
		Lithology: Massive, pale grey and crackled with remnant of tuffaceous properties?	
		Structure: 42.3 m fractured parallel to c.a. → fault plane	
		faults → minor, along a fracture	
		44.75 — 40°	
		45.25 — 30°	
		45.7 — 30° - pitch 55° } not the same orientation 75° between dip directions	
		next section { 50° pitch 90° }	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization 91-88 PAGE 6 OF 7
		Alteration: Tuff fragments and crackle breccia are beige and hard. ? alteration ? 3%
		Mineralization —

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization 91-88 PAGE 7 OF 7
		Lithology: Pale grey, massive and cracked contains minor pale grey fragments autobrecciation
		Structure: Minor fracturation - 1/30-50 cm
		Alteration: White and beige fracture filling → Quartz and feldspar <1mm - 2mm, various orientation <5%
		Mineralization: trace of diss py
		46.25 - 46.8 & 49.3 - 50.68 & 53.65 - 54.25 TUFFACEOUS RHYOLITE (3.9)
		lithology: medium greenish grey, fine grained and well foliated, mainly tuffaceous grains <0.5 cm
		structure: Strong foliation
		46.7 - 60-65° To ca.
		49.6 - 50°
		54.0 — 40°
		Alteration: Sericitization = mod. and minor chloritization of the matrix
		Mineralization: Diss py <0.5%
		56.7 End of hole



No MAJOR DETACHMENTS IN THIS BOREHOLE.

37 MM.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-88	11748	3.05	7.00	3.95	-	-	36	-	-	1.3	106	65	271	-	47	22	362	20420	6560
91-88	11749	7.00	9.00	2.00	-	-	7	-	-	0.3	135	27	100	-	9	24	217	18520	5410
91-88	11750	9.00	11.00	2.00	-	-	3	-	-	0.4	122	20	112	-	9	25	280	15720	1490
91-88	11751	11.00	13.00	2.00	-	-	15	-	-	0.5	66	13	99	-	8	23	216	11240	1660
91-88	11752	13.00	15.00	2.00	-	-	4	-	-	0.3	85	20	106	-	9	27	267	13390	2160
91-88	11753	15.00	17.00	2.00	-	-	22	-	-	0.5	76	19	120	-	7	26	317	13790	1120
91-88	11754	17.00	19.00	2.00	-	-	16	-	-	0.8	80	16	127	-	6	25	135	9960	5980
91-88	11755	19.00	21.00	2.00	-	-	151	-	-	1.0	277	24	96	-	5	19	91	9250	10700
91-88	11756	21.00	23.00	2.00	-	-	402	-	-	1.3	526	49	413	-	6	29	154	12380	3770
91-88	11757	23.00	25.00	2.00	-	-	79	-	-	0.8	208	40	205	-	7	31	123	18970	5640
91-88	11758	25.00	27.00	2.00	-	-	22	-	-	1.2	96	32	211	-	7	26	144	15810	12330
91-88	11759	27.00	29.00	2.00	-	-	65	-	-	1.2	263	34	137	-	6	22	91	20970	14070
91-88	11760	29.00	31.00	2.00	1.63	0.048	1650	-	-	2.0	2073	90	96	-	9	30	206	27860	8760
91-88	11761	31.00	33.00	2.00	-	-	230	-	-	1.0	410	34	102	-	7	23	154	20370	3280
91-88	11762	33.00	35.00	2.00	-	-	110	-	-	0.9	543	36	117	-	7	23	218	13060	4040
91-88	11763	35.00	37.00	2.00	-	-	13	-	-	0.9	302	27	157	-	7	19	218	13350	2300
91-88	11764	37.00	39.00	2.00	-	-	183	-	-	1.2	256	29	141	-	7	21	191	12160	3860
91-88	11765	39.00	41.00	2.00	-	-	304	-	-	2.1	523	40	169	-	7	29	143	15970	10080
91-88	11766	41.00	43.00	2.00	-	-	285	-	-	2.0	177	17	141	-	7	21	108	13880	4950
91-88	11767	43.00	45.00	2.00	-	-	31	-	-	0.5	38	6	55	-	6	24	127	10490	3450
91-88	11768	45.00	47.00	2.00	-	-	21	-	-	0.6	32	4	67	-	5	26	86	8670	6530
91-88	11769	47.00	49.00	2.00	-	-	10	-	-	0.5	27	4	30	-	5	24	88	8810	5610
91-88	11770	49.00	51.00	2.00	-	-	14	-	-	0.6	26	5	67	-	6	26	116	9270	4030
91-88	11771	51.00	53.00	2.00	-	-	10	-	-	0.4	25	5	34	-	7	25	100	8590	3190
91-88	11772	53.00	55.00	2.00	-	-	7	-	-	0.5	27	7	37	-	7	31	106	9920	7110
91-88	11773	55.00	56.70	1.70	-	-	3	-	-	0.5	24	3	42	-	5	23	83	8560	5460

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ61+62
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11694	1.1	5160	420	3	120	.8	1	8030	.1	3	7	29180	2730	3	2210	64	28	50	2	10	25	36	15	1	25	1.6	108	2	1	2	55	239	
11695	.1	5490	406	4	140	.7	1	3660	.1	3	8	28640	2870	3	1750	42	30	50	6	10	25	38	7	1	25	1.9	142	2	1	3	80	20	
11696	.1	5550	636	3	198	.9	1	1650	.1	3	8	24740	2910	2	1420	21	26	50	6	10	20	69	5	1	22	2.5	171	2	1	2	61	155	
11697	.5	5740	981	3	191	.8	2	1650	.1	3	8	22030	2970	2	1230	21	26	50	7	10	23	52	6	1	23	3.1	173	3	1	4	93	316	
11698	.2	4970	1591	3	193	.4	1	2510	.1	3	10	30410	2740	2	1000	23	32	40	7	10	22	65	6	1	23	3.0	191	2	1	3	73	750	
11699	.1	4190	1989	3	209	.2	1	1000	.1	3	10	31560	2340	1	660	23	33	510	5	10	22	75	3	1	22	2.5	109	1	1	4	90	848	
11700	.9	2650	1435	3	147	.1	1	550	.1	5	7	51610	1530	1	340	22	43	30	2	10	18	88	2	1	14	.9	89	1	1	2	50	661	
11701	.4	3280	716	2	234	.2	1	480	.1	3	8	23470	1750	1	410	11	18	380	10	10	20	65	2	1	17	1.6	118	1	1	4	95	440	
11702	10.8	3680	1014	3	289	.5	1	2440	.1	5	29	26890	1870	1	750	67	41	350	34	230	26	170	12	1	16	8.3	322	1	1	2	38	1610	2340
11703	77.9	5860	745	4	148	1.9	2	1880	3.1	10	105	38570	3040	1	830	93	25	490	55	280	118	350	5	1	18	36.9	883	1	2	1	28	2390	4170
11704	916.7	1800	287	1	193	.5	1	4470	2.6	3	170	11010	920	1	640	88	11	850	17	40	396	2023	17	1	11	10.0	641	2	1	6	152	3750	3300
11705	1003.5	2200	220	1	119	.7	1	10580	9.0	5	188	18940	1200	1	740	130	15	1060	32	100	412	1442	32	1	11	14.4	682	2	1	3	64	3710	2400
11706	68.8	3130	274	2	103	1.0	1	3470	5.6	8	73	30240	1700	1	780	123	15	530	35	310	61	144	10	1	14	20.2	560	1	1	2	40	1130	1620
11707	20.6	3570	708	3	126	.9	1	4050	4.0	10	77	34530	2000	1	660	163	26	420	58	720	28	139	9	1	17	21.1	530	1	1	2	59	1120	1890
11708	51.8	3200	268	3	187	.8	1	7010	11.3	9	85	30230	1840	1	2110	217	48	440	110	590	43	207	14	1	14	21.9	1058	1	1	2	54	246	1830
11709	16.6	3930	101	3	159	.9	1	9690	18.8	10	106	34130	2280	1	3520	246	25	520	67	380	31	116	22	1	16	25.5	1056	2	1	9	39	81	1100
11710	2.4	3620	98	4	176	1.0	1	14110	8.7	8	69	28120	2150	1	6270	286	23	620	55	360	26	76	50	1	15	23.3	630	3	1	2	37	16	1450
11711	1.3	3330	40	2	48	1.8	2	11870	.1	2	9	11290	2190	1	4800	208	6	430	1	150	21	10	35	3	15	2.5	129	4	1	3	57	10	385
11712	1.3	2170	752	2	34	1.0	2	17190	.1	3	7	10090	1600	1	8170	249	6	420	3	30	14	9	56	3	20	3.2	94	4	1	5	106	1	
11713	1.3	830	150	1	15	.2	2	13630	.1	1	10	6770	410	1	6190	235	9	570	4	20	15	8	55	1	10	2.6	43	4	1	8	181	3	370
11714	1.1	1420	27	1	58	.5	2	12060	.2	2	12	8550	1050	1	5380	195	5	540	5	40	16	8	49	1	24	3.3	162	4	1	6	144	1	445
11715	1.3	2460	138	13	47	1.1	2	4060	7.8	9	71	29550	1510	2	690	105	43	990	96	530	46	47	10	1	27	17.7	811	1	1	2	51	41	1230
11716	.8	2520	108	9	42	.9	1	7130	6.8	7	63	23200	1480	1	2140	157	44	1290	89	410	30	50	21	1	23	19.6	686	1	1	3	71	33	1140
11717	.6	3410	137	9	56	1.3	1	7040	7.9	9	76	29190	1950	2	1830	182	51	1060	104	680	29	65	19	1	20	19.9	747	1	1	2	38	1	1500
11718	.8	3100	120	8	57	1.0	1	5220	9.3	8	67	25320	1730	1	1230	156	50	1920	105	490	28	58	9	1	20	22.6	833	1	1	2	38	7	1500
11719	.7	2880	118	7	47	.8	2	8590	13.9	7	78	23980	1670	2	2730	271	53	1300	112	560	26	62	16	1	18	24.1	1194	1	1	1	23	19	1880
11720	.7	1970	89	7	39	.5	2	5650	10.1	6	59	17780	1130	2	1560	125	30	1300	65	380	31	39	12	1	16	18.2	856	1	1	3	72	4	1290
11721	.5	4270	70	6	98	1.8	3	8070	.1	8	15	22750	2240	3	6700	176	11	1030	9	90	37	12	22	1	21	4.0	143	3	1	2	41	6	715
11722	.4	8000	28	6	75	2.2	3	3090	.1	2	7	14220	2170	9	10040	123	8	1280	1	10	35	2	8	1	21	1.9	152	5	1	2	40	2	
11723	.6	7390	30	5	143	2.1	3	4210	.1	2	6	12540	2250	7	10440	144	5	800	1	10	29	2	11	1	18	2.0	113	5	1	3	59	7	
11724	1.5	2890	107	5	94	.2	2	2890	14.9	8	74	31100	1420	2	1420	160	21	1200	47	210	18	94	7	1	22	23.7	876	1	1	1	29	163	915
11725	2.1	3380	143	5	81	.5	2	1440	27.1	8	87	22740	1460	2	1180	211	31	1350	103	240	21	121	4	1	21	32.2	1566	1	1	2	28	194	1730
11726	.7	4460	408	7	103	.7	1	2190	8.3	9	57	38710	1970	2	660	76	86	1400	166	530	26	155	6	1	22	18.1	666	1	1	3	79	211	1950
11727	.6	2330	188	5	83	.3	2	1290	2.2	4	22	21680	1300	2	510	41	49	790	41	80	21	71	4	1	19	4.2	304	1	1	3	62	160	1265
11728	3.4	2530	268	6	121	.4	2	8800	.5	4	23	24050	1430	2	3410	156	51	810	33	70	24	453	44	1	19	6.6	276	2	1	4	97	417	845
11729	4.2	2180	1383	5	246	.5	2	4730	.1	2	9	13300	1190	2	1660	47	9	910	4	30	21	111	15	1	11	2.0	176	1	1	3	62	264	1110
11730	2.1	4030	391	6	191	.4	1	5300	4.2	7	52	29620	2040	2	1260	129	37	1090	62	470	22	108	11	1	21	18.7	573	1	1	3	74	268	1335
11731	1.0	4000	470	6	112	.1	2	14100	5.4	11	76	39150	1980	1	3100	391	50	1960	115	800	22	148	47	1	19	26.2	660	1	1	1	21	120	1800
11732	.6	4200	251	5	98	.5	2	8920	8.0	10	80	33480	1990	2	2940	306	51	3430	119	550	32	122	22	1	26	32.6	815	1	1	1	23	4	1680
11733	.5	4140	120	6	119	.4	3	25990	.9	11	52	35430	2090	2	11710	1372	19	880	38	800	23	80	91	1	28	22.7	315	3	1	2	30	3	940
11734	.3	4190	99	5	107	.4	2	14770	.2	11	50	35480	2090	1	6670	519	20	1440	36	860	15	78	50	1	29	23.5	252	2	1	1	27	10	875
11735	.7	3360	98	5	85	.5	2	13970	4.5	12	66	37140	1740	2	6010	438	32	1390	57	590	19	88	67	1	17	23.1	498	2	1	2	28	17	1120
11736	1.0	5770	100	5	108	.7	2	14020	7.9	10	70	34360	2280	4	7820	419	26	1140	55	400	19	87	69	1	29	35.7	694	3	1	4	81	6	1295
11737	2.0	3620	430	5	92	.6	2	8740	5.0	11	78	45070	1710	3	3520	298	24	1700	33	250	32	105	30	1	23	18.4	560	1	1	1	29	118	1345
11738	3.0	3120	924	5	89	1.1	1	10860	11.1	10	75	33350	1740	2	1760	298	42	1210	80	680	26	140	34	1	19	19.0	951	1	1	2	50	254	1935
11739	.6	2820	142	4	80	1.0	2	4790	3.0	4	32	22280	1780	2	480	72	33	1070	40	220	27	44	11	1	20	6.9	467	1	1	2	58	12	930
11740	.5	2630	62	4	55	.8	2	8990	1.8	3	24	11160	1470	2	840	126	25	1720	25	180	29	18	17	1	19	7.0	290	1	1	4	106	1	
11741	.5	11440	25	5	115	3.2	3	2520	.1	2	8	12540	4290	9	7310	150	76	860	1	20	24	7	6	1	49	2.2	153	6	1	2	39	6	
11742	1.0	5520	26	14	54	1.2	3	8050	.1	2	12	9910	2000	10	5970	203	11	1250	2	20	54	7	19	1	33	2.5	159	4	1	7	172	11	
11743	.5	5960	20	5	89	2.8	2	4700	.1	1	8	11700	3030	4	5820	151	4	1010	1	20	25	6	12	1	31	1.4	127	4	1	3	68	7	
11744	.6	4920	19	6	54	1.8	2	7720	.1	1	6	7660	2590	3	4120	115	7	1110	1	10	25	6	20	1	35	1.6	91	4	1	5	122	3	
11745	.5	3240	19	6	78	1.5	3	4840	.1	1	6	9490	1410	3	4580	120	4	240	1	20	27	4	13	5	21	1.5	124	3	1	5	111	21	
11746	.5	4320	20	3	41	2.1	2	4600	.1	1	7	10420	1990	3	4440	118	7	240	1	10	28	4	12	5	20	1.5	164	4	1	4	90	1	
11747	.4	3560	23	3	46	1.5	2	4480	.1	1	6	9410	1970	2	3060	121	2	190	1	20	27	5	12	5	21	1.3	135	3	1	3	63	1	
11748	1.3	5780	106	3	271	1.1	2	6560	4.2	6	47	20420	2370	3	2370	199	21	920	45	1330	22	65	15	2	35	32.6	362	2	1	3	59	36	
11749	.3	5430	135	2	100	.9	2	5410	.1	2	9	18520	2510	3	3490	70	32	570	12	40	24	27	8	4	20	3.2	217	3	1	2	58	7	

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ63+64
DATE: 91/10/17
* ROCK * (ACT:F31)

91-88

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11750	.4	6660	122	2	112	1.3	2	1490	.1	2	9	15720	2950	4	3630	31	23	360	13	50	25	20	4	5	18	3.9	280	3	1	3	76	3	
11751	.5	6920	66	1	99	1.3	3	1660	.1	2	8	11240	2450	7	5940	43	13	530	11	10	23	13	5	5	18	3.3	216	4	1	4	101	15	
11752	.3	8210	85	1	106	1.4	2	2160	.1	2	9	13390	3220	6	4650	33	18	450	15	10	27	20	6	6	24	4.2	267	4	1	4	85	4	
11753	.5	6400	76	1	120	1.7	2	1120	.1	2	7	13790	3140	4	2410	17	13	40	5	40	26	19	4	7	24	1.8	317	3	1	2	38	22	
11754	.8	6510	80	1	127	1.1	2	5980	.1	1	6	9960	2510	5	4200	65	11	160	1	30	25	16	11	7	31	1.9	135	4	1	6	138	16	
11755	1.0	5240	277	1	96	1.0	1	10700	.1	1	5	9250	2460	3	2510	65	8	70	1	10	19	24	19	5	27	1.6	91	3	1	4	93	151	
11756	1.3	7350	526	2	413	1.8	2	3770	.1	2	6	12380	3750	3	2050	27	9	60	1	10	29	49	9	9	40	1.2	154	3	1	3	56	402	
11757	.8	10180	208	2	205	2.3	2	5640	.1	2	7	18970	4990	4	3100	43	11	70	1	10	31	40	11	9	49	1.4	123	3	1	3	61	79	
11758	1.2	10860	96	1	211	2.1	3	12330	.1	2	7	15810	4750	6	5360	157	9	80	1	10	26	32	23	9	52	2.0	144	5	1	3	58	22	
11759	1.2	3400	263	1	137	.7	1	14070	.1	2	6	20970	1940	1	1940	124	15	30	1	10	22	34	27	4	19	1.8	91	1	1	3	76	65	
11760	2.0	3400	2073	1	96	1.3	2	8760	.1	3	9	27860	2110	2	1840	60	26	290	3	10	30	90	17	5	17	1.7	206	2	1	3	66	1650	
11761	1.0	4160	410	1	102	1.2	1	3280	.1	2	7	20370	2320	1	1320	25	17	30	3	10	23	34	7	4	17	1.8	154	2	1	2	54	230	
11762	.9	4620	543	1	117	1.2	2	4040	.1	2	7	13060	2540	2	1820	31	16	30	6	10	23	36	10	4	18	2.2	218	2	1	3	75	110	
11763	.9	5150	302	1	157	1.3	2	2300	.1	2	7	13350	2750	2	1330	16	12	30	5	10	19	27	7	4	19	1.7	218	2	1	3	65	13	
11764	1.2	4890	256	1	141	1.1	2	3860	.1	2	7	12160	2650	2	1750	34	16	30	7	10	21	29	9	5	20	1.9	191	2	1	4	86	183	
11765	2.1	4520	523	1	169	1.7	2	10080	.1	2	7	15970	2560	2	2680	149	14	30	8	10	29	40	17	6	20	2.0	143	3	1	2	54	304	
11766	2.0	3230	177	1	141	1.3	1	4950	.1	2	7	13880	1690	2	2790	94	16	170	4	10	21	17	11	5	17	2.2	108	3	1	4	102	285	
11767	.5	2990	38	1	55	1.0	2	3450	.1	1	6	10490	1370	3	3470	105	8	390	1	10	24	6	9	5	24	1.6	127	3	1	6	136	31	
11768	.6	2770	32	1	67	.7	2	6530	.1	1	5	8670	1090	2	3580	104	9	460	1	10	26	4	17	5	23	1.8	86	3	1	6	152	21	
11769	.5	2690	27	1	30	.5	2	5610	.1	1	5	8810	720	2	3410	171	6	520	2	20	24	4	15	5	25	1.8	88	4	1	7	168	10	
11770	.6	4170	26	1	67	1.9	2	4030	.1	1	6	9270	2110	2	2340	112	9	290	1	20	26	5	7	6	32	1.5	116	3	1	5	122	14	
11771	.4	2610	25	1	34	1.0	2	3190	.1	1	7	8590	1060	2	1740	96	4	410	1	20	25	5	6	5	24	1.3	100	3	1	6	144	10	
11772	.5	2800	27	1	37	1.0	2	7110	.1	1	7	9920	1390	1	3060	187	8	310	1	10	31	7	10	5	23	1.5	106	3	1	5	129	7	
11773	.5	1540	24	1	42	.5	2	5460	.2	1	5	8560	720	1	2070	106	7	460	1	10	23	3	11	4	18	1.3	83	3	1	5	131	3	
11774	.6	12800	18	9	111	.5	2	26910	.1	9	28	22520	1410	18	14450	476	7	440	50	600	20	1	122	1	42	42.9	42	4	1	10	232	1	
11775	.6	13350	22	8	143	.5	3	33930	.1	8	23	20080	1840	18	12790	452	5	480	63	570	13	1	146	1	45	41.6	45	5	1	9	191	2	
11776	.4	14700	23	6	183	.5	2	14320	.1	10	21	19830	1960	19	13040	219	5	780	75	440	14	1	61	1	48	44.9	44	5	1	11	257	1	
11777	.3	13720	17	4	108	.4	1	21930	.1	9	18	20350	1600	18	12480	392	3	500	51	620	13	1	83	1	45	42.7	41	5	1	7	164	1	
11778	.4	11730	19	4	101	.4	2	25470	.1	7	22	19130	1430	15	10310	376	5	470	36	830	15	1	112	1	40	38.0	37	5	1	8	173	1	
11779	.4	14700	16	6	153	.3	3	63430	.1	8	23	23900	2080	20	12860	820	7	430	40	990	13	1	226	1	49	49.1	60	4	1	9	202	2	
11780	.4	12300	18	4	113	.3	2	25420	.1	8	23	20950	1430	17	10730	370	6	530	46	830	13	1	117	1	39	40.6	51	4	1	9	201	2	
11781	.2	10450	15	3	77	.3	2	25270	.1	7	22	18590	1090	14	9650	334	4	360	45	740	16	1	96	1	33	32.6	36	4	1	7	155	5	
11782	.6	10070	18	3	114	.1	2	36550	.1	7	22	19710	1250	16	10680	493	4	430	47	770	14	2	157	1	28	32.6	43	4	1	7	153	2	
11783	.4	8800	48	7	201	.5	2	33190	.1	13	41	30040	3120	7	13060	411	5	500	90	570	16	8	154	1	22	33.4	92	4	1	4	88	1	
11784	.4	24410	17	11	320	.9	2	23640	.1	15	54	33330	7010	20	14580	321	5	910	97	650	21	1	69	1	55	74.4	146	5	1	5	100	1	1100
11785	.4	15120	20	5	129	.5	3	15790	.1	10	20	20780	2580	18	12440	263	2	770	72	460	17	2	75	1	50	45.1	50	6	1	8	168	2	180
11786	.2	16500	20	6	238	.8	2	15070	.1	11	27	23740	3630	16	11050	288	2	680	64	510	18	2	78	1	52	42.3	53	5	1	7	171	5	
11787	.2	15420	14	5	151	.6	3	18560	.1	12	17	23870	2680	17	11790	428	2	530	63	480	18	1	79	1	52	39.8	46	5	1	6	135	1	
11788	.2	9540	12	2	102	.2	2	18480	.1	7	12	15880	1520	10	7590	369	2	660	32	390	14	1	81	1	35	26.2	34	4	1	7	169	1	
11789	.1	14680	12	5	273	.9	2	20030	.1	11	24	23770	3070	15	9990	345	2	410	54	660	20	2	117	1	51	37.1	54	4	1	6	134	1	
11790	.2	12370	17	5	107	.6	2	11550	.1	10	19	21200	2630	13	9370	204	2	710	70	410	15	3	46	1	36	31.0	49	4	1	7	162	1	
11791	.1	15250	13	6	163	.6	1	13290	.1	12	27	26130	3360	19	11370	220	3	630	88	440	18	1	63	1	37	38.3	53	4	1	6	139	1	
11792	.5	14070	23	5	252	.5	2	26360	.1	10	20	21360	2230	19	12820	498	2	870	83	430	17	1	119	1	45	42.6	43	5	1	8	167	2	
11793	.2	15780	18	4	97	.6	2	12960	.1	11	21	20040	2090	24	15580	214	3	570	110	410	15	1	59	1	43	48.7	48	4	1	11	247	1	
11794	.5	13970	16	3	88	.4	3	44730	.1	9	23	21440	1410	22	15680	567	2	450	61	840	17	2	165	1	34	43.2	45	5	1	6	134	1	
11795	.9	12990	16	3	94	.4	4	64630	.1	7	25	22890	1210	20	21620	1187	4	540	31	960	18	2	245	1	28	37.3	55	5	1	4	81	1	
11796	.3	10930	17	3	92	.2	3	16730	.1	8	19	15580	1530	16	10760	205	3	230	54	380	13	1	92	1	34	30.2	36	5	1	9	208	1	
11797	.4	11510	20	2	72	.4	3	10660	.1	8	20	16460	1290	17	11470	133	3	520	56	370	14	1	49	1	30	32.8	44	5	1	8	172	2	
11798	.4	13580	18	3	154	.5	3	13860	.1	9	20	19250	1630	20	13290	241	2	610	61	410	15	1	57	1	39	37.1	46	5	1	8	176	1	
11799	.5	12420	24	3	83	.2	3	25560	.1	9	22	18170	1550	18	12380	284	3	570	84	390	16	1	100	1	33	31.7	39	5	1	8	169	1	
11800	.5	13190	22	4	207	.4	3	13380	.1	8	23	19540	1810	17	12180	211	3	440	63	480	15	2	52	1	44	38.2	42	5	1	8	183	2	
11801	.4	11930	20	4	143	.4	2	13230	.1	8	19	16740	1380	20	11550	177	3	570	58	360	13	2	55	1	37	35.5	44	5	1	7	167	1	
11802	.4	13020	20	4	83	.4	3	18110	.1	9	22	18330	1520	21	13320	280	6	830	81	370	16	1	74	1	39	38.0	43	5	1	11	269	1	
11803	.6	12270	19	2	119	.4	3	26380	.1	8	24	19620	1180	19	14350	444	4	530	74	490	12	1	129	1	32	36.5	48	5	1	7	159	2	
11804	.4	15740	26	4	97	.5	2	17180	.1	11	32	19440	1460	24	18450	203	4	660	127	350	18	1	81	1	40	43.8	54	4	1	10	235	1	
11805	.5	18960	17	4	171	.5	3	22490	.1	12	43	22540	2470	27	21200	276	1	720	140	410	15	1	106	1	56	52.8	59	4	1	9	214	2	

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LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
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91-88

Assay Certificate

1S-0397-RA1

Company: COPELAND REBAGLIATI & ASSOC.
ject: 9101
n: MARK REBAGLIATI

Date: AUG-15-91
Copy 1. COPELAND REBAGLIATI & ASSOC., VAN.,B.C.
2. COPELAND REBAGLIATI, C/O MIN-EN LABS.

hereby certify the following Assay of 7 ROCK samples
bmitted AUG-08-91 by DARREN WILSON.

Sample mber	AU g/tonne	AU oz/ton
11760	1.63	.048

Certified by

MIN-EN LABORATORIES

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-89
PAGE 1 OF 16

TESTS

Meterage	Dip	Azimuth
0.	-45°	117°
60.96	-46°	115°
121.92	-45°	117°
203.91	-44°	118°

COLLAR SURVEY:

Northing: 11834.38
Easting: 9596.03
Elevation: 1272.84
Azimuth: 117.5
Dip: -46
IP Grid Coordinates: 11880 N, 9593E

CORE BQ TW

Section: 11880 N
Date Started: Aug 3/91
Date Finnished: Aug 5/91
Date Logged: Aug 5/91

Total Depth: 203.91
Casing Depth 2.13
Casing Left In: YES
Logged By: M. ARCHAMBAULT
Comments:

SAMPLE NUMBERS

11774 To 11874
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	2.13	OVERBURDEN
2.13	20.50	POLYLITHIC QUARTZ PEBBLE CONGLOMERATE (5.3)
20.50	24.50	ARGILLITE (5.1)
24.50	43.00	POLYLITHIC QUARTZ PEBBLE CONGLOMERATE (5.3) +/- QUARTZ WACKE (5.2)
43.00	61.55	POLYLITHIC QUARTZ PEBBLE CONGLOMERATE (5.3)

Lithology: Sequence dominated by polymictic conglomerates grading into arenites and in some of the cycles into interbedded siltstones and mudstones.

Polymictic conglomerate: Matrix supported pebble to cobble conglomerate with pebbles ranging from 2mm to 64mm and cobbles ranging from 6.4 cm to 10cm.

The cobble fraction is dominently composed of black and dark grey mudstones with less siltstone fragments. It forms 5% of the conglomerate.

The pebble fraction is composed of black and dark grey shales, siltstones, greenish grey aphanitic tuffs, cherts, crackled chert and rhyolite, and white quartz in decreasing order of abundance. It forms 50% of the conglomerate.

The matrix is composed mainly of quartz and cherty fragments with lesser tuff and shale in a dark, slightly calcareous cement.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 2 OF 16

Arenites: Sandy fraction is composed mainly of pale grey to white fragments as chert, rhyolite and quartz in decreasing order of abundance, with lesser mudstone and greenish tuff fragments and pyrite (1%). The coarse fraction is matrix supported, the matrix being granular. The cement is dark coloured.

It is common to see isolated mudstone pebbles and a few pebbles of massive pyrite fragments up to 1.5 cm in diameter particularly at 35.7 m and 37.8 m. The pyrite fragments are of both types: angular and rounded.

Sand fraction = clasts < 2 mm
Pebble conglomerate = clasts > 2 mm and < 6.4 cm
Cobble conglomerate = clasts > 6.4 cm

The sequence is bedded as follows.

2.3 - 5.6	Pebble conglomerate
5.6 - 7.5	Coarse grained sandstone grading to fine
7.5 - 8.9	Pebble coarse sandstone grading to fine
8.9 - 9.55	Medium grained sandstone
9.55 - 12.85	Pebble conglomerate grading to medium grained
12.85 - 12.95	Mudstone
12.95 - 20.05	Fine to medium grained pebble conglomerate with 5% pebbles up to 5 cm - average grain size 0.5 - 2 cm
20.05 - 24.0	Mudstone - siltstone
24.0 - 27.05	Medium to fine grained silty sandstone
27.05 - 27.12	Mudstone

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 3 OF 16
		27.12 - 27.35	Fine grained sandstone
		27.35 - 27.50	Fault gouge
		27.50 - 29.70	Medium grained sandstone
		29.70 - 32.0	Medium grained sandstone with upper 15 cm mudstone (silty)
		32.0 - 33.33	Medium grained sandstone with upper 10 cm silty mudstone
		33.33 - 34.3	Silty fine grained sandstone grading to medium grained, terminated by 2 cm of pyritic laminae, mudstone
		34.3 - 35.2	Medium to fine grained sandstone
		35.2 - 35.4	Siltstone
		35.4 - 37.2	Medium grading to coarse grained sandstone
		37.2 - 37.35	Fault - graphitic gouge
		37.35 - 39.31	Coarse to medium grained sandstone with 20 cm of 20% pebbles at the bottom and 10 cm silty ss at the top
		39.31 - 42.5	Medium to fine grained sandstone
		42.5 - 45.41	Cobble and pebble conglomerate
		45.41 - 45.56	Fault - mudstone + calcite veins
		45.56 - 52.25	Fine grained conglomerate with 1-2 cm in diameter shale pebbles (5%)
		52.25 - 53.0	Fine grained sandstone
		53.0 - 55.55	Fine to medium grained pebble conglomerate (0.5-1 cm in diameter)
		55.55 - 57.0	Coarse grained sandstone grading to fine grained
		57.0 - 58.2	Fine grained conglomerate
		58.2 - 61.55	Fine grained conglomerate with 2% pebbles 0.5-1 cm grading into medium grained sandstone with at 59.9 a 2 cm thick mudstone bed
		Alteration: Calcite veinlets 1mm to 2 cm wide at various angle to c.a. ≈ 2%	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 4 OF 16
		Structure: Bedding: 13.0 m 70° to c.a	
		22.5 m 82° to c.a	
		32.0 m 75° to c.a	
		53.0 m 70° to c.a	
		Faults: 23.4 m 60° to c.a	
		27.35 – 27.5 m Graphitic gouge 80° to c.a	
		34.3 m Several slickensides 40-50° to c.a.	
		35.85 m 5 cm gouge	
		37.2 m Several slickensides 0-45° to c.a. graphitic over 15 cm	
		40.7-41.0 m " 0-25° to c.a. no graphite	
		52.25 m " 50° to c.a.	
		52.40 m " 50° to c.a.	
		Mineralization: Pyrite as fragments or as replacement of fragments ?	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 5 OF 16
61.55	72.00	QUARTZ WACKE (5.2)	
72.00	75.50	POLYLITHIC QUARTZ PEBBLE CONGLOMERATE (5.3)	
75.50	86.85	QUARTZ WACKE (5.2)	

Lithology: Sequence dominated by wackes grading from coarse to fine with light silt component. Fragment supported in a dark colour cement. Fragments are sub-rounded. The coarse fraction is composed of, in decreasing order of abundance, grey-cherty fragments, tuffaceous fragments, black mudstone and lesser white phyllitic or quartz fragments in a very fine granular matrix. Minor pyritic fragments. In the fine grained sandstone the fragments are more evenly distributed between white and dark. Some laminations and massive beds ≤ 10 cm in thickness contain up to 50% silt

Sand fraction < 2 mm
Pebble conglomerate = clasts > 2 mm & < 64 mm
Cobble conglomerate = clasts > 64 cm
→ Fine grained conglomerate = clasts > 2 mm & < 5 mm.

The sequence is bedded as follows:

61.55 - 71.2 Medium gr to fine grained to silty sericite graded. Minor pebbles < 0.5 cm
71.2 - 73.9 Fine grained conglomerate grading to coarse grained sandstone
73.9 - 74.0 Calcite vein with brecciated fragments of conglomerate
74.0 - 74.45 Fine grained sandstone
74.45 - 75.2 Fine grained conglomerate with some pyrite clasts
75.2 - 79.95 Fine grained sandstone
79.95 - 80.1 Siltstone

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-29 PAGE 6 OF 16
		80.1 - 86.85 Medium to fine grained sandstone, with 10 cm containing pebble & cobble of mudstone and an pyritic pebble at the base	
		Structure: Both upper and lower contacts are conformable at 85° and 75° to c.a	
		Bedding: 64.6 m 75° to c.a	
		77.0 m 70° to c.a	
		Fault 76.7 m 25° to c.a	
		Mineralization: Minor fraction of the sand grains are pyrite clasts, some grains show a rim of pyrite <1%	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 7 OF 16
86.85	120.8	ARGILLITE (4.4)	
		Lithology: 86.85 - 96.5 Mudstone dominated	
		Black, slightly graphitic with 10% of silty laminations (med grey)	
		Silty beds rarely up to 12 cm thick, generally <1mm up to 1 cm	
		Mudstone beds 1 cm to 20 cm thick	
		96.5 - 103.5 ARGILLITE (4.4) +/- QUARTZ WACKE OR LITHIC WACKE - GRADED (4.5G)	
		96.5 - 120.8 Evenly distributed mudstone beds 50% and siltstone beds 50%	
		Mudstone from 2 mm to 15 cm thick	
		Siltstone from 2 mm to generally 20 cm but up to 1.4 m	
		114.6 - 120.8 Mudstone dominant with 5% silty laminations, highly graphitic	
		Structure: Contacts concordant 85° to c.a. for lower contact	
		Bedding 91.15 m 80° to c.a. Fault: 105.74 m gouge 5 cm	
		100 75° to c.a. 114.6 gouge 20 cm	
		109 70° to c.a.	
		112.2 70° to c.a.	
		117.2 65 to c.a.	
		86.85 - 96.7 Mudstone / siltstone (10%) = mudstone dominated	
		96.13 1 Sandstone pebble 1 cm in diameter is resting on a bed and displacing it	
		96.7 - 97.9 Fine grained sandstone	
		97.9 - 114.6 Mudstone 50% / Siltstone 50%	
		114.6 - 120.8 Mudstone 95% / Siltstone 5%	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 8 OF 16
120.80	130.69	ARGILLITE (4.4) +/- QUARTZ WACKE OR LITHIC WACKE (4.5)	
130.69	138.60	POLYLITHIC QUARTZ PEBBLE CONGLOMERATE (4.6)	

Lithology: Sequence composed of fine grained conglomerate grading to coarse grained to fine grained arenites with the exception of 2 cobble conglomerate beds. They are fragment-supported.

Coarse fraction is composed of several rock types; in decreasing order of abundance: black, dark grey and greenish grey mudstone, chert, tuffaceous sediments with less quartz and rhyolite, and pyritic clasts.

Matrix is granular with same rock types ≈ 20% of the matrix, 80% of calcareous cement. The lithic arenites are medium grey & composed mainly of fine grey fragments with 10% black mudstone and chert clasts, and rare white chert or quartz ≈ 2%. Cement is not calcareous. Both contain a few larger, isolated, sub-rounded pebble of mudstone.

120.8 - 125.25	Fine grained conglomerate
125.25 - 126.45	Coarse grained sandstone fining upwards
126.45 - 128.45	Medium grained sandstone
128.45 - 128.8	Fine grained conglomerate
128.8 - 130.3	Fine grained sandstone
130.3 - 130.64	Fine grained conglomerate
130.64 - 130.69	Mudstone / siltstone
130.69 - 132.25	Fine grained conglomerate with 10% cobble
132.25 - 133.7	Coarse grained conglomerate grading to medium grained sandstone
133.7 - 133.8	Mudstone / siltstone
133.8 - 135.9	Fine grained conglomerate → coarse grained sandstone with 10% cobble
135.9 - 137.37	Pebble - Cobble conglomerate
137.37 - 138.6	Coarse grained to medium grained sandstone with 5% large pebble

Large pebbles and cobbles vary from 1 cm to 13 cm, they are matrix supported in a coarse lithic arenite to fine grained polymictic conglomerate. They are mainly composed of mudstone & siltstone, some fragments show original bedding and one cobble shows a pyritic lamination or bed 8 mm wide. 10% of these pebbles are rounded pyritic clasts, very fine grained as in the pyritic laminations of the mudstone, other show a zonation or a pyritic rim

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 9 OF 16
		Structure: Cycles begin at 125.35	60° to c.a.
		126.65	70°
		128.25 ends with 5 cm siltstone/mudstone	65°
		130.65 ends with 10 cm mudstone	65°
		133.70 end with 5 cm mudstone/siltstone	70°
		137.4 ends with 10 cm mudstone/siltstone	60°
		138.6 ends with 1 cm mudstone	
		Minor fracturing parallel 0-20° to c.a. with rusty stain on surface	
		Alteration: rare calcite veinlet <1cm parallel to bedding - <0.5%	
		Mineralization: ≈ 2% of pyritic fragments in both conglomerate and sandstone	
		tr of secondary pyrite as a reaction rim on some of the pebbles and	
		rarely in small fractures.	
138.6	146.7	FAULT ZONE : ARGILLITE (4.4)	
146.7	152.0	ARGILLITE (4.4) +/- QUARTZ WACKE OR LITHIC WACKE (4.5)	
152.0	154.0	QUARTZ WACKE - LITHIC WACKE (4.5)	
		Lithology: Black, strongly graphitic mudstone with a trace of fine silty laminations	
		Structure: Bedding 50° to c.a.	
		Numerous slicken sides in all orientations but mainly 45°-90° to c.a.	
		very broken with gouge zones	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 10 OF 14
		Alteration: Quartz calcite crackle veinlets ≈ 1% <1mm thick one veinlet up to 5cm wide	
		Mineralization: one py lamination ≈ 0.5mm	
154.00	162.75	SULPHIDIC TURBIDITE – PYRITIC SILTITE (4.3) +/- BLACK CHERT, (4.2)	
		Lithology: Black, slightly graphitic mudstone with approximately 25% of silty laminations and thin beds – 0.5mm to 20cm but generally 1mm to 1cm and with some pyritic laminations, very fine grained from 1mm to 1cm wide ≈ 5%	
		161.23 – 161.55 Narrow 0.5cm – 3cm wide coarse gr. sandy beds (30%) with fragments of pale grey chert or rhyolite and some of pyritic fragments sub ang to sub rounded, clast supported	
		2 unidentified fossils well preserved and replaced by calcite at 153.3 & 162.2	
		Structure: Well bedded 147.1m 75° to c.a → 151m = flame structure indicates top is up	
		152.0 70°	
		155.0 75°	
		158.0 80°	
		161.0 80°	
		From 161.45, beds become disrupted and slightly brecciated and contain one fragment of fine grained ~~pyritic massive~~ pyrite as the pyrite of the py beds over 4cm in diameter	
		Alteration Minor quartz-calcite veinlets <1mm to 3mm generally parallel to bedding but also at various orientation → parallel to c.a at 162.4	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 11 OF 16
		Mineralization Syngenetic pyrite laminations	
162.75	174.0	CONTACT FACIES - ARGILLITE - RHYOLITE BRECCIA - CHLORITE (4.1 C1)	
		162.75 - 165.75	
		CONTACT ZONE - TUFFACEOUS SEDIMENTS	
		Lithology: Gradational from a black cherty mudstone with 40% deformed and wavy pyrite lamination to a tuffaceous sediment with matrix supported fragments of laminated mudstone, and at 163.2 to a black greenish tuffaceous sediment with pale brownish grey siliceous fragments at 163.8 and 165.0 and <5% jade green, massive, soft fragments which look like serpentinite.	
		Structure: Foliation is irregular - approx 70° to c.a at 163 m	
		60-80° at 164.4 m:	
		Upper contact is faulted 30° to c.a. - slickensides - Pitch 60° to c.a.	
		Lower contact is depositional and irregular due to breccia fragments	
		Alteration: 20 cm long i.e. of intersection of quartz-calcite vein at upper contact 30° to c.a. of at least 2 phases - black stylolite. It includes fragments of the mudstone and pyritic. Tuba Quartz calcite veins near 164.3 are 0-25° to c.a and up to 5 cm wide. They include wallrock fragments and some chloritic patches - med dark green	
		Mineralization: Matrix contains up to 40% very fine pyrite in some sections. Around 163.2 the massive pyrite may include some very fine grained sphalerite as it has a dark reddish tint. Trace of a second generation of pyrite slightly coarser than the first one and paler in colour.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 12 OF 16

165.75 - 169.7 + 170.9 - 171.3
RHYOLITE BRECCIA - CHERTY

Lithology: Matrix supported rhyolite fragments: med green, very hard, angular fragments which vary in size from 1mm in diameter to 10 cm in a black siliceous gritty matrix
Bed is homogenous, no foliation } average 1-3 cm

Structure: No foliation
Upper contact: concordant but irregular
Lower contact = concordant slight foliation 60° to c.a. 169.7m
80° to c.a 170.9
40° to c.a. 171.3

Alteration: Moderate sericite alteration of the fragments
Quartz veinlets - 2 generations of white quartz, minor calcite, 1mm - 1cm wide at 0-25° to ca
Approx 1%
Mineralization: Trace disp py and po in matrix
169.7-170.9 + 171.3-174.0
TUFFACEOUS RHYOLITE BRECCIA

Lithology: Composed of mainly greenish and med grey fragments with minor dark grey ones, 3 mm - 3 cm in diameter in a med grey rhyolitic tuffaceous matrix of almost the same composition
10-20% is tuffaceous and shows foliation
Structure: Weak foliation in the matrix 60° at 71.5 Lower contact fractured possibly faulted at 10° to ca
Alteration: Weak sericite alteration of the fragments and a fraction of the matrix
Rust staining on fractures at lower contact

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-89 PAGE 13 OF 16
		Mineralization: Trace - <0.5% Pyrrhotite grains up to 2mm in diameter
174.0	181.00	CHERTY RHYOLITIC FLOW (3.7)
		Lithology: Pale and medium grey fragments in a matrix of the same composition
		Structure: Fractures at upper contact 15° to c.a over 40cm Several fractures throughout 15° & 65-75° to c.a 4-5 fractures/m Small breccia zone at 183.2 ≈10m wide - angular rhyolite fragments in calcareous matrix
		Alteration: Strong limonite stain on fractures Minor sericite alteration of some fragments
		Mineralization: Pyrite blebs, yellow & crystalline associated with calcite in veinlets of & cracking in various directions Overall ≤1%
		175.7-176.65: RHYOLITIC TUFF
		Lithology: Dark green with strong foliation, soft and hard sections. Matrix is very fine with black content in foliated sections being either black chlorite or carbon
		Structure: Foliation 60-75° to c.a

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 14 OF 16
		Upper contact 20° to ca	
		Alteration: Moderate sericitic alt.	
		Minor calcite veinlets <1mm	
		Mineralization: Trace of pyrite diss in calcite veinlets	
		180.65 - 181.25 RHYOLITIC TUFF	
		Lithology: Med green fragments of rhyolite in a foliated - crackled black matrix with either black chlorite or carbon	
		Alteration: Strong sericite - pervasive	
		Limonite on fractures	
		Structure: Strongly foliated 60 - 70° to ca.	
		Fractured 0 - 35° to ca	
		Mineralization: Diss pyrite in crackle fractures with minor calcite - py = trace	
181.00	203.91	TUFFACEOUS RHYOLITE (3.9) +/- RHYOLITE FLOW (AUTOBRECCIATED) (3.8)	
		185.25 - 189.0 TUFFACEOUS RHYOLITE	
		Lithology: Med green to greenish grey rhyolite with a brown tuff component. Rhyolite is crackle	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 15 OF 16

associated with Tuff forming the foliation. Tuff component is dark green possibly chloritic and forms approximately 20% of the rock

Structure: Foliation 185.8° – 30° to c.a Fractures: 0-20° to c.a
189 40° to c.a

Alteration: Rock is sericitized but still hard. Weak to moderate pervasive sericite.
Limonite on fractures

Mineralization: Trace disseminated pyrite and on fractures.

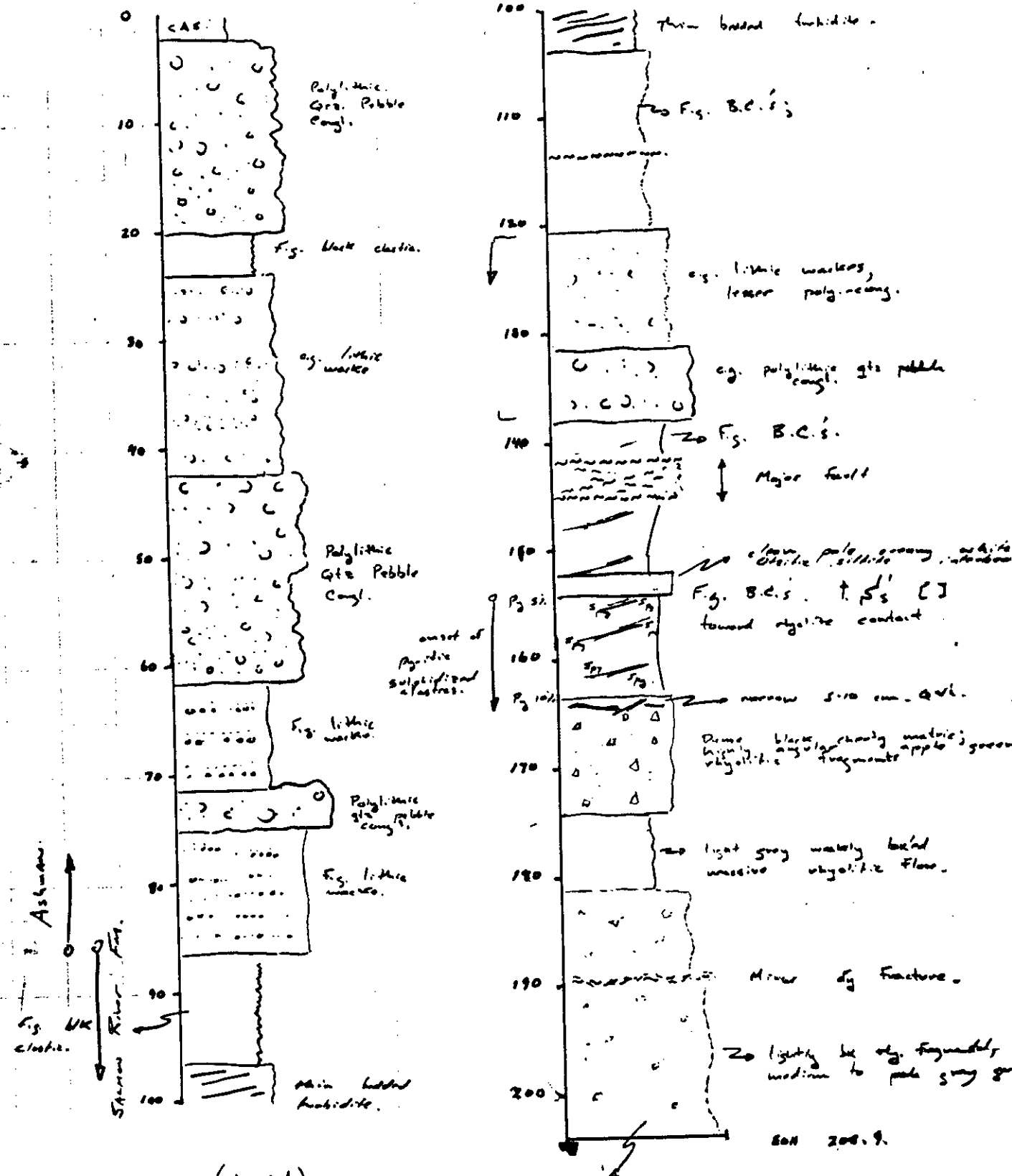
189.0 - 203.9
TUFFACEOUS CHERTY RHYOLITE BRECCIA

Lithology: 70 - 80 % of medium green rhyolite fragments from 1mm to 4cm in diameter, in a dark greenish grey to black cherty - tuffaceous matrix
196.7 - 197.5 Smaller fragments with rhyolite matrix → autobreccia?

Structure: Weak foliation: 192 m – 60° to c.a
194.5m – 55° to c.a
199.5m – 50° to c.a
202.0m – 60° to c.a
Not as fractured as previous intervals

Alteration: Minor calcite quartz veinlets - various orientations ≤1mm wide ≈1% of rock.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-89 PAGE 16 OF 16
		quartz veining <1cm wide at 203.1 at 10-15° to c.a. includes minor wallrock fragments	
		Mineralization: Trace pyrite seen in the calcite filled crackle veinlets. Pyrite generally absent from the rock.	
		203.91 End of hole.	


0
10
20
30
40
50
60
70
80
90
100
CAS
Polylithic Qtz. Pebble Congl.
F.g. lithic clastic.
e.g. lithic wacke
Polylithic Qtz Pebble Congl.
F.g. lithic wacke.
Polylithic qtz congl.
F.g. lithic wacke.
thin bedded turbidite.
Ashman
Stanton River Flt.
F.g. UK clastic.
110
120
130
140
150
160
170
180
190
200
thin bedded turbidite.
F.g. B.C.'s
e.g. lithic wackes, lesser polg. congl.
e.g. polylithic qtz pebble congl.
F.g. B.C.'s.
Major fault
F.g. B.C.'s. ↑ ps's [ ]
toward olgolite contact
Pg sil.
Pg volc.
onset of Pg volc sulphidized clasts.
narrow 5-10 cm. qtz.
light grey weakly bed'd massive olgolitic flow.
Minor olg fracture.
EOH 208.9.
(slg - sed)
thin contact ^ appears conformable.
'3th' grey green
Major Fault plane orientation: 062° to 44: 0
dip to.
057° mod. to st.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-89	11774	2.13	4.00	1.87	-	-	1	-	-	0.6	18	1	111	-	28	20	42	22520	26910
91-89	11775	4.00	6.00	2.00	-	-	2	-	-	0.6	22	1	143	-	23	13	45	20080	33930
91-89	11776	6.00	8.00	2.00	-	-	1	-	-	0.4	23	1	183	-	21	14	44	19830	14320
91-89	11777	8.00	10.00	2.00	-	-	1	-	-	0.3	17	1	108	-	18	13	41	20350	21930
91-89	11778	10.00	12.00	2.00	-	-	1	-	-	0.4	19	1	101	-	22	15	37	19130	25470
91-89	11779	12.00	14.00	2.00	-	-	2	-	-	0.4	16	1	153	-	23	13	60	23900	63430
91-89	11780	14.00	16.00	2.00	-	-	2	-	-	0.4	18	1	113	-	23	13	51	20950	25420
91-89	11781	16.00	18.00	2.00	-	-	5	-	-	0.2	15	1	77	-	22	16	36	18590	25270
91-89	11782	18.00	20.00	2.00	-	-	2	-	-	0.6	18	2	114	-	22	14	43	19710	36550
91-89	11783	20.00	22.00	2.00	-	-	1	-	-	0.4	48	8	201	-	41	16	92	30040	33190
91-89	11784	22.00	24.00	2.00	-	-	1	-	-	0.4	17	1	320	1100	54	21	146	33330	23640
91-89	11785	24.00	26.00	2.00	-	-	2	-	-	0.4	20	2	129	180	20	17	50	20780	15790
91-89	11786	26.00	28.00	2.00	-	-	5	-	-	0.2	20	2	238	-	27	18	53	23740	15070
91-89	11787	28.00	30.00	2.00	-	-	1	-	-	0.2	14	1	151	-	17	18	46	23870	18560
91-89	11788	30.00	32.00	2.00	-	-	1	-	-	0.2	12	1	102	-	12	14	34	15880	18480
91-89	11789	32.00	34.00	2.00	-	-	1	-	-	0.1	12	2	273	-	24	20	54	23770	20030
91-89	11790	34.00	36.00	2.00	-	-	1	-	-	0.2	17	3	107	-	19	15	49	21200	11550
91-89	11791	36.00	38.00	2.00	-	-	1	-	-	0.1	13	1	163	-	27	18	53	26130	13290
91-89	11792	38.00	40.00	2.00	-	-	2	-	-	0.5	23	1	252	-	20	17	43	21360	26360
91-89	11793	40.00	42.00	2.00	-	-	1	-	-	0.2	18	1	97	-	21	15	48	20040	12960
91-89	11794	42.00	44.00	2.00	-	-	1	-	-	0.5	16	2	88	-	23	17	45	21440	44730
91-89	11795	44.00	46.00	2.00	-	-	1	-	-	0.9	16	2	94	-	25	18	55	22890	64630
91-89	11796	46.00	48.00	2.00	-	-	1	-	-	0.3	17	1	92	-	19	13	36	15580	16730
91-89	11797	48.00	50.00	2.00	-	-	2	-	-	0.4	20	1	72	-	20	14	44	16460	10660
91-89	11798	50.00	52.00	2.00	-	-	1	-	-	0.4	18	1	154	-	20	15	46	19250	13860
91-89	11799	52.00	54.00	2.00	-	-	1	-	-	0.5	24	1	83	-	22	16	39	18170	25560
91-89	11800	54.00	56.00	2.00	-	-	2	-	-	0.5	22	2	207	-	23	15	42	19540	13380
91-89	11801	56.00	58.00	2.00	-	-	1	-	-	0.4	20	2	143	-	19	13	44	16740	13230
91-89	11802	58.00	60.00	2.00	-	-	1	-	-	0.4	20	1	83	-	22	16	43	18330	18110
91-89	11803	60.00	62.00	2.00	-	-	2	-	-	0.6	19	1	119	-	24	12	48	19620	26380
91-89	11804	62.00	64.00	2.00	-	-	1	-	-	0.4	26	1	97	-	32	18	54	19440	17180
91-89	11805	64.00	66.00	2.00	-	-	2	-	-	0.5	17	1	171	-	43	15	59	22540	22490
91-89	11806	66.00	68.00	2.00	-	-	1	-	-	0.2	16	1	125	-	24	9	44	17760	15450
91-89	11807	68.00	70.00	2.00	-	-	2	-	-	0.3	15	1	121	-	29	11	53	21790	19800
91-89	11808	70.00	72.00	2.00	-	-	1	-	-	0.1	13	1	136	-	28	15	52	21210	15350
91-89	11809	72.00	74.00	2.00	-	-	2	-	-	0.2	10	1	65	-	23	11	40	15540	22170
91-89	11810	74.00	76.00	2.00	-	-	1	-	-	0.4	17	1	99	-	29	11	56	22980	31140
91-89	11811	76.00	78.00	2.00	-	-	1	-	-	0.4	19	1	112	-	42	14	58	23490	27180
91-89	11812	78.00	80.00	2.00	-	-	2	-	-	0.5	17	1	88	-	28	14	48	19060	33870
91-89	11813	80.00	82.00	2.00	-	-	1	-	-	0.6	17	1	102	-	27	14	59	21960	60860
91-89	11814	82.00	84.00	2.00	-	-	1	-	-	0.8	16	1	111	-	22	13	36	17660	57190
91-89	11815	84.00	86.00	2.00	-	-	3	-	-	0.7	20	1	95	-	24	15	40	19620	43530
91-89	11816	86.00	88.00	2.00	-	-	2	-	-	0.7	20	2	263	270	47	19	213	28670	48750
91-89	11817	88.00	90.00	2.00	-	-	1	-	-	0.4	22	2	296	360	81	19	680	34900	20190
91-89	11818	90.00	92.00	2.00	-	-	1	-	-	0.3	15	1	260	375	59	15	329	30730	25540
91-89	11819	92.00	94.00	2.00	-	-	2	-	-	0.4	17	2	290	395	53	21	410	32540	26770
91-89	11820	94.00	96.00	2.00	-	-	1	-	-	0.6	23	3	309	340	52	21	661	30110	27970
91-89	11821	96.00	98.00	2.00	-	-	1	-	-	0.6	21	1	204	200	30	25	195	25980	29340
91-89	11822	98.00	100.00	2.00	-	-	1	-	-	0.2	17	1	281	185	43	24	149	29640	14920
91-89	11823	100.00	102.00	2.00	-	-	2	-	-	0.1	21	1	286	245	46	25	331	31250	11060
91-89	11824	102.00	104.00	2.00	-	-	2	-	-	0.1	11	1	224	130	33	18	167	27840	15190

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-89	11825	104.00	106.00	2.00	-	-	1	-	-	0.1	11	1	140	120	34	21	114	26750	15020
91-89	11826	106.00	108.00	2.00	-	-	2	-	-	0.1	10	1	145	135	38	25	140	29440	8800
91-89	11827	108.00	110.00	2.00	-	-	1	-	-	0.1	15	1	127	180	39	25	178	27680	16870
91-89	11828	110.00	112.00	2.00	-	-	1	-	-	0.1	13	1	294	190	38	22	101	31320	17630
91-89	11829	112.00	114.00	2.00	-	-	2	-	-	0.1	17	1	448	260	51	26	121	34460	16810
91-89	11830	114.00	116.00	2.00	-	-	1	-	-	0.1	23	1	283	425	58	24	342	38420	10320
91-89	11831	116.00	118.00	2.00	-	-	1	-	-	0.7	22	4	345	475	69	26	898	35510	18310
91-89	11832	118.00	120.00	2.00	-	-	2	-	-	0.2	14	1	246	345	65	19	166	31560	15220
91-89	11833	120.00	122.00	2.00	-	-	1	-	-	0.1	20	1	283	245	41	13	148	23380	15260
91-89	11834	122.00	124.00	2.00	-	-	2	-	-	0.1	28	1	89	-	45	13	52	17920	16470
91-89	11835	124.00	126.00	2.00	-	-	1	-	-	0.2	27	1	393	-	33	14	48	19090	22390
91-89	11836	126.00	128.00	2.00	-	-	2	-	-	0.3	20	1	127	-	32	16	56	20640	19430
91-89	11837	128.00	130.00	2.00	-	-	2	-	-	0.7	27	1	167	-	33	15	49	18960	33980
91-89	11838	130.00	132.00	2.00	-	-	1	-	-	1.0	21	1	216	-	28	13	49	21270	69880
91-89	11839	132.00	134.00	2.00	-	-	1	-	-	0.7	23	1	143	-	28	13	49	20680	52190
91-89	11840	134.00	136.00	2.00	-	-	1	-	-	0.8	20	1	139	-	27	15	44	21600	61110
91-89	11841	136.00	138.00	2.00	-	-	1	-	-	1.1	25	1	132	-	21	17	45	21350	74660
91-89	11842	138.00	140.00	2.00	-	-	2	-	-	1.0	23	2	261	495	34	17	226	27540	62310
91-89	11843	140.00	142.00	2.00	-	-	1	-	-	1.1	17	1	203	375	46	17	364	28860	28900
91-89	11844	142.00	144.00	2.00	-	-	3	-	-	2.7	40	9	173	1020	98	24	1884	35080	22200
91-89	11845	144.00	146.00	2.00	-	-	2	-	-	2.8	53	9	165	1270	81	24	1258	44380	26610
91-89	11846	146.00	148.00	2.00	-	-	5	-	-	1.9	52	11	153	820	71	26	733	45690	8140
91-89	11847	148.00	150.00	2.00	-	-	6	-	-	2.2	48	11	156	705	69	19	1078	37700	18930
91-89	11848	150.00	152.00	2.00	-	-	2	-	-	1.0	21	3	112	370	43	24	304	31080	15370
91-89	11849	152.00	154.00	2.00	-	-	1	-	-	1.1	29	3	115	720	54	17	428	30470	14020
91-89	11850	154.00	156.00	2.00	-	-	1	-	-	0.8	27	4	86	780	53	17	425	31750	45400
91-89	11851	156.00	158.00	2.00	-	-	2	-	-	1.0	34	7	90	1490	86	21	751	35580	53410
91-89	11852	158.00	160.00	2.00	-	-	1	-	-	0.9	38	6	82	1140	47	22	395	25420	56880
91-89	11853	160.00	162.00	2.00	-	-	1	-	-	0.7	62	16	63	775	64	21	589	31370	23610
91-89	11854	162.00	164.00	2.00	-	-	1	-	-	1.0	178	21	52	-	43	37	401	35080	16860
91-89	11855	164.00	166.00	2.00	-	-	2	-	-	0.7	125	5	48	-	11	23	172	17900	15150
91-89	11856	166.00	168.00	2.00	-	-	1	-	-	0.6	77	3	38	-	13	25	125	12110	5340
91-89	11857	168.00	170.00	2.00	-	-	1	-	-	0.6	42	3	38	-	11	29	138	11440	8190
91-89	11858	170.00	172.00	2.00	-	-	2	-	-	0.6	17	2	32	-	9	26	157	8920	2540
91-89	11859	172.00	174.00	2.00	-	-	1	-	-	0.8	16	2	24	-	14	29	143	10940	15120
91-89	11860	174.00	176.00	2.00	-	-	1	-	-	0.6	28	2	24	-	11	39	105	6820	6910
91-89	11861	176.00	178.00	2.00	-	-	1	-	-	0.5	25	2	22	-	11	29	131	7510	4630
91-89	11862	178.00	180.00	2.00	-	-	2	-	-	0.4	30	1	15	-	19	22	109	7370	1450
91-89	11863	180.00	182.00	2.00	-	-	1	-	-	0.3	31	2	17	-	16	33	179	10690	2010
91-89	11864	182.00	184.00	2.00	-	-	3	-	-	0.4	37	1	14	-	11	29	93	8540	7670
91-89	11865	184.00	186.00	2.00	-	-	5	-	-	0.4	104	1	17	-	13	112	106	30200	8220
91-89	11866	186.00	188.00	2.00	-	-	1	-	-	0.3	19	1	22	-	4	15	107	14070	1780
91-89	11867	188.00	190.00	2.00	-	-	2	-	-	0.5	30	1	17	-	5	29	91	16200	6620
91-89	11868	190.00	192.00	2.00	-	-	1	-	-	0.3	32	1	15	-	13	24	94	8950	3340
91-89	11869	192.00	194.00	2.00	-	-	1	-	-	0.4	25	1	20	-	12	25	153	9240	2990
91-89	11870	194.00	196.00	2.00	-	-	1	-	-	0.2	20	1	19	-	8	18	98	11540	2090
91-89	11871	196.00	198.00	2.00	-	-	2	-	-	0.4	24	1	17	-	6	19	67	6850	3610
91-89	11872	198.00	200.00	2.00	-	-	1	-	-	0.4	21	1	17	-	8	20	83	7460	4030
91-89	11873	200.00	202.00	2.00	-	-	2	-	-	0.3	11	1	17	-	7	19	114	10300	1890
91-89	11874	202.00	203.91	1.91	-	-	2	-	-	0.3	25	1	18	-	7	16	88	9210	8050

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ63+64
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11750	.4	6660	122	2	112	1.3	2	1490	.1	2	9	15720	2950	4	3630	31	23	360	13	50	25	20	4	5	18	3.9	280	3	1	3	76	3	
11751	.5	6920	66	1	99	1.3	3	1660	.1	2	8	11240	2450	7	5940	43	13	530	11	10	23	13	5	5	18	3.3	216	4	1	4	101	15	
11752	.3	8210	85	1	106	1.4	2	2160	.1	2	9	13390	3220	6	4650	33	18	450	15	10	27	20	6	6	24	4.2	267	4	1	4	85	4	
11753	.5	6400	76	1	120	1.7	2	1120	.1	2	7	13790	3140	4	2410	17	13	40	5	40	26	19	4	7	24	1.8	317	3	1	2	38	22	
11754	.8	6510	80	1	127	1.1	2	5980	.1	1	6	9960	2510	5	4200	65	11	160	1	30	25	16	11	7	31	1.9	135	4	1	6	138	16	
11755	1.0	5240	277	1	96	1.0	1	10700	.1	1	5	9250	2460	3	2510	65	8	70	1	10	19	24	19	5	27	1.6	91	3	1	4	93	151	
11756	1.3	7350	526	2	413	1.8	2	3770	.1	2	6	12380	3750	3	2050	27	9	60	1	10	29	49	9	9	40	1.2	154	3	1	3	56	402	
11757	.8	10180	208	2	205	2.3	2	5640	.1	2	7	18970	4990	4	3100	43	11	70	1	10	31	40	11	9	49	1.4	123	3	1	3	61	79	
11758	1.2	10860	96	1	211	2.1	3	12330	.1	2	7	15810	4750	6	5360	157	9	80	1	10	26	32	23	9	52	2.0	144	5	1	3	58	22	
11759	1.2	3400	263	1	137	.7	1	14070	.1	2	6	20970	1940	1	1940	124	15	30	1	10	22	34	27	4	19	1.8	91	1	1	3	76	65	
11760	2.0	3400	2073	1	96	1.3	2	8760	.1	3	9	27860	2110	2	1840	60	26	290	3	10	30	90	17	5	17	1.7	206	2	1	3	66	1650	
11761	1.0	4160	410	1	102	1.2	1	3280	.1	2	7	20370	2320	1	1320	25	17	30	3	10	23	34	7	4	17	1.8	154	2	1	2	54	230	
11762	.9	4620	543	1	117	1.2	2	4040	.1	2	7	13060	2540	2	1820	31	16	30	6	10	23	36	10	4	18	2.2	218	2	1	3	75	110	
11763	.9	5150	302	1	157	1.3	2	2300	.1	2	7	13350	2750	2	1330	16	12	30	5	10	19	27	7	4	19	1.7	218	2	1	3	65	13	
11764	1.2	4890	256	1	141	1.1	2	3860	.1	2	7	12160	2650	2	1750	34	16	30	7	10	21	29	9	5	20	1.9	191	2	1	4	86	183	
11765	2.1	4520	523	1	169	1.7	2	10080	.1	2	7	15970	2560	2	2680	149	14	30	8	10	29	40	17	6	20	2.0	143	3	1	2	54	304	
11766	2.0	3230	177	1	141	1.3	1	4950	.1	2	7	13880	1690	2	2790	94	16	170	4	10	21	17	11	5	17	2.2	108	3	1	4	102	285	
11767	.5	2990	38	1	55	1.0	2	3450	.1	1	6	10490	1370	3	3470	105	8	390	1	10	24	6	9	5	24	1.6	127	3	1	6	136	31	
11768	.6	2770	32	1	67	.7	2	6530	.1	1	5	8670	1090	2	3580	104	9	460	1	10	26	4	17	5	23	1.8	86	3	1	6	152	21	
11769	.5	2690	27	1	30	.5	2	5610	.1	1	5	8810	720	2	3410	171	6	520	2	20	24	4	15	5	25	1.8	88	4	1	7	168	10	
11770	.6	4170	26	1	67	1.9	2	4030	.1	1	6	9270	2110	2	2340	112	9	290	1	20	26	5	7	6	32	1.5	116	3	1	5	122	14	
11771	.4	2610	25	1	34	1.0	2	3190	.1	1	7	8590	1060	2	1740	96	4	410	1	20	25	5	6	5	24	1.3	100	3	1	6	144	10	
11772	.5	2800	27	1	37	1.0	2	7110	.1	1	7	9920	1390	1	3060	187	8	310	1	10	31	7	10	5	23	1.5	106	3	1	5	129	7	
11773	.5	1540	24	1	42	.5	2	5460	.2	1	5	8560	720	1	2070	106	7	460	1	10	23	3	11	4	18	1.3	83	3	1	5	131	3	
11774	.6	12800	18	9	111	.5	2	26910	.1	9	28	22520	1410	18	14450	476	7	440	50	600	20	1	122	1	42	42.9	42	4	1	10	232	1	
11775	.6	13350	22	8	143	.5	3	33930	.1	8	23	20080	1840	18	12790	452	5	480	63	570	13	1	146	1	45	41.6	45	5	1	9	191	2	
11776	.4	14700	23	6	183	.5	2	14320	.1	10	21	19830	1960	19	13040	219	5	780	75	440	14	1	61	1	48	44.9	44	5	1	11	257	1	
11777	.3	13720	17	4	108	.4	1	21930	.1	9	18	20350	1600	18	12480	392	3	500	51	620	13	1	83	1	45	42.7	41	5	1	7	164	1	
11778	.4	11730	19	4	101	.4	2	25470	.1	7	22	19130	1430	15	10310	376	5	470	36	830	15	1	112	1	40	38.0	37	5	1	8	173	1	
11779	.4	14700	16	6	153	.3	3	63430	.1	8	23	23900	2080	20	12860	820	7	430	40	990	13	1	226	1	49	49.1	60	4	1	9	202	2	
11780	.4	12300	18	4	113	.3	2	25420	.1	8	23	20950	1430	17	10730	370	6	530	46	830	13	1	117	1	39	40.6	51	4	1	9	201	2	
11781	.2	10450	15	3	77	.3	2	25270	.1	7	22	18590	1090	14	9650	334	4	360	45	740	16	1	96	1	33	32.6	36	4	1	7	155	5	
11782	.6	10070	18	3	114	.1	2	36550	.1	7	22	19710	1250	16	10680	493	4	430	47	770	14	2	157	1	28	32.6	43	4	1	7	153	2	
11783	.4	8800	48	7	201	.5	2	33190	.1	13	41	30040	3120	7	13060	411	5	500	90	570	16	8	154	1	22	33.4	92	4	1	4	88	1	
11784	.4	24410	17	11	320	.9	2	23640	.1	15	54	33330	7010	20	14580	321	5	910	97	650	21	1	69	1	55	74.4	146	5	1	5	100	1	1100
11785	.4	15120	20	5	129	.5	3	15790	.1	10	20	20780	2580	18	12440	263	2	770	72	460	17	2	75	1	50	45.1	50	6	1	8	168	2	180
11786	.2	16500	20	6	238	.8	2	15070	.1	11	27	23740	3630	16	11050	288	2	680	64	510	18	2	78	1	52	42.3	53	5	1	7	171	5	
11787	.2	15420	14	5	151	.6	3	18560	.1	12	17	23870	2680	17	11790	428	2	530	63	480	18	1	79	1	52	39.8	46	5	1	6	135	1	
11788	.2	9540	12	2	102	.2	2	18480	.1	7	12	15880	1520	10	7590	369	2	660	32	390	14	1	81	1	35	26.2	34	4	1	7	169	1	
11789	.1	14680	12	5	273	.9	2	20030	.1	11	24	23770	3070	15	9990	345	2	410	54	660	20	2	117	1	51	37.1	54	4	1	6	134	1	
11790	.2	12370	17	5	107	.6	2	11550	.1	10	19	21200	2630	13	9370	204	2	710	70	410	15	3	46	1	36	31.0	49	4	1	7	162	1	
11791	.1	15250	13	6	163	.6	1	13290	.1	12	27	26130	3360	19	11370	220	3	630	88	440	18	1	63	1	37	38.3	53	4	1	6	139	1	
11792	.5	14070	23	5	252	.5	2	26360	.1	10	20	21360	2230	19	12820	498	2	870	83	430	17	1	119	1	45	42.6	43	5	1	8	167	2	
11793	.2	15780	18	4	97	.6	2	12960	.1	11	21	20040	2090	24	15580	214	3	570	110	410	15	1	59	1	43	48.7	48	4	1	11	247	1	
11794	.5	13970	16	3	88	.4	3	44730	.1	9	23	21440	1410	22	15680	567	2	450	61	840	17	2	165	1	34	43.2	45	5	1	6	134	1	
11795	.9	12990	16	3	94	.4	4	64630	.1	7	25	22890	1210	20	21620	1187	4	540	31	960	18	2	245	1	28	37.3	55	5	1	4	81	1	
11796	.3	10930	17	3	92	.2	3	16730	.1	8	19	15580	1530	16	10760	205	3	230	54	380	13	1	92	1	34	30.2	36	5	1	9	208	1	
11797	.4	11510	20	2	72	.4	3	10660	.1	8	20	16460	1290	17	11470	133	3	520	56	370	14	1	49	1	30	32.8	44	5	1	8	172	2	
11798	.4	13580	18	3	154	.5	3	13860	.1	9	20	19250	1630	20	13290	241	2	610	61	410	15	1	57	1	39	37.1	46	5	1	8	176	1	
11799	.5	12420	24	3	83	.2	3	25560	.1	9	22	18170	1550	18	12380	284	3	570	84	390	16	1	100	1	33	31.7	39	5	1	8	169	1	
11800	.5	13190	22	4	207	.4	3	13380	.1	8	23	19540	1810	17	12180	211	3	440	63	480	15	2	52	1	44	38.2	42	5	1	8	183	2	
11801	.4	11930	20	4	143	.4	2	13230	.1	8	19	16740	1380	20	11550	177	3	570	58	360	13	2	55	1	37	35.5	44	5	1	7	167	1	
11802	.4	13020	20	4	83	.4	3	18110	.1	9	22	18330	1520	21	13320	280	6	830	81	370	16	1	74	1	39	38.0	43	5	1	11	269	1	
11803	.6	12270	19	2	119	.4	3	26380	.1	8	24	19620	1180	19	14350	444	4	530	74	490	12	1	129	1	32	36.5	48	5	1	7	159	2	
11804	.4	15740	26	4	97	.5	2	17180	.1	11	32	19440	1460	24	18450	203	4	660	127	350	18	1	81	1	40	43.8	54	4	1	10	235	1	
11805	.5	18960	17	4	171	.5	3	22490	.1	12	43	22540	2470	27	21200	276	1	720	140	410	15	1	106	1	56	52.8	59	4	1	9	214	2	

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COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ65+66
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11806	.2	15050	16	2	125	.4	2	15450	.1	10	24	17760	1710	22	17550	171	3	130	124	300	9	1	74	1	40	41.3	44	5	1	8	198	1	
11807	.3	18670	15	3	121	.5	2	19800	.1	12	29	21790	2150	28	21500	230	1	700	144	350	11	1	92	1	55	52.6	53	3	1	10	259	2	
11808	.1	16790	13	2	136	.6	1	15350	.1	11	28	21210	2080	24	18120	173	4	1230	136	340	15	1	68	1	50	46.6	52	4	1	10	241	1	
11809	.2	9420	10	1	65	.3	3	22170	.1	7	23	15540	1090	13	9650	227	1	440	64	300	11	1	105	1	27	25.1	40	3	1	7	162	2	
11810	.4	14250	17	2	99	.4	3	31140	.1	10	29	22980	1600	22	14660	357	4	110	106	570	11	1	145	1	34	38.8	56	4	1	7	164	1	
11811	.4	14420	19	1	112	.4	2	27180	.1	11	42	23490	1700	22	14930	285	5	560	132	390	14	1	124	1	41	42.1	58	4	1	9	201	1	
11812	.5	13220	17	1	88	.4	3	33870	.1	11	28	19060	1270	20	14460	349	3	500	131	360	14	1	148	1	33	36.8	48	5	1	7	170	2	
11813	.6	15050	17	1	102	.4	4	60860	.1	10	27	21960	1080	24	17280	428	4	560	121	480	14	1	237	1	35	41.5	59	5	1	9	219	1	
11814	.8	10700	16	1	111	.3	2	57190	.1	8	22	17660	990	15	11640	395	2	510	89	450	13	1	213	1	29	32.2	36	5	1	6	153	1	
11815	.7	10530	20	1	95	.1	3	43530	.1	9	24	19620	1470	14	10280	321	4	470	88	420	15	1	164	1	35	32.5	40	5	1	9	221	3	
11816	.7	18710	20	5	263	.4	2	48750	.1	12	47	28670	4360	18	14410	375	7	530	110	510	19	2	163	1	54	74.5	213	6	1	6	120	2	270
11817	.4	21830	22	17	296	.5	2	20190	5.7	15	81	34900	5540	20	14870	257	8	730	140	510	19	2	88	1	61	103.0	680	4	1	4	72	1	360
11818	.3	20450	15	7	260	.5	3	25540	.1	13	59	30730	5270	19	13440	289	8	800	106	540	15	1	103	1	56	83.4	329	4	1	3	63	1	375
11819	.4	22400	17	18	290	.5	2	26770	1.1	13	53	32540	5840	20	13640	315	8	660	116	540	21	2	103	1	65	88.1	410	5	1	4	69	2	395
11820	.6	21080	23	7	309	.6	3	27970	7.3	12	52	30110	5620	18	12520	335	6	840	98	570	21	3	137	1	57	85.6	661	5	1	4	72	1	340
11821	.6	17920	21	4	204	.6	3	29340	.1	12	30	25980	3620	19	11560	553	3	790	79	670	25	1	168	1	54	52.6	195	6	1	5	115	1	200
11822	.2	23500	17	7	281	1.3	3	14920	.1	13	43	29640	5640	22	12450	353	3	1320	81	650	24	1	81	1	65	55.1	149	5	1	4	91	1	185
11823	.1	23710	21	7	286	.8	3	11060	.1	13	46	31250	5520	23	12570	303	5	1410	83	580	25	1	66	1	77	72.7	331	5	1	6	124	2	245
11824	.1	18950	11	3	224	.7	2	15190	.1	10	33	27840	3290	23	11650	399	3	360	37	760	18	1	86	1	44	41.1	167	4	1	3	59	2	130
11825	.1	15260	11	1	140	.6	2	15020	.1	11	34	26750	2040	22	10220	378	3	650	44	590	21	1	82	1	46	37.6	114	4	1	4	92	1	120
11826	.1	17400	10	2	145	.8	2	8800	.1	13	38	29440	2730	24	10630	294	3	610	43	640	25	1	47	1	52	39.9	140	3	1	4	89	2	135
11827	.1	16830	15	1	127	.9	3	16870	.1	12	39	27680	2800	22	9980	433	3	570	46	740	25	1	109	1	51	41.1	178	5	1	4	105	1	180
11828	.1	18540	13	1	294	.6	2	17630	.1	13	38	31320	2460	26	12090	442	3	690	69	660	22	1	107	1	46	44.2	101	4	1	4	98	1	190
11829	.1	24460	17	5	448	1.1	3	16810	.1	16	51	34460	4970	28	13700	483	3	670	85	780	26	1	106	1	73	65.7	121	5	1	5	118	2	260
11830	.1	26870	23	6	283	.9	2	10320	.1	16	58	38420	5660	26	15340	331	5	460	100	740	24	1	65	1	61	85.6	342	5	1	4	88	1	425
11831	.7	27940	22	7	345	.9	3	18310	10.9	13	69	35510	6880	24	17370	342	8	1190	95	760	26	4	107	1	54	126.3	898	5	1	4	75	1	475
11832	.2	24900	14	6	246	.7	2	15220	.1	16	65	31560	5540	25	16460	246	4	1070	139	600	19	1	75	1	61	74.3	166	5	1	5	115	2	345
11833	.1	13950	20	1	283	.3	2	15260	.1	12	41	23380	2750	15	10020	186	4	540	114	470	13	1	62	1	43	43.6	148	4	1	6	133	1	245
11834	.1	6520	28	7	89	.3	2	16470	.1	9	45	17920	1180	9	5100	207	4	510	76	410	13	1	66	1	30	17.8	52	1	1	7	155	2	
11835	.2	8060	27	6	393	.3	3	22390	.1	10	33	19090	1470	11	6980	264	6	730	86	430	14	1	92	1	30	22.7	48	3	1	10	225	1	
11836	.3	13700	20	6	127	.3	2	19430	.1	12	32	20640	2020	18	12270	233	3	690	149	430	16	1	93	1	40	39.6	56	4	1	9	199	2	
11837	.7	13650	27	5	167	.3	2	33980	.1	12	33	18960	2090	18	16520	386	4	670	132	420	15	1	179	1	39	37.4	49	6	1	10	230	2	
11838	1.0	11830	21	5	216	.3	3	69880	.1	8	28	21270	1920	16	19860	658	3	690	71	1220	13	1	286	1	35	35.5	49	5	1	5	113	1	
11839	.7	11670	23	5	143	.4	2	52190	.1	9	28	20680	1860	16	15020	433	5	510	83	790	13	1	186	1	37	35.0	49	5	1	8	195	1	
11840	.8	11180	20	5	139	.3	2	61110	.1	9	27	21600	1750	16	17250	526	3	580	79	730	15	1	235	1	31	33.5	44	5	1	6	140	1	
11841	1.1	9470	25	5	132	.3	2	74660	.1	7	21	21350	1710	15	11610	599	3	700	39	1330	17	1	264	1	28	29.5	45	6	1	5	113	1	
11842	1.0	12850	23	7	261	.5	2	62310	.2	9	34	27540	2920	15	19760	540	3	1030	48	910	17	2	192	1	24	41.9	226	5	1	3	64	2	495
11843	1.1	17600	17	7	203	.4	2	28900	4.4	10	46	28860	3250	21	11710	480	5	640	64	570	17	1	145	1	31	56.1	364	5	1	4	72	1	375
11844	2.7	16700	40	7	173	.4	2	22200	44.4	11	98	35080	3570	20	10310	473	15	1070	68	880	24	9	111	1	32	122.2	1884	3	1	5	74	3	1020
11845	2.8	15840	53	8	165	.2	2	26610	23.8	10	81	44380	4400	18	9060	707	15	700	37	710	24	9	187	1	24	132.9	1258	3	1	4	64	2	1270
11846	1.9	9530	52	6	153	.3	1	8140	12.5	11	71	45690	3290	9	7490	361	13	1240	25	720	26	11	62	1	30	86.3	733	2	1	3	39	5	820
11847	2.2	8890	48	6	156	.3	2	18930	21.7	10	69	37700	3320	8	7610	639	24	760	42	1430	19	11	65	1	32	91.6	1078	3	1	3	33	6	705
11848	1.0	17020	21	7	112	.5	2	15370	.7	9	43	31080	4480	17	10280	606	10	960	16	770	24	3	62	1	45	59.4	304	3	1	3	45	2	370
11849	1.1	17010	29	7	115	.5	2	14020	3.5	8	54	30470	4820	16	10060	449	16	500	35	910	17	3	46	1	45	74.8	428	4	1	3	39	1	720
11850	.8	17970	27	6	86	.4	2	45400	1.8	9	53	31750	4230	22	13390	821	22	570	41	930	17	4	76	1	51	90.2	425	5	1	2	24	1	780
11851	1.0	15840	34	8	90	.2	3	53410	6.6	11	86	35580	5340	16	10780	654	48	620	107	840	21	7	79	1	56	122.7	751	3	1	3	30	2	1490
11852	.9	8660	38	6	82	.5	1	56880	3.7	7	47	25420	4120	4	5420	650	35	1460	64	850	22	6	83	1	37	42.6	395	3	1	1	19	1	1140
11853	.7	10510	62	6	63	.7	2	23610	5.5	10	64	31370	4320	7	4880	676	32	620	70	720	21	16	54	1	51	66.6	589	2	1	2	28	1	775
11854	1.0	11900	178	5	52	1.4	1	16860	.4	9	43	35080	4450	9	3690	602	38	410	53	510	37	21	46	1	59	58.6	401	3	1	3	59	1	
11855	.7	13340	125	4	48	3.7	1	15150	.1	2	11	17900	6000	8	2710	479	36	100	2	20	23	5	40	1	71	5.0	172	5	1	4	96	2	
11856	.6	4840	77	3	38	1.5	2	5340	.1	2	13	12110	2450	3	990	184	8	350	4	20	25	3	12	2	79	3.8	125	4	1	7	151	1	
11857	.6	6960	42	3	38	3.9	3	8190	.1	2	11	11440	3930	5	910	288	8	260	3	10	29	3	14	3	107	2.8	138	4	1	9	210	1	
11858	.6	6430	17	2	32	3.2	2	2540	.1	2	9	8920	3880	4	700	130	5	240	1	10	26	2	5	3	101	1.9	157	5	1	5	107	2	
11859	.8	4540	16	1	24	1.9	2	15120	.1	2	14	10940	2560	3	580	714	6	390	1	10	29	2	20	2	86	2.1	143	4	1	8	194	1	
11860	.6	3000	28	1	24	1.1	2	6910	.1	1	11	6820	2130	2	330	146	4	360	2	20	39	2	9	1	66	1.7	105	3	1	6	138	1	
11861	.5	4590	25	1	22	2.4	2	4630	.1	1	11	7510	3250	3	740	122	5	230	1	10	29	2	8	1	68	1.3	131	4	1	7	178	1	

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ67+68
DATE: 91/10/17
* ROCK * (ACT:F31)

91-68

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11862	.4	1170	30	1	15	.5	2	1450	.1	1	19	7370	850	1	210	70	3	400	1	10	22	1	4	1	43	1.0	109	1	1	5	108	2	
11863	.3	4310	31	1	17	1.3	2	2010	.1	1	16	10690	2140	4	1010	160	4	290	1	10	33	2	3	2	76	1.2	179	4	1	6	138	1	
11864	.4	2010	37	5	14	.5	1	7670	.1	1	11	8540	1140	3	360	204	6	490	1	10	29	1	9	1	48	1.6	93	1	1	8	194	3	
11865	.4	5090	104	4	17	1.7	2	8220	.1	3	13	30200	2210	5	1150	272	1	310	1	10	112	1	9	1	72	1.2	106	2	1	4	82	5	
11866	.3	6520	19	2	22	1.9	2	1780	.1	2	4	14070	2520	6	1260	220	5	350	1	10	15	1	3	1	96	1.0	107	4	1	8	174	1	
11867	.5	6730	30	1	17	1.2	1	6620	.1	2	5	16200	2310	7	1520	287	2	180	1	10	29	1	5	2	101	1.1	91	5	1	3	62	2	
11868	.3	3390	32	1	15	.8	1	3340	.1	1	13	8950	1350	2	560	138	4	480	1	10	24	1	3	1	79	.8	94	3	1	8	186	1	
11869	.4	3850	25	1	20	1.6	1	2990	.1	1	12	9240	1760	2	670	140	1	440	1	10	25	1	5	1	77	1.2	153	3	1	6	132	1	
11870	.2	5720	20	1	19	1.6	2	2090	.1	2	8	11540	2310	5	1430	173	4	200	1	10	18	1	4	1	103	1.4	98	4	1	8	191	1	
11871	.4	3100	24	1	17	1.5	1	3610	.1	1	6	6850	1420	2	530	124	1	410	2	10	19	1	4	1	79	.9	67	3	1	6	138	2	
11872	.4	3190	21	1	17	1.6	1	4030	.1	1	8	7460	1330	2	620	145	4	400	1	10	20	1	4	1	75	.9	83	3	1	5	121	1	
11873	.3	5100	11	1	17	2.6	1	1890	.1	1	7	10300	1960	4	1090	188	1	440	1	10	19	1	4	1	104	.8	114	4	1	6	134	2	
11874	.3	3740	25	1	18	1.6	1	8050	.1	1	7	9210	1630	3	880	347	3	290	1	10	16	1	13	1	74	.8	88	3	1	4	98	2	
11875	.9	3820	18	3	24	.9	1	18310	.1	5	29	12290	1520	4	1560	260	5	320	7	200	18	2	20	1	71	19.1	65	1	1	7	164	5	
11876	.4	14900	48	4	26	1.2	4	59350	.1	32	50	48120	2910	21	10010	1257	1	230	44	1190	5	3	39	1	254	137.5	82	2	1	7	158	13	
11877	.6	11030	42	2	34	.8	3	66380	.1	35	58	36750	3190	13	6290	1058	2	260	56	1390	128	4	56	1	275	104.8	109	2	1	7	134	2	
11878	.4	14440	49	3	63	.7	4	82050	.1	36	54	47330	4600	17	8700	1388	1	240	53	1420	30	6	62	1	254	120.3	71	3	1	7	143	6	
11879	.6	11440	39	1	45	.8	2	28500	.1	36	51	25160	4880	7	3360	599	2	520	62	1340	8	2	50	1	345	102.2	107	1	1	6	127	3	
11880	.4	11610	48	1	49	1.0	2	34920	.1	39	63	33120	4750	8	3560	824	1	450	66	1420	4	1	40	1	322	100.9	106	1	1	7	143	18	
11881	.4	9950	41	1	30	.9	1	27440	.1	35	48	36460	3290	9	3820	620	1	340	57	1250	9	1	27	1	139	101.1	92	1	1	6	120	4	
11882	.6	5810	13	1	23	2.8	1	8690	.1	2	8	11730	2410	4	1630	247	6	250	2	40	8	1	8	2	57	6.1	58	1	1	7	185	5	
11883	.5	5430	7	1	31	3.6	1	3310	.1	2	8	9280	2720	4	1330	82	6	220	1	60	9	1	4	3	67	4.1	98	2	1	4	115	2	
11884	.7	5930	11	1	24	3.9	1	9610	.1	2	9	10000	2470	5	2030	156	6	260	1	70	12	1	10	5	77	4.4	76	2	1	6	145	2	
11885	.5	12590	2	1	36	3.9	1	3890	.1	3	6	13430	4680	11	4670	151	8	180	1	60	7	1	5	5	100	10.0	68	4	1	5	115	17	
11886	.4	5970	26	1	20	1.1	1	4000	.1	13	18	16440	2010	5	2360	107	6	450	25	410	5	1	7	1	70	41.2	35	1	1	9	231	19	
11887	.6	14070	7	1	41	3.8	1	5410	.1	2	8	12260	5750	12	5980	111	6	60	3	20	16	1	6	5	74	3.6	122	3	1	6	154	3	
11888	.8	10540	9	1	30	3.0	1	8220	.1	2	8	10840	3740	11	5820	136	6	130	1	20	20	1	9	4	57	1.9	104	4	1	6	165	1	
11889	.6	15490	16	1	43	3.7	1	9720	.1	6	11	19080	4930	15	8410	184	2	140	5	130	16	1	9	4	80	14.3	113	4	1	6	152	2	
11890	.4	8380	34	1	34	.6	1	27900	.1	33	42	41840	2790	8	3910	544	2	400	40	1140	5	1	27	1	429	100.6	84	1	1	7	158	2	
11891	.4	13140	45	1	50	.6	4	65960	.1	31	44	49170	3320	15	7900	1523	1	260	35	1130	7	1	41	1	710	128.9	86	1	1	7	164	3	
11892	.7	20620	13	1	45	.1	12	58870	.1	34	43	58370	2190	33	17860	1310	1	260	26	1000	1	1	27	1	2923	188.1	83	1	1	9	183	1	
11893	.4	28470	1	3	61	.1	12	9890	.1	47	58	81960	2700	39	19340	684	1	400	32	1200	1	1	10	1	3237	259.9	100	1	1	11	242	1	
11894	.4	14480	42	2	48	.1	8	26150	.1	45	43	66460	2650	21	10320	916	1	370	37	1260	1	1	21	1	1971	164.8	86	1	1	10	197	4	
11895	.4	9760	72	4	60	.8	1	34060	.1	42	52	57520	3790	7	4020	971	1	250	41	1420	1	1	23	1	291	98.1	112	1	1	5	107	2	
11896	.5	10650	62	1	68	.3	4	79720	.1	32	43	40940	3700	11	6650	1738	1	300	37	1220	6	1	55	1	428	110.9	88	3	1	6	125	2	
11897	.7	10150	45	1	59	.5	5	71240	.1	37	48	34990	3570	9	5210	1446	1	340	48	1210	6	1	55	1	720	115.7	71	2	1	7	128	3	
11898	.4	19590	36	1	31	.6	3	60860	.1	37	48	53210	2780	30	15200	1389	1	260	44	1100	3	1	42	1	411	190.6	77	1	1	8	170	2	
11899	.4	5200	30	1	41	.5	1	2710	.1	8	18	23820	1940	3	1480	165	6	420	9	320	7	1	5	1	184	40.3	36	1	1	11	265	1	
11900	.4	2410	44	1	30	.5	1	620	.1	6	10	58360	1800	1	260	560	6	220	1	50	8	1	2	1	30	3.8	23	1	1	4	136	6	
11901	.4	4850	16	1	30	2.5	1	1390	.1	3	6	16110	3050	2	1920	235	6	170	1	30	18	2	3	3	51	2.1	71	1	1	8	207	3	
11902	.5	6710	12	1	25	2.6	1	1280	.1	2	7	14110	3270	5	2450	200	2	80	1	30	21	1	2	5	73	2.6	111	2	1	3	74	1	
11903	.8	2550	12	1	18	1.2	1	8670	.1	1	8	9190	900	2	2070	254	4	500	1	30	21	1	11	5	48	2.2	95	1	1	6	161	4	
11904	.8	4910	11	1	23	1.8	1	10560	.1	1	9	11430	1650	5	2000	321	2	360	1	10	23	1	9	6	60	1.5	91	3	1	4	103	2	
11905	5.9	39310	37	23	155	1.5	8	23800	.1	48	4731	72950	1550	31	17000	1264	6	730	1	1390	28	6	116	4	1200	99.1	90	1	5	9	23	2	
11906	7.2	32230	77	15	129	.5	10	13910	.1	56	4377	110460	1820	21	14270	1053	21	790	1	1650	22	1	75	1	1150	106.7	99	1	3	19	11	3	
11907	2.5	56980	1	5	47	1.0	5	35260	.1	11	615	22700	1310	10	5310	620	1	1280	1	690	12	1	177	3	406	37.0	37	4	2	1	7	2	
11908	1.6	50050	1	2	73	.9	7	28140	.1	13	323	34380	1270	13	10690	806	1	1030	1	900	9	1	153	2	762	66.0	48	3	1	2	10	2	
11909	1.1	32190	1	2	65	.6	9	13340	.1	20	516	45130	3790	13	12900	1027	1	830	1	930	12	1	48	1	1472	85.8	60	1	2	2	9	4	
11910	.5	28410	1	3	295	.4	10	15770	.1	19	264	41220	2050	12	10300	1457	2	2320	8	1500	17	1	73	1	1282	110.6	88	1	1	2	21	3	
11911	.4	36960	10	1	317	.4	10	12390	.1	24	341	54420	1490	16	15380	1389	1	1130	10	1310	14	1	75	1	1665	133.8	83	1	1	3	28	2	
11912	.5	32880	11	1	236	.6	9	11770	.1	21	178	48640	1280	15	12450	1037	1	1740	12	1320	16	1	61	1	1553	124.7	109	3	1	3	28	1	
11913	.5	33590	5	1	439	.8	8	15660	.1	25	213	48350	1540	12	11990	2000	1	2110	12	2030	22	1	68	1	1001	117.7	114	2	1	2	27	3	
11914	.7	30070	1	1	507	.7	10	12140	.1	33	202	54810	1210	13	11320	2267	2	1720	14	1490	16	1	65	1	1692	141.4	89	1	2	3	32	1	
11915	.5	40310	12	1	341	.7	10	12200	.1	37	612	63780	1410	17	16940	1012	6	1700	22	1360	8	1	85	1	2037	166.1	97	1	2	3	58	1	
11916	.2	31340	13	1	511	.6	10	11250	.1	33	231	55600	1170	16	11460	2981	4	1690	18	1680	22	1	58	1	1738	139.0	98	1	1	3	41	2	
11917	1.0	24110	3	1	470	.3	8	17240	.1	30	383	45470	1480	10	10470	2785	1	1730	32	1890	19	1	68	1	1427	124.3	99	1	1	3	45	2	

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-90
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TESTS

Meterage	Dip	Azimuth
0	-45°	117°
139.6	-42.5°	116°

COLLAR SURVEY:
Northing: 11577.25
Easting: 9741.43
Elevation: 1249.96
Azimuth: —
Dip: —
IP Grid Coordinates: 11600N 9745E

CORE BQTW
Section: 11590N
Date Started: Aug 5/91
Date Finnished: Aug 6/91
Date Logged: Aug 7-8/91

Total Depth: 139.6 m
Casing Depth 0.61
Casing Left In: YES
Logged By: M ARCHAMBAULT
Comments: CASING IN HOLE – NOT SECURE

SAMPLE NUMBERS
11875 To 11943
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	0.61	OVERBURDEN
0.61	2.7	TUFFACEOUS RHYOLITE (3.9)
		Lithology: Grey (medium) fragments up to 3cm in diameter ≈ 30% of the rock in a mottled medium grey matrix of the same composition → Autobrecciation.
		Structure: Minor fracturing at different orientation
		Alteration: Rock is pitted along the fractures as if it was partly dissolved – Rusty stain also on fractures
		Mineralization: Trace of disc pyrite grains 1mm in diameter.
2.7	14.85	DIORITE DYKE (6.1)
		Lithology: Massive, fine grained, equigranular dark greenish grey, approximately 30% mafic → chlorite, 65-70% feldspar

Calcareous 0-5%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 2 OF 18

Structure: This rock unit shows no foliation
Minor fracturing 10-60° to c.a. various orientation

Hydrothermal brecciation approximately 7-8.5 m. Fragments are sub-angular and rotated. 0.5-8cm in diameter

Alteration: Strong pervasive carbonate alteration (up to 5% of the rock) and fine calcite veinlets, hairline to 3mm wide
Strong oxidation of the fracture surface

Mineralization: Disseminated pyrite throughout 1-5% - very fine grained
Pyrite also occurs as fine grained veinlets lining the walls of the calcite veinlets and filling some fractures 2%

4.3-9.55 - HETEROLITHIC BRECCIA

Lithology: Fragments of wallrock-mafic-, of rhyolite, of intense silicified rhyolite ? (looks like serpentine) and some pyritic fragments in a tuffaceous? and calcareous matrix

Structure: Irregular contacts upper contact 60°
lower contact 50°

Alteration + Mineralization: —

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-90 PAGE 3 OF 18
14.85	24.9	TUFFACEOUS RHYOLITE - Ash - SERICITE (3.9 A-a)
		14.85 - 16.3
		Lithology: Med grey, massive to crackle brecciated rhyolite flow
		Structure: Lower contact sharp, slightly foliated 20° to c.a.
		Fractured ≈ 5/m
		Alteration: Oxidation, limonite on fractures and pervasive along fractures 1mm to 5 cm
		Mineralization Absent.
		16.3 - 23.55
		Lithology: Breccia fragments 2mm to 2 cm in diameter, in a matrix of the same composition
		Medium greenish grey. Small rhyolite flow at 17.68 - 18.17 m.
		Structure: Weak foliation 19.7m 70° to c.a.
		Fractured 5/m
		Alteration: Limonite on fractures and pervasive up to 10 cm from fracture.
		Mineralization: Absent

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 4 OF 18

INTRUSIVE HYALOCLASTIC (RHYOLITIC)

23.55 - 24.12

Lithology: Medium grey, aphanitic, with rounded to sub rounded fragments in a white matrix
Fragments are from 1mm to 4cm in diameter

Structure: Contacts are sharp but broken

Alteration -

Mineralization - <1% pyrite in matrix.

24.12 - 24.9

Lithology: Medium to pale grey, siliceous, crackle brecciated

Structure: Contact sharp but broken, includes rounded fragments of the previous rock unit
as xenoliths of rhyolite are included in the hyaloclastic intrusive
Lower contact is foliated 45° to c.a. - Fractured ≈10/m

Alteration: Limonite on fracture surface and pervasive 1-2 cm along fractures

Mineralization: Pyrite along some of the fractures <1%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-90 PAGE 5 OF 18
24.9	27.0	TUFFACEOUS RHYOLITE - SERICITE (3.9a)
27.0	30.3	RHYOLITE FLOW (AUTOBRECCIATED) (3.8)
		Lithology: Med green to grey, rhyolite fragments 1 mm to 5 cm, in a dark green tuffaceous matrix
		Structure: Foliation of the matrix 28.4 m - 60° to c.a.
		Weak fracturing 1-2/m.
		Alteration: Pervasive sericite alt.
		Minor limonite on fracture surfaces.
		Mineralization: —
30.3	33.1	DIORITE DYKE CONTACT ZONE (6.1)
		Lithology: Medium grey massive, aphanitic to very fine grained.
		31.0 - 31.8 5% vesicules filled with calcite - disp pyrite
		Structure: Partly brecciated (50%) with rounded fragments of the same composition and minor fragments of black chert and sericitized rhyolite → near contact in a calcareous matrix
		Upper contact sharp but irregular
		Lower contact is sharp and marked by a change in grain size
		Alteration: Pervasive calcite and calcite filling the matrix of the brecciated area and the vesicules

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 6 OF 18
		Mineralization: Pyrite disseminated, very fine grained 2% in fractures and matrix, or forms a rim around diorite fragments ≈1% Trace in vesicules, disseminated	
33.1	49.07	DIORITE DYKE (6.1)	
		Lithology: Medium grey, massive, equigranular and fine grained. Composed mainly of plagioclase 60% chlorite replacing mafics (39%) pyrite 1% and tr of quartz → very fine Brecciation: rounded - sub rounded fragments of the same composition in a calcareous matrix. Fragments are 1mm to 5 cm in diameter	
		Structure: Some sections are very fractured ≈ 36.5 to 42.4 Lower contact is oxidized (NOT FOLIATED)	
		Alteration: Pervasive strong calcite alteration replacing feldspars Carbonate and pyrite leached out 35.5 – 42.4m. Pervasive limonite in highly fractured area 0.5 – 5 cm each side of fracture also between 35.5 42.4	
		Mineralization: Diss pyrite throughout 1-2% Pyrite in calcareous matrix of the breccia and in veinlets <1mm wide 2%	
49.07	87.1	RHYOLITE FLOW (AUTOBRECCIATED) (3.8) +/- TUFFACEOUS RHYOLITE (3.9)	
		Lithology: Medium grey fragments 1mm to 2 cm - very altered, May include a small flow Matrix is altered and bleached	
		Structure: Very broken, and brecciated in all orientations	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 7 OF 18
		Alteration: Breccia matrix is completely oxidized to limonite and bleached	
		Mineralization At ≈ 51.5 – 53.1 Breccia matrix is massive pyrite ≈ 30% of the rock	
		Pervasive oxidation over several cm along fractures	
		53.3 – 54.25	
		RHYOLITE FLOW	
		Lithology: Medium to dark grey, massive, crackle brecciated	
		Structure: Moderately fractured 12/m generally 60° to c.a.	
		Alteration: Minor limonite on fracture surfaces	
		Mineralization: Trace pyrite in crackle fractures	
		54.25 – 56.95	
		RHYOLITIC TUFF	
		Lithology: Medium green, minor rhyolitic fragments ≤ 10% in a tuffaceous matrix	
		Alteration: Strong pervasive sericite	
		Pervasive limonite 0 – 4 cm on each side of the fracture	
		Structure: Fractures ≈ 20/m various orientations	
		Strong foliation 25° to c.a. at 54.3 m and 35° at 56.6	
		Mineralization: < 1% pyrite veinlets in small fractures	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 7 OF 18
		Alteration: Breccia matrix is completely oxidized to limonite and bleached	
		Mineralization At ≈ 51.5 – 53.1 Breccia matrix is massive pyrite ≈ 30% of the rock	
		Pervasive oxidation over several cm along fractures	
		53.3 – 54.25	
		RHYOLITE FLOW	
		Lithology: Medium to dark grey, massive, crackle brecciated	
		Structure: Moderately fractured 12/m generally 60° to c.a.	
		Alteration: Minor limonite on fracture surfaces.	
		Mineralization: Trace pyrite in crackle fractures	
		54.25 – 56.95	
		RHYOLITIC TUFF	
		Lithology: Medium green, minor phyllitic fragments ≤ 10% in a tuffaceous matrix	
		Alteration: Strong pervasive sericite	
		Pervasive limonite, a. -4 cm on each side of the fracture	
		Structure: Fractures ≈ 20/m various orientations	
		Strong foliation 25° to c.a. at 54.3 m and 35° at 56.6	
		Mineralization: < 1% pyrite veinlets in small fractures	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 8 OF 18

56.95 - 63.39
AUTO BRECCIATED RHYOLITE

Lithology: Medium grey, mottled, brecciated with fragments and matrix of the same composition
Fragments are 0.5 mm up to 4 cm in diameter
This interval may include some thin rhyolite flows

Structure: fractured approximately 10/m.

Alteration: weak sericitization gives a pale green tint
Pervasive limonite alteration from 1 mm to 2 cm on each side of the fractures

Mineralization: Trace to 0.5% of disseminated pyrite along some fractures of the crackle breccia

59.5 - 60.2 = TUFFACEOUS RHYOLITE BRECCIA

Lithology: Rhyolite fragments 1 mm to 2 cm in diameter, in a dark green to black tuffaceous matrix (40%) - Normally greyish green

Structure: Foliation: 60-70° to c.a. Fractures: ≈ 7/m.

Alteration Sericite alteration - moderate
Pervasive limonite up to 1 cm each side of the fractures

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 9 OF 18
		63.39 - 65.4	
		TUFFACEOUS RHYOLITE BRECCIA	
		Lithology: Medium greyish green, rhyolitic fragments ~70% <1mm - 2 cm in a dark-black tuffaceous matrix 30%	
		Structure: Fractured 12/m	
		Alteration: 30% of irregular vuggy, white quartz veins, sub parallel to c.a. Pervasive, strong limonite alteration and bleaching destroyes most of the original rock	
		Mineralization: Quartz veins may have had some pyrite - It is now leached out or absent	
		65.4 - 69.1	
		RHYOLITE FLOW	
		Lithology: Massive but crackle brecciated, hard, medium grey. May contain small intersections of autobrecciation.	
		Structure: Fractures ≈ 15/m	
		Lower contact 60° to c.a	
		Alteration: Pervasive limonite and bleaching throughout, destroying most of the original texture	
		Mineralization <0.5% pyrite along fractures	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 10 OF 18

Lithology: Medium to dark grey, aphanitic and massive.
Structure: sharp contacts upper = broken, lower 35° to c.a.
Alteration —
Mineralization: Extremely fine grained pyrite disc throughout and as veinlets ≈1mm wide along crackle fractures 3%?

69.1 - 70.6
TUFFACEOUS RHYOLITE BRECCIA

Lithology: Medium grey to green fragments of rhyolite 1mm to 2cm in diameter, sub-angular ≈70% in a dark green tuffaceous matrix

Structure: Foliated 30-35° to c.a at 70m. Fractures: 5/m

Alteration Moderate sericite alt
Limonite on fracture surfaces, minor pervasive.

Mineralization: pyrite = trace along fractures

70.6 - 72.5
RHYOLITE FLOW

As 65.4 - 69.1 Same alteration

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 11 OF 15

72.5 - 77.0
TUFFACEOUS RHYOLITES AND TUFFACEAUS RHYOLITE BRECCIA

Lithology: Rhyolite fragments and bands in a tuffaceous matrix
Intersection too bleached and rusty to identify contacts and changes

Structure: Fractures ≈ 15/m.

Alteration: Moderate sericitization mainly of the matrix
Strong pervasive bleaching and limonite alteration

Mineralization: Trace of pyrite along fractures

77.0 - 85.2
TUFFACEOUS CHERTY RHYOLITE BRECCIA

Lithology: Rhyolite fragments <1 mm to 2 cm in diameter in a tuffaceous and cherty black to dark green matrix Fragments 50-60% Matrix 40-50%
Some short intervals <30 cm are more tuffaceous
Structure: foliation is weak 70.5 m 45° to c.a.
81.7 m 70° to c.a.
Fractures: 12/m

Alteration: Sericite alt of the fragments and of the tuffaceous component
Pervasive limonite alteration along the fractures 1 mm - 5 cm each side

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-90 PAGE 12 OF 18
		Mineralization: Trace on some crackle fractures, generally absent
		85.2 - 87.1 HYALOCLASTIC DYKE (RHYOLITIC)
		Lithology: Medium grey - brecciated with fragments 1mm to 2cm in diameter. Coarser fragments are fine grained, most of the rock is aphanitic, some of the fragments also show a reaction rim. Fragments slightly darker than matrix
		Structure: Contacts are sharp and irregular. Upper contact 60° to c.a. Lower contact 40° to c.a.
		Alteration: Strong calcite alteration - pervasive and in matrix
		Mineralization: Pyrite disc and veinlets in the matrix ≈ 5%
87.1	93.8	CHERTY RHYOLITE FLOW (3.7)
		Lithology: Medium grey, aphanitic, massive to crackle brecciated. Brecciated 92.1 - 92.5 and 93.0 - 93.45 = 70% - 80% of rhyolite fragments 1mm - 3cm, angular to sub-rounded in a dark grey matrix
		Structure: Fault - 87.8 - 35° to c.a. Fractures 3/m - 88.7 - 30° to c.a. Moderate crackling

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 13 OF 18
		Alteration: Quartz and sericite in crackling	
		Quartz - calcite veinlet, irregular, up to 2 cm wide parallel to c a, at 93.0 - 93.3 m	
		Mineralization: Pyrite veinlets in crackles. 1% (total).	
93.8	127.4	RHYODACITIC FRAGMENTAL (3.0) +/- RHYODACITIC FLOW - BRECCIATED (3.1)	
		Lithology: Medium greyish green, bedded rhyolitic tuff with some compositional layering	
		Structure: Bedding 35° to c a	
		Upper contact 60° to c a	
		Lower contact 45° to c a	
		Fractured 5/m	
		Alteration: Pervasive sericite - moderate	
		Minor silicification, quartz veinlets (trace feldspar) 1-3 mm in various orientation ≈ 2%	
		Mineralization: absent	
		93.4 - 123.0 RHYOLITE BRECCIA	
		Lithology: Medium green to greyish green rhyolite fragments (80%) in a fine grained, soft and thin matrix most likely chlorite (10%) Fragments are 1mm to 2 cm in diameter but angular to sub-rounded	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 14 OF 18

Structure: Fractures 3-5/m
Upper contact = sharp
Lower contact = gradational

Alteration: Pervasive sericite alteration of the fragments and generally increases in intensity towards the bottom from moderate to strong
100 - 101.2 Rhyolite fragments are bleached brownish green to beige but are still hard
114.3 - 116.1 Increase in sericite alteration including the matrix - Very strong
Minor limonite on fractures

Mineralization: absent

95.9 - 96.5 RHYOLITIC TUFF

Lithology: Medium green, fine grained, bedded

Structure: Bedding: 55° to c.a. Upper contact sharp: 30° to c.a.
Lower contact broken ≈ 40° to c.a.

Alteration: Pervasive sericite - moderate

Mineralization Absent

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 15 OF 18

113.8 – 114.2 DIORITE DYKE

Lithology: Med grey, massive, and includes fragment of the wallrock on each side
Contact also includes the contact zone.

Structure: Dyke width is 20 cm
Brecciation of the footwall – less brecciation of the hanging wall

Alteration: Moderate pervasive calcite

Mineralization: Absent

120.45 – 121.9 DIORITE DYKE

Lithology: Massive, very fine grained, equigranular, dark grey, Approximately
55% plagioclase, 40% mafics, 5% calcite
120 – 123 m – including the gradational contact zones – mottled, original Texture
Structure: destroyed

Structure: Sharp contacts Upper and Lower: 70° to c.a

Alteration: 5% pervasive calcite of the dyke, not of contact zones

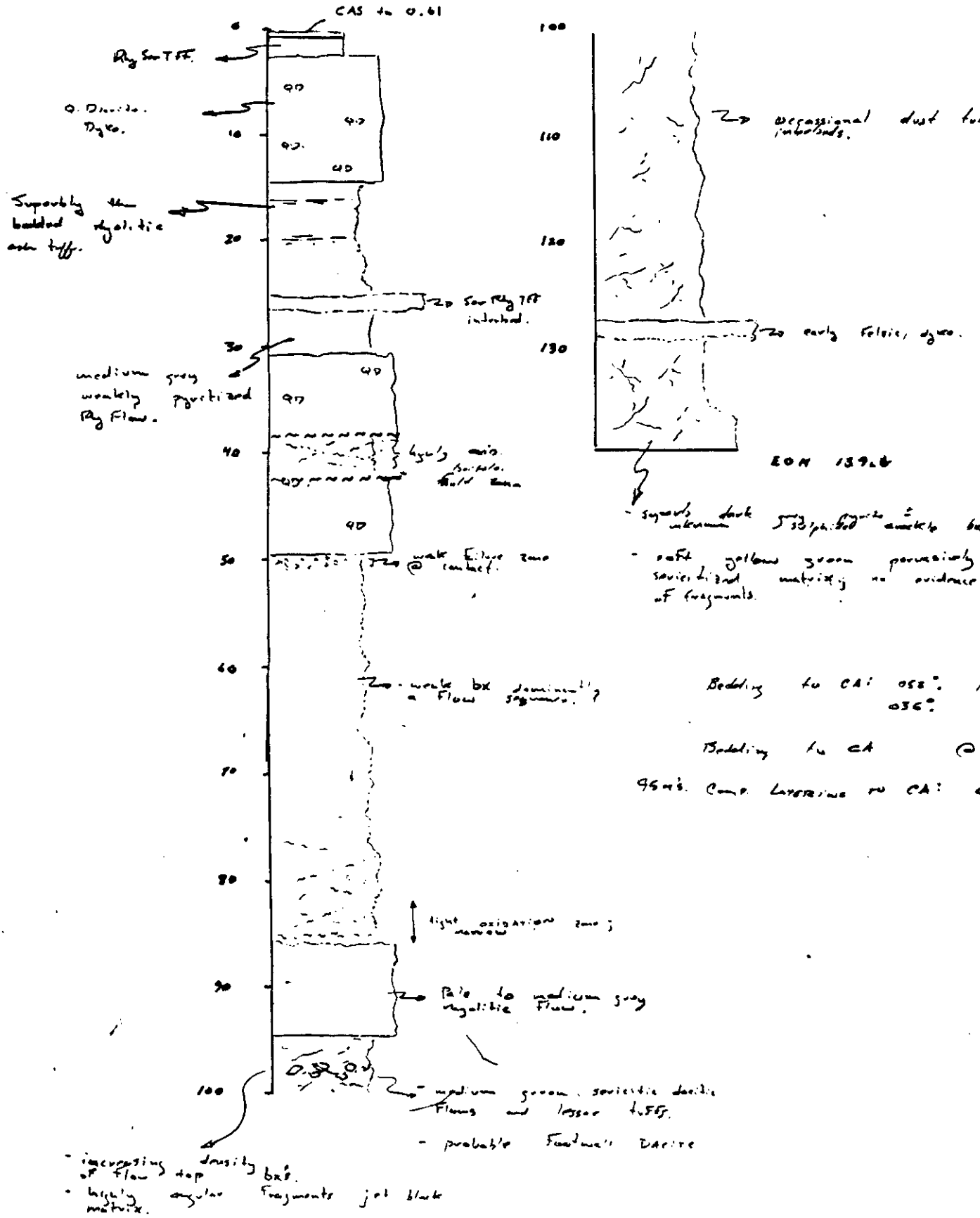
Mineralization: Trace disseminated pyrite

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 16 OF 18
		123.0 - 125.1	
		TUFFACEOUS RHYOLITE BRECCIA	
		Lithology: Hard, rhyolitic fragments with <10% dark greenish grey matrix	
		Overall - medium greenish grey	
		Structure: Uniform, 1-2 fracture/m. Dyke at upper contact, lower contact is gradational	
		Alteration: Weak sericite pervasive, slightly stronger in matrix	
		Mineralization: <1% pyrite blebs and veinlets in matrix and fractures.	
		125.1 - 130.0	
		TUFFACEOUS DACITE BRECCIA → DACITIC TUFF	
		Lithology: Dark green with dacitic fragments <1cm (20-25%) with increasing tuffaceous content lower than 126.5. Mottled Texture	
		Structure: Slightly foliated - 126.5m 50-70° to c.a.	
		129.5m 60° to c.a.	
		Alteration: Sericite: weak in fragments, moderate in tuffaceous matrix	
		Mineralization: Dark, very fine grained pyrite in veinlets or blebs in foliated tuff matrix <1%	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-90 PAGE 17 OF 18
127.4	129.1	FELDSPAR PORPHYRITIC FELSIC DYKE (6.0)
		Lithology: Pale to medium grey, massive, aphanitic but brecciated with sub angular to sub rounded crystals from 1mm to 1cm in general but up to 5cm in diameter. Fragments show a thin (0.5mm) reaction rim. Matrix of almost the same composition, slightly darker with calcite + pyrite
		Structure: Minor fracturing 1-2/m
		Alteration: Pervasive calcite alt of the matrix - moderate.
		Mineralization: 5% pyrite as blebs and veinlets in the matrix. Pyrite is dark and very fine gr.
129.1	139.6	RHYODACITIC FRAGMENTAL (3.0) +/- RHYODACITIC FLOW (3.1)
		Lithology: Medium to dark green, Dacitic fragments, pale to med green, slightly softer than rhyolite in previous intervals, fragment size varies from 1mm up to 10cm but generally ≤ 2cm. Matrix ≈ 10-20% is dark green - black and soft most likely chlorite + sericite
		Structure: Foliation, weak - 133m. 40° to c a 136.5m 55° to c a
		Alteration: Moderate pervasive sericite alt becomes very strong 135-139m.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-90 PAGE 16 OF 16
		Mineralization: 1-2% diss pyrite (dark) in black matrix	
		Pyrite veinlets <2mm wide, of irregular orientation occur lower than 138.5 m - 2-3%	
		138.8 - 139.6	
		Lithology: Medium grey, very hard, possibly autobrecciated	
		Structure: Fractured ≈10/m	
		Alteration: Weak mottled sericite	
		Limonite along fractures → pervasive 1cm on each side	
		Mineralization: Very fine pyrite in hairline fractures <1%	
		End of hole 139.6	

DDH 91-90


CAS to 0.61
Rhy Sm TFF.
Q. Diorite. Dyke.
Superbly thin bedded rhyolitic ash tuff.
Sm Rhy TFF interbed.
medium grey weakly pyritized Rhy Flow.
highly min. Bertolo. fault zone
weak Felsic zone @ contact.
weak bx dominantly a Flow segment.
light oxidation zone
Pale to medium grey rhyolitic Flow.
medium green, sericitic dacitic Flows and lesser tuffs.
- probable footwall DACITE
- increasing density of flow top bx's.
- highly angular fragments jet black matrix.
occasional dust tuff interbands.
early felsic, dyke.
EOH 139.6
- superbly unknown dark 5% disseminated sulphide bx.
- soft yellow green pervasively sericitized matrix, no evidence of fragments.
Bedding to CA: 058°. 16.5. 036°.
Bedding to CA @ 950.
95mb. Cons. Lineation to CA: 041°.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-90	11875	0.61	3.00	2.39	-	-	5	-	-	0.9	18	2	24	-	29	18	65	12290	18310
91-90	11876	3.00	5.00	2.00	-	-	13	-	-	0.4	48	3	26	-	50	5	82	48120	59350
91-90	11877	5.00	7.00	2.00	-	-	2	-	-	0.6	42	4	34	-	58	128	109	36750	66380
91-90	11878	7.00	9.00	2.00	-	-	6	-	-	0.4	49	6	63	-	54	30	71	47330	82050
91-90	11879	9.00	11.00	2.00	-	-	3	-	-	0.6	39	2	45	-	51	8	107	25160	28500
91-90	11880	11.00	13.00	2.00	-	-	18	-	-	0.4	48	1	49	-	63	4	106	33120	34920
91-90	11881	13.00	15.00	2.00	-	-	4	-	-	0.4	41	1	30	-	48	9	92	36460	27440
91-90	11882	15.00	17.00	2.00	-	-	5	-	-	0.6	13	1	23	-	8	8	58	11730	8690
91-90	11883	17.00	19.00	2.00	-	-	2	-	-	0.5	7	1	31	-	8	9	98	9280	3310
91-90	11884	19.00	21.00	2.00	-	-	2	-	-	0.7	11	1	24	-	9	12	76	10000	9610
91-90	11885	21.00	23.00	2.00	-	-	17	-	-	0.5	2	1	36	-	6	7	68	13430	3890
91-90	11886	23.00	25.00	2.00	-	-	19	-	-	0.4	26	1	20	-	18	5	35	16440	4000
91-90	11887	25.00	27.00	2.00	-	-	3	-	-	0.6	7	1	41	-	8	16	122	12260	5410
91-90	11888	27.00	29.00	2.00	-	-	1	-	-	0.8	9	1	30	-	8	20	104	10840	8220
91-90	11889	29.00	31.00	2.00	-	-	2	-	-	0.6	16	1	43	-	11	16	113	19080	9720
91-90	11890	31.00	33.00	2.00	-	-	2	-	-	0.4	34	1	34	-	42	5	84	41840	27900
91-90	11891	33.00	35.00	2.00	-	-	3	-	-	0.4	45	1	50	-	44	7	86	49170	65960
91-90	11892	35.00	37.00	2.00	-	-	1	-	-	0.7	13	1	45	-	43	1	83	58370	58870
91-90	11893	37.00	39.00	2.00	-	-	1	-	-	0.4	1	1	61	-	58	1	100	81960	9890
91-90	11894	39.00	41.00	2.00	-	-	4	-	-	0.4	42	1	48	-	43	1	86	66460	26150
91-90	11895	41.00	43.00	2.00	-	-	2	-	-	0.4	72	1	60	-	52	1	112	57520	34060
91-90	11896	43.00	45.00	2.00	-	-	2	-	-	0.5	62	1	68	-	43	6	88	40940	79720
91-90	11897	45.00	47.00	2.00	-	-	3	-	-	0.7	45	1	59	-	48	6	71	34990	71240
91-90	11898	47.00	49.00	2.00	-	-	2	-	-	0.4	36	1	31	-	48	3	77	53210	60860
91-90	11899	49.00	51.00	2.00	-	-	1	-	-	0.4	30	1	41	-	18	7	36	23820	2710
91-90	11900	51.00	53.00	2.00	-	-	6	-	-	0.4	44	1	30	-	10	8	23	58360	620
91-90	11901	53.00	55.00	2.00	-	-	3	-	-	0.4	16	2	30	-	6	18	71	16110	1390
91-90	11902	55.00	57.00	2.00	-	-	1	-	-	0.5	12	1	25	-	7	21	111	14110	1280
91-90	11903	57.00	59.00	2.00	-	-	4	-	-	0.8	12	1	18	-	8	21	95	9190	8670
91-90	11904	59.00	61.00	2.00	-	-	2	-	-	0.8	11	1	23	-	9	23	91	11430	10560
91-90	11905	61.00	63.00	2.00	-	-	2	-	-	5.9	37	6	155	-	4731	28	90	72950	23800
91-90	11906	63.00	65.00	2.00	-	-	3	-	-	7.2	77	1	129	-	4377	22	99	110460	13910
91-90	11907	65.00	67.00	2.00	-	-	2	-	-	2.5	1	1	47	-	615	12	37	22700	35260
91-90	11908	67.00	69.00	2.00	-	-	2	-	-	1.6	1	1	73	-	323	9	48	34380	28140
91-90	11909	69.00	71.00	2.00	-	-	4	-	-	1.1	1	1	65	-	516	12	60	45130	13340
91-90	11910	71.00	73.00	2.00	-	-	3	-	-	0.5	1	1	295	-	264	17	88	41220	15770
91-90	11911	73.00	75.00	2.00	-	-	2	-	-	0.4	10	1	317	-	341	14	83	54420	12390
91-90	11912	75.00	77.00	2.00	-	-	1	-	-	0.5	11	1	236	-	178	16	109	48640	11770
91-90	11913	77.00	79.00	2.00	-	-	3	-	-	0.5	5	1	439	-	213	22	114	48350	15660
91-90	11914	79.00	81.00	2.00	-	-	1	-	-	0.7	1	1	507	-	202	16	89	54810	12140
91-90	11915	81.00	83.00	2.00	-	-	1	-	-	0.5	12	1	341	-	612	8	97	63780	12200
91-90	11916	83.00	85.00	2.00	-	-	2	-	-	0.2	13	1	511	-	231	22	98	55600	11250
91-90	11917	85.00	87.00	2.00	-	-	2	-	-	1.0	3	1	470	-	383	19	99	45470	17240
91-90	11918	87.00	89.00	2.00	-	-	3	-	-	0.9	12	1	222	-	362	13	87	50440	14080
91-90	11919	89.00	91.00	2.00	-	-	5	-	-	0.8	20	1	212	-	462	17	85	53960	17870
91-90	11920	91.00	93.00	2.00	-	-	2	-	-	0.5	168	1	303	-	453	13	88	58720	13430
91-90	11921	93.00	95.00	2.00	-	-	2	-	-	1.1	66	1	433	-	467	20	106	54120	17440
91-90	11922	95.00	97.00	2.00	-	-	1	-	-	0.4	80	1	145	-	342	15	118	57310	12130
91-90	11923	97.00	99.00	2.00	-	-	3	-	-	0.7	44	1	159	-	190	24	116	38880	23780
91-90	11924	99.00	101.00	2.00	-	-	1	-	-	1.1	10	1	86	-	82	20	78	15730	17610
91-90	11925	101.00	103.00	2.00	-	-	2	-	-	0.6	17	1	437	-	199	25	119	37460	18860

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-90	11926	103.00	105.00	2.00	-	-	4	-	-	0.4	13	1	400	-	196	18	127	54930	13820
91-90	11927	105.00	107.00	2.00	-	-	1	-	-	0.7	6	1	392	-	129	21	127	55980	13720
91-90	11928	107.00	109.00	2.00	-	-	2	-	-	0.5	16	1	352	-	124	29	149	61460	13810
91-90	11929	109.00	111.00	2.00	-	-	9	-	-	0.6	15	1	322	-	161	23	239	64170	12140
91-90	11930	111.00	113.00	2.00	-	-	2	-	-	0.2	46	1	291	-	171	22	271	63630	10550
91-90	11931	113.00	115.00	2.00	-	-	5	-	-	0.4	63	1	217	-	134	18	231	67930	9120
91-90	11932	115.00	117.00	2.00	-	-	3	-	-	0.4	27	1	276	-	134	25	209	56230	10450
91-90	11933	117.00	119.00	2.00	-	-	1	-	-	0.2	51	1	207	-	88	13	267	57920	6460
91-90	11934	119.00	121.00	2.00	-	-	2	-	-	0.2	28	1	297	-	76	13	168	51350	7530
91-90	11935	121.00	123.00	2.00	-	-	1	-	-	0.8	40	5	55	-	27	27	82	27390	27370
91-90	11936	123.00	125.00	2.00	-	-	3	-	-	0.8	23	3	48	-	8	35	115	11050	24780
91-90	11937	125.00	127.00	2.00	-	-	1	-	-	0.9	20	3	81	-	5	28	114	14420	24180
91-90	11938	127.00	129.00	2.00	-	-	2	-	-	0.3	35	4	74	-	30	19	72	43660	59850
91-90	11939	129.00	131.00	2.00	-	-	1	-	-	0.7	24	3	110	-	11	26	99	19550	17350
91-90	11940	131.00	133.00	2.00	-	-	1	-	-	0.6	23	2	117	-	6	27	105	12210	8730
91-90	11941	133.00	135.00	2.00	-	-	2	-	-	0.5	26	4	112	-	7	28	110	12130	7160
91-90	11942	135.00	137.00	2.00	-	-	4	-	-	0.7	19	4	118	-	7	32	117	14650	8330
91-90	11943	137.00	139.60	2.60	-	-	1	-	-	0.8	22	3	69	-	7	24	78	18320	34050

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ67+68
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11862	.4	1170	30	1	15	.5	2	1450	.1	1	19	7370	850	1	210	70	3	400	1	10	22	1	4	1	43	1.0	109	1	1	5	108	2	
11863	.3	4310	31	1	17	1.3	2	2010	.1	1	16	10690	2140	4	1010	160	4	290	1	10	33	2	3	2	76	1.2	179	4	1	6	138	1	
11864	.4	2010	37	5	14	.5	1	7670	.1	1	11	8540	1140	3	360	204	6	490	1	10	29	1	9	1	48	1.6	93	1	1	8	194	3	
11865	.4	5090	104	4	17	1.7	2	8220	.1	3	13	30200	2210	5	1150	272	1	310	1	10	112	1	9	1	72	1.2	106	2	1	4	82	5	
11866	.3	6520	19	2	22	1.9	2	1780	.1	2	4	14070	2520	6	1260	220	5	350	1	10	15	1	3	1	96	1.0	107	4	1	8	174	1	
11867	.5	6730	30	1	17	1.2	1	6620	.1	2	5	16200	2310	7	1520	287	2	180	1	10	29	1	5	2	101	1.1	91	5	1	3	62	2	
11868	.3	3390	32	1	15	.8	1	3340	.1	1	13	8950	1350	2	560	138	4	480	1	10	24	1	3	1	79	.8	94	3	1	8	186	1	
11869	.4	3850	25	1	20	1.6	1	2990	.1	1	12	9240	1760	2	670	140	1	440	1	10	25	1	5	1	77	1.2	153	3	1	6	132	1	
11870	.2	5720	20	1	19	1.6	2	2090	.1	2	8	11540	2310	5	1430	173	4	200	1	10	18	1	4	1	103	1.4	98	4	1	8	191	1	
11871	.4	3100	24	1	17	1.5	1	3610	.1	1	6	6850	1420	2	530	124	1	410	2	10	19	1	4	1	79	.9	67	3	1	6	138	2	
11872	.4	3190	21	1	17	1.6	1	4030	.1	1	8	7460	1330	2	620	145	4	400	1	10	20	1	4	1	75	.9	83	3	1	5	121	1	
11873	.3	5100	11	1	17	2.6	1	1890	.1	1	7	10300	1960	4	1090	188	1	440	1	10	19	1	4	1	104	.8	114	4	1	6	134	2	
11874	.3	3740	25	1	18	1.6	1	8050	.1	1	7	9210	1630	3	880	347	3	290	1	10	16	1	13	1	74	.8	88	3	1	4	98	2	
11875	.9	3820	18	3	24	.9	1	18310	.1	5	29	12290	1520	4	1560	260	5	320	7	200	18	2	20	1	71	19.1	65	1	1	7	164	5	
11876	.4	14900	48	4	26	1.2	4	59350	.1	32	50	48120	2910	21	10010	1257	1	230	44	1190	5	3	39	1	254	137.5	82	2	1	7	158	13	
11877	.6	11030	42	2	34	.8	3	66380	.1	35	58	36750	3190	13	6290	1058	2	260	56	1390	128	4	56	1	275	104.8	109	2	1	7	134	2	
11878	.4	14440	49	3	63	.7	4	82050	.1	36	54	47330	4600	17	8700	1388	1	240	53	1420	30	6	62	1	254	120.3	71	3	1	7	143	6	
11879	.6	11440	39	1	45	.8	2	28500	.1	36	51	25160	4880	7	3360	599	2	520	62	1340	8	2	50	1	345	102.2	107	1	1	6	127	3	
11880	.4	11610	48	1	49	1.0	2	34920	.1	39	63	33120	4750	8	3560	824	1	450	66	1420	4	1	40	1	322	100.9	106	1	1	7	143	18	
11881	.4	9950	41	1	30	.9	1	27440	.1	35	48	36460	3290	9	3820	620	1	340	57	1250	9	1	27	1	139	101.1	92	1	1	6	120	4	
11882	.6	5810	13	1	23	2.8	1	8690	.1	2	8	11730	2410	4	1630	247	6	250	2	40	8	1	8	2	57	6.1	58	1	1	7	185	5	
11883	.5	5430	7	1	31	3.6	1	3310	.1	2	8	9280	2720	4	1330	82	6	220	1	60	9	1	4	3	67	4.1	98	2	1	4	115	2	
11884	.7	5930	11	1	24	3.9	1	9610	.1	2	9	10000	2470	5	2030	156	6	260	1	70	12	1	10	5	77	4.4	76	2	1	6	145	2	
11885	.5	12590	2	1	36	3.9	1	3890	.1	3	6	13430	4680	11	4670	151	8	180	1	60	7	1	5	5	100	10.0	68	4	1	5	115	17	
11886	.4	5970	26	1	20	1.1	1	4000	.1	13	18	16440	2010	5	2360	107	6	450	25	410	5	1	7	1	70	41.2	35	1	1	9	231	19	
11887	.6	14070	7	1	41	3.8	1	5410	.1	2	8	12260	5750	12	5980	111	6	60	3	20	16	1	6	5	74	3.6	122	3	1	6	154	3	
11888	.8	10540	9	1	30	3.0	1	8220	.1	2	8	10840	3740	11	5820	136	6	130	1	20	20	1	9	4	57	1.9	104	4	1	6	165	1	
11889	.6	15490	16	1	43	3.7	1	9720	.1	6	11	19080	4930	15	8410	184	2	140	5	130	16	1	9	4	80	14.3	113	4	1	6	152	2	
11890	.4	8380	34	1	34	.6	1	27900	.1	33	42	41840	2790	8	3910	544	2	400	40	1140	5	1	27	1	429	100.6	84	1	1	7	158	2	
11891	.4	13140	45	1	50	.6	4	65960	.1	31	44	49170	3320	15	7900	1523	1	260	35	1130	7	1	41	1	710	128.9	86	1	1	7	164	3	
11892	.7	20620	13	1	45	.1	12	58870	.1	34	43	58370	2190	33	17860	1310	1	260	26	1000	1	1	27	1	2923	188.1	83	1	1	9	183	1	
11893	.4	28470	1	3	61	.1	12	9890	.1	47	58	81960	2700	39	19340	684	1	400	32	1200	1	1	10	1	3237	259.9	100	1	1	11	242	1	
11894	.4	14480	42	2	48	.1	8	26150	.1	45	43	66460	2650	21	10320	916	1	370	37	1260	1	1	21	1	1971	164.8	86	1	1	10	197	4	
11895	.4	9760	72	4	60	.8	1	34060	.1	42	52	57520	3790	7	4020	971	1	250	41	1420	1	1	23	1	291	98.1	112	1	1	5	107	2	
11896	.5	10650	62	1	68	.3	4	79720	.1	32	43	40940	3700	11	6650	1738	1	300	37	1220	6	1	55	1	428	110.9	88	3	1	6	125	2	
11897	.7	10150	45	1	59	.5	5	71240	.1	37	48	34990	3570	9	5210	1446	1	340	48	1210	6	1	55	1	720	115.7	71	2	1	7	128	3	
11898	.4	19590	36	1	31	.6	3	60860	.1	37	48	53210	2780	30	15200	1389	1	260	44	1100	3	1	42	1	411	190.6	77	1	1	8	170	2	
11899	.4	5200	30	1	41	.5	1	2710	.1	8	18	23820	1940	3	1480	165	6	420	9	320	7	1	5	1	184	40.3	36	1	1	11	265	1	
11900	.4	2410	44	1	30	.5	1	620	.1	6	10	58360	1800	1	260	560	6	220	1	50	8	1	2	1	30	3.8	23	1	1	4	136	6	
11901	.4	4850	16	1	30	2.5	1	1390	.1	3	6	16110	3050	2	1920	235	6	170	1	30	18	2	3	3	51	2.1	71	1	1	8	207	3	
11902	.5	6710	12	1	25	2.6	1	1280	.1	2	7	14110	3270	5	2450	200	2	80	1	30	21	1	2	5	73	2.6	111	2	1	3	74	1	
11903	.8	2550	12	1	18	1.2	1	8670	.1	1	8	9190	900	2	2070	254	4	500	1	30	21	1	11	5	48	2.2	95	1	1	6	161	4	
11904	.8	4910	11	1	23	1.8	1	10560	.1	1	9	11430	1650	5	2000	321	2	360	1	10	23	1	9	6	60	1.5	91	3	1	4	103	2	
11905	5.9	39310	37	23	155	1.5	8	23800	.1	48	4731	72950	1550	31	17000	1264	6	730	1	1390	28	6	116	4	1200	99.1	90	1	5	9	23	2	
11906	7.2	32230	77	15	129	.5	10	13910	.1	56	4377	110460	1820	21	14270	1053	21	790	1	1650	22	1	75	1	1150	106.7	99	1	3	19	11	3	
11907	2.5	56980	1	5	47	1.0	5	35260	.1	11	615	22700	1310	10	5310	620	1	1280	1	690	12	1	177	3	406	37.0	37	4	2	1	7	2	
11908	1.6	50050	1	2	73	.9	7	28140	.1	13	323	34380	1270	13	10690	806	1	1030	1	900	9	1	153	2	762	66.0	48	3	1	2	10	2	
11909	1.1	32190	1	2	65	.6	9	13340	.1	20	516	45130	3790	13	12900	1027	1	830	1	930	12	1	48	1	1472	85.8	60	1	2	2	9	4	
11910	.5	28410	1	3	295	.4	10	15770	.1	19	264	41220	2050	12	10300	1457	2	2320	8	1500	17	1	73	1	1282	110.6	88	1	1	2	21	3	
11911	.4	36960	10	1	317	.4	10	12390	.1	24	341	54420	1490	16	15380	1389	1	1130	10	1310	14	1	75	1	1665	133.8	83	1	1	3	28	2	
11912	.5	32880	11	1	236	.6	9	11770	.1	21	178	48640	1280	15	12450	1037	1	1740	12	1320	16	1	61	1	1553	124.7	109	3	1	3	28	1	
11913	.5	33590	5	1	439	.8	8	15660	.1	25	213	48350	1540	12	11990	2000	1	2110	12	2030	22	1	68	1	1001	117.7	114	2	1	2	27	3	
11914	.7	30070	1	1	507	.7	10	12140	.1	33	202	54810	1210	13	11320	2267	2	1720	14	1490	16	1	65	1	1692	141.4	89	1	2	3	32	1	
11915	.5	40310	12	1	341	.7	10	12200	.1	37	612	63780	1410	17	16940	1012	6	1700	22	1360	8	1	85	1	2037	166.1	97	1	2	3	58	1	
11916	.2	31340	13	1	511	.6	10	11250	.1	33	231	55600	1170	16	11460	2981	4	1690	18	1680	22	1	58	1	1738	139.0	98	1	1	3	41	2	
11917	1.0	24110	3	1	470	.3	8	17240	.1	30	383	45470	1480	10	10470	2785	1	1730	32	1890	19	1	68	1	1427	124.3	99	1	1	3	45	2	

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COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ69+70
DATE: 91/10/17
* ROCK * (ACT:F31)

91-90

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11918	.9	27800	12	1	222	.5	10	14080	.1	29	362	50440	1560	16	19370	1530	1	1670	57	1560	13	1	50	1	1971	141.8	87	1	1	5	107	3	
11919	.8	36020	20	1	212	.4	11	17870	.1	31	462	53960	1900	16	17200	1938	1	1880	20	1530	17	1	86	1	2076	155.9	85	1	1	3	47	5	
11920	.5	36970	168	1	303	.6	12	13430	.1	43	453	58720	1530	17	17880	1213	1	1080	27	1550	13	1	82	1	2102	164.2	88	1	2	3	48	2	
11921	1.1	30190	66	1	433	.4	10	17440	.1	40	467	54120	1740	15	18780	2063	1	1450	25	2240	20	1	70	1	1953	156.3	106	1	1	3	58	2	
11922	.4	36630	80	1	145	.7	11	12130	.1	39	342	57310	1200	19	13320	1929	1	1610	18	1420	15	1	53	1	1788	157.6	118	1	2	3	32	1	
11923	.7	27860	44	1	159	.7	7	23780	.1	45	190	38880	1510	10	8810	2687	1	1260	21	2550	24	1	84	1	1048	114.8	116	1	2	2	25	3	
11924	1.1	8840	10	1	86	.1	2	17610	.1	21	82	15730	790	3	3360	1289	1	2670	10	1150	20	1	75	1	438	40.9	78	1	1	1	13	1	
11925	.6	21420	17	1	437	.1	7	18860	.1	22	199	37460	1790	10	7320	2758	1	2280	11	2360	25	1	49	1	1221	101.2	119	1	1	2	24	2	
11926	.4	33620	13	1	400	.2	12	13820	.1	26	196	54930	1890	17	11180	3395	1	1180	10	1410	18	1	45	1	2157	142.8	127	1	2	3	24	4	
11927	.7	30850	6	1	392	.3	14	13720	.1	26	129	55980	1820	17	9580	3946	1	1170	13	1630	21	1	42	1	2539	135.3	127	1	2	3	36	1	
11928	.5	30350	16	1	352	.1	14	13810	.1	28	124	61460	1890	20	8970	3010	1	3300	6	1430	29	1	40	1	2854	164.4	149	1	2	3	33	2	
11929	.6	34300	15	1	322	.4	14	12140	.1	28	161	64170	1570	21	9220	3120	1	1260	5	1390	23	1	32	1	2887	154.2	239	2	3	3	30	9	
11930	.2	31290	46	1	291	.6	12	10550	.1	31	171	63630	1560	18	8090	3176	1	970	4	1360	22	1	30	1	2429	150.9	271	2	2	3	29	2	
11931	.4	29240	63	1	217	.1	14	9120	.1	30	134	67930	1760	21	7870	2389	2	840	1	980	18	1	28	1	3006	154.9	231	2	3	3	31	5	
11932	.4	26940	27	9	276	.1	13	10450	.1	26	134	56230	1810	18	7140	2032	6	2740	3	600	25	1	33	1	2659	150.8	209	2	2	3	29	3	
11933	.2	30860	51	1	207	.5	9	6460	.1	22	88	57920	1830	24	8670	659	12	720	8	600	13	1	22	1	1666	151.2	267	2	1	2	33	1	
11934	.2	33010	28	1	297	1.2	8	7530	.1	19	76	51350	1860	21	7960	746	1	800	36	680	13	1	21	1	1249	95.7	168	2	2	2	35	2	
11935	.8	14680	40	12	55	1.6	4	27370	.1	19	27	27390	3070	23	12590	687	3	360	30	670	27	5	31	1	82	91.8	82	6	2	11	218	1	
11936	.8	9960	23	8	48	1.8	3	24780	.1	2	8	11050	2670	15	9170	377	7	330	3	50	35	3	33	1	62	4.6	115	5	1	9	213	3	
11937	.9	19450	20	6	81	3.0	4	24180	.1	2	5	14420	5890	25	17380	397	4	120	1	50	28	3	26	2	77	4.0	114	7	1	5	98	1	
11938	.3	18380	35	7	74	1.5	4	59850	.1	25	30	43660	4640	29	18850	1035	1	310	26	590	19	4	63	1	78	98.5	72	5	1	6	106	2	
11939	.7	25660	24	7	110	3.7	3	17350	.1	5	11	19550	8280	29	20780	348	8	100	2	80	26	3	20	1	67	10.5	99	7	1	6	123	1	
11940	.6	24550	23	8	117	3.6	3	8730	.1	2	6	12210	9140	25	16540	162	6	80	1	50	27	2	10	2	62	3.3	105	8	1	4	76	1	
11941	.5	21740	26	8	112	3.3	3	7160	.1	2	7	12130	8560	21	14840	138	10	110	2	40	28	4	9	2	57	3.3	110	8	1	9	198	2	
11942	.7	25090	19	6	118	3.6	4	8330	.1	2	7	14650	8840	24	17700	186	3	80	1	40	32	4	9	3	68	3.0	117	8	2	4	85	4	
11943	.8	12220	22	5	69	2.0	3	34050	.1	4	7	18320	4190	14	15340	551	6	100	3	50	24	3	41	1	36	7.9	78	6	1	5	113	1	
11944	2.4	15570	31	19	24	.1	14	57590	.1	34	50	44790	970	49	14070	1047	1	240	39	1210	19	4	25	1	2466	159.2	90	5	5	11	175	10	
11945	1.3	10690	34	9	24	.5	8	36100	.1	29	51	28590	1240	24	7650	862	1	940	44	1830	18	3	21	1	1103	122.0	93	5	2	8	130	6	
11946	1.3	9370	32	6	25	.5	7	60220	.1	28	49	28720	1640	20	6590	1112	1	730	45	1580	18	3	31	1	991	106.4	87	5	1	6	111	12	
11947	.4	7670	31	3	24	.9	4	7630	.1	9	15	23640	970	14	4510	438	4	780	10	250	14	2	4	1	398	20.7	52	3	1	6	144	3	
11948	.3	3510	18	2	27	.6	1	7520	.1	4	7	14290	1080	6	1620	327	3	610	3	60	16	2	5	1	60	6.8	57	2	1	6	148	1	
11949	.1	4450	27	2	45	1.7	1	5280	.1	7	12	23200	1210	6	1940	244	7	680	5	180	21	2	3	1	36	14.7	48	2	1	5	125	2	
11950	.2	3480	17	1	43	1.2	2	660	.1	2	5	10360	1010	5	1380	73	4	540	2	40	10	1	1	1	29	3.6	22	3	1	6	147	1	
11951	.4	5840	18	1	43	1.3	2	790	.1	2	6	9740	1350	8	2930	80	3	590	1	20	34	1	2	2	44	2.3	54	4	1	5	121	1	
11952	.3	4610	14	1	14	.8	1	220	.1	1	6	8510	440	8	2940	80	4	830	3	10	28	1	2	2	51	1.7	36	4	1	5	126	1	
11953	.5	5230	19	1	33	1.3	2	2610	.1	2	6	8250	1270	8	2840	91	4	810	2	20	31	1	3	1	46	1.5	73	4	1	5	115	3	
11954	.7	5040	17	1	48	1.9	2	1470	.1	2	4	7320	1340	7	2660	75	1	80	3	20	23	2	2	1	24	1.5	94	5	1	2	51	1	
11955	.2	6400	34	1	44	2.1	2	8810	.1	14	25	24140	1800	8	2950	222	6	420	17	550	22	2	11	1	101	51.9	88	3	1	8	155	2	
11956	.2	9190	41	1	86	1.1	2	7260	.1	31	42	24170	2550	11	4130	175	3	370	46	1320	15	3	11	1	174	76.1	121	4	1	7	142	1	
11957	.5	8860	16	1	55	2.8	2	7030	.1	4	7	12050	2530	12	4960	143	2	160	6	60	21	1	9	2	59	7.0	151	6	1	3	70	3	
11958	1.0	8360	21	1	48	1.3	4	26660	.1	12	16	17560	1850	12	5340	702	2	270	15	410	21	1	19	1	479	38.9	85	4	1	5	111	5	
11959	.9	12290	25	1	77	.7	3	18260	.1	16	23	28180	1600	21	8490	637	4	660	18	550	18	1	13	1	359	54.3	95	5	1	7	157	1	
11960	.5	9530	16	1	58	4.4	2	2300	.1	3	7	13020	2840	13	5730	123	1	50	2	40	23	1	3	1	33	3.6	168	6	1	3	69	2	
11961	.1	7830	43	1	29	.4	2	6860	.1	32	46	34600	1230	12	5120	207	5	490	43	1440	20	2	10	1	98	96.9	91	3	1	7	145	1	
11962	.3	6350	48	1	24	.4	2	9100	.1	35	38	24020	1360	9	3510	235	3	430	49	1490	12	3	14	1	71	75.4	106	3	1	7	166	1	
11963	.5	8250	33	1	74	3.0	2	11710	.1	18	23	16550	2380	10	4210	296	2	300	29	800	17	3	8	1	42	38.3	146	4	1	4	99	1	
11964	.5	6440	26	1	140	3.1	2	1460	.1	5	8	12210	2120	8	2650	126	5	220	9	60	28	2	3	1	29	5.4	124	4	1	5	119	1	
11965	.7	4360	18	1	37	1.1	2	7210	.1	2	6	10070	1170	6	2490	174	4	300	2	20	23	2	5	1	31	2.7	90	5	1	5	132	1	
11966	.5	3920	38	1	40	1.7	2	4120	.1	2	8	11330	1620	4	1960	126	3	1210	1	10	34	2	4	2	36	2.3	115	3	1	5	110	1	
11967	.4	5760	22	1	62	2.3	1	3860	.1	2	8	13050	1700	8	3070	126	4	730	1	10	33	1	4	3	38	4.1	109	5	1	3	78	1	
11968	.5	4990	17	1	62	1.7	2	2140	.1	2	7	9310	1800	6	2270	75	3	660	1	10	30	2	3	3	38	1.3	133	5	1	4	104	1	
11969	.5	5600	15	1	55	1.0	2	1310	.1	2	6	11130	1580	6	2900	63	2	270	1	20	22	2	2	2	37	1.9	65	5	1	4	84	1	
11970	.7	13740	30	1	66	.9	4	15600	.1	17	26	28720	1950	23	11720	524	3	740	19	600	19	1	12	1	320	80.9	77	6	1	7	147	1	
11971	3.7	6670	68	9	76	.2	1	14120	18.2	13	108	48770	2430	6	6610	721	10	600	34	1180	35	8	36	1	17	68.4	869	1	1	2	32	3	1000
11972	1.9	7120	54	8	87	.3	2	18720	3.3	12	85	47850	2750	8	9640	787	2	610	30	700	32	4	40	1	15	67.0	398	2	1	2	25	16	1355
11973	1.4	9970	48	8	121	.1	1	13160	.1	11	75	45020	4060	11	7120	618	2	750	20	2090	31	2	35	1	24	73.6	257	3	1	2	27	16	1035

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-91
PAGE 1 OF 5

TESTS

Meterage	Dip	Azimuth
0	-57°	260°

COLLAR SURVEY:

Northing: 11337.55
Easting: 9686.55
Elevation: 1337.92
Azimuth: 259°
Dip: -56.5
IP Grid Coordinates: 11401N / 9694E
11385N actual Northing - grid line offset 16m south.

CORE BQTW
Section: 11330N / 11380N
Date Started: Aug 6/91
Date Finnished: Aug 7/91
Date Logged: Aug 9/1

Total Depth: 58.5
Casing Depth 3.0
Casing Left In: YES
Logged By: M. ARCHAMBAULT
Comments: Hole abandoned due to loss of circulation, too close to cliff.

SAMPLE NUMBERS
11944 To 11970
To

Dave use 11385N

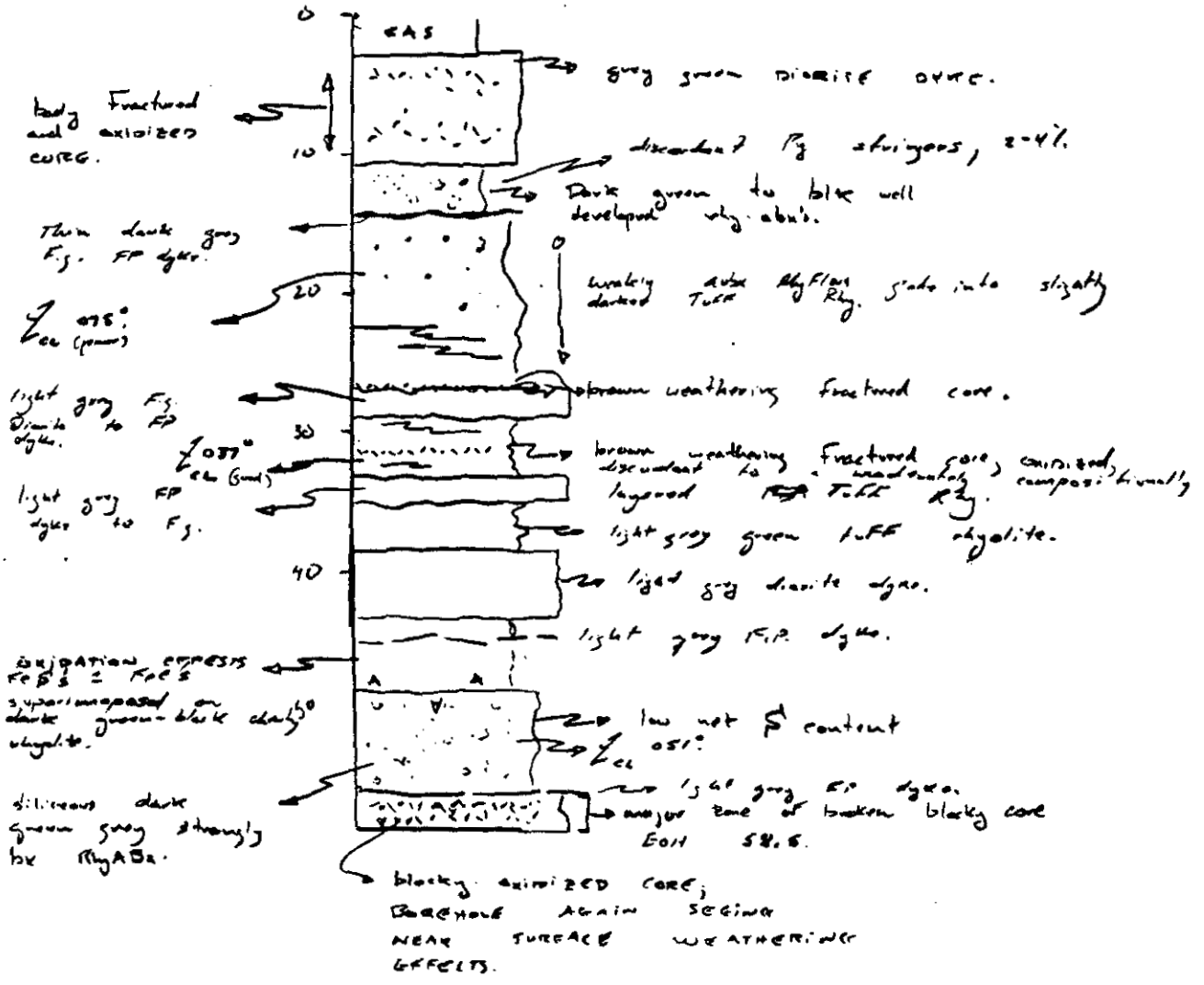
METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	3.0	OVERBURDEN
3.0	11.3	DIORITE DYKE (6.1)
		Lithology: Massive, fine grained, equigranular, medium grey Approximately 55% feldspar, 40% mafics and 5% calcite
		Structure: Most of the interval is very fractured, weathered with limonite leaching the textures Alteration: Limonite = pervasive - destroys most of the interval Calcite = pervasive, approximately 5%, disseminated
		Mineralization: Trace of disseminated pyrite, pyrite = 1-2% as veinlets in hairline fractures
11.3	26.7	GREEN-BLACK RHYOLITIC FLOW (3.2)
		Lithology: Medium grey, hard, weak foliation to crackle brecciated

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-91 PAGE 2 OF 5
		Structure: Crackle brecciated from 12.0 m - 15.7 m	
		Tectonic brecciation and strong fracturing 17.2 - 17.8 m. at 30° - 70° to c.a.	
		and strongly foliated 17.8 - 18.3 m and 20.25 - 20.4 - Small tuffaceous component	
		Auto brecciated 23.2 - 24 m	
		Alteration: Moderate pervasive silicification from 18.3 - 22.5 → bleached brownish colour, mottled	
		with quartz veinlets 1-5 mm wide which contacts are diffuse	
		Pervasive limonite up to 2 cm wide along fractures	
		Mineralization: Pyrite veinlets around fragments of crackle brecciated section 12.0 - 15.7 - 2-3%	
		Trace pyrite in narrow fractures 15.7 - 24.8	
		15.2 - 15.45 Massive diorite dyke as 3.0 - 11.3 m.	
		24.8 - 25.8 RHYOLITE TUFF	
		Lithology: Mottled medium grey, foliated	
		Structure: Foliated 65° to c.a. Fractures ≈10/m.	
		Alteration: Limonite on fractures - pervasive up to 5 cm each side of fracture	
		Weak sericite to moderate in preferential layers	
		Mineralization: Absent	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-91 PAGE 3 OF 5
26.7	29.7	DIORITE DYKE (6.1)
		Lithology: Medium grey, massive, aphanitic to very fine grained, similar to previous dyke
		Structure: Brecciated within 20 cm of each contact Fractured 8/m
		Alteration: Trace of pervasive calcite limonite alt. pervasive up to 1cm each side of the fractures
		Mineralization: 2% pyrite veinlets <1mm wide - appears to be in cracking
29.7	38.1	TUFFACEOUS RHYOLITE (3.9)
		29.7 - 46.2
		Lithology: Medium grey/medium green, foliated, + mottled, hard and soft laminations
		Structure: Fractured 10/m.
		Alteration: Strong sericite alt of the tuff layers 29.8 - 31 3 quartz (sericite) veinlets 2 m - 1cm wide 20° to core axis slightly diffuse contacts Bleached to pale brownish beige 42.7 to 44.9m and 45.3 - 46.2
		Mineralization: Absent

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-91 PAGE 4 OF 5
33.4	35.0	DIORITE DYKE (6.1)
38.1	42.7	
		35.4 - 36.2 DIORITE DYKE BRECCIA
		44.9 - 45.3 SILICEOUS BRECCIA
		Lithology: Dark grey to black, aphanitic, very hard
		Structure: Sharp, irregular contacts Upper 40° to c.a.
		Lower 35° to c.a.
		Brecciation: angular fragments in a quartz matrix (25%)
		Alteration: Silicification - 25% breccia matrix 44.9 - 45.3 - 10%
		Mineralization: Absent
42.7	44.0	GREEN-BLACK RHYOLITIC FLOW (3.2) +/- RHYODACITIC FLOW - SERICITE (3.1a)
44.0	48.1	RHYODACITIC FLOW - SERICITE (3.1a)
		46.2 - 48.1 Lithology: Pale grey, aphanitic, very hard, massive to mottled
		Structure: Fractured ≈10/m
		Alteration: Limonite along fractures up to 2 cm each side
		Mineralization: Absent

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-91 PAGE 5 OF 5
48.1	58.5	GREEN - BLACK RHYOLITIC FLOW (3.2) ?- RHYODACITIC FLOW (3.1)
		Lithology: Rhyolite fragments (70%) in a black, soft, matrix (30%) - chlorite?
		Fragments are <1 mm to 2 cm in diameter, sub angular to sub rounded, very hard
		generally <1 cm.
		Structure: Fractured 8-10/m.
		55.5-58.5 very fractured and weathered 20-30/m.
		Alteration: Pervasive sericite alteration of the fragments, weak to moderate
		Pervasive limonite alt along fractures 2 cm each side and bleaching 54.2-58.5
		Mineralization: Trace dis pyrite, mainly in matrix
		56.5 - 57.4 DIORITE DYKE (6.1) as 26.7 - 29.7 Most of the pyrite and carbonate is leached out
		End of hole 58.5


0
CAS
10
20
30
40
grey green diorite dyke.
badly fractured and axidized core.
discordant Fg stringers, 2-4%.
Dark green to blue well developed vlg. abn's.
Thin dark grey Fg. FP dyke.
weakly altered Tuff Rhy Flow Rhy. grade into slightly
brown weathering fractured core.
light grey Fg Diorite dyke.
brown weathering fractured core, mineralized, compositionally layered Tuff Rhy.
light grey FP dyke to Fg.
light grey green tuff chlorite.
light grey diorite dyke.
light grey FP dyke.
OXIDATION EFFECTS FeS2 = FeS superimposed on dark green-black chlorite.
low not % content
light grey FP dyke.
siliceous dark green grey strongly bx RhyABx.
major zone of broken blocky core
EOH 58.5.
blocky axidized core; BOREHOLE AGAIN SEEING NEAR SURFACE WEATHERING EFFECTS.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-91	11944	3.00	5.00	2.00	-	-	10	-	-	2.4	31	4	24	-	50	19	90	44790	57590
91-91	11945	5.00	8.00	3.00	-	-	6	-	-	1.3	34	3	24	-	51	18	93	28590	36100
91-91	11946	8.00	10.00	2.00	-	-	12	-	-	1.3	32	3	25	-	49	18	87	28720	60220
91-91	11947	10.00	12.00	2.00	-	-	3	-	-	0.4	31	2	24	-	15	14	52	23640	7630
91-91	11948	12.00	14.00	2.00	-	-	1	-	-	0.3	18	2	27	-	7	16	57	14290	7520
91-91	11949	14.00	16.00	2.00	-	-	2	-	-	0.1	27	2	45	-	12	21	48	23200	5280
91-91	11950	16.00	18.00	2.00	-	-	1	-	-	0.2	17	1	43	-	5	10	22	10360	660
91-91	11951	18.00	20.00	2.00	-	-	1	-	-	0.4	18	1	43	-	6	34	54	9740	790
91-91	11952	20.00	22.00	2.00	-	-	1	-	-	0.3	14	1	14	-	6	28	36	8510	220
91-91	11953	22.00	24.00	2.00	-	-	3	-	-	0.5	19	1	33	-	6	31	73	8250	2610
91-91	11954	24.00	26.00	2.00	-	-	1	-	-	0.7	17	2	48	-	4	23	94	7320	1470
91-91	11955	26.00	28.00	2.00	-	-	2	-	-	0.2	34	2	44	-	25	22	88	24140	8810
91-91	11956	28.00	30.00	2.00	-	-	1	-	-	0.2	41	3	86	-	42	15	121	24170	7260
91-91	11957	30.00	32.00	2.00	-	-	3	-	-	0.5	16	1	55	-	7	21	151	12050	7030
91-91	11958	32.00	34.00	2.00	-	-	5	-	-	1.0	21	1	48	-	16	21	85	17560	26660
91-91	11959	34.00	36.00	2.00	-	-	1	-	-	0.9	25	1	77	-	23	18	95	28180	18260
91-91	11960	36.00	38.00	2.00	-	-	2	-	-	0.5	16	1	58	-	7	23	168	13020	2300
91-91	11961	38.00	40.00	2.00	-	-	1	-	-	0.1	43	2	29	-	46	20	91	34600	6860
91-91	11962	40.00	42.00	2.00	-	-	1	-	-	0.3	48	3	24	-	38	12	106	24020	9100
91-91	11963	42.00	44.00	2.00	-	-	1	-	-	0.5	33	3	74	-	23	17	146	16550	11710
91-91	11964	44.00	46.00	2.00	-	-	1	-	-	0.5	26	2	140	-	8	28	124	12210	1460
91-91	11965	46.00	48.00	2.00	-	-	1	-	-	0.7	18	2	37	-	6	23	90	10070	7210
91-91	11966	48.00	50.00	2.00	-	-	1	-	-	0.5	38	2	40	-	8	34	115	11330	4120
91-91	11967	50.00	52.00	2.00	-	-	1	-	-	0.4	22	1	62	-	8	33	109	13050	3860
91-91	11968	52.00	54.00	2.00	-	-	1	-	-	0.5	17	2	62	-	7	30	133	9310	2140
91-91	11969	54.00	56.00	2.00	-	-	1	-	-	0.5	15	2	55	-	6	22	65	11130	1310
91-91	11970	56.00	58.50	2.50	-	-	1	-	-	0.7	30	1	66	-	26	19	77	28720	15600

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ69+70
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11918	.9	27800	12	1	222	.5	10	14080	.1	29	362	50440	1560	16	19370	1530	1	1670	57	1560	13	1	50	1	1971	141.8	87	1	1	5	107	3	
11919	.8	36020	20	1	212	.4	11	17870	.1	31	462	53960	1900	16	17200	1938	1	1880	20	1530	17	1	86	1	2076	155.9	85	1	1	3	47	5	
11920	.5	36970	168	1	303	.6	12	13430	.1	43	453	58720	1530	17	17880	1213	1	1080	27	1550	13	1	82	1	2102	164.2	88	1	2	3	48	2	
11921	1.1	30190	66	1	433	.4	10	17440	.1	40	467	54120	1740	15	18780	2063	1	1450	25	2240	20	1	70	1	1953	156.3	106	1	1	3	58	2	
11922	.4	36630	80	1	145	.7	11	12130	.1	39	342	57310	1200	19	13320	1929	1	1610	18	1420	15	1	53	1	1788	157.6	118	1	2	3	32	1	
11923	.7	27860	44	1	159	.7	7	23780	.1	45	190	38880	1510	10	8810	2687	1	1260	21	2550	24	1	84	1	1048	114.8	116	1	2	2	25	3	
11924	1.1	8840	10	1	86	.1	2	17610	.1	21	82	15730	790	3	3360	1289	1	2670	10	1150	20	1	75	1	438	40.9	78	1	1	1	13	1	
11925	.6	21420	17	1	437	.1	7	18860	.1	22	199	37460	1790	10	7320	2758	1	2280	11	2360	25	1	49	1	1221	101.2	119	1	1	2	24	2	
11926	.4	33620	13	1	400	.2	12	13820	.1	26	196	54930	1890	17	11180	3395	1	1180	10	1410	18	1	45	1	2157	142.8	127	1	2	3	24	4	
11927	.7	30850	6	1	392	.3	14	13720	.1	26	129	55980	1820	17	9580	3946	1	1170	13	1630	21	1	42	1	2539	135.3	127	1	2	3	36	1	
11928	.5	30350	16	1	352	.1	14	13810	.1	28	124	61460	1890	20	8970	3010	1	3300	6	1430	29	1	40	1	2854	164.4	149	1	2	3	33	2	
11929	.6	34300	15	1	322	.4	14	12140	.1	28	161	64170	1570	21	9220	3120	1	1260	5	1390	23	1	32	1	2887	154.2	239	2	3	3	30	9	
11930	.2	31290	46	1	291	.6	12	10550	.1	31	171	63630	1560	18	8090	3176	1	970	4	1360	22	1	30	1	2429	150.9	271	2	2	3	29	2	
11931	.4	29240	63	1	217	.1	14	9120	.1	30	134	67930	1760	21	7870	2389	2	840	1	980	18	1	28	1	3006	154.9	231	2	3	3	31	5	
11932	.4	26940	27	9	276	.1	13	10450	.1	26	134	56230	1810	18	7140	2032	6	2740	3	600	25	1	33	1	2659	150.8	209	2	2	3	29	3	
11933	.2	30860	51	1	207	.5	9	6460	.1	22	88	57920	1830	24	8670	659	12	720	8	600	13	1	22	1	1666	151.2	267	2	1	2	33	1	
11934	.2	33010	28	1	297	1.2	8	7530	.1	19	76	51350	1860	21	7960	746	1	800	36	680	13	1	21	1	1249	95.7	168	2	2	2	35	2	
11935	.8	14680	40	12	55	1.6	4	27370	.1	19	27	27390	3070	23	12590	687	3	360	30	670	27	5	31	1	82	91.8	82	6	2	11	218	1	
11936	.8	9960	23	8	48	1.8	3	24780	.1	2	8	11050	2670	15	9170	377	7	330	3	50	35	3	33	1	62	4.6	115	5	1	9	213	3	
11937	.9	19450	20	6	81	3.0	4	24180	.1	2	5	14420	5890	25	17380	397	4	120	1	50	28	3	26	2	77	4.0	114	7	1	5	98	1	
11938	.3	18380	35	7	74	1.5	4	59850	.1	25	30	43660	4640	29	18850	1035	1	310	26	590	19	4	63	1	78	98.5	72	5	1	6	106	2	
11939	.7	25660	24	7	110	3.7	3	17350	.1	5	11	19550	8280	29	20780	348	8	100	2	80	26	3	20	1	67	10.5	99	7	1	6	123	1	
11940	.6	24550	23	8	117	3.6	3	8730	.1	2	6	12210	9140	25	16540	162	6	80	1	50	27	2	10	2	62	3.3	105	8	1	4	76	1	
11941	.5	21740	26	8	112	3.3	3	7160	.1	2	7	12130	8560	21	14840	138	10	110	2	40	28	4	9	2	57	3.3	110	8	1	9	198	2	
11942	.7	25090	19	6	118	3.6	4	8330	.1	2	7	14650	8840	24	17700	186	3	80	1	40	32	4	9	3	68	3.0	117	8	2	4	85	4	
11943	.8	12220	22	5	69	2.0	3	34050	.1	4	7	18320	4190	14	15340	551	6	100	3	50	24	3	41	1	36	7.9	78	6	1	5	113	1	
11944	2.4	15570	31	19	24	.1	14	57590	.1	34	50	44790	970	49	14070	1047	1	240	39	1210	19	4	25	1	2466	159.2	90	5	5	11	175	10	
11945	1.3	10690	34	9	24	.5	8	36100	.1	29	51	28590	1240	24	7650	862	1	940	44	1830	18	3	21	1	1103	122.0	93	5	2	8	130	6	
11946	1.3	9370	32	6	25	.5	7	60220	.1	28	49	28720	1640	20	6590	1112	1	730	45	1580	18	3	31	1	991	106.4	87	5	1	6	111	12	
11947	.4	7670	31	3	24	.9	4	7630	.1	9	15	23640	970	14	4510	438	4	780	10	250	14	2	4	1	398	20.7	52	3	1	6	144	3	
11948	.3	3510	18	2	27	.6	1	7520	.1	4	7	14290	1080	6	1620	327	3	610	3	60	16	2	5	1	60	6.8	57	2	1	6	148	1	
11949	.1	4450	27	2	45	1.7	1	5280	.1	7	12	23200	1210	6	1940	244	7	680	5	180	21	2	3	1	36	14.7	48	2	1	5	125	2	
11950	.2	3480	17	1	43	1.2	2	660	.1	2	5	10360	1010	5	1380	73	4	540	2	40	10	1	1	1	29	3.6	22	3	1	6	147	1	
11951	.4	5840	18	1	43	1.3	2	790	.1	2	6	9740	1350	8	2930	80	3	590	1	20	34	1	2	2	44	2.3	54	4	1	5	121	1	
11952	.3	4610	14	1	14	.8	1	220	.1	1	6	8510	440	8	2940	80	4	830	3	10	28	1	2	2	51	1.7	36	4	1	5	126	1	
11953	.5	5230	19	1	33	1.3	2	2610	.1	2	6	8250	1270	8	2840	91	4	810	2	20	31	1	3	1	46	1.5	73	4	1	5	115	3	
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11955	.2	6400	34	1	44	2.1	2	8810	.1	14	25	24140	1800	8	2950	222	6	420	17	550	22	2	11	1	101	51.9	88	3	1	8	155	2	
11956	.2	9190	41	1	86	1.1	2	7260	.1	31	42	24170	2550	11	4130	175	3	370	46	1320	15	3	11	1	174	76.1	121	4	1	7	142	1	
11957	.5	8860	16	1	55	2.8	2	7030	.1	4	7	12050	2530	12	4960	143	2	160	6	60	21	1	9	2	59	7.0	151	6	1	3	70	3	
11958	1.0	8360	21	1	48	1.3	4	26660	.1	12	16	17560	1850	12	5340	702	2	270	15	410	21	1	19	1	479	38.9	85	4	1	5	111	5	
11959	.9	12290	25	1	77	.7	3	18260	.1	16	23	28180	1600	21	8490	637	4	660	18	550	18	1	13	1	359	54.3	95	5	1	7	157	1	
11960	.5	9530	16	1	58	4.4	2	2300	.1	3	7	13020	2840	13	5730	123	1	50	2	40	23	1	3	1	33	3.6	168	6	1	3	69	2	
11961	.1	7830	43	1	29	.4	2	6860	.1	32	46	34600	1230	12	5120	207	5	490	43	1440	20	2	10	1	98	96.9	91	3	1	7	145	1	
11962	.3	6350	48	1	24	.4	2	9100	.1	35	38	24020	1360	9	3510	235	3	430	49	1490	12	3	14	1	71	75.4	106	3	1	7	166	1	
11963	.5	8250	33	1	74	3.0	2	11710	.1	18	23	16550	2380	10	4210	296	2	300	29	800	17	3	8	1	42	38.3	146	4	1	4	99	1	
11964	.5	6440	26	1	140	3.1	2	1460	.1	5	8	12210	2120	8	2650	126	5	220	9	60	28	2	3	1	29	5.4	124	4	1	5	119	1	
11965	.7	4360	18	1	37	1.1	2	7210	.1	2	6	10070	1170	6	2490	174	4	300	2	20	23	2	5	1	31	2.7	90	5	1	5	132	1	
11966	.5	3920	38	1	40	1.7	2	4120	.1	2	8	11330	1620	4	1960	126	3	1210	1	10	34	2	4	2	36	2.3	115	3	1	5	110	1	
11967	.4	5760	22	1	62	2.3	1	3860	.1	2	8	13050	1700	8	3070	126	4	730	1	10	33	1	4	3	38	4.1	109	5	1	3	78	1	
11968	.5	4990	17	1	62	1.7	2	2140	.1	2	7	9310	1800	6	2270	75	3	660	1	10	30	2	3	3	38	1.3	133	5	1	4	104	1	
11969	.5	5600	15	1	55	1.0	2	1310	.1	2	6	11130	1580	6	2900	63	2	270	1	20	22	2	2	2	37	1.9	65	5	1	4	84	1	
11970	.7	13740	30	1	66	.9	4	15600	.1	17	26	28720	1950	23	11720	524	3	740	19	600	19	1	12	1	320	80.9	77	6	1	7	147	1	
11971	3.7	6670	68	9	76	.2	1	14120	18.2	13	108	48770	2430	6	6610	721	10	600	34	1180	35	8	36	1	17	68.4	869	1	1	2	32	3	1000
11972	1.9	7120	54	8	87	.3	2	18720	3.3	12	85	47850	2750	8	9640	787	2	610	30	700	32	4	40	1	15	67.0	398	2	1	2	25	16	1355
11973	1.4	9970	48	8	121	.1	1	13160	.1	11	75	45020	4060	11	7120	618	2	750	20	2090	31	2	35	1	24	73.6	257	3	1	2	27	16	1035

91-16

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-92
PAGE 1 OF 1

TESTS

Meterage	Dip	Azimuth
0	-45	117°
82.3	-45	114°

COLLAR SURVEY:

Northing: 11380.93
Easting: 9496.47
Elevation: 1137.42
Azimuth: 118.5°
Dip: -45.5°
IP Grid Coordinates: 11400N/4581E

CORE BQTW
Section: 11380N
Date Started: Aug 7/91
Date Finnished: Aug 8/91
Date Logged: August 9-10/91

Total Depth: 82.3 m
Casing Depth 4.57 m
Casing Left In: YES
Logged By: R. ARCHAMBAULT
Comments:

SAMPLE NUMBERS
11971 To 12010
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	4.57	OVERBURDEN
4.57	24.45	ARGILLITE (4.4), SULPHIDIC TURBIDITE – PYRITIC SILTITE (4.3)
		Lithology: Black, graphitic and uniform with pyritic laminations <1mm to 1cm thick form approximately 5% of the unit
		Structure: Bedding 5.6 m 65° To c.a
		9.1 m 50° To c.a
		12.0 m 70° To c.a
		21.4 m 70° To c.a
		Numerous slickenside of all orientation 0°→70° To c.a.
		14.5–21.34 Fault Zone: intensely sheared, numerous slickensides and gouge
		Alteration: Quartz (minor calcite) veinlets < 3mm in width in crackle fractures ≈2%
		Mineralization: syngenetic pyrite laminations (5%)

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-92 PAGE 2 OF 7
24.45	27.5	CONTACT FACIES - ARGILLITE - RHYOLITE BRECCIA (4.1)
27.5	47.2	RHYOLITE FLOW (AUTOBRECCIATED) +/- QUARTZ - FE-CARBONATE VEINING (3.8 +/- QV-F)
		Lithology: Pale grey, hard, aphanitic with very small quartz phenocrysts
		26 - 28.2 autobreccia ted
		Structure: 24.45 - 26.0 - Brecciated, Fragments <1mm - 1cm in diameter sub angular 50-60% in a quartz-carbonate matrix (50-50%) 40-50% of the rock
		33.52 - 34.7 - sanded down - no core | 41.9 slickenside - 20° to c.a.
		36.1 fault 15° to c.a with 20cm wide breccia in quartz-sericite matrix
		Alteration: 24.45 - 26.0 Silicified + carbonate in matrix
		26.0 - 28.2 - Moderate sericite alt
		39.2 - 42.4 - Several veinlets 1mm - 2cm wide sub-parallel to c.a + crackling in all orientations ≈15% of rock.
		Overall crackle brecciated with white-milky quartz and lesser calcite 1-3% of rock
		Mineralization: Trace pyrite disc in rhyolite flow.
47.2	56.8	SULPHIDIC MUDSTONE AND CHERT +/- QUARTZ VEINING (3.5 +/- QV)
		Lithology: Black, graphitic, with silty and pyritic laminations, <1mm up to 1.5cm wide
		Structure: Bedding parallel to c.a at 51.25 and 75° to c.a at 52.7
		Slickenside = numerous in all orientation but more prominent sub parallel to c.a

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-92 PAGE 3 OF 7
		Upper contact = faulted 60° to c.a. Lower contact - ground.	
		Alteration: Crackle brecciated filled with quartz-calcite veinlets generally <<1mm - 1cm but can be up to 4cm wide - 10%	
		Mineralization: Syngenetic pyrite laminations 1%	
56.8	80.2	RHYODACITIC FRAGMENTAL - SERICITE (3.0a) +/- RHYODACITIC FLOW (3.1)	
		56.8-59.2 / 78.8-79.5	
		Lithology: Medium to dark Greyish green fragments of dacite (aft) in a dark greenish → black matrix (aft) Fragments are 1mm to 1cm in diameter and up to 3cm in places. Fragments 40% matrix 60%	
		Structure: Faults 57.1 m 25° to c.a. 58.55 m 50° to c.a. 60.1 40° to c.a.	
		Alteration: Silicification = moderate 56.8 - 57.05m & 57.4 - 57.6 & weak at 57.55 - 57.8 Sericitization = moderate throughout strong 57.1 - 57.45 Late, white calcite-quartz veinlets 0.5 - 5mm wide several orientations ≈ 1%	
		Mineralization: 57.6 - 59.2 & 60 - 60.5 & 61 - 61.7m = 5% pyrite as contorted blebs in black matrix Trace pyrite in more felsic intervals i.e 56.8 - 57.6 & 59.2 - 60 & 60.5 - 61m	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-92 PAGE 4 OF 7

59.2 - 60

61.7 62.2

Lithology: Pale to medium green, crackled and very hard

Structure: irregular but sharp contacts not perpendicular to c a

Alteration: weak pervasive sericitization
silicification through quartz veinlets (grey) in crackling (5%)

Mineralization: Absent

62.2 - 76.55

Lithology: Rhyolite fragments generally <1mm to 1cm but up to 4 cm in diameter, hosted in an aphanitic black matrix most likely glass
Fragments 10%, matrix 40%

Structure: Fault 71.8 m - 25° to c a - narrow i.e 2 planes in 5 cm
Weak foliation in places 63.6 = 0° to c a

Alteration: Moderate sericitization of the fragments
Minor late quartz-calcite veinlets <1mm - 3mm, up to 3 cm, various orientation ≈1%

Mineralization: uneven throughout 62.2 - 63.8 - 5%, 64 - 64.2 - 5%, 65.4 - 66.1 - 5%, 69.4 - 69.55 = 5%
other intersections <1 - 2%. py always as irregular blebs and veinlets in matrix 72.2 - 72.75 = 5%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-92 PAGE 5 OF 7

70.5-70.85 DIORITE DYKE (6.1)

72.95-74.3

Lithology: Medium grey, massive, aphanitic-very fine grained

Structure: Faults 73.8 m = 35° to ca.

Alteration: Weak pervasive calcite
Calcite (minor quartz) white veinlets < 3mm wide in various orientation ≈ 2%

Mineralization: Pyrite in blebs and veinlets < 1mm wide, blebs up to 1.5 cm wide, dark, very fine grained ≈ 5%. Veinlets in crackle fractures not associated with calcite veinlets but composed of only pyrite.

76.55-78.1

Lithology: Rhyolitic breccia as above in intervals 10-25 cm wide interbedded with fine grained dark rhyolitic tuffs 5-10 cm wide (green to black)

Structure: Tuffs are strongly foliated 76.55 m - 45° to c.a. Slightly fractured sub-parallel to
77.1 - 70° to c.a. foliation
78.1 - 40° to c.a.

Alteration: moderate to strong sericite alt of the tuff and clast component

Mineralization: Absent

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-92 PAGE 6 OF 7

78.1 - 79.0

Lithology: Medium greyish green, hard, crackled.

Structure: Contacts irregular, sub-perpendicular to c.a.

Alteration: Weak-moderate sericitization. Quartz-calcite veinlets < 3 mm ≈ 1%

Mineralogy: — Trace pyrite along one quartz veinlet

79.0 - 80.2

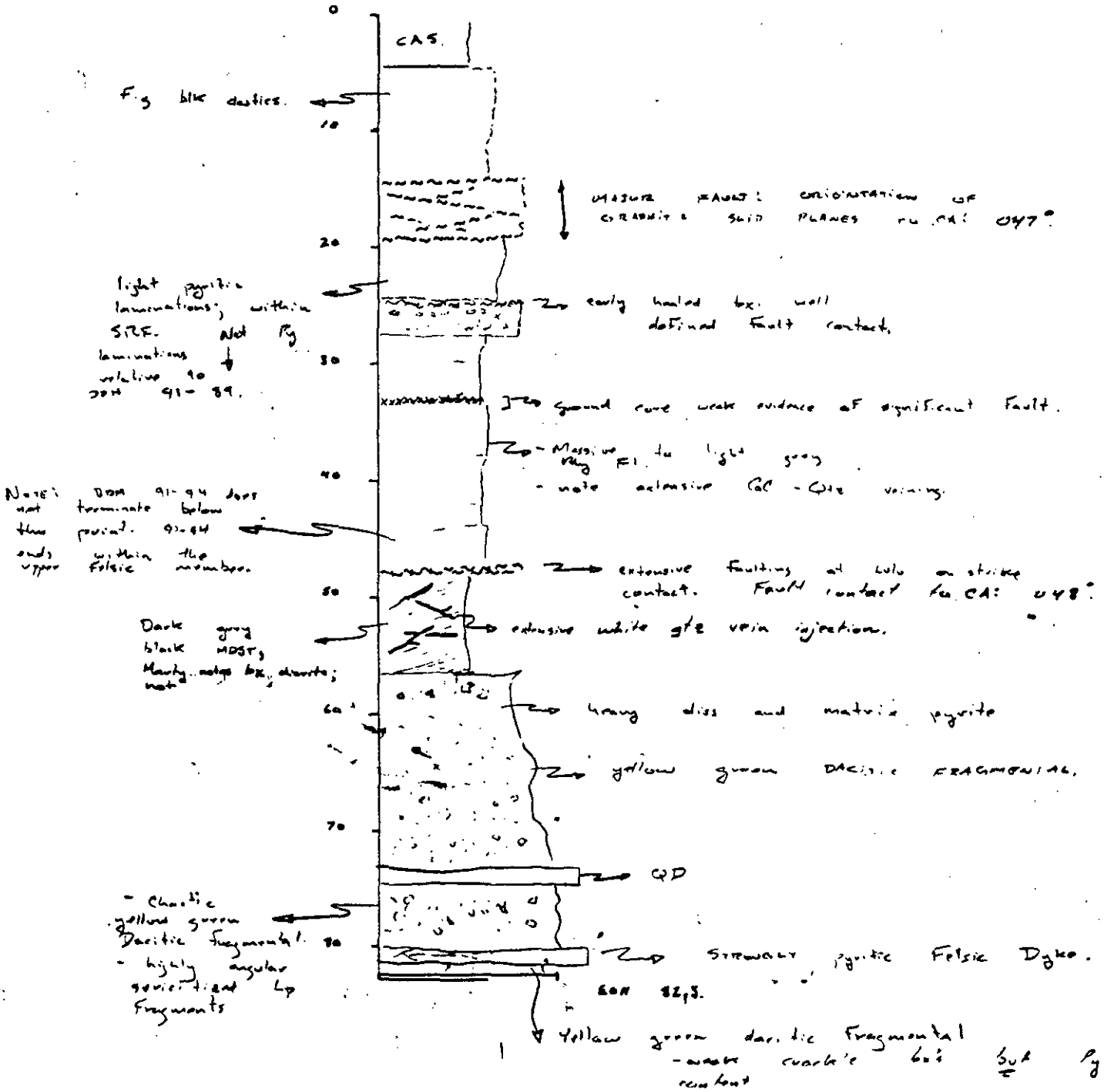
Lithology: Rhyolite fragments in a black to dark green matrix. Fragments vary from 1 mm to ≈ 7 cm
Rhyolite tuff makes up ≈ 10% of the interval

Structure: Foliation ≈ 70 m ≈ 75° to c.a.
Strong fault 79.3 to 79.7 - 30° to c.a.

Alteration: strong sericite of the matrix & tuffaceous component, weak moderate sericite of the fragments
Fault zone intensely altered - sericite - chlorite
Small calcite veinlets - crackling < 1% (late)

Mineralization: Overall - trace pyrite except 79 - 79.1 ≈ 20% fine gr. dark pyrite in matrix

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-92 PAGE 7 OF 7
80.2	81.2	DIORITE DYKE (L.1)
		Lithology: Med grey, massive, aphanitic, brecciated with some darker, angular fragments
		Structure 80.2 slickenside 30° to ca pitch 85-90°
		81.2 foliation 40° to ca. contacts are irregular
		Brecciation near contacts
		Alteration: Late quartz - calcite veinlets < 5mm wide various orientations ≈ 1-2%
		Mineralization: Pyrite veinlets and hairline fracturing unrelated to quartz-calcite veinlets
		mainly 80.6 - 80.9 ≈ 5%
		Other interactions - trace
81.2	82.3	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4) +/- RHYOLITE FLOW (AUTOBRECCIATED) (3.8)
		Lithology: Greenish grey, mottled, hard and slightly foliated - Tuffaceous content = 20-30%
		Structure: Foliation 81.5 m 50° to ca
		Alteration: Weak sericite alt. of the tuffaceous content
		Mineralization: Absent
		82.3 End of hole


0
CAS.
F.g blk dacites.
10
20
MEASURE FAULT: ORIENTATION OF GRANULE SLID PLANES re. CA: 047°
light pyritic laminations, within SIRF. Not Pg laminations relative to DDH 91-89.
early healed bx. well defined fault contact.
30
ground core weak evidence of significant fault.
Massive Pg F1. to light grey
- note extensive CaC - Qtz veining.
40
Note: DDH 91-94 does not terminate below this point. 91-94 ends within the upper Felsic member.
extensive faulting at lulo on strike contact. Fault contact re. CA: 048°.
50
Dark grey black MDST, Mauty. notes bx, diorite;
extensive white qtz vein injection.
60
heavy diss and matrix pyrite
yellow green DACITIC FRAGMENTAL.
70
QD
- Chaotic yellow green Dacitic fragmental.
- highly angular variegated Lp fragments
80
STRONGLY pyritic Felsic Dyke.
DDH 82,83.
Yellow green dacitic fragmental
- weak cuarbs bit but Pg
resistant

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-92	11971	4.51	6.00	1.49	-	-	3	-	-	3.7	68	8	76	1000	108	35	869	48770	14120
91-92	11972	6.00	8.00	2.00	-	-	16	-	-	1.9	54	4	87	1355	85	32	398	47850	18720
91-92	11973	8.00	10.00	2.00	-	-	16	-	-	1.4	48	2	121	1035	75	31	257	45020	13160
91-92	11974	10.00	12.00	2.00	-	-	24	-	-	1.8	56	4	135	1430	75	27	362	46960	19030
91-92	11975	12.00	14.00	2.00	-	-	9	-	-	2.6	55	6	119	1550	64	29	502	40450	24370
91-92	11976	14.00	16.00	2.00	-	-	17	-	-	4.2	68	7	157	1840	79	33	661	46880	26220
91-92	11977	16.00	18.00	2.00	-	-	21	-	-	2.5	61	7	240	1155	76	28	480	50890	29860
91-92	11978	18.00	20.00	2.00	-	-	4	-	-	0.7	25	4	109	695	45	24	260	48450	26170
91-92	11979	20.00	22.00	2.00	-	-	7	-	-	1.0	37	6	303	825	63	28	292	42960	20790
91-92	11980	22.00	24.00	2.00	-	-	12	-	-	0.8	34	7	120	845	74	26	389	45450	16590
91-92	11981	24.00	26.00	2.00	-	-	8	-	-	1.3	33	8	56	760	88	20	848	19740	62270
91-92	11982	26.00	28.00	2.00	-	-	1	-	-	0.5	17	1	126	-	12	14	253	21450	19250
91-92	11983	28.00	30.00	2.00	-	-	6	-	-	0.7	46	5	75	-	18	17	126	13970	19190
91-92	11984	30.00	32.00	2.00	-	-	3	-	-	0.6	29	2	24	-	8	17	90	10760	12320
91-92	11985	32.00	33.52	1.52	-	-	2	-	-	0.7	26	2	18	-	7	10	84	10360	15500
91-92	12010	33.52	34.00	0.48	-	-	8	-	-	70.1	44	6	728	-	223	63	463	35530	32680
91-92	11986	33.52	36.00	2.48	-	-	5	-	-	0.8	45	1	47	-	8	18	123	14200	18120
91-92	11987	36.00	38.00	2.00	-	-	1	-	-	0.8	29	2	22	-	13	13	150	8500	15680
91-92	11988	38.00	40.00	2.00	-	-	3	-	-	0.8	34	2	32	-	8	19	100	14660	25010
91-92	11989	40.00	42.00	2.00	-	-	12	-	-	0.9	28	2	54	-	6	20	89	19880	27810
91-92	11990	42.00	44.00	2.00	-	-	2	-	-	0.8	38	3	40	-	5	22	88	14920	19260
91-92	11991	44.00	46.00	2.00	-	-	2	-	-	0.8	36	3	27	-	7	14	89	10170	17450
91-92	11992	46.00	48.00	2.00	-	-	1	-	-	1.2	31	3	22	-	6	13	120	8610	58090
91-92	11993	48.00	50.00	2.00	-	-	8	-	-	1.7	81	31	98	960	50	29	576	22110	76170
91-92	11994	50.00	52.00	2.00	-	-	14	-	-	1.7	70	33	73	945	57	37	504	33400	76020
91-92	11995	52.00	54.00	2.00	-	-	19	-	-	2.1	53	32	107	700	69	43	569	35440	51920
91-92	11996	54.00	56.00	2.00	-	-	43	-	-	2.7	122	65	100	1160	95	80	1010	38510	29180
91-92	11997	56.00	58.00	2.00	-	-	8	-	-	1.0	78	20	50	515	27	37	427	21810	10630
91-92	11998	58.00	60.00	2.00	-	-	2	-	-	0.5	38	5	53	-	9	34	172	19020	7330
91-92	11999	60.00	62.00	2.00	-	-	3	-	-	0.7	51	7	38	-	13	37	148	30260	13960
91-92	12000	62.00	64.00	2.00	-	-	1	-	-	0.7	40	4	36	-	6	21	70	14750	19210
91-92	12001	64.00	66.00	2.00	-	-	2	-	-	0.7	58	9	66	-	9	36	102	23280	18110
91-92	12002	66.00	68.00	2.00	-	-	1	-	-	1.3	60	6	50	-	6	28	73	12960	70130
91-92	12003	68.00	70.00	2.00	-	-	10	-	-	0.7	43	5	48	-	7	21	96	18520	22400
91-92	12004	70.00	72.00	2.00	-	-	2	-	-	0.9	52	7	37	-	12	19	64	20160	37590
91-92	12005	72.00	74.00	2.00	-	-	1	-	-	0.5	58	10	38	-	29	26	39	44850	61460
91-92	12006	74.00	76.00	2.00	-	-	5	-	-	0.5	45	6	61	-	19	18	50	24800	27310
91-92	12007	76.00	78.00	2.00	-	-	1	-	-	0.4	28	4	83	-	8	23	131	13970	12090
91-92	12008	78.00	80.00	2.00	-	-	2	-	-	0.8	22	3	61	-	8	18	77	12900	22470
91-92	12009	80.00	82.30	2.30	-	-	2	-	-	0.5	29	6	37	-	17	17	82	20420	19950

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ69+70
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11918	.9	27800	12	1	222	.5	10	14080	.1	29	362	50440	1560	16	19370	1530	1	1670	57	1560	13	1	50	1	1971	141.8	87	1	1	5	107	3	
11919	.8	36020	20	1	212	.4	11	17870	.1	31	462	53960	1900	16	17200	1938	1	1880	20	1530	17	1	86	1	2076	155.9	85	1	1	3	47	5	
11920	.5	36970	168	1	303	.6	12	13430	.1	43	453	58720	1530	17	17880	1213	1	1080	27	1550	13	1	82	1	2102	164.2	88	1	2	3	48	2	
11921	1.1	30190	66	1	433	.4	10	17440	.1	40	467	54120	1740	15	18780	2063	1	1450	25	2240	20	1	70	1	1953	156.3	106	1	1	3	58	2	
11922	.4	36630	80	1	145	.7	11	12130	.1	39	342	57310	1200	19	13320	1929	1	1610	18	1420	15	1	53	1	1788	157.6	118	1	2	3	32	1	
11923	.7	27860	44	1	159	.7	7	23780	.1	45	190	38880	1510	10	8810	2687	1	1260	21	2550	24	1	84	1	1048	114.8	116	1	2	2	25	3	
11924	1.1	8840	10	1	86	.1	2	17610	.1	21	82	15730	790	3	3360	1289	1	2670	10	1150	20	1	75	1	438	40.9	78	1	1	1	13	1	
11925	.6	21420	17	1	437	.1	7	18860	.1	22	199	37460	1790	10	7320	2758	1	2280	11	2360	25	1	49	1	1221	101.2	119	1	1	2	24	2	
11926	.4	33620	13	1	400	.2	12	13820	.1	26	196	54930	1890	17	11180	3395	1	1180	10	1410	18	1	45	1	2157	142.8	127	1	2	3	24	4	
11927	.7	30850	6	1	392	.3	14	13720	.1	26	129	55980	1820	17	9580	3946	1	1170	13	1630	21	1	42	1	2539	135.3	127	1	2	3	36	1	
11928	.5	30350	16	1	352	.1	14	13810	.1	28	124	61460	1890	20	8970	3010	1	3300	6	1430	29	1	40	1	2854	164.4	149	1	2	3	33	2	
11929	.6	34300	15	1	322	.4	14	12140	.1	28	161	64170	1570	21	9220	3120	1	1260	5	1390	23	1	32	1	2887	154.2	239	2	3	3	30	9	
11930	.2	31290	46	1	291	.6	12	10550	.1	31	171	63630	1560	18	8090	3176	1	970	4	1360	22	1	30	1	2429	150.9	271	2	2	3	29	2	
11931	.4	29240	63	1	217	.1	14	9120	.1	30	134	67930	1760	21	7870	2389	2	840	1	980	18	1	28	1	3006	154.9	231	2	3	3	31	5	
11932	.4	26940	27	9	276	.1	13	10450	.1	26	134	56230	1810	18	7140	2032	6	2740	3	600	25	1	33	1	2659	150.8	209	2	2	3	29	3	
11933	.2	30860	51	1	207	.5	9	6460	.1	22	88	57920	1830	24	8670	659	12	720	8	600	13	1	22	1	1666	151.2	267	2	1	2	33	1	
11934	.2	33010	28	1	297	1.2	8	7530	.1	19	76	51350	1860	21	7960	746	1	800	36	680	13	1	21	1	1249	95.7	168	2	2	2	35	2	
11935	.8	14680	40	12	55	1.6	4	27370	.1	19	27	27390	3070	23	12590	687	3	360	30	670	27	5	31	1	82	91.8	82	6	2	11	218	1	
11936	.8	9960	23	8	48	1.8	3	24780	.1	2	8	11050	2670	15	9170	377	7	330	3	50	35	3	33	1	62	4.6	115	5	1	9	213	3	
11937	.9	19450	20	6	81	3.0	4	24180	.1	2	5	14420	5890	25	17380	397	4	120	1	50	28	3	26	2	77	4.0	114	7	1	5	98	1	
11938	.3	18380	35	7	74	1.5	4	59850	.1	25	30	43660	4640	29	18850	1035	1	310	26	590	19	4	63	1	78	98.5	72	5	1	6	106	2	
11939	.7	25660	24	7	110	3.7	3	17350	.1	5	11	19550	8280	29	20780	348	8	100	2	80	26	3	20	1	67	10.5	99	7	1	6	123	1	
11940	.6	24550	23	8	117	3.6	3	8730	.1	2	6	12210	9140	25	16540	162	6	80	1	50	27	2	10	2	62	3.3	105	8	1	4	76	1	
11941	.5	21740	26	8	112	3.3	3	7160	.1	2	7	12130	8560	21	14840	138	10	110	2	40	28	4	9	2	57	3.3	110	8	1	9	198	2	
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11944	2.4	15570	31	19	24	.1	14	57590	.1	34	50	44790	970	49	14070	1047	1	240	39	1210	19	4	25	1	2466	159.2	90	5	5	11	175	10	
11945	1.3	10690	34	9	24	.5	8	36100	.1	29	51	28590	1240	24	7650	862	1	940	44	1830	18	3	21	1	1103	122.0	93	5	2	8	130	6	
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11948	.3	3510	18	2	27	.6	1	7520	.1	4	7	14290	1080	6	1620	327	3	610	3	60	16	2	5	1	60	6.8	57	2	1	6	148	1	
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11953	.5	5230	19	1	33	1.3	2	2610	.1	2	6	8250	1270	8	2840	91	4	810	2	20	31	1	3	1	46	1.5	73	4	1	5	115	3	
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11955	.2	6400	34	1	44	2.1	2	8810	.1	14	25	24140	1800	8	2950	222	6	420	17	550	22	2	11	1	101	51.9	88	3	1	8	155	2	
11956	.2	9190	41	1	86	1.1	2	7260	.1	31	42	24170	2550	11	4130	175	3	370	46	1320	15	3	11	1	174	76.1	121	4	1	7	142	1	
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11959	.9	12290	25	1	77	.7	3	18260	.1	16	23	28180	1600	21	8490	637	4	660	18	550	18	1	13	1	359	54.3	95	5	1	7	157	1	
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11961	.1	7830	43	1	29	.4	2	6860	.1	32	46	34600	1230	12	5120	207	5	490	43	1440	20	2	10	1	98	96.9	91	3	1	7	145	1	
11962	.3	6350	48	1	24	.4	2	9100	.1	35	38	24020	1360	9	3510	235	3	430	49	1490	12	3	14	1	71	75.4	106	3	1	7	166	1	
11963	.5	8250	33	1	74	3.0	2	11710	.1	18	23	16550	2380	10	4210	296	2	300	29	800	17	3	8	1	42	38.3	146	4	1	4	99	1	
11964	.5	6440	26	1	140	3.1	2	1460	.1	5	8	12210	2120	8	2650	126	5	220	9	60	28	2	3	1	29	5.4	124	4	1	5	119	1	
11965	.7	4360	18	1	37	1.1	2	7210	.1	2	6	10070	1170	6	2490	174	4	300	2	20	23	2	5	1	31	2.7	90	5	1	5	132	1	
11966	.5	3920	38	1	40	1.7	2	4120	.1	2	8	11330	1620	4	1960	126	3	1210	1	10	34	2	4	2	36	2.3	115	3	1	5	110	1	
11967	.4	5760	22	1	62	2.3	1	3860	.1	2	8	13050	1700	8	3070	126	4	730	1	10	33	1	4	3	38	4.1	109	5	1	3	78	1	
11968	.5	4990	17	1	62	1.7	2	2140	.1	2	7	9310	1800	6	2270	75	3	660	1	10	30	2	3	3	38	1.3	133	5	1	4	104	1	
11969	.5	5600	15	1	55	1.0	2	1310	.1	2	6	11130	1580	6	2900	63	2	270	1	20	22	2	2	2	37	1.9	65	5	1	4	84	1	
11970	.7	13740	30	1	66	.9	4	15600	.1	17	26	28720	1950	23	11720	524	3	740	19	600	19	1	12	1	320	80.9	77	6	1	7	147	1	
11971	3.7	6670	68	9	76	.2	1	14120	18.2	13	108	48770	2430	6	6610	721	10	600	34	1180	35	8	36	1	17	68.4	869	1	1	2	32	3	1000
11972	1.9	7120	54	8	87	.3	2	18720	3.3	12	85	47850	2750	8	9640	787	2	610	30	700	32	4	40	1	15	67.0	398	2	1	2	25	16	1355
11973	1.4	9970	48	8	121	.1	1	13160	.1	11	75	45020	4060	11	7120	618	2	750	20	2090	31	2	35	1	24	73.6	257	3	1	2	27	16	1035

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ71+72
DATE: 91/10/17
* ROCK * (ACT:F31)

91-92

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11974	1.8	11520	56	8	135	.3	1	19030	3.1	10	75	46960	4730	10	7850	637	4	610	21	3090	27	4	52	1	25	80.1	362	2	1	2	35	24	1430
11975	2.6	9340	55	6	119	.4	1	24370	8.4	8	64	40450	3900	7	10720	830	3	980	17	2420	29	6	63	1	20	85.7	502	3	1	2	35	9	1550
11976	4.2	13230	68	11	157	.4	1	26220	11.2	9	79	46880	5740	6	7270	541	8	1020	24	8200	33	7	112	1	29	136.5	661	3	1	3	45	17	1840
11977	2.5	16120	61	14	240	.6	1	29860	4.4	11	76	50890	6500	5	9170	739	6	610	19	7700	28	7	129	1	30	118.2	480	3	1	3	60	21	1155
11978	.7	7280	25	7	109	.2	1	26170	.8	14	45	48450	3260	8	9000	1421	5	660	1	2040	24	4	83	1	15	52.5	260	2	1	2	41	4	695
11979	1.0	7240	37	5	303	.4	1	20790	1.3	11	63	42960	3300	4	10610	1133	3	730	15	850	28	6	66	1	14	49.5	292	3	1	2	38	7	825
11980	.8	7120	34	5	120	.6	1	16590	3.7	12	74	45450	3360	4	8820	950	2	650	17	1120	26	7	51	1	15	49.3	389	3	1	2	38	12	845
11981	1.3	3380	33	1	56	.5	2	62270	7.6	5	88	19740	1660	1	4730	991	5	970	9	280	20	8	97	1	21	19.7	848	4	1	4	90	8	760
11982	.5	5630	17	2	126	2.7	2	19250	.2	2	12	21450	3300	3	11200	451	3	200	1	60	14	1	75	3	48	4.3	253	5	1	3	74	1	
11983	.7	2430	46	1	75	.5	2	19190	.1	2	18	13970	1130	1	5290	369	9	570	2	40	17	5	43	1	43	3.6	126	4	1	6	154	6	
11984	.6	1830	29	1	24	.3	1	12320	.1	1	8	10760	820	1	4300	239	5	540	1	50	17	2	26	1	39	2.1	90	4	1	6	140	3	
11985	.7	1580	26	1	18	.2	1	15500	.1	1	7	10360	580	1	5030	299	7	600	1	20	10	2	27	1	33	2.7	84	4	1	5	133	2	
11986	.8	3410	45	1	47	1.0	1	18120	.1	2	8	14200	1880	1	6320	323	5	320	1	30	18	1	53	2	45	2.7	123	5	1	5	118	5	
11987	.8	1600	29	1	22	.4	1	15680	.1	1	13	8500	730	1	3470	239	4	460	1	30	13	2	31	1	36	2.4	150	4	1	4	109	1	
11988	.8	2730	34	1	32	.7	1	25010	.1	2	8	14660	1440	1	8910	432	6	370	1	20	19	2	60	1	37	3.0	100	5	1	5	127	3	
11989	.9	4230	28	1	54	1.6	2	27810	.1	3	6	19880	2540	2	13240	420	7	210	1	30	20	2	90	2	39	3.5	89	6	1	4	93	12	
11990	.8	3740	38	1	40	1.2	1	19260	.1	2	5	14920	2500	1	5060	318	6	180	1	20	22	3	32	1	40	2.2	88	5	1	4	112	2	
11991	.8	2520	36	1	27	.5	1	17450	.1	1	7	10170	1320	2	2480	242	8	470	1	30	14	3	28	1	42	2.2	89	4	1	5	122	2	
11992	1.2	2080	31	1	22	.2	2	58090	.1	1	6	8610	1170	1	2570	660	4	280	2	50	13	3	49	1	32	3.3	120	5	1	5	117	1	
11993	1.7	5590	81	3	98	1.0	3	76170	6.7	7	50	22110	3040	2	4010	1000	28	490	61	630	29	31	228	1	13	37.2	576	6	1	3	52	8	960
11994	1.7	5500	70	2	73	.9	3	76020	4.7	8	57	33400	3100	1	3430	1115	45	540	61	880	37	33	180	1	14	34.6	504	5	1	2	47	14	945
11995	2.1	9950	53	4	107	1.9	2	51920	5.0	10	69	35440	5090	3	7440	945	20	710	46	2020	43	32	112	1	22	68.2	569	5	1	3	51	19	700
11996	2.7	9850	122	3	100	2.1	1	29180	9.8	12	95	38510	5300	2	3600	595	60	860	131	1290	80	65	78	1	20	74.4	1010	4	1	2	40	43	1160
11997	1.0	5810	78	1	50	1.4	1	10630	.7	5	27	21810	3320	2	2610	197	30	550	41	460	37	20	21	1	25	22.2	427	3	1	3	76	8	515
11998	.5	7940	38	1	53	2.1	1	7330	.1	3	9	19020	3570	6	4640	161	12	1110	1	60	34	5	14	1	50	3.3	172	4	1	4	87	2	
11999	.7	5790	51	1	38	1.3	1	13960	.1	4	13	30260	3050	4	2600	193	11	580	1	30	37	7	19	1	41	2.1	148	3	1	3	83	3	
12000	.7	2990	40	1	36	.8	1	19210	.1	2	6	14750	2350	1	880	233	7	40	1	20	21	4	29	1	29	1.7	70	2	1	3	91	1	
12001	.7	5140	58	13	66	1.3	3	18110	.1	3	9	23280	3730	6	1840	236	7	80	1	20	36	9	27	8	48	2.7	102	2	1	4	86	2	
12002	1.3	3770	60	8	50	1.0	4	70130	.1	2	6	12960	2880	3	1730	833	8	50	1	60	28	6	142	3	32	3.5	73	4	1	4	81	1	
12003	.7	5370	43	7	48	1.2	2	22400	.1	3	7	18520	3680	2	1710	301	9	90	1	20	21	5	32	7	38	3.3	96	2	1	4	94	10	
12004	.9	4040	52	4	37	.8	1	37590	.1	9	12	20160	2390	2	1630	539	11	220	13	190	19	7	48	4	39	11.3	64	3	1	5	114	2	
12005	.5	3500	58	5	38	.1	1	61460	.1	15	29	44850	2200	1	1370	627	13	330	14	500	26	10	79	1	38	24.5	39	1	1	4	101	1	
12006	.5	3500	45	4	61	.6	1	27310	.1	11	19	24800	2280	1	1290	407	17	320	14	370	18	6	37	2	30	13.8	50	1	1	7	164	5	
12007	.4	5590	28	4	83	2.6	2	12090	.1	3	8	13970	3410	2	2860	209	7	110	3	40	23	4	23	4	34	2.4	131	2	1	4	92	1	
12008	.8	5580	22	4	61	1.9	2	22470	.1	3	8	12900	3260	3	4440	336	8	170	8	40	18	3	44	5	38	2.5	77	3	1	6	152	2	
12009	.5	7530	29	4	37	1.7	2	19950	.1	12	17	20420	4160	3	2920	274	2	160	19	420	17	6	33	4	44	19.6	82	3	1	5	106	2	
12010	70.1	7960	44	12	728	.4	2	32680	6.7	7	223	35530	3290	4	13870	889	120	7200	14	1940	63	6	133	2	46	71.3	463	4	1	14	171	8	
12011	.7	16390	18	19	76	1.1	5	7390	.1	16	59	42740	1300	28	10440	1084	1	230	1	1710	248	6	12	5	57	51.7	294	1	3	3	44	9	
12012	.3	14020	11	10	65	.7	3	8840	.1	12	22	37360	1540	19	8780	974	1	190	1	1580	65	2	12	3	24	34.3	240	1	2	2	28	4	
12013	.3	12920	15	5	67	.4	3	10180	.1	10	15	37350	1610	13	7380	878	1	190	1	1600	17	1	11	1	22	32.5	85	1	1	2	40	36	
12014	.6	8720	43	2	76	.1	2	7120	.1	11	6	34960	1870	7	4420	468	1	230	1	1790	12	1	10	1	18	26.4	37	1	1	2	54	65	
12015	.9	4330	55	2	80	.2	2	6230	1.3	10	44	31200	1870	2	2770	381	2	190	1	1850	184	15	11	1	12	14.7	548	1	1	1	45	98	
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12017	.3	4200	48	1	88	.1	1	8180	.1	12	9	28520	2530	1	2560	385	1	720	1	1940	16	2	12	1	20	15.5	52	1	1	2	55	50	
12018	.4	3340	79	1	82	.2	1	7090	.1	11	11	20540	2640	1	1520	254	1	150	1	1990	11	3	11	1	12	10.7	20	1	1	1	34	52	
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12020	1.6	2770	85	1	87	.1	1	6930	.1	12	97	26060	2700	1	670	198	1	540	1	1790	153	4	12	1	11	7.1	239	1	1	2	52	270	
12021	1.0	2410	170	1	171	.1	1	6330	.1	14	37	32260	2440	1	220	144	3	640	1	1450	62	9	11	1	13	5.1	95	1	1	2	60	18	
12022	5.5	2920	197	1	105	.1	1	6210	1.3	12	40	31130	2750	1	390	112	1	40	1	2010	1335	11	12	1	13	6.9	589	1	1	1	56	665	
12023	3.1	2460	1159	1	85	.1	1	4790	.1	13	40	46250	2440	1	570	163	5	920	1	1440	144	13	10	1	11	5.2	457	1	1	2	77	788	
12024	2.7	3030	165	1	135	.1	1	5190	.1	12	55	32590	2750	1	220	42	4	70	1	1800	295	14	10	1	11	6.2	182	1	1	2	66	377	
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12027	.3	2610	124	1	165	.1	1	6610	.1	12	10	34780	2280	1	750	192	2	200	1	1660	25	2	13	1	12	5.4	38	1	1	2	57	242	
12028	1.5	2740	223	1	148	.1	2	6160	.1	12	14	40930	2520	1	980	299	1	540	1	1630	39	3	13	1	12	6.6	101	1	1	1	52	381	
12029	.3	2980	274	1	117	.1	1	6560	.1	12	32	33040	2640	1	390	285	1	630	1	2180	73	7	13	1	14	6.6	112	1	1	2	74	234	

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-93
PAGE 1 OF 9

TESTS

Meterage	Dip	Azimuth
0	-45°	27°

No dip tests possible

COLLAR SURVEY:

Northing: 9591.61
Easting: 10025.49
Elevation: 1162.11
Azimuth: 29°
Dip: -44
IP Grid Coordinates: 9600 N, 10025 E

CORE BQTW
Section: 9592N 9630N 10 025 E
Date Started: August 8/91
Date Finnished: August 9/91
Date Logged: August 11/91

Total Depth: 135.33
Casing Depth 3.0
Casing Left in: YES
Logged By: M ARCHAMBAULT
Comments: Faulting at 125-135 caused stuck rods. 18 rods and core barrel left in hole.

SAMPLE NUMBERS
12011 To 12073
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	3.0	OVERBURDEN
3.0	12.5	INTERMEDIATE FLOW, PLAGIOCLASE PORPHYRY (1.6 ØP)
12.5	26.8	INTERMEDIATE FRAGMENTAL - LAPILLI, -KSPAR-SERICITE-PYRITE, CRACKLE BRECCIA, -IRON-CARBONATE (1.5L,b,BxC,e)
26.8	31.4	BLACK CRYSTAL TUFF (1.8) 20.5-21.0 - ASH (1.5A)
		Lithology: Medium greenish grey, massive, equigranular, aphanitic – very fine grained (3.0-84.45) Shows some large fragments of the same composition as the matrix, although slightly lighter in colour, up to 5 cm in diameter sub-rounded to rounded and matrix supported. The fragments are visible up to 7.7m. Lithology is the same up to 84.45.
		Alteration: From approximately 8.4m, the rock becomes gradually more altered. The alteration is strong and pervasive, and obliterates the primary textures.
		Mineralization: Pyrite is very finely disseminated ≈5%
		Structure: On general 5 rusty fractures/m
		Alteration: 8.4-12.1 - Pale greenish grey to beige, slightly mottled – Albite alt (?) Ulmenite alt < 0.5% = finely grained in hairline crackling – not evenly distributed, mainly at 9.7m and 11.2m. Late cross-cutting quartz-calcite veinlets < 3mm wide < 1%, several orientations to c.a

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-93 PAGE 2 OF 9

Mineralization 8.4-12.1: Pyrite ≈ 5%, finely disseminated throughout gradually decreases to 1% around 11.5 m
Minor pyrite blebs in the quartz-calcite veinlets
One calcite veinlet shows calcite cleavage and striation and contains one grain of chalcopyrite

12.1-19.5 Alteration: Overall beige, with an increase in ilmenite up to 5%
Ilmenite occurs along some crackle fractures and grows out from it over 1mm and resembles a dentritic texture. It also occurs in rounded clots or patches of disseminated small grains, up to 10 cm in diameter
11.3-14.9 ≈5% Ilmenite appears to occur in the matrix leaving large massive beige fragments
14.9-17.4 Massive disseminated ilmenite ≈ 20%, no texture
17.4-19.5 Ilmenite is 10-20%. It occurs as both the above description
A late stage greyish quartz veinlet crosscuts all the other features including the ilmenite zones in 17.4-19.5 and makes them appear as large fragments in a ilmenite free matrix. These veinlets are similar in colour as the beige groundmass making it difficult to evaluate its extent. They vary from 1 veinlet/10 cm to a crackle breccia texture with 20m fragments
Structure: 12.2-12.8 - Rusty fractures ≈ 5/50 cm
Mineralization: Marked by the absence of disseminated pyrite. Large pyrite grains 0.5-1cm associated with the late quartz veining system

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-93 PAGE 3 OF 9
		19.5-34.45: Alteration: Approximate start of the potassium alteration with a gradational contact. It occurs as matrix to the euhedral plagioclase crystals. It also corresponds to the start of the very fine grained disseminated pyrite up to 5% which makes the overall rock appear darker.	
		19.5-26.8 ≈10% ilmenite	
		26.8-31.4 ≈60% ilmenite, evenly distributed and massive	
		Silica veinlets are better defined, up to 5mm wide and of various orientation ≈3%	
		Silica brecciation 26.8 to 27.9, 28.3 to 28.7	
		Mineralization: fine grained disseminated pyrite up to 5%.	
		pyrite associated with late quartz veining (Kleb)	
		-25.4 - one quartz veinlet contains a few grains of dark sphalerite.	
		<5% of the vein which is irregular 5mm to 2cm wide with medium grained (≈1mm) pyrite	
		Structure: 28.2-29.5 Rusty fractures 0-30° to c.a., appear to have been sulphide-rich veinlets where the sulphides have been leached out	
31.4	52.5	INTERMEDIATE FLOW PLAGIOCLASE PORPHYRY +/- INTERMEDIATE FRAGMENTAL - LAPILLI, K-SPAR-SERICITE-PYRITE,	
		31.4-43.25 Ilmenite occurs in fractures and as pods 10-15% BLACK OXIDE (1.6ppm-1.5Lb, e)	
		Groundmass shows large fragments 1-8cm which are K-spar altered and surrounded by late quartz se veinlets and matrix	
		Structure: Brecciation is stronger 32.6-34.0.	
		35.66 Slickensides 20° to c.a., striations parallel to c.a.	
		38.8-39.4 Rusty fractures parallel to c.a., limonite 3cm thick	
		Mineralization: Disseminated pyrite is irregularly distributed, generally associated with K-spar alteration. Coarse pyrite associated with the quartz veining	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-93 PAGE 4 OF 9
		43.24-44.4 – Overall darker coloured, contains more original mafics ≈20% with 5% of very fine disseminated pyrite. Late siliceous veinlets are very 5-10 cm and have coarse grained pyrite ≈1%	
		44.15-44.4 Heterolithic breccia with wallrock fragments, Kspar altered fragments and black, soft fragments (mudstone?) in a late silica matrix. Fragments 70%, matrix 27% and coarse grained pyrite ≈3%	
		44.4-47.3: Ilmenite in fractures ≈ 5%. Silica veinlet every 5 cm. Mineralization: Fine grained disseminated pyrite ≈2%	
52.5	58.1	INTERMEDIATE FLOW – KSPAR-SERICITE-PYRITE (1.6b) 47.2 Increase in disseminated pyrite and in silica veinlets → crackle breccia with fragments 1mm to 2cm in diameter. 47.85-58.1m Several of the pyrite veinlets also show a few grains of sphalerite and here galena and chalcopyrite. 48.3-58.1 Ilmenite – same ≈5%. Quartz veinlets irregularly distributed ≈1/1-10 cm = 2% of rock. Mineralization: Coarse pyrite in quartz veins ≈1%. Very fine grained disseminated pyrite 1-3%. 57.6 – Galena grains associated with pyrite along an irregular fracture ≈1mm	
58.1	79.0	INTERMEDIATE FRAGMENTAL – LAPILLI – KSPAR-SERICITE-PYRITE, BLACK OXIDE ± CRACKLE BRECCIA (1.5Lbe ± BxC)	
		58.1-59.7: Brecciated with fragments (1mm to 12cm) of potassically altered volcanics (and rotated) in a silica (20%) matrix. Ilmenite ≈3% along fractures. Mineralization: Fine disseminated pyrite <0.5% Coarse pyrite in silica veins <0.5%. 59.6 – 2 grains of dark red sphalerite, possibly trace of galena? in a pyrite rich quartz veinlet.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-93 PAGE 5 OF 9
		59.7 - 77.3 Increase in ilmenite to 10-15% in fractures and as pods up to 4 cm in diameter. Less silica alteration ≈ 1-3%	
		Although overall appearance does not change, K-spar alteration is absent from approximately 69 - 74 m	
		Clay alteration? gradational over 1 m of the fault at 74.5 m.	
		Mineralization: Fine grained disseminated pyrite in irregular 1-5%,	
		Pods of disseminated med grained (1 mm) pyrite is associated with	
		the ilmenite patches or pods. 71.25 - Sphalerite grains in fractures.	
		61.6 - Possibly? some black sphalerite associated with pyrite and ilmenite	
		in late quartz breccia matrix	
		Structure: 74.8 - 4 cm gouge, 45° to c.a.	
79.0	97.75	INTERMEDIATE FRAGMENTAL - LAPILLI, -SERICITE +/- KSPAR - SERICITE - PYRITE (1.5 L a, +/- b)	
		77.3 - 84.45 - No Kspar alteration - Same beige colour with increase in ilmenite in	
		fractures and pods to 30%	
		Silica = trace on hairline fractures.	
		Mineralization: Coarse pyrite along fractures <1%	
		78.7 - 78.9 - gouge zone 1-2 cm wide subparallel to c.a.	
		81.45 - Sharp fault plane 45° to c.a.	
		84.45 - 85.35	
		ANDESITIC ASH TUFF	
		Lithology: Medium greyish brown, foliated, shows slight compositional banding, aphanitic	
		Structure: Foliation 50° to c.a. 85.25 4 cm gouge zone 55° to c.a.	
		Alteration: Ilmenite absent. Not tested for K spar	

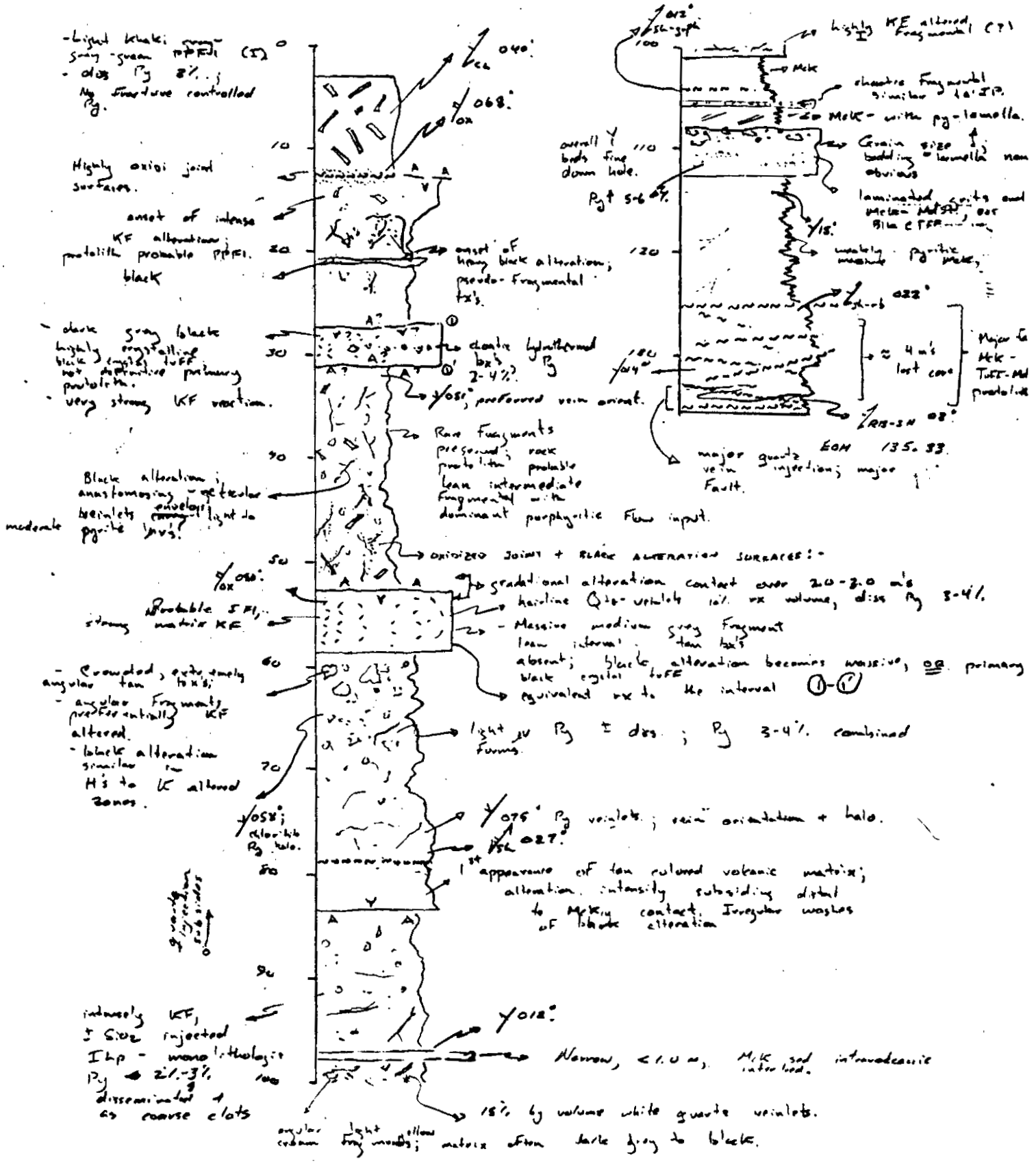
METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-93 PAGE 6 OF 9
		85.3 - 97.75	
		Lithology: Med grey fragments with size from 1 mm to 30 cm in diameter rounded to sub-rounded fragments supported; two types, 1- mainly (95%) volcanic fragments 2- (5%) of mudstone fragments. From 92.0 to 97.75 fragments are more angular and larger 1mm to 6 cm	
		Structure: Foliation of a tuffaceous layer 55° to c.a. 95.7 - 97.75 Rock type difficult to identified	
		Alteration: Fragment are strongly K altered and the matrix is partly K altered and partly silicified Late silica veinlets cross-cut the fragments variable intensity 1-5% increases around 89m Ilmenite alt. increases at approx 86.0m and makes up the matrix of short brecciated zones 20 cm wide	
		Fine disc. pyrite occurs in preferential pebbles	
		Coarse pyrite associated with the quartz veinlets	
		from 92.0 to 97.75 fragments are more angular and larger → ilmenite alteration increases to 30-40%, but irregular	
97.75	98.5	BLACK TUFFACEOUS MUDSTONE (2.8)	
		Lithology: Black mudstone and med grey siltstones, laminations <1mm to 0.5 cm.	
		Structure: Bedding 20° to c.a. upper contact 30° to c.a. parallel to mudstone laminations	
		Alteration: Quartz veinlets cutting across and brecciating <1mm to 3 mm	
		Mineralization: Fine grained pyrite in preferential beds and coarse grained py upto 5 mm grains mainly associated with quartz veinlets.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-93 PAGE 7 OF 9
98.5	100.85	INTERMEDIATE FRAGMENTAL - LAPILLI - K-SPAR - SERICITE - PYRITE (1.5 L b)	
		Lithology: Pale grey fragments are sub rounded to sub angular from <1 mm to 5 cm mainly composed of K altered volcanic fragments with a few mudstone fragments ≤1%	
		Structure: Brecciation Contacts: upper sharp but irregular ≈60° To c a lower sharp but irregular ≈25° To c a follows mudstone laminations	
		Alteration: Strong K spar alt of the fragments - Minor ilmenite alt in pods <5% Quartz veinlets and brecciation ≈10%	
		Mineralization: Pyrite medium grained associated with ilmenite pod ≈1% Pyrite in fractures ≈1% fine to med grained 99.4 - 99.8 Sphalerite med reddish brown grained 0.1 mm up to 2 mm in diameter, associated with pyrite in irregular fractures	
100.85	105.0	BLACK TUFFACEOUS MUDSTONE (2.8)	
		Lithology: Massive fine grained sandstone (arenite?), med grey with 20 cm of brecciated volcaniclastics as in	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-93 PAGE 8 OF 9
		above unit and 20cm of black mudstones	
		Structure: upper contact: depositional 20° to c.a.	
		lower contact: sharp but irregular	
		Alteration: late quartz veinlets <1mm wide = 1%	
		Mineralization: Coarse pyrite grains 0.5-3mm in diameter in fractures associated with quartz veining	
		102.95 Sphalerite (dark red) + less galena associated with pyrite in a late quartz vein	
		2-4 cm wide, and in small fractures at angle with the vein = 5% of the vein	
105.0	105.5	INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA (1.7)	
105.5	108.0	BLACK TUFFACEOUS MUDSTONE (2.8) +/- BLACK SULPHIDIC MUDSTONE (2.7)	
108.0	112.5	QUARTZ AND LITHIC WACKE (2.6) +/- BLACK TUFFACEOUS MUDSTONE (2.8) +/- BLACK CRYSTAL TUFF (1.8)	
112.5	135.33	BLACK TUFFACEOUS MUDSTONE (2.8)	
		Lithology: Interval dominated by black mudstone with lesser pitty beds <1cm and laminations	
		and pyritic laminations in places, and thicker beds of sandstones and conglomerate	
		105.5-106.3 Polymictic conglomerates: dominated by volcanic fragments with less than	
		1% of mudstone and pyrite fragments. Clasts are sub-rounded, from 2mm to 1.5cm.	
		clast supported with ≈ 40% matrix. Matrix contains smaller volcanic fragments	
		.5-2mm in a black cement	
		Alteration: fragments may be altered(?) to Kaps - Pyrite in pebbles appear to be replacement	
		Minor qtz-carb veinlets <1mm (3/m)	
		Structure: Bedded contacts 30° to c.a. = upper contact	
		45° to c.a = lower contact	
		107.8-110.1: Conglomeratic sandstones, mainly medium grained sandstone <1mm grain size	
		generally massive with 20-30cm beds containing matrix supported 20-30% pebbles	
		0.5-1.5cm in diameter pebbles mainly of volcanic origin, trace of pyrite pebbles	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-93 PAGE 9 OF 9
		Alteration: Volcanic pebbles may be? Kaper altered	
		Pyrite in pebbles may be replacement	
		110.1-117.5 Mudstone (80%) is interbedded with siltstone (19%) and fine grained sandstone (1%) with	
		minor pyrite laminations (1%) ≤3 mm thick at the base of some of the sandstone beds	
		Structure bedding 111.6 m 20° to ca	
		115 m 20° to ca	
		Structure: 103.7-104.2 Faulted out - parallel to ca	
		104.8-105 Slickenside 20° to ca. graphitic - quartz veining 8 cm wide	
		105.4 Slickenside 15° to ca	
		119.5 Slickenside 15° to ca parallel to bedding	
		127.4-135.3 Major fault zone, core broken in pieces ≤3 cm, poor recovery	
		Slickensides 124 m 40° & 15° to ca	
		108.0 Slickensides ~~10~~ 30 & 50° to ca	
		Alteration: Minor quartz-carbonate veinlets 5-7/m ≤1 mm wide high angle to ca 10-90° to ca.	
		Quartz vein in shear zone 127.4-135.3 - broken	
		Mineralization: 108.0-108.5 Veins of dark red sphalerite ≈2 mm associated with pyrite in fractures and veinlets	
		≤1 cm wide Sphalerite ≈ 2% of interval	
		Pyrite ≈ 5% of interval	
		Galena ≈ <0.5% 1 or 2 grains	
		135.33 End of hole	

DDH 90 - 93.



NOTE: From ≈ - 80 m's to the roller surface occur at approximately 3-5 OXIDIZED JOINT frequency of /m.

- below the 80 m mark the ρ of ox joint surfaces is greatly reduced.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-93	12011	3.05	5.00	1.95	-	-	9	-	-	0.7	18	6	76	-	59	248	294	42740	7390
91-93	12012	5.00	7.00	2.00	-	-	4	-	-	0.3	11	2	65	-	22	65	240	37360	8840
91-93	12013	7.00	9.00	2.00	-	-	36	-	-	0.3	15	1	67	-	15	17	85	37350	10180
91-93	12014	9.00	11.00	2.00	-	-	65	-	-	0.6	43	1	76	-	6	12	37	34960	7120
91-93	12015	11.00	13.00	2.00	-	-	98	-	-	0.9	55	15	80	-	44	184	548	31200	6230
91-93	12016	13.00	15.00	2.00	-	-	19	-	-	0.3	26	2	125	-	8	10	56	29770	6920
91-93	12017	15.00	17.00	2.00	-	-	50	-	-	0.3	48	2	88	-	9	16	52	28520	8180
91-93	12018	17.00	19.00	2.00	-	-	52	-	-	0.4	79	3	82	-	11	11	20	20540	7090
91-93	12019	19.00	21.00	2.00	-	-	16	-	-	0.8	94	2	93	-	17	12	13	20650	7030
91-93	12020	21.00	23.00	2.00	-	-	270	-	-	1.6	85	4	87	-	97	153	239	26060	6930
91-93	12021	23.00	25.00	2.00	-	-	18	-	-	1.0	170	9	171	-	37	62	95	32260	6330
91-93	12022	25.00	27.00	2.00	-	-	665	-	-	5.5	197	11	105	-	40	1335	589	31130	6210
91-93	12023	27.00	29.00	2.00	-	-	788	-	-	3.1	1159	13	85	-	40	144	457	46250	4790
91-93	12024	29.00	31.00	2.00	-	-	377	-	-	2.7	165	14	135	-	55	295	182	32590	5190
91-93	12025	31.00	33.00	2.00	-	-	438	-	-	1.1	101	8	81	-	64	354	689	31030	6640
91-93	12026	33.00	35.00	2.00	-	-	134	-	-	0.3	104	4	97	-	11	36	117	38210	7000
91-93	12027	35.00	37.00	2.00	-	-	242	-	-	0.3	124	2	165	-	10	25	38	34780	6610
91-93	12028	37.00	39.00	2.00	-	-	381	-	-	1.5	223	3	148	-	14	39	101	40930	6160
91-93	12029	39.00	41.00	2.00	-	-	234	-	-	0.3	274	7	117	-	32	73	112	33040	6560
91-93	12030	41.00	43.00	2.00	-	-	150	-	-	0.3	95	3	89	-	14	18	59	29350	5670
91-93	12031	43.00	45.00	2.00	-	-	416	-	-	0.3	144	3	75	-	23	45	130	36840	6290
91-93	12032	45.00	47.00	2.00	-	-	228	-	-	0.3	194	4	106	-	19	133	235	40600	7040
91-93	12033	47.00	49.00	2.00	-	-	628	-	-	1.0	313	18	102	-	54	367	385	46400	8700
91-93	12034	49.00	51.00	2.00	-	-	280	-	-	2.4	148	12	128	-	123	456	1630	33580	5750
91-93	12035	51.00	53.00	2.00	-	-	533	-	-	3.5	297	61	105	-	300	1266	4769	33750	5100
91-93	12036	53.00	55.00	2.00	-	-	535	-	-	2.0	166	12	95	-	96	269	521	31160	5060
91-93	12037	55.00	57.00	2.00	-	-	258	-	-	5.3	138	12	91	-	702	2988	5324	25710	4160
91-93	12038	57.00	59.00	2.00	-	-	600	-	-	3.4	152	24	99	-	306	2141	790	26550	4780
91-93	12039	59.00	61.00	2.00	-	-	190	-	-	0.6	123	10	156	-	23	60	46	26300	6100
91-93	12040	61.00	63.00	2.00	-	-	95	-	-	0.6	83	10	95	-	14	281	69	24080	7620
91-93	12041	63.00	65.00	2.00	-	-	157	-	-	0.9	208	7	183	-	12	101	71	27250	7990
91-93	12042	65.00	67.00	2.00	-	-	101	-	-	0.7	88	5	85	-	31	138	70	26750	6150
91-93	12043	67.00	69.00	2.00	-	-	66	-	-	0.2	53	2	89	-	10	25	85	30420	6890
91-93	12044	69.00	71.00	2.00	-	-	94	-	-	0.4	76	4	161	-	13	68	88	32770	6120
91-93	12045	71.00	73.00	2.00	-	-	142	-	-	0.8	99	10	133	-	38	841	791	37130	6380
91-93	12046	73.00	75.00	2.00	-	-	130	-	-	0.6	65	37	122	-	75	196	493	34030	7740
91-93	12047	75.00	77.00	2.00	-	-	80	-	-	0.1	97	1	101	-	6	17	25	47330	9210
91-93	12048	77.00	79.00	2.00	-	-	62	-	-	0.1	174	5	81	-	10	19	51	45840	7960
91-93	12049	79.00	81.00	2.00	-	-	112	-	-	0.2	71	4	62	-	10	84	59	35880	7080
91-93	12050	81.00	83.00	2.00	-	-	164	-	-	0.4	86	30	175	-	14	500	35	44330	6210
91-93	12051	83.00	85.00	2.00	-	-	120	-	-	0.4	129	9	88	-	9	42	92	36600	6020
91-93	12052	85.00	87.00	2.00	0.89	0.026	1060	-	-	3.2	141	27	86	-	30	1654	162	21260	5500
91-93	12053	87.00	89.00	2.00	-	-	184	-	-	1.0	114	19	199	-	17	46	108	18070	8130
91-93	12054	89.00	91.00	2.00	2.81	0.082	2600	-	-	13.6	411	596	123	-	1176	2845	3471	33870	8070
91-93	12055	91.00	93.00	2.00	-	-	328	-	-	2.2	371	16	99	-	30	133	327	20590	5980
91-93	12056	93.00	95.00	2.00	2.19	0.064	1240	-	-	4.5	356	28	212	-	27	415	114	21290	6270
91-93	12057	95.00	97.00	2.00	1.84	0.054	1175	-	-	4.3	236	13	96	445	38	808	771	23730	7020
91-93	12058	97.00	99.00	2.00	2.47	0.072	2140	-	-	5.8	421	18	98	800	59	3154	1901	29950	6280
91-93	12059	99.00	101.00	2.00	0.99	0.029	1000	-	-	4.6	192	21	125	3465	117	816	7135	26930	6330
91-93	12060	101.00	103.00	2.00	-	-	340	-	-	2.8	154	39	146	610	98	517	712	17950	6140
91-93	12061	103.00	105.00	2.00	-	-	571	-	-	2.1	245	11	111	490	41	330	587	38830	7180

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-93	12062	105.00	107.00	2.00	-	-	136	-	-	1.3	103	8	158	290	30	82	94	34710	5540
91-93	12063	107.00	109.00	2.00	-	-	112	-	-	1.9	88	10	122	2090	107	1242	4744	24670	7450
91-93	12064	109.00	111.00	2.00	-	-	109	-	-	2.2	86	7	88	670	88	944	1728	28070	5820
91-93	12065	111.00	113.00	2.00	-	-	270	-	-	1.2	84	7	99	175	51	39	34	39890	5640
91-93	12066	113.00	115.00	2.00	-	-	125	-	-	1.4	72	5	108	300	75	255	473	29830	6270
91-93	12067	115.00	117.00	2.00	-	-	110	-	-	1.4	75	5	150	190	65	42	54	39110	5080
91-93	12068	117.00	119.00	2.00	-	-	94	-	-	3.3	148	8	198	430	141	361	673	30660	7690
91-93	12069	119.00	121.00	2.00	-	-	96	-	-	1.3	155	7	112	210	32	74	47	40870	8020
91-93	12070	121.00	123.00	2.00	-	-	34	-	-	1.3	51	8	114	220	29	31	53	30000	6890
91-93	12071	123.00	125.00	2.00	-	-	49	-	-	0.9	39	5	585	175	40	47	85	27610	9000
91-93	12072	125.00	130.45	5.45	-	-	45	-	-	0.7	56	5	97	195	31	38	77	42890	22750
91-93	12073	130.45	135.33	4.88	-	-	17	-	-	0.8	35	3	109	120	13	33	95	21960	18210

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ71+72
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
11974	1.8	11520	56	8	135	.3	1	19030	3.1	10	75	46960	4730	10	7850	637	4	610	21	3090	27	4	52	1	25	80.1	362	2	1	2	35	24	1430
11975	2.6	9340	55	6	119	.4	1	24370	8.4	8	64	40450	3900	7	10720	830	3	980	17	2420	29	6	63	1	20	85.7	502	3	1	2	35	9	1550
11976	4.2	13230	68	11	157	.4	1	26220	11.2	9	79	46880	5740	6	7270	541	8	1020	24	8200	33	7	112	1	29	136.5	661	3	1	3	45	17	1840
11977	2.5	16120	61	14	240	.6	1	29860	4.4	11	76	50890	6500	5	9170	739	6	610	19	7700	28	7	129	1	30	118.2	480	3	1	3	60	21	1155
11978	.7	7280	25	7	109	.2	1	26170	.8	14	45	48450	3260	8	9000	1421	5	660	1	2040	24	4	83	1	15	52.5	260	2	1	2	41	4	695
11979	1.0	7240	37	5	303	.4	1	20790	1.3	11	63	42960	3300	4	10610	1133	3	730	15	850	28	6	66	1	14	49.5	292	3	1	2	38	7	825
11980	.8	7120	34	5	120	.6	1	16590	3.7	12	74	45450	3360	4	8820	950	2	650	17	1120	26	7	51	1	15	49.3	389	3	1	2	38	12	845
11981	1.3	3380	33	1	56	.5	2	62270	7.6	5	88	19740	1660	1	4730	991	5	970	9	280	20	8	97	1	21	19.7	848	4	1	4	90	8	760
11982	.5	5630	17	2	126	2.7	2	19250	.2	2	12	21450	3300	3	11200	451	3	200	1	60	14	1	75	3	48	4.3	253	5	1	3	74	1	
11983	.7	2430	46	1	75	.5	2	19190	.1	2	18	13970	1130	1	5290	369	9	570	2	40	17	5	43	1	43	3.6	126	4	1	6	154	6	
11984	.6	1830	29	1	24	.3	1	12320	.1	1	8	10760	820	1	4300	239	5	540	1	50	17	2	26	1	39	2.1	90	4	1	6	140	3	
11985	.7	1580	26	1	18	.2	1	15500	.1	1	7	10360	580	1	5030	299	7	600	1	20	10	2	27	1	33	2.7	84	4	1	5	133	2	
11986	.8	3410	45	1	47	1.0	1	18120	.1	2	8	14200	1880	1	6320	323	5	320	1	30	18	1	53	2	45	2.7	123	5	1	5	118	5	
11987	.8	1600	29	1	22	.4	1	15680	.1	1	13	8500	730	1	3470	239	4	460	1	30	13	2	31	1	36	2.4	150	4	1	4	109	1	
11988	.8	2730	34	1	32	.7	1	25010	.1	2	8	14660	1440	1	8910	432	6	370	1	20	19	2	60	1	37	3.0	100	5	1	5	127	3	
11989	.9	4230	28	1	54	1.6	2	27810	.1	3	6	19880	2540	2	13240	420	7	210	1	30	20	2	90	2	39	3.5	89	6	1	4	93	12	
11990	.8	3740	38	1	40	1.2	1	19260	.1	2	5	14920	2500	1	5060	318	6	180	1	20	22	3	32	1	40	2.2	88	5	1	4	112	2	
11991	.8	2520	36	1	27	.5	1	17450	.1	1	7	10170	1320	2	2480	242	8	470	1	30	14	3	28	1	42	2.2	89	4	1	5	122	2	
11992	1.2	2080	31	1	22	.2	2	58090	.1	1	6	8610	1170	1	2570	660	4	280	2	50	13	3	49	1	32	3.3	120	5	1	5	117	1	
11993	1.7	5590	81	3	98	1.0	3	76170	6.7	7	50	22110	3040	2	4010	1000	28	490	61	630	29	31	228	1	13	37.2	576	6	1	3	52	8	960
11994	1.7	5500	70	2	73	.9	3	76020	4.7	8	57	33400	3100	1	3430	1115	45	540	61	880	37	33	180	1	14	34.6	504	5	1	2	47	14	945
11995	2.1	9950	53	4	107	1.9	2	51920	5.0	10	69	35440	5090	3	7440	945	20	710	46	2020	43	32	112	1	22	68.2	569	5	1	3	51	19	700
11996	2.7	9850	122	3	100	2.1	1	29180	9.8	12	95	38510	5300	2	3600	595	60	860	131	1290	80	65	78	1	20	74.4	1010	4	1	2	40	43	1160
11997	1.0	5810	78	1	50	1.4	1	10630	.7	5	27	21810	3320	2	2610	197	30	550	41	460	37	20	21	1	25	22.2	427	3	1	3	76	8	515
11998	.5	7940	38	1	53	2.1	1	7330	.1	3	9	19020	3570	6	4640	161	12	1110	1	60	34	5	14	1	50	3.3	172	4	1	4	87	2	
11999	.7	5790	51	1	38	1.3	1	13960	.1	4	13	30260	3050	4	2600	193	11	580	1	30	37	7	19	1	41	2.1	148	3	1	3	83	3	
12000	.7	2990	40	1	36	.8	1	19210	.1	2	6	14750	2350	1	880	233	7	40	1	20	21	4	29	1	29	1.7	70	2	1	3	91	1	
12001	.7	5140	58	13	66	1.3	3	18110	.1	3	9	23280	3730	6	1840	236	7	80	1	20	36	9	27	8	48	2.7	102	2	1	4	86	2	
12002	1.3	3770	60	8	50	1.0	4	70130	.1	2	6	12960	2880	3	1730	833	8	50	1	60	28	6	142	3	32	3.5	73	4	1	4	81	1	
12003	.7	5370	43	7	48	1.2	2	22400	.1	3	7	18520	3680	2	1710	301	9	90	1	20	21	5	32	7	38	3.3	96	2	1	4	94	10	
12004	.9	4040	52	4	37	.8	1	37590	.1	9	12	20160	2390	2	1630	539	11	220	13	190	19	7	48	4	39	11.3	64	3	1	5	114	2	
12005	.5	3500	58	5	38	.1	1	61460	.1	15	29	44850	2200	1	1370	627	13	330	14	500	26	10	79	1	38	24.5	39	1	1	4	101	1	
12006	.5	3500	45	4	61	.6	1	27310	.1	11	19	24800	2280	1	1290	407	17	320	14	370	18	6	37	2	30	13.8	50	1	1	7	164	5	
12007	.4	5590	28	4	83	2.6	2	12090	.1	3	8	13970	3410	2	2860	209	7	110	3	40	23	4	23	4	34	2.4	131	2	1	4	92	1	
12008	.8	5580	22	4	61	1.9	2	22470	.1	3	8	12900	3260	3	4440	336	8	170	8	40	18	3	44	5	38	2.5	77	3	1	6	152	2	
12009	.5	7530	29	4	37	1.7	2	19950	.1	12	17	20420	4160	3	2920	274	2	160	19	420	17	6	33	4	44	19.6	82	3	1	5	106	2	
12010	70.1	7960	44	12	728	.4	2	32680	6.7	7	223	35530	3290	4	13870	889	120	7200	14	1940	63	6	133	2	46	71.3	463	4	1	14	171	8	
12011	.7	16390	18	19	76	1.1	5	7390	.1	16	59	42740	1300	28	10440	1084	1	230	1	1710	248	6	12	5	57	51.7	294	1	3	3	44	9	
12012	.3	14020	11	10	65	.7	3	8840	.1	12	22	37360	1540	19	8780	974	1	190	1	1580	65	2	12	3	24	34.3	240	1	2	2	28	4	
12013	.3	12920	15	5	67	.4	3	10180	.1	10	15	37350	1610	13	7380	878	1	190	1	1600	17	1	11	1	22	32.5	85	1	1	2	40	36	
12014	.6	8720	43	2	76	.1	2	7120	.1	11	6	34960	1870	7	4420	468	1	230	1	1790	12	1	10	1	18	26.4	37	1	1	2	54	65	
12015	.9	4330	55	2	80	.2	2	6230	1.3	10	44	31200	1870	2	2770	381	2	190	1	1850	184	15	11	1	12	14.7	548	1	1	1	45	98	
12016	.3	3130	26	1	125	.1	2	6920	.1	10	8	29770	2320	1	2530	373	1	210	1	1880	10	2	12	1	12	11.9	56	1	1	1	39	19	
12017	.3	4200	48	1	88	.1	1	8180	.1	12	9	28520	2530	1	2560	385	1	720	1	1940	16	2	12	1	20	15.5	52	1	1	2	55	50	
12018	.4	3340	79	1	82	.2	1	7090	.1	11	11	20540	2640	1	1520	254	1	150	1	1990	11	3	11	1	12	10.7	20	1	1	1	34	52	
12019	.8	3140	94	1	93	.1	1	7030	.1	11	17	20650	2960	1	550	123	1	170	1	1920	12	2	11	1	12	7.5	13	1	1	1	42	16	
12020	1.6	2770	85	1	87	.1	1	6930	.1	12	97	26060	2700	1	670	198	1	540	1	1790	153	4	12	1	11	7.1	239	1	1	2	52	270	
12021	1.0	2410	170	1	171	.1	1	6330	.1	14	37	32260	2440	1	220	144	3	640	1	1450	62	9	11	1	13	5.1	95	1	1	2	60	18	
12022	5.5	2920	197	1	105	.1	1	6210	1.3	12	40	31130	2750	1	390	112	1	40	1	2010	1335	11	12	1	13	6.9	589	1	1	1	56	665	
12023	3.1	2460	1159	1	85	.1	1	4790	.1	13	40	46250	2440	1	570	163	5	920	1	1440	144	13	10	1	11	5.2	457	1	1	2	77	788	
12024	2.7	3030	165	1	135	.1	1	5190	.1	12	55	32590	2750	1	220	42	4	70	1	1800	295	14	10	1	11	6.2	182	1	1	2	66	377	
12025	1.1	2380	101	1	81	.1	1	6640	1.9	13	64	31030	2520	1	850	209	1	90	1	1780	354	8	12	1	11	6.9	689	1	1	1	48	438	
12026	.3	3530	104	2	97	.1	1	7000	.1	15	11	38210	2850	1	2210	412	1	120	1	1770	36	4	13	1	10	9.3	117	1	1	3	74	134	
12027	.3	2610	124	1	165	.1	1	6610	.1	12	10	34780	2280	1	750	192	2	200	1	1660	25	2	13	1	12	5.4	38	1	1	2	57	242	
12028	1.5	2740	223	1	148	.1	2	6160	.1	12	14	40930	2520	1	980	299	1	540	1	1630	39	3	13	1	12	6.6	101	1	1	1	52	381	
12029	.3	2980	274	1	117	.1	1	6560	.1	12	32	33040	2640	1	390	285	1	630	1	2180	73	7	13	1	14	6.6	112	1	1	2	74	234	

91-93

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ73+74
DATE: 91/10/1/
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12030	.3	2840	95	1	89	.1	1	5670	.1	11	14	29350	2470	1	1110	250	1	140	1	1640	18	3	10	1	10	7.1	59	1	1	1	49	150	
12031	.3	2270	144	1	75	.1	1	6290	.1	13	23	36840	2090	1	810	182	1	170	1	1780	45	3	11	1	12	6.1	130	1	1	1	52	416	
12032	.3	2490	194	1	106	.1	1	7040	.1	12	19	40600	2380	1	620	127	1	180	1	1840	133	4	13	1	12	4.5	235	1	1	3	90	228	
12033	1.0	2530	313	1	102	.1	2	8700	.1	14	54	46400	2400	1	810	196	2	80	1	2640	367	18	21	1	8	5.4	385	1	1	1	59	628	
12034	2.4	2120	148	1	128	.1	1	5750	5.9	10	123	33580	1980	1	570	206	1	180	1	1470	456	12	10	1	10	5.1	1630	1	1	1	55	280	
12035	3.5	1990	297	1	105	.1	1	5100	28.7	10	300	33750	1890	1	370	108	3	180	1	1390	1266	61	10	1	9	5.0	4769	1	1	1	77	533	
12036	2.0	2300	166	1	95	.1	1	5060	1.1	12	96	31160	2060	1	500	160	3	110	1	1330	269	12	8	1	11	6.5	521	1	1	2	66	535	
12037	5.3	2440	138	1	91	.1	1	4160	39.6	10	702	25710	2010	1	180	92	7	160	1	1290	2988	12	9	1	14	6.5	5324	1	1	1	74	258	
12038	3.4	2610	152	1	99	.1	1	4780	2.5	10	306	26550	2160	1	210	73	3	120	1	1250	2141	24	8	1	12	5.6	790	1	1	2	77	600	
12039	.6	2520	123	1	156	.1	1	6100	.1	11	23	26300	2060	1	480	85	5	130	1	1520	60	10	12	1	10	4.0	46	1	1	2	66	190	
12040	.6	2460	83	1	95	.1	2	7620	.1	10	14	24080	2160	1	1000	208	2	80	1	1310	281	10	13	1	13	5.7	69	1	1	2	50	95	
12041	.9	3520	208	10	183	.1	5	7990	.1	10	12	27250	2710	4	980	159	3	180	1	1730	101	7	14	1	16	9.1	71	1	1	4	93	157	
12042	.7	4490	88	3	85	.1	1	6150	.1	12	31	26750	3040	1	490	90	2	100	1	1770	138	5	10	1	24	12.0	70	1	1	3	60	101	
12043	.2	4400	53	1	89	.1	2	6890	.1	11	10	30420	3010	1	1690	332	1	180	1	1790	25	2	12	1	23	15.4	85	1	1	3	58	66	
12044	.4	4310	76	1	161	.1	1	6120	.1	13	13	32770	3040	1	1190	211	1	180	1	1690	68	4	10	1	18	12.5	88	1	1	2	60	94	
12045	.8	3670	99	1	133	.1	1	6380	4.8	14	38	37130	2670	1	1110	245	1	190	1	1680	841	10	11	1	17	10.4	791	1	1	2	50	142	
12046	.6	3330	65	1	122	.1	1	7740	1.6	12	75	34030	2390	1	1590	392	1	180	1	1550	196	37	14	1	11	7.5	493	1	1	2	45	130	
12047	.1	3220	97	1	101	.1	1	9210	.1	17	6	47330	2440	1	3190	604	1	50	1	1820	17	1	17	1	13	9.3	25	1	1	3	63	80	
12048	.1	2930	174	1	81	.1	1	7960	.1	16	10	45840	2440	1	3480	730	1	40	1	1720	19	5	15	1	12	8.8	51	1	1	1	30	62	
12049	.2	3560	71	1	62	.1	1	7080	.1	10	10	35880	2800	1	4090	866	1	170	1	1740	84	4	13	2	11	11.4	59	2	1	2	30	112	
12050	.4	4210	86	1	175	.1	1	6210	.1	14	14	44330	2450	1	4520	849	1	210	1	1610	500	30	11	1	12	17.9	35	2	1	3	60	164	
12051	.4	3700	129	1	88	.1	1	6020	.1	12	9	36600	2890	1	3260	573	1	80	1	1180	42	9	10	1	11	9.3	92	2	1	2	37	120	
12052	3.2	2890	141	1	86	.1	1	5500	.1	14	30	21260	2450	1	890	141	4	100	1	1040	1654	27	10	1	11	6.8	162	1	1	3	66	1060	
12053	1.0	2870	114	1	199	.1	1	8130	.1	7	17	18070	2550	1	1310	217	5	70	1	1250	46	19	14	1	9	6.6	108	1	1	3	79	184	
12054	13.6	2320	411	1	123	.1	1	8070	20.7	9	1176	33870	2110	1	1280	209	3	100	1	930	2845	596	16	1	8	5.7	3471	1	1	2	75	2600	
12055	2.2	1820	371	1	99	.1	1	5980	.1	8	30	20590	1940	1	370	90	2	100	1	1000	133	16	10	1	9	4.9	327	1	1	3	68	328	
12056	4.5	2500	356	1	212	.1	1	6270	.1	6	27	21290	2080	1	440	99	2	70	1	1070	415	28	13	1	8	5.7	114	1	1	4	98	1240	
12057	4.3	3200	236	1	96	.1	1	7020	1.8	8	38	23730	2810	1	280	78	1	120	1	1320	808	13	16	1	13	7.4	771	1	1	2	64	1175	445
12058	5.8	2790	421	1	98	.1	1	6280	7.5	14	59	29950	2330	1	240	85	8	90	1	890	3154	18	13	1	10	6.7	1901	1	1	2	70	2140	800
12059	4.6	2450	192	1	125	.1	1	6330	44.1	13	117	26930	2230	1	220	92	4	160	1	1150	816	21	16	1	14	6.8	7135	1	1	2	102	1000	3465
12060	2.8	2920	154	1	146	.1	1	6140	1.9	11	98	17950	2330	1	380	103	7	170	1	1040	517	39	13	1	14	7.7	712	2	1	2	53	340	610
12061	2.1	3500	245	1	111	.1	1	7180	.1	15	41	38830	2760	1	1220	284	9	70	1	860	330	11	18	2	11	8.0	587	2	1	2	53	571	490
12062	1.3	3350	103	1	158	.1	1	5540	.1	12	30	34710	2680	1	1870	342	7	140	1	890	82	8	13	1	15	10.3	94	2	1	2	51	136	290
12063	1.9	3250	88	1	122	.1	1	7450	27.1	9	107	24670	2650	1	500	136	3	150	1	980	1242	10	16	1	14	8.2	4744	1	1	1	45	112	2090
12064	2.2	2760	86	1	88	.1	1	5820	8.6	11	88	28070	2320	1	440	119	5	160	1	830	944	7	7	1	13	7.1	1728	1	1	2	47	109	670
12065	1.2	3910	84	1	99	.1	1	5640	.1	12	51	39890	2940	1	1270	224	2	150	1	780	39	7	8	1	16	11.3	34	1	1	2	58	270	175
12066	1.4	4560	72	1	108	.1	1	6270	.5	10	75	29830	3000	1	1460	260	3	160	1	910	255	5	8	1	19	12.4	473	1	1	2	38	125	300
12067	1.4	7040	75	1	150	.1	1	5080	.1	15	65	39110	3750	1	2750	435	3	140	1	960	42	5	8	2	24	20.0	54	2	1	2	42	110	190
12068	3.3	7030	148	1	198	.1	1	7690	.1	8	141	30660	2760	2	2930	495	7	220	1	1350	361	8	13	3	23	18.2	673	3	1	2	52	94	430
12069	1.3	6110	155	1	112	.1	1	8020	.1	13	32	40870	3030	1	3540	685	27	230	1	1660	74	7	17	3	24	22.8	47	3	1	2	38	96	210
12070	1.3	6210	51	1	114	.3	1	6890	.1	11	29	30000	3340	1	3380	571	21	190	1	1100	31	8	12	3	21	16.7	53	4	1	2	31	34	220
12071	.9	4390	39	5	585	.1	1	9000	.1	10	40	27610	2890	1	4500	879	5	540	1	1050	47	5	24	1	14	10.3	85	1	1	1	34	49	175
12072	.7	4410	56	3	97	.1	2	22750	.1	11	31	42890	2750	1	11120	2029	3	590	1	850	38	5	83	1	11	13.4	77	2	1	2	40	45	195
12073	.8	3330	35	1	109	.1	1	18210	.1	6	13	21960	2190	1	7120	1409	8	570	2	420	33	3	56	1	14	8.9	95	3	1	9	222	17	120
12074	.4	10590	17	1	132	.2	1	17420	.1	10	35	26200	2380	13	10570	486	4	1010	36	590	23	1	94	1	25	29.8	164	4	1	4	100	5	175
12075	1.2	8180	21	2	126	.4	1	24200	.1	11	30	24670	2980	12	8610	621	2	720	35	600	21	1	175	1	17	28.7	89	4	1	3	74	2	120
12076	.6	13050	30	3	164	.6	2	15700	.1	12	35	30390	3660	14	9850	484	6	650	46	690	25	2	97	2	42	43.9	157	6	1	5	101	2	185
12077	.5	8470	15	1	132	.6	1	17550	.1	11	32	25210	2930	9	9890	515	2	660	47	590	20	1	109	2	15	25.9	93	4	1	3	70	1	135
12078	.3	18320	17	2	197	.4	1	19990	.1	14	41	30590	3760	20	11170	508	2	670	83	660	20	1	115	1	40	45.8	96	5	1	3	76	4	210
12079	.2	20810	18	2	163	.6	1	12510	.1	15	47	31770	3790	26	12330	336	3	650	86	700	19	1	83	1	42	53.9	111	5	1	3	83	3	200
12080	.3	13860	15	1	144	.3	1	13750	.1	13	40	28100	3300	16	10350	390	4	580	75	900	18	1	94	1	24	40.8	124	4	1	3	79	9	210
12081	.2	26280	21	5	236	.6	2	8760	.1	16	65	36690	5630	25	13640	198	4	560	108	750	22	1	68	1	53	84.2	440	6	1	3	72	6	310
12082	.2	25700	18	4	220	.5	2	7530	.1	15	59	35700	5360	26	13820	201	4	570	109	640	18	1	60	1	50	72.1	344	5	1	3	69	2	300
12083	.8	21130	17	4	232	.6	2	25960	.1	12	62	34700	5060	25	18000	537	6	550	84	830	19	1	162	1	32	71.6	337	4	1	3	83	7	265
12084	.5	20520	24	4	204	.8	2	15610	.1	15	70	35180	5110	35	13680	314	8	850	131	810	19	1	103	1	28	75.0	384	4	1	3	64	3	400
12085	.8	9040	27	1	96	.2	1	31260	.1	9	25	20600	1420	14	11440	372	4	540	84	650	11	1	164	1	24	33.0	53	5	1	6	151	2	130

91-93

MIN-EN VIRONMENTAL LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
70[illegible] WEST 15TH STREET
N[illegible] VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

91-93

Assay Certificate

1S-0459-RA1

Company: COPELAND REBAGLIATI & ASSOC.
Project: 9101
Attn: MARK REBAGLIATI

Date: AUG-26-91
Copy 1. COPELAND REBAGLIATI & ASSOC., VAN.,B.C.
2. COPELAND REBAGLIATI, C/O MIN-EN LABS.

We hereby certify the following Assay of 6 CORE samples submitted AUG-16-91 by DARREN WILSON.

Sample Number	AU g/tonne	AU oz/ton
12052	.89	.026
12054	2.81	.082
12056	2.19	.064
12057	1.84	.054
12058	2.47	.072
12059	.99	.029

Certified by _____

MIN-EN LABORATORIES

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-94
PAGE 1 OF 9

TESTS

Meterage	Dip	Azimuth
0	-44°	117°
108.5	-42°	109°

COLLAR SURVEY:
Northing: 11517.75
Easting: 9559.23
Elevation: 1177.66
Azimuth: 112.5°
Dip: -42.5°
IP Grid Coordinates: 11540N 9567E

CORE BQTW
Section: 11520N
Date Started: Aug 10/91
Date Finnished: Aug 11/91
Date Logged: Aug 12/91

Total Depth: 108.5
Casing Depth 8.3
Casing Left In: YES
Logged By: M ARCHAMBAULT
Comments:

SAMPLE NUMBERS
12074 To 12126
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	4.26	CASING
4.26	26.3	ARGILLITE (4.4)

Lithology: Black, slightly graphitic mudstone with laminations and beds of siltstones approximately 40-50% siltstone at the top of the sections to 13m where beds are <1cm to 40cm thick. From 13m to 26.3m is mudstone dominated with approximately 25% siltstone laminations and thin beds <1mm to 7cm.
At 25.5 3 coarse sandstones beds occur interbedded with the mudstone. They are from 1mm to 2cm thick with fragments up to 3mm but mainly <2mm. Cherts are from several different origin including some pyritic ones

Structure: Bedding is consistent 7.5m 70° to ca 25.6m - 75° to ca
10.5 75°
13.4 60° 13.2-13.5 Rouge 2cm thick 15° to c.a.
16.5 50° 15.8-16.4 Several slickensides 0-25° to c.a.
22.4 60° 18.7-19.0 Several slickensides parallel to bedding +10°-25°

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-94 PAGE 2 OF 9
		Structure 22.5 - 23.0 m - broken, some gouge, several slickensides in different orientation
		25.6 - 26.3 m - broken, some gouge, several slickensides in different orientation, poor recovery
		Alteration: Minor quartz veining (irregular) in broken or faulted zones = stringers to 20 cm wide, vein
		→ various thickness and orientation
		Mineralization = 1 pyrite lamination = syngenetic at 9.9 m - 5 mm wide
26.3	32.8	QUARTZ WACKE - LITHIC WACKE (4-5)
		Lithology: Polymictic conglomerate, matrix supported, with pebbles ranging from 2 mm to 5 cm but mainly 2 mm - 1.5 cm with "floating" large pebbles ≈ 10%. Large clasts are mainly of mudstone and lesser fine grained sandstones. Intermediate fraction is composed of equal amounts of volcanic and cherty fragments with less mudstone and quartz fragments (10%). Pyritic clasts (5%) are common and can be either detrital or of selective replacement. The second possibility is most likely as most pyritic clasts show a zonation or a pyritic rim.
		The bed grades to fine grained sandstone with similar relations and proportions.
		First bed starts at 29.55 and ends at 26.3 with only 20 cm of sandstone at the top - short gradation
		Some small muddy intervals < 5 cm throughout without grading could also be large flat clasts.
		Second bed starts at 32.8 and ends at 29.55 with a graded sandstone interval 70 cm thick
		Alteration: Minor thin < 1 mm calcite and quartz veinlets < 1%
		Structure: 32.5 = 70° to c.a. Slickenside 32.7 m 35° to c.a.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-94 PAGE 3 OF 9
		Mineralization: Pyrite clasts or replacement of clasts ≈ 5%
32.8	39.0	ARGILLITE (4.4)
39.0	47.0	ARGILLITE (4.4) +/- SULPHIDIC TURBIDITE - PYRITIC SILTITE (4.3) (FAULT ZONE)
47.0	52.7	SULPHIDIC TURBIDITE - PYRITIC SILTITE (4.3)
		Lithology: Black, slightly graphitic mudstone, with narrow < 1mm pyritic laminations < 1% down to 46.6 and 2-5% 46.6 - 52.7
		Structure: 32.7 - 46.8 Mudstone is very broken → gouge = Hack Fault Zone
		52.4 - 52.6 Gouge - med grey
		Bedding 34.7 m 85° to c.a
		47.0 m 75° to c.a
		51.0 m 75° to c.a
		Alteration —
		Mineralization: Syngenetic pyrite lamination 32.8 - 46.6 <1%
		46.6 - 52.7 3-5%
52.7	56.15	CONTACT FACIES - ARGILLITE - RHYOLITE BRECCIA (4.1)
		52.7 - 55.25
		Lithology: Large rhyolite fragments med grey to green up to 5 cm and autobrecciated rhyolite flows < 15 cm thick with a tuffaceous matrix or interflow < 2 cm thick
		Alteration: Some rhyolite clasts 10% of rhyolite clasts are altered to sericite Tuff component strongly alt. to sericite

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-94 PAGE 4 OF 7
		Structure: Tuff interbed = 45° to 50° to c.a. ≈ 53.75 m
		Broken at lower contact 55-55.25 m
		Mineralization: absent
		55.25 - 56.15
		Lithology: Fine to medium grained green, foliated T.U with 10% of angular fragments
		Fragments are soft and green. Tuff unit is compositionally layered - green + soft with grey silicic.
		Alteration: Fragments and approximately 50% of the tuff strongly altered to sericite
		Structure: Strongly foliated 75° to c.a.
		Mineralization: Trace of disseminated pyrite
56.15	62.17	DIORITE DYKE (6.1)
		Lithology: Medium grained grey, massive, equigranular, fine grained to aphanitic, approximately 10%
		grained mafic grains in a grey plagioclase ground mass
		Structure: Brecciated at lower contact
		Alteration: Pervasive calcite - strong

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 93-94 PAGE 5 OF 9
		Mineralization: Pt. pyrite veinlets (irregular) and patches <1mm up to 1mm wide ≈ 2%
62.17	64.5	CONTACT FACIES - ARGILLITE - RHYOLITE BRECCIA (4.1)
		Lithology: Contact zone unit of small fragments of rhyolite <1cm in a black matrix of glass and a minor tuff component, with some autobreccia and massive flows, with the tuff interflows
		Structure: foliation or bedding of the tuff layers 30° to c.a. at 45cm
		Alteration: Sericite alteration of the tuffaceous component
		Mineralization: Some sections show pyrite irregular blebs in the tuffaceous matrix or glass - Trace
64.5	92.0	TUFFACEOUS RHYOLITE (3.9) +/- RHYOLITE FLOW (AUTOBRECCIATED) (3.8)
		Lithology: Light grey and pale green, mottled brecciated texture, all rhyolite but not unbroken
		Structure: -
		Alteration: Minor sericite - patchy
		Mineralization: Irregular pyrite veinlets along rare fractures <1%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-94 PAGE 6 OF 9
		73.5 - 77.75	
		TUFFACEOUS RHYOLITE BRECCIA (AUTOCLASTIC)	
		Lithology: Same texture as previous interval with concentration 10% - 20% tuffaceous component. Brecciated to semi-massive with intermitted tuff section/glass.	
		Alteration: Sericite alteration of the tuff fragments and the fragments	
		Structure: Weak foliation of the tuff component 73° to c.a. at 74 m	
		Mineralization: Wispy pyrite in the matrix up to 5%	
		77.5 - 79.05	
		RHYOLITE BRECCIA	
		Lithology: Large rhyolite fragments upto 5 cm in diameter in a calcite-pyrite matrix with	
		Structure — Crackle brecciation	
		Alteration: Weak to moderate sericite alteration of the fragments	
		Mineralogy: Pyrite in the matrix as wispy veinlets ≈ 3-5%	
		79.05 - 83.3 DIORITE DYKE	
		Lithology: Light green, massive to brecciated, aphanitic to fine grained, hard.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-94 PAGE 7 OF 9

Structure and Alteration: Brecciated to fragments 1 mm to 5 cm rounded in a chlorite and siliceous matrix - Fragments are rounded and the matrix formed in their size 1-5 mm
Pervasive sericite alt. throughout

Mineralization: Grains and veinlets of pyrite in fractures and in matrix 1-2%

83.3 - 85.3
RHYOLITE FLOW

Lithology: Greyish green, massive

Structure: Slightly brecciated within 30 cm of the dyke contact - Crackle breccia

Alteration: Weak pervasive sericite alteration

Mineralization: Pyrite in the fractures mainly in the contact breccia <1%

85.3 - 88.3
RHYOLITE BRECCIA

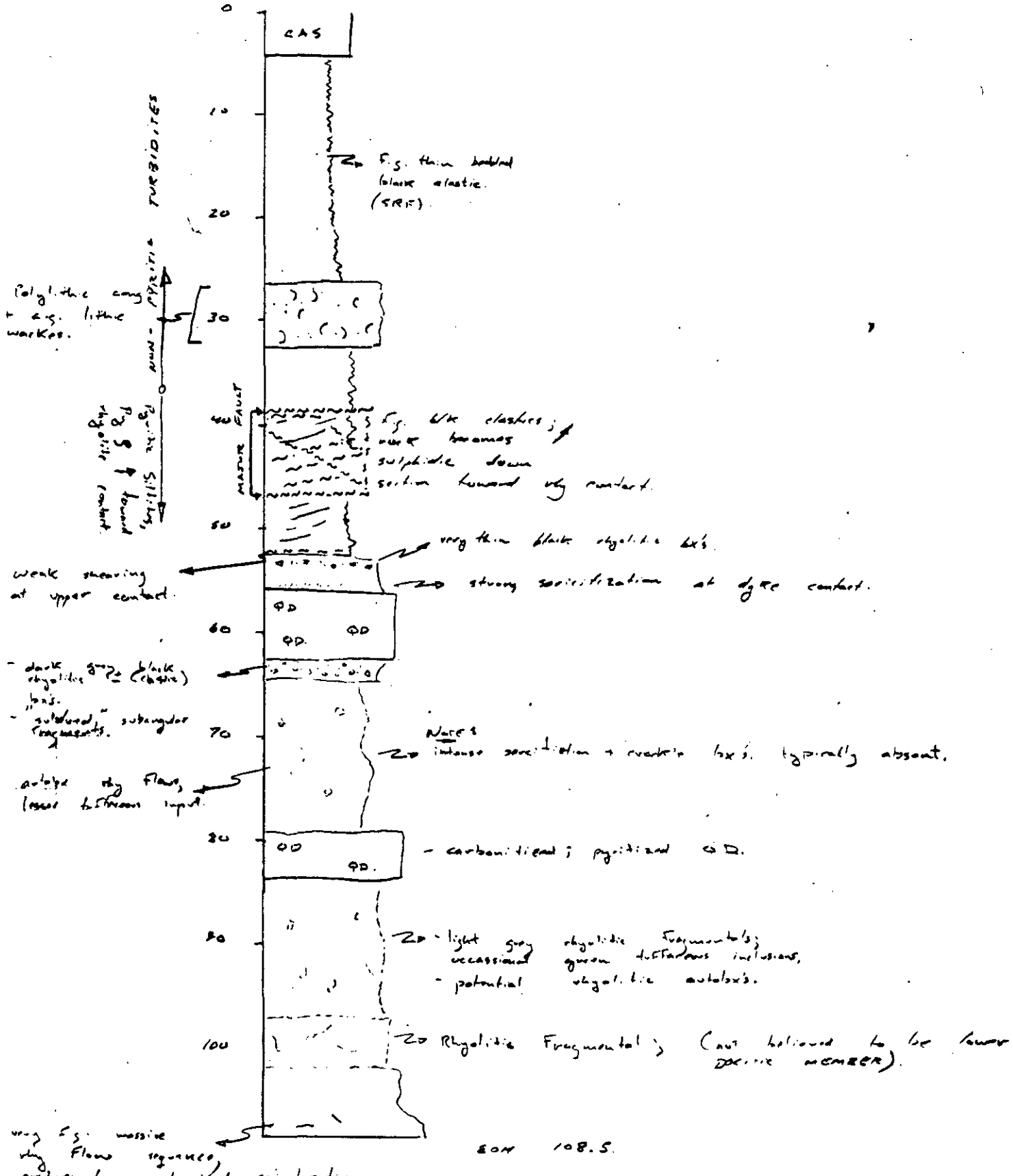
Lithology: Medium green rhyolite fragments in a silica - carbonate - pyrite matrix ≈ 20% matrix
Fragments are sub angular to sub-rounded

Structure: —

Alteration: Matrix is composed of 45% silica, 35% calcite and 30% pyrite

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE [illegible] PAGE 8 OF 9
		Mineralization: Pyrite as wispy veinlets in matrix	
		77.7 - 77.8 Small dacite dyke at [illegible] - 77.8	
92.0	102.6	TUFFACEOUS RHYOLITE (3.9)	
		Lithology: Medium grey rhyolite with mottled green tuffaceous component ≈ 20%	
		Otherwise massive but	
		92.1 - 94.3 - massive flow, no tuffaceous material	
		Structure: Slickensides 70° to core at 92.5 m	
		Alteration: Sericite alteration of the tuff component. Minor late pinkish-calcite veining <1%	
		92.1 - 94.3 ≈ sericite alteration	
		Mineralization: Pyrite veinlets with quartz and calcite <1%	
		94.90 - 94.35 SILICEOUS RHYOLITE BRECCIA	
		101.6 - 102.2	
		Lithology: Greenish grey rhyolite fragments 1 mm to 4 cm in diameter ≈ 70% in a silica-pyrite (minor calcite) matrix up to 30%	
		Structure: ____	
		Alteration: Minor sericite all of the rhyolite fragments. Silica-calcite forms the matrix	
		Mineralization: Pyrite in matrix ≈ 5% as wispy veinlets	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-94 PAGE 9 OF 9
102.6	108.5	RHYOLITE FLOW (AUTOBRECCIATED) (3.8)
		Lithology: Medium gray, massive, minor autobrecciation, crackle brecciated
		Structure: —
		Alteration: Very weak sericite in autobrecciation zones, Minor calcite-quartz veinlets ≤1mm wide <1%
		Mineralization: Trace of pyrite in calcite-quartz veinlets
		108.5 End of hole


0
CAS
10
20
30
40
50
60
70
80
90
100
F.g. thin bedded black elastic. (SRIF).
Polylithic conglomerate + e.g. lithic wackes.
NON-PYRITIC TURBIDITES
PYRITIC TURBIDITES
MAJOR FAULT
F.g. blk elastics; rock becomes sulphidic down section toward rhy contact.
very thin black rhyolitic bx's.
weak shearing at upper contact.
strong sericitization at dyke contact.
QD
QD.
QD
- dark rhyolitic grey (black elastic) bx's.
- "rolled" subangular fragments.
Note: intense sericitization + crackle bx's. typically absent.
autobx rhy flows, lesser tuffaceous input.
QD
QD.
- carbonitized; pyritized QD.
- light grey rhyolitic fragmentals; occassional green tuffaceous inclusions.
- potential rhyolitic autobx's.
Rhyolitic Fragmentals (not believed to be lower DACITE MEMBER).
very f.g. massive rhy flow sequence, extremely limited sericitization, no autobx's.; rare py-Sp disseminated veinlet
EOH 108.5.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-94	12074	4.26	6.00	1.74	-	-	5	-	-	0.4	17	1	132	175	35	23	164	26200	17420
91-94	12075	6.00	8.00	2.00	-	-	2	-	-	1.2	21	1	126	120	30	21	89	24670	24200
91-94	12076	8.00	10.00	2.00	-	-	2	-	-	0.6	30	2	164	185	35	25	157	30390	15700
91-94	12077	10.00	12.00	2.00	-	-	1	-	-	0.5	15	1	132	135	32	20	93	25210	17550
91-94	12078	12.00	14.00	2.00	-	-	4	-	-	0.3	17	1	197	210	41	20	96	30590	19990
91-94	12079	14.00	16.00	2.00	-	-	3	-	-	0.2	18	1	163	200	47	19	111	31770	12510
91-94	12080	16.00	18.00	2.00	-	-	9	-	-	0.3	15	1	144	210	40	18	124	28100	13750
91-94	12081	18.00	20.00	2.00	-	-	6	-	-	0.2	21	1	236	310	65	22	440	36690	8760
91-94	12082	20.00	22.00	2.00	-	-	2	-	-	0.2	18	1	220	300	59	18	344	35700	7530
91-94	12083	22.00	24.00	2.00	-	-	7	-	-	0.8	17	1	232	265	62	19	337	34700	25960
91-94	12084	24.00	26.00	2.00	-	-	3	-	-	0.5	24	1	204	400	70	19	384	35180	15610
91-94	12085	26.00	28.00	2.00	-	-	2	-	-	0.8	27	1	96	130	25	11	53	20600	31260
91-94	12086	28.00	30.00	2.00	-	-	1	-	-	0.9	25	1	98	-	23	15	43	23300	60600
91-94	12087	30.00	32.00	2.00	-	-	2	-	-	1.3	25	1	77	-	24	14	40	22390	58790
91-94	12088	32.00	34.00	2.00	-	-	2	-	-	1.0	24	1	116	610	46	14	370	31980	52900
91-94	12089	34.00	36.00	2.00	-	-	4	-	-	2.4	38	5	209	665	61	21	680	33150	23800
91-94	12090	36.00	38.00	2.00	-	-	4	-	-	1.9	30	6	172	605	66	17	911	29220	24100
91-94	12091	38.00	40.00	2.00	-	-	3	-	-	2.0	42	6	192	540	70	18	827	29450	13170
91-94	12092	40.00	42.00	2.00	-	-	4	-	-	1.2	32	4	105	310	40	17	428	24510	23500
91-94	12093	42.00	44.00	2.00	-	-	10	-	-	3.5	64	9	135	950	94	23	867	47770	21530
91-94	12094	44.00	46.00	2.00	-	-	6	-	-	4.6	67	11	85	1145	112	27	1383	58840	19590
91-94	12095	46.00	48.00	2.00	-	-	10	-	-	3.9	63	5	71	1250	93	25	847	62350	20590
91-94	12096	48.00	50.00	2.00	-	-	2	-	-	1.9	36	6	151	745	66	20	631	29240	65600
91-94	12097	50.00	52.00	2.00	-	-	12	-	-	2.0	53	14	126	950	80	30	1053	24080	63950
91-94	12098	52.00	54.00	2.00	-	-	1	-	-	0.7	62	6	96	310	20	24	231	17970	18830
91-94	12099	54.00	56.00	2.00	-	-	2	-	-	0.7	23	1	104	95	7	30	114	10730	11500
91-94	12100	56.00	58.00	2.00	-	-	3	-	-	1.5	29	1	81	-	50	6	96	63530	21120
91-94	12101	58.00	60.00	2.00	-	-	8	-	-	1.4	31	1	68	-	51	10	92	65740	34090
91-94	12102	60.00	62.00	2.00	-	-	4	-	-	2.4	23	1	126	-	58	7	96	57290	21460
91-94	12103	62.00	64.00	2.00	-	-	3	-	-	0.6	28	2	58	-	10	27	118	17380	13940
91-94	12104	64.00	66.00	2.00	-	-	13	-	-	0.5	30	1	52	-	7	24	118	19790	21570
91-94	12105	66.00	68.00	2.00	-	-	17	-	-	0.7	36	1	53	-	8	26	124	20380	22730
91-94	12106	68.00	70.00	2.00	-	-	9	-	-	0.3	18	1	41	-	7	20	101	13560	5740
91-94	12107	70.00	72.00	2.00	-	-	3	-	-	0.5	39	1	24	-	9	9	31	19970	9470
91-94	12108	72.00	74.00	2.00	-	-	2	-	-	0.6	20	1	26	-	7	15	72	10110	3330
91-94	12109	74.00	76.00	2.00	-	-	2	-	-	0.3	22	1	17	-	6	18	59	23910	24920
91-94	12110	76.00	78.00	2.00	-	-	1	-	-	0.1	17	1	21	-	9	27	107	29870	12430
91-94	12111	78.00	80.00	2.00	-	-	1	-	-	0.4	16	1	31	-	7	19	85	18350	9510
91-94	12112	80.00	82.00	2.00	-	-	4	-	-	2.1	6	1	31	-	23	5	64	35170	18100
91-94	12113	82.00	84.00	2.00	-	-	7	-	-	4.0	1	1	47	-	45	1	120	49630	34220
91-94	12114	84.00	86.00	2.00	-	-	2	-	-	1.6	15	1	60	-	29	6	63	45640	47830
91-94	12115	86.00	88.00	2.00	-	-	2	-	-	0.4	19	1	34	-	6	4	25	18090	14250
91-94	12116	88.00	90.00	2.00	-	-	3	-	-	0.2	32	1	33	-	10	9	36	36450	15400
91-94	12117	90.00	92.00	2.00	-	-	1	-	-	0.1	17	1	26	-	8	14	68	15730	5100
91-94	12118	92.00	94.00	2.00	-	-	1	-	-	1.6	13	3	15	-	7	12	42	10980	20170
91-94	12119	94.00	96.00	2.00	-	-	1	-	-	0.3	38	1	16	-	7	10	46	21480	17670
91-94	12120	96.00	98.00	2.00	-	-	1	-	-	0.5	31	1	15	-	11	19	79	28400	19190
91-94	12121	98.00	100.00	2.00	-	-	3	-	-	1.1	14	1	16	-	23	44	67	18000	14500
91-94	12122	100.00	102.00	2.00	-	-	1	-	-	0.3	11	1	12	-	5	19	55	14380	7120
91-94	12123	102.00	104.00	2.00	-	-	1	-	-	0.1	16	2	10	-	6	19	41	28270	4940
91-94	12124	104.00	106.00	2.00	-	-	6	-	-	0.4	13	1	12	-	4	14	23	11560	8190

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-94	12125	106.00	108.00	2.00	-	-	1	-	-	0.2	20	2	12	-	5	18	28	14180	3900
91-94	12126	108.00	108.50	0.50	-	-	1	-	-	0.3	14	1	17	-	5	14	9	8080	1510

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ73+74
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12030	.3	2840	95	1	89	.1	1	5670	.1	11	14	29350	2470	1	1110	250	1	140	1	1640	18	3	10	1	10	7.1	59	1	1	1	49	150	
12031	.3	2270	144	1	75	.1	1	6290	.1	13	23	36840	2090	1	810	182	1	170	1	1780	45	3	11	1	12	6.1	130	1	1	1	52	416	
12032	.3	2490	194	1	106	.1	1	7040	.1	12	19	40600	2380	1	620	127	1	180	1	1840	133	4	13	1	12	4.5	235	1	1	3	90	228	
12033	1.0	2530	313	1	102	.1	2	8700	.1	14	54	46400	2400	1	810	196	2	80	1	2640	367	18	21	1	8	5.4	385	1	1	1	59	628	
12034	2.4	2120	148	1	128	.1	1	5750	5.9	10	123	33580	1980	1	570	206	1	180	1	1470	456	12	10	1	10	5.1	1630	1	1	1	55	280	
12035	3.5	1990	297	1	105	.1	1	5100	28.7	10	300	33750	1890	1	370	108	3	180	1	1390	1266	61	10	1	9	5.0	4769	1	1	1	77	533	
12036	2.0	2300	166	1	95	.1	1	5060	1.1	12	96	31160	2060	1	500	160	3	110	1	1330	269	12	8	1	11	6.5	521	1	1	2	66	535	
12037	5.3	2440	138	1	91	.1	1	4160	39.6	10	702	25710	2010	1	180	92	7	160	1	1290	2988	12	9	1	14	6.5	5324	1	1	1	74	258	
12038	3.4	2610	152	1	99	.1	1	4780	2.5	10	306	26550	2160	1	210	73	3	120	1	1250	2141	24	8	1	12	5.6	790	1	1	2	77	600	
12039	.6	2520	123	1	156	.1	1	6100	.1	11	23	26300	2060	1	480	85	5	130	1	1520	60	10	12	1	10	4.0	46	1	1	2	66	190	
12040	.6	2460	83	1	95	.1	2	7620	.1	10	14	24080	2160	1	1000	208	2	80	1	1310	281	10	13	1	13	5.7	69	1	1	2	50	95	
12041	.9	3520	208	10	183	.1	5	7990	.1	10	12	27250	2710	4	980	159	3	180	1	1730	101	7	14	1	16	9.1	71	1	1	4	93	157	
12042	.7	4490	88	3	85	.1	1	6150	.1	12	31	26750	3040	1	490	90	2	100	1	1770	138	5	10	1	24	12.0	70	1	1	3	60	101	
12043	.2	4400	53	1	89	.1	2	6890	.1	11	10	30420	3010	1	1690	332	1	180	1	1790	25	2	12	1	23	15.4	85	1	1	3	58	66	
12044	.4	4310	76	1	161	.1	1	6120	.1	13	13	32770	3040	1	1190	211	1	180	1	1690	68	4	10	1	18	12.5	88	1	1	2	60	94	
12045	.8	3670	99	1	133	.1	1	6380	4.8	14	38	37130	2670	1	1110	245	1	190	1	1680	841	10	11	1	17	10.4	791	1	1	2	50	142	
12046	.6	3330	65	1	122	.1	1	7740	1.6	12	75	34030	2390	1	1590	392	1	180	1	1550	196	37	14	1	11	7.5	493	1	1	2	45	130	
12047	.1	3220	97	1	101	.1	1	9210	.1	17	6	47330	2440	1	3190	604	1	50	1	1820	17	1	17	1	13	9.3	25	1	1	3	63	80	
12048	.1	2930	174	1	81	.1	1	7960	.1	16	10	45840	2440	1	3480	730	1	40	1	1720	19	5	15	1	12	8.8	51	1	1	1	30	62	
12049	.2	3560	71	1	62	.1	1	7080	.1	10	10	35880	2800	1	4090	866	1	170	1	1740	84	4	13	2	11	11.4	59	2	1	2	30	112	
12050	.4	4210	86	1	175	.1	1	6210	.1	14	14	44330	2450	1	4520	849	1	210	1	1610	500	30	11	1	12	17.9	35	2	1	3	60	164	
12051	.4	3700	129	1	88	.1	1	6020	.1	12	9	36600	2890	1	3260	573	1	80	1	1180	42	9	10	1	11	9.3	92	2	1	2	37	120	
12052	3.2	2890	141	1	86	.1	1	5500	.1	14	30	21260	2450	1	890	141	4	100	1	1040	1654	27	10	1	11	6.8	162	1	1	3	66	1060	
12053	1.0	2870	114	1	199	.1	1	8130	.1	7	17	18070	2550	1	1310	217	5	70	1	1250	46	19	14	1	9	6.6	108	1	1	3	79	184	
12054	13.6	2320	411	1	123	.1	1	8070	20.7	9	1176	33870	2110	1	1280	209	3	100	1	930	2845	596	16	1	8	5.7	3471	1	1	2	75	2600	
12055	2.2	1820	371	1	99	.1	1	5980	.1	8	30	20590	1940	1	370	90	2	100	1	1000	133	16	10	1	9	4.9	327	1	1	3	68	328	
12056	4.5	2500	356	1	212	.1	1	6270	.1	6	27	21290	2080	1	440	99	2	70	1	1070	415	28	13	1	8	5.7	114	1	1	4	98	1240	
12057	4.3	3200	236	1	96	.1	1	7020	1.8	8	38	23730	2810	1	280	78	1	120	1	1320	808	13	16	1	13	7.4	771	1	1	2	64	1175	445
12058	5.8	2790	421	1	98	.1	1	6280	7.5	14	59	29950	2330	1	240	85	8	90	1	890	3154	18	13	1	10	6.7	1901	1	1	2	70	2140	800
12059	4.6	2450	192	1	125	.1	1	6330	44.1	13	117	26930	2230	1	220	92	4	160	1	1150	816	21	16	1	14	6.8	7135	1	1	2	102	1000	3465
12060	2.8	2920	154	1	146	.1	1	6140	1.9	11	98	17950	2330	1	380	103	7	170	1	1040	517	39	13	1	14	7.7	712	2	1	2	53	340	610
12061	2.1	3500	245	1	111	.1	1	7180	.1	15	41	38830	2760	1	1220	284	9	70	1	860	330	11	18	2	11	8.0	587	2	1	2	53	571	490
12062	1.3	3350	103	1	158	.1	1	5540	.1	12	30	34710	2680	1	1870	342	7	140	1	890	82	8	13	1	15	10.3	94	2	1	2	51	136	290
12063	1.9	3250	88	1	122	.1	1	7450	27.1	9	107	24670	2650	1	500	136	3	150	1	980	1242	10	16	1	14	8.2	4744	1	1	1	45	112	2090
12064	2.2	2760	86	1	88	.1	1	5820	8.6	11	88	28070	2320	1	440	119	5	160	1	830	944	7	7	1	13	7.1	1728	1	1	2	47	109	670
12065	1.2	3910	84	1	99	.1	1	5640	.1	12	51	39890	2940	1	1270	224	2	150	1	780	39	7	8	1	16	11.3	34	1	1	2	58	270	175
12066	1.4	4560	72	1	108	.1	1	6270	.5	10	75	29830	3000	1	1460	260	3	160	1	910	255	5	8	1	19	12.4	473	1	1	2	38	125	300
12067	1.4	7040	75	1	150	.1	1	5080	.1	15	65	39110	3750	1	2750	435	3	140	1	960	42	5	8	2	24	20.0	54	2	1	2	42	110	190
12068	3.3	7030	148	1	198	.1	1	7690	.1	8	141	30660	2760	2	2930	495	7	220	1	1350	361	8	13	3	23	18.2	673	3	1	2	52	94	430
12069	1.3	6110	155	1	112	.1	1	8020	.1	13	32	40870	3030	1	3540	685	27	230	1	1660	74	7	17	3	24	22.8	47	3	1	2	38	96	210
12070	1.3	6210	51	1	114	.3	1	6890	.1	11	29	30000	3340	1	3380	571	21	190	1	1100	31	8	12	3	21	16.7	53	4	1	2	31	34	220
12071	.9	4390	39	5	585	.1	1	9000	.1	10	40	27610	2890	1	4500	879	5	540	1	1050	47	5	24	1	14	10.3	85	1	1	1	34	49	175
12072	.7	4410	56	3	97	.1	2	22750	.1	11	31	42890	2750	1	11120	2029	3	590	1	850	38	5	83	1	11	13.4	77	2	1	2	40	45	195
12073	.8	3330	35	1	109	.1	1	18210	.1	6	13	21960	2190	1	7120	1409	8	570	2	420	33	3	56	1	14	8.9	95	3	1	9	222	17	120
12074	.4	10590	17	1	132	.2	1	17420	.1	10	35	26200	2380	13	10570	486	4	1010	36	590	23	1	94	1	25	29.8	164	4	1	4	100	5	175
12075	1.2	8180	21	2	126	.4	1	24200	.1	11	30	24670	2980	12	8610	621	2	720	35	600	21	1	175	1	17	28.7	89	4	1	3	74	2	120
12076	.6	13050	30	3	164	.6	2	15700	.1	12	35	30390	3660	14	9850	484	6	650	46	690	25	2	97	2	42	43.9	157	6	1	5	101	2	185
12077	.5	8470	15	1	132	.6	1	17550	.1	11	32	25210	2930	9	9890	515	2	660	47	590	20	1	109	2	15	25.9	93	4	1	3	70	1	135
12078	.3	18320	17	2	197	.4	1	19990	.1	14	41	30590	3760	20	11170	508	2	670	83	660	20	1	115	1	40	45.8	96	5	1	3	76	4	210
12079	.2	20810	18	2	163	.6	1	12510	.1	15	47	31770	3790	26	12330	336	3	650	86	700	19	1	83	1	42	53.9	111	5	1	3	83	3	200
12080	.3	13860	15	1	144	.3	1	13750	.1	13	40	28100	3300	16	10350	390	4	580	75	900	18	1	94	1	24	40.8	124	4	1	3	79	9	210
12081	.2	26280	21	5	236	.6	2	8760	.1	16	65	36690	5630	25	13640	198	4	560	108	750	22	1	68	1	53	84.2	440	6	1	3	72	6	310
12082	.2	25700	18	4	220	.5	2	7530	.1	15	59	35700	5360	26	13820	201	4	570	109	640	18	1	60	1	50	72.1	344	5	1	3	69	2	300
12083	.8	21130	17	4	232	.6	2	25960	.1	12	62	34700	5060	25	18000	537	6	550	84	830	19	1	162	1	32	71.6	337	4	1	3	83	7	265
12084	.5	20520	24	4	204	.8	2	15610	.1	15	70	35180	5110	35	13680	314	8	850	131	810	19	1	103	1	28	75.0	384	4	1	3	64	3	400
12085	.8	9040	27	1	96	.2	1	31260	.1	9	25	20600	1420	14	11440	372	4	540	84	650	11	1	164	1	24	33.0	53	5	1	6	151	2	130

91-96

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ75+76
DATE: 91/10/17
* ROCK * (ACT:F31)

91-94

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12086	.9	9720	25	1	98	.2	2	60600	.1	8	23	23300	1010	15	9700	498	3	600	61	800	15	1	205	1	24	32.2	43	6	1	5	119	1	
12087	1.3	8880	25	1	77	.1	1	58790	.1	8	24	22390	940	13	9200	528	2	640	61	810	14	1	203	1	22	29.5	40	5	1	4	106	2	
12088	1.0	10870	24	1	116	.1	5	52900	5.2	8	46	31980	2180	14	11310	539	6	420	50	740	14	1	169	1	22	53.9	370	3	1	2	52	2	610
12089	2.4	13290	38	2	209	.4	1	23800	13.3	10	61	33150	4130	12	14550	397	9	830	51	1040	21	5	132	1	22	77.4	680	5	1	3	44	4	665
12090	1.9	11010	30	1	172	.2	1	24100	19.7	9	66	29220	3180	11	15110	496	16	510	42	700	17	6	123	1	18	79.9	911	4	1	2	34	4	605
12091	2.0	14600	42	1	192	.4	1	13170	15.6	9	70	29450	3670	17	8890	254	15	610	36	470	18	6	90	1	26	87.6	827	4	1	3	55	3	540
12092	1.2	7500	32	1	105	.1	1	23500	6.2	7	40	24510	2120	7	6850	765	12	660	17	810	17	4	107	1	17	43.4	428	3	1	3	78	4	310
12093	3.5	14770	64	2	135	.1	1	21530	16.7	12	94	47770	4690	11	9320	551	13	720	40	2030	23	9	128	1	21	111.5	867	3	1	3	56	10	950
12094	4.6	15630	67	1	85	.1	1	19590	32.5	13	112	58840	4730	8	7640	574	18	830	40	1610	27	11	123	1	15	114.2	1383	3	1	3	42	6	1145
12095	3.9	24280	63	7	71	.1	1	20590	12.5	13	93	62350	8500	14	8060	645	13	740	41	5140	25	5	78	1	58	220.5	847	3	1	4	72	10	1250
12096	1.9	11980	36	2	151	.2	1	65600	7.4	8	66	29240	5720	2	5680	819	28	760	62	1160	20	6	70	1	31	79.4	631	5	1	2	22	2	745
12097	2.0	9960	53	1	126	.4	1	63950	13.2	7	80	24080	5070	2	3340	720	39	630	90	730	30	14	58	1	32	93.9	1053	4	1	2	24	12	950
12098	.7	6640	62	1	96	2.2	1	18830	.4	3	20	17970	3470	2	2500	206	21	600	18	220	24	6	31	3	25	15.6	231	3	1	4	110	1	310
12099	.7	7790	23	1	104	3.2	1	11500	.1	2	7	10730	4460	2	2520	179	2	580	1	20	30	1	18	4	28	2.6	114	3	1	3	74	2	95
12100	1.5	8440	29	1	81	.1	17	21120	.1	41	50	63530	3170	6	2420	940	1	910	43	1120	6	1	26	1	4248	90.7	96	1	2	8	93	3	
12101	1.4	8870	31	10	68	.1	17	34090	.1	42	51	65740	2490	12	3250	1420	1	380	48	1270	10	1	30	1	3901	120.5	92	1	3	9	123	8	
12102	2.4	11380	23	7	126	.1	22	21460	.1	49	58	57290	3780	11	3220	1036	1	480	51	1290	7	1	35	1	5498	150.6	96	1	4	14	191	4	
12103	.6	7120	28	2	58	1.0	2	13940	.1	6	10	17380	3080	7	2680	474	6	200	7	160	27	2	12	1	188	11.8	118	3	1	5	114	3	
12104	.5	11260	30	2	52	2.3	1	21570	.1	4	7	19790	5240	11	3160	511	7	220	1	70	24	1	14	1	107	4.4	118	4	1	8	193	13	
12105	.7	11730	36	2	53	2.5	2	22730	.1	4	8	20380	5460	11	3310	525	6	230	1	60	26	1	14	2	97	4.3	124	6	1	8	198	17	
12106	.3	11560	18	5	41	2.7	1	5740	.1	3	7	13560	5380	9	2780	215	9	230	3	50	20	1	5	1	147	4.0	101	5	1	7	162	9	
12107	.5	7510	39	2	24	2.2	3	9470	.1	8	9	19970	3630	5	1200	194	8	360	9	130	9	1	7	1	601	15.1	31	3	1	11	265	3	
12108	.6	4380	20	1	26	1.9	2	3330	.1	4	7	10110	2450	3	500	105	7	390	5	80	15	1	4	1	407	8.7	72	3	1	9	212	2	
12109	.3	4070	22	1	17	1.3	1	24920	.1	3	6	23910	1970	4	1340	436	7	230	1	30	18	1	11	1	79	2.5	59	2	1	8	203	2	
12110	.1	5050	17	1	21	2.8	1	12430	.1	4	9	29870	2560	5	1410	370	5	170	1	40	27	1	5	1	90	2.1	107	2	1	6	156	1	
12111	.4	6010	16	1	31	2.6	2	9510	.1	3	7	18350	2990	5	1580	236	5	240	1	70	19	1	5	1	195	3.6	85	3	1	7	187	1	
12112	2.1	13300	6	3	31	.1	19	18100	.1	25	23	35170	5150	11	4260	251	2	400	41	660	5	1	9	1	4765	98.5	64	1	4	10	156	4	
12113	4.0	16630	1	5	47	.1	35	34220	.1	47	45	49630	5710	15	5560	524	1	520	80	1410	1	1	15	1	8135	158.1	120	1	6	13	156	7	
12114	1.6	18900	15	3	60	.1	14	47830	.1	31	29	45640	3630	23	8850	966	1	1320	41	880	6	1	24	1	3288	137.7	63	3	2	10	162	2	
12115	.4	6440	19	1	34	1.1	2	14250	.1	7	6	18090	2820	5	1970	286	6	400	11	130	4	1	7	1	388	14.3	25	3	1	5	126	2	
12116	.2	8860	32	2	33	1.0	4	15400	.1	10	10	36450	3990	8	2630	416	2	430	11	210	9	1	8	1	996	39.6	36	1	2	7	180	3	
12117	.1	9640	17	1	26	1.9	1	5100	.1	2	8	15730	4440	9	2990	168	7	300	1	50	14	1	3	1	82	3.6	68	4	2	6	142	1	
12118	1.6	4320	13	1	15	1.6	1	20170	.1	2	7	10980	1690	5	1970	481	7	270	1	40	12	3	10	1	65	3.3	42	3	1	5	135	1	
12119	.3	5320	38	1	16	2.3	1	17670	.1	3	7	21480	2500	3	1300	616	4	350	1	30	10	1	9	1	44	6.0	46	2	1	8	216	1	
12120	.5	7820	31	1	15	2.9	2	19190	.1	3	11	28400	3520	8	2940	691	10	230	1	40	19	1	11	1	55	4.6	79	3	1	6	152	1	
12121	1.1	8270	14	1	16	2.8	2	14500	.1	2	23	18000	3200	8	3320	351	4	220	2	30	44	1	10	1	49	2.9	67	4	1	8	189	3	
12122	.3	6050	11	1	12	4.0	3	7120	.1	2	5	14380	2560	5	1940	186	10	330	1	30	19	1	5	1	49	2.0	55	4	1	5	140	1	
12123	.1	4320	16	1	10	1.7	1	4940	.1	3	6	28270	1420	5	1470	177	8	370	1	30	19	2	5	1	29	2.4	41	4	1	10	249	1	
12124	.4	3210	13	1	12	2.4	1	8190	.1	2	4	11560	740	4	1320	150	10	370	1	60	14	1	7	1	47	2.8	23	4	1	7	186	6	
12125	.2	4470	20	1	12	2.4	1	3900	.1	2	5	14180	740	6	2120	180	5	380	2	50	18	2	3	1	30	2.0	28	6	1	11	268	1	
12126	.3	2530	14	1	17	1.3	1	1510	.1	1	5	8080	1050	2	880	87	11	400	1	50	14	1	2	1	22	2.0	9	3	1	9	238	1	
12127	.3	10180	25	3	72	.3	2	17250	.1	9	29	20620	1360	13	7970	238	6	300	81	450	13	1	67	1	32	28.5	60	3	1	6	148	2	
12128	.5	12930	22	1	82	.2	2	23950	.1	10	31	21290	1500	16	11540	298	1	330	103	410	11	1	91	1	41	40.2	65	4	1	7	181	2	
12129	.9	14100	21	1	657	.2	2	49630	.1	9	27	27170	1800	14	13150	702	3	400	66	1020	14	1	145	1	38	44.3	83	5	6	6	133	1	165
12130	1.5	4250	23	1	47	.2	2	5300	.8	3	11	7300	910	1	2640	92	3	110	17	240	9	4	19	1	12	16.8	100	6	2	1	16	2	355
12131	1.6	15970	30	2	337	.3	2	17040	10.1	9	60	32980	3210	14	10600	497	8	520	46	620	25	6	77	1	41	87.0	642	4	3	3	58	7	435
12132	2.1	10710	44	1	159	.1	1	20510	11.0	11	63	37690	1950	6	7700	573	22	410	29	970	17	7	108	1	23	77.1	705	4	2	2	33	13	570
12133	.8	26000	49	5	175	.3	3	25500	.1	14	54	63880	5170	23	12070	537	7	340	41	5520	15	1	109	1	64	150.7	441	3	2	4	56	2	395
12134	2.1	18560	60	3	148	.1	1	25530	6.7	14	98	58850	5550	10	7570	418	23	540	59	5400	23	3	71	1	67	120.6	639	2	2	2	35	1	1100
12135	.9	10440	45	1	100	.2	2	59080	5.8	10	74	34760	4260	2	4370	512	49	470	93	1970	20	9	87	1	43	75.5	658	3	3	2	23	1	960
12136	1.0	8250	100	1	69	.4	1	20350	5.8	11	77	41580	3340	2	3630	382	50	410	89	880	29	21	41	1	36	56.5	680	1	1	1	16	9	1095
12137	.6	5800	69	1	303	1.4	2	14130	.3	4	23	23960	3370	1	2760	252	37	60	26	190	24	11	33	1	27	13.1	282	3	1	3	86	2	365
12138	.6	4850	63	1	103	2.3	2	9500	.1	2	7	11770	2650	1	1860	193	9	160	4	40	23	4	22	1	33	2.8	104	3	1	3	92	3	
12139	.8	4510	17	1	49	2.4	2	26880	.1	1	7	9720	2950	1	840	658	7	320	4	30	26	3	52	2	56	2.4	95	4	1	4	112	1	
12140	.6	3120	78	1	37	1.7	2	6440	.1	1	5	7870	2520	1	360	154	3	320	3	10	23	8	9	2	49	1.2	86	3	1	4	112	4	
12141	.6	3230	314	1	32	1.2	2	8630	.1	1	6	8730	2470	1	310	254	5	300	3	10	28	13	11	2	44	1.6	89	3	1	5	137	2	

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-95
PAGE 1 OF 9

TESTS

Meterage	Dip	Azimuth
0	-45°	117°

No Sperry Sun test - camera not working

COLLAR SURVEY:

Northing: 11687.37
Easting: 9648.47
Elevation: 1199.16
Azimuth: 116°
Dip: -45°
IP Grid Coordinates: 11690N 9650E

CORE BQTW

Section: 11690N
Date Started: Aug 11
Date Finnished: Aug 12/91
Date Logged: Aug 13/91

Total Depth: 80.46 m
Casing Depth 6.1 m.
Casing Left In: Yes
Logged By: M. ARCHAMBAULT
Comments:

SAMPLE NUMBERS

12127 To 12161
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	6.1	CASING
6.1	11.0	POLYLITHIC QUARTZ PEBBLE CONGLOMERATE (4.6) QUARTZ WACKE – LITHIC WACKE (4.5)
		Lithology: Conglomeratic sandstone with minor gradation to arenite. Composed of fragments of << 0.5 mm. to 5 mm. Clasts are composed mainly of volcanics and chert (70%) with less shale fragments which occur mainly in the coarser fraction up to 4 cm long (15%) and 5% of quartz and pyrite. Ot is fragment supported and cemented by calcite. From 11.0 m it grades into a medium grained sandstone and gets coarse over the last 15 cm at 9.0. At 9.0 - 8.8 m. mudstone with one silty bed 5 mm thick. From 8.8 to 6.1 - Size is more or less constant, and conglomeratic
		Structure: Ot 6.9 slickenside at 45° to c.a. Faulted lower contact.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-95 PAGE 2 OF 9
		Alteration: Minor calcite-quartz veining
		Mineralization: Pyrite fragments or fragment replacement ≈2-3%
11.0	23.6	ARGILLITE (4.4) FAULT ZONE
		Lithology: Black, very graphitic mudstone with minor silty laminations < 1cm thick ≈ 10%
		Structure: Fault zone, >1m of gouge, core very broken, slickensides in various orientation
		Alteration: Quartz-calcite crackle veinlets in gouge zone ≈ 1%
		Mineralization: —
23.6	31.7	SULPHIDIC TURBIDITE - PYRITIC SILTITE (4.3)
		Lithology: Black, slightly graphitic, with pyritic laminations < 1mm to 1cm wide ≈ 10%
		2 fossils present -
		Structure: 26.0 - 75° to c.a. fault: 31.1m 20° to c.a.
		29.5 - 70° to c.a.
		lower contact = depositional ≈ 70° to c.a.
		Alteration: —

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-95 PAGE 3 OF 9
		Mineralization: Syngenetic pyrite = 10%	
31.7	38.5	CONTACT FACIES - ARGILLITE - RHYOLITE BRECCIA (4.1)	
		31.7-32.85	
		Lithology: Rhyolite and tuff fragments in a mudstone matrix with thin Tuffaceous beds < 2 cm thick. Greenish grey rhyolite fragments < 1 mm to 5 mm in diameter and up to 2 cm. (20%) Sub-angular. Matrix is tuffaceous (40%) and muddy (40%)	
		Structure: Bedding = 75° to c.a.	
		Alteration: Rhyolite fragments and tuffs are altered to sericite (moderate)	
		Mineralization: Absent	
		32.85-33.93 TUFFACEOUS VOLCANICLASTICS	
		Lithology: Medium greenish grey with subangular fragments of greenish beige rhyolite (35-40%) in a dark greenish tuffaceous matrix (60-65%) - Matrix supported.	
		Structure: Foliation 55° to c.a. Upper contact = depositional Lower contact: faulted - 50° to c.a.	
		Alteration: Moderate sericite alt. of the fragments and the matrix	
		Mineralization: Absent	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-95 PAGE 4 OF 9
		33.93 - 35.9 RHYOLITIC BRECCIA (GLASSY MATRIX)	
		Lithology: Green rhyolite fragments, angular, <1mm up to 8 cm in diameter (40%) in an aphanitic black, hard matrix, most likely glass (60%). Fragments are less than 3 cm in diameter from 35.35 to 35.9	
		Alteration: Sericite alteration (moderate) of the fragments only	
		Structure: — upper contact faulted 50° to c.a., lower contact is gradational	
		Mineralization: Trace disseminated pyrite	
38.5	61.4	TUFFACEOUS RHYOLITE (3.9) 35.9 - 40.6	
		Lithology: Green rhyolite fragments <1 mm to 4 cm in diameter, angular in a rhyolite matrix medium grey, hard. Fragments 50% - matrix 50% Rhyolite matrix contains a small tuffaceous fraction from 36.6 - 37.0 m, 37.6 - 37.8, 38.8 - 39.0 = 10 - 20%	
		Alteration: Fragments weakly sericite altered. Tuff fraction moderately sericite altered Limonite on fracture surface and 1 cm on each side - pervasive.	
		Structure: Very fractured 39.0 - 42.2 m. Fractures are parallel to c.a. and 0 - 50° to c.a. Foliation 38.9 m = 30° to c.a.	
		Mineralization: Trace of disseminated pyrite	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-95 PAGE 5 OF 9

40.75 - 41.3 FRAGMENTAL RHYOLITIC TUFF

Lithology: Medium green tuff with 20% rhyolite fragments from 1mm to 2 cm in diameter and sub angular.

Alteration: Pervasive moderate sericite alteration

Structure: Foliation 65-70° To c.a.

Mineralization: Absent

42.6 - 53.1
HETEROLITIC RHYOLITIC ASH-TUFF

Lithology: Rhyolitic fragments, beige to medium green, angular, <1mm to 1cm in diameter. Fragments of different type occur some are black and hard, from black glassy matrix of other units, and the rhyolite fragments show different stages of alteration (sericite). Percentage of fragments vary throughout the interval 0-50%. Matrix is fine grained tuff dark green to black 50-100%. Black material ? in the foliation of the tuff.

Structure: Slightly foliated to mottled 44.6 m 60° To c.a.
46.0 m 50° To c.a.
50.0 m 55° To c.a.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-95 PAGE 6 OF 9

Alteration: Weak to moderate of the fragments and moderate sericite alteration of the tuff
Limonite on fractures + pervasive over 0.5 cm.
Mineralization: Trace disseminated pyrite

53.1 - 53.8
BEDDED TUFF - RHYOLITIC

Lithology: Medium yellowish green, fine grained well foliated with hard and softer sections

Structure: Well foliated 25° to c.a

Alteration: Strong sericite alteration

Mineralization: Absent.

53.8 - 60.5
BIMODAL RHYOLITE BRECCIA

Lithology: Rhyolitic fragments are pale green to pale grey sub-angular to sub rounded (95%) and the black fragments are possibly glass and are also sub-angular to sub-rounded (5%)
The matrix is rhyolitic black to dark grey and most likely contains some glass ≈ 30%

Alteration: Rhyolite fragments moderately altered to sericite down to 58.6 m and from 59.7 to 60.5 m

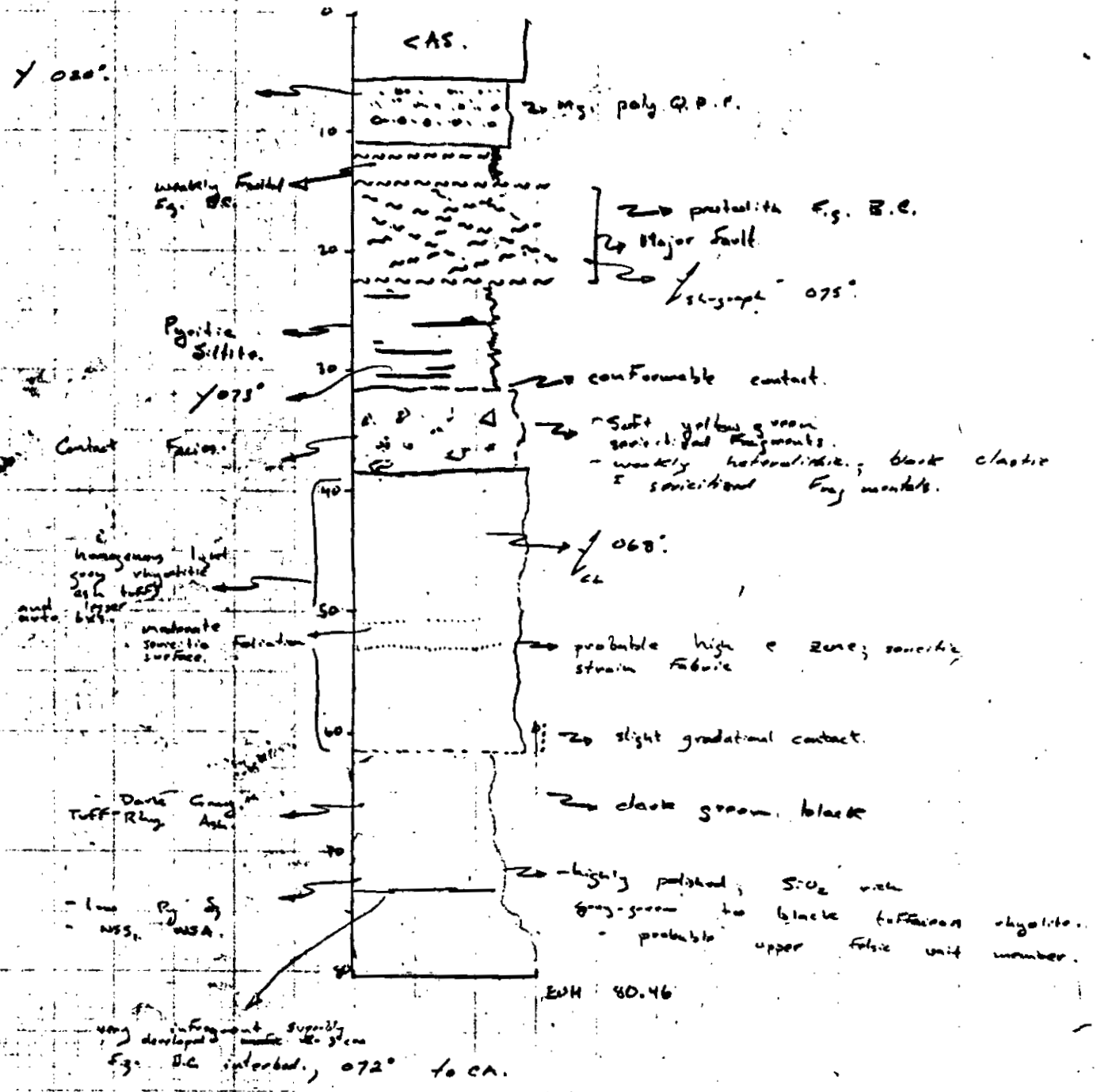
Structure: Slightly foliated: 56.8 - 80° to c.a.
Mineralization: Absent

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-85 PAGE 7 OF 9
		59.5-61.4 Lithology: Medium green, massive, hard with minor tuffaceous laminations from 61.2 to 61.4 and 60.5 to 60.6
		Alteration: Moderate, pervasive sericite
		Structure: Foliation in tuff laminations = 61.3 m - 80° to c.a.
		Mineralization: Absent
61.4	80.46	GREEN - BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
		Lithology: Medium green rhyolite fragments generally <1mm to 3 cm but up to 6 cm in diameter in a black matrix, hard, possibly glass with a minor tuffaceous component
		Matrix supported 60% up to 66.4.
		66.4-75.0 Fragment content increases to 60% with 40% matrix
		75.0-77.1 Tuffaceous content of the matrix increases to approximately 20% of the rock
		73.5 TURBIDITIC MUDSTONE - THIN (3.6)
		Structure: Weak foliation 65.5 m 85° to c.a.
		75.0 m 75-80° to c.a.
		Alteration: Weak sericite alteration of most of the fragments
		Mineralization: Trace of disseminated pyrite

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-95 PAGE 8 OF 9
		77.1 - 78.5	
		RHYOLITE BRECCIA to TUFFACEOUS RHYOLITE BRECCIA	
		Lithology: Rhyolite fragments, grey to pale green <1 mm to 6 cm in diameter in a rhyolite matrix of the same composition. Contacts of the fragments are not well defined. At 78.35 the fragment-size is generally smaller and the matrix contains a tuff fraction ≈10%	
		Structure: Slight foliation in the slightly tuffaceous section 78.9 – 70° to c.a.	
		Alteration: Weak sericite alteration of the fragments	
		Mineralization Trace of disseminated pyrite	
		78.2 - 78.35 HYALOCLASTIC DYKE? (RHYOLITIC)	
		Lithology: Medium to dark grey, aphanitic with fragments? which show a gradation with a few calcite amygdules.	
		Structure: Both contacts at 50° to c.a.	
		Alteration: Calcite veinlets 0-20° to c.a. ≈2%	
		Mineralization: Pyrite veinlets in fractures <1 mm wide ≈1%	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-95 PAGE 9 OF 9
		79.5 - 80.46	
		RHYOLITIC LAPILLI TUFF	
		Lithology: Rhyolite fragments <1mm to 2 cm, light grey to pale green ≈ 80% in a tuffaceous matrix ≈ 20% - Fragment supported	
		Structure: Strong foliation 89.7m = 70° To c.a.	
		Gradational contact	
		Alteration: Weak to moderate sericite alteration of both the fragments and tuff	
		80.46 End of hole	

DDH 91-95


0
<AS.
Y 020°.
Mg: poly Q.P.F.
10
weakly foliated Fg. B.C.
protolith Fg. B.C.
Major fault
20
sl-grade 075°
Pyritic Siltite.
30
conformable contact.
Y 075°
Contact Facies.
- Soft yellow green sericitized fragments.
- weakly heterolithic; black clastic & sericitized Fg mentals.
40
068°
homogeneous light green vitreous agl tuff
and lower auto bxb.
50
moderate sericitic foliation surface.
probable high e zone; sericitic strain fabric
60
slight gradational contact.
Dark Grey Ash.
Tuff-Rhy
clasts green, black
70
- highly polished, SiO2 vein
grey-green to black tuffaceous rhyolite.
- probable upper felsic unit member.
- low Pg Sy
- NSS, NSA.
80
EOH 80.46
very infragmental supported by green Fg. B.C. interbed, 072° to CA.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-95	12127	6.10	8.00	1.90	-	-	2	-	-	0.3	25	1	72	-	29	13	60	20620	17250
91-95	12128	8.00	10.00	2.00	-	-	2	-	-	0.5	22	1	82	-	31	11	65	21290	23950
91-95	12129	10.00	12.00	2.00	-	-	1	-	-	0.9	21	1	657	165	27	14	83	27170	49630
91-95	12130	12.00	17.00	5.00	-	-	2	-	-	1.5	23	4	47	355	11	9	100	7300	5300
91-95	12131	17.00	21.00	4.00	-	-	7	-	-	1.6	30	6	337	435	60	25	642	32980	17040
91-95	12132	21.00	23.00	2.00	-	-	13	-	-	2.1	44	7	159	570	63	17	705	37690	20510
91-95	12133	23.00	25.00	2.00	-	-	2	-	-	0.8	49	1	175	395	54	15	441	63880	25500
91-95	12134	25.00	27.00	2.00	-	-	1	-	-	2.1	60	3	148	1100	98	23	639	58850	25530
91-95	12135	27.00	29.00	2.00	-	-	1	-	-	0.9	45	9	100	960	74	20	658	34760	59080
91-95	12136	29.00	31.00	2.00	-	-	9	-	-	1.0	100	21	69	1095	77	29	680	41580	20350
91-95	12137	31.00	33.00	2.00	-	-	2	-	-	0.6	69	11	303	365	23	24	282	23960	14130
91-95	12138	33.00	35.00	2.00	-	-	3	-	-	0.6	63	4	103	-	7	23	104	11770	9500
91-95	12139	35.00	37.00	2.00	-	-	1	-	-	0.8	17	3	49	-	7	26	95	9720	26880
91-95	12140	37.00	39.00	2.00	-	-	4	-	-	0.6	78	8	37	-	5	23	86	7870	6440
91-95	12141	39.00	41.00	2.00	-	-	2	-	-	0.6	314	13	32	-	6	28	89	8730	8630
91-95	12142	41.00	43.00	2.00	-	-	6	-	-	0.7	65	5	30	-	5	26	91	9960	11450
91-95	12143	43.00	45.00	2.00	-	-	1	-	-	0.7	171	8	25	-	6	18	115	5630	7700
91-95	12144	45.00	47.00	2.00	-	-	2	-	-	0.7	199	10	30	-	6	27	112	5660	5720
91-95	12145	47.00	49.00	2.00	-	-	5	-	-	0.6	89	9	29	-	5	23	93	7860	5750
91-95	12146	49.00	51.00	2.00	-	-	1	-	-	0.5	211	11	22	-	6	50	115	8750	3570
91-95	12147	51.00	53.00	2.00	-	-	3	-	-	0.6	33	6	19	-	6	23	85	6810	7060
91-95	12148	53.00	55.00	2.00	-	-	2	-	-	0.4	160	10	20	-	6	28	116	6770	4380
91-95	12149	55.00	57.00	2.00	-	-	2	-	-	0.6	27	3	17	-	7	26	88	8420	8530
91-95	12150	57.00	59.00	2.00	-	-	1	-	-	0.6	24	2	15	-	6	23	104	8070	3180
91-95	12151	59.00	61.00	2.00	-	-	2	-	-	0.6	15	1	16	-	9	25	103	9120	6870
91-95	12152	61.00	63.00	2.00	-	-	4	-	-	0.7	13	1	15	-	6	27	83	7200	7020
91-95	12153	63.00	65.00	2.00	-	-	2	-	-	0.6	17	1	25	-	7	26	134	9530	5040
91-95	12154	65.00	67.00	2.00	-	-	2	-	-	0.9	15	2	28	-	7	24	138	8120	8580
91-95	12155	67.00	69.00	2.00	-	-	1	-	-	0.6	23	2	22	-	5	25	102	8080	2860
91-95	12156	69.00	71.00	2.00	-	-	2	-	-	0.6	15	1	22	-	4	24	104	7320	6440
91-95	12157	71.00	73.00	2.00	-	-	1	-	-	0.5	9	1	23	-	6	29	125	8270	10300
91-95	12158	73.00	75.00	2.00	-	-	2	-	-	0.3	17	1	19	-	12	28	160	14830	5790
91-95	12159	75.00	77.00	2.00	-	-	1	-	-	0.4	9	1	18	-	7	26	111	10170	5260
91-95	12160	77.00	79.00	2.00	-	-	1	-	-	0.5	19	3	14	-	10	20	81	12870	12100
91-95	12161	79.00	80.46	1.46	-	-	2	-	-	0.3	8	1	16	-	8	27	108	9340	5350

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ75+76
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12086	.9	9720	25	1	98	.2	2	60600	.1	8	23	23300	1010	15	9700	498	3	600	61	800	15	1	205	1	24	32.2	43	6	1	5	119	1	
12087	1.3	8880	25	1	77	.1	1	58790	.1	8	24	22390	940	13	9200	528	2	640	61	810	14	1	203	1	22	29.5	40	5	1	4	106	2	
12088	1.0	10870	24	1	116	.1	5	52900	5.2	8	46	31980	2180	14	11310	539	6	420	50	740	14	1	169	1	22	53.9	370	3	1	2	52	2	610
12089	2.4	13290	38	2	209	.4	1	23800	13.3	10	61	33150	4130	12	14550	397	9	830	51	1040	21	5	132	1	22	77.4	680	5	1	3	44	4	665
12090	1.9	11010	30	1	172	.2	1	24100	19.7	9	66	29220	3180	11	15110	496	16	510	42	700	17	6	123	1	18	79.9	911	4	1	2	34	4	605
12091	2.0	14600	42	1	192	.4	1	13170	15.6	9	70	29450	3670	17	8890	254	15	610	36	470	18	6	90	1	26	87.6	827	4	1	3	55	3	540
12092	1.2	7500	32	1	105	.1	1	23500	6.2	7	40	24510	2120	7	6850	765	12	660	17	810	17	4	107	1	17	43.4	428	3	1	3	78	4	310
12093	3.5	14770	64	2	135	.1	1	21530	16.7	12	94	47770	4690	11	9320	551	13	720	40	2030	23	9	128	1	21	111.5	867	3	1	3	56	10	950
12094	4.6	15630	67	1	85	.1	1	19590	32.5	13	112	58840	4730	8	7640	574	18	830	40	1610	27	11	123	1	15	114.2	1383	3	1	3	42	6	1145
12095	3.9	24280	63	7	71	.1	1	20590	12.5	13	93	62350	8500	14	8060	645	13	740	41	5140	25	5	78	1	58	220.5	847	3	1	4	72	10	1250
12096	1.9	11980	36	2	151	.2	1	65600	7.4	8	66	29240	5720	2	5680	819	28	760	62	1160	20	6	70	1	31	79.4	631	5	1	2	22	2	745
12097	2.0	9960	53	1	126	.4	1	63950	13.2	7	80	24080	5070	2	3340	720	39	630	90	730	30	14	58	1	32	93.9	1053	4	1	2	24	12	950
12098	.7	6640	62	1	96	2.2	1	18830	.4	3	20	17970	3470	2	2500	206	21	600	18	220	24	6	31	3	25	15.6	231	3	1	4	110	1	310
12099	.7	7790	23	1	104	3.2	1	11500	.1	2	7	10730	4460	2	2520	179	2	580	1	20	30	1	18	4	28	2.6	114	3	1	3	74	2	95
12100	1.5	8440	29	1	81	.1	17	21120	.1	41	50	63530	3170	6	2420	940	1	910	43	1120	6	1	26	1	4248	90.7	96	1	2	8	93	3	
12101	1.4	8870	31	10	68	.1	17	34090	.1	42	51	65740	2490	12	3250	1420	1	380	48	1270	10	1	30	1	3901	120.5	92	1	3	9	123	8	
12102	2.4	11380	23	7	126	.1	22	21460	.1	49	58	57290	3780	11	3220	1036	1	480	51	1290	7	1	35	1	5498	150.6	96	1	4	14	191	4	
12103	.6	7120	28	2	58	1.0	2	13940	.1	6	10	17380	3080	7	2680	474	6	200	7	160	27	2	12	1	188	11.8	118	3	1	5	114	3	
12104	.5	11260	30	2	52	2.3	1	21570	.1	4	7	19790	5240	11	3160	511	7	220	1	70	24	1	14	1	107	4.4	118	4	1	8	193	13	
12105	.7	11730	36	2	53	2.5	2	22730	.1	4	8	20380	5460	11	3310	525	6	230	1	60	26	1	14	2	97	4.3	124	6	1	8	198	17	
12106	.3	11560	18	5	41	2.7	1	5740	.1	3	7	13560	5380	9	2780	215	9	230	3	50	20	1	5	1	147	4.0	101	5	1	7	162	9	
12107	.5	7510	39	2	24	2.2	3	9470	.1	8	9	19970	3630	5	1200	194	8	360	9	130	9	1	7	1	601	15.1	31	3	1	11	265	3	
12108	.6	4380	20	1	26	1.9	2	3330	.1	4	7	10110	2450	3	500	105	7	390	5	80	15	1	4	1	407	8.7	72	3	1	9	212	2	
12109	.3	4070	22	1	17	1.3	1	24920	.1	3	6	23910	1970	4	1340	436	7	230	1	30	18	1	11	1	79	2.5	59	2	1	8	203	2	
12110	.1	5050	17	1	21	2.8	1	12430	.1	4	9	29870	2560	5	1410	370	5	170	1	40	27	1	5	1	90	2.1	107	2	1	6	156	1	
12111	.4	6010	16	1	31	2.6	2	9510	.1	3	7	18350	2990	5	1580	236	5	240	1	70	19	1	5	1	195	3.6	85	3	1	7	187	1	
12112	2.1	13300	6	3	31	.1	19	18100	.1	25	23	35170	5150	11	4260	251	2	400	41	660	5	1	9	1	4765	98.5	64	1	4	10	156	4	
12113	4.0	16630	1	5	47	.1	35	34220	.1	47	45	49630	5710	15	5560	524	1	520	80	1410	1	1	15	1	8135	158.1	120	1	6	13	156	7	
12114	1.6	18900	15	3	60	.1	14	47830	.1	31	29	45640	3630	23	8850	966	1	1320	41	880	6	1	24	1	3288	137.7	63	3	2	10	162	2	
12115	.4	6440	19	1	34	1.1	2	14250	.1	7	6	18090	2820	5	1970	286	6	400	11	130	4	1	7	1	388	14.3	25	3	1	5	126	2	
12116	.2	8860	32	2	33	1.0	4	15400	.1	10	10	36450	3990	8	2630	416	2	430	11	210	9	1	8	1	996	39.6	36	1	2	7	180	3	
12117	.1	9640	17	1	26	1.9	1	5100	.1	2	8	15730	4440	9	2990	168	7	300	1	50	14	1	3	1	82	3.6	68	4	2	6	142	1	
12118	1.6	4320	13	1	15	1.6	1	20170	.1	2	7	10980	1690	5	1970	481	7	270	1	40	12	3	10	1	65	3.3	42	3	1	5	135	1	
12119	.3	5320	38	1	16	2.3	1	17670	.1	3	7	21480	2500	3	1300	616	4	350	1	30	10	1	9	1	44	6.0	46	2	1	8	216	1	
12120	.5	7820	31	1	15	2.9	2	19190	.1	3	11	28400	3520	8	2940	691	10	230	1	40	19	1	11	1	55	4.6	79	3	1	6	152	1	
12121	1.1	8270	14	1	16	2.8	2	14500	.1	2	23	18000	3200	8	3320	351	4	220	2	30	44	1	10	1	49	2.9	67	4	1	8	189	3	
12122	.3	6050	11	1	12	4.0	3	7120	.1	2	5	14380	2560	5	1940	186	10	330	1	30	19	1	5	1	49	2.0	55	4	1	5	140	1	
12123	.1	4320	16	1	10	1.7	1	4940	.1	3	6	28270	1420	5	1470	177	8	370	1	30	19	2	5	1	29	2.4	41	4	1	10	249	1	
12124	.4	3210	13	1	12	2.4	1	8190	.1	2	4	11560	740	4	1320	150	10	370	1	60	14	1	7	1	47	2.8	23	4	1	7	186	6	
12125	.2	4470	20	1	12	2.4	1	3900	.1	2	5	14180	740	6	2120	180	5	380	2	50	18	2	3	1	30	2.0	28	6	1	11	268	1	
12126	.3	2530	14	1	17	1.3	1	1510	.1	1	5	8080	1050	2	880	87	11	400	1	50	14	1	2	1	22	2.0	9	3	1	9	238	1	
12127	.3	10180	25	3	72	.3	2	17250	.1	9	29	20620	1360	13	7970	238	6	300	81	450	13	1	67	1	32	28.5	60	3	1	6	148	2	
12128	.5	12930	22	1	82	.2	2	23950	.1	10	31	21290	1500	16	11540	298	1	330	103	410	11	1	91	1	41	40.2	65	4	1	7	181	2	
12129	.9	14100	21	1	657	.2	2	49630	.1	9	27	27170	1800	14	13150	702	3	400	66	1020	14	1	145	1	38	44.3	83	5	6	6	133	1	165
12130	1.5	4250	23	1	47	.2	2	5300	.8	3	11	7300	910	1	2640	92	3	110	17	240	9	4	19	1	12	16.8	100	6	2	1	16	2	355
12131	1.6	15970	30	2	337	.3	2	17040	10.1	9	60	32980	3210	14	10600	497	8	520	46	620	25	6	77	1	41	87.0	642	4	3	3	58	7	435
12132	2.1	10710	44	1	159	.1	1	20510	11.0	11	63	37690	1950	6	7700	573	22	410	29	970	17	7	108	1	23	77.1	705	4	2	2	33	13	570
12133	.8	26000	49	5	175	.3	3	25500	.1	14	54	63880	5170	23	12070	537	7	340	41	5520	15	1	109	1	64	150.7	441	3	2	4	56	2	395
12134	2.1	18560	60	3	148	.1	1	25530	6.7	14	98	58850	5550	10	7570	418	23	540	59	5400	23	3	71	1	67	120.6	639	2	2	2	35	1	1100
12135	.9	10440	45	1	100	.2	2	59080	5.8	10	74	34760	4260	2	4370	512	49	470	93	1970	20	9	87	1	43	75.5	658	3	3	2	23	1	960
12136	1.0	8250	100	1	69	.4	1	20350	5.8	11	77	41580	3340	2	3630	382	50	410	89	880	29	21	41	1	36	56.5	680	1	1	1	16	9	1095
12137	.6	5800	69	1	303	1.4	2	14130	.3	4	23	23960	3370	1	2760	252	37	60	26	190	24	11	33	1	27	13.1	282	3	1	3	86	2	365
12138	.6	4850	63	1	103	2.3	2	9500	.1	2	7	11770	2650	1	1860	193	9	160	4	40	23	4	22	1	33	2.8	104	3	1	3	92	3	
12139	.8	4510	17	1	49	2.4	2	26880	.1	1	7	9720	2950	1	840	658	7	320	4	30	26	3	52	2	56	2.4	95	4	1	4	112	1	
12140	.6	3120	78	1	37	1.7	2	6440	.1	1	5	7870	2520	1	360	154	3	320	3	10	23	8	9	2	49	1.2	86	3	1	4	112	4	
12141	.6	3230	314	1	32	1.2	2	8630	.1	1	6	8730	2470	1	310	254	5	300	3	10	28	13	11	2	44	1.6	89	3	1	5	137	2	

91-95

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ77+78
DATE: 91/10/17
* ROCK * (ACT:F31)

91-95

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12142	.7	4380	65	1	30	1.0	2	11450	.1	1	5	9960	3030	1	540	341	4	340	1	10	26	5	16	3	59	1.6	91	3	1	4	102	6	
12143	.7	4420	171	1	25	1.4	1	7700	.1	1	6	5630	3100	1	520	164	3	230	1	20	18	8	9	1	32	1.5	115	3	1	3	90	1	
12144	.7	6030	199	1	30	2.3	2	5720	.1	1	6	5660	4520	1	560	162	1	200	1	10	27	10	8	3	57	1.2	112	4	1	3	69	2	
12145	.6	4350	89	1	29	1.3	1	5750	.1	1	5	7860	3280	1	670	209	5	320	1	10	23	9	8	3	68	1.4	93	3	1	4	104	5	
12146	.5	3890	211	1	22	1.5	1	3570	.1	1	6	8750	2920	1	860	169	1	280	1	10	50	11	5	2	54	.9	115	4	1	2	58	1	
12147	.6	3240	33	1	19	1.1	2	7060	.1	1	6	6810	2300	1	540	234	2	320	1	10	23	6	9	1	53	1.1	85	3	1	4	94	3	
12148	.4	3760	160	1	20	1.7	1	4380	.1	1	6	6770	3080	1	800	150	5	170	1	10	28	10	6	1	37	1.1	116	3	1	3	69	2	
12149	.6	3950	27	1	17	1.8	2	8530	.1	1	7	8420	2050	1	860	305	3	390	1	20	26	3	8	2	75	1.3	88	4	1	5	115	2	
12150	.6	3540	24	1	15	1.5	2	3180	.1	1	6	8070	1870	1	850	166	1	370	1	10	23	2	4	1	69	.9	104	4	1	4	98	1	
12151	.6	6200	15	1	16	1.5	1	6870	.1	1	9	9120	2880	1	1340	261	7	380	1	10	25	1	11	2	79	1.9	103	4	1	6	146	2	
12152	.7	6670	13	1	15	3.3	1	7020	.1	1	6	7200	3600	1	1190	175	1	200	1	10	27	1	5	2	87	1.2	83	4	1	3	83	4	
12153	.6	6120	17	1	25	2.1	2	5040	.1	1	7	9530	2530	3	1510	231	3	460	1	10	26	1	6	2	114	1.5	134	5	1	6	140	2	
12154	.9	8490	15	1	28	3.5	2	8580	.1	1	7	8120	4140	1	1560	297	3	330	2	20	24	2	8	2	118	1.6	138	6	1	5	110	2	
12155	.6	8590	23	1	22	3.4	1	2860	.1	1	5	8080	4620	1	1560	134	3	210	1	20	25	2	4	2	94	1.3	102	6	1	4	100	1	
12156	.6	10520	15	1	22	4.3	3	6440	.1	1	4	7320	5850	6	2080	185	1	70	1	10	24	1	8	2	107	1.3	104	5	1	3	80	2	
12157	.5	10220	9	2	23	4.3	1	10300	.1	1	6	8270	5250	7	2400	290	2	100	1	10	29	1	11	3	84	1.5	125	4	1	4	72	1	
12158	.3	7510	17	1	19	2.6	1	5790	.1	2	12	14830	3680	5	1850	267	6	360	1	10	28	1	10	2	95	1.5	160	3	1	7	164	2	
12159	.4	7160	9	1	18	2.4	1	5260	.1	1	7	10170	3640	4	1800	208	2	270	1	10	26	1	10	3	97	1.2	111	4	1	4	86	1	
12160	.5	6320	19	1	14	1.4	1	12100	.1	5	10	12870	1800	2	2490	427	3	410	6	100	20	3	15	1	74	13.2	81	4	1	6	134	1	
12161	.3	4670	8	1	16	1.1	1	5350	.1	1	8	9340	1680	1	1680	180	2	420	1	20	27	1	7	2	67	2.1	108	3	1	5	119	2	
12162	.5	3930	17	4	12	.5	2	1760	.1	3	57	8060	270	3	1550	124	2	760	3	50	36	3	3	2	75	2.3	76	3	1	4	89	2	
12163	.6	7620	17	1	32	1.9	2	950	.1	2	15	8120	2710	6	1980	103	2	510	3	20	120	2	2	5	111	1.5	93	5	1	3	74	1	
12164	.4	9500	15	1	43	3.2	2	710	.1	2	11	10800	3530	8	2600	138	2	340	1	10	33	1	3	5	112	1.0	79	5	1	4	80	2	
12165	.3	12350	10	3	59	5.3	2	3960	.1	1	6	6140	7150	8	1800	85	2	60	3	10	34	1	3	5	90	.8	145	5	1	3	67	6	
12166	.3	5760	12	1	31	2.2	2	4470	.1	1	7	7020	2800	4	1170	83	1	260	2	20	30	1	3	3	71	.6	91	3	1	3	71	2	
12167	.3	5440	11	1	26	1.9	2	550	.1	1	6	7580	2010	3	1500	59	2	240	2	10	31	2	2	3	60	.7	75	3	1	2	52	1	
12168	.3	4440	15	1	33	1.8	2	460	.1	1	6	7140	1990	2	770	40	2	280	3	10	27	2	2	1	44	.5	82	2	1	3	90	1	
12169	.4	4580	16	1	29	2.8	2	4830	.1	1	7	6640	3150	1	600	44	2	90	2	20	30	2	4	1	36	.8	74	2	1	2	52	2	
12170	.5	4010	10	1	32	2.6	1	6640	.1	1	6	5500	3280	1	570	72	1	70	3	10	27	2	4	2	40	.8	80	2	1	3	66	1	
12171	.6	5660	15	1	60	2.7	2	10220	.1	1	5	7670	3750	1	3660	160	2	40	3	20	29	2	10	2	41	1.4	104	4	1	2	58	1	
12172	.9	8840	13	1	45	3.1	2	21870	.1	1	5	8390	4030	7	7070	307	2	30	1	20	26	2	17	3	49	2.2	90	5	1	2	50	1	
12173	.7	20600	34	1	59	1.4	3	58840	.1	21	23	30640	4140	32	20180	1078	1	310	28	680	24	1	31	1	148	87.9	86	5	1	5	112	2	
12174	1.1	21710	27	1	52	.2	7	68620	.1	32	35	42780	2450	35	24800	1368	1	510	43	930	16	1	38	1	1163	116.0	71	4	2	6	123	1	
12175	1.3	17290	17	1	51	.1	12	61260	.1	25	27	46510	2170	26	18680	1195	1	360	23	620	16	1	27	1	2286	83.6	51	2	2	5	106	2	
12176	1.0	23370	1	1	41	.1	14	58610	.1	33	42	78210	1250	39	28060	1450	1	410	13	970	6	1	25	1	3419	156.2	55	1	3	7	156	1	
12177	2.3	28960	1	1	30	.1	22	58660	.1	37	42	63170	770	37	28050	1336	1	1150	17	1040	6	1	26	1	5383	237.7	68	1	4	9	170	1	
12178	2.4	38290	1	1	34	.1	24	56840	.1	43	46	64990	870	44	33410	1175	1	1770	37	1080	6	1	25	1	5763	262.4	82	1	5	11	207	1	
12179	2.1	25940	2	1	39	.1	20	63300	.1	40	44	62300	1160	36	29890	1162	1	670	34	920	6	1	24	1	4634	186.7	70	1	4	9	177	1	
12180	2.7	25350	1	1	35	.1	23	61770	.1	42	42	57030	1060	38	33920	1154	1	260	31	1020	6	1	19	1	5610	217.3	70	1	4	10	203	1	
12181	2.3	17960	3	1	45	.1	21	63500	.1	41	46	60410	1280	26	22620	1289	1	240	34	1020	6	1	21	1	5121	150.4	73	1	6	8	158	2	
12182	2.4	19070	3	1	34	.1	21	63320	.1	40	45	51680	1000	25	23890	1359	1	240	40	1060	9	1	19	1	4872	171.6	126	2	4	9	172	2	
12183	2.1	22750	3	1	30	.1	19	58430	.1	40	43	54480	820	29	27360	1333	1	440	40	980	6	1	18	1	4355	191.4	103	1	4	9	166	1	
12184	2.0	32480	1	1	18	.1	21	56610	.1	40	45	56210	390	31	28100	1216	1	1390	42	1040	6	1	23	1	4817	262.1	86	2	4	11	197	2	
12185	2.2	33770	1	1	22	.1	22	59830	.1	41	41	57990	440	26	23520	1274	1	2010	44	1050	7	1	28	1	5073	269.0	74	2	5	11	197	1	
12186	1.8	30920	1	1	23	.1	20	52210	.1	45	47	63790	530	33	28090	1286	1	1220	51	970	6	1	18	1	4821	241.6	75	1	4	11	201	2	
12187	1.8	22800	6	1	29	.1	18	56630	.1	43	45	56300	650	25	23340	1260	1	350	73	990	6	1	15	1	4081	213.1	72	3	3	10	198	1	
12188	2.1	16750	9	1	96	.1	20	61840	.1	48	51	63550	1210	15	14540	1383	1	510	61	1130	13	1	18	1	4839	177.0	71	2	4	10	187	1	
12189	2.3	38360	1	1	16	.1	25	48210	.1	48	46	70880	290	29	32790	1547	1	1130	59	990	6	1	18	1	5745	282.3	81	1	5	12	222	3	
12190	1.9	32240	1	1	43	.1	20	56150	.1	46	40	63600	520	26	26320	1383	1	1190	54	990	6	1	20	1	4546	250.4	71	2	4	11	208	1	
12191	1.6	42810	1	1	27	.1	20	56410	.1	43	47	74660	270	30	25620	1462	1	2240	40	980	6	1	27	1	4438	274.3	79	2	5	11	209	1	
12192	2.5	37610	1	9	14	.1	25	51920	.1	47	44	73600	180	33	27940	1519	1	1020	45	1020	6	1	16	1	6031	300.1	82	1	6	12	221	2	
12193	1.9	35120	1	4	22	.1	21	50340	.1	44	41	69200	230	32	30030	1523	1	580	44	1050	5	1	15	1	4984	291.9	72	1	4	12	226	1	
12194	2.4	40550	1	2	14	.1	26	42430	.1	46	43	76810	180	33	33480	1171	1	1120	41	890	5	1	15	1	6265	303.8	77	1	5	12	226	2	
12195	1.8	29510	6	1	48	.1	18	59070	.1	30	28	58960	1360	25	21380	944	1	730	21	650	10	1	18	1	4122	185.2	65	4	4	9	155	1	
12196	.7	6380	14	1	84	1.1	1	20740	.1	3	5	12080	1990	1	2120	307	3	380	3	50	26	1	16	1	163	8.4	40	4	1	5	128	1	
12197	.8	13970	32	1	78	1.6	4	42250	.1	14	19	32390	2300	15	12750	852	6	490	17	360	22	1	37	1	516	87.3	52	7	1	7	159	1	

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-96
PAGE 1 OF 13

TESTS

Meterage	Dip	Azimuth
0	-45°	117°
55	-45°	114°
100	-45°	115°
144	-44°	115°

COLLAR SURVEY:
Northing: 11381.52
Easting: 9787.60
Elevation: 1248.02
Azimuth: 117°
Dip: -45°
IP Grid Coordinates: 11400 N, 9796 E

CORE BQ TW
Section: 11380 N
Date Started: Aug 12/91
Date Finnished: Aug 13
Date Logged: Aug 14

Total Depth: 147.22
Casing Depth 1.52m
Casing Left In: Yes
Logged By: M. ARCHAMBAULT
Comments:

SAMPLE NUMBERS
12162 To 12235
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	1.52	CASING
1.52	23.0	RHYODACITIC FLOW – CRACKLE BRECCIA
		Lithology: Medium greenish grey to grey, rhyolite fragments, angular, <1mm to 5cm in diameter form 90% in an aphanitic matrix dark grey to black, possibly glass
		Alteration: Weak sericite alteration of the fragments
		Oxidation and bleaching of most of the interval by weathering
		Structure: Very fractured 10-12/m.
		Mineralization: Disseminated, very fine grained pyrite in the matrix 1-2%
		6.9-7.0 Massive tuff
		20-21.2
		Lithology: Medium greyish green, slightly mottled, massive, fine grained tuff hard and softer patches.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-96 PAGE 2 OF 13
		Alteration: Some patches weakly altered to sericite - softer patches
		Structure: Weak foliation 40° to c.a.
		Mineralization: absent
		7.5 - 8.2 AUTOBRECCIATED RHYOLITE FLOW
		12.7 - 13.0
		Lithology: Medium greenish grey, with small breccia fragments in a matrix of the same composition.
		Alteration: Weak sericite alteration gives a mottled texture
		Structure: Gradational contacts
		Mineralization: Trace of disseminated pyrite.
		22.0 - 23.0
		Lithology: Medium greenish grey fine grained well foliated with a section containing small < 1cm rhyolite fragments aligned parallel to foliation ≈ 80% with 20% tuffaceous matrix (22.25 - 22.75)
		Structure: Strong foliation 45° to ca at 22.25 m

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-96 PAGE 3 OF 13
		Alteration: Weak sericite alteration. Some sections are weathered with limonite stains over 30 cm	
		Mineralization Pyrite in small veinlets <0.5%	
23.0	67.25	DIORITE DYKE (6.1)	
		Lithology: Very fine to medium grained, equigranular, massive	
		Structure: Fractures 1-3/m	
		Fault 25.3, 5 cm of mud	
		Broken and ajidized at 32.2 m over 30 cm	Brecciation 26 - 26.9
		33.6 m over 30 cm	
		37.5 m over 40 cm	
		46.63 m over 60 cm	
		54.6 m over 20 cm	
		Alteration: Pervasive calcite, ≈ 1-5% throughout - Calcite-quartz veinlets <1 mm wide ≈ 1%	
		Mineralization: Very finely disseminated pyrite 1-2% throughout	
		Pyrite veinlets of irregular shape ≈ 0-2% <3 mm wide	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-96 PAGE 4 OF 13
67.25	70.0	RHYODACITIC FRAGMENTAL (3.0) +/- RHYOLITE FLOW (AUTOBRECCIATED) - CRACKLE BRECCIA (3.8 BxC)	
		Lithology: Pale-medium green, massive, no texture, hard — may have been hornfelsed by the dyke	
		Structure: Fractured 3-4/m, Weak foliation in places 50° to c.a at 65.0 m.	
		Alteration: Moderate sericite throughout (pervasive)	
		Mineralization: Absent	
		68.75 - 70.0	
		Lithology: Medium greenish grey, mottled and hard.	
		Structure: —	
		Alteration: Moderate sericite of part of the breccia, gives a mottled texture	
		Mineralization: Trace of disseminated pyrite	
70.0	71.74	DIORITE DYKE (1.1)	
		As 23.0 - 47.25 Aphanitic to fine grained.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-96 PAGE 5 OF 13
71.74	78.92	RHYODACITIC FRAGMENTAL (3.0) +/- RHYOLITE FLOW (AUTOBRECCIATED) CRACKLE BRECCIA (3.8 BxC)
		Lithology: Medium green, hard, slightly foliated with approximately 10% lapilli fragments of the same composition, 5mm to 3cm in diameter and one fragment - 10 cm
		Structure: Hydrothermal brecciation 68.7 to 69.15 with fragments < 2 cm
		Moderate foliation 74m - 75° to c.a
		77m - 65° to c.a
		Contacts are sharp with rhyolite flow
		Alteration: Weak - moderate sericite alteration
		Calcite crackle brecciation 71.75 - 72.2 ≈20%
		Mineralization: Absent
78.92	79.85	RHYOLITE FLOW (AUTOBRECCIATED) (3.8)
80.25	80.35	
		Lithology: Pale to medium grey, massive to autobrecciated, and minor banding
		Structure: Contacts are sharp 70° - 80° to c.a
		Alteration: —
		Mineralization: 78.93 - 79.85 Absent 80.25 - 80.35 <1% disseminated pyrite near contacts

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-96 PAGE 6 OF 13
79.85	80.25	RHYODACITIC FRAGMENTAL (3.0) +/- RHYOLITE FLOW (AUTOBRECCIATED) - CRACKLE BRECCIA (3.8 BxC)	
80.35	108.25		

Lithology: Similar to 71.75-78.93 (80.35-99.75) Medium - dark green, ash tuff with 30% lapilli which are more defined and angular to sub rounded. The majority of the fragments (≈70%) are of the same composition but some fragments look like rhyolite flow fragments i.e. pale grey and massive (5%) others are strongly sericitized, medium and dark green (10%), and a few <1% dark grey to black.
85.2 - 86.25 - <5% fragments → almost massive tuff interval
Gradually becomes softer, more dacitic with less rhyolite fragments around 88-89 m

Structure: Weakly foliated 83 m ≈ 75° to c.a. | Contains a few rhyolite fragments within the last 2 m.
86 m ≈ 75° to c.a.
88 m 60° to c.a. - strong foliation near dyke contact
91.9 m 80° to c.a.

Alteration: Moderate sericite pervasive. Calcite alt. pods and irregular veinlets 10 cm on each side of dyke ≈ 85-86 m and down to 92.85 - matrix changes composition - soft, does not react to acid

Mineralization: Rare pyrite veinlet in fracture 1-2 mm wide - trace

88.2 - 88.95 DIORITE DYKE (6.1)

Lithology: Pale to medium grey - massive, aphanitic to very fine grained
Structure: Both contacts 60° to c.a.
Alteration: Pervasive calcite alteration ≈5%
Mineralization: Pyrite in irregular veinlets ≈1 mm wide ≈1-2%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-96 PAGE 7 OF 13

99.75 - 105.35

Lithology: Pale greenish grey fragmental majority of grain size is 1mm - 5mm with 20% of lapilli from 1cm to 4cm. Fragments are composed mainly of dacite or rhyolite (95%) pervasively to different degrees. They vary from pale grey and pale green to medium grey are generally soft (as) and sub-rounded to sub-angular. Other fragment types are black, dark green and dark grey also aphanitic (5%). They are matrix supported with a white, pitted siliceous matrix

Structure: massive no bedding planes, Fractures 1-2/m

Alteration: - minor calcite in fractures
Limonite + bleaching along fractures

Mineralization: Absent

105.35 - 108.25

Lithology: Pale green to medium grey, massive with foliated sections and crackle brecciated 103.3 - 104.5 where the original texture is obliterated. Could also be an autobrecciated flow with matrix altered to sericite

Structure: Foliation 105.35 - 105.45 = upper contact 50° to c.a
106.05 - 106.15 45° to c.a
lower contact = sharp - 25° to c.a.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 41-96 PAGE 5 OF 13
		Alteration: Moderate pervasive sericite	
		Mineralization: Absent	
108.25	120.85	HEMATITIC POLYMICTIC VOLCANIC WACKE (2.4) +/- SUB-AERIAL INTERMEDIATE FRAGMENTAL - SERICITE (2.3a)	
		Lithology: Dark grey, fine grained, with lapilli from 2mm - 3 cm, of the same composition ≈ 40%	
		From 114.45 to the end, it also includes sericite altered rhyolitic fragments i.e. pale green and soft ≈ 10%	
		From 120.05-120.85 It includes angular fragments which are strongly sericitized (20%) and look like serpentinite, in a crushed black matrix	
		Structure: 110.52 - 110.41 = 9 cm of grey gouge mud. Adjacent foliation = 40° to c.a	
		115.0 - 30 cm of rusty fractures	
		118.0 - 119 core is very broken	
		119.5 - 7 cm of gouge - dark grey	
		119.25 - 120.85 Matrix appears crushed, brecciated	
		120.75 slickenside 45° to c.a	
		Alteration: 117.45 - 120 Strong sericite alt of the rhyolitic fragments	
		117.45 - 119.35 Core slightly bleached to a pale greenish grey	
		Mineralization: Trace pyrite in a small calcite veinlet	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-96 PAGE 9 OF 13
120.85	121.25	BLACK TUFFACEOUS MUDSTONE (2.8)	
		Lithology: Black, massive, slightly graphitic in the gouge zone	
		Structure: Faulted contacts: 60° & 65° to c.a	
		121.15 - 5 cm gouge.	
		Alteration: quartz - calcite veinlets ≈ 2%	
		Mineralization: Pyrite blebs with quartz calcite veinlets ≈ 1%	
121.25	124.25	CHLORITIC VOLCANIC WACKE (2.0) +/- BLACK TUFFACEOUS MUDSTONE - SERICITE (2.8a)	
		Lithology: 121.25 - 122.75 Medium grey wacke with small clasts 1 mm to 5 mm, elongated and angular of mainly the same composition as the tuffaceous matrix but with 10% of black and dark green clasts Approximately 35% fragments & 65% matrix	
		Structure: Foliated 50° to c.a.	
		Alteration: Weak pervasive sericite	
		Mineralization: Trace pyrite in one fracture	
		122.75 - 124.25	
		Lithology: Pale green, no fragments, well foliated	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-96 PAGE 10 OF 13
		Structure: Strong foliation: 45° to c.a.	
		Alteration: Strong pervasive sericite, Quartz veins 1mm to 1.5cm wide 5%, barren	
		Mineralization: Absent	
124.25	128.4	BLACK TUFFACEOUS MUDSTONE (2.8)	
		Lithology: Black, slightly graphitic with some pale silty lamination ≈10%, <1mm up to 5mm and pyritic laminations <2mm wide ≈1%	
		Structure: 124.5 - fault, broken core with pieces (2) of core showing numerous clasts strongly attuned to sericite (looks like superstrate) 30% of the core over 12cm slicken side 45° to c.a.	
		Alteration: Pervasive silicification, irregular white quartz veins 1mm to 3cm wide, barren and broken quartz chips in fault zone	
		Mineralization: Syngenetic pyrite laminations ≈1% Pyrite blebs along foliation	
128.4	147.2	SUB-AERIAL INTERMEDIATE FLOW - FIAME - LAPILLI (2.2 F-L) (Welded Tuff)	
		128.4-128.95	
		Lithology: Pale greenish grey with volcanic fragments of several different types in a hard siliceous tuffaceous matrix. Bed grades upwards from fragments up to 3cm at the base to 0.5cm at the top. F fragments are of aphanitic volcanics, beige grey to green, sub rounded to sub angular	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-96 PAGE 11 OF 13
		Structure: Strongly foliated 45° to c.a.	
		Alteration: Sericite alteration of the fragments	
		Mineralization: Trace of disseminated pyrite along foliation	
		128.95 - 132.45	
		Lithology: Pale greenish grey fine grained rhyolitic tuff with 20-30% lapilli, lithologic with 95% of fragments being rhyolitic, sericite altered to different degree and 5% others i.e. black and dark grey, in an aphanitic to fine grained rhyolitic tuff matrix.	
		Top 20 cm are finer grained < 3 mm	
		Structure: Moderately foliated 70° to c.a.	
		Alteration: Moderate pervasive sericite	
		Mineralization: Absent	
		132.45 - 133.1	
		Lithology: Pale to medium green, graded fining upwards with fragments at the base up to 1 cm in diameter and < 3 mm at the top. It is composed of 70% fragments of which 90% are medium green, 10% are pale grey, beige and black	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-96 PAGE 12 OF 13

Structure: Weakly foliated 75° to c.a

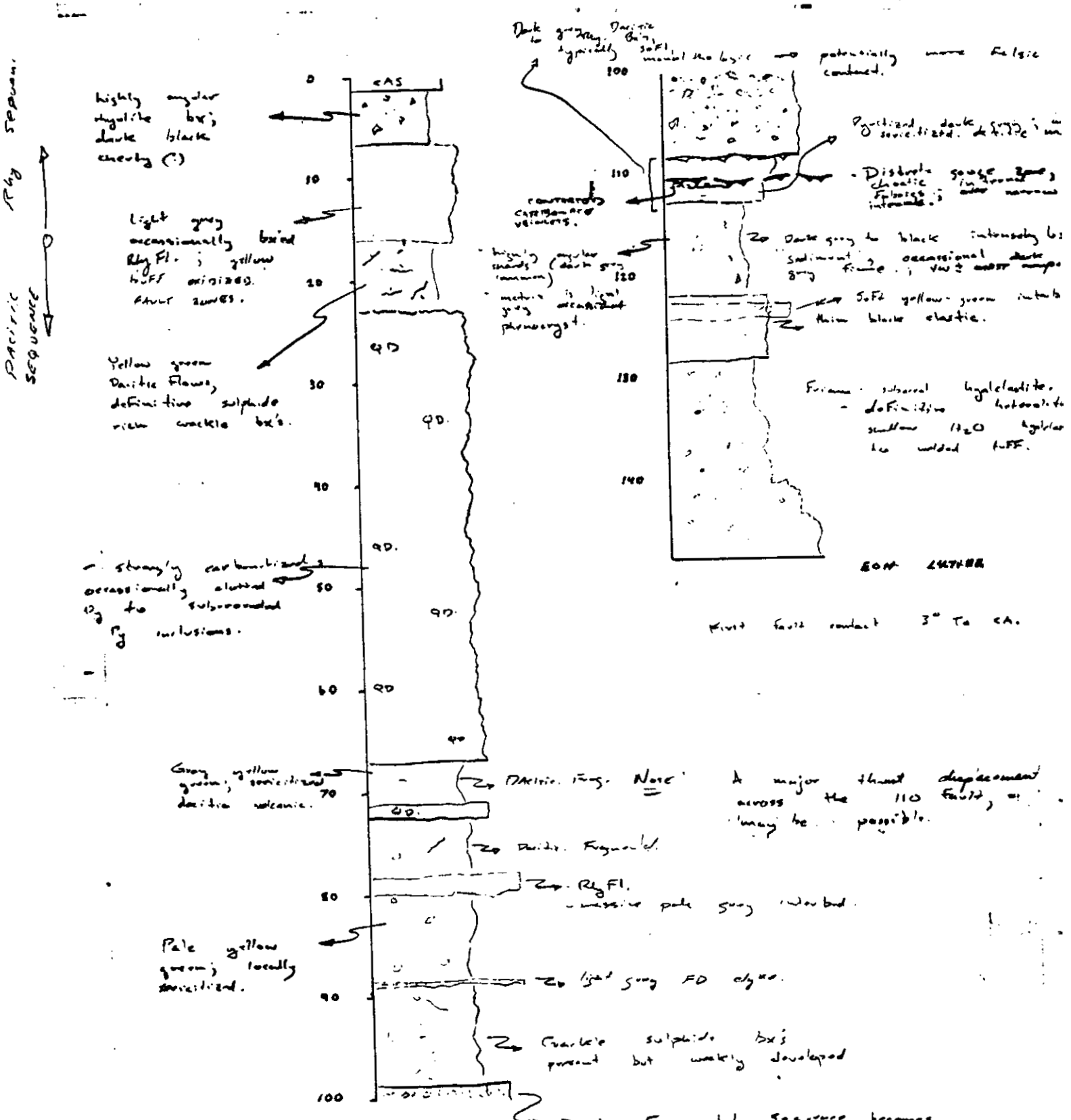
Alteration Moderate - strong sericite, pervasive

Mineralization: Absent

133.1 - 143.25

Lithology: Several beds grading upwards: pale green to medium grey
Coarse beds are composed of medium to dark green fragments up to 3 mm in diameter ≈ 95% and 5% of black fragments. They comprise 30% of the rock
70% is composed of aphanitic lith tuff, beige to pale green and well foliated
It grades into an aphanitic tuff with approx 5% of scattered lith grains, dark green < 2 mm
the overall colour of the fine grained tuff is medium grey
133.10 - 135.85 medium grained, medium green (< 3mm) grades upward into fine grained, medium grey << .5 mm
135.85 - 136.50 Pale green - beige, grades from up to 5 mm, to < 2 mm.
136.50 - 137.25 Several 10 cm cycles from beige ≈ 2mm to grey - aphanitic
137.25 - 138.65 Pale beige - pale green up to 4 mm grades to < 0.5 mm within 15 cm and grades to fine medium grey tuff at 138.15 to 137.25
138.65 - 139.90 Coarse beige lapilli tuff up to 1 cm fragment grades to < 0.5 mm and medium greenish grey for top 30 cm
139.90 - 140.65 Rough grading from up to 4 mm down to < 2 mm

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-96 PAGE 13 OF 13
		140.65-141.75 Coarse up to 5 mm, beige tuff grading to medium greyish green <1mm.	
		141.75-143.25 Coarse pale green up to 5 mm grading to Medium grained grey <<1mm.	
		143.25-147.22	
		Lithology: Medium greyish green, massive, fine grained with small dark green particles <0.5mm Both hard and softer sections	
		Structure: Slickenside 145.65 = 15-20° to c.a.	
		145.85 = 0° to c.a.	
		Alteration: Weak pervasive sericite	
		Mineralization: Absent	
		147.22 End of hole	



George Turner (deceased)
Jim Turner
Rick Conte

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-96	12162	1.52	2.00	0.48	-	-	2	-	-	0.5	17	3	12	-	57	36	76	8060	1760
91-96	12163	2.00	4.00	2.00	-	-	1	-	-	0.6	17	2	32	-	15	120	93	8120	950
91-96	12164	4.00	6.00	2.00	-	-	2	-	-	0.4	15	1	43	-	11	33	79	10800	710
91-96	12165	6.00	8.00	2.00	-	-	6	-	-	0.3	10	1	59	-	6	34	145	6140	3960
91-96	12166	8.00	10.00	2.00	-	-	2	-	-	0.3	12	1	31	-	7	30	91	7020	4470
91-96	12167	10.00	12.00	2.00	-	-	1	-	-	0.3	11	2	26	-	6	31	75	7580	550
91-96	12168	12.00	14.00	2.00	-	-	1	-	-	0.3	15	2	33	-	6	27	82	7140	460
91-96	12169	14.00	16.00	2.00	-	-	2	-	-	0.4	16	2	29	-	7	30	74	6640	4830
91-96	12170	16.00	18.00	2.00	-	-	1	-	-	0.5	10	2	32	-	6	27	80	5500	6640
91-96	12171	18.00	20.00	2.00	-	-	1	-	-	0.6	15	2	60	-	5	29	104	7670	10220
91-96	12172	20.00	22.00	2.00	-	-	1	-	-	0.9	13	2	45	-	5	26	90	8390	21870
91-96	12173	22.00	24.00	2.00	-	-	2	-	-	0.7	34	1	59	-	23	24	86	30640	58840
91-96	12174	24.00	26.00	2.00	-	-	1	-	-	1.1	27	1	52	-	35	16	71	42780	68620
91-96	12175	26.00	28.00	2.00	-	-	2	-	-	1.3	17	1	51	-	27	16	51	46510	61260
91-96	12176	28.00	30.00	2.00	-	-	1	-	-	1.0	1	1	41	-	42	6	55	78210	58610
91-96	12177	30.00	32.00	2.00	-	-	1	-	-	2.3	1	1	30	-	42	6	68	63170	58660
91-96	12178	32.00	34.00	2.00	-	-	1	-	-	2.4	1	1	34	-	46	6	82	64990	56840
91-96	12179	34.00	36.00	2.00	-	-	1	-	-	2.1	2	1	39	-	44	6	70	62300	63300
91-96	12180	36.00	38.00	2.00	-	-	1	-	-	2.7	1	1	35	-	42	6	70	57030	61770
91-96	12181	38.00	40.00	2.00	-	-	2	-	-	2.3	3	1	45	-	46	6	73	60410	63500
91-96	12182	40.00	42.00	2.00	-	-	2	-	-	2.4	3	1	34	-	45	9	126	51680	63320
91-96	12183	42.00	44.00	2.00	-	-	1	-	-	2.1	3	1	30	-	43	6	103	54480	58430
91-96	12184	44.00	46.00	2.00	-	-	2	-	-	2.0	1	1	18	-	45	6	86	56210	56610
91-96	12185	46.00	48.00	2.00	-	-	1	-	-	2.2	1	1	22	-	41	7	74	57990	59830
91-96	12186	48.00	50.00	2.00	-	-	2	-	-	1.8	1	1	23	-	47	6	75	63790	52210
91-96	12187	50.00	52.00	2.00	-	-	1	-	-	1.8	6	1	29	-	45	6	72	56300	56630
91-96	12188	52.00	54.00	2.00	-	-	1	-	-	2.1	9	1	96	-	51	13	71	63550	61840
91-96	12189	54.00	56.00	2.00	-	-	3	-	-	2.3	1	1	16	-	46	6	81	70880	48210
91-96	12190	56.00	58.00	2.00	-	-	1	-	-	1.9	1	1	43	-	40	6	71	63600	56150
91-96	12191	58.00	60.00	2.00	-	-	1	-	-	1.6	1	1	27	-	47	6	79	74660	56410
91-96	12192	60.00	62.00	2.00	-	-	2	-	-	2.5	1	1	14	-	44	6	82	73600	51920
91-96	12193	62.00	64.00	2.00	-	-	1	-	-	1.9	1	1	22	-	41	5	72	69200	50340
91-96	12194	64.00	66.00	2.00	-	-	2	-	-	2.4	1	1	14	-	43	5	77	76810	42430
91-96	12195	66.00	68.00	2.00	-	-	1	-	-	1.8	6	1	48	-	28	10	65	58960	59070
91-96	12196	68.00	70.00	2.00	-	-	1	-	-	0.7	14	1	84	-	5	26	40	12080	20740
91-96	12197	70.00	72.00	2.00	-	-	1	-	-	0.8	32	1	78	-	19	22	52	32390	42250
91-96	12198	72.00	74.00	2.00	-	-	1	-	-	0.8	21	1	114	-	6	32	108	13780	14320
91-96	12199	74.00	76.00	2.00	-	-	1	-	-	0.5	16	1	109	-	6	28	110	14060	5680
91-96	12200	76.00	78.00	2.00	-	-	2	-	-	0.5	20	1	151	-	6	28	111	15620	3870
91-96	12201	78.00	80.00	2.00	-	-	1	-	-	0.7	22	1	54	-	6	30	107	17640	13850
91-96	12202	80.00	82.00	2.00	-	-	4	-	-	0.7	23	1	94	-	6	34	99	18050	11800
91-96	12203	82.00	84.00	2.00	-	-	2	-	-	0.6	15	1	133	-	5	28	114	15890	7760
91-96	12204	84.00	86.00	2.00	-	-	1	-	-	0.9	14	1	127	-	5	29	109	12810	13690
91-96	12205	86.00	88.00	2.00	-	-	1	-	-	0.7	20	1	86	-	5	27	109	13800	5060
91-96	12206	88.00	90.00	2.00	-	-	1	-	-	0.7	27	2	78	-	19	25	103	21950	16720
91-96	12207	90.00	92.00	2.00	-	-	2	-	-	0.1	8	1	91	-	5	23	98	12060	2290
91-96	12208	92.00	94.00	2.00	-	-	1	-	-	0.1	8	1	42	-	5	30	92	11850	2920
91-96	12209	94.00	96.00	2.00	-	-	2	-	-	0.5	9	1	79	-	5	25	105	13180	12180
91-96	12210	96.00	98.00	2.00	-	-	1	-	-	0.5	14	1	79	-	5	30	96	12960	7730
91-96	12211	98.00	100.00	2.00	-	-	1	-	-	0.5	13	1	98	-	6	26	114	11860	8660
91-96	12212	100.00	102.00	2.00	-	-	3	-	-	0.5	22	1	94	-	6	35	116	9550	3840

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-96	12213	102.00	104.00	2.00	-	-	2	-	-	0.5	17	1	129	-	6	29	122	9730	5010
91-96	12214	104.00	106.00	2.00	-	-	1	-	-	0.6	15	1	110	-	6	31	112	10560	4830
91-96	12215	106.00	108.00	2.00	-	-	1	-	-	0.6	7	1	126	-	6	25	111	13020	3460
91-96	12216	108.00	110.00	2.00	-	-	1	-	-	0.9	8	1	124	-	5	29	93	10050	16980
91-96	12217	110.00	112.00	2.00	-	-	2	-	-	1.0	6	1	138	-	6	27	107	10050	13590
91-96	12218	112.00	114.00	2.00	-	-	3	-	-	0.7	4	1	116	-	6	24	110	11660	12680
91-96	12219	114.00	116.00	2.00	-	-	1	-	-	1.0	16	1	106	-	5	26	106	10520	15190
91-96	12220	116.00	118.00	2.00	-	-	1	-	-	0.7	18	1	82	-	6	27	127	9730	15270
91-96	12221	118.00	120.00	2.00	-	-	2	-	-	0.9	14	2	58	-	5	24	92	10030	23710
91-96	12222	120.00	122.00	2.00	-	-	6	-	-	1.4	24	3	53	-	17	27	91	15160	23380
91-96	12223	122.00	124.00	2.00	-	-	18	-	-	1.3	46	17	97	305	32	37	237	20370	12650
91-96	12224	124.00	126.00	2.00	-	-	7	-	-	1.1	68	34	114	635	61	48	497	34990	9010
91-96	12225	126.00	128.00	2.00	-	-	6	-	-	1.3	52	16	182	360	38	42	182	28460	23590
91-96	12226	128.00	130.00	2.00	-	-	3	-	-	1.0	7	1	205	110	15	19	128	38170	26070
91-96	12227	130.00	132.00	2.00	-	-	2	-	-	0.7	3	1	230	-	11	14	118	47800	26980
91-96	12228	132.00	134.00	2.00	-	-	5	-	-	0.6	1	1	175	-	12	16	130	53080	18820
91-96	12229	134.00	136.00	2.00	-	-	2	-	-	0.2	2	1	261	-	9	21	92	50440	9140
91-96	12230	136.00	138.00	2.00	-	-	4	-	-	0.2	4	1	286	-	14	15	103	55100	10500
91-96	12231	138.00	140.00	2.00	-	-	1	-	-	0.9	3	1	263	-	13	15	147	48810	8560
91-96	12232	140.00	142.00	2.00	-	-	7	-	-	0.2	3	1	235	-	13	13	117	50890	5370
91-96	12233	142.00	144.00	2.00	-	-	2	-	-	0.1	2	1	205	-	22	4	78	60750	5440
91-96	12234	144.00	146.00	2.00	-	-	4	-	-	0.1	1	1	195	-	18	10	81	48900	7140
91-96	12235	146.00	147.22	1.22	-	-	2	-	-	0.3	7	1	200	-	18	10	99	43010	4730

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ77+78
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12142	.7	4380	65	1	30	1.0	2	11450	.1	1	5	9960	3030	1	540	341	4	340	1	10	26	5	16	3	59	1.6	91	3	1	4	102	6	
12143	.7	4420	171	1	25	1.4	1	7700	.1	1	6	5630	3100	1	520	164	3	230	1	20	18	8	9	1	32	1.5	115	3	1	3	90	1	
12144	.7	6030	199	1	30	2.3	2	5720	.1	1	6	5660	4520	1	560	162	1	200	1	10	27	10	8	3	57	1.2	112	4	1	3	69	2	
12145	.6	4350	89	1	29	1.3	1	5750	.1	1	5	7860	3280	1	670	209	5	320	1	10	23	9	8	3	68	1.4	93	3	1	4	104	5	
12146	.5	3890	211	1	22	1.5	1	3570	.1	1	6	8750	2920	1	860	169	1	280	1	10	50	11	5	2	54	.9	115	4	1	2	58	1	
12147	.6	3240	33	1	19	1.1	2	7060	.1	1	6	6810	2300	1	540	234	2	320	1	10	23	6	9	1	53	1.1	85	3	1	4	94	3	
12148	.4	3760	160	1	20	1.7	1	4380	.1	1	6	6770	3080	1	800	150	5	170	1	10	28	10	6	1	37	1.1	116	3	1	3	69	2	
12149	.6	3950	27	1	17	1.8	2	8530	.1	1	7	8420	2050	1	860	305	3	390	1	20	26	3	8	2	75	1.3	88	4	1	5	115	2	
12150	.6	3540	24	1	15	1.5	2	3180	.1	1	6	8070	1870	1	850	166	1	370	1	10	23	2	4	1	69	.9	104	4	1	4	98	1	
12151	.6	6200	15	1	16	1.5	1	6870	.1	1	9	9120	2880	1	1340	261	7	380	1	10	25	1	11	2	79	1.9	103	4	1	6	146	2	
12152	.7	6670	13	1	15	3.3	1	7020	.1	1	6	7200	3600	1	1190	175	1	200	1	10	27	1	5	2	87	1.2	83	4	1	3	83	4	
12153	.6	6120	17	1	25	2.1	2	5040	.1	1	7	9530	2530	3	1510	231	3	460	1	10	26	1	6	2	114	1.5	134	5	1	6	140	2	
12154	.9	8490	15	1	28	3.5	2	8580	.1	1	7	8120	4140	1	1560	297	3	330	2	20	24	2	8	2	118	1.6	138	6	1	5	110	2	
12155	.6	8590	23	1	22	3.4	1	2860	.1	1	5	8080	4620	1	1560	134	3	210	1	20	25	2	4	2	94	1.3	102	6	1	4	100	1	
12156	.6	10520	15	1	22	4.3	3	6440	.1	1	4	7320	5850	6	2080	185	1	70	1	10	24	1	8	2	107	1.3	104	5	1	3	80	2	
12157	.5	10220	9	2	23	4.3	1	10300	.1	1	6	8270	5250	7	2400	290	2	100	1	10	29	1	11	3	84	1.5	125	4	1	4	72	1	
12158	.3	7510	17	1	19	2.6	1	5790	.1	2	12	14830	3680	5	1850	267	6	360	1	10	28	1	10	2	95	1.5	160	3	1	7	164	2	
12159	.4	7160	9	1	18	2.4	1	5260	.1	1	7	10170	3640	4	1800	208	2	270	1	10	26	1	10	3	97	1.2	111	4	1	4	86	1	
12160	.5	6320	19	1	14	1.4	1	12100	.1	5	10	12870	1800	2	2490	427	3	410	6	100	20	3	15	1	74	13.2	81	4	1	6	134	1	
12161	.3	4670	8	1	16	1.1	1	5350	.1	1	8	9340	1680	1	1680	180	2	420	1	20	27	1	7	2	67	2.1	108	3	1	5	119	2	
12162	.5	3930	17	4	12	.5	2	1760	.1	3	57	8060	270	3	1550	124	2	760	3	50	36	3	3	2	75	2.3	76	3	1	4	89	2	
12163	.6	7620	17	1	32	1.9	2	950	.1	2	15	8120	2710	6	1980	103	2	510	3	20	120	2	2	5	111	1.5	93	5	1	3	74	1	
12164	.4	9500	15	1	43	3.2	2	710	.1	2	11	10800	3530	8	2600	138	2	340	1	10	33	1	3	5	112	1.0	79	5	1	4	80	2	
12165	.3	12350	10	3	59	5.3	2	3960	.1	1	6	6140	7150	8	1800	85	2	60	3	10	34	1	3	5	90	.8	145	5	1	3	67	6	
12166	.3	5760	12	1	31	2.2	2	4470	.1	1	7	7020	2800	4	1170	83	1	260	2	20	30	1	3	3	71	.6	91	3	1	3	71	2	
12167	.3	5440	11	1	26	1.9	2	550	.1	1	6	7580	2010	3	1500	59	2	240	2	10	31	2	2	3	60	.7	75	3	1	2	52	1	
12168	.3	4440	15	1	33	1.8	2	460	.1	1	6	7140	1990	2	770	40	2	280	3	10	27	2	2	1	44	.5	82	2	1	3	90	1	
12169	.4	4580	16	1	29	2.8	2	4830	.1	1	7	6640	3150	1	600	44	2	90	2	20	30	2	4	1	36	.8	74	2	1	2	52	2	
12170	.5	4010	10	1	32	2.6	1	6640	.1	1	6	5500	3280	1	570	72	1	70	3	10	27	2	4	2	40	.8	80	2	1	3	66	1	
12171	.6	5660	15	1	60	2.7	2	10220	.1	1	5	7670	3750	1	3660	160	2	40	3	20	29	2	10	2	41	1.4	104	4	1	2	58	1	
12172	.9	8840	13	1	45	3.1	2	21870	.1	1	5	8390	4030	7	7070	307	2	30	1	20	26	2	17	3	49	2.2	90	5	1	2	50	1	
12173	.7	20600	34	1	59	1.4	3	58840	.1	21	23	30640	4140	32	20180	1078	1	310	28	680	24	1	31	1	148	87.9	86	5	1	5	112	2	
12174	1.1	21710	27	1	52	.2	7	68620	.1	32	35	42780	2450	35	24800	1368	1	510	43	930	16	1	38	1	1163	116.0	71	4	2	6	123	1	
12175	1.3	17290	17	1	51	.1	12	61260	.1	25	27	46510	2170	26	18680	1195	1	360	23	620	16	1	27	1	2286	83.6	51	2	2	5	106	2	
12176	1.0	23370	1	1	41	.1	14	58610	.1	33	42	78210	1250	39	28060	1450	1	410	13	970	6	1	25	1	3419	156.2	55	1	3	7	156	1	
12177	2.3	28960	1	1	30	.1	22	58660	.1	37	42	63170	770	37	28050	1336	1	1150	17	1040	6	1	26	1	5383	237.7	68	1	4	9	170	1	
12178	2.4	38290	1	1	34	.1	24	56840	.1	43	46	64990	870	44	33410	1175	1	1770	37	1080	6	1	25	1	5763	262.4	82	1	5	11	207	1	
12179	2.1	25940	2	1	39	.1	20	63300	.1	40	44	62300	1160	36	29890	1162	1	670	34	920	6	1	24	1	4634	186.7	70	1	4	9	177	1	
12180	2.7	25350	1	1	35	.1	23	61770	.1	42	42	57030	1060	38	33920	1154	1	260	31	1020	6	1	19	1	5610	217.3	70	1	4	10	203	1	
12181	2.3	17960	3	1	45	.1	21	63500	.1	41	46	60410	1280	26	22620	1289	1	240	34	1020	6	1	21	1	5121	150.4	73	1	6	8	158	2	
12182	2.4	19070	3	1	34	.1	21	63320	.1	40	45	51680	1000	25	23890	1359	1	240	40	1060	9	1	19	1	4872	171.6	126	2	4	9	172	2	
12183	2.1	22750	3	1	30	.1	19	58430	.1	40	43	54480	820	29	27360	1333	1	440	40	980	6	1	18	1	4355	191.4	103	1	4	9	166	1	
12184	2.0	32480	1	1	18	.1	21	56610	.1	40	45	56210	390	31	28100	1216	1	1390	42	1040	6	1	23	1	4817	262.1	86	2	4	11	197	2	
12185	2.2	33770	1	1	22	.1	22	59830	.1	41	41	57990	440	26	23520	1274	1	2010	44	1050	7	1	28	1	5073	269.0	74	2	5	11	197	1	
12186	1.8	30920	1	1	23	.1	20	52210	.1	45	47	63790	530	33	28090	1286	1	1220	51	970	6	1	18	1	4821	241.6	75	1	4	11	201	2	
12187	1.8	22800	6	1	29	.1	18	56630	.1	43	45	56300	650	25	23340	1260	1	350	73	990	6	1	15	1	4081	213.1	72	3	3	10	198	1	
12188	2.1	16750	9	1	96	.1	20	61840	.1	48	51	63550	1210	15	14540	1383	1	510	61	1130	13	1	18	1	4839	177.0	71	2	4	10	187	1	
12189	2.3	38360	1	1	16	.1	25	48210	.1	48	46	70880	290	29	32790	1547	1	1130	59	990	6	1	18	1	5745	282.3	81	1	5	12	222	3	
12190	1.9	32240	1	1	43	.1	20	56150	.1	46	40	63600	520	26	26320	1383	1	1190	54	990	6	1	20	1	4546	250.4	71	2	4	11	208	1	
12191	1.6	42810	1	1	27	.1	20	56410	.1	43	47	74660	270	30	25620	1462	1	2240	40	980	6	1	27	1	4438	274.3	79	2	5	11	209	1	
12192	2.5	37610	1	9	14	.1	25	51920	.1	47	44	73600	180	33	27940	1519	1	1020	45	1020	6	1	16	1	6031	300.1	82	1	6	12	221	2	
12193	1.9	35120	1	4	22	.1	21	50340	.1	44	41	69200	230	32	30030	1523	1	580	44	1050	5	1	15	1	4984	291.9	72	1	4	12	226	1	
12194	2.4	40550	1	2	14	.1	26	42430	.1	46	43	76810	180	33	33480	1171	1	1120	41	890	5	1	15	1	6265	303.8	77	1	5	12	226	2	
12195	1.8	29510	6	1	48	.1	18	59070	.1	30	28	58960	1360	25	21380	944	1	730	21	650	10	1	18	1	4122	185.2	65	4	4	9	155	1	
12196	.7	6380	14	1	84	1.1	1	20740	.1	3	5	12080	1990	1	2120	307	3	380	3	50	26	1	16	1	163	8.4	40	4	1	5	128	1	
12197	.8	13970	32	1	78	1.6	4	42250	.1	14	19	32390	2300	15	12750	852	6	490	17	360	22	1	37	1	516	87.3	52	7	1	7	159	1	

96-16

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ79+80
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12198	.8	20730	21	1	114	3.9	2	14320	.1	2	6	13780	4640	26	17670	178	6	240	1	20	32	1	22	1	71	5.4	108	8	1	5	126	1	
12199	.5	20970	16	1	109	3.5	2	5680	.1	2	6	14060	4050	29	19350	113	2	180	1	20	28	1	7	1	59	3.8	110	7	1	3	72	1	
12200	.5	23220	20	1	151	5.1	2	3870	.1	2	6	15620	5220	28	19130	111	5	170	1	30	28	1	6	1	47	3.1	111	8	1	3	66	2	
12201	.7	16250	22	1	54	2.2	3	13850	.1	3	6	17640	2090	27	17220	369	3	360	1	40	30	1	12	1	28	4.4	107	7	1	6	170	1	
12202	.7	23580	23	1	94	3.7	2	11800	.1	2	6	18050	3640	38	24400	283	1	170	1	20	34	1	12	1	35	3.4	99	6	1	2	70	4	
12203	.6	26470	15	1	133	4.3	2	7760	.1	2	5	15890	4110	43	25780	138	4	110	1	10	28	1	8	1	35	3.3	114	6	1	2	66	2	
12204	.9	24490	14	1	127	3.9	2	13690	.1	2	5	12810	3540	36	25100	168	1	120	1	10	29	1	13	1	26	3.4	109	7	2	2	64	1	
12205	.7	25040	20	1	86	3.5	2	5060	.1	2	5	13800	3100	37	25260	106	2	120	1	20	27	1	5	1	26	3.5	109	7	2	4	105	1	
12206	.7	20950	27	1	78	3.0	2	16720	.1	14	19	21950	3020	31	19790	264	7	240	19	230	25	2	16	1	39	59.5	103	6	1	5	102	1	
12207	.1	21720	8	1	91	2.6	2	2290	.1	2	5	12060	2330	40	22010	71	2	110	1	10	23	1	2	1	25	3.5	98	4	2	2	64	2	
12208	.1	18810	8	1	42	1.9	2	2920	.1	2	5	11850	1400	35	21370	68	2	100	1	10	30	1	3	1	12	2.4	92	5	1	3	83	1	
12209	.5	23340	9	1	79	2.5	2	12180	.1	2	5	13180	2560	38	23970	138	7	100	1	10	25	1	16	1	19	3.5	105	5	1	3	103	2	
12210	.5	24180	14	1	79	2.5	2	7730	.1	2	5	12960	2750	39	25040	99	3	130	1	10	30	1	14	1	19	2.7	96	6	2	3	87	1	
12211	.5	22340	13	1	98	2.5	2	8660	.1	2	6	11860	2700	33	21990	105	2	140	1	10	26	1	15	1	17	3.1	114	6	1	5	123	1	
12212	.5	20540	22	1	94	2.9	1	3840	.1	2	6	9550	3020	24	18360	58	15	140	1	10	35	1	5	1	22	3.1	116	7	1	6	151	3	
12213	.5	19610	17	1	129	2.8	2	5010	.1	2	6	9730	2980	23	17810	68	2	180	3	10	29	1	6	1	31	3.5	122	7	1	6	151	2	
12214	.6	22430	15	1	110	3.2	2	4830	.1	2	6	10560	3360	28	21540	60	2	140	1	10	31	1	7	1	23	2.8	112	6	1	4	116	1	
12215	.6	28940	7	1	126	3.6	1	3460	.1	2	6	13020	3670	40	30590	63	5	90	1	10	25	1	6	1	24	3.4	111	5	2	2	67	1	
12216	.9	25040	8	1	124	2.9	2	16980	.1	2	5	10050	3340	36	26720	252	1	110	1	30	29	1	35	1	27	3.6	93	6	1	3	109	1	
12217	1.0	28000	6	1	138	3.1	2	13590	.1	2	6	10050	4000	41	29060	158	1	100	1	30	27	1	21	1	26	3.4	107	5	2	2	77	2	
12218	.7	27400	4	1	116	2.6	1	12680	.1	2	6	11660	3130	43	31940	158	6	130	1	10	24	1	20	1	26	3.7	110	4	2	3	98	3	
12219	1.0	21110	16	1	106	2.3	2	15190	.1	2	5	10520	2680	30	26580	179	1	120	1	20	26	1	28	1	21	3.7	106	5	2	4	112	1	
12220	.7	12930	18	1	82	1.7	2	15270	.1	1	6	9730	2460	23	16950	141	8	80	1	20	27	1	33	1	19	3.3	127	5	1	4	100	1	
12221	.9	4660	14	1	58	1.0	2	23710	.1	1	5	10030	2100	1	14470	172	3	50	2	30	24	2	62	1	12	2.9	92	4	1	4	114	2	
12222	1.4	8420	24	8	53	1.1	3	23380	.1	3	17	15160	1790	11	19240	311	6	620	3	40	27	3	49	5	18	5.8	91	3	1	2	52	6	
12223	1.3	15460	46	5	97	1.5	2	12650	.1	6	32	20370	2750	17	15640	214	17	630	32	360	37	17	29	5	34	26.8	237	4	1	4	71	18	305
12224	1.1	15420	68	5	114	1.0	1	9010	2.3	12	61	34990	3350	12	13590	228	36	750	77	710	48	34	16	2	42	58.2	497	3	1	3	40	7	635
12225	1.3	20350	52	5	182	1.9	2	23590	.1	13	38	28460	5830	11	11930	323	11	970	33	1780	42	16	50	3	264	45.9	182	4	1	2	35	6	360
12226	1.0	32140	7	5	205	1.5	2	26070	.1	13	15	38170	5410	28	27870	349	1	700	1	1780	19	1	53	1	82	50.6	128	2	1	1	22	3	110
12227	.7	37200	3	5	230	.7	1	26980	.1	13	11	47800	5100	33	29650	311	1	160	1	3830	14	1	64	1	98	65.8	118	2	1	1	22	2	
12228	.6	33840	1	4	175	.7	2	18820	.1	11	12	53080	4010	25	26530	241	1	110	1	1790	16	1	37	1	76	38.9	130	3	1	1	17	5	
12229	.2	34840	2	6	261	1.0	2	9140	.1	7	9	50440	6070	19	19020	86	1	100	1	570	21	1	16	1	89	30.0	92	4	2	1	20	2	
12230	.2	37320	4	5	286	1.0	2	10500	.1	9	14	55100	6450	20	19480	111	1	100	1	950	15	1	21	1	96	30.4	103	5	2	1	25	4	
12231	.9	34250	3	6	263	.9	2	8560	.1	8	13	48810	5910	20	20400	123	1	70	1	400	15	1	19	1	76	22.5	147	5	1	1	28	1	
12232	.2	33460	3	4	235	1.0	2	5370	.1	8	13	50890	4830	18	19860	74	1	70	1	350	13	1	14	1	66	19.4	117	5	1	1	17	7	
12233	.1	36270	2	4	205	.6	2	5440	.1	11	22	60750	4270	22	21570	80	1	80	1	650	4	1	14	1	82	34.6	78	4	1	1	22	2	
12234	.1	31560	1	4	195	.5	1	7140	.1	9	18	48900	4630	18	18840	115	1	70	1	290	10	1	18	1	60	21.5	81	3	1	1	22	4	
12235	.3	29660	7	3	200	.9	2	4730	.1	13	18	43010	4340	17	18900	97	1	70	2	90	10	1	16	3	44	18.7	99	5	1	1	17	2	
12236	1.0	29340	27	5	87	.3	3	29490	.1	17	65	50620	2050	31	24490	1058	1	480	2	1070	25	6	140	1	42	74.6	111	2	2	2	25	39	
12237	1.6	28430	31	3	91	.4	2	24440	.1	17	57	54390	2320	29	22640	900	1	500	1	1370	32	8	106	1	44	68.4	112	2	2	2	29	62	
12238	1.6	22360	39	3	144	.1	1	9940	.1	17	36	60020	3150	19	13400	502	1	670	1	1340	32	6	21	1	43	39.8	101	2	1	2	39	87	
12239	1.3	23340	28	2	111	.1	2	14440	.1	16	26	52160	2450	22	14940	554	1	560	1	1040	27	6	32	1	40	51.2	78	3	2	2	34	61	
12240	1.0	17770	23	1	402	.1	3	42100	.1	9	38	33810	1460	17	12860	1064	2	80	1	700	17	3	110	1	39	40.0	78	4	1	4	88	20	
12241	1.6	21760	47	1	89	.1	3	16400	.1	16	71	46400	2080	19	12530	611	1	390	5	840	26	8	62	1	27	31.8	114	3	1	2	40	73	265
12242	.5	23050	43	1	97	.1	2	4560	.1	17	55	52380	1910	20	12330	279	1	380	2	990	31	9	9	1	27	36.5	141	3	1	1	26	37	260
12243	.2	28870	19	1	103	.3	1	4310	.1	16	65	55630	1820	25	16480	367	3	70	1	630	16	1	8	1	31	38.3	123	3	1	1	24	17	110
12244	.2	27180	18	1	82	.2	2	9860	.1	14	27	51160	1890	24	15930	404	1	80	1	410	11	1	20	2	50	26.2	96	4	2	1	18	3	
12245	.5	23440	25	1	68	.1	3	48350	.1	19	34	42230	1300	26	20740	1173	1	80	13	470	14	1	85	1	31	65.6	66	4	1	2	32	5	
12246	.4	29570	23	1	120	.1	3	32230	.1	23	40	51630	1810	31	23030	1114	1	120	15	500	17	1	81	1	39	87.0	79	3	2	2	40	2	
12247	.2	32980	33	1	78	.1	2	14630	.1	38	39	64000	1840	30	21840	772	1	110	10	400	12	1	52	1	53	66.6	92	3	2	1	33	10	
12248	.2	25630	23	1	160	.7	2	5600	.1	19	17	46260	3030	19	14610	352	1	80	9	260	15	1	19	2	53	18.4	62	4	1	1	23	7	
12249	.8	23420	32	1	91	.3	2	24710	.1	15	42	42370	2440	20	14150	724	1	460	5	640	20	4	81	2	35	32.3	96	4	1	2	33	27	180
12250	.3	27460	52	1	92	.1	2	13810	.1	15	57	54470	2250	25	17930	632	1	430	1	710	25	6	48	1	34	43.7	121	3	2	1	24	48	215
12251	.7	21480	44	1	123	.1	1	16690	.1	14	60	44070	3090	18	10750	483	1	770	4	760	26	9	68	2	29	34.6	99	4	1	1	26	41	255
12252	.9	20750	50	1	115	.3	2	9700	.1	14	58	46540	3090	17	10300	326	1	540	2	950	33	9	18	1	29	34.3	112	3	1	2	24	57	315
12253	.9	20920	42	1	112	.2	1	17710	.1	14	51	44890	3010	17	10180	448	1	450	1	910	32	9	35	2	30	36.0	89	4	1	1	21	44	275

91-16

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-97
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TESTS

Meterage	Dip	Azimuth
0	-46.5°	116°
61.0	-46°	109°
122.0	-43.5°	109°
173.4	-42°	111°

COLLAR SURVEY:

Northing: 11187.29
Easting: 9818.57
Elevation: 1185.27
Azimuth: 115.5°
Dip: -46°
IP Grid Coordinates: 11200N 9823E

CORE BQTW

Section: 11190N
Date Started: Aug 13/91
Date Finnished: Aug 14/91
Date Logged: Aug 15/91

Total Depth: 173.43
Casing Depth 2.7
Casing Left in: YES
Logged By: M ARCHAMBAULT
Comments:

SAMPLE NUMBERS

12236 To 12319
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	2.7	CASING
2.7	84.0	BLACK TUFFACEOUS MUDSTONE (2.8)
		2.7-11.8 INTERBEDDED MUDSTONE AND SANDSTONE
		Lithology: Sandstone is fine grained medium grey, composed of rock fragments from several sources grey, black & white in a calcareous cement → sandstone with beds from 20 - 50 cm thick, and grade into a mudstone over 10 cm. Mudstone beds are black and massive and up to 1.5 m thick. Contact from mudstone to sandstone is sharp. Most contact relations are broken. One bed is coarser with sub-angular fragments of beige tuff average 3-5 mm in diameter with one fragment of dark grey tuff 1.5 cm in diameter and minor small black fragments in a dark calcareous matrix. Mudstone sections contain up to 5% sand grains (scattered)
		2.7-4.2 Mudstone
4.2	5.0	4.2-5.0 QUARTZ AND LITHIC WACKE (2.6)
		5.0-6.5 Mudstone
		6.5-6.7 Fine grained sandstone
		6.7-9.9 Mudstone

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-97 PAGE 2 OF 12
9.9	10.35	9.9-10.35 QUARTZ AND LITHIC WACKE (2.6)
		10.35-11.15 Sandstone grading to mudstone (upward)
		Structure: Very broken, numerous slickensides and fractures in all orientations - 2-3%
		Alteration: Numerous quartz veinlets <1mm to 2 cm in width, irregular shape and vuggy
		Mineralization: Absent
		11.8-20.2 MUDSTONE
		Lithology: Black, massive, slightly graphitic mudstone
		Structure: Several fractures: 8/m.
		Slickensides sub-parallel to c.a. 14.9-15.3 m, 18.2m, 19.5
		Fault zone 11.9 — 14.9 Faulted contacts
		Alteration: Quartz vein fragments with minor sheared mudstone 11.9-14.9m
		Quartz is very broken white and includes mudstone "beds" and fragments of quartz mudstone
		Mineralization: Absent
20.2	29.0	CALORITIC VOLCANIC WACKE (2.0)
29.0	31.7	HEMATITIC POLYMICTIC VOLCANIC WACKE (2.4)
		Lithology: light greyish green, sphenitic with 20% grains <1mm in diameter, foliated, soft.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
		Diorite; light green, massive, aphanitic, with brecciated fragments of the same composition and sorted, in a slightly more calcareous matrix
		Structure: Contact is irregular and sub-parallel to c.a which explains why the intersection alternates between tuff and diorite with sections from 25 cm up to 2 m Contacts are faulted upper contact conformable to the mudstone, dip 45° to c.a lower contact 0-10° to c.a Faults at 22.0 to 22.7 m 0 to 15° to c.a 25.5 m - 10-15° to c.a in 2 different orientation 40° between them
		Alteration: Tuff: pervasive sericite - weak to moderate Diorite: pervasive calcite ≈ 2-3% + calcite veinlets <1 mm wide <1%
		Mineralization: Pyrite blebs scattered in diorite and in calcite veinlets <0.5%
		31.7 - 117.8 CALCAREOUS MUDSTONE, FOSSILIFEROUS
		Lithology: Black, overall massive, calcareous mudstone with approximately 10% of silty and sandy beds, and thin fossiliferous beds Fossiliferous beds contain mainly shell fragments <1 cm long and matrix supported with less than 20% fossils It shows several turbiditic sequences which are dominated by mudstone The strongest cycles are between 59.7 m to 64.0 m

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-97 PAGE 4 OF 12
		The base of the cycles are as follows: (grading upwards)	
39.0	39.5	39.0-39.5 - QUARTZ AND LITHIC WACKE (2.6)	
		45.3 3 cm sandy siltstone	
		46.2 10 cm sandstone	
		50.0 25 cm silty sandstone → siltstone	
		49.25 5 cm sandstone - faulted	
		50.0 30 cm sandstone → siltstone	
		54.1 10 cm sandstone → siltstone with very fine grained pyrite in siltstone ≈ 1 cm thick	
		57.5 25 cm sandstone → siltstone	
		64.85 10 cm sandstone	
		60.1 10 cm sandstone	
		60.55 20 cm sandstone	
		61.0 20 cm sandstone	
		62.1 15 cm sandstone	
62.1	64.0	62.1-64.0 QUARTZ AND LITHIC WACKE (2.6) Sandstone 2 cm clasts at base, grading to < 0.5 mm towards top	
		67.85 10 cm sandy siltstone - more calcareous than mudstone	
		71.3 15 cm " " "	
		71.5 10 cm " " "	
		72.0 5 cm " " "	
		74.75 5 cm	
		74.9 10 cm	
		84.0 10 cm calcareous sandstone	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-97 PAGE 5 OF 12
84.0	90.0	BLACK CRYSTAL TUFF (1.8) ± BLACK TUFFACEOUS MUDSTONE (2.8)	
90.0	92.0	BLACK CRYSTAL TUFF (1.8)	
92.0	103.0	BLACK TUFFACEOUS MUDSTONE (2.8)	
		90.5	Tuff contains 2 pyritic pebbles, one is 1cm in diameter, the other is 2cm X 0.8cm.
		93.6 10cm	Calcareous sandstone - rounded clasts of sericite altered rock (looks like serpentine) and clasts being replaced by fine grained pyrite.
		95.0 25cm	QUARTZ AND LITHIC WACKE (2.6)
		95.8 15cm	QUARTZ AND LITHIC WACKE (2.6)
		97.1 30cm	QUARTZ AND LITHIC WACKE (2.6) - fine grained ≤ 0.5mm, calcareous
103.0	108.0	BLACK TUFFACEOUS MUDSTONE (2.8) +/- QUARTZ AND LITHIC WACKE (2.6)	
108.0	117.8	BLACK TUFFACEOUS MUDSTONE (2.8)	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-97 PAGE 6 OF 12

The sandstone beds show a sharp bottom contact and a gradational upper contact over a short range. <10 cm. They are composed of several types of clasts, mainly grey and white with up to 5% of dark green and black grains → Arenite grading into greywacke with calcareous cement.
Drill core from 93.5 tuff shows white crystals. — the beds are very calcareous
From 98.0 m the mudstone becomes slightly coarser → siltstone or silty mudstone and becomes strongly calcareous. The arenites are finer grained and the sequence is more homogeneous and does not display the sharp lower contacts of the previous graded beds.
114.0 - 114.5 - Conglomeratic sandstone graded upwards. Base of the bed is composed of lithic fragments generally < 3 mm but up to 1.2 cm. Top of the bed, fragments are generally < 1 mm in diameter but up to 2 mm. Contains 3 mudstone laminae < 5 mm thick

Mineralization: 94.1 — 117.8 Pyrite rich beds and disseminated pyrite blebs in the calcareous siltstone 2-3%

Alteration: Calcite - quartz veinlets < 1 mm up to 5 cm — < 1%

Structure: Slickenside 31.7 - 36.7 - 0 to 25° to c.a.
46.2 0 - 15° to c.a.
49.5 0 - 15° to c.a.
54.4 0° to c.a.
58.3 0° to c.a.
66.9 0° to c.a.
69.5 0° to c.a.
75.0 15° to c.a.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-97 PAGE 7 OF 12
		Structure 75.4 — 25° to c.a	Upper contact = faulted 0-10° to c.a
		82.2 0-10° to c.a	
		91.0 0-15° to c.a	
		Bedding: 45.3m 65° to c.a	
		54.1m 50° to c.a	
		60.55m 70° to c.a	
		89.6 70° to c.a	
		97.9 70° to c.a	
		114.5 50° to c.a	
		Lower contact = gradational	
117.8	131.0	INTERMEDIATE FRAGMENTAL (1.5) ± INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA, -SERICITE, ± KSPAR - SERICITE - PYRITE (1.7a ± b)	
131.0	139.7	INTERMEDIATE FRAGMENTAL - LAPILLI, KSPAR-SERICITE-PYRITE, CRACKLE BRECCIA, PYRITE (1.5L, b B&C, PY)	
		Lithology: Medium - dark, greenish and purplish grey, massive to mottled, aphanitic	
		Contact obliterated by pervasive alteration	
		Structure: Slightly foliated: 50° to c.a	
		Alteration: Pervasive moderate clay (?) alteration gives purple tint, and weak, pervasive to mottled chlorite alteration gives greenish tint	
		Mineralization: Pyrite veinlets in fractures << 1mm wide 2% Disseminated pyrite = 1%	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-97 PAGE 8 OF 12

118.8 - 139.8

Lithology: Original rock is completely obliterated by intense alteration.
Rock is strongly foliated, mottled to banded and vary from pale to medium purplish grey to pale green

Structure: Strong foliation 124.35 55° to c.a. Upper contact = gradational
130.7 30° to c.a. Lower contact = faulted 25° to c.a.
136.0 50° to c.a. Fault 132.1-132.6 0° to c.a.
Fault 123.5 25° to c.a. Fault 122.0 0° to c.a.
127.6 40° to c.a. 137.2 40° to c.a.

Alteration 118.8 - 121.1 - Moderate clay, weak chlorite increase in clay, decrease in chlorite 120.5-121.1
Mineralization Disseminated pyrite throughout, very fine 2% Minor pyrite veinlets in fractures <0.5mm, <0.5%

Alteration: 121.1 - 121.6 Intense clay, minor sericite, trace chlorite
Mineralization: 1% finely dis pyrite in foliation

Alteration: 121.6 - 123.0 Moderate to intense clay alt → patchy texture pale grey and medium purple grey
Weak sericite in places i.e. patches and bands <5%
Mineralization: Pyrite veinlets in foliation → trace in the medium purple grey alt.

Alteration 123.0 - 123.3 Strong sericite, pale green slightly mottled pale grey
124.33 - 124.45
Mineralization: Absent

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-97 PAGE 9 OF 12
		Alteration: 123.3-124.33	Strong to intense silicification. Some original quartz fragments are preserved
		124.48-125.15	- original rock may have been a "rhyolitic" sandstone, quartz clasts are sub rounded ≤2 mm in diameter with ≈5% at 3-4 mm in diameter. Silicified matrix in pale grey. Clasts form ≈30% of rock. Trace sericite
		Mineralization: Absent	
		Alteration: 125.15-129.8	Clay alteration: moderate, moderate sericite in bands. Mainly pale to medium grey, mottled with 5% sericite in bands and patches. Sericite increases around 128 m. 129.45-129.8 Bands of purple grey hue alteration ≈50%
		Mineralization: Variable	Trace to 1% as dissemination and blebs of pyrite in foliation
		Alteration 129.8-131.4:	+ Small dark sericite bands with strong ii 1-2% very fine grained pyrite 2 bands 1 cm each. Strong sericite 50% and strong clay 20% - Introduction of a pale grey siliceous alteration of the same colour as the clay alteration 30%. Also mottled and banded
		Mineralization: 1-2% very finely disseminated pyrite in the foliation and throughout	
		Alteration: 131.4-131.8: Intense medium green sericite?, massive,	
		Mineralization: 5% of extremely fine grained disseminated pyrite	
		Alteration: 131.8-137:	Strong sericite ≈60% and 40% of the grey silica alt. Grey silica occurs in veinlets and pods sub-parallel to the foliation and in places forms a crackle breccia
		Mineralization: Pyrite is very finely disseminated in the sericite altered fraction. Variable amounts 1-3%. One veinlet in the foliation at 135.25 contains an irregular "stringer" of blebs of galena and trace of chalcopyrite // associated with pyrite. At 137.0 - Trace of galena // with pyrite in foliation	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-97 PAGE 10 OF 12
		Alteration: 137-139.7: End of clay and grey silica alteration Strong sericite alteration 75% and 25% numerous white quartz veinlets of different orientations from <1mm to 6 cm wide - barren
		Mineralization: Is located in the sericitic fraction. Disseminated pyrite Some dark mineral in the foliation
139.7	143.95	INTERVOLCANIC ARGILLITE (1.4) FAULT ZONE
		Lithology: Black mudstone, silicified and deformed.
		Structure: Core very broken, 141.0-143.95 Numerous slickensides 0-20° to c.a.
		Alteration: Mudstone is brecciated and re-cemented by white quartz matrix - barren, and of any orientation also contains some <5% sericitic fragments. Fragments are from 0.5 cm to >10 cm and of irregular shape 139.7 - 141.2 m 141.2 - 143.95 m quartz veinlets are orientated parallel to c.a. and faulting
		Mineralization: Disseminated pyrite, fine grained, throughout, ≈2% White quartz veins are barren
143.95	158.19	INTERMEDIATE FRAGMENTAL - LAPILLI, KSPAR - SERICITE - PYRITE, CRACKLE BRECCIA, PYRITE (1.5b, bBxC, Py)
		Lithology: Original rock is completely obliterated by intense alteration. Massive and pale grey

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-97 PAGE 11 OF 12
		Structure: Massive. Faulted contacts 138.2 50° to c.a.	
		Fault - 157.8 - 158.5 0° to c.a	
		Alteration: 143.95 - 145.3 - Moderate sericite, strong silicification, sericite 40-50% Silica 50-60%	
		Silica is pervasive and in white quartz veins - irregular width and shape	
		1mm wide to 5cm pods with minor calcite	
		Mineralization: Pyrite, finely disseminated and in blebs & veinlets ≈ 3% - in sericitic fraction	
		144.8 - 145.1 Silvery black metallic associated with pyrite in pods ≈ 5% of 142.8-143.1	
		White quartz is barren	
		Alteration: 145.3 - 158.19. Progressively, i.e. within 1.5m, becomes intensely K spar-stained-altered, with weak crackle	
		brecciation.	
		White quartz veinlets 1mm to 3cm, various orientation but predominantly	
		60-70° to c.a.	
		Mineralization: Pyrite finely disseminated throughout 1-2%	
		diss. and blebs and veinlets in fractures of the crackle breccia 2-3%	
		146.4-146.8m pod of disseminated, fine grained dark grey to black metallic minerals + galena	
		along fractures	
158.19	173.43	BLACK TUFFACEOUS MUDSTONE (2.8)	
		Lithology: Massive black siltstone, grainy	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-97 PAGE 12 OF 12

Structure: Faulted contact several slickensides, minor gouge over 0.5m 50-65° to c.a.

Fault 154.8 40° to c.a.
155.8 60° to c.a.
167.3 45° to c.a.
168.0 40°+20° to c.a.
168.3 30° to c.a.
168.6 30° to c.a.
171.0 25+30° to c.a.

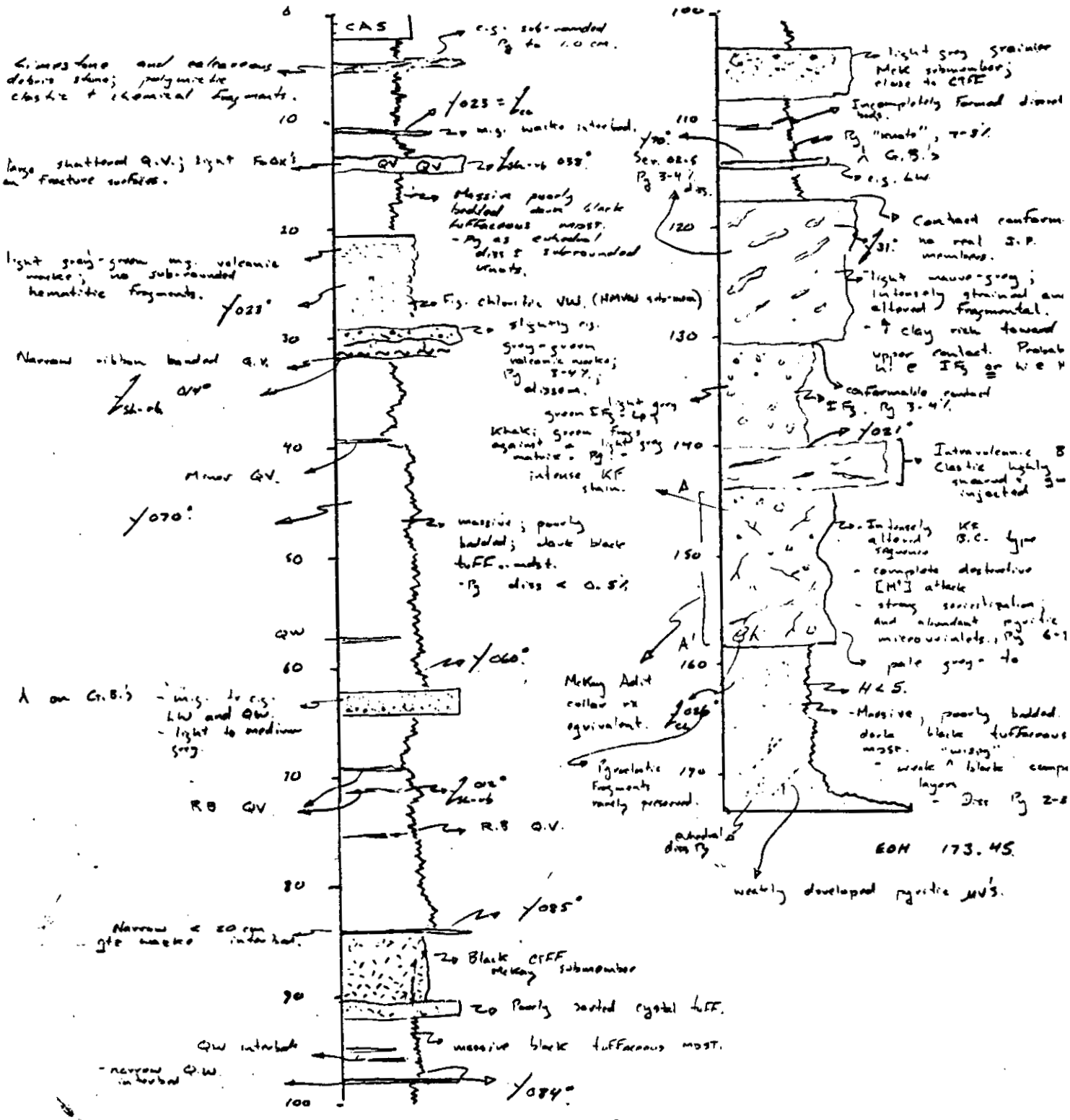
167.4 - 20cm sliver of conglomerate in faulted in ~3 mm fragments

Alteration: Moderate to weak silicification down to ≈ 160 m - gradational
Quartz hairline veinlets 5% down to 162 and 1-2% down to 173.43
Near the faulted contact quartz veinlets are up to 1cm wide (within 2 metres)

Mineralization: Pyrite: fine dissemination 3-5%
blebs and veinlets <1%

173.43 End of hole

DDH 91-97.



No Oil encountered in this DDH, while QV's in A - A' interval post-date sulphidation and sericitic development.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-97	12236	2.70	5.00	2.30	-	-	39	-	-	1.0	27	6	87	-	65	25	111	50620	29490
91-97	12237	5.00	7.00	2.00	-	-	62	-	-	1.6	31	8	91	-	57	32	112	54390	24440
91-97	12238	7.00	9.00	2.00	-	-	87	-	-	1.6	39	6	144	-	36	32	101	60020	9940
91-97	12239	9.00	11.00	2.00	-	-	61	-	-	1.3	28	6	111	-	26	27	78	52160	14440
91-97	12240	11.00	15.00	4.00	-	-	20	-	-	1.0	23	3	402	-	38	17	78	33810	42100
91-97	12241	15.00	17.00	2.00	-	-	73	-	-	1.6	47	8	89	265	71	26	114	46400	16400
91-97	12242	17.00	19.00	2.00	-	-	37	-	-	0.5	43	9	97	260	55	31	141	52380	4560
91-97	12243	19.00	21.00	2.00	-	-	17	-	-	0.2	19	1	103	110	65	16	123	55630	4310
91-97	12244	21.00	23.00	2.00	-	-	3	-	-	0.2	18	1	82	-	27	11	96	51160	9860
91-97	12245	23.00	25.00	2.00	-	-	5	-	-	0.5	25	1	68	-	34	14	66	42230	48350
91-97	12246	25.00	27.00	2.00	-	-	2	-	-	0.4	23	1	120	-	40	17	79	51630	32230
91-97	12247	27.00	29.00	2.00	-	-	10	-	-	0.2	33	1	78	-	39	12	92	64000	14630
91-97	12248	29.00	31.00	2.00	-	-	7	-	-	0.2	23	1	160	-	17	15	62	46260	5600
91-97	12249	31.00	34.00	3.00	-	-	27	-	-	0.8	32	4	91	180	42	20	96	42370	24710
91-97	12250	34.00	36.00	2.00	-	-	48	-	-	0.3	52	6	92	215	57	25	121	54470	13810
91-97	12251	36.00	38.00	2.00	-	-	41	-	-	0.7	44	9	123	255	60	26	99	44070	16690
91-97	12252	38.00	40.00	2.00	-	-	57	-	-	0.9	50	9	115	315	58	33	112	46540	9700
91-97	12253	40.00	42.00	2.00	-	-	44	-	-	0.9	42	9	112	275	51	32	89	44890	17710
91-97	12254	42.00	44.00	2.00	-	-	20	-	-	0.5	34	6	126	270	50	22	104	41520	19210
91-97	12255	44.00	46.00	2.00	-	-	40	-	-	0.7	41	9	116	335	50	26	84	44480	26360
91-97	12256	46.00	48.00	2.00	-	-	33	-	-	0.7	30	9	82	350	50	27	98	38840	22130
91-97	12257	48.00	50.00	2.00	-	-	21	-	-	0.6	28	7	72	255	40	22	72	40850	25410
91-97	12258	50.00	52.00	2.00	-	-	27	-	-	0.5	35	10	86	285	38	26	78	41670	32180
91-97	12259	52.00	54.00	2.00	-	-	3	-	-	0.3	31	11	85	350	43	24	84	42550	24310
91-97	12260	54.00	56.00	2.00	-	-	5	-	-	0.3	32	10	87	285	43	22	82	39350	21900
91-97	12261	56.00	58.00	2.00	-	-	2	-	-	0.5	41	13	113	375	48	29	92	42590	25070
91-97	12262	58.00	60.00	2.00	-	-	11	-	-	0.5	37	11	160	420	57	26	88	39860	25060
91-97	12263	60.00	62.00	2.00	-	-	3	-	-	0.5	31	8	111	275	30	26	62	39650	29920
91-97	12264	62.00	64.00	2.00	-	-	1	-	-	0.7	13	1	120	125	11	16	64	34540	57890
91-97	12265	64.00	66.00	2.00	-	-	4	-	-	0.2	25	8	122	280	43	23	70	40710	23460
91-97	12266	66.00	68.00	2.00	-	-	4	-	-	0.5	16	5	93	230	48	25	78	38090	19360
91-97	12267	68.00	70.00	2.00	-	-	2	-	-	0.7	22	7	100	275	34	22	58	36640	28700
91-97	12268	70.00	72.00	2.00	-	-	5	-	-	0.7	30	9	153	290	27	23	60	38260	25790
91-97	12269	72.00	74.00	2.00	-	-	1	-	-	0.8	17	4	140	205	40	14	86	36310	23490
91-97	12270	74.00	76.00	2.00	-	-	1	-	-	0.9	26	9	155	320	38	23	74	38270	26780
91-97	12271	76.00	78.00	2.00	-	-	18	-	-	1.0	28	10	198	305	38	25	68	38140	46230
91-97	12272	78.00	80.00	2.00	-	-	49	-	-	0.8	41	11	153	345	51	27	67	36610	21130
91-97	12273	80.00	82.00	2.00	-	-	12	-	-	1.1	37	10	246	350	33	19	75	37290	32360
91-97	12274	82.00	84.00	2.00	-	-	28	-	-	1.1	32	5	129	235	37	21	84	40420	21880
91-97	12275	84.00	86.00	2.00	-	-	29	-	-	2.2	31	10	122	275	34	41	77	37370	18630
91-97	12276	86.00	88.00	2.00	-	-	52	-	-	3.6	38	13	99	345	28	54	45	38160	25170
91-97	12277	88.00	90.00	2.00	-	-	2	-	-	1.4	30	4	83	140	17	34	76	32480	25050
91-97	12278	90.00	92.00	2.00	-	-	4	-	-	1.9	35	5	94	295	55	33	518	31560	32490
91-97	12279	92.00	94.00	2.00	-	-	19	-	-	2.5	39	8	87	230	15	42	52	36620	55940
91-97	12280	94.00	96.00	2.00	-	-	9	-	-	1.4	25	3	160	180	12	26	75	35390	21730
91-97	12281	96.00	98.00	2.00	-	-	18	-	-	2.1	29	7	176	315	16	36	52	30800	18570
91-97	12282	98.00	100.00	2.00	-	-	48	-	-	2.7	33	12	83	400	22	50	70	34550	16770
91-97	12283	100.00	102.00	2.00	-	-	32	-	-	2.4	36	10	108	435	19	48	67	41350	25640
91-97	12284	102.00	104.00	2.00	-	-	17	-	-	1.2	40	3	123	250	14	40	75	48360	22940
91-97	12285	104.00	106.00	2.00	-	-	16	-	-	1.2	37	2	326	205	20	33	87	48760	30870
91-97	12286	106.00	108.00	2.00	-	-	3	-	-	1.1	30	2	296	195	10	26	77	34480	14570

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-97	12287	108.00	110.00	2.00	-	-	4	-	-	1.2	30	3	100	165	14	29	46	36510	10230
91-97	12288	110.00	112.00	2.00	-	-	2	-	-	0.6	13	1	123	115	27	43	102	44100	10210
91-97	12289	112.00	114.00	2.00	-	-	2	-	-	0.3	33	1	159	100	29	14	35	46250	4660
91-97	12290	114.00	116.00	2.00	-	-	20	-	-	0.6	35	1	116	110	12	17	27	36370	5900
91-97	12291	116.00	118.00	2.00	-	-	22	-	-	0.3	17	1	165	105	15	16	31	47420	7850
91-97	12292	118.00	120.00	2.00	-	-	2	-	-	0.1	16	1	144	80	7	14	28	54090	1840
91-97	12293	120.00	122.00	2.00	-	-	98	-	-	0.1	32	1	150	515	4	9	5	49540	3560
91-97	12294	122.00	124.00	2.00	-	-	3	-	-	0.7	11	1	105	-	3	5	2	8240	3800
91-97	12295	124.00	126.00	2.00	-	-	1	-	-	0.8	11	1	61	-	3	5	2	8750	5000
91-97	12296	126.00	128.00	2.00	-	-	1	-	-	0.5	14	2	60	-	4	14	5	8410	7900
91-97	12297	128.00	130.00	2.00	-	-	19	-	-	0.1	10	1	54	-	4	5	1	18610	5340
91-97	12298	130.00	132.00	2.00	-	-	79	-	-	0.1	32	1	96	-	60	7	1	36180	4420
91-97	12299	132.00	134.00	2.00	-	-	41	-	-	1.9	62	4	154	-	184	972	1192	26940	13830
91-97	12300	134.00	136.00	2.00	-	-	43	-	-	1.6	92	4	109	-	174	986	307	29550	6840
91-97	12301	136.00	138.00	2.00	-	-	129	-	-	1.2	216	11	135	-	62	420	166	32730	7550
91-97	12302	138.00	140.00	2.00	-	-	285	-	-	5.9	340	135	76	-	517	2936	3221	35860	6510
91-97	12303	140.00	142.00	2.00	-	-	404	-	-	2.7	290	22	144	-	144	701	1377	40970	3850
91-97	12304	142.00	144.00	2.00	-	-	404	-	-	2.2	360	10	92	-	76	533	706	42180	7020
91-97	12305	144.00	146.00	2.00	-	-	138	-	-	2.3	175	11	94	-	44	496	202	28610	12070
91-97	12306	146.00	148.00	2.00	-	-	159	-	-	1.2	206	7	120	-	26	264	40	33290	8640
91-97	12307	148.00	150.00	2.00	-	-	143	-	-	1.1	160	9	144	-	51	44	119	25950	8210
91-97	12308	150.00	152.00	2.00	-	-	179	-	-	1.1	200	7	138	-	26	54	131	30360	8250
91-97	12309	152.00	154.00	2.00	-	-	143	-	-	0.7	215	2	126	-	14	27	60	26420	18530
91-97	12310	154.00	156.00	2.00	-	-	171	-	-	4.2	188	20	107	-	543	322	1879	34430	7090
91-97	12311	156.00	158.00	2.00	-	-	231	-	-	1.9	280	13	139	-	54	102	92	44040	7670
91-97	12312	158.00	160.00	2.00	-	-	340	-	-	3.0	293	12	94	375	34	442	396	34240	7400
91-97	12313	160.00	162.00	2.00	-	-	429	-	-	2.4	261	7	95	205	22	235	171	26960	5450
91-97	12314	162.00	164.00	2.00	-	-	404	-	-	1.8	267	6	74	370	16	84	553	24280	8580
91-97	12315	164.00	166.00	2.00	-	-	432	-	-	2.7	304	9	79	610	24	135	793	32900	13210
91-97	12316	166.00	168.00	2.00	-	-	203	-	-	0.7	237	5	81	55	10	33	18	33010	4840
91-97	12317	168.00	170.00	2.00	-	-	101	-	-	0.6	193	6	88	75	17	70	160	39800	6500
91-97	12318	170.00	172.00	2.00	-	-	53	-	-	1.2	98	8	91	170	19	196	340	26560	8090
91-97	12319	172.00	173.43	1.43	-	-	60	-	-	1.2	111	10	86	70	14	49	41	22960	5160

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ79+80
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12198	.8	20730	21	1	114	3.9	2	14320	.1	2	6	13780	4640	26	17670	178	6	240	1	20	32	1	22	1	71	5.4	108	8	1	5	126	1	
12199	.5	20970	16	1	109	3.5	2	5680	.1	2	6	14060	4050	29	19350	113	2	180	1	20	28	1	7	1	59	3.8	110	7	1	3	72	1	
12200	.5	23220	20	1	151	5.1	2	3870	.1	2	6	15620	5220	28	19130	111	5	170	1	30	28	1	6	1	47	3.1	111	8	1	3	66	2	
12201	.7	16250	22	1	54	2.2	3	13850	.1	3	6	17640	2090	27	17220	369	3	360	1	40	30	1	12	1	28	4.4	107	7	1	6	170	1	
12202	.7	23580	23	1	94	3.7	2	11800	.1	2	6	18050	3640	38	24400	283	1	170	1	20	34	1	12	1	35	3.4	99	6	1	2	70	4	
12203	.6	26470	15	1	133	4.3	2	7760	.1	2	5	15890	4110	43	25780	138	4	110	1	10	28	1	8	1	35	3.3	114	6	1	2	66	2	
12204	.9	24490	14	1	127	3.9	2	13690	.1	2	5	12810	3540	36	25100	168	1	120	1	10	29	1	13	1	26	3.4	109	7	2	2	64	1	
12205	.7	25040	20	1	86	3.5	2	5060	.1	2	5	13800	3100	37	25260	106	2	120	1	20	27	1	5	1	26	3.5	109	7	2	4	105	1	
12206	.7	20950	27	1	78	3.0	2	16720	.1	14	19	21950	3020	31	19790	264	7	240	19	230	25	2	16	1	39	59.5	103	6	1	5	102	1	
12207	.1	21720	8	1	91	2.6	2	2290	.1	2	5	12060	2330	40	22010	71	2	110	1	10	23	1	2	1	25	3.5	98	4	2	2	64	2	
12208	.1	18810	8	1	42	1.9	2	2920	.1	2	5	11850	1400	35	21370	68	2	100	1	10	30	1	3	1	12	2.4	92	5	1	3	83	1	
12209	.5	23340	9	1	79	2.5	2	12180	.1	2	5	13180	2560	38	23970	138	7	100	1	10	25	1	16	1	19	3.5	105	5	1	3	103	2	
12210	.5	24180	14	1	79	2.5	2	7730	.1	2	5	12960	2750	39	25040	99	3	130	1	10	30	1	14	1	19	2.7	96	6	2	3	87	1	
12211	.5	22340	13	1	98	2.5	2	8660	.1	2	6	11860	2700	33	21990	105	2	140	1	10	26	1	15	1	17	3.1	114	6	1	5	123	1	
12212	.5	20540	22	1	94	2.9	1	3840	.1	2	6	9550	3020	24	18360	58	15	140	1	10	35	1	5	1	22	3.1	116	7	1	6	151	3	
12213	.5	19610	17	1	129	2.8	2	5010	.1	2	6	9730	2980	23	17810	68	2	180	3	10	29	1	6	1	31	3.5	122	7	1	6	151	2	
12214	.6	22430	15	1	110	3.2	2	4830	.1	2	6	10560	3360	28	21540	60	2	140	1	10	31	1	7	1	23	2.8	112	6	1	4	116	1	
12215	.6	28940	7	1	126	3.6	1	3460	.1	2	6	13020	3670	40	30590	63	5	90	1	10	25	1	6	1	24	3.4	111	5	2	2	67	1	
12216	.9	25040	8	1	124	2.9	2	16980	.1	2	5	10050	3340	36	26720	252	1	110	1	30	29	1	35	1	27	3.6	93	6	1	3	109	1	
12217	1.0	28000	6	1	138	3.1	2	13590	.1	2	6	10050	4000	41	29060	158	1	100	1	30	27	1	21	1	26	3.4	107	5	2	2	77	2	
12218	.7	27400	4	1	116	2.6	1	12680	.1	2	6	11660	3130	43	31940	158	6	130	1	10	24	1	20	1	26	3.7	110	4	2	3	98	3	
12219	1.0	21110	16	1	106	2.3	2	15190	.1	2	5	10520	2680	30	26580	179	1	120	1	20	26	1	28	1	21	3.7	106	5	2	4	112	1	
12220	.7	12930	18	1	82	1.7	2	15270	.1	1	6	9730	2460	23	16950	141	8	80	1	20	27	1	33	1	19	3.3	127	5	1	4	100	1	
12221	.9	4660	14	1	58	1.0	2	23710	.1	1	5	10030	2100	1	14470	172	3	50	2	30	24	2	62	1	12	2.9	92	4	1	4	114	2	
12222	1.4	8420	24	8	53	1.1	3	23380	.1	3	17	15160	1790	11	19240	311	6	620	3	40	27	3	49	5	18	5.8	91	3	1	2	52	6	
12223	1.3	15460	46	5	97	1.5	2	12650	.1	6	32	20370	2750	17	15640	214	17	630	32	360	37	17	29	5	34	26.8	237	4	1	4	71	18	305
12224	1.1	15420	68	5	114	1.0	1	9010	2.3	12	61	34990	3350	12	13590	228	36	750	77	710	48	34	16	2	42	58.2	497	3	1	3	40	7	635
12225	1.3	20350	52	5	182	1.9	2	23590	.1	13	38	28460	5830	11	11930	323	11	970	33	1780	42	16	50	3	264	45.9	182	4	1	2	35	6	360
12226	1.0	32140	7	5	205	1.5	2	26070	.1	13	15	38170	5410	28	27870	349	1	700	1	1780	19	1	53	1	82	50.6	128	2	1	1	22	3	110
12227	.7	37200	3	5	230	.7	1	26980	.1	13	11	47800	5100	33	29650	311	1	160	1	3830	14	1	64	1	98	65.8	118	2	1	1	22	2	
12228	.6	33840	1	4	175	.7	2	18820	.1	11	12	53080	4010	25	26530	241	1	110	1	1790	16	1	37	1	76	38.9	130	3	1	1	17	5	
12229	.2	34840	2	6	261	1.0	2	9140	.1	7	9	50440	6070	19	19020	86	1	100	1	570	21	1	16	1	89	30.0	92	4	2	1	20	2	
12230	.2	37320	4	5	286	1.0	2	10500	.1	9	14	55100	6450	20	19480	111	1	100	1	950	15	1	21	1	96	30.4	103	5	2	1	25	4	
12231	.9	34250	3	6	263	.9	2	8560	.1	8	13	48810	5910	20	20400	123	1	70	1	400	15	1	19	1	76	22.5	147	5	1	1	28	1	
12232	.2	33460	3	4	235	1.0	2	5370	.1	8	13	50890	4830	18	19860	74	1	70	1	350	13	1	14	1	66	19.4	117	5	1	1	17	7	
12233	.1	36270	2	4	205	.6	2	5440	.1	11	22	60750	4270	22	21570	80	1	80	1	650	4	1	14	1	82	34.6	78	4	1	1	22	2	
12234	.1	31560	1	4	195	.5	1	7140	.1	9	18	48900	4630	18	18840	115	1	70	1	290	10	1	18	1	60	21.5	81	3	1	1	22	4	
12235	.3	29660	7	3	200	.9	2	4730	.1	13	18	43010	4340	17	18900	97	1	70	2	90	10	1	16	3	44	18.7	99	5	1	1	17	2	
12236	1.0	29340	27	5	87	.3	3	29490	.1	17	65	50620	2050	31	24490	1058	1	480	2	1070	25	6	140	1	42	74.6	111	2	2	2	25	39	
12237	1.6	28430	31	3	91	.4	2	24440	.1	17	57	54390	2320	29	22640	900	1	500	1	1370	32	8	106	1	44	68.4	112	2	2	2	29	62	
12238	1.6	22360	39	3	144	.1	1	9940	.1	17	36	60020	3150	19	13400	502	1	670	1	1340	32	6	21	1	43	39.8	101	2	1	2	39	87	
12239	1.3	23340	28	2	111	.1	2	14440	.1	16	26	52160	2450	22	14940	554	1	560	1	1040	27	6	32	1	40	51.2	78	3	2	2	34	61	
12240	1.0	17770	23	1	402	.1	3	42100	.1	9	38	33810	1460	17	12860	1064	2	80	1	700	17	3	110	1	39	40.0	78	4	1	4	88	20	
12241	1.6	21760	47	1	89	.1	3	16400	.1	16	71	46400	2080	19	12530	611	1	390	5	840	26	8	62	1	27	31.8	114	3	1	2	40	73	265
12242	.5	23050	43	1	97	.1	2	4560	.1	17	55	52380	1910	20	12330	279	1	380	2	990	31	9	9	1	27	36.5	141	3	1	1	26	37	260
12243	.2	28870	19	1	103	.3	1	4310	.1	16	65	55630	1820	25	16480	367	3	70	1	630	16	1	8	1	31	38.3	123	3	1	1	24	17	110
12244	.2	27180	18	1	82	.2	2	9860	.1	14	27	51160	1890	24	15930	404	1	80	1	410	11	1	20	2	50	26.2	96	4	2	1	18	3	
12245	.5	23440	25	1	68	.1	3	48350	.1	19	34	42230	1300	26	20740	1173	1	80	13	470	14	1	85	1	31	65.6	66	4	1	2	32	5	
12246	.4	29570	23	1	120	.1	3	32230	.1	23	40	51630	1810	31	23030	1114	1	120	15	500	17	1	81	1	39	87.0	79	3	2	2	40	2	
12247	.2	32980	33	1	78	.1	2	14630	.1	38	39	64000	1840	30	21840	772	1	110	10	400	12	1	52	1	53	66.6	92	3	2	1	33	10	
12248	.2	25630	23	1	160	.7	2	5600	.1	19	17	46260	3030	19	14610	352	1	80	9	260	15	1	19	2	53	18.4	62	4	1	1	23	7	
12249	.8	23420	32	1	91	.3	2	24710	.1	15	42	42370	2440	20	14150	724	1	460	5	640	20	4	81	2	35	32.3	96	4	1	2	33	27	180
12250	.3	27460	52	1	92	.1	2	13810	.1	15	57	54470	2250	25	17930	632	1	430	1	710	25	6	48	1	34	43.7	121	3	2	1	24	48	215
12251	.7	21480	44	1	123	.1	1	16690	.1	14	60	44070	3090	18	10750	483	1	770	4	760	26	9	68	2	29	34.6	99	4	1	1	26	41	255
12252	.9	20750	50	1	115	.3	2	9700	.1	14	58	46540	3090	17	10300	326	1	540	2	950	33	9	18	1	29	34.3	112	3	1	2	24	57	315
12253	.9	20920	42	1	112	.2	1	17710	.1	14	51	44890	3010	17	10180	448	1	450	1	910	32	9	35	2	30	36.0	89	4	1	1	21	44	275

91-97

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ81+82
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12254	.5	21730	34	1	126	.1	2	19210	.1	13	50	41520	3060	17	9940	474	1	530	3	860	22	6	45	1	34	39.1	104	3	1	2	24	20	270
12255	.7	19510	41	1	116	.1	1	26360	.1	14	50	44480	2560	16	9330	626	1	830	1	950	26	9	71	1	31	36.5	84	3	1	1	27	40	335
12256	.7	15860	30	1	82	.1	2	22130	.1	12	50	38840	1960	13	7700	478	1	560	1	910	27	9	61	1	23	28.6	98	3	1	1	19	33	350
12257	.6	17970	28	1	72	.1	1	25410	.1	12	40	40850	1700	15	9150	565	1	490	1	810	22	7	63	1	25	33.0	72	3	1	2	24	21	255
12258	.5	17310	35	1	86	.1	2	32180	.1	12	38	41670	1940	15	8530	620	1	660	2	950	26	10	78	1	26	31.9	78	3	1	1	24	27	285
12259	.3	17520	31	1	85	.1	2	24310	.1	12	43	42550	2020	15	8600	503	1	550	2	940	24	11	64	1	24	30.7	84	3	1	1	21	3	350
12260	.3	17650	32	1	87	.1	2	21900	.1	12	43	39350	2220	14	8450	457	1	670	2	910	22	10	54	1	25	31.9	82	3	1	1	22	5	285
12261	.5	17220	41	1	113	.2	2	25070	.1	12	48	42590	2740	13	7990	561	1	480	1	960	29	13	66	2	29	32.4	92	3	1	2	32	2	375
12262	.5	18970	37	1	160	.2	2	25060	.1	12	57	39860	3540	13	8100	545	1	500	3	790	26	11	64	2	29	32.5	88	3	1	2	35	11	420
12263	.5	18410	31	1	111	.1	3	29920	.1	12	30	39650	2270	15	9380	658	1	1760	1	770	26	8	71	2	31	33.0	62	4	1	1	22	3	275
12264	.7	20090	13	1	120	.1	3	57890	.1	8	11	34540	2060	17	11380	1045	2	480	1	980	16	1	118	1	34	24.2	64	5	1	1	20	1	125
12265	.2	18740	25	1	122	.1	1	23460	.1	11	43	40710	2640	15	8820	547	1	500	1	780	23	8	55	1	31	31.4	70	3	1	1	24	4	280
12266	.5	17240	16	1	93	.3	1	19360	.1	11	48	38090	2110	11	8290	456	1	320	1	770	25	5	48	1	37	29.6	78	3	1	1	21	4	230
12267	.7	15600	22	1	100	.2	2	28700	.1	10	34	36640	2220	8	7400	569	1	270	1	800	22	7	73	1	33	26.5	58	3	3	1	18	2	275
12268	.7	16670	30	1	153	.4	2	25790	.1	11	27	38260	2930	5	7110	544	1	260	1	950	23	9	55	1	36	28.7	60	2	1	1	20	5	290
12269	.8	19970	17	1	140	.6	2	23490	.1	11	40	36310	3270	6	8410	503	1	280	1	1010	14	4	49	2	37	32.1	86	3	3	1	18	1	205
12270	.9	18950	26	1	155	.2	2	26780	.1	11	38	38270	3470	4	7690	618	1	310	3	1150	23	9	53	1	32	34.4	74	3	2	1	28	1	320
12271	1.0	18040	28	1	198	.3	2	46230	.1	10	38	38140	3270	3	7840	824	1	360	1	930	25	10	78	1	32	31.1	68	4	1	1	22	18	305
12272	.8	16910	41	1	153	.5	1	21130	.1	11	51	36610	3240	3	7080	474	1	330	5	880	27	11	46	2	37	30.8	67	3	2	1	25	49	345
12273	1.1	16670	37	1	246	.3	1	32360	.1	11	33	37290	2590	6	7530	725	1	270	3	900	19	10	64	1	31	30.9	75	4	1	1	23	12	350
12274	1.1	20100	32	1	129	.4	2	21880	.1	12	37	40420	3100	9	9000	620	1	300	1	990	21	5	50	1	33	38.0	84	3	1	1	27	28	235
12275	2.2	16020	31	1	122	.3	1	18630	.1	11	34	37370	3010	6	7810	550	1	320	1	950	41	10	44	1	27	25.4	77	3	2	1	19	29	275
12276	3.6	11400	38	1	99	.1	1	25170	.1	9	28	38160	2560	1	5940	795	4	370	1	1010	54	13	54	1	25	16.2	45	2	2	1	23	52	345
12277	1.4	14620	30	1	83	.1	2	25050	.1	9	17	32480	2230	4	7550	769	1	290	1	910	34	4	47	2	25	22.8	76	3	2	1	19	2	140
12278	1.9	12580	35	1	94	.1	1	32490	.1	9	55	31560	2470	2	6900	925	1	290	1	860	33	5	66	1	21	20.4	518	3	2	1	22	4	295
12279	2.5	10090	39	1	87	.1	2	55940	.1	11	15	36620	2270	1	5340	1155	2	310	1	850	42	8	82	1	22	19.4	52	3	2	1	17	19	230
12280	1.4	16460	25	1	160	.1	2	21730	.1	9	12	35390	2280	4	8100	927	1	250	1	680	26	3	43	1	27	28.2	75	3	1	1	17	9	180
12281	2.1	11220	29	1	176	.2	1	18570	.1	8	16	30800	2540	2	5090	694	1	300	1	1480	36	7	43	1	25	16.5	52	3	3	1	20	18	315
12282	2.7	7400	33	1	83	.1	1	16770	.1	10	22	34550	2240	1	3110	464	1	340	1	770	50	12	28	1	16	11.2	70	1	2	1	15	48	400
12283	2.4	11950	36	1	108	.1	1	25640	.1	10	19	41350	2720	1	5470	1035	1	260	1	890	48	10	56	1	25	21.3	67	2	2	1	16	32	435
12284	1.2	17380	40	1	123	.1	2	22940	.1	11	14	48360	3090	6	6870	1150	1	660	1	930	40	3	41	1	38	38.9	75	2	2	1	21	17	250
12285	1.2	18600	37	1	326	.1	2	30870	.1	9	20	48760	2640	5	7960	1936	1	290	1	600	33	2	53	1	38	43.7	87	3	1	1	24	16	205
12286	1.1	13540	30	1	296	.1	1	14570	.1	10	10	34480	2990	1	6390	1113	1	400	1	550	26	2	27	1	31	30.2	77	2	1	1	38	3	195
12287	1.2	12290	30	1	100	.2	1	10230	.1	12	14	36510	2670	1	7350	1235	1	380	1	330	29	3	23	1	23	25.0	46	2	1	1	19	4	165
12288	.6	21740	13	1	123	.2	2	10210	.1	10	27	44100	3180	9	10790	1684	1	370	1	360	43	1	20	1	38	31.7	102	3	1	1	27	2	115
12289	.3	21040	33	1	159	.2	1	4660	.1	11	29	46250	2850	7	10010	1191	1	350	1	180	14	1	10	1	35	44.8	35	3	3	1	17	2	100
12290	.6	15580	35	1	116	.2	1	5900	.1	14	12	36370	3270	2	6720	935	1	320	1	430	17	1	15	1	32	28.5	27	3	4	1	22	20	110
12291	.3	20750	17	1	165	.2	2	7850	.1	16	15	47420	3130	9	9750	1629	1	260	1	240	16	1	21	1	34	37.7	31	3	5	1	10	22	105
12292	.1	21520	16	1	144	.2	2	1840	.1	21	7	54090	3270	8	7200	1024	1	80	1	160	14	1	13	1	40	27.9	28	2	3	1	7	2	80
12293	.1	9610	32	1	150	.1	1	3560	.1	10	4	49540	3250	1	2220	341	1	80	1	730	9	1	19	1	42	16.4	5	1	6	1	13	98	515
12294	.7	4880	11	1	105	.4	1	3800	.1	4	3	8240	2780	1	250	21	1	60	1	990	5	1	18	2	11	4.2	2	1	1	1	28	3	
12295	.8	4540	11	1	61	.2	1	5000	.1	3	3	8750	2410	1	300	35	1	60	1	1380	5	1	19	3	12	5.0	2	1	1	1	47	1	
12296	.5	4150	14	7	60	.4	2	7900	.1	3	4	8410	2190	1	210	11	1	60	2	2890	14	2	35	3	9	4.9	5	1	1	1	24	1	
12297	.1	3490	10	4	54	.2	2	5340	.1	5	4	18610	2120	1	220	4	1	50	1	1460	5	1	20	1	7	3.4	1	1	1	1	38	19	
12298	.1	4700	32	4	96	.4	1	4420	.1	11	60	36180	3180	1	620	78	1	50	1	1080	7	1	16	1	18	5.4	1	1	1	1	17	79	
12299	1.9	4110	62	3	154	.2	1	13830	5.7	7	184	26940	2830	1	2080	757	1	70	1	750	972	4	37	1	15	6.4	1192	1	1	2	51	41	
12300	1.6	4970	92	2	109	.2	1	6840	.1	11	174	29550	3170	1	2000	281	1	100	1	1100	986	4	20	1	20	8.6	307	1	1	1	22	43	
12301	1.2	4400	216	3	135	.1	1	7550	.1	10	62	32730	3120	1	1220	169	2	80	1	1080	420	11	19	1	13	5.8	166	1	1	2	65	129	
12302	5.9	3230	340	3	76	.1	1	6510	16.5	13	517	35860	2480	1	790	105	2	30	1	1140	2936	135	16	1	10	4.1	3221	1	1	1	46	285	
12303	2.7	3390	290	2	144	.1	1	3850	4.5	12	144	40970	2510	1	610	49	4	30	1	390	701	22	11	1	12	5.7	1377	1	1	3	101	404	
12304	2.2	2990	360	3	92	.1	1	7020	.5	14	76	42180	2410	1	310	145	4	30	1	500	533	10	22	1	10	4.8	706	1	1	1	54	404	
12305	2.3	3860	175	3	94	.1	1	12070	.1	9	44	28610	2740	1	380	254	4	70	1	1040	496	11	54	1	16	4.8	202	1	1	3	84	138	
12306	1.2	4380	206	3	120	.1	1	8640	.1	10	26	33290	3130	1	330	101	1	70	1	1200	264	7	33	1	20	6.3	40	1	1	2	62	159	
12307	1.1	4440	160	1	144	.1	2	8210	.1	7	51	25950	3090	1	300	123	2	80	1	1120	44	9	34	1	26	7.0	119	1	1	3	101	143	
12308	1.1	4110	200	2	138	.1	1	8250	.1	8	26	30360	2880	1	280	108	1	70	1	1130	54	7	36	1	21	7.2	131	1	1	2	58	179	
12309	.7	3840	215	1	126	.1	1	18530	.1	7	14	26420	2830	1	280	556	2	50	1	1160	27	2	69	1	20	7.2	60	1	1	3	83	143	

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ83+84
DATE: 91/10/17
* ROCK * (ACT:F31)

91-97

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12310	4.2	3340	188	1	107	.1	1	7090	8.8	10	543	34430	2580	1	230	78	1	50	1	1330	322	20	21	1	21	6.6	1879	1	1	1	46	171	
12311	1.9	3530	280	2	139	.1	1	7670	.1	14	54	44040	2490	1	350	43	1	50	1	1520	102	13	27	1	15	5.8	92	1	1	1	32	231	
12312	3.0	3890	293	2	94	.1	2	7400	.1	13	34	34240	2610	1	420	54	8	70	4	1010	442	12	22	1	11	4.9	396	1	1	1	42	340	375
12313	2.4	3160	261	1	95	.1	1	5450	.1	8	22	26960	2090	1	290	63	4	90	1	650	235	7	17	1	13	5.1	171	1	1	2	54	429	205
12314	1.8	3260	267	1	74	.1	1	8580	.1	7	16	24280	2190	1	280	146	4	80	4	670	84	6	32	1	12	4.9	553	1	1	1	54	404	370
12315	2.7	3370	304	1	79	.1	1	13210	.9	8	24	32900	2280	1	400	283	3	130	1	680	135	9	58	1	13	4.4	793	1	1	2	59	432	610
12316	.7	3700	237	1	81	.1	1	4840	.1	8	10	33010	2410	1	560	73	2	40	1	830	33	5	12	1	12	5.8	18	1	1	1	43	203	55
12317	.6	3960	193	1	88	.1	1	6500	.1	9	17	39800	2550	1	2110	273	1	60	1	880	70	6	20	1	12	8.1	160	1	1	1	46	101	75
12318	1.2	4070	98	1	91	.2	1	8090	.1	10	19	26560	2610	1	2220	286	1	80	6	950	196	8	25	1	12	7.8	340	1	1	1	28	53	170
12319	1.2	3920	111	1	86	.2	1	5160	.1	10	14	22960	2400	1	730	107	2	90	6	950	49	10	13	1	14	7.3	41	1	1	1	41	60	70
12320	2.5	13700	58	8	132	.3	2	19230	15.8	13	119	48760	2880	15	8530	796	15	610	43	1380	21	16	48	1	54	101.1	1000	2	1	3	48	2	1200
12321	3.5	10170	70	7	162	.3	2	13950	22.9	11	126	43110	3480	27	6940	467	22	1040	55	1720	30	16	55	1	34	75.4	1234	1	2	4	72	4	1130
12322	3.7	14290	59	7	181	.5	2	15800	17.1	13	101	47760	4870	11	7030	446	19	1270	44	4250	23	8	63	1	49	122.4	903	2	2	3	49	10	1425
12323	2.8	16580	58	6	186	.3	2	11660	22.0	13	99	51890	4570	17	9150	623	15	880	45	2040	20	9	29	1	50	139.2	1133	2	2	4	53	6	1855
12324	.8	14440	32	3	122	.5	3	14030	.1	11	61	44760	3170	14	9450	972	3	890	16	980	28	7	38	1	41	70.8	283	5	1	2	35	1	715
12325	.9	16730	33	6	171	.6	3	13540	1.2	12	69	46500	4290	15	9810	993	4	830	21	1100	27	8	39	1	52	85.2	429	5	2	3	47	2	920
12326	1.2	18400	37	3	169	.6	4	11010	3.1	12	72	43390	3650	15	9470	773	4	640	19	870	30	10	21	1	55	92.2	447	5	2	3	39	1	845
12327	.7	20660	35	4	200	.3	3	11160	.1	13	68	46060	4240	16	10030	756	2	850	16	1320	26	10	24	1	67	90.6	159	6	2	3	47	5	795
12328	2.8	16030	50	3	143	.4	2	13900	29.2	12	95	45010	3240	14	8390	840	14	720	35	1310	25	20	25	1	56	133.0	1379	5	1	4	48	4	1320
12329	1.6	20900	45	4	191	.3	3	10610	9.2	15	106	52770	4210	18	10890	800	9	1340	29	980	31	20	22	1	69	148.3	704	5	1	4	65	2	1380
12330	1.3	16200	45	3	182	.7	2	10500	.1	14	85	51470	4090	13	9160	664	3	970	25	1660	34	20	30	1	48	108.5	261	5	1	3	40	6	1340
12331	2.6	12950	50	3	117	.6	3	37380	.1	11	62	54940	3720	11	7310	760	2	610	8	3290	28	29	79	1	41	85.1	151	4	1	3	43	2	1900
12332	2.2	17170	52	5	177	1.1	3	31160	.1	12	70	50700	6240	10	7580	618	15	800	42	5930	33	42	85	1	59	103.1	340	5	1	3	38	1	1860
12333	1.3	11210	61	3	123	1.7	3	13920	8.3	15	92	41420	4300	6	5520	473	53	650	102	1660	33	64	29	1	38	80.0	919	4	1	2	21	1	2145
12334	.9	6460	82	2	82	1.0	3	13160	6.0	9	62	43860	3220	2	1880	273	62	660	79	1180	41	53	28	1	33	50.0	657	2	1	5	122	1	1680
12335	.8	2590	86	1	39	.7	2	27050	.3	6	29	37670	1530	1	2610	319	58	540	30	360	34	25	77	1	20	14.0	242	2	1	3	59	2	930
12336	.7	4290	179	1	57	2.2	3	22720	.1	5	16	34270	2570	1	3760	338	33	500	13	100	35	17	64	1	21	6.7	206	3	1	5	107	1	810
12337	1.5	5010	109	1	64	2.3	3	25840	.1	5	30	25940	2810	2	3980	456	32	640	39	390	48	26	70	1	23	18.0	343	4	1	3	59	2	1235
12338	2.4	6810	102	2	68	2.7	4	60270	6.7	8	62	25750	3690	1	2850	812	40	1710	73	890	95	43	106	1	23	36.2	1008	5	1	3	52	12	2225
12339	1.6	6210	56	1	59	1.8	3	32440	1.3	6	32	20510	3340	3	3210	474	24	980	44	450	50	24	81	1	34	25.1	369	6	1	4	73	2	990
12340	.8	4080	36	1	49	1.0	3	27490	.1	11	14	21000	2120	2	6340	585	8	660	16	450	26	7	87	1	33	19.4	152	6	1	5	115	3	
12341	.8	4800	57	1	39	.7	4	51320	.1	29	30	34960	2360	4	3520	691	1	590	42	840	30	11	80	1	39	45.5	213	5	1	4	81	2	
12342	1.2	3930	27	1	28	.6	3	17200	1.3	2	11	10420	960	5	4270	309	3	750	3	50	117	3	31	4	60	3.7	597	6	1	5	119	1	
12343	.9	4800	29	1	30	.6	3	12810	.6	2	7	10520	1110	6	3970	232	3	790	1	40	30	4	22	5	74	3.4	572	6	1	6	120	1	
12344	1.0	4320	27	1	28	.8	3	24130	.1	2	7	10670	1030	5	4570	419	4	930	5	60	29	4	48	2	54	3.7	184	6	1	7	162	3	
12345	.7	6860	51	1	51	2.4	2	9850	.1	4	8	16460	2620	5	4880	203	6	560	4	60	26	5	21	2	41	4.5	172	6	1	6	121	1	
12346	.7	5880	21	1	38	1.9	3	10330	.1	2	6	11660	2030	6	5360	169	2	550	1	40	31	3	23	3	47	2.3	138	6	1	4	80	1	
12347	.6	4370	23	1	21	.7	3	8270	.1	2	5	9750	1060	6	4390	239	5	470	4	30	28	2	15	1	38	2.5	125	6	1	7	148	2	
12348	.6	3250	25	1	17	.6	3	6920	.1	1	6	7640	850	4	2630	132	3	390	1	20	21	4	10	1	35	1.7	105	5	1	5	113	1	
12349	.7	6260	25	1	25	1.8	3	4370	.1	2	6	10230	1450	8	4520	140	3	310	3	20	26	3	7	1	45	2.0	98	7	1	6	129	1	
12350	.3	3250	23	4	24	.5	2	9040	.1	1	9	8890	540	5	4020	220	8	560	1	20	25	1	15	1	35	1.8	102	2	1	7	150	2	
12351	.4	7690	16	1	40	1.9	2	7970	.1	1	7	10890	2030	10	5860	183	8	350	1	10	33	1	17	1	59	2.5	132	4	1	9	177	1	
12352	.4	6390	12	1	35	1.8	2	7910	.1	1	7	8180	2190	6	3680	154	1	300	2	30	20	1	12	1	49	1.7	81	4	1	5	120	2	
12353	.3	5060	13	1	23	.5	2	7320	.1	1	6	9180	1020	7	4440	155	8	560	1	30	13	1	11	1	51	1.8	61	3	1	7	163	2	
12354	.6	5700	17	1	17	.5	2	8120	.1	2	11	10760	760	8	5330	223	8	710	1	20	26	1	13	2	63	2.0	123	4	1	8	175	2	
12355	.6	10210	21	1	56	2.7	2	6750	.1	2	7	10680	4140	9	5190	154	6	310	1	30	24	2	12	5	74	1.6	144	5	1	6	131	1	
12356	.6	7790	10	1	57	2.3	2	9380	.1	1	6	7880	3640	6	4780	168	1	150	1	20	26	1	19	2	56	1.4	135	4	1	5	104	8	
12357	.6	8680	18	1	52	2.8	2	7240	.1	3	7	9710	3730	7	5770	163	9	150	5	50	23	3	17	1	52	4.4	90	5	1	7	152	1	
12358	.6	14540	13	1	80	3.4	3	8010	.1	2	6	11380	4670	20	14140	144	6	110	1	70	33	2	30	2	27	3.0	127	5	1	4	88	2	
12359	.7	9040	14	1	57	2.8	3	13620	.1	2	5	11330	3130	14	14970	191	2	40	1	40	27	1	61	1	24	2.9	103	5	1	3	62	1	
12360	.8	11810	12	1	34	2.7	2	15820	.1	2	6	11610	2840	19	20270	264	6	30	1	30	24	2	56	1	28	3.4	113	5	1	5	113	3	
12361	.8	8770	16	1	35	2.8	2	14150	.1	2	6	9900	2500	13	14250	188	8	50	1	20	29	1	42	1	22	2.7	119	5	1	4	83	2	
12362	.8	15320	14	1	71	7.8	3	7960	.1	2	7	10650	3920	22	14910	110	1	30	1	20	32	1	16	3	36	2.4	121	6	1	3	58	2	
12363	.7	17490	20	1	49	5.0	3	6520	.1	2	6	10340	4760	22	15510	98	10	40	2	30	23	3	10	2	40	2.5	142	7	1	5	109	2	
12364	.7	18800	17	1	47	3.3	3	8180	.1	2	6	11450	4240	26	18910	119	6	50	1	20	28	1	14	1	32	2.9	112	6	1	5	118	1	
12365	.7	19050	17	1	57	3.4	3	3960	.1	2	6	10040	4630	22	16160	69	2	50	1	10	27	2	6	1	34	2.6	114	7	1	4	91	2	

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-98
PAGE 1 OF 5

TESTS

Meterage	Dip	Azimuth
0	-44°	077°
48.77	-43.5°	074°
103.51	-42°	073°

COLLAR SURVEY:

Northing: 11326.86
Easting: 9609.74
Elevation: 1145.85
Azimuth: 75°
Dip: -44°
IP Grid Coordinates: 11332N 9124E

CORE BQTW

Section: 11330 N
Date Started: Aug 15/91
Date Finnished: Aug 16/91
Date Logged: Aug 16-17/91

Total Depth: 105.5
Casing Depth 11.58
Casing Left In: YES
Logged By: M. BECHAMBAULT
Comments:

SAMPLE NUMBERS
12320 To 12365
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	11.58	CASING
11.58	30.0	ARGILLITE (4.4)
30.0	52.9	SULPHIDIC TURBIDITE - PYRITIC SILTITE (4.3)
		46.0 - 52.9 FAULT ZONE
		Lithology: Black, slightly graphitic, with 10% of silty laminations and 10% of pyritic laminations from <1 mm to 2 cm wide
		One bed 18.9-19.5 Contains 40% of unsorted rock fragments, tuffaceous, cherty, and sedimentary – no grading
		Structure: Bedding 14.3 m 45° ≈ 16.3-17: "CAVE" poor recovery
		20.7 m 60° Faults 36.0 m 50° + 60° to c.a.
		26.8 m 55° 37.4 m 40° to c.a. 90° pitch to c.a.
		32.9 m 55° 37.7 m 0° to c.a.
		39.0 m 65° 38.7 m 50° to c.a.
		43.0 m 70° 41.3 m 80° + 30° to c.a.
		43.1 m 65° to c.a.
		43.7 m Several slickensides 25° → 60° to c.a.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-98 PAGE 2 OF 5
		Structure: Fault 45.1 - 30+40° to c.a
		46.0 - 52.9 FAULT ZONE
		Numerous slickensides, small gouge zones, and brecciated zones, but also several short sections 20-40cm of solid core showing quartz crackle breccia
		Brecciation 43.8 - 44.3 : Mudstone fragments cemented by pyrite with minor quartz
		Mineralization: Syngenetic pyrite laminations 10%
		Epigenetic pyrite as matrix to breccia zone = 43.8 - 44.3 20%
		Alteration: Quartz vein 11.58 — >10 cm thick lower contact 35° to c.a
		Quartz vein 37.7 - 38.1 parallel to c.a.
		Quartz vein 38.7 - 39.0 parallel to c.a.
		Overall 36.0 - 43.7 Quartz cracking - numerous orientation 1-2%
		43.7 - 52.9 " " " " 5-10%
52.9	57.5	RHYOLITE FLOW (AUTOBRECCIATED) (3.8)
57.5	90.1	GREEN - BLACK RHYOLITIC FLOW (3.2) +/- GREEN - BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
		Lithology: Pale to medium grey, massive, "cherty look", crackle brecciated

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-98 PAGE 3 OF 5
		Structure: Tectonically crackle brecciated	
		Numerous slickensides 0° to ca from 52.9 to 68.2 - 64.6-65.3 - 0° to ca - rock is crushed. almost gouge & 81.7-90.1	
		0° to ca & 72.0-75.8	
		Alteration: Calcite - minor quartz hairline veinlets in the crackle brecciation	
		Mineralization: Epigenetic pyrite as veinlets in crackle brecciation 2-5% in places 52.9-58.3m	
		(65.3m - massive pyrite "pocket" 6 x 4 cm (dark very fine grained pyrite)	
		61.2m - pyrite blebs in clear gouge	
90.1	92.0	RHYOLITE FLOW (AUTOBRECCIATED) (3.8)	
		Lithology: Medium greyish green, massive, non foliated, aphanitic. One slip plane shows a band of the mineral which looks like serpentinite: greasy feel medium yellowish green	
		Structure: Not foliated but shows parallel slip-planes or fracture	
		90.9 - 40° & 45° in different orientations	
		92.3 - 15° & 45° & sub parallel to c a	
		Alteration: Quartz veinlets ≤2 mm wide, grey & beige. ≈2% in various orientation but predominantly 45° to ca	
		Mineralization: —	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-98 PAGE 4 OF 5
92.0	108.5	RHYODACITIC FRAGMENTAL (3.0)	

Lithology: Medium grey, massive, very siliceous, cracked

Structure: Several faults with gouge: 93.4 - 20° to c.a
93.5 - 93.8 parallel at 45° to c.a.

Faulted contacts upper: 30° to c.a
lower: 80° to c.a
with 15 cm gouge

Alteration: Quartz in cracks brecciation ≈ 2%

Mineralization: —

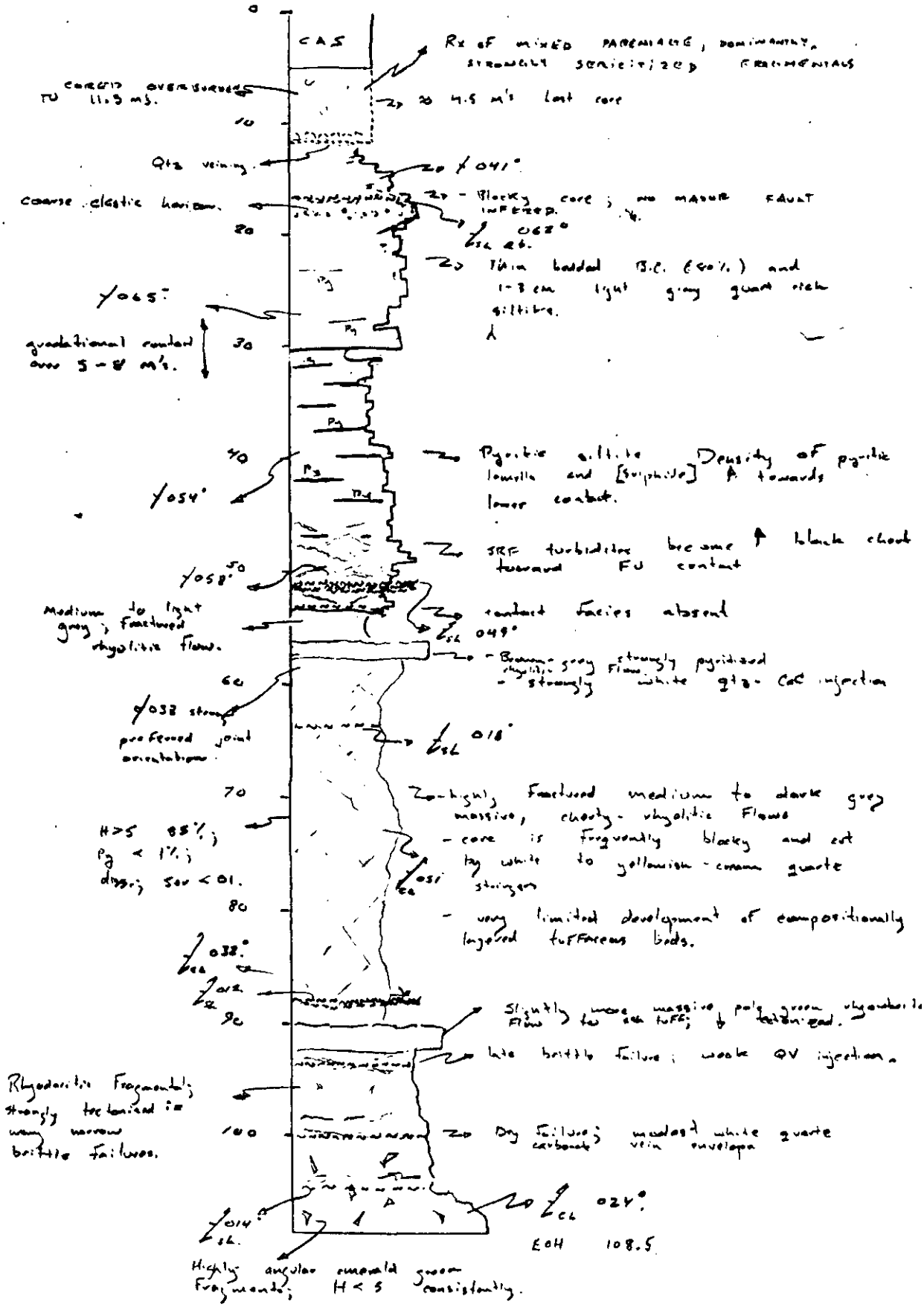
DACITIC LAPILLI TUFF (HETEROLITHIC) 94.0 - 105.4
(MONOLITHIC) 105.4 - 108.5

Lithology: Medium greyish green, composed mainly of medium green lapilli fragments (70%) from 1 mm to 2 cm in diameter, angular. It also contains black shale and chert fragments (2%) and pale green rhyolitic fragments (28%). Matrix is greenish grey, aphanitic and forms ≈ 40% of the rock
94 - 105.4 Heterolithic 105.4 - 105.8 Monolithic: i.e. medium green fragments

Structure: 94.0 - 101.4 - Rock is tectonically crushed and shows a strong foliation → slip planes →

95.4 -	60° to c.a	fault. 102.5 -	40° & 45° to c.a different orientations
96.8 -	60°	103.75 -	30 - 40° to c.a " "
97.3 -	55° & 30°	104.3 -	25° to c.a
100.0 -	35° → 10°	106.0 -	35 & 45° to c.a different orientations
101.4 -	55°	107.2 -	30° & 25° to c.a
		108.5 -	30° & 35° to c.a " "

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-98 PAGE 5 OF 5
		Alteration: Weak sericite, pervasive	
		Mineralization: —	
		108.5 End of hole	



Note: The lack of sericite ± Py associated with the faults in the borehole infers a post-mineral timing for the extensive brittle failures in this borehole.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-98	12320	11.58	14.30	2.72	-	-	2	-	-	2.5	58	16	132	1200	119	21	1000	48760	19230
91-98	12321	14.30	17.68	3.38	-	-	4	-	-	3.5	70	16	162	1130	126	30	1234	43110	13950
91-98	12322	17.68	20.00	2.32	-	-	10	-	-	3.7	59	8	181	1425	101	23	903	47760	15800
91-98	12323	20.00	22.00	2.00	-	-	6	-	-	2.8	58	9	186	1855	99	20	1133	51890	11660
91-98	12324	22.00	24.00	2.00	-	-	1	-	-	0.8	32	7	122	715	61	28	283	44760	14030
91-98	12325	24.00	26.00	2.00	-	-	2	-	-	0.9	33	8	171	920	69	27	429	46500	13540
91-98	12326	26.00	28.00	2.00	-	-	1	-	-	1.2	37	10	169	845	72	30	447	43390	11010
91-98	12327	28.00	30.00	2.00	-	-	5	-	-	0.7	35	10	200	795	68	26	159	46060	11160
91-98	12328	30.00	32.00	2.00	-	-	4	-	-	2.8	50	20	143	1320	95	25	1379	45010	13900
91-98	12329	32.00	34.00	2.00	-	-	2	-	-	1.6	45	20	191	1380	106	31	704	52770	10610
91-98	12330	34.00	36.00	2.00	-	-	6	-	-	1.3	45	20	182	1340	85	34	261	51470	10500
91-98	12331	36.00	38.00	2.00	-	-	2	-	-	2.6	50	29	117	1900	62	28	151	54940	37380
91-98	12332	38.00	40.00	2.00	-	-	1	-	-	2.2	52	42	177	1860	70	33	340	50700	31160
91-98	12333	40.00	42.00	2.00	-	-	1	-	-	1.3	61	64	123	2145	92	33	919	41420	13920
91-98	12334	42.00	44.00	2.00	-	-	1	-	-	0.9	82	53	82	1680	62	41	657	43860	13160
91-98	12335	44.00	46.00	2.00	-	-	2	-	-	0.8	86	25	39	930	29	34	242	37670	27050
91-98	12336	46.00	48.00	2.00	-	-	1	-	-	0.7	179	17	57	810	16	35	206	34270	22720
91-98	12337	48.00	50.00	2.00	-	-	2	-	-	1.5	109	26	64	1235	30	48	343	25940	25840
91-98	12338	50.00	52.00	2.00	-	-	12	-	-	2.4	102	43	68	2225	62	95	1008	25750	60270
91-98	12339	52.00	54.00	2.00	-	-	2	-	-	1.6	56	24	59	990	32	50	369	20510	32440
91-98	12340	54.00	56.00	2.00	-	-	3	-	-	0.8	36	7	49	-	14	26	152	21000	27490
91-98	12341	56.00	58.00	2.00	-	-	2	-	-	0.8	57	11	39	-	30	30	213	34960	51320
91-98	12342	58.00	60.00	2.00	-	-	1	-	-	1.2	27	3	28	-	11	117	597	10420	17200
91-98	12343	60.00	62.00	2.00	-	-	1	-	-	0.9	29	4	30	-	7	30	572	10520	12810
91-98	12344	62.00	64.00	2.00	-	-	3	-	-	1.0	27	4	28	-	7	29	184	10670	24130
91-98	12345	64.00	66.00	2.00	-	-	1	-	-	0.7	51	5	51	-	8	26	172	16460	9850
91-98	12346	66.00	68.00	2.00	-	-	1	-	-	0.7	21	3	38	-	6	31	138	11660	10330
91-98	12347	68.00	70.00	2.00	-	-	2	-	-	0.6	23	2	21	-	5	28	125	9750	8270
91-98	12348	70.00	72.00	2.00	-	-	1	-	-	0.6	25	4	17	-	6	21	105	7640	6920
91-98	12349	72.00	74.00	2.00	-	-	1	-	-	0.7	25	3	25	-	6	26	98	10230	4370
91-98	12350	74.00	76.00	2.00	-	-	2	-	-	0.3	23	1	24	-	9	25	102	8890	9040
91-98	12351	76.00	78.00	2.00	-	-	1	-	-	0.4	16	1	40	-	7	33	132	10890	7970
91-98	12352	78.00	82.00	4.00	-	-	2	-	-	0.4	12	1	35	-	7	20	81	8180	7910
91-98	12353	82.00	84.00	2.00	-	-	2	-	-	0.3	13	1	23	-	6	13	61	9180	7320
91-98	12354	84.00	86.00	2.00	-	-	2	-	-	0.6	17	1	17	-	11	26	123	10760	8120
91-98	12355	86.00	88.00	2.00	-	-	1	-	-	0.6	21	2	56	-	7	24	144	10680	6750
91-98	12356	88.00	90.00	2.00	-	-	8	-	-	0.6	10	1	57	-	6	26	135	7880	9380
91-98	12357	90.00	92.00	2.00	-	-	1	-	-	0.6	18	3	52	-	7	23	90	9710	7240
91-98	12358	92.00	94.00	2.00	-	-	2	-	-	0.6	13	2	80	-	6	33	127	11380	8010
91-98	12359	94.00	96.00	2.00	-	-	1	-	-	0.7	14	1	57	-	5	27	103	11330	13620
91-98	12360	96.00	98.00	2.00	-	-	3	-	-	0.8	12	2	34	-	6	24	113	11610	15820
91-98	12361	98.00	100.00	2.00	-	-	2	-	-	0.8	16	1	35	-	6	29	119	9900	14150
91-98	12362	100.00	102.00	2.00	-	-	2	-	-	0.8	14	1	71	-	7	32	121	10650	7960
91-98	12363	102.00	104.00	2.00	-	-	2	-	-	0.7	20	3	49	-	6	23	142	10340	6520
91-98	12364	104.00	106.00	2.00	-	-	1	-	-	0.7	17	1	47	-	6	28	112	11450	8180
91-98	12365	106.00	108.50	2.50	-	-	2	-	-	0.7	17	2	57	-	6	27	114	10040	3960

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ83+84
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12310	4.2	3340	188	1	107	.1	1	7090	8.8	10	543	34430	2580	1	230	78	1	50	1	1330	322	20	21	1	21	6.6	1879	1	1	1	46	171	
12311	1.9	3530	280	2	139	.1	1	7670	.1	14	54	44040	2490	1	350	43	1	50	1	1520	102	13	27	1	15	5.8	92	1	1	1	32	231	
12312	3.0	3890	293	2	94	.1	2	7400	.1	13	34	34240	2610	1	420	54	8	70	4	1010	442	12	22	1	11	4.9	396	1	1	1	42	340	375
12313	2.4	3160	261	1	95	.1	1	5450	.1	8	22	26960	2090	1	290	63	4	90	1	650	235	7	17	1	13	5.1	171	1	1	2	54	429	205
12314	1.8	3260	267	1	74	.1	1	8580	.1	7	16	24280	2190	1	280	146	4	80	4	670	84	6	32	1	12	4.9	553	1	1	1	54	404	370
12315	2.7	3370	304	1	79	.1	1	13210	.9	8	24	32900	2280	1	400	283	3	130	1	680	135	9	58	1	13	4.4	793	1	1	2	59	432	610
12316	.7	3700	237	1	81	.1	1	4840	.1	8	10	33010	2410	1	560	73	2	40	1	830	33	5	12	1	12	5.8	18	1	1	1	43	203	55
12317	.6	3960	193	1	88	.1	1	6500	.1	9	17	39800	2550	1	2110	273	1	60	1	880	70	6	20	1	12	8.1	160	1	1	1	46	101	75
12318	1.2	4070	98	1	91	.2	1	8090	.1	10	19	26560	2610	1	2220	286	1	80	6	950	196	8	25	1	12	7.8	340	1	1	1	28	53	170
12319	1.2	3920	111	1	86	.2	1	5160	.1	10	14	22960	2400	1	730	107	2	90	6	950	49	10	13	1	14	7.3	41	1	1	1	41	60	70
12320	2.5	13700	58	8	132	.3	2	19230	15.8	13	119	48760	2880	15	8530	796	15	610	43	1380	21	16	48	1	54	101.1	1000	2	1	3	48	2	1200
12321	3.5	10170	70	7	162	.3	2	13950	22.9	11	126	43110	3480	27	6940	467	22	1040	55	1720	30	16	55	1	34	75.4	1234	1	2	4	72	4	1130
12322	3.7	14290	59	7	181	.5	2	15800	17.1	13	101	47760	4870	11	7030	446	19	1270	44	4250	23	8	63	1	49	122.4	903	2	2	3	49	10	1425
12323	2.8	16580	58	6	186	.3	2	11660	22.0	13	99	51890	4570	17	9150	623	15	880	45	2040	20	9	29	1	50	139.2	1133	2	2	4	53	6	1855
12324	.8	14440	32	3	122	.5	3	14030	.1	11	61	44760	3170	14	9450	972	3	890	16	980	28	7	38	1	41	70.8	283	5	1	2	35	1	715
12325	.9	16730	33	6	171	.6	3	13540	1.2	12	69	46500	4290	15	9810	993	4	830	21	1100	27	8	39	1	52	85.2	429	5	2	3	47	2	920
12326	1.2	18400	37	3	169	.6	4	11010	3.1	12	72	43390	3650	15	9470	773	4	640	19	870	30	10	21	1	55	92.2	447	5	2	3	39	1	845
12327	.7	20660	35	4	200	.3	3	11160	.1	13	68	46060	4240	16	10030	756	2	850	16	1320	26	10	24	1	67	90.6	159	6	2	3	47	5	795
12328	2.8	16030	50	3	143	.4	2	13900	29.2	12	95	45010	3240	14	8390	840	14	720	35	1310	25	20	25	1	56	133.0	1379	5	1	4	48	4	1320
12329	1.6	20900	45	4	191	.3	3	10610	9.2	15	106	52770	4210	18	10890	800	9	1340	29	980	31	20	22	1	69	148.3	704	5	1	4	65	2	1380
12330	1.3	16200	45	3	182	.7	2	10500	.1	14	85	51470	4090	13	9160	664	3	970	25	1660	34	20	30	1	48	108.5	261	5	1	3	40	6	1340
12331	2.6	12950	50	3	117	.6	3	37380	.1	11	62	54940	3720	11	7310	760	2	610	8	3290	28	29	79	1	41	85.1	151	4	1	3	43	2	1900
12332	2.2	17170	52	5	177	1.1	3	31160	.1	12	70	50700	6240	10	7580	618	15	800	42	5930	33	42	85	1	59	103.1	340	5	1	3	38	1	1860
12333	1.3	11210	61	3	123	1.7	3	13920	8.3	15	92	41420	4300	6	5520	473	53	650	102	1660	33	64	29	1	38	80.0	919	4	1	2	21	1	2145
12334	.9	6460	82	2	82	1.0	3	13160	6.0	9	62	43860	3220	2	1880	273	62	660	79	1180	41	53	28	1	33	50.0	657	2	1	5	122	1	1680
12335	.8	2590	86	1	39	.7	2	27050	.3	6	29	37670	1530	1	2610	319	58	540	30	360	34	25	77	1	20	14.0	242	2	1	3	59	2	930
12336	.7	4290	179	1	57	2.2	3	22720	.1	5	16	34270	2570	1	3760	338	33	500	13	100	35	17	64	1	21	6.7	206	3	1	5	107	1	810
12337	1.5	5010	109	1	64	2.3	3	25840	.1	5	30	25940	2810	2	3980	456	32	640	39	390	48	26	70	1	23	18.0	343	4	1	3	59	2	1235
12338	2.4	6810	102	2	68	2.7	4	60270	6.7	8	62	25750	3690	1	2850	812	40	1710	73	890	95	43	106	1	23	36.2	1008	5	1	3	52	12	2225
12339	1.6	6210	56	1	59	1.8	3	32440	1.3	6	32	20510	3340	3	3210	474	24	980	44	450	50	24	81	1	34	25.1	369	6	1	4	73	2	990
12340	.8	4080	36	1	49	1.0	3	27490	.1	11	14	21000	2120	2	6340	585	8	660	16	450	26	7	87	1	33	19.4	152	6	1	5	115	3	
12341	.8	4800	57	1	39	.7	4	51320	.1	29	30	34960	2360	4	3520	691	1	590	42	840	30	11	80	1	39	45.5	213	5	1	4	81	2	
12342	1.2	3930	27	1	28	.6	3	17200	1.3	2	11	10420	960	5	4270	309	3	750	3	50	117	3	31	4	60	3.7	597	6	1	5	119	1	
12343	.9	4800	29	1	30	.6	3	12810	.6	2	7	10520	1110	6	3970	232	3	790	1	40	30	4	22	5	74	3.4	572	6	1	6	120	1	
12344	1.0	4320	27	1	28	.8	3	24130	.1	2	7	10670	1030	5	4570	419	4	930	5	60	29	4	48	2	54	3.7	184	6	1	7	162	3	
12345	.7	6860	51	1	51	2.4	2	9850	.1	4	8	16460	2620	5	4880	203	6	560	4	60	26	5	21	2	41	4.5	172	6	1	6	121	1	
12346	.7	5880	21	1	38	1.9	3	10330	.1	2	6	11660	2030	6	5360	169	2	550	1	40	31	3	23	3	47	2.3	138	6	1	4	80	1	
12347	.6	4370	23	1	21	.7	3	8270	.1	2	5	9750	1060	6	4390	239	5	470	4	30	28	2	15	1	38	2.5	125	6	1	7	148	2	
12348	.6	3250	25	1	17	.6	3	6920	.1	1	6	7640	850	4	2630	132	3	390	1	20	21	4	10	1	35	1.7	105	5	1	5	113	1	
12349	.7	6260	25	1	25	1.8	3	4370	.1	2	6	10230	1450	8	4520	140	3	310	3	20	26	3	7	1	45	2.0	98	7	1	6	129	1	
12350	.3	3250	23	4	24	.5	2	9040	.1	1	9	8890	540	5	4020	220	8	560	1	20	25	1	15	1	35	1.8	102	2	1	7	150	2	
12351	.4	7690	16	1	40	1.9	2	7970	.1	1	7	10890	2030	10	5860	183	8	350	1	10	33	1	17	1	59	2.5	132	4	1	9	177	1	
12352	.4	6390	12	1	35	1.8	2	7910	.1	1	7	8180	2190	6	3680	154	1	300	2	30	20	1	12	1	49	1.7	81	4	1	5	120	2	
12353	.3	5060	13	1	23	.5	2	7320	.1	1	6	9180	1020	7	4440	155	8	560	1	30	13	1	11	1	51	1.8	61	3	1	7	163	2	
12354	.6	5700	17	1	17	.5	2	8120	.1	2	11	10760	760	8	5330	223	8	710	1	20	26	1	13	2	63	2.0	123	4	1	8	175	2	
12355	.6	10210	21	1	56	2.7	2	6750	.1	2	7	10680	4140	9	5190	154	6	310	1	30	24	2	12	5	74	1.6	144	5	1	6	131	1	
12356	.6	7790	10	1	57	2.3	2	9380	.1	1	6	7880	3640	6	4780	168	1	150	1	20	26	1	19	2	56	1.4	135	4	1	5	104	8	
12357	.6	8680	18	1	52	2.8	2	7240	.1	3	7	9710	3730	7	5770	163	9	150	5	50	23	3	17	1	52	4.4	90	5	1	7	152	1	
12358	.6	14540	13	1	80	3.4	3	8010	.1	2	6	11380	4670	20	14140	144	6	110	1	70	33	2	30	2	27	3.0	127	5	1	4	88	2	
12359	.7	9040	14	1	57	2.8	3	13620	.1	2	5	11330	3130	14	14970	191	2	40	1	40	27	1	61	1	24	2.9	103	5	1	3	62	1	
12360	.8	11810	12	1	34	2.7	2	15820	.1	2	6	11610	2840	19	20270	264	6	30	1	30	24	2	56	1	28	3.4	113	5	1	5	113	3	
12361	.8	8770	16	1	35	2.8	2	14150	.1	2	6	9900	2500	13	14250	188	8	50	1	20	29	1	42	1	22	2.7	119	5	1	4	83	2	
12362	.8	15320	14	1	71	7.8	3	7960	.1	2	7	10650	3920	22	14910	110	1	30	1	20	32	1	16	3	36	2.4	121	6	1	3	58	2	
12363	.7	17490	20	1	49	5.0	3	6520	.1	2	6	10340	4760	22	15510	98	10	40	2	30	23	3	10	2	40	2.5	142	7	1	5	109	2	
12364	.7	18800	17	1	47	3.3	3	8180	.1	2	6	11450	4240	26	18910	119	6	50	1	20	28	1	14	1	32	2.9	112	6	1	5	118	1	
12365	.7	19050	17	1	57	3.4	3	3960	.1	2	6	10040	4630	22	16160	69	2	50	1	10	27	2	6	1	34	2.6	114	7	1	4	91	2	

91-98

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-99
PAGE 1 OF 9

TESTS

Meterage	Dip	Azimuth
0	-45°	117
61.0	-42	—
120.7	-42	—

COLLAR SURVEY:

Northing: 11246.67
Easting: 9507.80
Elevation: 1099.06
Azimuth: 115.5°
Dip: -45°
IP Grid Coordinates: 11250N 9505E

CORE BQTW

Section: 11250N
Date Started: Aug 16/91
Date Finnished: Aug 17/91
Date Logged: Aug 17/91

Total Depth: 120.7
Casing Depth 2.74
Casing Left In: YES
Logged By: M ARCHAMBAULT
Comments:

SAMPLE NUMBERS
12366 To 12425
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	2.74	CASING
2.74	58.00	ARGILLITE (4.4)
		2.74 - 12.5
		INTERBEDDED MUDSTONE & SILTSTONE
		Lithology: Black mudstone interlaminated with medium grey siltstone. Mudstone beds vary in thickness from 1mm to 8cm but generally 1mm to 1cm. Siltstone is finely laminated from <0.5mm up to 1cm but generally <0.5mm - 3mm. Siltstone is slightly calcareous. Siltstone forms ≈40% and mudstone 60%.
		Structure Bedding plane = 4.57 - 60°
		5.5m - 60° Cross-bedding - Top upward
		6.5m - 40°
		7.7m - 20°
		≈ 9.0m - 0° - Fold closure - faults several parallel slip planes 40° to c.a
		10.2m 25°
		11.5m 60-65

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-99 PAGE 2 OF 9
		Structure: Faults-slickensides	
		4.3 m 43° - parallel to bedding	
		5.5 m 25° - same orientation as bedding but steeper →	
		6.5 m 0-30° ± 40° - parallel to bedding and cross-cutting it →	
		7.9-8.2 m - gouge.	
		12.5-13.6 m - brecciated + gouge	
		Alteration: Calcite on fractures - trace	
		Mineralization: Absent	
58.0	74.9	SULPHIDIC TURBIDITE - PYRITIC SILTITE (4.3)	
		12.5-74.9	
		Lithology: Black mudstone, slightly graphitic, bedded, 1mm to 5 cm and slightly thicker towards the bottom of the hole around 45 m. Beds are 0.5 cm - 20 cm thick. It forms approximately 70% of the sequence	
		Siltstone occurs as laminations and thin beds <1mm up to 3 cm. It shows several sedimentary structures, grading, flames, eroded beds etc. Some laminations are calcareous	
		Pyrite is extremely fine grained, and in many places occurs with or in the siltstone beds.	
		27.0-28.1 - A conglomerate bed approx 40 cm thick is folded and repeated 15 cm of mudstone with siltstone laminations in the center shows the fold closure. Conglomerate is little and unsorted. Fragments are from <1 mm to 8 cm and from different sources, sandstone, mudstone pyrite, chert, tuff ... It is fragment supported, in a black cement.	
		45.53-48.6 - 7 cm tuffaceous bed fine grained with mudstone fragments generally < 0.5 mm up to 3 mm	
		71.5 - 5 cm " " " " " " " " " " " "	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-99 PAGE 3 OF 9
12.5	17.4	Structure: Fault zone, gouge and brecciated fragments	
		Bedding plane: 18.55 m 65° to c.a.	
		20.1 m 70° to c.a.	
		20.9 m fold closure, cleavage 70°	
		22.0 m 70° to c.a.	
		23.2 m 60°	
		24.6 m 70°	
		26.3 m 70°	
		26.9 m 70°	
		27.5 m 0° fold closure, cleavage or fractures 30° to c.a.	
		28.1 m 75°	
		29.2 m 70°	
		32.3 m 75°	
		35.3 m 65°	
		38.4 m 80°	
		41.5 m 75°	
		44.5 m 70°	
		47.6 m 70°	
		50.6 m 80°	
		53.6 m 70°	72 m 85°
		56.7 m 75°	74.9 m lower contact 85° to c.a.
		59.7 m 80°	
		62.8 m 80°	
		66.0 m 85°	
		69.0 m 80°	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-99 PAGE 4 OF 9
		Structure: Numerous slickensides on bedding plane throughout	
		Strongest faults at 31.1-31.3	
		47.9-48.1	
		61.2-61.9 overall narrow gouge zones 1-2 cm thick	
		62.5-62.7	
		Alteration: Minor calcite veinlets in small gouge zones – trace overall.	
		Mineralization: Lignite laminae ≈ 3%, pyrite clasts <.05%	
74.9	79.0	CONTACT FACIES – ARGILLITE – RHYOLITE BRECCIA, – BRECCIA (4.1 Bx)	
		Lithology: Matrix supported, it is composed of fragments from 6mm to 2 cm in diameter but generally between 2 mm and 1 cm. Fragments are sub-angular with ≈ 60% of mudstone and cherty mudstone and 35% of sericite altered tuffs and 5% of other types; grey chert, siltstone...	
		The matrix is black mudstone for the top 10 cm and gradually becomes Tuffaceous (within 10 cm) with abundant fine grained pyrite replacing it and forming a rim around the fragments mainly between 75 – 75.7 m. Tuffaceous matrix is slightly calcareous from 77.9 – 79.0	
		Structure Upper contact is depositional and sharp 80° to c. a	
		Slickensides 79.3 m 45°	
		Alteration: weak sericite	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-99 PAGE 5 OF 9
		Mineralization: 75.0 - 75.9 ≈ 15% pyrite as replacement in matrix - very fine grained, semi-massive	
		75.9 - 79.0 ≈ 5% pyrite as above but in patches	
79.0	86.8	CONTACT FACIES - ARGILLITE - RHYOLITE BRECCIA (4.1)	
		79.0 - 84.7 DACITIC TO RHYOLITIC BRECCIA (GLASSY MATRIX)	
		Lithology: Fragments of dacite - to rhyolite, pale green, can be scratched in places, from ≈90%, in a black aphanitic matrix. Around 82 m the fragments show a dark green to black core and a pale green rim which looks like a reaction rim. From 82.5 - 83, fragments are larger and less defined.	
		Structure: —	
		Alteration: Moderate sericite alteration of the fragments.	
		Mineralization: Disseminated pyrite in the matrix, trace	
		84.7 - 86.8 RHYOLITE BRECCIA	
		Lithology: Grey rhyolite fragments in a black matrix 10 - 15%. Most of the interval is altered by the fault	
		Structure: Strong fault 89.7 - 91.2 - 25 - 35° to c.a., brecciation and minor gouge.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-99 PAGE 6 OF 9
		Alteration: Moderate clay, moderate silica, trace carbonate	
		Mineralization: Trace disseminated pyrite	
86.8	110.7	RHYOLITE FLOW (AUTOBRECCIATED) (3.8) +/- TUFFACEOUS RHYOLITE (3.9)	
		86.8 - 87.2 RHYOLITE FLOW	
		Lithologic: Medium grey, massive with cracking	
		Structure: —	
		Alteration: —	
		Mineralization: Trace disseminated pyrite	
		87.2 - 88.1 RHYOLITE BRECCIA	
		Lithology: Rhyolite fragments, 1mm to 1cm in diameter, sub rounded and in a matrix of the same composition ≈70% fragments & 30% matrix	
		Structure: —	
		Alteration: —	
		Mineralization: —	
		88.1 - 105.5 RHYOLITE BRECCIA	
		Lithology - Rhyolite fragments, pale to medium grey, from 1mm to 10cm in diameter but generally <2cm. Fragments form 90% to 70% of the rock. They are subrounded to sub angular in a	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-99 PAGE 7 OF 9

matrix of the similar composition with a black mineral along fractures which gives it a crackle breccia overprint. The matrix is generally pyritic which also gives it a darker colour than the fragments and slightly tuffaceous towards the bottom of the interval

Structure: 90.1m – slickenside 30° to c.a

92.6 – 93.0 – fracture parallel to c.a with 4mm wide quartz veinlet

Alteration: Weak sericite alteration of some of the fragments

Mineralization: Pyrite replacement of the matrix, patchy from trace to 10%
Overall ≈ 5%

105.5–109.7
HETEROLITHIC RHYOLITIC BRECCIA (1-EPTY)

Lithology: Sub-angular fragment of rhyolite (90%) and of black chert (10%) from <1mm up to 3cm. Matrix supported. Approximately 60% fragment and 40% matrix. Matrix is dark greenish grey to black, tuffaceous and calcareous

Structure: 108.45 – 109.2 Fault zone, rock is broken down slickensides and 20cm gouge
Faulted bottom contact 30° to c.a.

Alteration: Weak to moderate sericite alteration of the fragments
Weak sericite & moderate calcite alteration of the matrix

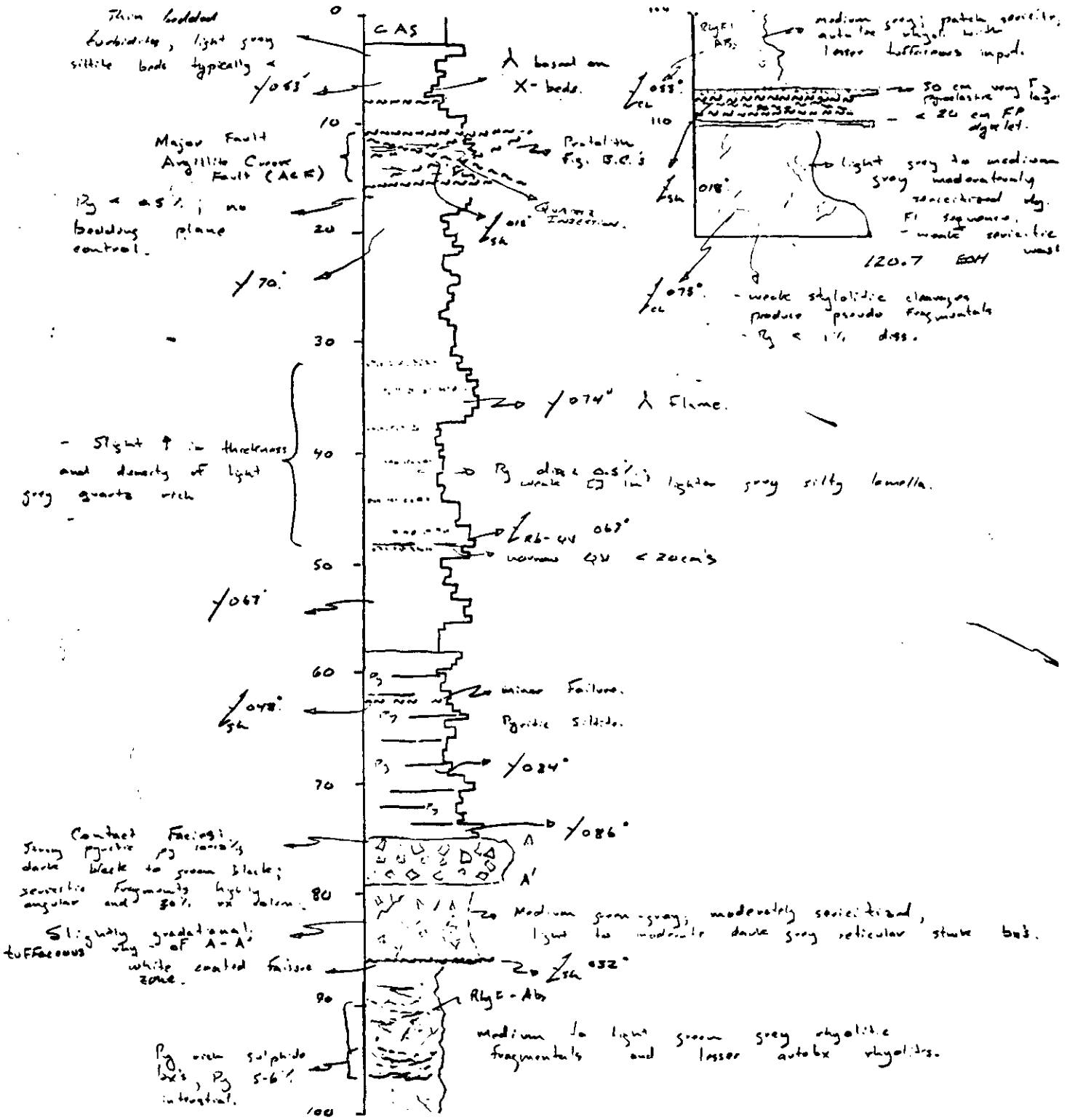
Mineralization: Trace disseminated pyrite in matrix

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-99 PAGE 8 OF 9
		109.7 - 110.7
		RHYOLITE FLOW
		Lithology: medium grey, massive, slightly tuffaceous near contacts ≈ 10 cm. Crackled.
		Structure: Faulted contacts upper 30°
		lower 80°
		Alteration: Moderate sericite 20 cm from contacts
		Mineralization: Trace pyrite on fractures (disseminated)
110.7	111.3	DIORITE DYKE (6.1)
		Lithology: Medium greenish grey, massive, aphanitic to fine grained.
		Structure: Sharp irregular contacts, minor brecciation with calcareous matrix of similar composition
		Alteration: Pervasive calcite moderate
		Mineralization: Very finely disseminated pyrite ≈ 1%, blebs in calcareous matrix, << 0.5%
111.3	120.7	RHYOLITIC FLOW (AUTO BRECCIATED) - SERICITE (3.8a)
		Lithology: Medium grey to dark green, rhyolite flow with a mottled to swirl texture. Minor tuffaceous

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-99 PAGE 9 OF 9
		interbeds around 114.8m. It contains minor black chert fragments which could be glass.	
		Fragments vary in size 1mm up to 15 cm.	
		Overall the interval is more massive than the previous breccias.	
		Structure: One predominant fracture set at 40°-45° to c.a. around 113.5m	
		Alteration: Weak sericite alteration of the minor tuffaceous component and some of the fragments	
		Mineralization: —	
		120.7 End of hole	

Note: No strain asymmetry across the AcF; suggests an extensional processes.

DDH 91-99



From 86.0 to EOH N > 5.0 85% of the time; suggests borehole remains in upper EU flow dominated (ABX) member.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-99	12366	2.74	4.00	1.26	-	-	1	-	-	0.8	19	1	95	400	53	41	489	31660	16570
91-99	12367	4.00	6.00	2.00	-	-	2	-	-	0.2	12	1	113	310	39	23	155	32840	18820
91-99	12368	6.00	8.00	2.00	-	-	1	-	-	0.1	13	2	132	245	43	29	163	31630	15290
91-99	12369	8.00	10.00	2.00	-	-	1	-	-	0.1	26	7	108	245	44	28	184	34350	15120
91-99	12370	10.00	12.00	2.00	-	-	2	-	-	0.4	33	9	86	225	42	28	264	35670	20750
91-99	12371	12.00	14.00	2.00	-	-	2	-	-	0.9	45	14	90	375	53	22	553	32750	20760
91-99	12372	14.00	16.00	2.00	-	-	2	-	-	1.2	42	12	68	445	67	17	1283	27840	27970
91-99	12373	16.00	18.00	2.00	-	-	3	-	-	1.5	42	8	57	635	71	24	1127	33590	34820
91-99	12374	18.00	20.00	2.00	-	-	2	-	-	1.4	38	8	134	500	92	21	740	45730	14770
91-99	12375	20.00	22.00	2.00	-	-	2	-	-	1.7	23	5	76	305	65	16	728	27330	10930
91-99	12376	22.00	24.00	2.00	-	-	4	-	-	1.9	29	4	73	365	57	17	620	31020	17190
91-99	12377	24.00	26.00	2.00	-	-	16	-	-	3.4	61	7	114	655	101	22	1399	41680	9490
91-99	12378	26.00	28.00	2.00	-	-	5	-	-	2.8	44	4	103	365	63	19	483	40700	40160
91-99	12379	28.00	30.00	2.00	-	-	18	-	-	2.3	47	4	165	510	73	19	581	40650	11150
91-99	12380	30.00	32.00	2.00	-	-	19	-	-	2.4	36	4	147	730	86	23	679	46760	14650
91-99	12381	32.00	34.00	2.00	-	-	21	-	-	1.9	31	4	138	620	65	22	708	38990	27570
91-99	12382	34.00	36.00	2.00	-	-	17	-	-	0.8	35	1	134	350	51	26	278	40010	20260
91-99	12383	36.00	38.00	2.00	-	-	15	-	-	0.5	21	1	117	385	53	32	361	37990	11560
91-99	12384	38.00	40.00	2.00	-	-	6	-	-	0.5	18	1	125	335	50	28	222	38250	14740
91-99	12385	40.00	42.00	2.00	-	-	4	-	-	1.1	23	2	137	470	75	27	432	43490	17640
91-99	12386	42.00	44.00	2.00	-	-	7	-	-	0.3	21	1	106	445	65	22	143	42560	15670
91-99	12387	44.00	46.00	2.00	-	-	2	-	-	2.3	33	5	90	540	79	23	854	40620	18290
91-99	12388	46.00	48.00	2.00	-	-	5	-	-	1.6	25	2	85	460	68	16	458	37740	30870
91-99	12389	48.00	50.00	2.00	-	-	2	-	-	1.0	23	2	76	540	81	26	267	42350	14650
91-99	12390	50.00	52.00	2.00	-	-	13	-	-	2.1	33	5	141	635	83	29	881	39660	54910
91-99	12391	52.00	54.00	2.00	-	-	19	-	-	1.1	37	1	102	810	81	29	224	47210	11500
91-99	12392	54.00	56.00	2.00	-	-	22	-	-	1.1	36	1	153	745	75	30	232	47200	12400
91-99	12393	56.00	58.00	2.00	-	-	24	-	-	1.5	35	1	164	710	61	29	180	46620	43010
91-99	12394	58.00	60.00	2.00	-	-	15	-	-	1.5	36	4	154	665	72	22	414	48750	12690
91-99	12395	60.00	62.00	2.00	-	-	23	-	-	2.8	57	9	113	825	93	25	1264	50090	14430
91-99	12396	62.00	64.00	2.00	-	-	21	-	-	2.3	43	3	243	840	81	35	392	48790	30410
91-99	12397	64.00	66.00	2.00	-	-	18	-	-	1.6	36	1	142	940	69	28	155	56060	30530
91-99	12398	66.00	68.00	2.00	-	-	22	-	-	2.1	37	2	121	975	75	44	354	57510	19260
91-99	12399	68.00	70.00	2.00	-	-	16	-	-	2.8	28	3	111	800	56	24	470	38250	30280
91-99	12400	70.00	72.00	2.00	-	-	7	-	-	1.6	27	2	87	-	64	23	333	49100	18980
91-99	12401	72.00	74.00	2.00	-	-	14	-	-	2.8	55	8	100	-	76	23	776	52430	28450
91-99	12402	74.00	76.00	2.00	-	-	6	-	-	0.4	79	2	47	-	20	24	118	57550	71200
91-99	12403	76.00	78.00	2.00	-	-	2	-	-	0.7	30	1	47	-	5	12	122	22640	39400
91-99	12404	78.00	80.00	2.00	-	-	15	-	-	0.7	18	2	68	-	8	19	125	25320	37210
91-99	12405	80.00	82.00	2.00	-	-	3	-	-	0.5	13	1	49	-	5	16	94	10040	11550
91-99	12406	82.00	84.00	2.00	-	-	4	-	-	0.4	16	1	65	-	7	17	84	15980	7150
91-99	12407	84.00	86.00	2.00	-	-	2	-	-	0.7	14	2	59	-	6	30	79	11260	7780
91-99	12408	86.00	88.00	2.00	-	-	1	-	-	0.5	38	3	46	-	12	24	152	13160	5150
91-99	12409	88.00	90.00	2.00	-	-	6	-	-	0.3	39	3	30	-	10	17	135	21990	3260
91-99	12410	90.00	92.00	2.00	-	-	2	-	-	0.3	16	2	25	-	6	19	126	19110	5700
91-99	12411	92.00	94.00	2.00	-	-	3	-	-	0.5	15	1	28	-	5	15	86	9790	8150
91-99	12412	94.00	96.00	2.00	-	-	2	-	-	0.3	35	2	24	-	8	23	77	28900	11320
91-99	12413	96.00	98.00	2.00	-	-	42	-	-	0.5	30	4	21	-	7	23	52	31030	15250
91-99	12414	98.00	100.00	2.00	-	-	2	-	-	0.8	24	3	18	-	5	12	45	18390	29180
91-99	12415	100.00	102.00	2.00	-	-	16	-	-	0.5	27	2	15	-	6	14	46	27030	26500
91-99	12416	102.00	104.00	2.00	-	-	125	-	-	0.3	32	2	13	-	8	17	76	53090	27170

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-99	12417	104.00	106.00	2.00	-	-	8	-	-	0.7	20	1	13	-	4	10	39	9970	21430
91-99	12418	106.00	108.00	2.00	-	-	14	-	-	0.9	17	1	11	-	5	14	56	7780	29000
91-99	12419	108.00	110.00	2.00	-	-	9	-	-	1.0	20	3	54	-	9	20	71	12980	23500
91-99	12420	110.00	112.00	2.00	-	-	4	-	-	1.5	36	4	23	-	30	14	63	29350	72030
91-99	12421	112.00	114.00	2.00	-	-	6	-	-	1.0	24	3	22	-	15	22	98	19580	16400
91-99	12422	114.00	116.00	2.00	-	-	2	-	-	0.7	13	1	16	-	8	25	115	10040	7210
91-99	12423	116.00	118.00	2.00	-	-	3	-	-	0.9	12	1	11	-	11	20	113	11070	14630
91-99	12424	118.00	120.00	2.00	-	-	5	-	-	0.9	12	2	13	-	8	28	108	10220	8440
91-99	12425	120.00	120.70	0.70	-	-	7	-	-	0.8	8	1	14	-	4	25	88	7540	7890

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ85+86
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12366	.8	16020	19	5	95	.5	1	16570	6.9	12	53	31660	3060	19	12540	351	9	1900	79	800	41	1	44	1	47	56.4	489	3	1	3	59	1	400
12367	.2	18590	12	4	113	.6	1	18820	.1	12	39	32840	3410	23	14310	379	2	750	84	750	23	1	54	1	47	55.1	155	3	1	3	73	2	310
12368	.1	19330	13	3	132	.3	2	15290	.1	13	43	31630	3420	25	13800	322	3	1090	94	650	29	2	51	1	41	52.7	163	2	1	3	77	1	245
12369	.1	21520	26	1	108	.4	1	15120	.1	13	44	34350	3280	28	15170	319	2	930	88	610	28	7	56	1	43	56.4	184	3	1	4	87	1	245
12370	.4	20790	33	1	86	.4	1	20750	.1	13	42	35670	2870	28	14690	466	4	1000	80	720	28	9	98	1	35	55.5	264	3	1	4	75	2	225
12371	.9	14610	45	1	90	.5	1	20760	8.0	12	53	32750	2140	20	10630	486	11	750	69	550	22	14	99	1	24	48.7	553	3	1	3	58	2	375
12372	1.2	11380	42	1	68	.3	1	27970	25.6	8	67	27840	1810	15	7980	686	14	1140	55	770	17	12	169	1	22	72.5	1283	3	1	3	62	2	445
12373	1.5	4860	42	1	57	.1	1	34820	22.9	8	71	33590	1550	5	7690	920	22	640	31	630	24	8	127	1	17	72.4	1127	2	1	3	52	3	635
12374	1.4	10880	38	1	134	.1	1	14770	12.5	13	92	45730	1730	15	7120	759	8	820	24	1520	21	8	45	1	24	75.4	740	1	1	2	30	2	500
12375	1.7	9780	23	1	76	.3	1	10930	12.3	7	65	27330	1860	12	5390	340	12	120	32	650	16	5	35	1	19	47.8	728	2	1	2	38	2	305
12376	1.9	12580	29	1	73	.4	1	17190	10.0	8	57	31020	2280	15	7060	679	9	180	26	740	17	4	39	1	28	56.6	620	3	1	3	45	4	365
12377	3.4	15050	61	1	114	.2	1	9490	27.5	11	101	41680	3150	19	8840	378	20	700	37	900	22	7	30	1	41	128.9	1399	3	1	3	49	16	655
12378	2.8	18250	44	1	103	.3	3	40160	8.2	10	63	40700	3190	41	14830	1209	8	210	25	2970	19	4	94	1	39	98.4	483	4	1	3	45	5	365
12379	2.3	14940	47	1	165	.5	1	11150	10.5	10	73	40650	3780	18	9710	388	13	570	32	710	19	4	39	1	37	74.5	581	3	1	2	39	18	510
12380	2.4	16070	36	1	147	.2	1	14650	11.5	13	86	46760	3040	21	9960	803	13	700	34	1060	23	4	32	1	44	101.9	679	3	1	3	47	19	730
12381	1.9	16060	31	1	138	.1	1	27570	12.9	9	65	38990	3030	20	9720	987	10	640	26	2760	22	4	79	1	54	110.9	708	3	1	3	48	21	620
12382	.8	18080	35	1	134	.2	1	20260	.1	12	51	40010	2700	22	10390	1237	4	1140	10	1410	26	1	49	1	62	80.9	278	3	1	2	38	17	350
12383	.5	16910	21	1	117	.2	1	11560	1.2	10	53	37990	2710	20	8910	617	3	2780	12	830	32	1	28	1	64	68.5	361	3	1	3	51	15	385
12384	.5	17580	18	1	125	.2	2	14740	.1	10	50	38250	2970	20	9070	844	3	1250	14	910	28	1	31	1	61	61.4	222	4	1	3	48	6	335
12385	1.1	18000	23	1	137	.2	3	17640	4.1	12	75	43490	2780	22	9930	1043	4	1090	16	810	27	2	32	1	64	85.2	432	3	1	2	38	4	470
12386	.3	15750	21	1	106	.1	1	15670	.1	12	65	42560	2090	22	9550	889	2	710	12	1300	22	1	33	1	95	61.5	143	3	1	2	32	7	445
12387	2.3	12550	33	1	90	.1	1	18290	17.0	11	79	40620	2040	17	7140	907	10	1180	25	990	23	5	36	1	90	75.1	854	2	1	3	50	2	540
12388	1.6	13830	25	1	85	.1	2	30870	5.8	11	68	37740	2220	18	7860	1342	6	170	16	1030	16	2	60	1	61	63.7	458	3	1	2	45	5	460
12389	1.0	14530	23	1	76	.1	1	14650	.1	12	81	42350	2030	20	8580	703	2	1430	17	600	26	2	27	1	49	74.2	267	3	1	2	38	2	540
12390	2.1	14560	33	1	141	.1	2	54910	18.7	11	83	39660	2460	18	8310	1368	14	880	29	2160	29	5	74	1	65	113.2	881	4	1	3	42	13	635
12391	1.1	16280	37	1	102	.1	2	11500	.1	13	81	47210	3040	19	8510	578	3	910	22	740	29	1	21	1	154	98.7	224	3	1	3	44	19	810
12392	1.1	18380	36	1	153	.2	2	12400	.1	12	75	47200	4400	19	8290	730	3	930	25	780	30	1	18	1	384	96.4	232	4	1	3	48	22	745
12393	1.5	17280	35	1	164	.3	2	43010	.1	10	61	46620	3790	20	9160	1406	1	1140	19	1170	29	1	53	1	328	75.0	180	4	1	2	38	24	710
12394	1.5	18480	36	1	154	.2	3	12690	2.7	12	72	48750	4420	19	8580	704	5	950	19	820	22	4	21	1	449	103.7	414	3	1	3	51	15	665
12395	2.8	16200	57	1	113	.1	1	14430	25.2	13	93	50090	3620	18	7870	705	14	940	36	2440	25	9	29	1	121	146.2	1264	2	1	4	53	23	825
12396	2.3	16820	43	5	243	.1	1	30410	2.6	11	81	48790	3940	18	8080	1231	5	700	20	2160	35	3	59	1	68	110.3	392	2	1	2	35	21	840
12397	1.6	19280	36	4	142	.1	2	30530	.1	12	69	56060	5020	19	8360	1078	2	870	14	3820	28	1	54	1	101	121.3	155	2	1	3	41	18	940
12398	2.1	19670	37	3	121	.2	1	19260	.7	13	75	57510	4650	19	8760	832	4	2970	14	3920	44	2	36	1	135	123.5	354	2	1	3	36	22	975
12399	2.8	14900	28	1	111	.2	1	30280	7.7	7	56	38250	4650	11	5870	1009	8	960	17	3190	24	3	46	1	109	91.4	470	2	1	2	40	16	800
12400	1.6	15230	27	1	87	.1	2	18980	.1	11	64	49100	3770	16	7430	881	7	730	11	2150	23	2	26	1	210	75.1	333	1	1	2	37	7	
12401	2.8	15280	55	1	100	.1	2	28450	10.8	10	76	52430	4140	17	8410	919	9	130	25	3970	23	8	46	1	102	106.8	776	1	1	3	35	14	
12402	.4	11730	79	1	47	.2	3	71200	.1	6	20	57550	1940	21	11820	1577	15	50	1	1280	24	2	96	1	35	33.3	118	3	1	2	46	6	
12403	.7	6560	30	1	47	1.0	1	39400	.1	2	5	22640	2460	7	3720	707	25	80	3	90	12	1	36	1	39	6.6	122	3	1	2	56	2	
12404	.7	7890	18	1	68	2.0	1	37210	.1	2	8	25320	3800	6	3370	590	28	50	1	70	19	2	34	1	45	6.0	125	2	1	2	58	15	
12405	.5	6910	13	1	49	1.9	1	11550	.1	1	5	10040	3930	6	1750	183	7	40	1	20	16	1	11	1	52	2.2	94	3	1	3	68	3	
12406	.4	6850	16	1	65	2.6	1	7150	.1	2	7	15980	3040	7	2100	163	9	60	1	290	17	1	7	1	57	2.9	84	2	1	3	70	4	
12407	.7	6480	14	1	59	1.1	1	7780	.1	1	6	11260	2800	6	1620	160	6	120	1	60	30	2	9	1	51	3.1	79	3	1	3	70	2	
12408	.5	6020	38	1	46	1.3	1	5150	.1	2	12	13160	3730	4	820	107	15	130	1	40	24	3	6	1	56	3.7	152	3	1	8	193	1	
12409	.3	3930	39	1	30	.6	1	3260	.1	2	10	21990	2500	3	390	64	20	140	1	30	17	3	3	1	39	1.7	135	1	1	5	148	6	
12410	.3	3470	16	1	25	.6	1	5700	.1	2	6	19110	2150	4	380	108	21	130	1	40	19	2	5	1	36	1.4	126	1	1	5	137	2	
12411	.5	3250	15	1	28	.8	1	8150	.1	1	5	9790	2220	3	300	112	13	150	1	60	15	1	7	1	35	1.6	86	1	1	5	134	3	
12412	.3	3420	35	1	24	.5	1	11320	.1	3	8	28900	2090	5	380	151	24	150	1	40	23	2	10	1	34	1.7	77	1	1	5	151	2	
12413	.5	3270	30	1	21	.6	1	15250	.1	3	7	31030	1920	2	420	148	16	150	1	40	23	4	12	1	32	2.0	52	1	1	4	116	42	
12414	.8	2670	24	1	18	.9	1	29180	.1	2	5	18390	1660	2	750	265	12	150	1	50	12	3	26	1	33	2.5	45	2	1	5	143	2	
12415	.5	2350	27	1	15	.8	1	26500	.1	3	6	27030	1670	2	440	241	13	120	1	30	14	2	23	1	28	2.1	46	1	1	5	131	16	
12416	.3	2410	32	1	13	.4	1	27170	.1	5	8	53090	1730	2	400	234	17	110	1	20	17	2	22	1	26	2.1	76	1	1	4	112	125	
12417	.7	3400	20	1	13	1.2	1	21430	.1	1	4	9970	2160	3	830	181	12	110	1	40	10	1	21	1	34	1.9	39	2	1	4	106	8	
12418	.9	2760	17	1	11	1.2	1	29000	.1	1	5	7780	1820	3	860	265	9	90	1	50	14	1	21	1	36	2.1	56	2	1	4	105	14	
12419	1.0	3660	20	1	54	.9	1	23500	.1	3	9	12980	2560	4	1320	294	22	80	2	90	20	3	33	1	33	4.6	71	2	1	4	82	9	
12420	1.5	9430	36	1	23	.1	8	72030	.1	22	30	29350	2320	15	7570	1141	1	140	31	1100	14	4	50	1	1436	92.8	63	6	1	7	99	4	
12421	1.0	7290	24	1	22	1.5	3	16400	.1	10	15	19580	2370	9	4080	390	2	250	14	320	22	3	15	1	462	35.2	98	4	1	6	115	6	

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ87+88
DATE: 91/10/17
* ROCK * (ACT:F31)

91-97

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12422	.7	4710	13	1	16	1.5	1	7210	.1	2	8	10040	2700	5	1870	185	6	260	1	30	25	1	9	3	90	3.2	115	4	1	5	117	2	
12423	.9	3480	12	1	11	.6	1	14630	.1	2	11	11070	820	4	1810	342	7	550	1	30	20	1	15	3	69	3.2	113	3	1	6	143	3	
12424	.9	5910	12	1	13	1.7	1	8440	.1	1	8	10220	2810	7	1710	189	3	290	1	10	28	2	5	3	78	1.6	108	4	1	4	95	5	
12425	.8	6250	8	1	14	2.5	1	7890	.1	1	4	7540	3590	7	1410	160	5	150	2	20	25	1	4	3	67	1.5	88	4	1	4	95	7	
12426	.8	6600	55	5	113	.2	3	12420	.1	8	29	36910	3280	2	5130	637	4	970	7	1420	24	9	32	1	24	20.9	109	1	1	2	55	4	355
12427	1.9	5210	54	1	103	.1	3	10260	2.5	8	58	34730	2830	1	3200	482	4	1030	21	630	24	15	26	1	25	25.3	283	1	1	3	90	2	895
12428	1.0	4940	29	1	90	.2	4	16900	.1	5	31	23550	2730	1	5060	673	3	900	11	730	20	9	47	1	26	17.8	107	1	1	3	73	1	390
12429	1.2	5640	40	1	100	.2	3	15970	.1	7	35	33850	3010	2	5220	928	3	1070	13	1470	27	12	48	1	28	27.1	116	1	1	4	105	2	540
12430	1.5	5660	50	1	101	.1	4	24960	35.2	7	58	33660	3100	1	5820	1011	13	1350	27	2090	30	16	85	1	27	50.0	1478	2	3	3	61	1	1700
12431	1.3	4080	45	1	75	.1	3	13470	3.4	7	46	29800	2390	1	3490	488	5	900	20	1310	24	14	37	1	21	22.1	224	1	1	4	107	1	630
12432	1.1	3310	40	1	118	.1	4	16850	1.7	7	44	28600	2220	1	5050	658	3	700	14	1210	22	11	57	1	16	16.4	214	1	1	3	82	1	510
12433	.6	2620	30	1	311	.1	4	26620	.1	7	30	33010	1610	1	10020	1132	4	640	5	1150	22	6	114	1	13	16.6	114	2	1	5	123	2	330
12434	.8	3830	28	1	75	.1	4	49860	.1	6	20	33050	1770	1	10580	1432	6	1020	3	7250	26	6	171	1	24	20.2	94	3	1	4	108	1	370
12435	1.0	1860	29	1	45	.1	4	62800	.1	6	25	37070	1070	1	11810	2701	4	680	6	1730	28	8	172	1	12	16.2	123	2	1	4	85	1	365
12436	2.0	2620	47	1	52	.1	2	25010	.1	9	40	34320	1580	1	5330	1046	6	970	12	910	30	14	64	1	18	22.5	121	1	1	3	72	1	545
12437	1.5	3760	43	1	100	.1	2	18080	.1	7	41	34480	2250	1	5150	605	2	1130	13	620	31	12	48	1	17	21.2	119	1	1	3	80	1	465
12438	.7	5710	27	1	107	.6	3	14420	.1	8	39	35800	3200	1	8090	569	1	1760	6	940	35	7	32	2	22	14.0	110	3	3	1	32	1	325
12439	1.1	4160	30	1	119	.1	6	83370	.1	7	21	40550	2060	3	14820	3914	6	750	3	2370	36	7	199	1	21	21.1	123	4	1	3	42	1	335
12440	.5	4330	32	1	239	.1	3	14720	.1	8	43	34670	2410	1	5900	688	8	980	12	590	25	8	37	1	21	16.2	124	2	1	3	79	2	355
12441	.9	3680	43	1	193	.4	3	16150	.1	7	40	23550	1930	2	4340	745	1	1020	25	570	26	10	34	2	18	17.8	101	2	1	3	59	1	465
12442	1.0	4920	56	1	135	.2	2	17110	4.2	7	52	29950	2630	1	6010	620	3	1000	21	730	25	10	50	1	17	29.6	360	2	1	3	77	3	910
12443	1.1	7590	44	1	158	.6	2	17580	.1	6	28	29710	3790	1	5840	669	2	1150	12	1950	26	11	61	2	27	22.5	97	3	1	3	65	1	450
12444	1.0	6170	37	1	108	.4	3	16990	.1	6	27	28320	3200	1	5620	657	2	870	9	1930	23	9	58	2	25	18.8	96	3	4	3	70	1	440
12445	1.5	6160	47	1	114	.2	2	19240	6.2	8	45	30200	3000	3	5140	407	10	940	18	4240	25	14	90	2	27	35.5	381	3	1	4	83	2	740
12446	.4	2650	33	1	72	.1	2	14430	.3	5	37	22500	1620	1	4850	394	2	960	19	590	18	10	43	1	16	12.0	126	1	12	3	90	2	295
12447	.4	2190	21	1	65	.1	3	36550	.1	5	27	31990	1550	1	13170	1468	2	790	7	1010	19	5	106	1	10	12.7	124	1	1	4	105	1	270
12448	.4	3200	32	1	67	.4	2	13010	.1	6	35	25470	2130	1	4300	494	4	880	12	680	22	10	35	1	14	9.8	94	1	1	1	39	5	385
12449	.5	3150	29	1	64	.2	1	13320	.1	6	50	26660	1880	1	4180	484	2	900	23	650	20	12	32	1	18	14.1	118	1	1	4	92	2	430
12450	.1	4700	18	1	104	.2	1	29740	.1	7	29	39540	2650	1	10720	1374	5	1030	7	1120	23	7	100	1	22	14.6	100	1	1	2	42	2	365
12452	.3	4390	20	1	72	.2	1	21040	.1	6	26	21340	2490	1	3940	838	3	980	10	980	17	6	50	1	21	11.1	100	1	3	4	96	1	285
12453	.4	6050	34	1	93	.1	1	9490	.1	10	61	33250	3160	1	5600	537	3	930	23	780	20	8	24	1	33	29.7	128	1	1	4	87	2	315
12454	.5	6580	28	1	110	.5	1	9660	.1	6	43	27850	3500	1	4630	361	2	940	23	760	21	6	29	1	30	23.1	132	1	1	3	78	1	300
12455	1.0	4950	31	1	72	.1	1	14180	.1	8	46	37360	2650	1	6470	555	2	1170	22	880	24	6	41	1	25	26.3	154	1	1	3	68	2	355
12456	.7	3930	29	1	60	.1	1	9510	.1	8	47	30200	2050	1	4520	437	2	1230	24	670	23	7	24	1	24	21.1	131	1	1	2	56	1	305
12457	.4	4300	50	4	320	.2	4	15050	.1	7	34	30860	2450	2	6210	486	2	950	14	1100	19	6	45	1	24	12.4	113	1	2	4	90	3	225
12458	.3	6250	22	1	136	.5	2	10300	.1	9	30	34420	3540	1	6200	435	2	930	4	1730	20	6	27	1	30	13.1	110	1	1	3	49	2	275
12459	.8	4360	32	1	90	.2	1	10070	.1	10	44	38730	2500	1	5040	394	3	820	9	1200	22	7	29	1	23	16.4	104	1	2	3	79	5	275
12460	.5	4100	18	1	77	.3	1	18380	.1	7	33	26660	2220	2	8310	1002	1	870	7	780	20	4	49	1	21	15.8	70	2	1	3	56	2	245
12461	.8	6760	31	1	93	.3	1	10060	.1	9	36	33050	2770	4	5880	496	3	870	8	1100	21	6	23	1	29	22.8	112	2	1	3	78	12	255
12462	.6	4030	17	1	921	.2	2	26080	.1	7	26	23310	2140	3	6270	872	4	680	10	1280	18	5	65	1	23	14.4	87	2	1	2	51	1	205
12463	.8	3920	24	1	172	.2	1	13400	.1	8	47	32050	2000	2	4620	568	10	1120	19	1010	19	7	37	1	18	17.5	122	1	1	2	54	3	285
12464	.5	3070	20	1	84	.1	1	10190	.1	6	37	30200	1840	1	4870	466	1	1160	17	750	22	5	24	1	17	13.4	128	1	1	2	51	12	315
12465	.6	3500	27	1	355	.3	1	15620	.1	7	32	27890	2150	1	5310	948	2	1070	17	1190	23	8	38	1	18	12.5	124	1	1	2	55	5	245
12466	.4	3010	22	1	141	.1	1	22970	.1	6	26	28920	1890	1	7490	1387	2	980	11	800	22	6	44	1	17	10.8	135	2	1	3	62	5	260
12467	.4	4210	25	1	89	.4	1	8440	.1	7	32	26930	2640	1	4500	406	2	790	11	620	17	6	22	1	22	10.6	95	2	1	3	77	3	215
12468	.6	5120	32	1	119	.4	1	10830	.1	8	40	34240	2930	1	5370	480	3	880	14	1650	22	6	33	1	25	14.5	120	2	1	2	54	2	225
12469	.4	3560	27	1	110	.2	1	11450	.1	7	34	32080	2300	1	5470	628	1	700	14	750	23	5	28	1	24	11.8	120	2	1	2	48	7	275
12470	.3	2560	25	1	165	.1	1	11130	.1	8	41	30760	1750	1	4520	584	1	870	15	710	21	5	23	1	19	13.3	123	2	1	1	29	10	230
12471	.7	2560	26	1	81	.2	2	29850	.1	6	30	27270	1750	1	6290	1366	4	860	16	820	22	5	87	1	16	10.6	128	2	1	2	57	3	300
12472	.7	2430	29	1	58	.3	1	10000	.1	7	37	27540	1690	1	3700	492	2	1140	18	730	22	9	25	1	16	11.8	121	1	1	2	36	1	420
12473	.9	3880	30	1	98	.4	2	32390	.1	5	18	21040	2400	1	4760	1700	3	1090	12	2290	23	6	101	1	22	9.9	123	3	1	3	63	1	320
12474	.8	3130	45	1	188	.3	1	6050	.1	10	54	39580	1990	1	4070	565	1	1370	20	580	30	10	15	1	21	17.5	151	2	1	2	54	3	580
12475	1.0	3710	28	1	85	.2	1	22700	.1	8	37	32700	2440	1	5210	863	5	1490	15	850	26	5	70	1	21	15.3	122	3	1	2	53	2	420
12476	1.2	3210	26	1	84	.1	2	61540	.1	7	32	28050	2020	1	7100	1336	1	940	13	1040	20	5	119	1	23	16.7	88	4	1	2	42	3	330
12477	.6	3360	27	1	82	.1	1	15970	.1	6	32	25970	2150	1	3900	666	4	920	11	960	21	7	47	1	21	11.5	123	2	2	3	66	1	360
12478	1.8	3690	51	1	82	.3	1	16110	18.3	6	55	24400	2340	1	3120	468	13	970	22	1670	24	18	66	1	23	26.5	752	2	1	3	76	3	915

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-100
PAGE 1 OF 3

TESTS

Meterage	Dip	Azimuth
0	-44°	117°
61.0	-44°	114°
130.0	-42°	115.5°

COLLAR SURVEY:
Northing: 8857.35
Easting: 9561.92
Elevation: 923.7
Azimuth: 117
Dip: -43°
IP Grid Coordinates: 8840N / 9570 E

CORE BQTW
Section: 8860N
Date Started: Aug 17/91
Date Finnished: Aug 18/91
Date Logged: Aug 18-19/91

Total Depth: 129.85
Casing Depth 3.05
Casing Left In: YES
Logged By: M ARCHAMBAULT
Comments:

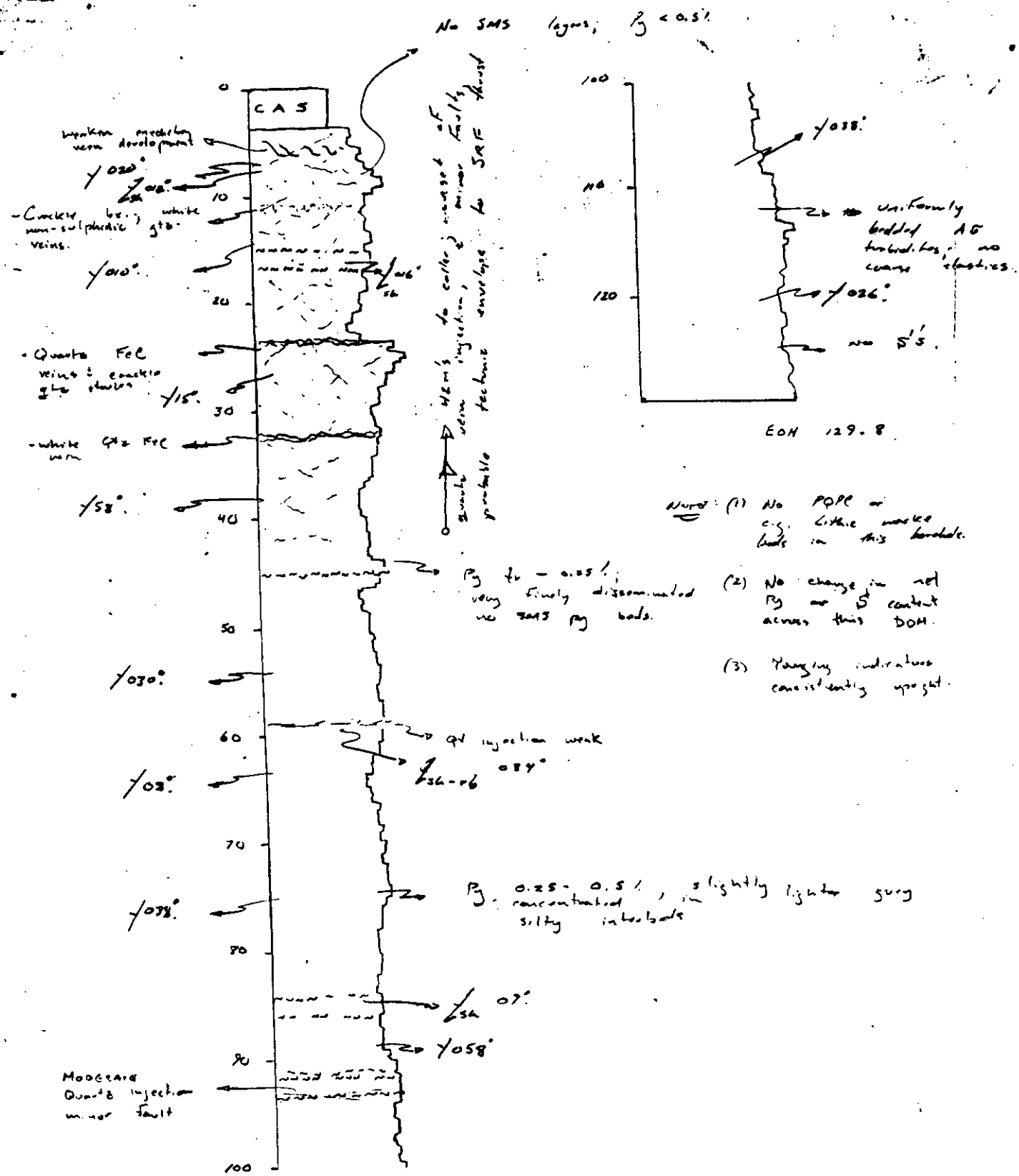
SAMPLE NUMBERS: 12426 To 12506

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	3.05	CASING
3.05	129.85	ARGILLITE (4.4), QUARTZ WACKE - LITHIC WACKE (4.5)
		Lithology: Black mudstone, well bedded from <1mm to 20cm, with minor pyritic lenses and laminations <0.5%. Mudstone forms 40% of the sequence.
		Medium grey siltstone is laminated generally <1mm to 5mm thick but up to 10cm thick. It forms 40% of the sequence.
		The graded beds indicate younging up hole (where it is not too broken) with one exception (?) at 99.7m where grading is fining downward in one massive bed <10cm.
		Alteration: Quartz veinlets in shear zones = 1% overall
		Mineralization: Syngenetic pyrite lenses and laminations < 0.5%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-100 PAGE 2 OF 3
		Structure: 3.05 - 8.23	Core is broken, numerous slickensides 0-30° to c.a
		8.23 - 10.00	Core holds together, some slickensides
		10.00 - 12.4	Broken, slickensides, minor gouge, quartz crackle brecciation, 0-30° to c.a
			bedding sub-parallel to c.a
		12.4 - 18.0	Core holds together, bedding sub parallel to c.a most of the interval, slickenside 0°
			15.5 - 15.7 20 cm gouge zone
		18.0 - 22.3	Broken, numerous slickensides, gouge and quartz crackle brecciation over 30 cm
			bedding planes 10-30°
		22.3 - 24.1	Core holds together, quartz crackle brecciation
		24.1 - 25.5	Broken, 10 cm gouge with quartz veinlets Intense quartz crackle brecciation
			and veining over 35 cm
		25.5 - 27.8	Core holds together, Bedding 20° to c.a, slickensides parallel to bedding
		27.8 - 29.5	Broken, gouge, slickensides and quartz veinlets ≈ 10 cm + calcite veinlets
		29.5 - 32.9	Core holds together, bedding 15° to c.a, slickensides 20-30° to c.a
		32.9 - 35.6	Broken, quartz vein over 30 cm of intersection (white)
		35.6 - 45.45	Core holds together, 36.7 - 41.7 bedding - 50° to c.a
			44.5 40° to c.a
		44.45 - 52.5	Not as broken but contains several short broken sections
			gouge - 46.1, broken 49.7, gouge - 51 cm & 52.5
		52.5 →	Better core, contains a few slickensides
			55.5 slickenside 20° to c.a
			59.7 - 60.1 slickenside 0° & 45° different orientations
			60.2 Bedding 45° to c.a.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-100 PAGE 3 OF 3
		63.1 - 64.2 Bedding 0° to c.a.	
		65.1 Slickenside 50° to c.a.	
		66.1 Slickensides 0-20° to c.a.	
		69.2 Bedding 50° to c.a.	
		72.8 Slickenside parallel to c.a., bedding 45°	
		78.33 Core & slickensides 0-25° to c.a. over approximately 10 cm	
		81.1 10 cm fault, 0-25° to c.a.	
		83.9 - 85.7 Bedding 0° to c.a. 85.7 - 5 cm gouge 0-30° to c.a.	
		87.6 - 88.5 Slickensides 0-30° to c.a. Bedding 45-55° to c.a.	
		96.8 Bedding 45-50°	
		103.25 Slickenside 30° & 50° Bedding 50° fault parallel to bedding	
		105.75 - 106.5 Slickensides parallel to bedding planes 45° to c.a.	
		110.4 Slickenside parallel to bedding 45° to c.a.	
		112.6 " " 45° to c.a.	
		113.0 - 113.4 Fault plane 0° to c.a., bedding disturbed out parallel to the fault	
		120.5 - 121.0 Slickensides parallel to bedding 35° to c.a.	
		121.1 Bedding 25-45° to c.a.	
		123.7 Slickenside 25° to c.a. Core broken over 20 cm Bedding 25° to c.a. becomes	
		0° to c.a. from 124.6 - 129.84 m.	
		129.85 End of hole	

DDH 91-100


No SMS layers, Py < 0.5%
CAS
weaker mechanical vein development
Cracker but white non-sulphidic qtz-veins.
Quartz FeC veins & cracker qtz stringers
white qtz FeC vein
Qtz veins & cracker qtz stringers, minor fault envelope to SRF thrust
Qtz veins, injection, fracture envelope
possible
Py to < 0.25%, very finely disseminated no SMS py beds.
Qtz injection weak
Py. 0.25-0.5%, concentrated in slightly lighter grey silty interbeds
Moderate Quartz injection minor fault
EOH 129.8
uniformly bedded AG turbidites, no coarse clastics.
no S's.
Notes: (1) No PQPC or e.g. Lithic marker beds in this borehole.
(2) No change in net Py or S content across this DDH.
(3) Tonging indications consistently upright.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-100	12426	3.05	4.00	0.95	-	-	4	-	-	0.8	55	9	113	355	29	24	109	36910	12420
91-100	12427	4.00	5.00	1.00	-	-	2	-	-	1.9	54	15	103	895	58	24	283	34730	10260
91-100	12428	5.00	6.00	1.00	-	-	1	-	-	1.0	29	9	90	390	31	20	107	23550	16900
91-100	12429	6.00	7.00	1.00	-	-	2	-	-	1.2	40	12	100	540	35	27	116	33850	15970
91-100	12430	7.00	8.00	1.00	-	-	1	-	-	1.5	50	16	101	1700	58	30	1478	33660	24960
91-100	12431	8.00	9.00	1.00	-	-	1	-	-	1.3	45	14	75	630	46	24	224	29800	13470
91-100	12432	9.00	10.00	1.00	-	-	1	-	-	1.1	40	11	118	510	44	22	214	28600	16850
91-100	12433	10.00	11.00	1.00	-	-	2	-	-	0.6	30	6	311	330	30	22	114	33010	26620
91-100	12434	11.00	12.00	1.00	-	-	1	-	-	0.8	28	6	75	370	20	26	94	33050	49860
91-100	12435	12.00	13.00	1.00	-	-	1	-	-	1.0	29	8	45	365	25	28	123	37070	62800
91-100	12436	13.00	14.00	1.00	-	-	1	-	-	2.0	47	14	52	545	40	30	121	34320	25010
91-100	12437	14.00	15.00	1.00	-	-	1	-	-	1.5	43	12	100	465	41	31	119	34480	18080
91-100	12438	15.00	16.00	1.00	-	-	1	-	-	0.7	27	7	107	325	39	35	110	35800	14420
91-100	12439	16.00	17.00	1.00	-	-	1	-	-	1.1	30	7	119	335	21	36	123	40550	83370
91-100	12440	17.00	18.00	1.00	-	-	2	-	-	0.5	32	8	239	355	43	25	124	34670	14720
91-100	12441	18.00	19.00	1.00	-	-	1	-	-	0.9	43	10	193	465	40	26	101	23550	16150
91-100	12442	19.00	20.00	1.00	-	-	3	-	-	1.0	56	10	135	910	52	25	360	29950	17110
91-100	12443	20.00	21.00	1.00	-	-	1	-	-	1.1	44	11	158	450	28	26	97	29710	17580
91-100	12444	21.00	22.00	1.00	-	-	1	-	-	1.0	37	9	108	440	27	23	96	28320	16990
91-100	12445	22.00	23.00	1.00	-	-	2	-	-	1.5	47	14	114	740	45	25	381	30200	19240
91-100	12446	23.00	24.00	1.00	-	-	2	-	-	0.4	33	10	72	295	37	18	126	22500	14430
91-100	12447	24.00	25.00	1.00	-	-	1	-	-	0.4	21	5	65	270	27	19	124	31990	36550
91-100	12448	25.00	26.00	1.00	-	-	5	-	-	0.4	32	10	67	385	35	22	94	25470	13010
91-100	12449	26.00	27.00	1.00	-	-	2	-	-	0.5	29	12	64	430	50	20	118	26660	13320
91-100	12450	27.00	28.00	1.00	-	-	2	-	-	0.1	18	7	104	365	29	23	100	39540	29740
91-100	12451	28.00	29.00	1.00	-	-	4	-	-	0.4	60	5	125	345	79	25	197	33700	24260
91-100	12452	29.00	30.00	1.00	-	-	1	-	-	0.3	20	6	72	285	26	17	100	21340	21040
91-100	12453	30.00	31.00	1.00	-	-	2	-	-	0.4	34	8	93	315	61	20	128	33250	9490
91-100	12454	31.00	32.00	1.00	-	-	1	-	-	0.5	28	6	110	300	43	21	132	27850	9660
91-100	12455	32.00	33.00	1.00	-	-	2	-	-	1.0	31	6	72	355	46	24	154	37360	14180
91-100	12456	33.00	34.00	1.00	-	-	1	-	-	0.7	29	7	60	305	47	23	131	30200	9510
91-100	12457	34.00	35.00	1.00	-	-	3	-	-	0.4	50	6	320	225	34	19	113	30860	15050
91-100	12458	35.00	36.00	1.00	-	-	2	-	-	0.3	22	6	136	275	30	20	110	34420	10300
91-100	12459	36.00	37.00	1.00	-	-	5	-	-	0.8	32	7	90	275	44	22	104	38730	10070
91-100	12460	37.00	38.00	1.00	-	-	2	-	-	0.5	18	4	77	245	33	20	70	26660	18380
91-100	12461	38.00	39.00	1.00	-	-	12	-	-	0.8	31	6	93	255	36	21	112	33050	10060
91-100	12462	39.00	41.00	2.00	-	-	1	-	-	0.6	17	5	921	205	26	18	87	23310	26080
91-100	12463	41.00	43.00	2.00	-	-	3	-	-	0.8	24	7	172	285	47	19	122	32050	13400
91-100	12464	43.00	45.00	2.00	-	-	12	-	-	0.5	20	5	84	315	37	22	128	30200	10190
91-100	12465	45.00	47.00	2.00	-	-	5	-	-	0.6	27	8	355	245	32	23	124	27890	15620
91-100	12466	47.00	49.00	2.00	-	-	5	-	-	0.4	22	6	141	260	26	22	135	28920	22970
91-100	12467	49.00	51.00	2.00	-	-	3	-	-	0.4	25	6	89	215	32	17	95	26930	8440
91-100	12468	51.00	53.00	2.00	-	-	2	-	-	0.6	32	6	119	225	40	22	120	34240	10830
91-100	12469	53.00	55.00	2.00	-	-	7	-	-	0.4	27	5	110	275	34	23	120	32080	11450
91-100	12470	55.00	57.00	2.00	-	-	10	-	-	0.3	25	5	165	230	41	21	123	30760	11130
91-100	12471	57.00	59.00	2.00	-	-	3	-	-	0.7	26	5	81	300	30	22	128	27270	29850
91-100	12472	59.00	61.00	2.00	-	-	1	-	-	0.7	29	9	58	420	37	22	121	27540	10000
91-100	12473	61.00	63.00	2.00	-	-	1	-	-	0.9	30	6	98	320	18	23	123	21040	32390
91-100	12474	63.00	65.00	2.00	-	-	3	-	-	0.8	45	10	188	580	54	30	151	39580	6050
91-100	12475	65.00	67.00	2.00	-	-	2	-	-	1.0	28	5	85	420	37	26	122	32700	22700
91-100	12476	67.00	69.00	2.00	-	-	3	-	-	1.2	26	5	84	330	32	20	88	28050	61540

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-100	12477	69.00	71.00	2.00	-	-	1	-	-	0.6	27	7	82	360	32	21	123	25970	15970
91-100	12478	71.00	73.00	2.00	-	-	3	-	-	1.8	51	18	82	915	55	24	752	24400	16110
91-100	12479	73.00	75.00	2.00	-	-	6	-	-	1.2	35	17	85	420	45	26	130	35770	14610
91-100	12480	75.00	77.00	2.00	-	-	3	-	-	1.3	73	17	264	360	42	22	150	31110	14520
91-100	12481	77.00	79.00	2.00	-	-	1	-	-	1.2	50	11	240	405	32	22	152	20360	14600
91-100	12482	79.00	81.00	2.00	-	-	1	-	-	0.7	69	7	100	200	14	16	76	17920	12900
91-100	12483	81.00	83.00	2.00	-	-	3	-	-	1.1	38	11	140	265	24	23	101	22730	16140
91-100	12484	83.00	85.00	2.00	-	-	1	-	-	0.8	27	7	83	210	20	19	87	20420	11280
91-100	12485	85.00	87.00	2.00	-	-	1	-	-	1.0	37	8	67	220	20	20	62	21040	15230
91-100	12486	87.00	89.00	2.00	-	-	1	-	-	0.7	33	7	76	295	36	23	102	25420	15390
91-100	12487	89.00	91.00	2.00	-	-	3	-	-	0.3	54	12	51	350	25	24	132	20720	17820
91-100	12488	91.00	93.00	2.00	-	-	1	-	-	0.9	140	15	391	335	30	21	92	30530	37210
91-100	12489	93.00	95.00	2.00	-	-	7	-	-	0.9	41	11	213	345	39	21	133	31050	32410
91-100	12490	95.00	97.00	2.00	-	-	5	-	-	0.2	22	3	122	325	41	19	124	32360	14580
91-100	12491	97.00	99.00	2.00	-	-	4	-	-	0.9	26	3	118	560	26	18	186	15480	8090
91-100	12492	99.00	101.00	2.00	-	-	3	-	-	1.4	42	9	115	640	49	24	331	23170	22660
91-100	12493	101.00	103.00	2.00	-	-	21	-	-	0.3	23	4	143	325	37	23	128	25410	10350
91-100	12494	103.00	105.00	2.00	-	-	3	-	-	0.2	12	1	109	230	31	22	90	24980	18100
91-100	12495	105.00	107.00	2.00	-	-	2	-	-	0.8	22	2	296	280	35	18	166	25260	19060
91-100	12496	107.00	109.00	2.00	-	-	1	-	-	0.9	17	1	150	265	37	20	152	23800	11620
91-100	12497	109.00	111.00	2.00	-	-	6	-	-	0.6	36	4	174	245	33	21	145	21990	9810
91-100	12498	111.00	113.00	2.00	-	-	7	-	-	1.0	32	7	93	410	40	19	182	23780	16270
91-100	12499	113.00	115.00	2.00	-	-	23	-	-	0.4	28	5	176	230	34	21	72	25750	26610
91-100	12500	115.00	117.00	2.00	-	-	18	-	-	0.1	26	5	172	190	35	21	71	23850	11290
91-100	12501	117.00	119.00	2.00	-	-	21	-	-	0.1	31	6	112	240	35	19	73	26460	8240
91-100	12502	119.00	121.00	2.00	-	-	7	-	-	0.3	31	7	142	220	35	24	79	23320	20950
91-100	12503	121.00	123.00	2.00	-	-	3	-	-	1.3	44	10	136	325	43	25	183	25440	61450
91-100	12504	123.00	125.00	2.00	-	-	1	-	-	1.1	30	7	129	275	37	18	142	25870	18960
91-100	12505	125.00	127.00	2.00	-	-	3	-	-	0.7	16	4	280	205	29	18	117	20700	8170
91-100	12506	127.00	129.84	2.84	-	-	1	-	-	0.8	19	5	100	265	38	16	84	15630	10380

COMP: COPELAND REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: MARK REBAGLIATI

MIN-EN LABS — ICP REPORT

91-100

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0600-RJ1
DATE: 91/09/0
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12426	.8	6600	55	5	113	.2	3	12420	.1	8	29	36910	3280	2	5130	637	4	970	7	1420	24	9	32	1	24	20.9	109	1	1	2	55	4	355
12427	1.9	5210	54	1	103	.1	3	10260	2.5	8	58	34730	2830	1	3200	482	4	1030	21	630	24	15	26	1	25	25.3	283	1	1	3	90	2	895
12428	1.0	4940	29	1	90	.2	4	16900	.1	5	31	23550	2730	1	5060	673	3	900	11	730	20	9	47	1	26	17.8	107	1	1	3	73	1	390
12429	1.2	5640	40	1	100	.2	3	15970	.1	7	35	33850	3010	2	5220	928	3	1070	13	1470	27	12	48	1	28	27.1	116	1	1	4	105	2	540
12430	1.5	5660	50	1	101	.1	4	24960	35.2	7	58	33660	3100	1	5820	1011	13	1350	27	2090	30	16	85	1	27	50.0	1478	2	3	3	61	1	1700
12431	1.3	4080	45	1	75	.1	3	13470	3.4	7	46	29800	2390	1	3490	488	5	900	20	1310	24	14	37	1	21	22.1	224	1	1	4	107	1	630
12432	1.1	3310	40	1	118	.1	4	16850	1.7	7	44	28600	2220	1	5050	658	3	700	14	1210	22	11	57	1	16	16.4	214	1	1	3	82	1	510
12433	.6	2620	30	1	311	.1	4	26620	.1	7	30	33010	1610	1	10020	1132	4	640	5	1150	22	6	114	1	13	16.6	114	2	1	5	123	2	330
12434	.8	3830	28	1	75	.1	4	49860	.1	6	20	33050	1770	1	10580	1432	6	1020	3	7250	26	6	171	1	24	20.2	94	3	1	4	108	1	370
12435	1.0	1860	29	1	45	.1	4	62800	.1	6	25	37070	1070	1	11810	2701	4	680	6	1730	28	8	172	1	12	16.2	123	2	1	4	85	1	365
12436	2.0	2620	47	1	52	.1	2	25010	.1	9	40	34320	1580	1	5330	1046	6	970	12	910	30	14	64	1	18	22.5	121	1	1	3	72	1	545
12437	1.5	3760	43	1	100	.1	2	18080	.1	7	41	34480	2250	1	5150	605	2	1130	13	620	31	12	48	1	17	21.2	119	1	1	3	80	1	465
12438	.7	5710	27	1	107	.6	3	14420	.1	8	39	35800	3200	1	8090	569	1	1760	6	940	35	7	32	2	22	14.0	110	3	3	1	32	1	325
12439	1.1	4160	30	1	119	.1	6	83370	.1	7	21	40550	2060	3	14820	3914	6	750	3	2370	36	7	199	1	21	21.1	123	4	1	3	42	1	335
12440	.5	4330	32	1	239	.1	3	14720	.1	8	43	34670	2410	1	5900	688	8	980	12	590	25	8	37	1	21	16.2	124	2	1	3	79	2	355
12441	.9	3680	43	1	193	.4	3	16150	.1	7	40	23550	1930	2	4340	745	1	1020	25	570	26	10	34	2	18	17.8	101	2	1	3	59	1	465
12442	1.0	4920	56	1	135	.2	2	17110	4.2	7	52	29950	2630	1	6010	620	3	1000	21	730	25	10	50	1	17	29.6	360	2	1	3	77	3	910
12443	1.1	7590	44	1	158	.6	2	17580	.1	6	28	29710	3790	1	5840	669	2	1150	12	1950	26	11	61	2	27	22.5	97	3	1	3	65	1	450
12444	1.0	6170	37	1	108	.4	3	16990	.1	6	27	28320	3200	1	5620	657	2	870	9	1930	23	9	58	2	25	18.8	96	3	4	3	70	1	440
12445	1.5	6160	47	1	114	.2	2	19240	6.2	8	45	30200	3000	3	5140	407	10	940	18	4240	25	14	90	2	27	35.5	381	3	1	4	83	2	740
12446	.4	2650	33	1	72	.1	2	14430	.3	5	37	22500	1620	1	4850	394	2	960	19	590	18	10	43	1	16	12.0	126	1	12	3	90	2	295
12447	.4	2190	21	1	65	.1	3	36550	.1	5	27	31990	1550	1	13170	1468	2	790	7	1010	19	5	106	1	10	12.7	124	1	1	4	105	1	270
12448	.4	3200	32	1	67	.4	2	13010	.1	6	35	25470	2130	1	4300	494	4	880	12	680	22	10	35	1	14	9.8	94	1	1	1	39	5	385
12449	.5	3150	29	1	64	.2	1	13320	.1	6	50	26660	1880	1	4180	484	2	900	23	650	20	12	32	1	18	14.1	118	1	1	4	92	2	430
12450	.1	4700	18	1	104	.2	1	29740	.1	7	29	39540	2650	1	10720	1374	5	1030	7	1120	23	7	100	1	22	14.6	100	1	1	2	42	2	365
12451	.4	5270	60	9	125	.1	1	24260	.1	9	79	33700	2530	1	7450	1055	2	1640	23	670	25	5	64	1	54	24.3	197	2	3	4	73	4	345
12452	.3	4390	20	1	72	.2	1	21040	.1	6	26	21340	2490	1	3940	838	3	980	10	980	17	6	50	1	21	11.1	100	1	3	4	96	1	285
12453	.4	6050	34	1	93	.1	1	9490	.1	10	61	33250	3160	1	5600	537	3	930	23	780	20	8	24	1	33	29.7	128	1	1	4	87	2	315
12454	.5	6580	28	1	110	.5	1	9660	.1	6	43	27850	3500	1	4630	361	2	940	23	760	21	6	29	1	30	23.1	132	1	1	3	78	1	300
12455	1.0	4950	31	1	72	.1	1	14180	.1	8	46	37360	2650	1	6470	555	2	1170	22	880	24	6	41	1	25	26.3	154	1	1	3	68	2	355
12456	.7	3930	29	1	60	.1	1	9510	.1	8	47	30200	2050	1	4520	437	2	1230	24	670	23	7	24	1	24	21.1	131	1	1	2	56	1	305
12457	.4	4300	50	4	320	.2	4	15050	.1	7	34	30860	2450	2	6210	486	2	950	14	1100	19	6	45	1	24	12.4	113	1	2	4	90	3	225
12458	.3	6250	22	1	136	.5	2	10300	.1	9	30	34420	3540	1	6200	435	2	930	4	1730	20	6	27	1	30	13.1	110	1	1	3	49	2	275
12459	.8	4360	32	1	90	.2	1	10070	.1	10	44	38730	2500	1	5040	394	3	820	9	1200	22	7	29	1	23	16.4	104	1	2	3	79	5	275
12460	.5	4100	18	1	77	.3	1	18380	.1	7	33	26660	2220	2	8310	1002	1	870	7	780	20	4	49	1	21	15.8	70	2	1	3	56	2	245
12461	.8	6760	31	1	93	.3	1	10060	.1	9	36	33050	2770	4	5880	496	3	870	8	1100	21	6	23	1	29	22.8	112	2	1	3	78	12	255
12462	.6	4030	17	1	921	.2	2	26080	.1	7	26	23310	2140	3	6270	872	4	680	10	1280	18	5	65	1	23	14.4	87	2	1	2	51	1	205
12463	.8	3920	24	1	172	.2	1	13400	.1	8	47	32050	2000	2	4620	568	10	1120	19	1010	19	7	37	1	18	17.5	122	1	1	2	54	3	285
12464	.5	3070	20	1	84	.1	1	10190	.1	6	37	30200	1840	1	4870	466	1	1160	17	750	22	5	24	1	17	13.4	128	1	1	2	51	12	315
12465	.6	3500	27	1	355	.3	1	15620	.1	7	32	27890	2150	1	5310	948	2	1070	17	1190	23	8	38	1	18	12.5	124	1	1	2	55	5	245
12466	.4	3010	22	1	141	.1	1	22970	.1	6	26	28920	1890	1	7490	1387	2	980	11	800	22	6	44	1	17	10.8	135	2	1	3	62	5	260
12467	.4	4210	25	1	89	.4	1	8440	.1	7	32	26930	2640	1	4500	406	2	790	11	620	17	6	22	1	22	10.6	95	2	1	3	77	3	215
12468	.6	5120	32	1	119	.4	1	10830	.1	8	40	34240	2930	1	5370	480	3	880	14	1650	22	6	33	1	25	14.5	120	2	1	2	54	2	225
12469	.4	3560	27	1	110	.2	1	11450	.1	7	34	32080	2300	1	5470	628	1	700	14	750	23	5	28	1	24	11.8	120	2	1	2	48	7	275
12470	.3	2560	25	1	165	.1	1	11130	.1	8	41	30760	1750	1	4520	584	1	870	15	710	21	5	23	1	19	13.3	123	2	1	1	29	10	230
12471	.7	2560	26	1	81	.2	2	29850	.1	6	30	27270	1750	1	6290	1366	4	860	16	820	22	5	87	1	16	10.6	128	2	1	2	57	3	300
12472	.7	2430	29	1	58	.3	1	10000	.1	7	37	27540	1690	1	3700	492	2	1140	18	730	22	9	25	1	16	11.8	121	1	1	2	36	1	420
12473	.9	3880	30	1	98	.4	2	32390	.1	5	18	21040	2400	1	4760	1700	3	1090	12	2290	23	6	101	1	22	9.9	123	3	1	3	63	1	320
12474	.8	3130	45	1	188	.3	1	6050	.1	10	54	39580	1990	1	4070	565	1	1370	20	580	30	10	15	1	21	17.5	151	2	1	2	54	3	580
12475	1.0	3710	28	1	85	.2	1	22700	.1	8	37	32700	2440	1	5210	863	5	1490	15	850	26	5	70	1	21	15.3	122	3	1	2	53	2	420
12476	1.2	3210	26	1	84	.1	2	61540	.1	7	32	28050	2020	1	7100	1336	1	940	13	1040	20	5	119	1	23	16.7	88	4	1	2	42	3	330
12477	.6	3360	27	1	82	.1	1	15970	.1	6	32	25970	2150	1	3900	666	4	920	11	960	21	7	47	1	21	11.5	123	2	2	3	66	1	360
12478	1.8	3690	51	1	82	.3	1	16110	18.3	6	55	24400	2340	1	3120	468	13	970	22	1670	24	18	66	1	23	26.5	752	2	1	3	76	3	915
12479	1.2	3370	35	1	85	.2	1	14610	.1	7	45	35770	2290	1	4240	562	3	1610	11	860	26	17	37	1	19	14.1	130	1	1	2	47	6	420
12480	1.3	4280	73	1	264	.3	1	14520	.3	7	42	31110	2710	1	3850	580	3	780	10	1310	22	17	36	1	22	14.5	150	1	1	3	59	3	360
12481	1.2	3120	50	1	240	.2	1	14600	1.6	5	32	20360	2110	1	3400	464	5	1150	14	750	22	11	30	1	14	14.5	152	3	1	3	73	1	405
12482	.7	4450	69	1	100	.5	1	12900	.1	4	14	17920	2980	1	3980	448	1	810	3	750	16	7	26	2	20	5.8	76	3	1	2	33	1	200
12483	1.1	4500	38	1	140	.2	1	16140	.1	6	24	22730	2760	1	4560	699	4	1280	8	710	23	11	41	2	24	13.3	101	4	1	3	75	3	265
12484	.8	3690	27	1	83	.5	1	11280	.1	4	20	20420	2390	1	4330	383	4	960	9	740	19	7	28	2	15	6.8	87	4	1	1	28	1	210
12485	1.0	2560	37	1	67	.1	1	15230	.1	5	20	21040	1690	1	5200	689	3	830	6	660	20	8	31	2	12	6.6	62	4	1	1	28	1	220
12486	.7	3620	33	1	76	.2	1	15390	.1	7	36	25420	2080	1	5060	887	3	1120	16	680	23	7	35	2	21	13.9	102	3	1	4	77	1	295

COMP: COPELAND REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: MARK REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

91-100

FILE NO: 1S-0600-RJS
DATE: 91/09/04
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12487	.3	2430	54	5	51	.2	4	17820	.1	7	25	20720	1320	3	6380	599	4	830	6	1280	24	12	42	1	17	9.1	132	1	2	1	29	3	350
12488	.9	2950	140	1	391	.3	3	37210	.1	7	30	30530	1840	2	14980	1489	3	880	8	1010	21	15	76	1	15	19.7	92	1	1	2	43	1	335
12489	.9	6170	41	1	213	.3	2	32410	.1	7	39	31050	3370	2	5770	1179	3	980	12	1170	21	11	124	1	29	21.4	133	1	1	2	45	7	345
12490	.2	5250	22	1	122	.3	1	14580	.1	8	41	32360	3020	1	5020	765	3	1320	15	840	19	3	50	1	28	20.3	124	1	3	2	48	5	325
12491	.9	3880	26	1	118	.4	1	8090	2.9	4	26	15480	2040	1	3550	202	6	1100	12	520	18	3	24	1	21	14.4	186	2	1	6	111	4	560
12492	1.4	5110	42	1	115	.2	1	22660	6.6	5	49	23170	2760	1	9270	378	6	1380	20	810	24	9	90	1	23	32.5	331	1	7	4	83	3	640
12493	.3	5570	23	1	143	.3	1	10350	.1	6	37	25410	3120	1	5100	376	4	1080	12	630	23	4	35	1	25	15.5	128	1	2	5	110	21	325
12494	.2	6980	12	1	109	.2	1	18100	.1	6	31	24980	2440	4	5370	977	3	1430	9	820	22	1	61	1	30	20.2	90	2	1	4	83	3	230
12495	.8	5810	22	1	296	.2	1	19060	1.5	6	35	25260	2770	2	3760	887	5	1150	12	900	18	2	53	1	30	22.7	166	1	1	3	77	2	280
12496	.9	6270	17	1	150	.2	1	11620	.1	6	37	23800	2920	2	3480	434	4	1130	14	850	20	1	52	1	34	23.2	152	2	1	4	97	1	265
12497	.6	6090	36	1	174	.3	1	9810	.1	6	33	21990	3330	1	4130	298	6	1450	12	860	21	4	32	1	31	16.3	145	1	1	3	68	6	245
12498	1.0	2900	32	1	93	.2	1	16270	1.4	6	40	23780	1660	1	8470	491	3	1020	13	680	19	7	45	1	17	16.3	182	1	1	1	21	7	410
12499	.4	4370	28	1	176	.3	2	26610	.1	6	34	25750	2450	1	14850	662	3	1190	6	600	21	5	86	1	19	13.6	72	2	1	2	47	23	230
12500	.1	4500	26	1	172	.3	1	11290	.1	7	35	23850	2680	1	5300	244	2	1190	6	690	21	5	35	1	21	10.1	71	2	1	3	66	18	190
12501	.1	4590	31	1	112	.4	1	8240	.1	6	35	26460	2650	1	5620	212	3	710	2	590	19	6	24	1	23	11.7	73	1	1	3	63	21	240
12502	.3	8510	31	1	142	.5	2	20950	.1	6	35	23320	3300	5	9640	410	3	1050	9	730	24	7	66	1	27	13.7	79	3	1	3	68	7	220
12503	1.3	4900	44	1	136	.3	3	61450	.4	6	43	25440	2250	3	17070	1029	4	1080	11	620	25	10	201	1	18	19.2	183	4	1	2	42	3	325
12504	1.1	4790	30	1	129	.2	1	18960	.1	6	37	25870	2710	1	6000	531	4	570	12	660	18	7	67	1	21	17.4	142	2	1	2	53	1	275
12505	.7	7580	16	1	280	.6	1	8170	.1	6	29	20700	3480	3	3630	264	5	780	9	520	18	4	26	1	31	16.3	117	2	1	3	59	3	205
12506	.8	4500	19	1	100	.1	1	10380	.1	4	38	15630	1780	3	2080	289	3	950	18	270	16	5	32	1	25	20.3	84	2	1	5	.114	1	265

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-101
PAGE 1 OF 15

TESTS

Meterage	Dip	Azimuth
0	-45°	115°
45.72	-44.5°	115°
105.48	-44°	115°
153.92	-43.5°	116°
176.45	-43	116°

COLLAR SURVEY:

Northing: 9618.55
Easting: 9585.62
Elevation: 1039.36
Azimuth: 118°
Dip: -45°
IP Grid Coordinates: 9620N / 9590E

CORE BQTW

Section: 9620N
Date Started: Aug 18/91
Date Finnished: Aug 20/91
Date Logged: Aug 20-21/91

Total Depth: 176.5
Casing Depth 1.5m
Casing Left In: YES
Logged By: M ARCHAMBAULT
Comments:

SAMPLE NUMBERS

12507 To 12594
13204 To 13207

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	1.5	CASING
1.5	6.2	GREEN BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
		Lithology: Mottled, greenish grey and black, very hard, with about 20% lapilly 2mm to 5mm. From 2.4 to 2.8 it contains several fragments of dyke material up to 7cm in diameter. The fragments are massive, medium grey with a dark section, 1cm 3mm wide.
		Structure: Weak foliation in places. 3.1m : 35° to c.a.
		Alteration: Weak pervasive sericite, weak pervasive calcite increasing to moderate within 2 metres of the dyke
		Mineralization: Absent.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-101 PAGE 2 OF 15
6.2	32.3	DIORITE DYKE (6.1)	
		Lithology: massive, fine to medium grained, medium grey.	
		Composed of plagioclase altered and mafic possibly biotite altered to chlorite?	
		Some sections show rounded to sub angular fragments in a slightly more calcareous matrix	
		Around 11.9 – 13.0 30.0 – 31.0 m it includes 3 fragments up to 15 cm in diameter, of a similar texture rock, slightly pale grey to pinkish grey, with a 2 mm wide selective rim.	
		Structure: Upper contact is brecciated over 20 cm	
		Lower contact is sharp 65° to c.a.	
		Rusty fractures 1-2/m.	
		Alteration: Strong pervasive calcite alteration. Pervasive limonite along fractures 5 cm on each side	
		at 11.3, 18.0, 24.7, 29.2, 30.2, 31.0 – 32.3 Zones are 10 – 40 cm long	
		Mineralization: Trace of disseminated pyrite, generally absent	
		Trace of pyrite in small fractures	
32.3	50.9	RHYOLITE FLOW (AUTOBRECCIATED) (3.8)	
		32.3 – 49.0	
		Lithology: Dark green, very hard, mottled to slightly foliated texture	
		Flows are generally autobrecciated and contain approximately 20% tuffaceous component.	
		They grades into rhyolite tuffs, dark green slightly foliated but generally massive, or into tuffaceous flow breccia	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-101 PAGE 3 OF 15
		42.7-44.4 - Massive Rhyolite Tuff. 5% fragments < 5 mm	
		44.4-44.8 - Heterolithic Rhyolite Breccia. White, medium green, and black fragments from < 0.5 mm up to 2 cm fragments in a pale greenish grey matrix. Fragments ≈ 30%, Matrix 70%. Gradational upper contact, sharp lower contact with tuff	
		Structure: Weak foliation 39.6 - 50° to c.a.	
		42.8 - 70° to c.a.	
		45.7 - 50-70° to c.a.	
		Alteration: Weak pervasive sericite	
		Mineralization: Trace of finely disseminated pyrite. Generally absent.	
		RHYOLITE FLOW	
		49.0-50.9	
		Lithology: Dark greenish grey, massive, slightly mottled and crackle brecciated < 1 mm to 2 cm generally, and up to 10 cm. Matrix ≈ 20%	
		Structure: Crackle brecciation. Gradational upper contact	
		Sharp & irregular lower contact	
		Alteration: Strong calcite alteration of the matrix	
		Mineralization: Trace of disseminated pyrite. Generally absent	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-121 PAGE 4 OF 15
50.9	59.75	DIORITE DYKE (6.1)
		Lithology: Medium grey, aphanitic to medium grained, massive, approximately 60% plagioclase and 40% mafic, some black grains are present = biotite? <1%
		Structure: 2 inch faults at 58.0 m - 25° to c.a and 58.3 m - 20° to c.a.
		Alteration: Pervasive calcite alteration: 57.9 - 59.75 - 2 early calcite veinlets <3mm wide, irregular, ≈ 5% Preferential orientation 20° ± 10° to c.a
		Mineralization: Trace of pyrite as blebs in fractures
59.75	69.1	GREEN-BLACK RHYOLITIC FRAGMENTALS AND CHERT BRECCIA (3.4)
		Lithology: Dark green to black, very siliceous, shows brecciated texture with weak sericite alteration of the fragments, otherwise massive. Contains some narrow dykelets <5 cm most likely diorite: medium grey, aphanitic and calcareous at 67.8 and 68.1 m
		Structure: Fractured throughout but mainly from 63.7 - 65.2 m and 66.0 to 67.5
		Alteration: Weak sericite alteration of the fragments: Moderate - strong 63 m - 67 m Carbonate alteration of the fragments and along some fractures from 63 - 67 m. ≈ 40%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-101 PAGE 5 OF 15
		Alteration: Calcareous crackle fractures within 40 cm of the lower contact
		59.75-60.2 Irregular quartz veining sub parallel to c.a., 3mm wide ≈ 20%
		limonite on fractures 10-12/m
		Mineralization: Absent
69.1	79.7	DIORITE DYKE (6.1)
		Lithology: Medium grey, aphanitic to fine grained, massive with crackle brecciation where the
		fragments are angular to sub rounded and rotated. Approximately 40% brecciated
		Structure 77.0-77.07 Fault gouge 72.8 Fault planes 25° & 70°
		lower contact is faulted at 45° to c.a.
		Alteration: Moderate calcite alteration ⇒ pervasive
		Strong calcite alteration of the breccia matrix
		Trace of hematite (?) with calcite alteration gives a pinkish tint to some sections
		Mineralization: One pyrite veinlet at 73.95 (2mm wide) and one pyrite pod at 78.55 = 20% over 5 cm
79.7	99.5	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4), RHYOLITE FLOWS (AUTOBRECCIATED) (3.8)
		Lithology: Rounded fragments of the above dyke with black and pale grey rhyolitic fragments,
		most of the fragments are altered to pale grey in a pale grey altered matrix. Most fragments

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-101 PAGE 6 OF 15
		Lithology: show a fine reaction rim, slice pale grey	
		Structure: Faulted contacts: upper 45° to c.a.	
		lower 50° to c.a.	
		Foliated & faulted at 80.45 - 35° to c.a	
		Alteration Moderate calcite alteration of bands in the foliation	
		Weak pervasive calcite alteration	
		Pale grey siliceous mineral replacing some fragments	
		81.0 - 88.5	
		INTERMEDIATE TUFFS - FOLIT ZONE (TO MAFIC)	
		Lithology: Dark green, well foliated intermediate (hard but can be scratched) tuff with irregular deformed narrow (1-3 cm) bands of grey rhyolite. Tuff is mottled to banded black and dark green. - 87.8 7cm wide dyke, massive, med grey calcite alt = moderate	
		Structure: Strongly foliated 81.8 m 30° to c.a	fault 82.0 m 40° to c.a
		88.0 m 30-40° to c.a	84.0 m 0° to c.a
		Alteration: Pervasive chlorite (?), moderate to weak	
		Mineralization: Pyrite blebs on irregular veinlets <0.5%	
		85.5 - 86.2 RHYOLITE FLOW	
		Lithology: Massive, very hard, medium grey to black.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	Hole 91-101 PAGE 7 OF 15

Structure —
Alteration: minor calcite i.e. trace
Mineralization —

88.5 - 90.37
Lithology: Medium green, foliated, with 40% lapilli greenish-beige fragments ≈1mm to 1cm in 60% dark green tuff.

Structure: Strongly foliated 30-40° to c.a.
Fault zone 89.0 - 90.37 — 0-20° to c.a., 10 cm gouge

Alteration: Weak sericite
Mineralization: —
90.37 - 90.7
HETEROLITHIC RHYOLITIC BRECCIA

Lithology: Fragments of hyaloclastic tyke, grey with a strong reaction in ≈ 60%, up to 4cm in diameter with fragments of rhyolite, rhyolitic tuffs and some small unidentified fragments i.e. white, black pale grey etc.
The matrix is dark grey and aphanitic. Very hard.

Structure: Fault ≈ 10 cm 60-90° to c.a., minor gouge - at 90.5

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-101 PAGE 8 OF 15
		Alteration Weak sericite?
		Mineralization —
		90.7 - 91.2
		AUTO BRECCIATED RHYOLITE FLOW
		Lithology: Medium grey, with small fragments (not well defined) of the same composition as the matrix. Minor tuffaceous component
		Structure: has a cleavage: 40° to c.a
		Alteration Weak sericite alt. of the tuffaceous fraction
		Mineralization: small pyrite blebs: trace
		91.2 - 97.65
		BLACK CHERTY HETEROLITHIC BRECCIA
		Lithology: Small black cherty fragments and medium-dark grey fragments in a black matrix slightly tuffaceous → altered to dark green. Fragments are small < 0.5cm ≈ 95% with 5% up to 1.5cm. Fragments form about 40%, matrix 60%. Matrix is slightly tuffaceous - also contains holoclastic dyke fragments up to 4cm, in places.
		Structure: Fault zone 95.6 - 97.65 → Strongly foliated, crushed, with minor gouge
		Foliation: 30° to c.a at 96m
		40° to c.a at 97.3m

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-101 PAGE 9 OF 15

97.5 - 99.05
Lithology: Massive, fine grained, dark green,

Structure: Well foliated: 50° to c.a.

Alteration: Moderate chlorite
Mineralization: PYRITE VEINLET - TRACE

99.65 - 15 cm brecciated hyaloclastic dyke
98.2 - 10 cm " " "

HYALOCLASTIC DYKE
99.05 - 99.5
Lithology: Medium gray, massive, hard, brecciated with sub rounded fragments showing a reaction rim with minor black cherty fragments near the contact.
Structure: - Brecciated irregular contacts

Alteration: - , minor quartz calcite veinlets

Mineralization: pyritic matrix ≈ 3% - massive, fine grained, greenish yellow colour

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-101 PAGE 10 OF 15
99.50	107.2	BLACK CHERT - CHERT BRECCIA (3.3)	
		Lithology: Black chert fragments form approximately 25% in a dark grey - black and dark green matrix. Fragments are of irregular shape, angular and generally less than 1 cm in diameter. Matrix is very siliceous with approximately 20% of dark green tuff.	
		Structure 102.6 m 3 cm fault gouge 103.3 slickenside 20° & 70° to c a	
		Alteration: Minor chlorite alteration of the tuffaceous component	
		Mineralization: Fine grained pyrite veinlets, irregular, and blebs along fractures ≈ 1% At 104.7 - one grain, 2 mm in diameter, of sphalerite in a fracture with pyrite blebs	
		106.4 - 107.2	
		TUFFACEOUS CHERT	
		Lithology: Dark grey to dark green, cl T, very hard, slightly foliated	
		Structure: Weak foliation 60° to c a	
		Alteration: Weak chlorite (?) of the tuffaceous component, calcite along fractures	
		Mineralization: Absent	

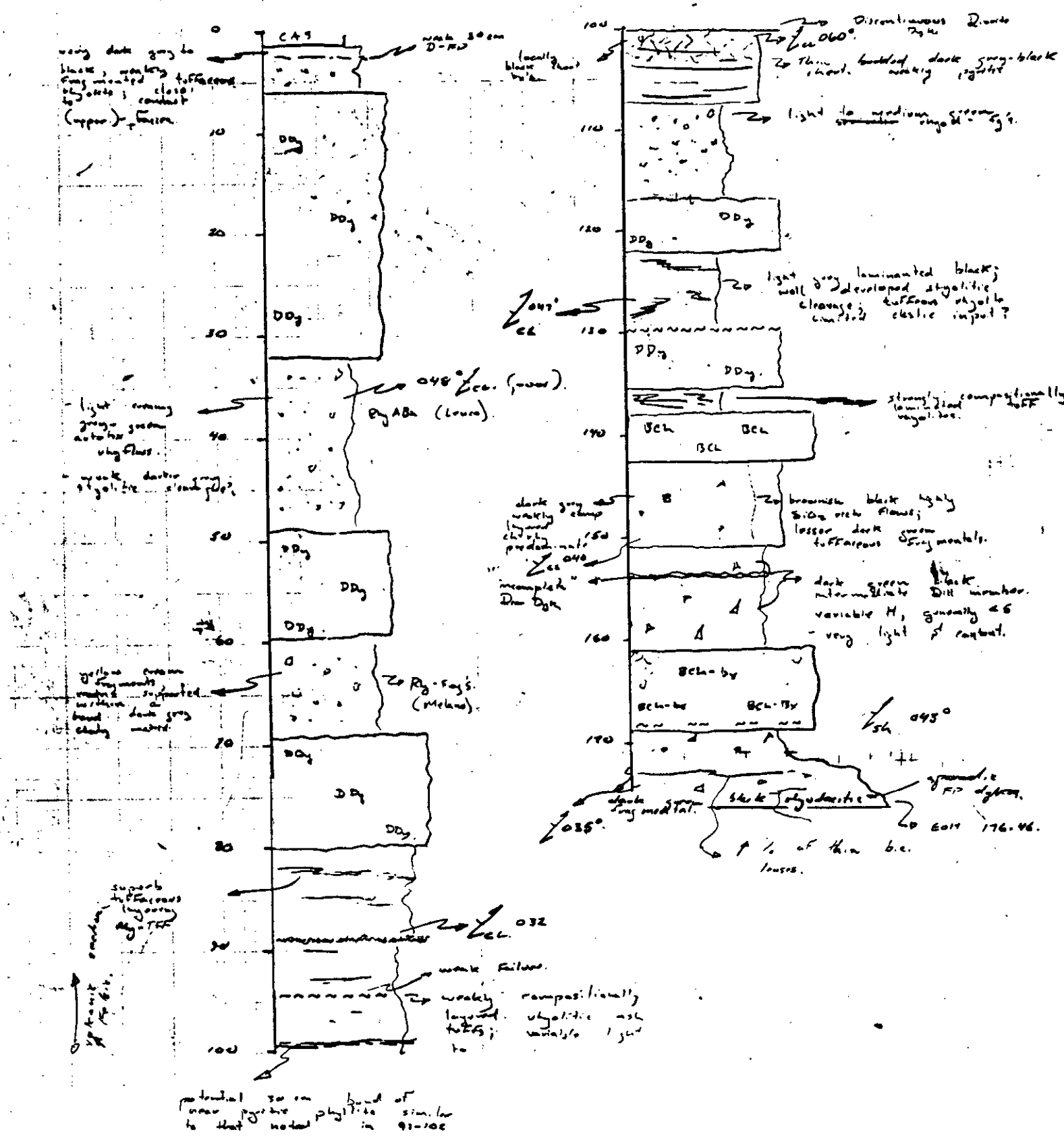
METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-101 PAGE 11 OF 15
107.2	110.5	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA - ASH - CHLORITE (3.4A, c1)
		Lithology: Dark green with narrow black sooty bands ≈ 5-2 mm. Contains dacitic lapilli from 107.5-108.1 - pale green < 1.5 cm in diameter and less than 20%.
		Structure: foliation sub-perpendicular to c a
		Alteration: Weak sericite alt of the fragments. Weak chlorite alt of the tuffaceous content
		Mineralization: Trace of finely disseminated pyrite
		108.1-108.7
		AUTOBRECCIATED RHYOLITE FLOW
		Lithology: Dark green, very hard with fragments < 0.5 cm in a matrix of similar composition
		Structure: —
		Alteration: Weak sericite (?), calcite patches along small fractures
		Mineralization: —

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-101 PAGE 12 OF 15
110.5	117.5	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4) +/- TURBIDITIC MUDSTONE (3.6)	
		Lithology: Dark green, slightly mottled with black, with minor rhyolitic fragments up to 10 cm in diameter. Mottled to swirl to slightly foliated	
		From 112.0 - 112.5 Flow breccia with dark grey to black fragments < 1 cm with a "swirl" texture. Also contains black cherty fragments < 1 cm in diameter, in places ≈ 1%, mostly near lower contact ≈ 40 cm)	
		Structure: 109.6 m fault 10° to c.a.	
		113.2 fault 40-50° to c.a	
		114.9 fault 40° to c.a	
		115.4 fault 30° & 60° to c.a. — 115.0 - 115.4	
		117.1 fault 20° to c.a	
		Alteration: Weak chlorite (?) alteration of the tuffaceous content	
		Mineralization: Trace disseminated pyrite	
		115.0 - 115.4 Pyrite veinlets in the foliation 2% Possibly a trace of sphalerite?	
117.5	121.3	DIORITE DYKE (6.1)	
		Lithology: Medium grey, massive, aphanitic to fine grained & recrystallized in places. Fragments are sub rounded in a calcareous-pyrite matrix	
		Contains black cherty fragments within 20 cm of the upper contact.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-101 PAGE 13 OF 15
		Structure: Brecciated irregular contacts. Preferential orientation of calcite veinlets 60° to c.a.	
		Alteration: Pervasive calcite alteration - weak to moderate Calcite in breccia matrix and in 1-2 mm veinlets ≈ 1%	
		Mineralization: Late pyrite crackle brecciation. Veinlets are irregular, generally ≤ 3 mm wide, 2-3%	
121.3	131.0	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4) +/- TURBIDITIC MUDSTONE (3.6)	
		Lithology: Fragmental & chert breccia grade into each other. Generally dark grey with black to greenish grey fragments in a siliceous to tuffaceous matrix. Tuffaceous 40% - cherty 60% The fragments are < 1 cm in diameter and generally ≤ 5 mm and form ≈ 40% 128.45 - 129.7 Massive rhyolite flow.	
		Structure: strongly foliated, 50° to c.a at 124.6 m 45° to c.a at 127.7 50° to c.a at 129.1 Faulted: 121.6 - 123.9 → Broken to crushed in all orientations, minor gouge 129.1 - 129.5 → Slickensides 0-50° to c.a 130.7 - Slickenside 40° to c.a.	
		Alteration: Clay(?) in the foliation Weak sericite of the volcanic fragments	
		Mineralization: Trace of coarse (1mm) disseminated pyrite	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-101 PAGE 14 OF 15
131.0	135.0	DIORITE DYKE
		Lithology: Medium grey, massive, aphanitic to fine grained, brecciated in places with rounded fragments up to 5 cm in diameter, in a slightly coarser matrix of similar composition.
		Structure: Brecciated contacts Slickensides 131.8m 30 & 60° to c.a.
		Alteration: Weak pervasive calcite alt. Calcite veinlets throughout in several orientation with a preferential orientation 70-80° to c.a. 1-2%, < 4 mm wide
		Mineralization: Irregular pyrite veinlets < 1 mm wide in fractures (crackle breccia), different than the calcite veinlets. ≈ 2-3%
135.0	138.5	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
		135.0 - 176.5
CONTINUED NEXT	PAGE	Lithology: Black chert massive grades into muddy black cherts which show a fine grainy texture on cut surface. Some sections are brecciated with angular black chert fragments in a matrix of similar composition
		Structure: Faults - 138.4 - 140.0 Several slickensides 0 to 70° to c.a. 150.0 - 150.3 Several slickensides 20°-40°-90° to c.a.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-101 PAGE 15 OF 15
		Alteration: Mottled, grey silica alteration within 50 cm of small dykes
		Mineralization: Trace of coarse disseminated pyrite (≈3mm)
		Minor pyrite veinlets around brecciated fragments → trace
		152.85 - 153.6 DIORITE DYKE (6.1) Brecciated as above 131.0 - 135.0
		155.2 - 155.5
		174.5 - 174.7
		175.1 - 175.25
138.5	143.0	BLACK CHERT - CHERT BRECCIA (3.3)
143.0	151.0	GREEN-BLACK RHYOLITIC FLOW (3.2) +/- GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
151.0	161.0	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
161.0	169.5	BLACK-CHERT - CHERT BRECCIA (3.3)
169.5	176.5	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
		173.5 TURBIDITIC MUDSTONE (3.6) - THIN
176.5		END OF HOLE


CA9
weak 30 cm D-RD
very dark gray to black, weakly tuffaceous slaty mudst; closer to contact (upper) - fusion.
locally black hole
DDg
048° CCL (rare).
RgABa (Lower).
light creamy gray - green autoclast vhg flows.
weak slaty dacite flows.
Rg-Fg's. (Melange).
yellow cream gray mudst. rotated within a band dark gray shaly mudst.
supark tuffaceous layers slaty TUFF
032 CCL
weak fabrics.
weakly compositionally layered slaty tuffs; variable light to
potential 30 cm band of near pyritic phyllite similar to that noted in 91-100
Discontinuous Diorite Dyke
060°
Thin, thick, bedded weakly light dark gray-black
light to medium vhg slaty gray's.
DDg
light well developed slaty cleavage; tuffaceous slaty to limited clastic input?
047° CCL
DDg
strongly layered compositionally tuff lower slaty tuffs.
BCL
BCL
dark gray clay weakly layered clayey product
040
incomplete Dio Dyke
brownish black highly SiO2 rich flows; lesser dark green tuffaceous gray mudst.
dark green intermediate Dill member.
variable H, generally ≤ 6 - very light pt content.
BCL-By
BCL-By
BCL-By
043°
slate slaty dacite
slaty mudst.
035°
EOH 176.46.
% of thin b.c. losses.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-101	12507	1.50	3.00	1.50	-	-	6	-	-	0.1	30	1	58	-	13	30	107	14320	7750
91-101	12508	3.00	5.00	2.00	-	-	2	-	-	0.2	11	1	61	-	8	33	117	14290	13570
91-101	12509	5.00	7.00	2.00	-	-	3	-	-	0.9	26	2	68	-	23	24	84	17120	68130
91-101	12510	7.00	9.00	2.00	-	-	1	-	-	1.1	30	1	41	-	53	19	96	36570	68230
91-101	12511	9.00	11.00	2.00	-	-	3	-	-	2.3	1	1	34	-	52	9	80	56450	49280
91-101	12512	11.00	13.00	2.00	-	-	2	-	-	2.9	1	1	72	-	53	8	74	48950	54730
91-101	12513	13.00	15.00	2.00	-	-	1	-	-	3.1	1	1	33	-	56	4	97	61580	39490
91-101	12514	15.00	17.00	2.00	-	-	2	-	-	2.8	5	1	49	-	54	11	87	56730	61090
91-101	12515	17.00	19.00	2.00	-	-	4	-	-	3.0	1	1	53	-	63	9	98	59190	37600
91-101	12516	19.00	21.00	2.00	-	-	1	-	-	3.0	9	1	27	-	60	6	93	60720	61910
91-101	12517	21.00	23.00	2.00	-	-	2	-	-	2.6	8	1	35	-	49	8	81	56680	46460
91-101	12518	23.00	25.00	2.00	-	-	3	-	-	2.6	8	1	28	-	58	6	80	56170	50000
91-101	12519	25.00	27.00	2.00	-	-	2	-	-	2.5	13	1	22	-	56	10	86	57240	57510
91-101	12520	27.00	29.00	2.00	-	-	4	-	-	1.3	23	1	16	-	53	15	90	52780	35090
91-101	12521	29.00	31.00	2.00	-	-	3	-	-	0.5	29	1	30	-	33	26	97	35550	18750
91-101	12522	31.00	33.00	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
91-101	12523	33.00	35.00	2.00	-	-	2	-	-	0.2	12	1	31	-	8	32	117	17830	4480
91-101	12524	35.00	37.00	2.00	-	-	2	-	-	0.3	18	3	38	-	8	31	102	10580	3180
91-101	12525	37.00	39.00	2.00	-	-	1	-	-	0.3	13	3	31	-	6	29	109	11940	3830
91-101	12526	39.00	41.00	2.00	-	-	2	-	-	0.3	15	4	37	-	8	37	137	12720	2950
91-101	12527	41.00	43.00	2.00	-	-	1	-	-	0.4	17	2	29	-	10	33	101	10470	1880
91-101	12528	43.00	45.00	2.00	-	-	5	-	-	0.4	11	2	26	-	7	37	106	12380	1840
91-101	12529	45.00	47.00	2.00	-	-	2	-	-	0.4	12	2	37	-	9	43	129	16870	4150
91-101	12530	47.00	49.00	2.00	-	-	2	-	-	0.3	11	2	31	-	4	29	81	11040	6830
91-101	12531	49.00	51.00	2.00	-	-	1	-	-	0.8	26	2	22	-	11	26	48	12520	48710
91-101	12532	51.00	53.00	2.00	-	-	4	-	-	0.1	32	1	18	-	36	16	93	56200	25330
91-101	12533	53.00	55.00	2.00	-	-	2	-	-	1.4	10	1	11	-	41	15	84	66660	27720
91-101	12534	55.00	57.00	2.00	-	-	6	-	-	0.5	32	2	17	-	47	18	78	44200	59260
91-101	12535	57.00	59.00	2.00	-	-	5	-	-	0.2	40	4	10	-	39	21	79	43380	39270
91-101	12536	59.00	61.00	2.00	-	-	2	-	-	0.3	27	3	13	-	20	22	59	22350	22960
91-101	12537	61.00	63.00	2.00	-	-	3	-	-	0.4	15	1	19	-	10	28	78	25120	14640
91-101	12538	63.00	65.00	2.00	-	-	2	-	-	0.8	20	1	71	-	11	23	89	17750	31650
91-101	12539	65.00	67.00	2.00	-	-	1	-	-	0.6	17	1	58	-	8	20	84	18920	27170
91-101	12540	67.00	69.00	2.00	-	-	1	-	-	0.4	11	1	30	-	8	18	56	10370	13750
91-101	12541	69.00	71.00	2.00	-	-	1	-	-	1.5	25	1	30	-	34	9	98	28530	67520
91-101	12542	71.00	73.00	2.00	-	-	1	-	-	1.7	30	1	26	-	42	10	112	28570	61700
91-101	12543	73.00	75.00	2.00	-	-	2	-	-	1.4	24	1	16	-	40	14	136	31380	58100
91-101	12544	75.00	77.00	2.00	-	-	3	-	-	1.3	27	1	16	-	39	9	90	37930	36030
91-101	12545	77.00	79.00	2.00	-	-	1	-	-	1.3	25	1	31	-	34	11	91	35600	38080
91-101	12546	79.00	81.00	2.00	-	-	1	-	-	0.8	25	1	30	-	24	15	79	26060	35280
91-101	12547	81.00	83.00	2.00	-	-	2	-	-	0.4	13	1	31	-	7	21	101	22010	14140
91-101	12548	83.00	85.00	2.00	-	-	3	-	-	0.5	18	1	29	-	7	30	93	21530	14740
91-101	12549	85.00	87.00	2.00	-	-	1	-	-	0.7	16	1	28	-	7	26	95	19510	19630
91-101	12550	87.00	89.00	2.00	-	-	1	-	-	0.9	14	2	59	-	6	27	106	20650	39290
91-101	12551	89.00	91.00	2.00	-	-	2	-	-	0.3	55	8	46	-	15	29	123	25070	15350
91-101	12552	91.00	93.00	2.00	-	-	1	-	-	0.5	19	4	35	-	8	15	83	11640	19660
91-101	12553	93.00	95.00	2.00	-	-	2	-	-	0.3	64	7	36	-	13	29	108	23250	7980
91-101	12554	95.00	97.00	2.00	-	-	2	-	-	0.4	30	4	64	-	8	19	108	11700	9560
91-101	12555	97.00	99.00	2.00	-	-	1	-	-	0.4	29	3	43	-	16	19	153	25860	9810
91-101	12556	99.00	101.00	2.00	-	-	1	-	-	0.4	50	8	40	-	19	28	87	23270	12390
91-101	12557	101.00	103.00	2.00	-	-	1	-	-	0.5	32	6	34	-	13	26	81	15920	9540

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-101	12558	103.00	105.00	2.00	-	-	4	-	-	0.2	25	6	34	-	16	30	108	21360	8830
91-101	12559	105.00	107.00	2.00	-	-	1	-	-	0.6	18	3	27	-	6	23	72	9400	15730
91-101	12560	107.00	109.00	2.00	-	-	5	-	-	0.5	12	1	36	-	9	21	111	18020	17960
91-101	12561	109.00	111.00	2.00	-	-	2	-	-	0.3	14	2	29	-	6	23	62	25800	10110
91-101	12562	111.00	113.00	2.00	-	-	1	-	-	0.5	17	2	27	-	7	34	69	22200	11430
91-101	12563	113.00	115.00	2.00	-	-	1	-	-	0.6	12	1	42	-	6	29	113	20500	12270
91-101	12564	115.00	117.00	2.00	-	-	2	-	-	0.4	16	1	85	-	8	19	129	24170	8080
91-101	12565	117.00	119.00	2.00	-	-	1	-	-	0.5	31	4	68	-	26	13	87	25470	15040
91-101	12566	119.00	121.00	2.00	-	-	1	-	-	0.1	54	14	21	-	48	13	68	42070	27720
91-101	12567	121.00	123.00	2.00	-	-	1	-	-	0.1	37	12	197	-	35	21	119	32870	10950
91-101	12568	123.00	125.00	2.00	-	-	81	-	-	0.2	28	22	105	-	16	70	149	15420	7870
91-101	12569	125.00	127.00	2.00	-	-	10	-	-	0.3	18	6	53	-	11	33	115	14650	11170
91-101	12570	127.00	129.00	2.00	-	-	2	-	-	0.4	15	3	61	-	9	34	155	18600	10730
91-101	12571	129.00	131.00	2.00	-	-	3	-	-	0.2	15	6	56	-	8	34	114	14560	8890
91-101	12572	131.00	133.00	2.00	-	-	1	-	-	0.1	54	15	23	-	42	26	48	35350	7200
91-101	13204	133.00	133.50	0.50	0.01	0.001	0	-	-	0.9	82	19	53	-	55	9	39	39710	20460
91-101	13205	133.50	134.00	0.50	0.01	0.001	0	-	-	0.1	106	34	62	-	75	10	58	50190	14720
91-101	13206	134.00	134.50	0.50	0.01	0.001	0	-	-	0.1	71	25	59	-	54	5	48	44950	10370
91-101	13207	134.50	135.00	0.50	0.01	0.001	0	-	-	0.3	32	13	49	-	46	13	69	26860	9850
91-101	12574	135.00	137.00	2.00	-	-	2	-	-	0.2	10	2	40	-	11	26	124	16470	7530
91-101	12575	137.00	139.00	2.00	-	-	1	-	-	0.3	7	1	74	-	7	28	123	12620	5550
91-101	12576	139.00	141.00	2.00	-	-	1	-	-	0.2	13	1	17	-	6	30	127	11180	2030
91-101	12577	141.00	143.00	2.00	-	-	2	-	-	0.5	9	1	24	-	6	26	104	12980	11190
91-101	12578	143.00	145.00	2.00	-	-	1	-	-	0.5	11	1	22	-	7	24	117	11150	10490
91-101	12579	145.00	147.00	2.00	-	-	1	-	-	0.4	10	1	45	-	10	12	114	16550	6410
91-101	12580	147.00	149.00	2.00	-	-	1	-	-	0.5	22	3	35	-	15	28	103	15890	7340
91-101	12581	149.00	151.00	2.00	-	-	2	-	-	0.6	31	4	34	-	13	23	97	15060	9180
91-101	12582	151.00	153.00	2.00	-	-	1	-	-	0.4	13	1	23	-	6	16	89	11230	6190
91-101	12583	153.00	155.00	2.00	-	-	1	-	-	0.4	29	2	32	-	10	23	105	11280	6580
91-101	12584	155.00	157.00	2.00	-	-	3	-	-	0.8	35	1	48	-	15	30	110	23030	14400
91-101	12585	157.00	159.00	2.00	-	-	1	-	-	1.1	28	2	51	-	10	19	69	24530	59090
91-101	12586	159.00	161.00	2.00	-	-	2	-	-	0.4	5	1	51	-	6	19	127	15790	5170
91-101	12587	161.00	163.00	2.00	-	-	1	-	-	0.4	12	1	49	-	7	23	112	14640	12130
91-101	12588	163.00	165.00	2.00	-	-	1	-	-	0.5	14	1	18	-	6	24	95	10860	9930
91-101	12589	165.00	167.00	2.00	-	-	1	-	-	0.3	20	1	18	-	8	32	131	13300	8690
91-101	12590	167.00	169.00	2.00	-	-	2	-	-	0.3	13	1	13	-	8	27	111	9730	6920
91-101	12591	169.00	171.00	2.00	-	-	1	-	-	0.4	8	1	27	-	6	28	133	10780	6850
91-101	12592	171.00	173.00	2.00	-	-	1	-	-	0.3	6	1	30	-	6	21	122	10490	4690
91-101	12593	173.00	175.00	2.00	-	-	2	-	-	0.5	12	1	27	-	8	20	114	20110	13720
91-101	12594	175.00	176.43	1.43	-	-	1	-	-	0.4	1	1	48	-	7	18	141	17530	5890

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ89+90
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12479	1.2	3370	35	1	85	.2	1	14610	.1	7	45	35770	2290	1	4240	562	3	1610	11	860	26	17	37	1	19	14.1	130	1	1	2	47	6	420
12480	1.3	4280	73	1	264	.3	1	14520	.3	7	42	31110	2710	1	3850	580	3	780	10	1310	22	17	36	1	22	14.5	150	1	1	3	59	3	360
12481	1.2	3120	50	1	240	.2	1	14600	1.6	5	32	20360	2110	1	3400	464	5	1150	14	750	22	11	30	1	14	14.5	152	3	1	3	73	1	405
12482	.7	4450	69	1	100	.5	1	12900	.1	4	14	17920	2980	1	3980	448	1	810	3	750	16	7	26	2	20	5.8	76	3	1	2	33	1	200
12483	1.1	4500	38	1	140	.2	1	16140	.1	6	24	22730	2760	1	4560	699	4	1280	8	710	23	11	41	2	24	13.3	101	4	1	3	75	3	265
12484	.8	3690	27	1	83	.5	1	11280	.1	4	20	20420	2390	1	4330	383	4	960	9	740	19	7	28	2	15	6.8	87	4	1	1	28	1	210
12485	1.0	2560	37	1	67	.1	1	15230	.1	5	20	21040	1690	1	5200	689	3	830	6	660	20	8	31	2	12	6.6	62	4	1	1	28	1	220
12486	.7	3620	33	1	76	.2	1	15390	.1	7	36	25420	2080	1	5060	887	3	1120	16	680	23	7	35	2	21	13.9	102	3	1	4	77	1	295
12487	.3	2430	54	5	51	.2	4	17820	.1	7	25	20720	1320	3	6380	599	4	830	6	1280	24	12	42	1	17	9.1	132	1	2	1	29	3	350
12488	.9	2950	140	1	391	.3	3	37210	.1	7	30	30530	1840	2	14980	1489	3	880	8	1010	21	15	76	1	15	19.7	92	1	1	2	43	1	335
12489	.9	6170	41	1	213	.3	2	32410	.1	7	39	31050	3370	2	5770	1179	3	980	12	1170	21	11	124	1	29	21.4	133	1	1	2	45	7	345
12490	.2	5250	22	1	122	.3	1	14580	.1	8	41	32360	3020	1	5020	765	3	1320	15	840	19	3	50	1	28	20.3	124	1	3	2	48	5	325
12491	.9	3880	26	1	118	.4	1	8090	2.9	4	26	15480	2040	1	3550	202	6	1100	12	520	18	3	24	1	21	14.4	186	2	1	6	111	4	560
12492	1.4	5110	42	1	115	.2	1	22660	6.6	5	49	23170	2760	1	9270	378	6	1380	20	810	24	9	90	1	23	32.5	331	1	7	4	83	3	640
12493	.3	5570	23	1	143	.3	1	10350	.1	6	37	25410	3120	1	5100	376	4	1080	12	630	23	4	35	1	25	15.5	128	1	2	5	110	21	325
12494	.2	6980	12	1	109	.2	1	18100	.1	6	31	24980	2440	4	5370	977	3	1430	9	820	22	1	61	1	30	20.2	90	2	1	4	83	3	230
12495	.8	5810	22	1	296	.2	1	19060	1.5	6	35	25260	2770	2	3760	887	5	1150	12	900	18	2	53	1	30	22.7	166	1	1	3	77	2	280
12496	.9	6270	17	1	150	.2	1	11620	.1	6	37	23800	2920	2	3480	434	4	1130	14	850	20	1	52	1	34	23.2	152	2	1	4	97	1	265
12497	.6	6090	36	1	174	.3	1	9810	.1	6	33	21990	3330	1	4130	298	6	1450	12	860	21	4	32	1	31	16.3	145	1	1	3	68	6	245
12498	1.0	2900	32	1	93	.2	1	16270	1.4	6	40	23780	1660	1	8470	491	3	1020	13	680	19	7	45	1	17	16.3	182	1	1	1	21	7	410
12499	.4	4370	28	1	176	.3	2	26610	.1	6	34	25750	2450	1	14850	662	3	1190	6	600	21	5	86	1	19	13.6	72	2	1	2	47	23	230
12500	.1	4500	26	1	172	.3	1	11290	.1	7	35	23850	2680	1	5300	244	2	1190	6	690	21	5	35	1	21	10.1	71	2	1	3	66	18	190
12501	.1	4590	31	1	112	.4	1	8240	.1	6	35	26460	2650	1	5620	212	3	710	2	590	19	6	24	1	23	11.7	73	1	1	3	63	21	240
12502	.3	8510	31	1	142	.5	2	20950	.1	6	35	23320	3300	5	9640	410	3	1050	9	730	24	7	66	1	27	13.7	79	3	1	3	68	7	220
12503	1.3	4900	44	1	136	.3	3	61450	.4	6	43	25440	2250	3	17070	1029	4	1080	11	620	25	10	201	1	18	19.2	183	4	1	2	42	3	325
12504	1.1	4790	30	1	129	.2	1	18960	.1	6	37	25870	2710	1	6000	531	4	570	12	660	18	7	67	1	21	17.4	142	2	1	2	53	1	275
12505	.7	7580	16	1	280	.6	1	8170	.1	6	29	20700	3480	3	3630	264	5	780	9	520	18	4	26	1	31	16.3	117	2	1	3	59	3	205
12506	.8	4500	19	1	100	.1	1	10380	.1	4	38	15630	1780	3	2080	289	3	950	18	270	16	5	32	1	25	20.3	84	2	1	5	114	1	265
12507	.1	5290	30	4	58	1.6	2	7750	.1	7	13	14320	2570	6	1730	107	4	90	10	140	30	1	8	1	72	9.8	107	1	1	4	94	6	
12508	.2	5690	11	1	61	1.8	1	13570	.1	3	8	14290	2550	7	2150	145	9	50	1	50	33	1	12	1	57	2.1	117	2	1	4	86	2	
12509	.9	8750	26	1	68	.5	4	68130	.1	16	23	17120	2300	12	6350	531	3	170	23	540	24	2	48	1	555	76.9	84	5	1	5	100	3	
12510	1.1	18660	30	1	41	.1	10	68230	.1	35	53	36570	1130	34	21140	841	1	360	49	1170	19	1	58	1	2035	266.7	96	6	1	12	209	1	
12511	2.3	24360	1	1	34	.1	24	49280	.1	41	52	56450	990	45	28760	783	1	360	36	1060	9	1	30	1	5726	271.5	80	1	1	13	211	3	
12512	2.9	22490	1	1	72	.1	28	54730	.1	43	53	48950	2240	34	21940	707	1	270	46	1160	8	1	33	1	6764	233.9	74	2	2	13	202	2	
12513	3.1	28100	1	1	33	.1	30	39490	.1	48	56	61580	1000	42	28900	882	1	380	46	1210	4	1	29	1	7398	311.7	97	2	3	14	217	1	
12514	2.8	22670	5	1	49	.1	27	61090	.1	43	54	56730	1220	34	24510	696	1	290	40	1130	11	1	37	1	6363	281.6	87	3	2	14	213	2	
12515	3.0	23780	1	1	53	.1	30	37600	.1	47	63	59190	1620	36	24900	704	1	400	50	1170	9	1	30	1	7363	283.4	98	1	3	16	220	4	
12516	3.0	23080	9	1	27	.1	27	61910	.1	47	60	60720	620	38	26790	848	1	290	48	1130	6	1	43	1	6833	295.3	93	2	3	14	220	1	
12517	2.6	23270	8	1	35	.1	26	46460	.1	45	49	56680	1290	37	26180	719	1	350	52	1050	8	1	32	1	6172	266.4	81	3	2	13	215	2	
12518	2.6	21910	8	1	28	.1	27	50000	.1	44	58	56170	1060	36	24320	721	1	340	56	1130	6	1	36	1	6295	271.1	80	3	2	13	215	3	
12519	2.5	21840	13	1	22	.1	24	57510	.1	43	56	57240	1150	36	24650	789	1	370	48	1080	10	1	44	1	5720	263.6	86	3	1	12	205	2	
12520	1.3	21750	23	1	16	.1	14	35090	.1	41	53	52780	560	38	26260	779	1	380	52	1100	15	1	42	1	3248	305.2	90	4	1	13	227	4	
12521	.5	15790	29	1	30	.9	5	18750	.1	24	33	35550	1490	25	15040	511	2	260	37	680	26	1	19	1	988	171.1	97	7	1	10	178	3	
12523	.2	8340	12	1	31	1.3	1	4480	.1	3	8	17830	2130	10	3750	214	5	120	1	50	32	1	4	1	79	4.1	117	5	1	6	131	2	
12524	.3	5320	18	1	38	3.1	2	3180	.1	3	8	10580	2140	6	2020	119	7	100	3	40	31	3	3	1	106	4.4	102	4	1	5	128	2	
12525	.3	6880	13	1	31	2.0	2	3830	.1	2	6	11940	2250	8	2750	146	5	80	1	30	29	3	4	1	70	1.5	109	4	1	4	100	1	
12526	.3	7280	15	1	37	3.4	1	2950	.1	3	8	12720	3110	8	2440	129	13	120	4	40	37	4	3	2	82	1.6	137	5	1	5	117	2	
12527	.4	5220	17	1	29	3.4	1	1880	.1	2	10	10470	1820	5	2000	111	6	130	1	50	33	2	3	1	63	2.1	101	5	1	6	141	1	
12528	.4	7420	11	1	26	3.3	1	1840	.1	2	7	12380	2350	9	3500	133	5	100	1	30	37	2	3	1	77	3.8	106	6	1	4	102	5	
12529	.4	12960	12	1	37	4.4	3	4150	.1	3	9	16870	4720	16	6020	143	3	170	1	20	43	2	5	2	106	2.7	129	7	1	5	109	2	
12530	.3	6890	11	1	31	2.6	2	6830	.1	2	4	11040	2170	9	4040	136	5	90	1	10	29	2	6	2	67	4.4	81	6	1	5	106	2	
12531	.8	4400	26	1	22	1.8	2	48710	.1	6	11	12520	1220	6	3800	318	6	300	9	180	26	2	36	1	73	37.3	48	4	1	8	196	1	
12532	.1	22670	32	1	18	.1	5	25330	.1	33	36	56200	790	47	26560	795	1	490	32	950	16	1	37	1	807	259.9	93	5	1	12	224	4	
12533	1.4	30160	10	1	11	.1	17	27720	.1	41	41	66660	430	61	35130	882	1	390	28	1050	15	1	36	1	3615	309.0	84	2	1	13	233	2	
12534	.5	20360	32	1	17	.1	5	59260	.1	33	47	44200	710	41	23700	1065	1	380	48	1000	18	2	53	1	543	264.3	78	6	1	12	210	6	
12535	.2	18870	40	1	10	.2	4	39270	.1	33	39	43380	730	37	20280	918	1	330	55	930	21	4	56	1	203	243.5	79	6	1	12	227	5	

91-101

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ91+92
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12536	.3	9070	27	1	13	1.0	2	22960	.1	15	20	22350	530	17	7950	427	5	330	25	480	22	3	39	1	121	122.7	59	6	1	9	181	2	
12537	.4	9620	15	1	19	2.3	3	14640	.1	5	10	25120	1490	16	8160	412	3	140	2	80	28	1	30	1	223	20.6	78	6	1	5	119	3	
12538	.8	10880	20	1	71	1.8	3	31650	.1	4	11	17750	2970	16	8040	315	2	70	1	60	23	1	29	1	66	9.7	89	5	1	3	67	2	
12539	.6	14000	17	1	58	2.9	2	27170	.1	3	8	18920	4190	19	10170	267	1	20	1	30	20	1	24	1	69	6.9	84	6	1	1	32	1	
12540	.4	4950	11	1	30	1.8	2	13750	.1	3	8	10370	1180	7	3430	173	5	210	5	70	18	1	12	1	151	11.6	56	2	1	5	133	1	
12541	.4	5270	60	9	125	.1	1	24260	.1	9	79	33700	2530	1	7450	1055	2	1640	23	670	25	5	64	1	54	24.3	197	2	3	4	73	4	345
12541	1.5	11400	25	1	30	.1	9	67520	.1	29	34	28530	1600	21	9440	642	1	220	38	1000	9	1	50	1	1834	133.1	98	5	1	8	143	1	
12542	1.7	9300	30	1	26	.1	11	61700	.1	38	42	28570	1680	15	6590	500	1	210	47	1180	10	1	37	1	2461	145.7	112	4	1	9	153	1	
12543	1.4	7600	24	1	16	.1	10	58100	.1	31	40	31380	570	13	6190	446	1	230	44	850	14	1	42	1	2151	158.1	136	4	1	11	165	2	
12544	1.3	10990	27	1	16	.1	9	36030	.1	38	39	37930	820	21	9350	543	1	190	58	1010	9	1	38	1	2092	159.2	90	5	1	9	165	3	
12545	1.3	11300	25	1	31	.1	10	38080	.1	31	34	35600	1070	19	9160	679	1	190	45	850	11	1	32	1	2123	126.6	91	4	1	8	140	1	
12546	.8	8150	25	1	30	.8	5	35280	.1	20	24	26060	1390	15	6900	367	1	170	27	590	15	1	25	1	837	65.2	79	4	1	5	101	1	
12547	.4	10460	13	1	31	2.4	2	14140	.1	3	7	22010	2210	18	11330	229	1	100	1	30	21	1	30	1	34	5.5	101	4	1	3	66	2	
12548	.5	10760	18	1	29	2.0	3	14740	.1	3	7	21530	2130	17	9030	212	2	120	1	20	30	1	22	1	56	4.7	93	5	1	3	70	3	
12549	.7	9820	16	1	28	1.7	3	19630	.1	3	7	19510	1540	14	7770	197	2	160	1	30	26	1	23	1	90	6.5	95	6	1	3	64	1	
12550	.9	11110	14	1	59	3.9	3	39290	.1	3	6	20650	3260	14	8590	324	1	70	1	40	27	2	32	2	55	3.4	106	6	1	2	44	1	
12551	.3	3650	55	1	46	2.2	2	15350	.1	10	15	25070	2460	2	4100	239	6	160	9	130	29	8	32	1	28	7.3	123	2	1	3	78	2	
12552	.5	1980	19	1	35	.9	1	19660	.1	2	8	11640	1350	1	1720	213	4	180	1	50	15	4	25	1	31	2.1	83	2	1	3	80	1	
12553	.3	6910	64	1	36	1.1	1	7980	.1	10	13	23250	1820	7	3480	150	7	200	11	120	29	7	12	1	64	13.8	108	4	1	5	113	2	
12554	.4	2870	30	1	64	.9	1	9560	.1	4	8	11700	1680	1	1560	134	7	180	3	60	19	4	15	1	37	4.7	108	2	1	5	119	2	
12555	.4	11180	29	1	43	3.3	2	9810	.1	10	16	25860	2790	12	6440	200	3	110	9	100	19	3	14	2	68	17.6	153	6	1	3	50	1	
12556	.4	6120	50	1	40	1.8	1	12390	.1	17	19	23270	1900	7	3080	159	5	280	24	230	28	8	18	1	55	27.1	87	3	1	6	148	1	
12557	.5	4350	32	1	34	1.0	2	9540	.1	9	13	15920	1370	4	2230	116	4	200	10	100	26	6	13	1	39	13.7	81	3	1	5	115	1	
12558	.2	5950	25	1	34	1.1	2	8830	.1	10	16	21360	1680	7	4040	169	3	200	12	120	30	6	15	1	40	13.9	108	3	1	4	96	4	
12559	.6	2970	18	1	27	.4	1	15730	.1	2	6	9400	680	3	1790	135	3	240	3	20	23	3	18	1	27	2.5	72	3	1	4	104	1	
12560	.5	8730	12	1	36	2.4	3	17960	.1	4	9	18020	2440	12	5800	216	3	70	1	60	21	1	23	1	200	12.9	111	4	1	4	79	5	
12561	.3	11810	14	1	29	4.2	3	10110	.1	3	6	25800	3240	17	7970	177	3	20	1	30	23	2	9	1	51	2.1	62	4	1	1	32	2	
12562	.5	11700	17	1	27	2.5	3	11430	.1	3	7	22200	2690	16	8310	160	3	50	1	10	34	2	8	1	53	2.8	69	5	1	3	68	1	
12563	.6	11320	12	1	42	2.8	2	12270	.1	3	6	20500	2760	15	8300	186	2	540	1	10	29	1	19	2	61	3.3	113	5	1	3	55	1	
12564	.4	17510	16	1	85	5.0	2	8080	.1	4	8	24170	5530	21	10200	176	1	70	1	20	19	1	9	4	100	9.5	129	6	1	3	53	2	
12565	.5	11730	31	1	68	2.8	2	15040	.1	21	26	25470	3610	12	6750	230	2	320	28	560	13	4	22	1	75	45.8	87	5	1	5	103	1	
12566	.1	4350	54	1	21	.2	2	27720	.1	38	48	42070	1670	3	2230	384	1	340	49	1070	13	14	56	1	54	73.7	68	2	1	4	89	1	
12567	.1	4140	37	1	197	2.1	1	10950	.1	25	35	32870	2470	1	4270	277	1	250	26	610	21	12	23	1	25	28.4	119	2	1	2	48	1	
12568	.2	3210	28	1	105	1.2	2	7870	.1	3	16	15420	3020	2	1650	198	5	30	1	70	70	22	13	1	31	2.6	149	1	1	3	69	81	
12569	.3	4420	18	1	53	1.4	2	11170	.1	6	11	14650	3540	3	1490	195	8	70	6	150	33	6	21	1	39	9.4	115	1	1	4	96	10	
12570	.4	5340	15	1	61	3.2	2	10730	.1	3	9	18600	3590	3	6430	283	3	80	1	30	34	3	26	2	38	2.7	155	3	1	3	82	2	
12571	.2	3990	15	1	56	1.0	2	8890	.1	2	8	14560	1730	5	4780	214	4	160	3	30	34	6	25	1	32	2.5	114	3	1	4	90	3	
12572	.1	2470	54	1	23	.2	1	7200	.1	32	42	35350	1580	2	1040	204	1	1490	43	1020	26	15	11	1	45	28.3	48	1	1	2	62	1	
* 12573	4.5	9740	233	1	144	.2	4	15870	7.6	27	1150	38460	2850	11	9670	593	17	640	34	820	812	36	111	1	374	62.7	1430	3	1	7	134	30000	
12574	.2	8000	10	1	40	2.7	2	7530	.1	3	11	16470	2090	12	7770	181	1	110	2	30	26	2	19	1	28	3.6	124	3	1	2	63	2	
12575	.3	4220	7	1	74	2.7	2	5550	.1	2	7	12620	1980	5	5580	165	3	110	1	10	28	1	14	1	24	1.7	123	3	1	3	70	1	
12576	.2	5480	13	1	17	.9	2	2030	.1	2	6	11180	720	8	5300	106	1	270	1	10	30	1	5	1	34	1.4	127	5	1	3	77	1	
12577	.5	8630	9	1	24	1.6	2	11190	.1	2	6	12980	1370	14	7890	196	3	190	1	10	26	1	13	2	52	2.0	104	5	1	3	66	2	
12578	.5	6970	11	1	22	1.4	2	10490	.1	2	7	11150	1180	11	6520	151	1	260	1	20	24	1	17	2	45	1.9	117	5	1	3	76	1	
12579	.4	19570	10	1	45	3.1	3	6410	.1	7	10	16550	2570	33	23590	89	1	80	5	50	12	1	9	1	48	12.8	114	4	1	1	40	1	
12580	.5	8190	22	1	35	1.8	2	7340	.1	7	15	15890	1700	11	6750	143	5	240	9	110	28	3	12	1	54	12.0	103	5	1	4	104	1	
12581	.6	7580	31	1	34	2.1	1	9180	.1	8	13	15060	1750	10	5690	141	1	190	10	120	23	4	12	2	49	9.8	97	4	1	3	63	2	
12582	.4	7210	13	1	23	1.1	2	6190	.1	2	6	11230	1050	10	6500	102	4	200	1	30	16	1	7	1	42	2.3	89	5	1	3	86	1	
12583	.4	6970	29	1	32	1.4	2	6580	.1	5	10	11280	1450	9	5550	103	1	220	6	50	23	2	8	1	41	4.5	105	4	1	3	73	1	
12584	.8	14140	35	1	48	3.7	2	14400	.1	10	15	23030	2550	20	12360	227	1	110	11	160	30	1	14	2	55	16.6	110	5	1	2	48	3	
12585	1.1	14130	28	1	51	2.8	3	59090	.1	6	10	24530	2230	21	13570	598	1	90	1	60	19	2	49	1	46	14.1	69	6	1	2	40	1	
12586	.4	19400	5	1	51	3.5	2	5170	.1	3	6	15790	3250	31	21660	85	1	70	1	10	19	1	7	2	55	2.7	127	5	1	1	40	2	
12587	.4	7820	12	1	49	2.0	2	12130	.1	2	7	14640	1390	12	11760	178	4	150	1	10	23	1	24	2	31	2.5	112	4	1	2	54	1	
12588	.5	4270	14	1	18	1.3	2	9930	.1	2	6	10860	810	6	8620	118	1	210	1	10	24	1	20	1	29	1.9	95	4	1	3	58	1	
12589	.3	4980	20	1	18	1.3	3	8690	.1	2	8	13300	1030	8	9190	132	4	610	1	10	32	1	17	2	36	1.9	131	4	1	4	95	1	
12590	.3	4920	13	1	13	1.0	3	6920	.1	1	8	9730	630	9	7160	81	1	200	1	10	27	1	9	1	33	1.6	111	4	1	3	60	2	

* 12573 HAS BEEN RESAMPLED # 13204, 205, 206, 207

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ93+94
DATE: 91/10/17
* ROCK * (ACT:F31)

91-101

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12591	.4	7380	8	1	27	2.2	3	6850	.1	1	6	10780	1400	11	9680	85	3	150	1	10	28	1	10	2	36	1.8	133	4	1	3	66	1	
12592	.3	10580	6	1	30	2.1	3	4690	.1	1	6	10490	1450	17	12060	70	1	420	1	10	21	1	6	1	30	1.7	122	4	1	2	45	1	
12593	.5	14240	12	1	27	2.8	2	13720	.1	5	8	20110	1670	24	15210	218	2	90	1	30	20	1	24	1	33	11.2	114	5	1	2	47	2	
12594	.4	19730	1	1	48	4.2	3	5890	.1	2	7	17530	3150	32	22530	105	1	50	1	10	18	1	11	1	35	2.5	141	5	1	1	41	1	
12595	.5	2390	72	6	41	.2	1	840	2.9	4	26	13060	1060	2	700	61	23	1020	34	190	18	6	2	1	23	19.2	205	1	3	7	168	2	235
12596	.3	3360	46	3	51	.5	1	1210	1.4	4	22	14350	1390	3	1080	87	23	850	29	190	23	6	2	1	32	15.3	183	1	1	6	163	1	195
12597	.6	2150	50	1	72	.1	1	610	.6	4	26	16630	1380	1	230	84	26	1100	25	130	17	8	2	1	26	13.9	167	1	1	7	179	1	335
12598	.4	2180	41	1	79	.1	1	1130	1.6	4	26	15200	1380	1	160	112	33	1620	25	180	14	8	2	1	24	12.8	189	1	1	6	156	2	465
12599	.4	1840	48	1	52	.1	1	1720	3.0	4	28	21460	1040	1	150	135	37	1200	35	290	13	9	3	1	22	16.1	302	1	2	6	175	1	465
12600	.5	3880	66	1	81	.4	1	2990	7.9	7	57	23600	2060	1	550	144	94	1800	66	280	23	12	4	1	36	40.5	670	1	1	5	116	4	735
12601	.1	1990	81	1	45	.1	1	3220	.5	8	29	57100	1110	1	150	158	110	1390	23	260	17	12	5	1	23	17.4	258	1	1	7	184	1	1010
12602	.1	2010	95	1	40	.1	1	9920	.1	7	18	42160	1140	1	200	217	22	2500	13	120	19	9	9	1	25	10.6	131	1	3	5	132	1	1900
12603	.3	2120	92	1	42	.1	1	10410	.1	5	16	29710	1260	1	190	181	18	1320	13	170	12	8	11	1	22	8.2	144	1	1	8	205	2	1000
12604	.9	3540	74	1	73	.5	1	2860	.1	5	26	20450	1950	1	310	115	16	2080	30	470	22	12	4	1	31	11.6	164	1	1	5	129	3	720
12605	.5	1590	54	1	28	.1	1	8580	.1	4	13	25790	860	1	130	155	17	1260	10	320	10	6	10	1	18	5.7	55	1	1	7	187	2	575
12606	.4	1320	78	1	24	.1	1	6750	1.5	6	23	26110	700	1	100	129	22	1610	19	280	17	8	10	1	17	9.3	174	1	1	7	190	1	845
12607	.8	1500	51	1	26	.1	1	7420	1.0	5	22	17080	830	1	160	105	24	1220	28	340	19	8	9	1	17	10.9	191	1	1	7	196	1	520
12608	.8	4550	92	1	64	.7	1	8610	.1	4	22	20100	2350	3	1520	126	32	1190	33	280	32	13	11	1	113	9.1	220	1	1	4	106	2	410
12609	.9	8180	42	1	87	1.4	1	15560	.1	2	9	13900	4510	6	2170	105	19	1460	12	70	23	6	12	1	62	3.5	169	2	2	5	121	1	195
12610	1.1	11430	60	1	90	1.7	2	35590	.1	3	8	20290	4760	12	5620	361	13	1160	7	90	30	6	34	1	77	5.3	116	3	2	3	68	1	235
12611	.2	12570	99	1	175	1.8	1	6480	.1	4	11	43610	5430	13	5500	81	26	940	3	60	37	9	5	1	88	5.3	108	1	1	3	64	2	325
12612	.7	18100	52	1	96	2.6	2	17130	.1	4	11	30970	5810	23	10890	274	11	1530	7	100	30	5	13	1	89	11.0	220	4	1	3	55	1	185
12613	.5	16930	59	1	88	2.9	2	8760	.1	3	9	28740	5320	21	10520	151	15	910	11	90	32	7	7	1	81	7.2	194	5	2	3	66	1	210
12614	.6	16430	48	1	95	2.9	2	5850	.1	3	8	27760	5730	21	9530	108	10	980	11	80	32	7	6	1	91	7.3	156	4	1	3	53	2	200
12615	1.1	13070	31	1	91	2.4	2	25570	.1	3	6	23160	5150	15	7100	271	7	920	1	80	32	4	25	1	74	3.1	122	4	1	3	71	1	165
12616	1.0	12340	52	1	76	1.7	2	27190	.1	4	7	29700	4020	16	8190	279	11	1240	9	70	33	8	29	1	60	4.2	78	4	2	3	73	2	270
12617	.9	9590	58	1	77	.6	1	26930	.1	5	6	34180	3330	12	6270	246	7	1430	1	60	36	7	32	1	50	2.5	68	2	1	3	67	1	325
12618	.7	20350	29	1	114	2.9	2	8800	.1	3	6	24970	6880	26	12640	155	7	1080	1	70	26	4	12	2	93	2.8	114	6	2	3	61	4	145
12619	.9	26060	32	1	134	3.8	2	20190	.1	4	7	35310	7750	34	22580	255	8	1580	1	50	32	4	50	2	79	4.0	92	4	2	1	31	1	215
12620	.7	17260	43	1	92	2.4	1	22470	.1	4	9	34500	5930	19	18120	260	8	890	2	60	23	5	51	1	50	4.6	65	3	1	2	32	2	
12621	.3	25640	55	1	145	3.2	2	5050	.1	5	12	42430	7160	36	17860	200	12	990	14	60	31	9	9	2	75	5.5	132	5	1	1	25	1	
12622	.8	13710	42	1	80	2.1	2	11700	.1	4	7	24230	3880	18	9890	159	9	850	8	80	26	6	17	1	61	3.8	139	4	2	3	69	1	
12623	.6	11550	46	1	79	1.1	1	10200	.1	3	6	26570	3240	15	8170	166	6	820	1	60	24	3	17	1	56	2.2	62	4	1	2	53	1	
12624	.8	13610	31	1	74	1.9	2	11870	.1	3	6	25510	3620	19	9960	192	7	830	1	70	27	3	21	1	65	2.0	102	4	1	2	39	1	
12625	.3	16900	94	10	119	3.5	6	7420	.1	6	13	37850	4070	26	12100	203	8	690	1	60	39	6	13	1	72	3.7	152	5	2	2	19	1	
12626	.3	10890	63	3	74	2.0	4	8050	.1	5	8	34110	3420	14	7050	207	6	630	1	30	42	6	12	1	52	2.3	167	2	2	2	37	2	
12627	.3	8040	124	1	75	2.5	3	7430	.1	5	8	42830	3900	7	7200	231	9	580	1	20	40	7	19	1	39	1.9	194	2	1	2	25	3	
12628	.3	18540	66	1	93	3.4	3	11580	.1	4	8	38840	5550	23	12190	213	8	670	1	40	35	7	23	3	78	2.8	181	5	1	2	28	1	
12629	.6	9480	39	1	62	1.7	3	17860	.1	3	7	22940	2990	10	6220	213	8	670	1	60	28	6	20	1	52	2.7	95	4	1	3	63	1	
12630	1.0	6470	30	1	58	1.1	3	58260	.1	2	7	15620	2090	6	4490	481	10	850	1	60	23	5	56	1	50	3.0	76	4	1	3	59	1	
12631	.8	2500	21	1	30	.3	2	29090	.1	2	6	9130	580	2	1770	284	7	1070	1	60	21	4	32	1	35	5.0	51	2	1	5	133	2	
12632	1.1	4270	13	1	98	.9	3	57970	.1	2	5	8430	1860	3	2040	378	26	700	2	50	20	3	70	1	41	3.1	68	3	1	3	71	1	
12633	.7	9470	14	1	80	2.5	3	10350	.1	2	5	11950	3680	8	4620	149	20	670	2	30	26	2	13	1	67	2.7	140	4	1	3	69	2	
12634	.3	11840	47	1	67	2.3	3	10810	.1	16	21	38350	3250	13	6930	284	3	770	15	480	48	10	13	1	60	31.6	95	3	1	3	68	1	
12635	.3	5640	52	1	46	.7	1	14200	.1	31	39	31890	2150	4	2260	271	3	1090	42	940	18	9	17	1	46	44.9	56	1	1	4	87	2	
12636	.3	6920	55	1	65	1.5	2	12040	.1	24	30	32800	2710	6	3180	314	4	770	30	810	19	9	16	1	51	31.0	81	2	1	3	70	1	
12637	.7	12180	15	1	72	3.0	3	12430	.1	3	8	16400	3600	14	7930	190	3	660	1	50	28	2	15	1	63	4.6	113	5	1	3	63	1	
12638	.6	10130	30	1	56	2.3	3	7770	.1	2	7	12530	2730	11	6240	133	2	840	1	30	30	2	8	1	70	2.5	101	5	1	4	95	2	
12639	.7	11420	22	1	50	2.5	3	11950	.1	2	7	15910	2500	14	7770	184	5	740	1	20	33	1	10	1	75	2.7	107	6	1	7	150	1	
12640	.6	7250	10	1	28	1.5	2	9300	.1	1	7	11180	1360	9	5110	146	3	1030	1	20	29	1	11	1	51	2.0	113	4	1	4	85	1	
12641	.5	11010	12	1	42	2.1	3	8610	.1	2	6	15610	2100	15	7960	170	2	730	1	20	27	2	9	1	72	1.9	122	5	1	4	88	2	
12642	.5	12500	11	1	76	2.8	3	3170	.1	2	6	17570	2720	16	8350	146	2	930	1	30	35	2	4	2	77	1.6	141	6	1	3	50	1	
12643	.5	8750	13	1	37	1.8	3	2630	.1	2	6	13150	1620	11	6020	111	3	1350	1	10	34	2	3	1	72	1.4	120	5	1	5	103	1	
12644	.6	9060	14	1	52	2.3	3	3490	.1	2	7	12430	2370	11	5480	101	2	810	1	40	34	2	5	3	73	2.1	125	5	1	4	79	1	
12645	.8	6030	14	1	21	.8	2	16700	.1	2	6	11010	770	8	4670	248	4	970	3	30	32	2	24	1	50	4.2	112	5	1	5	120	2	
12646	.8	7390	18	1	42	1.9	2	6840	.1	4	9	11710	1920	8	4460	129	3	1010	6	90	34	3	11	1	68	6.7	111	6	1	4	77	1	

COMP: COPELAND REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: MARK REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0699-RJ1
DATE: 91/09/09
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
13204	1.1	2210	82	6	53	.3	2	20460	.1	37	55	39710	1350	5	980	352	1	330	44	1240	9	13	34	1	60	27.9	39	1	1	2	56
13205	.2	3530	106	1	62	.5	1	14720	.1	55	75	50190	2310	2	2000	310	1	400	85	1210	10	28	27	1	62	35.8	58	1	1	2	59
13206	.2	4320	71	1	59	1.0	1	10370	.1	43	54	44950	2700	1	1610	268	1	410	61	1200	5	19	18	1	65	44.1	48	1	1	3	77
13207	.5	3570	32	1	49	1.3	1	9850	.1	33	46	26860	2130	2	1400	168	2	380	41	1000	13	7	15	1	45	35.6	69	1	1	3	70

COMP: COPELAND REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: MARK REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

21-101

FILE NO: 1S-0563-X.
DATE: 91/09/
* REJECTS * (ACT:F3

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
12572 SPLIT B	.2	5280	66	4	39	.8	1	8240	.1	34	50	37790	2730	2	1280	216	1	1000	43	1060	23	19	12	1	134	63.2	57	1	1	6	126
12573 SPLIT B	.1	5550	59	1	46	1.0	1	12290	.1	36	51	37020	2900	2	1710	256	1	860	48	1000	19	22	22	1	136	61.5	56	1	1	5	101
12574 SPLIT B	.4	10730	15	1	63	3.2	2	7170	.1	3	9	14980	3560	11	7010	158	1	420	2	80	27	6	17	7	68	4.8	115	4	1	4	68

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

91-101

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0563-RA1

Company: COPELAND REBAGLIATI & ASSOC.
Project: 9101
Attn: MARK REBAGLIATI

Date: SEP-03-91
Copy 1. COPELAND REBAGLIATI, VANCOUVER, B.C.
2. COPELAND REBAGLIATI, C/O MIN-EN LABS.

We hereby certify the following Assay of 1 CORE samples submitted AUG-26-91 by DARREN WILSON.

Sample Number	AU g/tonne	AU oz/ton	
12573	32.00	.933	— checked and found to be untrue result

Certified by _____

MIN-EN VIRONMENTAL LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

91-101

Assay Certificate

1S-0563-XA1

Company: COPELAND REBAGLIATI & ASSOC.
Project: 9101
Attn: MARK REBAGLIATI 91-101

Date: SEP-08-91

We hereby certify the following Assay of 3 REJECT samples submitted SEP-05-91 by MARK REBAGLIATI.

Sample Number	*AU G/TONNE	*AU OZ/TON	*AU OZ/TON	*AU G/TONNE
12572 SPLIT B	.04	.002	.002	.05
12573 SPLIT B	.01	.001	.001	.01
12574 SPLIT B	.01	.001	.001	.01

Certified by

MIN-EN VIRONMENTS LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

91-101

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Assay Certificate

1S-0699-RA1

Company: COPELAND REBAGLIATI & ASSOC.
Project: 9101
Attn: MARK REBAGLIATI

Date: SEP-09-91
Copy 1. COPELAND REBAGLIATI, VANCOUVER, B.C.
2. COPELAND REBAGLIATI, C/O MIN-EN LABS.

We hereby certify the following Assay of 4 CORE samples submitted SEP-06-91 by DARREN WILSON.

Sample Number	*AU-FIRE g/tonne	*AU-FIRE oz/ton
13204	.01	.001
13205	.01	.001
13206	.01	.001
13207	.01	.001

*AU = 1 ASSAY TON.

Certified by _____

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-102
PAGE 1 OF 9

TESTS

Meterage	Dip	Azimuth
0	-45.5°	145°
60.96	-44.5	143°
112.47	-44	141°

COLLAR SURVEY:

Northing: 9585.72
Easting: 9623.22
Elevation: 1033.34
Azimuth: 149°
Dip: -45°
IP Grid Coordinates: 9567N 9617E

CORE BQTW

Section: 9586N
Date Started: Aug 20/91
Date Finnished: Aug 21/91
Date Logged: Aug 23/91

Total Depth: 112.47
Casing Depth 3.05
Casing Left In: YES
Logged By: M ARCHAMBAULT
Comments:

SAMPLE NUMBERS

12595 To 12649
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	3.05	CASING
3.05	29.7	BLACK CHERT - CHERT BRECCIA (3.3) +/- SULPHIDIC MUDSTONE AND CHERT (3.5)
		7.0 - 7.5 TURBIDITIC MUDSTONE (3.6)
		Lithology: 3.05 - 13.3 Fragments of black chert, grey siltstone and pyrite laminations from the sulphidic mudstone with a trace of white siliceous fragments.
		Fragments are from <1mm to 2 cm in general but the black cherty fragments are dominant and up to 10 cm. Some of the black fragments appear to be a siliceous mudstone with silty beds <1cm thick.
		The matrix is black to dark grey and cherty, and pyrite in places and forms ≈ 40-50%
		Structure: 3.05 - 6.8 - Fractured 12-15/m
		Slickenside: 7.4 m 20°&60° to c.a. 11.2 m 45° to c.a
		7.9 m 20° to c.a 12.2 20° to c.a.
		9.2 m 20° to c.a
		10. m 20° to c.a
		10.3 m 20° to c.a.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-102 PAGE 2 OF 9
		Alteration: — limonite on fracture surface	
		Mineralization: Pyritic fragments ≈ 1%	
		Pyritic matrix and veinlets 11.5 - 13.3 m ≈ 1%	
		Veinlets = pyrite blebs in irregular veinlet quartz, veinlet < 2 mm wide	
		Lithology: 13.3 - 15.0 Black, very hard, generally massive with syngenetic? pyrite bands at 13.3 m and 14.5 m	
		With beds oriented 60° to c.a.	
		Structure Slickenside 14.0 m 20° to c.a.	Alteration: White quartz veinlets < 1 mm wide ≈ < 1%
		14.4 m 50° to c.a.	Mineralization: Syngenetic pyrite beds < 1%
		Lithology: 15.0 - 29.7 Dominated by large fragments of cherty mudstone, some fragments with silty laminations	
		and minor silty fragments and pyrite fragments	
		Matrix is black siliceous and pyritic in places and forms approximately 40%	
		Structure: Slickenside: 15 m 30° & 45° to c.a.	18.3 m 0° & 30° in different orientations
		15-16 m 0 & 20° to c.a.	21.8 m 0° to c.a.
		16.8 60° to c.a.	22.6 m 23.1 m 0° & 20° to c.a.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-102 PAGE 3 OF 9
		Structure: 25.5 m 30° to c.a.	28.5 m 55° to c.a.
		28.0 m 0° to c.a.	Bedding 23.5 m 0° to c.a.
		Alteration: Hydrothermal brecciation	
		Minor calcite alt of part of the matrix <1%	
		Minor quartz-calcite crackle veinlets <1%	
		Mineralization: Syngenetic pyrite beds <1%	
		Pyrite (massive) in the matrix and as fragments ≈ 3%	
		16-16.3 Secondary massive pyrite band ≈ 30% parallel to c.a.	
29.7	41.0	BLACK CHERT - CHERT BRECCIA (3.3)	
41.0	52.0	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)	
		Lithology: 29.7-45.1 Dark greyish black, soft with some silty fragments 2 mm to 1 cm in diameter down to approximately 42 m ≈ 10%	
		Tuff also contains some green lapilli of the same composition generally <1 mm up to 5 mm and rarely up to 5 cm.	
		Structure: Weakly foliated: 31.5 m 30° to c.a.	Fractures slickensides 34.7 50° to c.a.
		33.0 m 10°	36.3-36.6 0°-45° to c.a.
		36.0 m 25°	37.5-40° numerous slickensides 0-45° to c.a.
		42.5 m 60°-70°	43.0 & 44.0 ≈45° to c.a.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-102 PAGE 4 OF 9
		Alteration: Moderate chlorite alteration of the tuff, and andesitic fragments. Weak pervasive calcite
		Mineralization: Wispy pyrite veinlets and blebs in the tuff matrix a cabbage fraction = trace
52.0	56.0	TURBIDITIC MUDSTONE (3.6) +/- GREEN-BLACK RHYOLITE FRAGMENTAL AND CHERT BRECCIA (3.4)
		Lithology: 45.1 to 64.0 Gradational with the previous unit the tuff contains black cherty fragments and medium green dacitic fragments - Approximately 70% cherty fragments and 15-40% dacitic fragments. Dacitic lapilli vary from 2mm to 5cm in diameter. Cherty fragments are ≤ 5mm. Matrix is dark siliceous tuff: 50.5-57.6 - Andesitic at 29.7-45.1
		Structure: Slickenside 45.4-45.7m 20° & 40° to c.a. Shear zone: 51.5-56.1 generally 0° to c.a.
		47m 30 & 40° 62.9 35° to c.a.
		49.2 50° 63.2 20° to c.a.
		60.4 40° 63.5 45° to c.a.
		Alteration: Moderate silicification of the tuffaceous matrix
		Mineralization: Wispy pyrite veinlets in the tuffaceous matrix <1%
56.0	69.0	BLACK-GREEN RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
69.0	73.5	BLACK-GREEN RHYOLITIC FRAGMENTAL AND CHERT BRECCIA - LAPILLI - SERICITE (3.4 L.a.)
		Lithology: 64.0-71.6 Pale greenish beige lapilli in a dark grey to black matrix. Lapilli are <1mm up to 2cm in diameter generally 5mm to 1cm. They form 40% of the rock. Moderately foliated

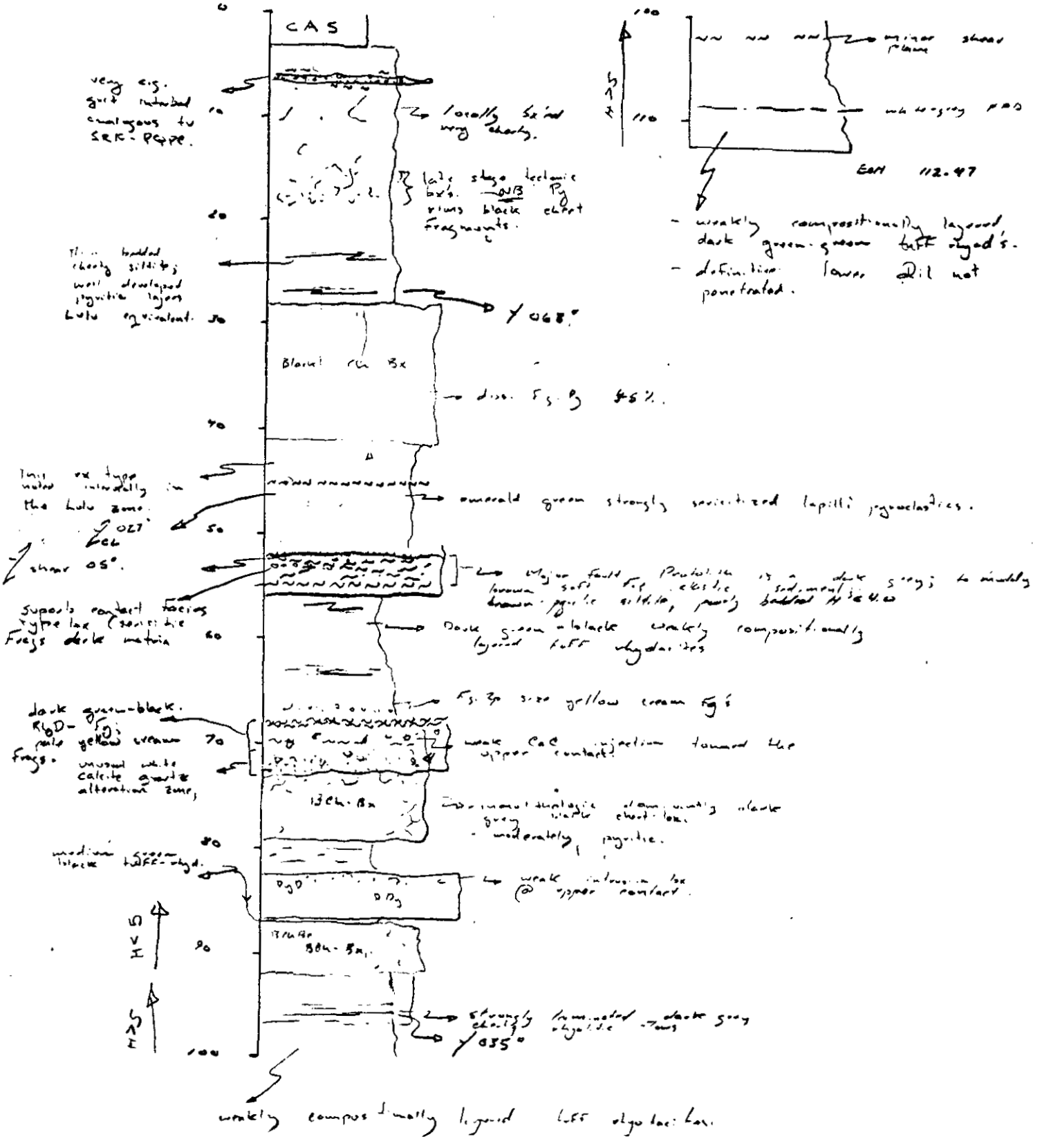
METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-102 PAGE 5 OF 9
		Structure: Foliation 30° to c.a.	
		67.8 – 71.6 Fault gouge, numerous slickensides 10° – 45° to c.a.	
		Alteration: Weak sericite of the fragments, chlorite of the matrix	
		Mineralization: Wispy blebs and veinlets in the matrix ≈ 1%	
73.5	79.4	BLACK CHERT – CHERT BRECCIA (3.3)	
		Lithology: 71.6 – 78.3 Fragments of grey chert and black chert in a dark grey siliceous matrix	
		Texture and grain size variable throughout	
		On general brecciated, faulted and altered	
		Structure: Tectonically brecciated Slickensides 71.9 30° to c.a.	
		71.6 → 72.8 Numerous slickensides 0 – 40° to c.a.	
		73.1 – 30 & 40° to c.a.	
		73.1 – 75.9 several slickensides 20° – 30° – 45° & 40° to c.a.	
		77.4 – 78.3 Rock is crushed and held together by quartz calcite stockwork.	
		Alteration: Pervasive calcite = strong	
		Quartz – calcite veinlets 77.4 – 78.3 ≈ 5 – 10%	
		71.6 – 77.4 ≈ 2%	
		Mineralization: Trace pyrite blebs	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-102 PAGE 6 OF 9
		78.3-79.4	
		Lithology: Pale greenish grey dacitic fragments (5%) and (95%) black chert/mudstone fragments < 5mm in diameter in a black matrix	
		Wispy to foliated texture due to fault zone	
		Structure: Faulted contacts	
		Fault zone, numerous slickensides 78.3-79.4, 0-40° to c.a	
		Foliation 40° to c.a.	
		Alteration —	
		Mineralization: —	
79.4	83.0	GREEN - BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)	
		79.4-81.3	
		Lithology: Dacitic lapilli tuff is medium greenish grey with 30-40% lapilli generally 2-5 mm in diameter but up to 3 cm, medium hard, in a dark green tuffaceous matrix	
		Intercallated with short rhyolite flow & flow breccia, medium grey massive to mottled	
		Structure: Slightly foliated 40° to c.a	
		Fault 60° to c.a at 81.1m	
		Alteration: Weak - moderate sericite of tuff and fragments	
		Mineralization: —	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-102 PAGE 7 OF 9
		81.3 - 83.0	
		Lithology: Volcaniclastic breccia with tuffaceous, chloritic and black chert fragments in an mafic tuffaceous matrix, with large rounded hydrolastic dyke fragments. The dyke fragments are from 1 mm up to 5 cm in diameter and show a 1 mm reaction rim. They form ≈ 35% of the interval. Other fragments form ≈ 13%.	
		Structure: Foliation 20 - 30° To c.a.	
		Slickensides 82.9 = 20 - 30° To c.a.	
		Alteration: Weak albite and sericite. Calcite around dyke fragments.	
		Mineralization: 2% disseminated pyrite & blebs in matrix.	
83.0	86.3	DIORITE DYKE (6.1)	
		Lithology: Massive, medium grey, aphanitic to fine grained with large rounded fragments and minor breccia as above (81.3 - 83.0)	
		Structure: Sharp irregular contacts.	
		Alteration: Weak pervasive calcite.	
		Mineralization: Lots irregular pyrite veinlets ≈ 3%	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-102 PAGE 8 OF 9
86.3	92.0	BLACK CHERT - CHERT BRECCIA (3.3)
		Lithology: 86.3-87.5 Dark green to black, spherulitic chert, mottled to foliated
		Structure: Foliation 40° to c.a.
		Alteration: Weak sericite
		Mineralization: Pyrite, pyrite in foliation up to 2%
92.0	97.0	CHERTY RHYOLITE FLOW (3.2) +/- GREEN-BLACK RHYOLITIC FLOW (3.2)
97.0	112.47	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
		Lithology: 87.5-105.5 Similar to the previous unit, but darker. Generally black, soft to dark, mottled to black fragmental to massive. Black fragments are from 1 mm to 1 cm in diameter angular to sub-angular in a black matrix of similar composition. All units grade into each other. They become cherty around 101.5 m and become gradually more rhyolitic around 106 m.
		Structure: Fault zone 98.3 - 98.7m - 0° to c.a.
		100.9 0° to c.a.
		Alteration: Weak sericitization of the tuffaceous component. Weak calcite in places (pervasive) <1%
		Mineralization: —

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-102 PAGE 9 OF 9
		105.5 – 110.9	
		Lithology: Massive to slightly intobrecciated, medium grey. Minor tuffaceous component	
		Structure: Fault 106.2 30° to c.a.	Alteration: Weak sericite
		110.1 10-30° to c.a.	Mineralization: Trace disseminated pyrite in the tuffaceous component
		110.9 – 112.47	
		Lithology: Generally black with greenish grey patches of rhyolite ≈ 30% Matrix is either glassy or cherty and aphanitic, and foliated	
		Structure: Foliated 35° to c.a	
		Alteration: Weak sericite alteration of the rhyolitic component	
		Mineralization —	
		112.47 End of hole	


CAS
very cig. grit interbed analogous to SRK-PQPP.
locally Sx and very cherty.
lots stage lecture Py bxs. OVB Py rims black chert fragments.
thin bedded cherty siltst; well developed pyritic layers Lulu equivalent.
Y 068°
Blank rch Bx
diss. Fs. Py 45%.
Inst. ex type water intervally in the Lulu zone.
Y 027°
emerald green strongly sericitized lapilli pyroclastics.
shear 05°.
major fault Pr. Probable is dark grey to mottled brown soft Fg. clastic sediment to mottled brown pyritic siltst, poorly bedded
superb contact facies type lax (sericitic Frags dark matrix
Dark green-black weakly compositionally layered tuff ohydacites
Fs. Py size yellow cream Fg's
dark green-black. RgD-Fg; pale yellow cream Frags.
unusual white calcite quartz alteration zone;
weak upper CaC injection toward the upper contact.
BCh-Bx
Sedimentary stratigraphic clam-mostly black grey with chert lots - moderately pyritic.
medium black tuff-ohyd.
weak intrusion lax @ upper contact.
BCh-Bx
strongly laminated chertly pyritic rocks black grey
Y 035°
weakly compositionally layered tuff ohydacites.
EOH 112.47
weakly compositionally layered dark green-green tuff ohyd's.
- definitive lower Dil not penetrated.
minor shear plane
whitish grey PRD

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-102	12595	3.05	5.00	1.95	-	-	2	-	-	0.5	72	6	41	235	26	18	205	13060	840
91-102	12596	5.00	7.00	2.00	-	-	1	-	-	0.3	46	6	51	195	22	23	183	14350	1210
91-102	12597	7.00	9.00	2.00	-	-	1	-	-	0.6	50	8	72	335	26	17	167	16630	610
91-102	12598	9.00	11.00	2.00	-	-	2	-	-	0.4	41	8	79	465	26	14	189	15200	1130
91-102	12599	11.00	13.00	2.00	-	-	1	-	-	0.4	48	9	52	465	28	13	302	21460	1720
91-102	12600	13.00	15.00	2.00	-	-	4	-	-	0.5	66	12	81	735	57	23	670	23600	2990
91-102	12601	15.00	17.00	2.00	-	-	1	-	-	0.1	81	12	45	1010	29	17	258	57100	3220
91-102	12602	17.00	19.00	2.00	-	-	1	-	-	0.1	95	9	40	1900	18	19	131	42160	9920
91-102	12603	19.00	21.00	2.00	-	-	2	-	-	0.3	92	8	42	1000	16	12	144	29710	10410
91-102	12604	21.00	23.00	2.00	-	-	3	-	-	0.9	74	12	73	720	26	22	164	20450	2860
91-102	12605	23.00	25.00	2.00	-	-	2	-	-	0.5	54	6	28	575	13	10	55	25790	8580
91-102	12606	25.00	27.00	2.00	-	-	1	-	-	0.4	78	8	24	845	23	17	174	26110	6750
91-102	12607	27.00	29.00	2.00	-	-	1	-	-	0.8	51	8	26	520	22	19	191	17080	7420
91-102	12608	29.00	31.00	2.00	-	-	2	-	-	0.8	92	13	64	410	22	32	220	20100	8610
91-102	12609	31.00	33.00	2.00	-	-	1	-	-	0.9	42	6	87	195	9	23	169	13900	15560
91-102	12610	33.00	35.00	2.00	-	-	1	-	-	1.1	60	6	90	235	8	30	116	20290	35590
91-102	12611	35.00	37.00	2.00	-	-	2	-	-	0.2	99	9	175	325	11	37	108	43610	6480
91-102	12612	37.00	39.00	2.00	-	-	1	-	-	0.7	52	5	96	185	11	30	220	30970	17130
91-102	12613	39.00	41.00	2.00	-	-	1	-	-	0.5	59	7	88	210	9	32	194	28740	8760
91-102	12614	41.00	43.00	2.00	-	-	2	-	-	0.6	48	7	95	200	8	32	156	27760	5850
91-102	12615	43.00	45.00	2.00	-	-	1	-	-	1.1	31	4	91	165	6	32	122	23160	25570
91-102	12616	45.00	47.00	2.00	-	-	2	-	-	1.0	52	8	76	270	7	33	78	29700	27190
91-102	12617	47.00	49.00	2.00	-	-	1	-	-	0.9	58	7	77	325	6	36	68	34180	26930
91-102	12618	49.00	51.00	2.00	-	-	4	-	-	0.7	29	4	114	145	6	26	114	24970	8800
91-102	12619	51.00	53.00	2.00	-	-	1	-	-	0.9	32	4	134	215	7	32	92	35310	20190
91-102	12620	53.00	55.00	2.00	-	-	2	-	-	0.7	43	5	92	-	9	23	65	34500	22470
91-102	12621	55.00	57.00	2.00	-	-	1	-	-	0.3	55	9	145	-	12	31	132	42430	5050
91-102	12622	57.00	59.00	2.00	-	-	1	-	-	0.8	42	6	80	-	7	26	139	24230	11700
91-102	12623	59.00	61.00	2.00	-	-	1	-	-	0.6	46	3	79	-	6	24	62	26570	10200
91-102	12624	61.00	63.00	2.00	-	-	1	-	-	0.8	31	3	74	-	6	27	102	25510	11870
91-102	12625	63.00	65.00	2.00	-	-	1	-	-	0.3	94	6	119	-	13	39	152	37850	7420
91-102	12626	65.00	67.00	2.00	-	-	2	-	-	0.3	63	6	74	-	8	42	167	34110	8050
91-102	12627	67.00	69.00	2.00	-	-	3	-	-	0.3	124	7	75	-	8	40	194	42830	7430
91-102	12628	69.00	71.00	2.00	-	-	1	-	-	0.3	66	7	93	-	8	35	181	38840	11580
91-102	12629	71.00	73.00	2.00	-	-	1	-	-	0.6	39	6	62	-	7	28	95	22940	17860
91-102	12630	73.00	75.00	2.00	-	-	1	-	-	1.0	30	5	58	-	7	23	76	15620	58260
91-102	12631	75.00	77.00	2.00	-	-	2	-	-	0.8	21	4	30	-	6	21	51	9130	29090
91-102	12632	77.00	79.00	2.00	-	-	1	-	-	1.1	13	3	98	-	5	20	68	8430	57970
91-102	12633	79.00	81.00	2.00	-	-	2	-	-	0.7	14	2	80	-	5	26	140	11950	10350
91-102	12634	81.00	83.00	2.00	-	-	1	-	-	0.3	47	10	67	-	21	48	95	38350	10810
91-102	12635	83.00	85.00	2.00	-	-	2	-	-	0.3	52	9	46	-	39	18	56	31890	14200
91-102	12636	85.00	87.00	2.00	-	-	1	-	-	0.3	55	9	65	-	30	19	81	32800	12040
91-102	12637	87.00	89.00	2.00	-	-	1	-	-	0.7	15	2	72	-	8	28	113	16400	12430
91-102	12638	89.00	91.00	2.00	-	-	2	-	-	0.6	30	2	56	-	7	30	101	12530	7770
91-102	12639	91.00	93.00	2.00	-	-	1	-	-	0.7	22	1	50	-	7	33	107	15910	11950
91-102	12640	93.00	95.00	2.00	-	-	1	-	-	0.6	10	1	28	-	7	29	113	11180	9300
91-102	12641	95.00	97.00	2.00	-	-	2	-	-	0.5	12	2	42	-	6	27	122	15610	8610
91-102	12642	97.00	99.00	2.00	-	-	1	-	-	0.5	11	2	76	-	6	35	141	17570	3170
91-102	12643	99.00	101.00	2.00	-	-	1	-	-	0.5	13	2	37	-	6	34	120	13150	2630
91-102	12644	101.00	103.00	2.00	-	-	1	-	-	0.6	14	2	52	-	7	34	125	12430	3490
91-102	12645	103.00	105.00	2.00	-	-	2	-	-	0.8	14	2	21	-	6	32	112	11010	16700

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-102	12646	105.00	107.00	2.00	-	-	1	-	-	0.8	18	3	42	-	9	34	111	11710	6840
91-102	12647	107.00	109.00	2.00	-	-	2	-	-	0.7	15	2	38	-	7	31	107	13350	8110
91-102	12648	109.00	111.00	2.00	-	-	1	-	-	1.2	17	3	33	-	11	26	98	10620	12970
91-102	12649	111.00	112.47	1.47	-	-	1	-	-	0.9	17	3	57	-	8	33	146	12320	4970

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ93+94
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12591	.4	7380	8	1	27	2.2	3	6850	.1	1	6	10780	1400	11	9680	85	3	150	1	10	28	1	10	2	36	1.8	133	4	1	3	66	1	
12592	.3	10580	6	1	30	2.1	3	4690	.1	1	6	10490	1450	17	12060	70	1	420	1	10	21	1	6	1	30	1.7	122	4	1	2	45	1	
12593	.5	14240	12	1	27	2.8	2	13720	.1	5	8	20110	1670	24	15210	218	2	90	1	30	20	1	24	1	33	11.2	114	5	1	2	47	2	
12594	.4	19730	1	1	48	4.2	3	5890	.1	2	7	17530	3150	32	22530	105	1	50	1	10	18	1	11	1	35	2.5	141	5	1	1	41	1	
12595	.5	2390	72	6	41	.2	1	840	2.9	4	26	13060	1060	2	700	61	23	1020	34	190	18	6	2	1	23	19.2	205	1	3	7	168	2	235
12596	.3	3360	46	3	51	.5	1	1210	1.4	4	22	14350	1390	3	1080	87	23	850	29	190	23	6	2	1	32	15.3	183	1	1	6	163	1	195
12597	.6	2150	50	1	72	.1	1	610	.6	4	26	16630	1380	1	230	84	26	1100	25	130	17	8	2	1	26	13.9	167	1	1	7	179	1	335
12598	.4	2180	41	1	79	.1	1	1130	1.6	4	26	15200	1380	1	160	112	33	1620	25	180	14	8	2	1	24	12.8	189	1	1	6	156	2	465
12599	.4	1840	48	1	52	.1	1	1720	3.0	4	28	21460	1040	1	150	135	37	1200	35	290	13	9	3	1	22	16.1	302	1	2	6	175	1	465
12600	.5	3880	66	1	81	.4	1	2990	7.9	7	57	23600	2060	1	550	144	94	1800	66	280	23	12	4	1	36	40.5	670	1	1	5	116	4	735
12601	.1	1990	81	1	45	.1	1	3220	.5	8	29	57100	1110	1	150	158	110	1390	23	260	17	12	5	1	23	17.4	258	1	1	7	184	1	1010
12602	.1	2010	95	1	40	.1	1	9920	.1	7	18	42160	1140	1	200	217	22	2500	13	120	19	9	9	1	25	10.6	131	1	3	5	132	1	1900
12603	.3	2120	92	1	42	.1	1	10410	.1	5	16	29710	1260	1	190	181	18	1320	13	170	12	8	11	1	22	8.2	144	1	1	8	205	2	1000
12604	.9	3540	74	1	73	.5	1	2860	.1	5	26	20450	1950	1	310	115	16	2080	30	470	22	12	4	1	31	11.6	164	1	1	5	129	3	720
12605	.5	1590	54	1	28	.1	1	8580	.1	4	13	25790	860	1	130	155	17	1260	10	320	10	6	10	1	18	5.7	55	1	1	7	187	2	575
12606	.4	1320	78	1	24	.1	1	6750	1.5	6	23	26110	700	1	100	129	22	1610	19	280	17	8	10	1	17	9.3	174	1	1	7	190	1	845
12607	.8	1500	51	1	26	.1	1	7420	1.0	5	22	17080	830	1	160	105	24	1220	28	340	19	8	9	1	17	10.9	191	1	1	7	196	1	520
12608	.8	4550	92	1	64	.7	1	8610	.1	4	22	20100	2350	3	1520	126	32	1190	33	280	32	13	11	1	113	9.1	220	1	1	4	106	2	410
12609	.9	8180	42	1	87	1.4	1	15560	.1	2	9	13900	4510	6	2170	105	19	1460	12	70	23	6	12	1	62	3.5	169	2	2	5	121	1	195
12610	1.1	11430	60	1	90	1.7	2	35590	.1	3	8	20290	4760	12	5620	361	13	1160	7	90	30	6	34	1	77	5.3	116	3	2	3	68	1	235
12611	.2	12570	99	1	175	1.8	1	6480	.1	4	11	43610	5430	13	5500	81	26	940	3	60	37	9	5	1	88	5.3	108	1	1	3	64	2	325
12612	.7	18100	52	1	96	2.6	2	17130	.1	4	11	30970	5810	23	10890	274	11	1530	7	100	30	5	13	1	89	11.0	220	4	1	3	55	1	185
12613	.5	16930	59	1	88	2.9	2	8760	.1	3	9	28740	5320	21	10520	151	15	910	11	90	32	7	7	1	81	7.2	194	5	2	3	66	1	210
12614	.6	16430	48	1	95	2.9	2	5850	.1	3	8	27760	5730	21	9530	108	10	980	11	80	32	7	6	1	91	7.3	156	4	1	3	53	2	200
12615	1.1	13070	31	1	91	2.4	2	25570	.1	3	6	23160	5150	15	7100	271	7	920	1	80	32	4	25	1	74	3.1	122	4	1	3	71	1	165
12616	1.0	12340	52	1	76	1.7	2	27190	.1	4	7	29700	4020	16	8190	279	11	1240	9	70	33	8	29	1	60	4.2	78	4	2	3	73	2	270
12617	.9	9590	58	1	77	.6	1	26930	.1	5	6	34180	3330	12	6270	246	7	1430	1	60	36	7	32	1	50	2.5	68	2	1	3	67	1	325
12618	.7	20350	29	1	114	2.9	2	8800	.1	3	6	24970	6880	26	12640	155	7	1080	1	70	26	4	12	2	93	2.8	114	6	2	3	61	4	145
12619	.9	26060	32	1	134	3.8	2	20190	.1	4	7	35310	7750	34	22580	255	8	1580	1	50	32	4	50	2	79	4.0	92	4	2	1	31	1	215
12620	.7	17260	43	1	92	2.4	1	22470	.1	4	9	34500	5930	19	18120	260	8	890	2	60	23	5	51	1	50	4.6	65	3	1	2	32	2	
12621	.3	25640	55	1	145	3.2	2	5050	.1	5	12	42430	7160	36	17860	200	12	990	14	60	31	9	9	2	75	5.5	132	5	1	1	25	1	
12622	.8	13710	42	1	80	2.1	2	11700	.1	4	7	24230	3880	18	9890	159	9	850	8	80	26	6	17	1	61	3.8	139	4	2	3	69	1	
12623	.6	11550	46	1	79	1.1	1	10200	.1	3	6	26570	3240	15	8170	166	6	820	1	60	24	3	17	1	56	2.2	62	4	1	2	53	1	
12624	.8	13610	31	1	74	1.9	2	11870	.1	3	6	25510	3620	19	9960	192	7	830	1	70	27	3	21	1	65	2.0	102	4	1	2	39	1	
12625	.3	16900	94	10	119	3.5	6	7420	.1	6	13	37850	4070	26	12100	203	8	690	1	60	39	6	13	1	72	3.7	152	5	2	2	19	1	
12626	.3	10890	63	3	74	2.0	4	8050	.1	5	8	34110	3420	14	7050	207	6	630	1	30	42	6	12	1	52	2.3	167	2	2	2	37	2	
12627	.3	8040	124	1	75	2.5	3	7430	.1	5	8	42830	3900	7	7200	231	9	580	1	20	40	7	19	1	39	1.9	194	2	1	2	25	3	
12628	.3	18540	66	1	93	3.4	3	11580	.1	4	8	38840	5550	23	12190	213	8	670	1	40	35	7	23	3	78	2.8	181	5	1	2	28	1	
12629	.6	9480	39	1	62	1.7	3	17860	.1	3	7	22940	2990	10	6220	213	8	670	1	60	28	6	20	1	52	2.7	95	4	1	3	63	1	
12630	1.0	6470	30	1	58	1.1	3	58260	.1	2	7	15620	2090	6	4490	481	10	850	1	60	23	5	56	1	50	3.0	76	4	1	3	59	1	
12631	.8	2500	21	1	30	.3	2	29090	.1	2	6	9130	580	2	1770	284	7	1070	1	60	21	4	32	1	35	5.0	51	2	1	5	133	2	
12632	1.1	4270	13	1	98	.9	3	57970	.1	2	5	8430	1860	3	2040	378	26	700	2	50	20	3	70	1	41	3.1	68	3	1	3	71	1	
12633	.7	9470	14	1	80	2.5	3	10350	.1	2	5	11950	3680	8	4620	149	20	670	2	30	26	2	13	1	67	2.7	140	4	1	3	69	2	
12634	.3	11840	47	1	67	2.3	3	10810	.1	16	21	38350	3250	13	6930	284	3	770	15	480	48	10	13	1	60	31.6	95	3	1	3	68	1	
12635	.3	5640	52	1	46	.7	1	14200	.1	31	39	31890	2150	4	2260	271	3	1090	42	940	18	9	17	1	46	44.9	56	1	1	4	87	2	
12636	.3	6920	55	1	65	1.5	2	12040	.1	24	30	32800	2710	6	3180	314	4	770	30	810	19	9	16	1	51	31.0	81	2	1	3	70	1	
12637	.7	12180	15	1	72	3.0	3	12430	.1	3	8	16400	3600	14	7930	190	3	660	1	50	28	2	15	1	63	4.6	113	5	1	3	63	1	
12638	.6	10130	30	1	56	2.3	3	7770	.1	2	7	12530	2730	11	6240	133	2	840	1	30	30	2	8	1	70	2.5	101	5	1	4	95	2	
12639	.7	11420	22	1	50	2.5	3	11950	.1	2	7	15910	2500	14	7770	184	5	740	1	20	33	1	10	1	75	2.7	107	6	1	7	150	1	
12640	.6	7250	10	1	28	1.5	2	9300	.1	1	7	11180	1360	9	5110	146	3	1030	1	20	29	1	11	1	51	2.0	113	4	1	4	85	1	
12641	.5	11010	12	1	42	2.1	3	8610	.1	2	6	15610	2100	15	7960	170	2	730	1	20	27	2	9	1	72	1.9	122	5	1	4	88	2	
12642	.5	12500	11	1	76	2.8	3	3170	.1	2	6	17570	2720	16	8350	146	2	930	1	30	35	2	4	2	77	1.6	141	6	1	3	50	1	
12643	.5	8750	13	1	37	1.8	3	2630	.1	2	6	13150	1620	11	6020	111	3	1350	1	10	34	2	3	1	72	1.4	120	5	1	5	103	1	
12644	.6	9060	14	1	52	2.3	3	3490	.1	2	7	12430	2370	11	5480	101	2	810	1	40	34	2	5	3	73	2.1	125	5	1	4	79	1	
12645	.8	6030	14	1	21	.8	2	16700	.1	2	6	11010	770	8	4670	248	4	970	3	30	32	2	24	1	50	4.2	112	5	1	5	120	2	
12646	.8	7390	18	1	42	1.9	2	6840	.1	4	9	11710	1920	8	4460	129	3	1010	6	90	34	3	11	1	68	6.7	111	6	1	4	77	1	

91-102

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ95+9
DATE: 91/10/1
* ROCK * (ACT:F31

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12647	.7	9410	15	1	38	1.8	3	8110	.1	2	7	13350	1850	12	6640	152	2	860	1	20	31	2	14	2	64	2.2	107	6	1	5	105	2	
12648	1.2	6610	17	1	33	1.6	2	12970	.1	5	11	10620	1780	7	4050	182	3	1040	7	70	26	3	20	1	61	7.9	98	4	1	4	93	1	
12649	.9	12020	17	1	57	3.1	2	4970	.1	2	8	12320	3550	13	7690	95	4	760	1	40	33	3	7	3	77	2.1	146	6	1	4	70	1	
12650	4.5	5600	613	11	164	.1	1	8150	.1	14	150	37670	3550	1	520	245	1	710	1	1520	863	8	29	1	35	14.2	651	1	1	3	70	588	
12651	2.1	5330	1381	7	155	.1	1	5440	.1	11	48	31730	3350	1	420	62	1	750	1	1360	122	8	12	1	30	15.0	419	1	1	3	73	630	
12652	2.4	5870	605	6	180	.1	1	6530	.1	12	45	36470	3450	1	1010	288	1	110	1	1250	361	5	17	1	27	14.7	244	1	1	3	68	356	
12653	10.5	8220	428	7	104	.1	1	6960	24.0	16	239	71070	4600	2	2060	621	1	190	1	1350	2850	23	17	1	40	23.1	4740	1	1	1	68	355	
12654	.9	8660	66	6	264	.1	1	6950	.1	14	53	41960	5240	1	2380	964	1	170	1	1170	335	1	23	1	33	13.8	495	1	1	2	49	116	
12655	.1	8210	74	5	225	.1	1	8330	.1	14	23	42530	4370	3	5180	1496	1	820	1	1460	106	1	30	1	34	23.0	155	2	1	3	47	62	
12656	.9	7890	90	3	128	.1	1	6830	.1	13	28	38390	2920	4	4690	949	1	240	1	1510	232	1	17	1	37	28.4	522	3	1	2	46	197	
12657	.3	12190	95	3	140	.1	1	5870	.1	13	11	40320	3550	7	7270	943	1	810	1	1630	84	1	13	1	44	35.5	200	4	1	2	41	2	
12658	.1	14170	46	3	133	.1	2	6430	.1	12	9	39270	4060	8	8910	1133	1	1270	1	1540	62	1	16	1	52	40.2	76	4	1	3	46	53	
12659	.4	8990	145	3	123	.1	1	8240	.1	13	34	42530	3150	5	4900	926	1	140	1	1390	32	1	21	1	32	32.8	31	3	1	3	52	180	
12660	.5	8510	146	3	161	.1	1	7820	.1	12	18	35120	4610	2	2670	573	1	170	1	1580	30	1	17	1	36	23.3	51	1	1	3	52	272	
12661	2.9	4430	326	3	193	.1	1	4560	.9	12	44	41990	3310	1	330	30	1	130	1	1290	706	6	8	1	32	12.0	841	1	1	3	77	1100	
12662	.8	6890	271	2	136	.1	1	4780	.1	13	18	40140	3060	4	2860	215	3	60	1	1330	123	1	10	1	37	24.6	198	2	1	3	54	192	
12663	1.0	5020	361	2	126	.1	1	4560	.1	12	25	38710	2870	2	1760	156	1	50	1	1320	136	1	9	1	28	17.5	350	1	1	2	48	390	
12664	1.8	2910	306	1	128	.1	1	4290	.1	12	19	37740	2530	1	360	32	1	50	1	1200	182	3	9	1	24	9.3	310	1	1	3	66	267	
12665	.7	2920	286	1	140	.1	1	4260	.1	12	11	37170	2680	1	170	16	1	50	1	1180	33	1	8	1	19	8.4	62	1	1	3	68	310	
12666	.9	3850	222	2	128	.1	1	4610	.1	12	21	37690	3210	1	220	17	1	60	1	1340	38	1	9	1	24	9.7	485	1	1	3	70	309	
12667	1.2	4400	175	2	117	.1	1	4750	.1	11	15	37810	3290	1	880	111	1	50	1	1280	34	5	12	1	25	13.1	93	1	1	3	59	244	
12668	2.1	3470	156	1	166	.1	1	4290	.1	10	48	33690	3010	1	240	25	1	70	1	1210	90	15	9	1	27	11.6	110	1	1	3	84	130	
12669	1.1	3550	168	1	165	.1	1	4270	.1	10	14	27460	2870	1	200	18	1	80	1	1250	27	1	9	1	25	10.8	18	1	1	3	82	4	
12670	1.7	4070	263	2	119	.1	1	4300	.1	13	20	40020	3000	1	320	38	1	60	1	1210	152	2	9	1	27	14.3	498	1	1	3	74	324	
12671	1.3	3570	269	1	143	.1	1	4350	.1	11	15	40650	3000	1	200	10	1	60	1	1240	203	2	9	1	37	12.6	307	1	1	3	82	267	
12672	.6	2610	197	2	185	.1	1	4530	.1	11	13	35250	2530	1	130	19	1	60	1	1300	69	1	11	1	43	11.7	68	1	1	3	77	198	
12673	1.3	2250	743	1	146	.1	1	4280	.1	12	15	39620	2100	1	120	11	1	60	1	1210	108	6	9	1	29	11.1	224	1	1	3	71	455	
12674	.9	3090	297	1	142	.1	1	4490	.1	12	11	34780	2580	1	170	17	1	50	1	1270	32	1	9	1	37	13.6	13	1	1	3	63	222	
12675	2.0	3610	411	1	159	.1	1	4630	.1	12	16	39070	2970	1	200	25	1	60	1	1270	28	16	9	1	34	13.4	11	1	1	3	72	229	
12676	1.6	3020	330	1	185	.1	1	4260	.1	11	12	34880	2760	1	150	13	1	60	1	1180	38	4	9	1	47	13.9	25	1	1	4	108	176	
12677	1.5	2050	247	1	171	.1	1	4630	.1	11	12	32710	1990	1	120	45	1	50	1	1010	55	1	10	1	35	9.0	66	1	1	4	83	183	
12678	1.4	5460	189	1	118	.1	1	4280	.1	12	18	39930	2320	3	2330	138	1	40	1	1100	73	2	8	1	39	27.9	135	2	1	4	93	172	
12679	.3	14230	104	1	115	.1	1	5480	.1	12	5	33520	4260	10	8120	415	1	60	1	1580	22	2	11	1	39	46.9	55	5	1	3	45	110	
12680	.3	13040	63	7	93	.1	1	6060	.1	11	6	35090	2180	12	11330	788	2	50	1	1490	30	1	17	1	26	56.9	52	5	1	3	43	34	
12681	.3	16350	57	6	84	.1	1	7010	.1	14	7	40460	2340	15	13900	1146	1	60	1	1560	131	1	14	1	35	72.1	194	5	1	4	56	45	
12682	1.6	12220	66	5	91	.1	1	5920	.1	14	44	42280	2280	9	10140	973	3	110	1	1560	503	5	14	1	34	59.2	659	5	1	3	46	25	
12683	.6	16010	44	4	183	.1	1	12180	.1	12	13	38630	2770	12	11590	1549	1	160	1	1680	162	1	23	1	42	71.3	232	6	1	4	63	22	
12684	1.7	17380	48	5	94	.1	1	5170	.1	15	110	45270	2040	15	13270	1258	6	250	1	1650	613	2	14	1	60	97.4	919	6	1	4	56	79	
12685	.6	17880	47	5	80	.1	1	11590	.1	13	15	41790	2190	14	14330	1786	1	230	1	1550	139	1	23	1	54	99.1	256	6	1	4	60	37	
12686	.8	17820	54	4	88	.1	1	4990	.1	14	39	42760	2240	13	13240	1192	3	260	1	1660	167	1	11	1	49	95.0	182	6	1	4	55	40	
12687	.8	18160	65	4	82	.1	1	5100	.1	11	10	41550	2810	12	14050	1204	2	170	1	1600	237	2	12	1	45	76.6	273	6	1	4	67	38	
12688	2.3	17480	67	4	79	.1	1	4920	5.9	14	12	43210	2700	11	14050	1222	2	200	1	1460	1098	3	10	1	45	75.7	2088	6	1	5	90	70	
12689	.4	18470	75	4	91	.1	1	5710	.1	14	16	50520	2900	12	15640	1366	1	130	1	1460	72	1	13	1	51	85.4	505	6	1	5	81	81	
12690	1.1	6510	25	1	2	.2	1	3120	.1	6	4	9270	550	6	12230	674	1	40	1	80	11	1	4	1	1	3.7	226	8	1	2	28	57	
12691	.1	20950	60	4	93	.1	1	4790	.1	16	7	51630	3370	14	15680	1239	1	240	1	1630	88	1	9	1	46	89.5	102	6	1	4	54	58	
12692	.4	21070	75	5	74	.1	1	5370	.1	18	14	58730	2580	15	17190	1383	1	270	1	1740	174	1	13	1	48	120.5	159	5	1	5	81	85	
12693	.1	21500	60	4	77	.1	1	5810	.1	17	10	52510	2630	16	17250	1358	1	250	1	1810	66	1	13	1	51	113.1	130	5	1	3	51	76	
12694	.8	24360	39	4	77	.1	1	6440	.1	17	32	56220	2610	21	20510	1561	1	270	1	1880	769	1	14	1	50	118.3	1058	4	1	4	56	56	
12695	.3	17570	92	3	76	.1	1	4930	.1	15	14	48510	2630	13	12550	891	2	190	1	1680	96	1	10	1	36	80.3	202	5	1	3	40	168	
12696	1.2	7850	199	3	81	.1	1	5130	.1	13	14	41860	3700	3	2500	176	1	80	1	1800	44	4	10	1	37	39.4	41	1	1	5	98	192	
12697	.4	13440	120	3	110	.1	1	5130	.1	12	10	39000	3020	9	7800	450	2	60	1	1760	45	1	11	1	37	71.4	83	4	1	3	47	159	
12698	.4	15490	91	2	97	.1	1	10640	.1	13	9	43190	2920	11	10360	975	1	170	1	1680	75	1	21	1	47	107.7	76	4	1	5	69	84	
12699	1.0	14490	67	3	105	.2	1	11590	.1	14	15	37900	3610	9	8720	1061	3	210	1	1770	213	1	24	1	47	111.1	278	5	1	5	71	59	
12700	.5	12230	77	3	118	.2	1	5340	.1	13	10	38010	4430	5	5100	295	1	140	1	1790	23	1	12	1	49	70.5	35	3	1	4	85	18	
12701	.3	11450	71	3	117	.1	1	7770	.1	12	7	39250	3560	6	5680	536	1	170	1	1660	58	1	17	1	48	57.4	279	2	1	4	80	12	
12702	.6	19350	34	4	88	.2	1	15020	.1	14	13	43590	4120	13	11740	1513	1	200	1	1960	187	1	29	1	44	99.1	318	5	1	3	50	16	

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-103
PAGE 1 OF 9

TESTS

Meterage	Dip	Azimuth
0	-44°	296°
60.96	-43.5°	302°
133.90	-44.5°	306

COLLAR SURVEY:
Northing: 10738.06
Easting: 10042.12
Elevation: 1146.74
Azimuth: 298°
Dip: -44
IP Grid Coordinates: 10740N 10040E

CORE BQTW
Section: 10730N
Date Started: Aug 21/91
Date Finnished: Aug 22/91
Date Logged: Aug 22-23/91

Total Depth: 139.9
Casing Depth 2.13
Casing Left In: YES
Logged By: M. ARCHAMBAULT
Comments:

SAMPLE NUMBERS
12650 To 12717
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	2.13	CASING
2.13	37.4	INTERMEDIATE FRAGMENTAL - K-SPAR - SERICITE - PYRITE, CRACKLE BRECCIA - PYRITE (1.5 b Bx-C, py)
		Lithology: Original rock texture and composition is completely obliterated by K-spar alteration throughout the whole lenght of the hole. (2.13-4.2) Pale to medium grey, massive
		Structure: —
		Alteration: Intensive K-spar alteration. White quartz vein of irregular width, approximatelu 10 cm wide and white quartz veinlets from ≤ 0.5 mm to 1 cm wide are barren and later than the mineralization and alteration — ≈ 1%
		Mineralization: Pyrite occurs as crackle veinlets and blebs in any orientation. They are generally

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-103 PAGE 2 OF 5

Mineralization: <1mm wide but up to 1cm wide and of irregular shape ≈ 4%.
Galena and chalcopyrite occur as blebs in the pyrite veinlets: Galena << 0.5%.
Chalcopyrite trace minor in one veinlet at 3.0m

Intermediate Lapilli Pyroclastic (Monolithologic)

4.2-5.2

Lithology: Pale greenish grey, well foliated with grainy appearance and with small grains of a slightly darker colour giving a speckled texture

Structure: Moderately foliated at 70° to c.a.

Alteration: - Weak pervasive sericite, - Intense pervasive K-spar alteration.

Mineralization: Coarse and fine disseminated pyrite ≈ 2%

5.2-8.6

Lithology: Primary composition is completely obliterated by K-spar alteration
Pale grey and massive. - Tuffaceous 8.3-5.2m ≈ 40%

Structure: 7.6-8.6 Brecciated fragments <1cm in diameter in a sulphidic matrix, slightly foliated 60-70° to c.a. - 5.6m Slickenside 65°

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-103 PAGE 3 OF 9
		Alteration: Intense pervasive K spar.	
		Late quartz veinlets, white, later than alteration and mineralization <1%	
		Mineralization: Pyrite in disseminated ≈2% and in veinlets and breccia matrix ≈2%	
		Trace sphalerite and galena occur disseminated in the pyrite veinlets and matrix	
		8.6 - 10.95	
		Lithology: Composition completely obliterated by K-spar alteration	
		Medium greenish grey, massive — 8.6 - 9.6 m → brecciated with fragments ≤1 cm in diameter,	
		sub-rounded in a sulphide-rich matrix — 70% fragments & 30% matrix.	
		Structure: Rusty fractures sub-parallel to c.a. Weak to moderate foliation 70° to c.a.	
		Alteration: Intense pervasive K spar alteration. Minor late white quartz veinlets	
		Mineralization: Disseminated pyrite ≈1% Irregular pyrite veinlets ≤1 mm up to 2 cm wide ≈3%	
		Galena and sphalerite grains in pyrite veinlets ≈0.5%	
		SUB-UNIT	
10.95	14.4	INTERMEDIATE FRAGMENTAL - ASH (1.5 A) +/- INTERVOLCANIC ARGILLITE (1.4)	
		Lithology: Medium greyish green to pale greenish grey, banded 2 cm to 30 cm wide.	
		Structure: Banding and foliation 65° to c.a.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-103 PAGE 4 OF 9
		Alteration: Sericite alteration of some of the beds ≈ 75%. Minor K-spar alteration of some of the beds and along some fractures < 5%. Minor clay alteration.	
		Mineralization: Disseminated pyrite 1-2%, – fine grained + blebs. Up to 5% finely disseminated pyrite in the sericite rich beds.	
		14.4 - 24.7	
		Lithology: Greenish grey fragment poor in a matrix of similar composition, slightly paler. Fragments are 1mm to 1cm in diameter, matrix supported.	
		Lithology: Pale to medium greenish grey, massive, speckled texture due to small mafic or pyrite grains.	
		Structure: Slickenside 24.5 m – 10-15° to c.a. 23.5 m – 35° to c.a.	
		Alteration: Intense K-spar has obliterated original composition. Late quartz veinlets < 1%. Rock becomes slightly lime green and lighter colour between 23.5 - 26.5.	
14.4	24.7	Mineralization: Disseminated pyrite throughout 2%. Irregular pyrite veinlets < 1%.	
24.7	37.4	" : Irregular quartz veinlets 1-5 mm wide with trace of sericite + ankerite ≈ 2%. Especially at 23.6, 34.2 - 34.7. Disseminated pyrite ≈ 4%.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-103 PAGE 5 OF 9
37.4	43.4	INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA (1.7) +/- INTERMEDIATE FRAGMENTAL (1.5)
		Lithology: Dark grey almost black, with approximately 90-95% fragments <2 cm in diameter but generally < 0.5 cm, in a black matrix.
		Structure: Slickenside 43.0 m - 40° to c.a.
		Alteration: Intense K spar alteration of the fragments.
		Mineralization: Fine grained disseminated pyrite throughout ≈ 3% Irregular pyrite veinlets, generally 1-3 mm, vein ≈ 2% Trace chalcopyrite in fractures.
43.4	61.5	INTERMEDIATE FRAGMENTAL - K-SPAR - SERICITE - PYRITE Intermediate Lapilli Pyroclastics - (Monolithologic). LAPILLI - CRACKLE BRECCIA (1.5 Lb B.C)
		Lithology: Medium grey, massive with small tuffaceous horizons <1 cm thick ≈ 5% between 43.4 m and 45.0 m ⇒ give a texture of large volcanic fragments in a tuffaceous matrix. One (daly?) interflow - black ≈ 7 cm thick at 46.8 and one <2 cm thick at 47.3
		Structure: Foliation in the tuffaceous horizons 45-70° to c.a. 49.6 m = 75° to 70° to c.a.
		Alteration: Intense K spar alteration has obliterated the original composition - Weak sericite 43.4-45.0
		Mineralization - Fine grained disseminated pyrite ≈ 3-4% Irregular veinlets 2%

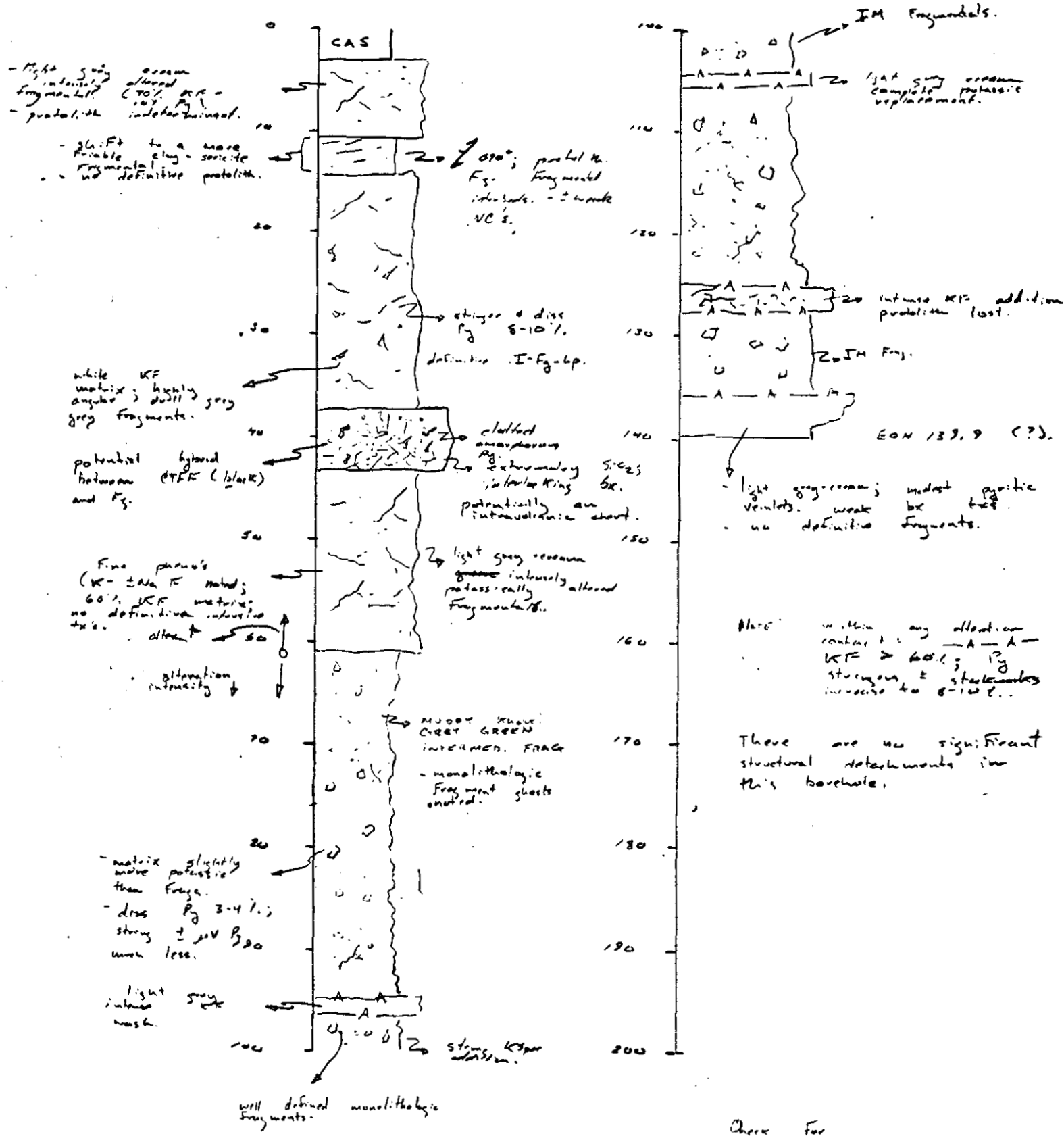
METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-103 PAGE 6 OF 9
61.5	128.0	INTERMEDIATE FRAGMENTAL - LAPILLI - SERICITE (1.5 L a ± b) +/- KSPAR-SERICITE-PYRITE	
		105-106 " " - LAPILLI, CRACKLE BRECCIA +/- PYRITE (1.5 L b Bx C +/- Py)	
		123-126	
		Lithology: Medium greyish green, massive and speckled with small darker grains of mafic mineral and/or pyrite. Several sections show zones of fragments in a slightly paler matrix. Fragments are 1 mm to 2 cm and matrix supported.	
		Fragmental 62.9 - 65.3	
		74.2 - 98.7	
		103.9 - 106.1 Slightly paler	
		118.7 - 121.2 + 122.2 - 123.5 Contains some tuffaceous interval giving a patchy appearance with a weak foliation	
		Dark greenish grey patches in a medium pinkish grey matrix	
		124.7 - 127.7 Medium pinkish grey	
		Structure: Slickenside 66.25 m 25° to c.a	
		73.7 m 30° to c.a	
		78.0 - 78.4 m 0° to c.a	
		Foliation 84.2 m 55° to c.a	
		Foliation 87.7 m 50° - tuffaceous horizon	
		Slickenside 50°	
		91.7 - 92.0 m 20° + 35° & 45° to c.a	
		92.7 m 10° + 30° to c.a	
		94.2 m 45° to c.a	
		100.2 m 50° to c.a	

Note: This interval may be defined principally by an abrupt decrease in potassic alteration, and by lower net sulphide contents.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-103 PAGE 7 OF 9
		Structure: Slickenside: 104.2 m	30 & 70° to c.a.
		105.1 m	20° in different orientations
		107.3 m	25° in different orientations
		113.3 m	0° & 25° & 50° to c.a.
		118.1 m	10 & 40° to c.a.
		120.4 m	40 & 45° in different orientation
		121.5	65° to c.a.
		123.2	30° to c.a.
		Foliation:	70°-75° to c.a.
		Slickenside: 124.7	55°
		Alteration: Intense pervasive K spar has obliterated the original composition	
		67.7 - 68.2: Light beige colour, very siliceous	
		Mineralization: Fine grained disseminated pyrite ≈ 2%	
		Irregular pyrite veinlets with trace of sphalerite and galena ≈ 2%	
		Trace galena at 77.4 m	
		Trace galena and sphalerite at 101.1 m	
128.0	135.7	INTERMEDIATE FRAGMENTAL - LAPILLI (1.54)	
130.6	131.8	DIORITE DYKE (6.1)	
134.8	135.7		
		Lithology: Medium grain, massive, no texture → diorite.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-103 PAGE 8 OF 9
		Structure: 131.5 m Slickensides 70° to c.a.	
		Alteration: Intense K-spar alteration	
		Mineralization: Disseminated chalcopyrite on fractures <1%	
		Trace of sphalerite in galena on fractures	
		Fine grained disseminated pyrite ≈ 3%	
131.8	134.7	INTERMEDIATE FRAGMENTAL (1.5)	
		Lithology: Massive, medium greenish grey, no 5% ≤ - 133.6	
		Alteration: Intense K-spar	
		Structure: 133.0 m slickensides 30° ± 20° ± 10° to c.a.	
		Mineralization: Finely disseminated pyrite ≈ 1-2%	
		Irregular pyrite veinlets ≤ 0.5%	
135.7	139.9	INTERMEDIATE FLOW - SERICITE - PYRITE (1.6 a Py)	
		Lithology: Pale to medium green, massive to tuffaceous ≈ 20% tuff. Weak foliation.	
		137.2 - 139.9 m. Large fragments, rounded to sub-angular, medium grey, floating in a pale greenish-grey matrix with not well defined borders, ≈ 30% fragments 2 mm up to 5 cm in diameter.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-103 PAGE 9 OF 9
		Structure: —	
		Alteration: Intense K spar	
		Mineralization: Finely disseminated pyrite 1-2%	
		Pyrite veinlets with trace of sphalerite <1%	
		139.9 End of hole	



Check for

J N R Jo Comments

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-103	12650	3.05	5.00	1.95	-	-	588	-	-	4.5	613	8	164	-	150	863	651	37670	8150
91-103	12651	5.00	7.00	2.00	-	-	630	-	-	2.1	1381	8	155	-	48	122	419	31730	5440
91-103	12652	7.00	9.00	2.00	-	-	356	-	-	2.4	605	5	180	-	45	361	244	36470	6530
91-103	12653	9.00	11.00	2.00	-	-	355	-	-	10.5	428	23	104	-	239	2850	4740	71070	6960
91-103	12654	11.00	13.00	2.00	-	-	116	-	-	0.9	66	1	264	-	53	335	495	41960	6950
91-103	12655	13.00	15.00	2.00	-	-	62	-	-	0.1	74	1	225	-	23	106	155	42530	8330
91-103	12656	15.00	17.00	2.00	-	-	197	-	-	0.9	90	1	128	-	28	232	522	38390	6830
91-103	12657	17.00	19.00	2.00	-	-	2	-	-	0.3	95	1	140	-	11	84	200	40320	5870
91-103	12658	19.00	21.00	2.00	-	-	53	-	-	0.1	46	1	133	-	9	62	76	39270	6430
91-103	12659	21.00	23.00	2.00	-	-	180	-	-	0.4	145	1	123	-	34	32	31	42530	8240
91-103	12660	23.00	25.00	2.00	-	-	272	-	-	0.5	146	1	161	-	18	30	51	35120	7820
91-103	12661	25.00	27.00	2.00	1.00	0.029	1100	-	-	2.9	326	6	193	-	44	706	841	41990	4560
91-103	12662	27.00	29.00	2.00	-	-	192	-	-	0.8	271	1	136	-	18	123	198	40140	4780
91-103	12663	29.00	31.00	2.00	-	-	390	-	-	1.0	361	1	126	-	25	136	350	38710	4560
91-103	12664	31.00	33.00	2.00	-	-	267	-	-	1.8	306	3	128	-	19	182	310	37740	4290
91-103	12665	33.00	35.00	2.00	-	-	310	-	-	0.7	286	1	140	-	11	33	62	37170	4260
91-103	12666	35.00	37.00	2.00	-	-	309	-	-	0.9	222	1	128	-	21	38	485	37690	4610
91-103	12667	37.00	39.00	2.00	-	-	244	-	-	1.2	175	5	117	-	15	34	93	37810	4750
91-103	12668	39.00	41.00	2.00	-	-	130	-	-	2.1	156	15	166	-	48	90	110	33690	4290
91-103	12669	41.00	43.00	2.00	-	-	4	-	-	1.1	168	1	165	-	14	27	18	27460	4270
91-103	12670	43.00	45.00	2.00	-	-	324	-	-	1.7	263	2	119	-	20	152	498	40020	4300
91-103	12671	45.00	47.00	2.00	-	-	267	-	-	1.3	269	2	143	-	15	203	307	40650	4350
91-103	12672	47.00	49.00	2.00	-	-	198	-	-	0.6	197	1	185	-	13	69	68	35250	4530
91-103	12673	49.00	51.00	2.00	-	-	455	-	-	1.3	743	6	146	-	15	108	224	39620	4280
91-103	12674	51.00	53.00	2.00	-	-	222	-	-	0.9	297	1	142	-	11	32	13	34780	4490
91-103	12675	53.00	55.00	2.00	-	-	229	-	-	2.0	411	16	159	-	16	28	11	39070	4630
91-103	12676	55.00	57.00	2.00	-	-	176	-	-	1.6	330	4	185	-	12	38	25	34880	4260
91-103	12677	57.00	59.00	2.00	-	-	183	-	-	1.5	247	1	171	-	12	55	66	32710	4630
91-103	12678	59.00	61.00	2.00	-	-	172	-	-	1.4	189	2	118	-	18	73	135	39930	4280
91-103	12679	61.00	63.00	2.00	-	-	110	-	-	0.3	104	2	115	-	5	22	55	33520	5480
91-103	12680	63.00	65.00	2.00	-	-	34	-	-	0.3	63	1	93	-	6	30	52	35090	6060
91-103	12681	65.00	67.00	2.00	-	-	45	-	-	0.3	57	1	84	-	7	131	194	40460	7010
91-103	12682	67.00	69.00	2.00	-	-	25	-	-	1.6	66	5	91	-	44	503	659	42280	5920
91-103	12683	69.00	71.00	2.00	-	-	22	-	-	0.6	44	1	183	-	13	162	232	38630	12180
91-103	12684	71.00	73.00	2.00	-	-	79	-	-	1.7	48	2	94	-	110	613	919	45270	5170
91-103	12685	73.00	75.00	2.00	-	-	37	-	-	0.6	47	1	80	-	15	139	256	41790	11590
91-103	12686	75.00	77.00	2.00	-	-	40	-	-	0.8	54	1	88	-	39	167	182	42760	4990
91-103	12687	77.00	79.00	2.00	-	-	38	-	-	0.8	65	2	82	-	10	237	273	41550	5100
91-103	12688	79.00	81.00	2.00	-	-	70	-	-	2.3	67	3	79	-	12	1098	2088	43210	4920
91-103	12689	81.00	83.00	2.00	-	-	81	-	-	0.4	75	1	91	-	16	72	505	50520	5710
91-103	12690	83.00	85.00	2.00	-	-	57	-	-	1.1	25	1	2	-	4	11	226	9270	3120
91-103	12691	85.00	87.00	2.00	-	-	58	-	-	0.1	60	1	93	-	7	88	102	51630	4790
91-103	12692	87.00	89.00	2.00	-	-	85	-	-	0.4	75	1	74	-	14	174	159	58730	5370
91-103	12693	89.00	91.00	2.00	-	-	76	-	-	0.1	60	1	77	-	10	66	130	52510	5810
91-103	12694	91.00	93.00	2.00	-	-	56	-	-	0.8	39	1	77	-	32	769	1058	56220	6440
91-103	12695	93.00	95.00	2.00	-	-	168	-	-	0.3	92	1	76	-	14	96	202	48510	4930
91-103	12696	95.00	97.00	2.00	-	-	192	-	-	1.2	199	4	81	-	14	44	41	41860	5130
91-103	12697	97.00	99.00	2.00	-	-	159	-	-	0.4	120	1	110	-	10	45	83	39000	5130
91-103	12698	99.00	101.00	2.00	-	-	84	-	-	0.4	91	1	97	-	9	75	76	43190	10640
91-103	12699	101.00	103.00	2.00	-	-	59	-	-	1.0	67	1	105	-	15	213	278	37900	11590
91-103	12700	103.00	105.00	2.00	-	-	18	-	-	0.5	77	1	118	-	10	23	35	38010	5340

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-103	12701	105.00	107.00	2.00	-	-	12	-	-	0.3	71	1	117	-	7	58	279	39250	7770
91-103	12702	107.00	109.00	2.00	-	-	16	-	-	0.6	34	1	88	-	13	187	318	43590	15020
91-103	12703	109.00	111.00	2.00	-	-	60	-	-	0.8	85	1	96	-	15	263	347	46670	16510
91-103	12704	111.00	113.00	2.00	-	-	143	-	-	0.6	119	1	110	-	12	143	326	40000	6430
91-103	12705	113.00	115.00	2.00	-	-	39	-	-	0.1	61	1	101	-	8	41	54	44580	5520
91-103	12706	115.00	117.00	2.00	-	-	26	-	-	0.6	36	1	100	-	9	275	438	41640	5560
91-103	12707	117.00	119.00	2.00	-	-	17	-	-	1.5	42	2	100	-	31	390	457	38810	12310
91-103	12708	119.00	121.00	2.00	-	-	80	-	-	2.4	130	3	101	-	17	576	863	32830	8100
91-103	12709	121.00	123.00	2.00	-	-	40	-	-	1.9	76	2	90	-	50	167	204	27520	7760
91-103	12710	123.00	125.00	2.00	-	-	114	-	-	0.2	156	1	76	-	9	38	64	42510	5220
91-103	12711	125.00	127.00	2.00	-	-	70	-	-	0.9	99	1	90	-	15	168	262	28030	5380
91-103	12712	127.00	129.00	2.00	-	-	41	-	-	1.3	98	1	104	-	25	296	631	44220	5390
91-103	12713	129.00	131.00	2.00	-	-	80	-	-	2.3	72	2	87	-	179	273	470	39400	5700
91-103	12714	131.00	133.00	2.00	-	-	62	-	-	3.1	80	2	100	-	238	332	407	48550	5550
91-103	12715	133.00	135.00	2.00	-	-	43	-	-	1.0	103	1	90	-	49	453	690	44190	5180
91-103	12716	135.00	137.00	2.00	-	-	61	-	-	2.3	72	6	96	-	100	583	519	32180	5600
91-103	12717	137.00	139.90	2.90	-	-	96	-	-	1.1	73	1	100	-	20	120	239	21370	5490

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ95+96
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12647	.7	9410	15	1	38	1.8	3	8110	.1	2	7	13350	1850	12	6640	152	2	860	1	20	31	2	14	2	64	2.2	107	6	1	5	105	2	
12648	1.2	6610	17	1	33	1.6	2	12970	.1	5	11	10620	1780	7	4050	182	3	1040	7	70	26	3	20	1	61	7.9	98	4	1	4	93	1	
12649	.9	12020	17	1	57	3.1	2	4970	.1	2	8	12320	3550	13	7690	95	4	760	1	40	33	3	7	3	77	2.1	146	6	1	4	70	1	
12650	4.5	5600	613	11	164	.1	1	8150	.1	14	150	37670	3550	1	520	245	1	710	1	1520	863	8	29	1	35	14.2	651	1	1	3	70	588	
12651	2.1	5330	1381	7	155	.1	1	5440	.1	11	48	31730	3350	1	420	62	1	750	1	1360	122	8	12	1	30	15.0	419	1	1	3	73	630	
12652	2.4	5870	605	6	180	.1	1	6530	.1	12	45	36470	3450	1	1010	288	1	110	1	1250	361	5	17	1	27	14.7	244	1	1	3	68	356	
12653	10.5	8220	428	7	104	.1	1	6960	24.0	16	239	71070	4600	2	2060	621	1	190	1	1350	2850	23	17	1	40	23.1	4740	1	1	1	68	355	
12654	.9	8660	66	6	264	.1	1	6950	.1	14	53	41960	5240	1	2380	964	1	170	1	1170	335	1	23	1	33	13.8	495	1	1	2	49	116	
12655	.1	8210	74	5	225	.1	1	8330	.1	14	23	42530	4370	3	5180	1496	1	820	1	1460	106	1	30	1	34	23.0	155	2	1	3	47	62	
12656	.9	7890	90	3	128	.1	1	6830	.1	13	28	38390	2920	4	4690	949	1	240	1	1510	232	1	17	1	37	28.4	522	3	1	2	46	197	
12657	.3	12190	95	3	140	.1	1	5870	.1	13	11	40320	3550	7	7270	943	1	810	1	1630	84	1	13	1	44	35.5	200	4	1	2	41	2	
12658	.1	14170	46	3	133	.1	2	6430	.1	12	9	39270	4060	8	8910	1133	1	1270	1	1540	62	1	16	1	52	40.2	76	4	1	3	46	53	
12659	.4	8990	145	3	123	.1	1	8240	.1	13	34	42530	3150	5	4900	926	1	140	1	1390	32	1	21	1	32	32.8	31	3	1	3	52	180	
12660	.5	8510	146	3	161	.1	1	7820	.1	12	18	35120	4610	2	2670	573	1	170	1	1580	30	1	17	1	36	23.3	51	1	1	3	52	272	
12661	2.9	4430	326	3	193	.1	1	4560	.9	12	44	41990	3310	1	330	30	1	130	1	1290	706	6	8	1	32	12.0	841	1	1	3	77	1100	
12662	.8	6890	271	2	136	.1	1	4780	.1	13	18	40140	3060	4	2860	215	3	60	1	1330	123	1	10	1	37	24.6	198	2	1	3	54	192	
12663	1.0	5020	361	2	126	.1	1	4560	.1	12	25	38710	2870	2	1760	156	1	50	1	1320	136	1	9	1	28	17.5	350	1	1	2	48	390	
12664	1.8	2910	306	1	128	.1	1	4290	.1	12	19	37740	2530	1	360	32	1	50	1	1200	182	3	9	1	24	9.3	310	1	1	3	66	267	
12665	.7	2920	286	1	140	.1	1	4260	.1	12	11	37170	2680	1	170	16	1	50	1	1180	33	1	8	1	19	8.4	62	1	1	3	68	310	
12666	.9	3850	222	2	128	.1	1	4610	.1	12	21	37690	3210	1	220	17	1	60	1	1340	38	1	9	1	24	9.7	485	1	1	3	70	309	
12667	1.2	4400	175	2	117	.1	1	4750	.1	11	15	37810	3290	1	880	111	1	50	1	1280	34	5	12	1	25	13.1	93	1	1	3	59	244	
12668	2.1	3470	156	1	166	.1	1	4290	.1	10	48	33690	3010	1	240	25	1	70	1	1210	90	15	9	1	27	11.6	110	1	1	3	84	130	
12669	1.1	3550	168	1	165	.1	1	4270	.1	10	14	27460	2870	1	200	18	1	80	1	1250	27	1	9	1	25	10.8	18	1	1	3	82	4	
12670	1.7	4070	263	2	119	.1	1	4300	.1	13	20	40020	3000	1	320	38	1	60	1	1210	152	2	9	1	27	14.3	498	1	1	3	74	324	
12671	1.3	3570	269	1	143	.1	1	4350	.1	11	15	40650	3000	1	200	10	1	60	1	1240	203	2	9	1	37	12.6	307	1	1	3	82	267	
12672	.6	2610	197	2	185	.1	1	4530	.1	11	13	35250	2530	1	130	19	1	60	1	1300	69	1	11	1	43	11.7	68	1	1	3	77	198	
12673	1.3	2250	743	1	146	.1	1	4280	.1	12	15	39620	2100	1	120	11	1	60	1	1210	108	6	9	1	29	11.1	224	1	1	3	71	455	
12674	.9	3090	297	1	142	.1	1	4490	.1	12	11	34780	2580	1	170	17	1	50	1	1270	32	1	9	1	37	13.6	13	1	1	3	63	222	
12675	2.0	3610	411	1	159	.1	1	4630	.1	12	16	39070	2970	1	200	25	1	60	1	1270	28	16	9	1	34	13.4	11	1	1	3	72	229	
12676	1.6	3020	330	1	185	.1	1	4260	.1	11	12	34880	2760	1	150	13	1	60	1	1180	38	4	9	1	47	13.9	25	1	1	4	108	176	
12677	1.5	2050	247	1	171	.1	1	4630	.1	11	12	32710	1990	1	120	45	1	50	1	1010	55	1	10	1	35	9.0	66	1	1	4	83	183	
12678	1.4	5460	189	1	118	.1	1	4280	.1	12	18	39930	2320	3	2330	138	1	40	1	1100	73	2	8	1	39	27.9	135	2	1	4	93	172	
12679	.3	14230	104	1	115	.1	1	5480	.1	12	5	33520	4260	10	8120	415	1	60	1	1580	22	2	11	1	39	46.9	55	5	1	3	45	110	
12680	.3	13040	63	7	93	.1	1	6060	.1	11	6	35090	2180	12	11330	788	2	50	1	1490	30	1	17	1	26	56.9	52	5	1	3	43	34	
12681	.3	16350	57	6	84	.1	1	7010	.1	14	7	40460	2340	15	13900	1146	1	60	1	1560	131	1	14	1	35	72.1	194	5	1	4	56	45	
12682	1.6	12220	66	5	91	.1	1	5920	.1	14	44	42280	2280	9	10140	973	3	110	1	1560	503	5	14	1	34	59.2	659	5	1	3	46	25	
12683	.6	16010	44	4	183	.1	1	12180	.1	12	13	38630	2770	12	11590	1549	1	160	1	1680	162	1	23	1	42	71.3	232	6	1	4	63	22	
12684	1.7	17380	48	5	94	.1	1	5170	.1	15	110	45270	2040	15	13270	1258	6	250	1	1650	613	2	14	1	60	97.4	919	6	1	4	56	79	
12685	.6	17880	47	5	80	.1	1	11590	.1	13	15	41790	2190	14	14330	1786	1	230	1	1550	139	1	23	1	54	99.1	256	6	1	4	60	37	
12686	.8	17820	54	4	88	.1	1	4990	.1	14	39	42760	2240	13	13240	1192	3	260	1	1660	167	1	11	1	49	95.0	182	6	1	4	55	40	
12687	.8	18160	65	4	82	.1	1	5100	.1	11	10	41550	2810	12	14050	1204	2	170	1	1600	237	2	12	1	45	76.6	273	6	1	4	67	38	
12688	2.3	17480	67	4	79	.1	1	4920	5.9	14	12	43210	2700	11	14050	1222	2	200	1	1460	1098	3	10	1	45	75.7	2088	6	1	5	90	70	
12689	.4	18470	75	4	91	.1	1	5710	.1	14	16	50520	2900	12	15640	1366	1	130	1	1460	72	1	13	1	51	85.4	505	6	1	5	81	81	
12690	1.1	6510	25	1	2	.2	1	3120	.1	6	4	9270	550	6	12230	674	1	40	1	80	11	1	4	1	1	3.7	226	8	1	2	28	57	
12691	.1	20950	60	4	93	.1	1	4790	.1	16	7	51630	3370	14	15680	1239	1	240	1	1630	88	1	9	1	46	89.5	102	6	1	4	54	58	
12692	.4	21070	75	5	74	.1	1	5370	.1	18	14	58730	2580	15	17190	1383	1	270	1	1740	174	1	13	1	48	120.5	159	5	1	5	81	85	
12693	.1	21500	60	4	77	.1	1	5810	.1	17	10	52510	2630	16	17250	1358	1	250	1	1810	66	1	13	1	51	113.1	130	5	1	3	51	76	
12694	.8	24360	39	4	77	.1	1	6440	.1	17	32	56220	2610	21	20510	1561	1	270	1	1880	769	1	14	1	50	118.3	1058	4	1	4	56	56	
12695	.3	17570	92	3	76	.1	1	4930	.1	15	14	48510	2630	13	12550	891	2	190	1	1680	96	1	10	1	36	80.3	202	5	1	3	40	168	
12696	1.2	7850	199	3	81	.1	1	5130	.1	13	14	41860	3700	3	2500	176	1	80	1	1800	44	4	10	1	37	39.4	41	1	1	5	98	192	
12697	.4	13440	120	3	110	.1	1	5130	.1	12	10	39000	3020	9	7800	450	2	60	1	1760	45	1	11	1	37	71.4	83	4	1	3	47	159	
12698	.4	15490	91	2	97	.1	1	10640	.1	13	9	43190	2920	11	10360	975	1	170	1	1680	75	1	21	1	47	107.7	76	4	1	5	69	84	
12699	1.0	14490	67	3	105	.2	1	11590	.1	14	15	37900	3610	9	8720	1061	3	210	1	1770	213	1	24	1	47	111.1	278	5	1	5	71	59	
12700	.5	12230	77	3	118	.2	1	5340	.1	13	10	38010	4430	5	5100	295	1	140	1	1790	23	1	12	1	49	70.5	35	3	1	4	85	18	
12701	.3	11450	71	3	117	.1	1	7770	.1	12	7	39250	3560	6	5680	536	1	170	1	1660	58	1	17	1	48	57.4	279	2	1	4	80	12	
12702	.6	19350	34	4	88	.2	1	15020	.1	14	13	43590	4120	13	11740	1513	1	200	1	1960	187	1	29	1	44	99.1	318	5	1	3	50	16	

91-103

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ97+98
DATE: 91/10/17
* ROCK * (ACT:F31)

91-103

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12703	.8	16880	85	3	96	.1	1	16510	.1	15	15	46670	2720	12	12440	1855	1	180	1	1800	263	1	30	1	59	117.2	347	5	1	5	72	60	
12704	.6	13870	119	3	110	.1	1	6430	.1	13	12	40000	3450	7	8960	680	1	170	1	1870	143	1	13	1	42	94.2	326	4	1	4	65	143	
12705	.1	16170	61	3	101	.1	1	5520	.1	16	8	44580	3280	10	10820	764	1	180	1	1840	41	1	12	1	52	105.3	54	4	1	5	86	39	
12706	.6	17530	36	3	100	.1	1	5560	.1	14	9	41640	2800	13	12770	857	1	190	1	1910	275	1	12	1	51	109.0	438	5	1	4	68	26	
12707	1.5	17030	42	2	100	.1	2	12310	.1	15	31	38810	1880	13	13760	1533	1	220	1	1960	390	2	26	1	49	147.8	457	7	1	5	64	17	
12708	2.4	8320	130	6	101	.1	1	8100	1.6	28	17	32830	2460	5	5600	646	12	140	1	1930	576	3	20	1	31	74.9	863	3	1	3	52	80	
12709	1.9	8880	76	4	90	.1	1	7760	.1	19	50	27520	2960	5	5680	499	7	80	1	2050	167	2	18	1	30	54.8	204	3	1	4	61	40	
12710	.2	13610	156	11	76	.2	1	5220	.1	14	9	42510	3010	10	7570	494	2	80	1	1540	38	1	10	1	41	59.5	64	4	1	3	40	114	
12711	.9	7300	99	7	90	.1	1	5380	.1	15	15	28030	2970	4	2700	238	1	110	1	1850	168	1	11	1	38	40.2	262	1	1	2	35	70	
12712	1.3	13920	98	9	104	.1	1	5390	.1	19	25	44220	3520	9	7510	547	3	80	1	1950	296	1	11	1	50	64.7	631	3	1	2	25	41	
12713	2.3	15890	72	6	87	.1	2	5700	.1	22	179	39400	2490	10	11700	847	9	180	1	1820	273	2	14	1	44	93.8	470	7	1	3	32	80	
12714	3.1	20300	80	6	100	.1	1	5550	.1	28	238	48550	3350	14	13500	966	8	210	1	1940	332	2	12	1	43	117.9	407	5	1	3	29	62	
12715	1.0	16160	103	6	90	.1	1	5180	.1	16	49	44190	3770	10	7900	709	1	170	1	1790	453	1	11	1	53	86.9	690	4	1	2	37	43	
12716	2.3	11790	72	5	96	.1	1	5600	.1	12	100	32180	4340	5	4370	392	1	120	1	1880	583	6	13	1	43	55.0	519	2	1	2	33	61	
12717	1.1	6450	73	4	100	.2	1	5490	.1	19	20	21370	3720	1	1100	108	2	210	1	1920	120	1	12	1	38	34.8	239	1	1	2	41	96	
12718	.2	8310	212	5	187	.1	1	11950	.1	15	7	31430	3220	3	3260	912	5	180	1	1460	45	1	29	1	43	21.5	36	1	1	3	64	74	
12719	1.1	7310	262	5	209	.1	1	14070	.3	12	18	36320	3460	2	4270	1126	2	900	1	1410	750	1	30	1	38	19.6	622	1	1	3	69	755	
12720	1.1	11310	294	5	306	.1	1	8350	.1	14	18	40040	4270	4	3660	663	2	850	1	1390	922	2	21	1	41	24.9	255	1	1	2	54	417	
12721	.8	13870	182	4	251	.2	1	8170	.1	10	96	34270	4910	6	4480	871	2	1000	1	1200	279	1	18	2	44	24.3	354	2	1	4	83	202	
12722	.2	12950	44	4	209	.1	1	9510	.1	10	39	30700	4710	5	3750	1065	2	830	1	1230	143	1	19	2	37	19.5	183	3	1	2	42	41	
12723	.1	12550	32	4	252	.3	1	5540	.1	11	15	22910	5780	3	1730	359	2	920	1	1230	55	1	13	2	38	18.0	75	2	1	3	57	32	
12724	4.0	9070	60	3	218	.1	1	7210	2.4	9	84	29350	4120	3	1960	508	2	270	1	1240	1117	1	15	2	36	17.6	915	2	1	2	42	60	
12725	1.3	11030	63	3	219	.1	1	8060	.1	8	45	31040	4590	5	3280	660	1	1140	1	1340	380	1	18	2	38	17.6	500	2	1	2	54	65	
12726	.3	7950	79	3	200	.1	1	7310	.1	7	8	29600	4250	2	1550	324	1	1370	1	1250	102	1	16	1	40	14.4	212	1	1	4	96	62	
12727	1.0	7520	125	3	168	.1	1	5560	5.1	8	40	31720	4070	2	1600	152	1	280	1	1300	112	1	10	1	44	12.7	1445	1	1	1	46	120	
12728	1.8	8350	83	2	176	.1	1	5430	7.3	6	92	26190	4200	3	1830	190	1	810	1	1290	475	1	10	2	29	12.5	1745	2	1	2	80	341	
12729	1.4	9240	77	2	138	.1	1	8990	.1	9	90	31090	3530	5	2930	636	1	180	1	1330	72	1	18	2	29	20.4	347	2	1	2	47	302	
12730	1.3	8300	94	2	149	.1	1	6510	.1	11	118	36070	3390	5	2500	320	1	700	1	1350	30	1	15	1	32	24.8	88	1	1	4	83	204	
12731	.9	7620	117	2	131	.1	1	5020	.1	13	47	39010	3910	3	1850	187	1	100	1	1380	16	1	9	1	28	21.1	35	1	1	2	46	138	
12732	.6	6870	93	2	166	.1	1	5180	.1	13	7	31380	4520	1	460	69	1	110	1	1560	15	1	9	1	37	20.0	28	1	1	3	81	84	
12733	.6	7000	86	2	161	.1	1	5380	.1	10	10	31880	4570	1	390	37	1	860	1	1610	16	1	9	1	38	17.1	23	1	1	3	61	67	
12734	.5	8680	129	3	208	.2	1	2750	.1	10	3	28640	5330	1	440	11	5	50	1	720	15	1	7	1	44	16.6	26	1	1	3	81	65	
12735	2.7	4370	261	2	170	.1	1	2350	.1	7	7	23890	3230	1	210	13	2	980	1	570	39	12	5	1	23	9.0	58	1	1	5	112	110	
12736	4.0	2260	581	1	209	.1	1	2790	.1	6	27	27870	2220	1	100	15	6	680	1	670	976	11	7	1	19	5.1	537	1	1	3	86.	546	
12737	1.7	2970	611	2	231	.1	1	3170	.1	9	13	31850	2580	1	140	24	2	860	1	790	134	6	7	1	28	8.0	59	1	1	5	126	660	
12738	1.9	2610	511	2	192	.1	1	4050	.1	9	11	30730	2260	1	170	18	5	90	1	1100	75	7	8	1	22	8.3	85	1	1	4	100	546	
12739	1.6	3170	312	1	184	.1	1	4120	.1	9	9	29820	2600	1	190	19	2	840	1	1170	364	1	9	1	29	9.7	74	1	1	5	121	500	
12740	1.1	6780	183	3	108	.1	1	4810	.1	11	8	33780	4570	1	450	56	4	720	1	1430	278	1	8	1	27	15.3	29	1	1	4	91	128	
12741	.5	7300	156	3	93	.1	1	4790	.1	11	9	31350	4630	1	470	41	1	2540	1	1360	36	1	8	1	27	16.3	32	1	1	4	106	100	
12742	1.7	5040	851	2	117	.1	1	4540	.1	10	11	35800	3460	1	340	23	1	1020	1	1270	77	10	8	1	30	14.2	82	1	1	4	95	320	
12743	.3	9900	180	2	130	.1	1	5450	.1	10	5	32450	3920	5	3760	328	2	1070	1	1470	27	2	11	1	28	31.0	19	3	1	5	105	161	
12744	.1	12880	71	2	89	.1	1	7360	.1	10	3	32800	3580	9	6620	525	1	1100	1	1550	25	1	14	2	32	40.8	34	4	1	3	63	59	
12745	1.5	7790	244	2	103	.1	1	9280	.1	11	29	38790	3740	3	2620	551	3	1080	1	1310	301	1	16	1	27	21.7	485	1	1	4	103	345	
12746	1.0	9000	213	2	102	.1	1	7960	.1	10	12	34120	3820	4	3860	452	1	810	1	1420	127	1	15	2	26	24.9	119	3	1	3	73	290	
12747	1.7	7100	351	3	104	.1	1	5440	.1	13	32	48800	3160	3	2880	287	1	1210	1	1310	400	2	9	1	22	22.8	507	1	1	5	120	499	
12748	.2	9540	185	7	122	.1	1	5530	.1	12	9	37840	3580	6	4640	396	1	140	1	1440	45	1	11	1	31	29.8	94	2	1	3	45	240	
12749	3.7	8610	371	6	91	.1	1	5540	13.0	14	159	52170	3670	3	3240	290	1	1020	1	1340	1008	1	10	1	31	25.9	2905	1	1	1	54	690	
12750	1.5	14030	197	6	109	.2	1	5310	2.0	10	78	35740	6010	5	4100	408	1	780	1	1450	610	1	10	1	38	34.3	1113	2	1	3	78	426	
12751	.1	13190	79	4	113	.1	1	5400	.1	11	9	36330	5680	5	3710	533	1	860	1	1500	54	1	10	1	33	33.3	86	1	1	4	90	77	
12752	1.7	10740	215	5	36	.1	1	4950	.1	13	37	39460	6100	1	1270	136	1	140	1	1410	296	1	8	1	25	26.4	426	1	1	3	58	296	
12753	.5	8270	180	5	54	.1	1	4910	.1	12	10	36020	5010	1	680	56	1	970	1	1410	42	2	8	1	29	19.9	40	1	1	3	78	160	
12754	1.8	6580	306	5	57	.1	1	4090	3.4	12	80	46590	4010	1	520	42	1	1100	1	1050	218	1	6	1	25	19.8	1133	1	1	2	78	540	
12755	.9	2820	199	2	139	.1	1	4180	.1	11	27	31410	2420	1	200	31	1	740	1	1100	59	1	8	1	33	14.5	57	1	1	4	101	188	
12756	1.6	3710	300	3	115	.1	1	4960	.1	13	11	31960	3130	1	200	14	2	50	1	1500	37	7	10	1	32	19.5	35	1	1	4	89	202	
12757	1.2	3190	349	3	155	.1	1	5260	.1	14	9	29650	2960	1	170	19	2	60	1	1570	22	3	11	1	33	18.0	9	1	1	3	83	168	
12758	3.6	3070	768	1	106	.1	1	5270	.1	16	14	35490	2810	1	160	35	6	50	1	1460	41	39	11	1	27	16.3	23	1	1	3	84	238	

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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NORTH VANCOUVER, B.C. CANADA V7M 1T2
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

91-103

Assay Certificate

1S-0708-RA1

Company: COPELAND REBAGLIATI & ASSOC.
Project: 9101
Attn: MARK REBAGLIATI 91-103

Date: SEP-14-91
Copy 1. COPELAND REBAGLIATI, VANCOUVER, B.C.
2. COPELAND REBAGLIATI, C/O MIN-EN LABS.

We hereby certify the following Assay of 1 CORE samples submitted SEP-06-91 by DARREN WILSON.

Sample Number	AU g/tonne	AU oz/ton
12661	1.00	.029

Certified by _____

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-104
PAGE 1 OF 10

TESTS

Meterage	Dip	Azimuth
0	-45	273
139.29	-43°	—

COLLAR SURVEY:

Northing: 10676.59
Easting: 9993.92
Elevation: 1153.42
Azimuth: 275°
Dip: -44.5°
IP Grid Coordinates: 10690N 999DE

CORE 89 TW
10676N
Section: 10680N
Date Started: Aug 22/91
Date Finnished: Aug 23/91
Date Logged: Aug 25, 91

Total Depth: 139.29 m
Casing Depth 1.5 m
Casing Left in: YES
Logged By: M ARCHAMBAULT
Comments: Acid test at bottom of hole, no specy sum

SAMPLE NUMBERS

12718 To 12787
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	1.5	CASING
1.5	25.6	INTERMEDIATE FRAGMENTAL – LAPILLI – SERICITE (1.5 L a)
		Lithology: 1.5 – 9.45 Large medium green fragments in a light greyish green matrix. The large fragments 2 cm to 5 cm in diameter, sub-angular, are widely spaced i.e. every 5-10 cm. The matrix numerous small fragments 1 mm to 5 mm, they are also matrix supportd – small fragments form 50% of the matrix. Large fragments form 20% of the rock. The fragments gradually decrease in size and the rock becomes more tuffaceous towards from 6.9 m
		Structure: Weak foliation: 2.0 m 60° to c a 7.4 m 70° to c a
		Alteration: Slightly bleached weak clay?, weak chlorite No K spar alt

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-104 PAGE 2 OF 10
		Mineralization: Trace sphalerite and galena in pyrite veinlets along fractures ≈ 2%	
		Disseminated pyrite ≈ 1%	
		3.6 - 4.0 m 0.5% sphalerite, trace galena in a fracture sub-parallel to c.a	
		Sphalerite + galena in veinlets at 4.6 m and 4.4 m and 5.5 m and 5.8 m.	
		6.4 - 6.6 - DIORITE DYKE?	
		Lithology: Fine grained and massive, medium greyish green	
		Structure: Sharp contacts 40° & 50° to c.a	
		Alteration: ? weak clay(?)	
		Mineralization: 5% finely disseminated pyrite	
		9.45 - 12.2	
		Lithology: Original composition obliterated by alteration	
		Fine grained, strongly foliated, mottled to banded.	
		Various colours, beige, pinkish grey, light and dark green	
		Minor fragments in places	
		Structure: Strong foliation 10 m 65° to c.a — Fault gouge 1 cm thick at 11.4 m 65° to c.a.	
		11.9 m 70° to c.a — Sharp lower contact 60° to c.a	
		Alteration: Strong clay, weak to moderate sericite and chlorite - No K-spar alt	
		Mineralization: Disseminated pyrite < 0.5%	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-104 PAGE 3 OF 10

12.2-25.6

Lithology: Large medium green fragments in a light green matrix
Fragments are sub-angular from 1cm to 3cm in diameter and form 15-20% of the rock
The matrix contains small fragments 1mm to 5mm forming approximately 40% of the matrix which is aphanitic.

Structure: Weak foliation in places 15.5m - 60° to c.a. Slickenside: 19.2m 30° to c.a
21.2m - 55° to c.a
Upper contact is sharp at 60° to c.a - Lower contact is gradational

Alteration: Weak chlorite (?) Pyritic alteration of the fragments 12.2 - 19.0m
Weak Kspar lower than 20.4 progressively increases towards the bottom but does not cause a change in colour or texture

Mineralization: Disseminated pyrite throughout 2%, 12.2-19.0m in fragments ≈ 5%
Irregular pyrite veinlets in fractures < 0.5%
Sphalerite grains with trace galena grains in pyrite veinlets, mainly 13.7-14.0m
2 veinlets 35° to c.a and at 19.2m ≈ 5cm wide veinlet in brecciated zone with 25% pyrite blebs and 5% sphalerite, sharp contacts 30° to c.a. and at 24.1m ≈ 1cm wide veinlet at 10° to c.a.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-104 PAGE 4 OF 10
25.6	44.2	INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA (1.7)	

Lithology: 25.6-37.0 Large fragments of dacite to rhyolite in a black cherty matrix
Fragments are medium greenish grey and vary from 1 mm to 15 cm. Fragments dominate from 25.6 – 28.8 – 80% fragments. - Fragments are not well defined and crackled brecciated
28.8 – 32.0 Breccia is matrix supported with less of the small size fraction and fragments are well defined sub-angular to sub-rounded ≈ 40 - 50% fragments
From 32.0 to 37.0 Fragments gradually become slightly darker and show plagioclase crystals &

Structure: Slickensides 25.6 m 40° to c a, minor gouge ≈ 5 mm
27.2 m 45° to c a
33.2 m 40° & 25° to c a
35.7 m 70° to c a 50° & 55° in different orientation
Gradational contacts

Alteration: Intense K spar alteration of the fragments and the matrix
Moderate silicification from 34.8 – 37.0 - White quartz crackle brecciation

Mineralization: Disseminated pyrite throughout fragments and matrix ≈ 2%
Pyrite irregular veinlets and patches ≈ 1%
One pyrite vein ≈ 2 mm wide contains galena and sphalerite grains at 36.9 m – 15° to c a

Lithology: 37.0 – 44.2 Black aphanitic groundmass with small < 1 mm plagioclase (white) crystals, massive, possibly has fragments of similar composition

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-104 PAGE 5 OF 10
		41.4-42.85 HETEROLITHIC BRECCIA
		Lithology: Grey and black angular fragments 50-50% in a white to dark grey siliceous matrix. Fragments vary from <1mm to 4mm and form 60% of the rock.
		Structure: Slickenside 40.8m — 25° to c.a
		Alteration: Intense K spar alt of the matrix but not the plagioclase crystals. Moderate to strong silicification - crackle breccia ≈ 10% white quartz veinlets. 41.85-42.25 Intense silicification
		Mineralization: Disseminated pyrite <1%. Pyrite blebs and veinlets in the quartz crackle breccia ≈ 3%. 42.3-42.6 Galena blebs in the heterolithic breccia
44.2	48.3	INTERMEDIATE FRAGMENTAL - LAPILLI - SERICITE (1.5 L.a)
		Lithology: Pale green, massive to foliated and aphanitic, gradational contact from medium grey and siliceous to pale grey-green softer. Contains some bluish grey bands of silica.
		Structure: Weakly to well foliated: 45.5 60° to c.a
		Alteration: Moderate K spar, along the foliation, strong sericite throughout

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-104 PAGE 6 OF 10
		Mineralization: Disseminated pyrite 1-3%	
		Pyrite blebs and veinlets in foliation ≈ 2%	
48.3	50.9	INTERMEDIATE FRAGMENTAL - KSPAR - SERICITE - PYRITE, CRACKLE BRECCIA (1.5 L b B₂ C)	
		Lithology: Pale grey, massive aphanitic with weak black crackle brecciation fractures	
		Structure: Slickenside 48.4 m - 30° to c.a - Contacts gradational	
		Alteration: Weak pervasive sericite. Intense K spar	
		Mineralization: Pyrite veinlets ≤ 5 mm in crackle fractures ≈ 1%	
		Disseminated pyrite crystals < 5 mm ≈ 0.5%	
50.9	28.4	INTERMEDIATE FRAGMENTAL - LAPILLI - SERICITE (1.5 L a)	
		Lithology: Medium greenish grey, massive, speckled texture due to small mafic and pyritic grains	
		Structure —	
		Alteration: Weak chlorite of the mafic specs	
		Moderate to intense pervasive K spar	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-104 PAGE 7 OF 10
		Mineralization: Disseminated pyrite both fine and coarse euhedral crystals <1cm in places 2%	
		Pyrite veinlets 1mm to 5mm wide ≈1% Trace galena and sphalerite in pyrite veinlets	
		particularly at 63.1 and 63.6 m	
		58.5 - Aphanitic mass very hard with brown mineral in fracture veinlet	
68.4	95.0	INTERMEDIATE FRAGMENTAL -LAPILLI -K-SPAR -SERICITE -PYRITE, CRACKLE BRECCIA (1.5 L b, BxC)	
		68.4-73.8	
		Lithology: Pale greenish grey, aphanitic, massive to lightly foliated	
		Structure: Foliation 70.0 m 70° to c.a Contacts are gradational	
		Alteration: Moderate pervasive sericite Moderate to weak K spar - pervasive	
		Moderate silica 72.8-73.8 - small <2 cm veins ≈5%	
		Mineralization: Very fine disseminated pyrite 2%	
		Pyrite veinlets 1mm to 2cm wide with trace galena ≈2%	
		Galena in particular at 68.6 m and 73.4 m	
95.0	117.7	INTERMEDIATE FRAGMENTAL -LAPILLI -SERICITE (1.5 L a)	
		73.8-104.2	
		Lithology: Medium to light grey, massive, crackle brecciated weak to strong	
		Crackle breccia forms large fragments up to 10 cm in diameter to smaller fragments 2-5 mm	
		and grades to a breccia where rhyolite fragments are matrix supported in a dark siliceous	
		and pyritic matrix. Fragments vary from <1 mm to 1 cm in diameter - up to 3 cm	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-104 PAGE 8 OF 10

Structure: 97.2 m Slickenside 40° to c.a. Mineralized contacts
97.9 60° to c.a.
98.3 40° to c.a. 1cm gouge
101.9 50°+70° to c.a.

Alteration: Intense K spar alt. of the rhyolite and fragments, not the breccia matrix
Moderate silica, late white quartz irregular veinlets and pods, the contacts of which are not well defined.

Mineralization: Disseminated pyrite < 0.5%
Pyrite veinlets in crackle breccia ≈ 3% Trace galena & sphalerite in pyrite veinlets
Very fine grained massive pyrite in breccia matrix:
Galena & sphalerite at 97.9

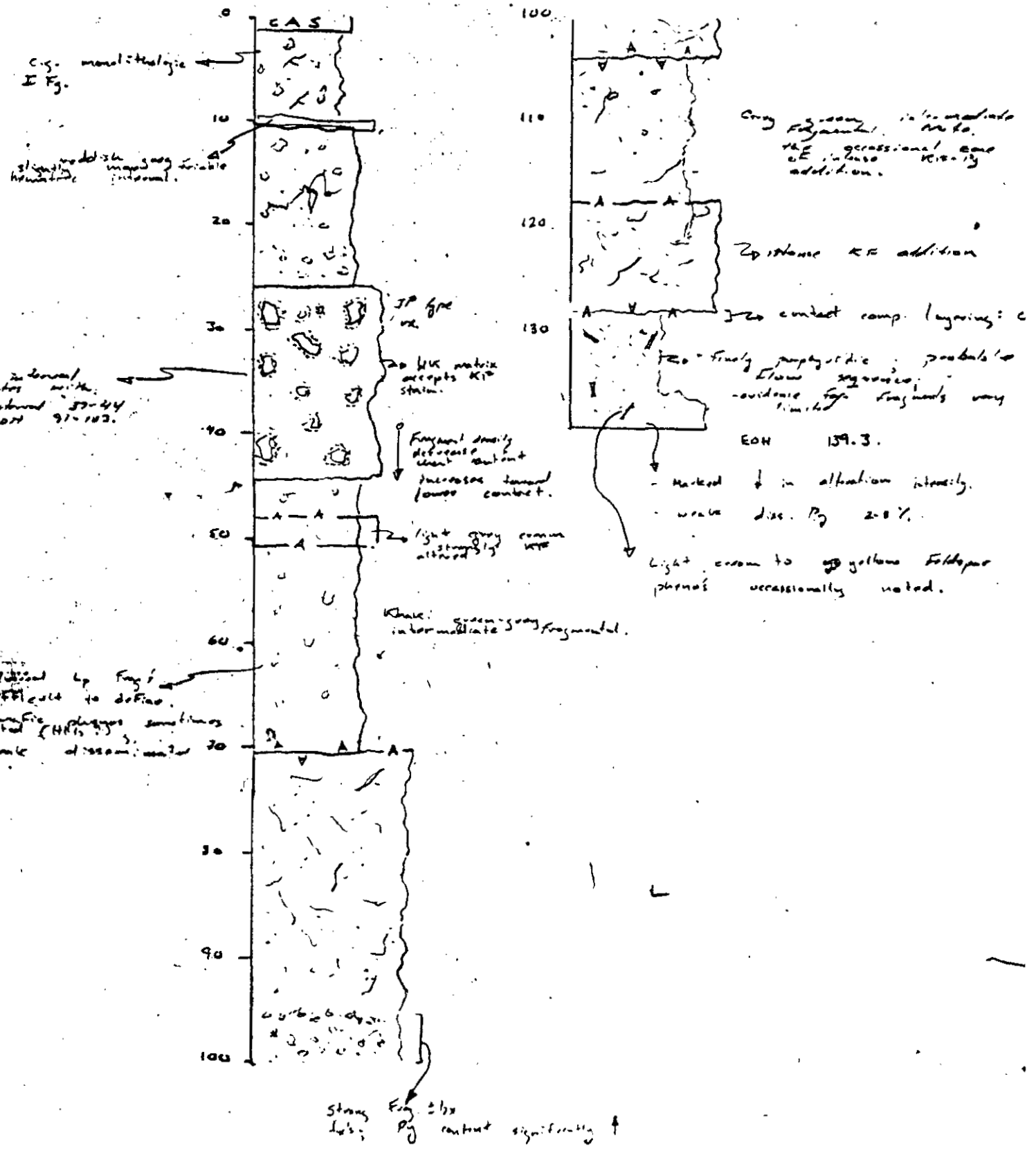
Breccia: 83.2 - 82.5 96.7 - 97.0 100.5 - 101.8
83.6 - 84.5 98.2 - 99.0

104.2 - 117.7
Lithology: Massive tuffs, beige to dark green, weakly banded to foliated with minor pale grey, crackle brecciated flows ≈ 10% ≈ 25 cm thick

Structure: Foliation: 107.3 m 60° to c.a. Slickenside 110.3 m 30°+45° to c.a. ≈ 1cm gouge
113.4 m 70° to c.a. 112.8 m 55° to c.a. ≈ 0.5cm gouge

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 11-104 PAGE 9 OF 10
		Structure: Slickensides: 116.9 - 117.7 m Fault gouge 30° - 40° - 50° - 65° - 70° several different orientations
		Alteration: Moderate - intense K spar, pervasive,
		Weak chlorite of some of the bands
		strong sericite - most of the interval ≈ 10%
		Mineralization: Very fine grained disseminated pyrite, varies throughout 0.5 - 3%
		Pyrite veinlets < 2 mm wide 2% Trace galena & sphalerite in some pyrite veinlets
		Galena, sphalerite at 116.3
117.7	128.0	INTERMEDIATE FRAGMENTAL - LAPILLI - KSPAR - SERICITE - PYRITE, CRACKLE BRECCIA (1.5 Lb, Bx C)
		Lithology: Pale to medium grey, massive, crackle brecciated, very hard 117.7 - 127.2
		Structure: Gradational lower contact
		Faulted upper contact
		Alteration: Intense K spar alteration
		Mineralization: Disseminated pyrite - < 0.5%
		Pyrite veinlets in crackle breccia < 1 mm wide ≈ 3%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-104 PAGE 10 OF 10
		Lithology: 127.2-128.5 Medium greenish grey, strongly foliated, siliceous	
		Structure Foliation: 45° to c.a	
		Alteration: Intense K spar Weak sericite	
		Mineralization: Disseminated pyrite and small pyrite blebs ≈1%	
128.5	139.29	INTERMEDIATE FLOW -SERICITE (1,6 a)	
		Lithology: Dark greyish green, very massive, weak crackle brecciation 10% Plagioclase laths	
		Structure: Slickenside 129.6m 40° to c.a 133.2m 45° to c.a 136.4m 60° to c.a 137.7m 70° to c.a 136.7m 75° to c.a	
		Mineralization: Disseminated pyrite <1% Pyrite blebs and veinlets 2% Possibly trace of sphalerite in pyrite veinlets	
		Alteration: Intense K spar alteration except for 10% very small plagioclase crystals Moderate chlorite	
		139.29 End of hole	


CAS
0
10
20
30
40
50
60
70
80
90
100
110
120
130
c.g. monolithologic Fg.
slightly reddish mottled grey fragmental
This interval correlates with the interval 55-44 in DDH 91-102.
Fragmental density decreases, clast content increases toward lower contact.
light grey crown KK strongly altered
Khaki intermediate grey fragmental.
Bleached Lp Fragf difficult to define.
Pg.
Strong Fg. ± lbx
Pg content significantly ↑
grey fragmental, intermediate K.
occasional crown KK altered addition.
Zp intense KK addition
contact comp. layering:
finely porphyritic
EOH 139.3.
- Marked ↓ in alteration intensity.
- weak disc. Pg 2-8%.
Light cream to yellow Feldspar phenos occassionally noted.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-104	12718	1.50	2.00	0.50	-	-	74	-	-	0.2	212	1	187	-	7	45	36	31430	11950
91-104	12719	2.00	4.00	2.00	-	-	755	-	-	1.1	262	1	209	-	18	750	622	36320	14070
91-104	12720	4.00	6.00	2.00	-	-	417	-	-	1.1	294	2	306	-	18	922	255	40040	8350
91-104	12721	6.00	8.00	2.00	-	-	202	-	-	0.8	182	1	251	-	96	279	354	34270	8170
91-104	12722	8.00	10.00	2.00	-	-	41	-	-	0.2	44	1	209	-	39	143	183	30700	9510
91-104	12723	10.00	12.00	2.00	-	-	32	-	-	0.1	32	1	252	-	15	55	75	22910	5540
91-104	12724	12.00	14.00	2.00	-	-	60	-	-	4.0	60	1	218	-	84	1117	915	29350	7210
91-104	12725	14.00	16.00	2.00	-	-	65	-	-	1.3	63	1	219	-	45	380	500	31040	8060
91-104	12726	16.00	18.00	2.00	-	-	62	-	-	0.3	79	1	200	-	8	102	212	29600	7310
91-104	12727	18.00	20.00	2.00	-	-	120	-	-	1.0	125	1	168	-	40	112	1445	31720	5560
91-104	12728	20.00	22.00	2.00	-	-	341	-	-	1.8	83	1	176	-	92	475	1745	26190	5430
91-104	12729	22.00	24.00	2.00	-	-	302	-	-	1.4	77	1	138	-	90	72	347	31090	8990
91-104	12730	24.00	26.00	2.00	-	-	204	-	-	1.3	94	1	149	-	118	30	88	36070	6510
91-104	12731	26.00	28.00	2.00	-	-	138	-	-	0.9	117	1	131	-	47	16	35	39010	5020
91-104	12732	28.00	30.00	2.00	-	-	84	-	-	0.6	93	1	166	-	7	15	28	31380	5180
91-104	12733	30.00	32.00	2.00	-	-	67	-	-	0.6	86	1	161	-	10	16	23	31880	5380
91-104	12734	32.00	34.00	2.00	-	-	65	-	-	0.5	129	1	208	-	3	15	26	28640	2750
91-104	12735	34.00	36.00	2.00	-	-	110	-	-	2.7	261	12	170	-	7	39	58	23890	2350
91-104	12736	36.00	38.00	2.00	-	-	546	-	-	4.0	581	11	209	-	27	976	537	27870	2790
91-104	12737	38.00	40.00	2.00	-	-	660	-	-	1.7	611	6	231	-	13	134	59	31850	3170
91-104	12738	40.00	42.00	2.00	-	-	546	-	-	1.9	511	7	192	-	11	75	85	30730	4050
91-104	12739	42.00	44.00	2.00	-	-	500	-	-	1.6	312	1	184	-	9	364	74	29820	4120
91-104	12740	44.00	46.00	2.00	-	-	128	-	-	1.1	183	1	108	-	8	278	29	33780	4810
91-104	12741	46.00	48.00	2.00	-	-	100	-	-	0.5	156	1	93	-	9	36	32	31350	4790
91-104	12742	48.00	50.00	2.00	-	-	320	-	-	1.7	851	10	117	-	11	77	82	35800	4540
91-104	12743	50.00	52.00	2.00	-	-	161	-	-	0.3	180	2	130	-	5	27	19	32450	5450
91-104	12744	52.00	54.00	2.00	-	-	59	-	-	0.1	71	1	89	-	3	25	34	32800	7360
91-104	12745	54.00	56.00	2.00	-	-	345	-	-	1.5	244	1	103	-	29	301	485	38790	9280
91-104	12746	56.00	58.00	2.00	-	-	290	-	-	1.0	213	1	102	-	12	127	119	34120	7960
91-104	12747	58.00	60.00	2.00	-	-	499	-	-	1.7	351	2	104	-	32	400	507	48800	5440
91-104	12748	60.00	62.00	2.00	-	-	240	-	-	0.2	185	1	122	-	9	45	94	37840	5530
91-104	12749	62.00	64.00	2.00	-	-	690	-	-	3.7	371	1	91	-	159	1008	2905	52170	5540
91-104	12750	64.00	66.00	2.00	-	-	426	-	-	1.5	197	1	109	-	78	610	1113	35740	5310
91-104	12751	66.00	68.00	2.00	-	-	77	-	-	0.1	79	1	113	-	9	54	86	36330	5400
91-104	12752	68.00	70.00	2.00	-	-	296	-	-	1.7	215	1	36	-	37	296	426	39460	4950
91-104	12753	70.00	72.00	2.00	-	-	160	-	-	0.5	180	2	54	-	10	42	40	36020	4910
91-104	12754	72.00	74.00	2.00	-	-	540	-	-	1.8	306	1	57	-	80	218	1133	46590	4090
91-104	12755	74.00	76.00	2.00	-	-	188	-	-	0.9	199	1	139	-	27	59	57	31410	4180
91-104	12756	76.00	78.00	2.00	-	-	202	-	-	1.6	300	7	115	-	11	37	35	31960	4960
91-104	12757	78.00	80.00	2.00	-	-	168	-	-	1.2	349	3	155	-	9	22	9	29650	5260
91-104	12758	80.00	82.00	2.00	-	-	238	-	-	3.6	768	39	106	-	14	41	23	35490	5270
91-104	12759	82.00	84.00	2.00	-	-	261	-	-	5.4	1419	47	71	-	17	83	37	57910	5420
91-104	12760	84.00	86.00	2.00	-	-	202	-	-	3.8	1192	75	90	-	20	47	415	53770	10410
91-104	12761	86.00	88.00	2.00	-	-	181	-	-	1.5	283	8	98	-	35	150	109	34720	6490
91-104	12762	88.00	90.00	2.00	-	-	176	-	-	0.9	358	13	40	-	14	38	30	44280	5490
91-104	12763	90.00	92.00	2.00	-	-	320	-	-	1.1	248	1	45	-	31	69	30	41950	5620
91-104	12764	92.00	94.00	2.00	-	-	140	-	-	0.7	183	1	149	-	30	120	91	41040	6400
91-104	12765	94.00	96.00	2.00	-	-	159	-	-	1.0	344	3	61	-	18	22	25	29960	5420
91-104	12766	96.00	98.00	2.00	-	-	217	-	-	1.7	246	4	127	-	41	184	430	24930	6000
91-104	12767	98.00	100.00	2.00	-	-	141	-	-	2.0	190	2	124	-	25	275	244	28660	6440
91-104	12768	100.00	102.00	2.00	-	-	128	-	-	1.3	245	1	144	-	17	147	110	23160	5530

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-104	12769	102.00	104.00	2.00	-	-	196	-	-	0.5	104	1	94	-	15	71	424	33210	5390
91-104	12770	104.00	106.00	2.00	-	-	38	-	-	2.2	40	1	128	-	44	498	678	35640	6250
91-104	12771	106.00	108.00	2.00	-	-	50	-	-	1.6	47	1	97	-	30	673	706	36270	5990
91-104	12772	108.00	110.00	2.00	-	-	40	-	-	0.1	40	1	117	-	13	53	176	34970	5990
91-104	12773	110.00	112.00	2.00	-	-	80	-	-	3.2	57	2	108	-	107	1061	1706	39470	6350
91-104	12774	112.00	114.00	2.00	-	-	180	-	-	0.8	125	1	189	-	22	110	82	34620	5490
91-104	12775	114.00	116.00	2.00	-	-	140	-	-	0.4	67	1	97	-	26	88	112	46780	6410
91-104	12776	116.00	118.00	2.00	-	-	260	-	-	0.7	51	1	131	-	19	83	66	36820	5470
91-104	12777	118.00	120.00	2.00	-	-	100	-	-	0.7	67	1	103	-	25	151	133	30920	6610
91-104	12778	120.00	122.00	2.00	-	-	192	-	-	2.1	935	2	132	-	30	661	330	40610	5970
91-104	12779	122.00	124.00	2.00	-	-	176	-	-	1.1	290	1	107	-	28	326	36	37560	5100
91-104	12780	124.00	126.00	2.00	-	-	94	-	-	1.1	577	1	93	-	30	298	124	34280	4720
91-104	12781	126.00	128.00	2.00	-	-	81	-	-	1.0	691	1	115	-	29	195	227	34920	6470
91-104	12782	128.00	130.00	2.00	-	-	59	-	-	0.1	210	4	95	-	11	32	44	56880	5670
91-104	12783	130.00	132.00	2.00	-	-	35	-	-	0.1	98	1	76	-	7	23	29	42920	4770
91-104	12784	132.00	134.00	2.00	-	-	76	-	-	0.1	104	2	94	-	6	24	28	50240	5900
91-104	12785	134.00	136.00	2.00	-	-	65	-	-	0.2	70	16	74	-	5	21	27	52300	4950
91-104	12786	136.00	138.00	2.00	-	-	8	-	-	0.1	49	2	93	-	4	17	28	42080	6520
91-104	12787	138.00	139.29	1.29	-	-	41	-	-	0.1	72	1	70	-	4	17	21	44620	5450

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ97+98
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12703	.8	16880	85	3	96	.1	1	16510	.1	15	15	46670	2720	12	12440	1855	1	180	1	1800	263	1	30	1	59	117.2	347	5	1	5	72	60	
12704	.6	13870	119	3	110	.1	1	6430	.1	13	12	40000	3450	7	8960	680	1	170	1	1870	143	1	13	1	42	94.2	326	4	1	4	65	143	
12705	.1	16170	61	3	101	.1	1	5520	.1	16	8	44580	3280	10	10820	764	1	180	1	1840	41	1	12	1	52	105.3	54	4	1	5	86	39	
12706	.6	17530	36	3	100	.1	1	5560	.1	14	9	41640	2800	13	12770	857	1	190	1	1910	275	1	12	1	51	109.0	438	5	1	4	68	26	
12707	1.5	17030	42	2	100	.1	2	12310	.1	15	31	38810	1880	13	13760	1533	1	220	1	1960	390	2	26	1	49	147.8	457	7	1	5	64	17	
12708	2.4	8320	130	6	101	.1	1	8100	1.6	28	17	32830	2460	5	5600	646	12	140	1	1930	576	3	20	1	31	74.9	863	3	1	3	52	80	
12709	1.9	8880	76	4	90	.1	1	7760	.1	19	50	27520	2960	5	5680	499	7	80	1	2050	167	2	18	1	30	54.8	204	3	1	4	61	40	
12710	.2	13610	156	11	76	.2	1	5220	.1	14	9	42510	3010	10	7570	494	2	80	1	1540	38	1	10	1	41	59.5	64	4	1	3	40	114	
12711	.9	7300	99	7	90	.1	1	5380	.1	15	15	28030	2970	4	2700	238	1	110	1	1850	168	1	11	1	38	40.2	262	1	1	2	35	70	
12712	1.3	13920	98	9	104	.1	1	5390	.1	19	25	44220	3520	9	7510	547	3	80	1	1950	296	1	11	1	50	64.7	631	3	1	2	25	41	
12713	2.3	15890	72	6	87	.1	2	5700	.1	22	179	39400	2490	10	11700	847	9	180	1	1820	273	2	14	1	44	93.8	470	7	1	3	32	80	
12714	3.1	20300	80	6	100	.1	1	5550	.1	28	238	48550	3350	14	13500	966	8	210	1	1940	332	2	12	1	43	117.9	407	5	1	3	29	62	
12715	1.0	16160	103	6	90	.1	1	5180	.1	16	49	44190	3770	10	7900	709	1	170	1	1790	453	1	11	1	53	86.9	690	4	1	2	37	43	
12716	2.3	11790	72	5	96	.1	1	5600	.1	12	100	32180	4340	5	4370	392	1	120	1	1880	583	6	13	1	43	55.0	519	2	1	2	33	61	
12717	1.1	6450	73	4	100	.2	1	5490	.1	19	20	21370	3720	1	1100	108	2	210	1	1920	120	1	12	1	38	34.8	239	1	1	2	41	96	
12718	.2	8310	212	5	187	.1	1	11950	.1	15	7	31430	3220	3	3260	912	5	180	1	1460	45	1	29	1	43	21.5	36	1	1	3	64	74	
12719	1.1	7310	262	5	209	.1	1	14070	.3	12	18	36320	3460	2	4270	1126	2	900	1	1410	750	1	30	1	38	19.6	622	1	1	3	69	755	
12720	1.1	11310	294	5	306	.1	1	8350	.1	14	18	40040	4270	4	3660	663	2	850	1	1390	922	2	21	1	41	24.9	255	1	1	2	54	417	
12721	.8	13870	182	4	251	.2	1	8170	.1	10	96	34270	4910	6	4480	871	2	1000	1	1200	279	1	18	2	44	24.3	354	2	1	4	83	202	
12722	.2	12950	44	4	209	.1	1	9510	.1	10	39	30700	4710	5	3750	1065	2	830	1	1230	143	1	19	2	37	19.5	183	3	1	2	42	41	
12723	.1	12550	32	4	252	.3	1	5540	.1	11	15	22910	5780	3	1730	359	2	920	1	1230	55	1	13	2	38	18.0	75	2	1	3	57	32	
12724	4.0	9070	60	3	218	.1	1	7210	2.4	9	84	29350	4120	3	1960	508	2	270	1	1240	1117	1	15	2	36	17.6	915	2	1	2	42	60	
12725	1.3	11030	63	3	219	.1	1	8060	.1	8	45	31040	4590	5	3280	660	1	1140	1	1340	380	1	18	2	38	17.6	500	2	1	2	54	65	
12726	.3	7950	79	3	200	.1	1	7310	.1	7	8	29600	4250	2	1550	324	1	1370	1	1250	102	1	16	1	40	14.4	212	1	1	4	96	62	
12727	1.0	7520	125	3	168	.1	1	5560	5.1	8	40	31720	4070	2	1600	152	1	280	1	1300	112	1	10	1	44	12.7	1445	1	1	1	46	120	
12728	1.8	8350	83	2	176	.1	1	5430	7.3	6	92	26190	4200	3	1830	190	1	810	1	1290	475	1	10	2	29	12.5	1745	2	1	2	80	341	
12729	1.4	9240	77	2	138	.1	1	8990	.1	9	90	31090	3530	5	2930	636	1	180	1	1330	72	1	18	2	29	20.4	347	2	1	2	47	302	
12730	1.3	8300	94	2	149	.1	1	6510	.1	11	118	36070	3390	5	2500	320	1	700	1	1350	30	1	15	1	32	24.8	88	1	1	4	83	204	
12731	.9	7620	117	2	131	.1	1	5020	.1	13	47	39010	3910	3	1850	187	1	100	1	1380	16	1	9	1	28	21.1	35	1	1	2	46	138	
12732	.6	6870	93	2	166	.1	1	5180	.1	13	7	31380	4520	1	460	69	1	110	1	1560	15	1	9	1	37	20.0	28	1	1	3	81	84	
12733	.6	7000	86	2	161	.1	1	5380	.1	10	10	31880	4570	1	390	37	1	860	1	1610	16	1	9	1	38	17.1	23	1	1	3	61	67	
12734	.5	8680	129	3	208	.2	1	2750	.1	10	3	28640	5330	1	440	11	5	50	1	720	15	1	7	1	44	16.6	26	1	1	3	81	65	
12735	2.7	4370	261	2	170	.1	1	2350	.1	7	7	23890	3230	1	210	13	2	980	1	570	39	12	5	1	23	9.0	58	1	1	5	112	110	
12736	4.0	2260	581	1	209	.1	1	2790	.1	6	27	27870	2220	1	100	15	6	680	1	670	976	11	7	1	19	5.1	537	1	1	3	86	546	
12737	1.7	2970	611	2	231	.1	1	3170	.1	9	13	31850	2580	1	140	24	2	860	1	790	134	6	7	1	28	8.0	59	1	1	5	126	660	
12738	1.9	2610	511	2	192	.1	1	4050	.1	9	11	30730	2260	1	170	18	5	90	1	1100	75	7	8	1	22	8.3	85	1	1	4	100	546	
12739	1.6	3170	312	1	184	.1	1	4120	.1	9	9	29820	2600	1	190	19	2	840	1	1170	364	1	9	1	29	9.7	74	1	1	5	121	500	
12740	1.1	6780	183	3	108	.1	1	4810	.1	11	8	33780	4570	1	450	56	4	720	1	1430	278	1	8	1	27	15.3	29	1	1	4	91	128	
12741	.5	7300	156	3	93	.1	1	4790	.1	11	9	31350	4630	1	470	41	1	2540	1	1360	36	1	8	1	27	16.3	32	1	1	4	106	100	
12742	1.7	5040	851	2	117	.1	1	4540	.1	10	11	35800	3460	1	340	23	1	1020	1	1270	77	10	8	1	30	14.2	82	1	1	4	95	320	
12743	.3	9900	180	2	130	.1	1	5450	.1	10	5	32450	3920	5	3760	328	2	1070	1	1470	27	2	11	1	28	31.0	19	3	1	5	105	161	
12744	.1	12880	71	2	89	.1	1	7360	.1	10	3	32800	3580	9	6620	525	1	1100	1	1550	25	1	14	2	32	40.8	34	4	1	3	63	59	
12745	1.5	7790	244	2	103	.1	1	9280	.1	11	29	38790	3740	3	2620	551	3	1080	1	1310	301	1	16	1	27	21.7	485	1	1	4	103	345	
12746	1.0	9000	213	2	102	.1	1	7960	.1	10	12	34120	3820	4	3860	452	1	810	1	1420	127	1	15	2	26	24.9	119	3	1	3	73	290	
12747	1.7	7100	351	3	104	.1	1	5440	.1	13	32	48800	3160	3	2880	287	1	1210	1	1310	400	2	9	1	22	22.8	507	1	1	5	120	499	
12748	.2	9540	185	7	122	.1	1	5530	.1	12	9	37840	3580	6	4640	396	1	140	1	1440	45	1	11	1	31	29.8	94	2	1	3	45	240	
12749	3.7	8610	371	6	91	.1	1	5540	13.0	14	159	52170	3670	3	3240	290	1	1020	1	1340	1008	1	10	1	31	25.9	2905	1	1	1	54	690	
12750	1.5	14030	197	6	109	.2	1	5310	2.0	10	78	35740	6010	5	4100	408	1	780	1	1450	610	1	10	1	38	34.3	1113	2	1	3	78	426	
12751	.1	13190	79	4	113	.1	1	5400	.1	11	9	36330	5680	5	3710	533	1	860	1	1500	54	1	10	1	33	33.3	86	1	1	4	90	77	
12752	1.7	10740	215	5	36	.1	1	4950	.1	13	37	39460	6100	1	1270	136	1	140	1	1410	296	1	8	1	25	26.4	426	1	1	3	58	296	
12753	.5	8270	180	5	54	.1	1	4910	.1	12	10	36020	5010	1	680	56	1	970	1	1410	42	2	8	1	29	19.9	40	1	1	3	78	160	
12754	1.8	6580	306	5	57	.1	1	4090	3.4	12	80	46590	4010	1	520	42	1	1100	1	1050	218	1	6	1	25	19.8	1133	1	1	2	78	540	
12755	.9	2820	199	2	139	.1	1	4180	.1	11	27	31410	2420	1	200	31	1	740	1	1100	59	1	8	1	33	14.5	57	1	1	4	101	188	
12756	1.6	3710	300	3	115	.1	1	4960	.1	13	11	31960	3130	1	200	14	2	50	1	1500	37	7	10	1	32	19.5	35	1	1	4	89	202	
12757	1.2	3190	349	3	155	.1	1	5260	.1	14	9	29650	2960	1	170	19	2	60	1	1570	22	3	11	1	33	18.0	9	1	1	3	83	168	
12758	3.6	3070	768	1	106	.1	1	5270	.1	16	14	35490	2810	1	160	35	6	50	1	1460	41	39	11	1	27	16.3	23	1	1	3	84	238	

91-104

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ99+100
DATE: 91/10/17
* ROCK * (ACT:F31)

91-104

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12759	5.4	2450	1419	3	71	.1	1	5420	.1	20	17	57910	2380	1	130	29	3	960	1	1390	83	47	11	1	25	11.9	37	1	1	2	64	261	
12760	3.8	2290	1192	4	90	.1	1	10410	.1	14	20	53770	2140	1	150	152	1	890	1	1330	47	75	17	1	23	10.7	415	1	1	2	61	202	
12761	1.5	3720	283	2	98	.1	1	6490	.1	15	35	34720	3030	1	210	54	2	40	1	1560	150	8	13	1	27	21.9	109	1	1	3	74	181	
12762	.9	5030	358	2	40	.1	1	5490	.1	15	14	44280	3600	1	350	34	1	680	1	1430	38	13	10	1	31	26.3	30	1	1	2	58	176	
12763	1.1	4520	248	2	45	.1	1	5620	.1	20	31	41950	3430	1	430	70	2	40	1	1550	69	1	12	1	34	25.5	30	1	1	3	66	320	
12764	.7	5140	183	2	149	.1	1	6400	.1	17	30	41040	4090	1	860	168	1	840	1	1790	120	1	14	1	37	23.7	91	1	1	4	90	140	
12765	1.0	4890	344	2	61	.1	1	5420	.1	11	18	29960	3670	1	300	18	1	40	1	1690	22	3	11	1	26	21.1	25	1	1	2	56	159	
12766	1.7	4040	246	1	127	.1	1	6000	.1	14	41	24930	3190	1	230	55	1	680	1	1700	184	4	14	1	34	22.3	430	1	1	3	67	217	
12767	2.0	6970	190	3	124	.1	1	6440	.1	20	25	28660	4760	1	400	18	1	50	1	2110	275	2	13	1	37	33.5	244	1	1	2	49	141	
12768	1.3	6340	245	2	144	.1	1	5530	.1	11	17	23160	4470	1	430	37	2	60	1	1690	147	1	12	1	35	24.3	110	1	1	3	71	128	
12769	.5	6410	104	2	94	.1	1	5390	.1	10	15	33210	4470	1	950	128	3	100	1	1430	71	1	11	1	26	18.9	424	1	1	2	58	196	
12770	2.2	12810	40	6	128	.1	1	6250	.1	9	44	35640	4030	7	6280	488	1	130	1	1430	498	1	11	2	36	44.3	678	3	1	3	54	38	
12771	1.6	10320	47	3	97	.1	1	5990	.6	9	30	36270	3790	5	5310	450	1	130	1	1440	673	1	12	2	29	35.2	706	3	1	2	46	50	
12772	.1	10420	40	7	117	.1	1	5990	.1	10	13	34970	5810	2	3860	397	1	230	1	1700	53	1	13	1	30	32.1	176	2	1	2	34	40	
12773	3.2	10310	57	5	108	.1	1	6350	5.4	11	107	39470	4090	5	4180	461	1	140	1	1540	1061	2	13	2	30	36.6	1706	2	1	2	44	80	
12774	.8	11920	125	5	189	.1	1	5490	.1	10	22	34620	5700	3	2870	275	1	130	1	1650	110	1	10	2	43	32.4	82	1	1	2	40	180	
12775	.4	13040	67	4	97	.1	1	6410	.1	12	26	46780	4300	7	5100	495	1	110	1	1620	88	1	10	1	38	41.3	112	2	1	2	35	140	
12776	.7	8960	51	3	131	.1	1	5470	.1	9	19	36820	3900	4	3950	399	1	850	1	1480	83	1	13	1	30	32.5	66	2	1	3	54	260	
12777	.7	7220	67	2	103	.1	1	6610	.1	9	25	30920	2740	4	2990	344	1	720	1	1580	151	1	12	1	28	34.2	133	2	1	2	38	100	
12778	2.1	5210	935	6	132	.1	1	5970	.1	12	30	40610	2130	3	2970	319	1	120	1	1360	661	2	17	1	43	30.3	330	1	1	2	41	192	
12779	1.1	5910	290	4	107	.1	1	5100	.1	12	28	37560	3080	2	2500	277	1	80	1	1370	326	1	12	1	38	26.1	36	1	1	3	61	176	
12780	1.1	7130	577	3	93	.1	1	4720	.1	11	30	34280	2710	3	3550	333	1	80	1	1490	298	1	9	1	40	31.5	124	2	1	3	50	94	
12781	1.0	6480	691	3	115	.1	1	6470	.1	12	29	34920	3230	1	3520	422	1	170	1	1560	195	1	18	1	36	30.5	227	1	1	3	52	81	
12782	.1	14090	210	4	95	.1	1	5670	.1	15	11	56880	3600	8	10060	989	1	160	1	1780	32	4	13	1	43	64.6	44	3	1	3	30	59	
12783	.1	14880	98	2	76	.1	1	4770	.1	12	7	42920	3170	8	10690	932	1	190	1	1450	23	1	11	2	43	63.9	29	6	1	3	39	35	
12784	.1	16140	104	2	94	.1	1	5900	.1	12	6	50240	3320	9	11990	1048	1	200	1	1590	24	2	12	2	45	68.0	28	5	1	4	51	76	
12785	.2	14210	70	2	74	.1	1	4950	.1	11	5	52300	2710	8	10890	1020	1	170	1	1410	21	16	9	1	38	58.7	27	4	1	3	44	65	
12786	.1	14760	49	1	93	.1	1	6520	.1	12	4	42080	3090	8	11450	1222	1	220	1	1500	17	2	14	2	39	62.3	28	4	1	3	39	8	
12787	.1	12140	72	1	70	.1	1	5450	.1	12	4	44620	2650	7	9710	894	1	190	1	1460	17	1	11	2	32	51.4	21	4	1	2	34	41	
12788	1.1	11580	66	9	144	.5	2	8510	.1	12	35	35040	4170	7	6440	789	3	780	14	870	52	7	12	1	43	20.1	238	2	1	2	37	22	150
12789	2.4	10850	63	7	225	.5	1	11050	.1	12	26	39060	5050	3	5410	960	2	680	4	980	66	11	15	1	28	20.3	202	1	1	2	33	50	170
12790	3.7	9970	64	6	213	.5	1	6420	6.0	12	40	36730	5180	1	2960	620	3	810	6	930	101	15	9	1	25	17.4	1312	1	1	1	28	60	135
12791	3.8	8990	440	6	201	.5	1	5840	.1	11	26	34800	5020	1	1160	236	3	710	2	880	75	13	8	1	28	15.1	398	1	1	2	42	163	140
12792	5.1	11690	699	6	163	.8	1	4350	7.1	13	63	39050	6510	1	1050	114	3	950	2	920	82	18	8	1	29	18.5	595	1	1	2	43	325	150
12793	4.3	11170	686	5	131	.6	1	5400	.1	13	55	41600	5870	1	2030	236	2	800	2	990	83	14	9	1	24	19.8	755	1	1	2	48	320	125
12794	5.2	10880	315	5	173	.5	1	5130	.1	12	23	38650	6150	1	900	78	3	1230	3	980	71	15	8	1	27	18.2	86	1	1	2	46	187	140
12795	5.3	6380	217	3	178	.3	1	3470	.1	10	153	33620	3650	1	480	71	2	680	2	720	78	12	6	1	19	10.4	225	1	1	1	27	141	165
12796	5.6	8510	372	4	189	.5	1	5390	1.5	11	100	38170	4770	1	750	133	3	630	1	950	124	13	11	1	24	13.0	520	1	1	1	35	159	155
12797	6.3	8270	131	3	149	.4	1	6380	.1	12	41	39650	4580	1	1330	167	1	790	3	950	83	13	9	1	21	13.3	144	1	1	1	25	132	150
12798	3.1	8900	643	3	152	.4	1	4780	.1	11	80	33630	4290	2	1750	91	2	850	4	1000	140	7	8	1	22	14.0	409	1	1	1	39	166	115
12799	3.3	8960	656	3	124	.3	1	6400	.1	11	40	39950	3280	4	2860	251	1	630	1	860	59	11	9	1	19	13.5	501	1	1	1	30	218	155
12800	3.9	12270	1342	3	204	.3	1	19900	.1	11	45	45520	4010	7	5260	1219	2	770	1	890	67	16	25	1	25	19.1	1266	1	1	1	35	345	180
12801	2.0	18060	78	3	179	.4	1	15070	.1	13	31	39360	4600	12	7520	814	2	970	2	1020	35	8	18	1	31	29.3	386	3	1	2	41	63	115
12802	2.7	16510	69	3	229	.5	2	33500	.1	10	26	38500	4530	10	8870	1526	2	910	3	880	36	9	39	1	31	23.4	128	3	1	2	35	100	165
12803	3.0	13590	70	4	138	.4	2	20010	.1	11	30	37690	3850	8	6160	1016	2	660	2	920	42	10	27	1	27	20.1	98	2	1	2	30	102	145
12804	2.5	11470	77	2	179	.3	1	16300	.1	10	38	38170	3120	8	5020	600	4	620	5	920	43	13	25	1	20	14.5	121	1	1	1	31	84	180
12805	1.1	12960	55	3	195	.2	1	20080	.1	9	26	38200	3740	7	5020	712	5	640	1	940	30	13	35	1	27	17.9	61	2	1	1	26	57	200
12806	.6	15390	34	2	174	.5	1	19780	.1	9	13	28890	4010	10	5630	527	3	790	4	950	20	3	34	1	32	22.1	91	3	1	2	34	2	65
12807	.8	16960	29	2	186	.4	1	40020	.1	9	13	31070	3730	12	6630	883	2	850	1	830	20	4	54	1	31	26.3	535	4	1	2	30	4	75
12808	.8	18550	28	3	160	.3	2	35880	.1	8	14	29930	4320	12	6950	876	2	1090	1	800	24	4	48	1	37	27.7	70	4	1	3	38	10	80
12809	1.1	14330	31	2	136	.3	1	39570	.1	9	13	28960	3730	8	5570	836	2	750	1	800	25	5	54	1	29	21.9	65	3	1	2	26	12	100
12810	1.2	14260	32	2	143	.3	1	21330	.1	11	15	36150	3770	8	5740	771	3	1000	1	850	30	8	36	1	32	26.1	67	2	1	2	33	16	145
12811	1.2	15040	41	4	181	.5	1	13720	.1	10	20	41540	4930	7	4900	548	2	850	1	680	34	9	22	1	35	25.0	78	1	1	2	27	20	175
12812	1.8	13350	51	3	197	.5	1	13670	.1	10	23	35650	4260	6	4390	607	1	720	1	780	37	9	22	1	29	22.5	111	2	1	1	21	30	200
12813	1.6	15080	51	2	156	.4	1	17320	.1	10	15	38750	4350	7	5110	877	2	910	1	840	34	7	25	1	33	30.0	64	2	1	2	30	27	140
12814	2.6	11130	39	2	143	.1	1	16110	.1	9	15	33470	3740	5	3880	781	3	920	1	790	35	6	24	1	28	23.1	93	1	1	2	34	60	175

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-105
PAGE 1 OF 8

TESTS

Meterage	Dip	Azimuth
0	-45°	117°
137.9	-42°	—

COLLAR SURVEY:

Northing: 10679.02
Easting: 9799.40
Elevation: 1167.27
Azimuth: 117.5
Dip: -44.5
IP Grid Coordinates: 10689N / 9792E

CORE BQTW

Section: 10680 N
Date Started: Aug 23/91
Date Finnished: Aug 24/91
Date Logged: Aug 26/91

Total Depth: 137.9
Casing Depth 3.05m
Casing Left In: YES
Logged By: M ARCHAMBAULT
Comments:

SAMPLE NUMBERS

12788 To 12855
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	3.05	CASING
3.05	72.00	BLACK TUFFACEOUS MUDSTONE (2.8)
		Lithology: Black, massive with a trace of pyrite indicating a weak bedding
		It becomes turbiditic at 38.7m where a few broken fossil fragments indicate grading
		towards the top, and also becomes slightly calcareous - Minor fossils
		Graded beds become stronger, more prominent and more frequent
		Some of the crystals are replaced by pyrite
		The base of graded beds are at:
		38.7m 15cm Plagioclase crystals - calcareous - 20% in muddy matrix
		45.0 - 47.1m BLACK CRYSTAL TUFF (1.8) <1mm in diameter - calcareous - 50% crystals
		with minor fragments throughout - Also mudstone and tuff fragments <5mm near base
		49.85m 20cm of crystal tuff - 40% crystals
		50.4 10cm of graded fragments with some rounded mudstone clasts up to 2cm in diameter
		near the base, matrix supported. Well bedded. polymictic, tuff, rhyolite, pyrite <5mm in diameter

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-105 PAGE 2 OF 8

56.3 – 58.6 HEMATITIC POLYMICTIC VOLCANIC WACKE (2.4)

Lithology: 56.3 m 30 cm clasts < 0.5 mm

57.7 – 57.95 m – ! Two ! large rounded tuffaceous? fragments 9 and 13 cm in diameter show a black core with small white calcite crystals? and a pale green "reaction rim" 1 to 3 cm wide and smaller fragments of tuff 0.5 – 2 cm in diameter also rounded but do not have reaction rims. It has a sharp contact at 57.95 m – May not be a clast?

57.95 – 58.6 Bed of polymictic conglomerate with large fragments 2 mm to 3 cm, rounded, of tuff, mudstone, chert and pyritized fragments. Matrix supported in a gritty matrix slightly calcareous

60.4 m Conglomerate as 57.95 – 58.6 but smaller pebbles < 8 mm, graded over 30 cm, mainly of tuff with white crystals of plagioclase? throughout < 0.5 mm

61.1 m Conglomerate as 57.95 – 58.6 Tuff dominated

63.8 – 64.25 m Medium green mudstone has a tuffaceous content, massive

65.5 – 65.75 m Siltstone to fine sandstone size, medium green tuffaceous, massive with minor fragments < 3 mm of mudstone and tuff

Structure: Bedding 14.9 m 45° to c.a

29.8 m 50° to c.a

38.7 m 45° to c.a

47.1 m 60° to c.a

50.2 m 65° to c.a

65.5 m 50° to c.a

Slickenside 19.3 m – 40° to c.a

27.8 m 70° ± 50° to c.a

Lower contact is faulted – 35° to c.a

Alteration –

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-105 PAGE 3 OF 8
		Mineralization: Pyrite is disseminated <1% in small veinlets <3mm wide at various orientations 3.05-25m ≈1% 25m-65.1m <0.5% and as replacement of feldspar crystals ≪0.5	
72.00	75.80	INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA (1.7)	
		Lithology: Same as the base of the previous interval but dominated by the volcanic component. Mudstones are tuffaceous and grade from medium green to black. Grading is not as well defined, some short sections ≈20cm contain 30% of sandy fragments + rare pebble. Conglomerate bed 72.4-74.1 formed mainly of tuff pebbles 2mm to 5cm in diameter with rare mudstone, a clasty pebble fragment supported in a grainy tuffaceous matrix 60-70% 30-40%. 74.1-75.8 Massive tuffaceous siltstone	
		Structure: Slickenside 69.1m 0°-15°-25° to c.a. in different orientations	
		Alteration: Weak sericite	
		Mineralization: Pyrite veinlets <3mm in various orientations 1%. Very fine grained pyrite disseminated and forming rim around some pebbles ≈2%	
75.8	85.0	INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA (1.7) +/- INTERMEDIATE FRAGMENTAL -LAPILLI (1.5L)	
		Lithology: Pale to medium green. Large lapilli 2mm to 5cm, sub rounded to sub angular, in a strongly	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-105 PAGE 4 OF 8
		Tuffaceous matrix	
		Structure: -	
		Alteration: Strong pervasive sericite	
		Mineralization: Very fine disseminated pyrite 2% Preferential pyritization of some of the fragments	
		79.8 - 85.0	
		Lithology: Pale greyish green, massive, speckled with black grains < 0.5 mm	
		Structure: 78.1 - 78.5 Fault 0 - 20° to c.a.	
		78.9 - Slickenside 15° to c.a	
		79.2 50° & 15° to c.a in different orientations	
		79.8 - 82.5 Fault zone very broken minor gouge, 0° to 45° to c.a	
		83.7 Slickenside 20° & 60° to c.a	
		84.6 75° to c.a	
		Alteration: Intense sericite	
		Mineralization: Coarse disseminated pyrite 1-2 mm ≈ 3%	
		Pyrite veinlets - trace	
		Trace of disseminated red coloured sphalerite at 84.7 m	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-105 PAGE 5 OF 8
85.0	103.30	INTERMEDIATE FRAGMENTAL -LAPILLI -K-SPAR-SERICITE-PYRITE, CRACKLE BRECCIA (1.5 L bBx C)	
		85.0 - 85.85	
		Lithology: Medium greenish grey, fine grained with 1% very small <0.5 mm black grains, massive	
		Large (up to 6 cm) fragments of Tuff are matrix supported 85.0 - 85.4 m	
		Matrix is of similar composition to the fragments	
		Structure: Faulted lower contact sub parallel to c.a.	
		Alteration: Weak sericite	
		Mineralization: Disseminated pyrite <0.5%	
		Pyrite veinlets, irregular ≈ 3mm wide minor calcite ≈ 2%	
		85.85 - 88.1	
		Lithology: Sub angular to sub rounded rhyolite fragments in a dark grey - black siliceous matrix	
		Fragments vary 1mm to 2 cm in diameter and are matrix supported. 30-40% fragments	
		Matrix is black, aphanitic and siliceous with 20% of disseminated pyrite. The colour	
		may be caused by rock flour.	
		Interpreted as a phreatic breccia	
		Structure: Slickenside 86.0 m 0° to c.a., broken core ≈ 5 cm	
		Faulted upper contact.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-105 PAGE 6 OF 8

Alteration: Intense K spar alteration of the fragments. Trace of secondary ilmenite in some fragments

Mineralization: Disseminated, to semi-massive in places, pyrite. Very fine to medium grained < 2 mm in diameter, occurs in the matrix 5-10%, ≈ 0.5% in fragments

88.1 - 103.3

Lithology: Medium grey, massive, crackle breccia texture. Weak speckled texture caused by very small more mafic grains << 0.5 mm, and pyrite grains ≈ 1%.
Stained pieces show very small plagioclase crystals. 2-5%
Interpreted as a massive dyke

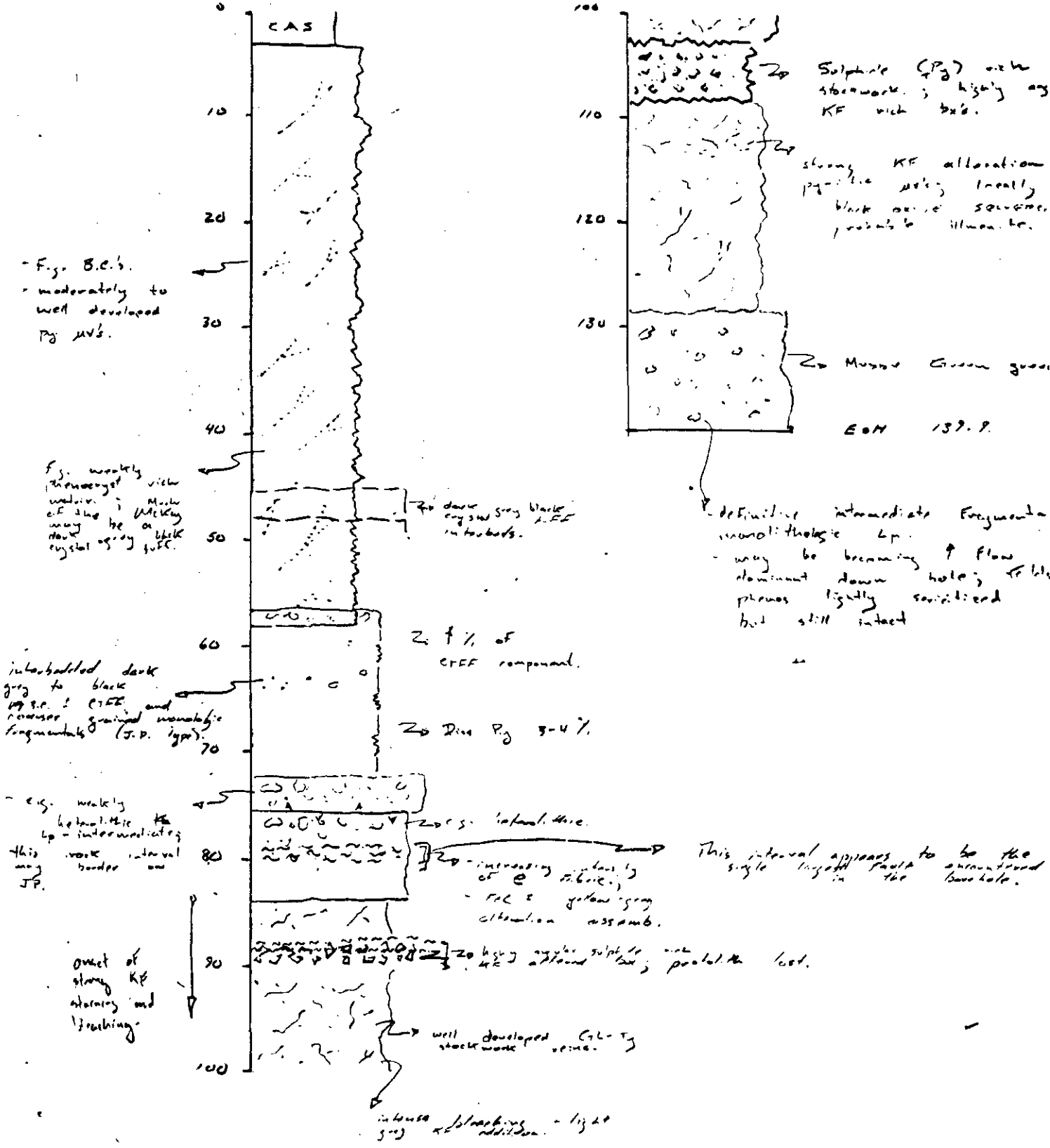
Structure: Slickenside 97.2 m 30° to c.a.
100.3 m 40° to c.a
102.65 m 40° to c.a

Alteration: Intense K spar.

Mineralization: Disseminated pyrite, fine to coarse < 3 mm < 1%
Pyrite veinlets, irregular < 2 mm wide in general but up to 1 cm wide ≈ 3%
Galena grains and trace of sphalerite in a pyrite vein at 94.25 m.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-105 PAGE 7 OF 8
103.3	110.1	INTERMEDIATE FRAGMENTAL -LAPILLI, -K-SPAR-SERICITE-PYRITE, -CRACKLE BRECCIA + PYRITE (1.5L-bBxC+py)	
		Lithology: Sub-angular to sub-rounded rhyolite fragments 95% and quartz fragments ≈ 5% in a dark grey to black siliceous and pyritic matrix. Fragments vary from 1mm to 12 cm but are generally 1mm to 2cm. They are matrix supported and form 40-50% of the rock. Rhyolite fragments show small plagioclase crystals when stained. The matrix is black, aphanitic, siliceous with 20% of disseminated pyrite. The colour may be caused by rock flour. It is interpreted as a phreatic breccia.	
		Structure: 104.9m slickenside 60° to c.a.	
		107.5m 0° to c.a.	
		110.5m 15° to c.a.	
		Alteration: Intense Kaper of the fragments (rhyolite). White quartz veining irregular and < 5cm at 107.3-107.7m & 108.6-109.1m	
		Mineralization: Disseminated to semi-massive pyrite in the matrix ≈ 10%	
		Disseminated pyrite in the fragments ≈ 1%	
		Disseminated grains of galena, sphalerite and trace chalcopyrite in the matrix < 0.5%	
110.1	128.7	INTERMEDIATE FRAGMENTAL -LAPILLI -K-SPAR-SERICITE-PYRITE, CRACKLE-BRECCIA (1.5 L b BxC)	
		Lithology: Medium grey, massive, crackle breccia Texture	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-105 PAGE 8 OF 8
		Structure: Slickenside: 115.2 m 30-35° to c.a.	Crackle breccia is more spread in places
		116.8 25° to c.a.	– brecciated at 103.3-110.1 for short intervals
			5-10 cm.
		Alteration: Pervasive K spar	
		Mineralization: Disseminated pyrite, fine and coarse <0.5%	
		Pyrite veinlets – irregular < 1mm wide, trace calcite 2%	
128.7	139.9	INTERMEDIATE FRAGMENTAL – LAPILLI – SERICITE (1.5 L.a)	
		Lithology: Medium-dark greyish green, massive, aphanitic	
		Grades into a rhyolitic composition from 135.7-136.0m	
		Hosts of crackle to phreatic? brecciation in places i.e faint.	
		Structure: Slickenside 132.3m 30° to c.a	138.4m 0° to c.a
		132.7m 45° to c.a	
		136.2 30° to c.a	
		Alteration: Intense pervasive K spar	Calcite veinlets <4mm wide from 138.4-139.9 ≈2%
		Weak chlorite	
		Mineralization: Disseminated pyrite <1% Pyrite veinlets <1%	
	139.9	End of Hole	


CAS
0
10
20
30
40
50
60
70
80
90
100
110
120
130
- F.g. B.c.'s.
- moderately to well developed Pg μV's.
f.g. weakly thermometgt vein material; Much of the Wacky may be a black crystal tuff.
dark grey to black crystal tuff.
interbedded dark grey to black Pg f.c. & CTFF and coarser grained monolithic fragmentals (J.P. type).
- e.g. weakly heterolithic the Lp - intermediate this work interval may border on J.P.
Zo ↑ % of CTFF component.
Zo Diss Pg 3-4 %.
Zo e.g. heterolithic.
Zo - increasing % of e fabric.
- rare yellow-grey alteration assemb.
Zo highly angular sulphide fragments parallel the foliation.
well developed stockwork veins.
Effect of strong KF alteration and leaching.
Sulphide (Pg) veins stockwork; highly aq KF rich bx's.
strong KF alteration pg-rich μV's; locally black oxide sequence probably illmenite.
Zo Massive Green gree
EOH 139.9.
definitive intermediate fragmental monolithologic Lp.
- may be becoming ↑ flow dominant down hole; fragments lightly sericitized but still intact
This interval appears to be the single largest fault in the entire hole.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-105	12788	3.05	5.00	1.95	-	-	22	-	-	1.1	66	7	144	150	35	52	238	35040	8510
91-105	12789	5.00	7.00	2.00	-	-	50	-	-	2.4	63	11	225	170	26	66	202	39060	11050
91-105	12790	7.00	9.00	2.00	-	-	60	-	-	3.7	64	15	213	135	40	101	1312	36730	6420
91-105	12791	9.00	11.00	2.00	-	-	163	-	-	3.8	440	13	201	140	26	75	398	34800	5840
91-105	12792	11.00	13.00	2.00	-	-	325	-	-	5.1	699	18	163	150	63	82	595	39050	4350
91-105	12793	13.00	15.00	2.00	-	-	320	-	-	4.3	686	14	131	125	55	83	755	41600	5400
91-105	12794	15.00	17.00	2.00	-	-	187	-	-	5.2	315	15	173	140	23	71	86	38650	5130
91-105	12795	17.00	19.00	2.00	-	-	141	-	-	5.3	217	12	178	165	153	78	225	33620	3470
91-105	12796	19.00	21.00	2.00	-	-	159	-	-	5.6	372	13	189	155	100	124	520	38170	5390
91-105	12797	21.00	23.00	2.00	-	-	132	-	-	6.3	131	13	149	150	41	83	144	39650	6380
91-105	12798	23.00	25.00	2.00	-	-	166	-	-	3.1	643	7	152	115	80	140	409	33630	4780
91-105	12799	25.00	27.00	2.00	-	-	218	-	-	3.3	656	11	124	155	40	59	501	39950	6400
91-105	12800	27.00	29.00	2.00	-	-	345	-	-	3.9	1342	16	204	180	45	67	1266	45520	19900
91-105	12801	29.00	31.00	2.00	-	-	63	-	-	2.0	78	8	179	115	31	35	386	39360	15070
91-105	12802	31.00	33.00	2.00	-	-	100	-	-	2.7	69	9	229	165	26	36	128	38500	33500
91-105	12803	33.00	35.00	2.00	-	-	102	-	-	3.0	70	10	138	145	30	42	98	37690	20010
91-105	12804	35.00	37.00	2.00	-	-	84	-	-	2.5	77	13	179	180	38	43	121	38170	16300
91-105	12805	37.00	39.00	2.00	-	-	57	-	-	1.1	55	13	195	200	26	30	61	38200	20080
91-105	12806	39.00	41.00	2.00	-	-	2	-	-	0.6	34	3	174	65	13	20	91	28890	19780
91-105	12807	41.00	43.00	2.00	-	-	4	-	-	0.8	29	4	186	75	13	20	535	31070	40020
91-105	12808	43.00	45.00	2.00	-	-	10	-	-	0.8	28	4	160	80	14	24	70	29930	35880
91-105	12809	45.00	47.00	2.00	-	-	12	-	-	1.1	31	5	136	100	13	25	65	28960	39570
91-105	12810	47.00	49.00	2.00	-	-	16	-	-	1.2	32	8	143	145	15	30	67	36150	21330
91-105	12811	49.00	51.00	2.00	-	-	20	-	-	1.2	41	9	181	175	20	34	78	41540	13720
91-105	12812	51.00	53.00	2.00	-	-	30	-	-	1.8	51	9	197	200	23	37	111	35650	13670
91-105	12813	53.00	55.00	2.00	-	-	27	-	-	1.6	51	7	156	140	15	34	64	38750	17320
91-105	12814	55.00	57.00	2.00	-	-	60	-	-	2.6	39	6	143	175	15	35	93	33470	16110
91-105	12815	57.00	59.00	2.00	-	-	61	-	-	2.3	54	3	116	150	21	41	96	48320	18520
91-105	12816	59.00	61.00	2.00	-	-	12	-	-	0.3	28	1	106	65	7	21	193	47810	11860
91-105	12817	61.00	63.00	2.00	-	-	6	-	-	0.4	18	1	106	70	6	21	208	38080	11060
91-105	12818	63.00	65.00	2.00	-	-	7	-	-	0.3	33	1	117	-	19	16	100	40080	8590
91-105	12819	65.00	67.00	2.00	-	-	4	-	-	0.1	25	1	116	-	17	20	135	53790	9170
91-105	12820	67.00	69.00	2.00	-	-	5	-	-	0.3	42	1	37	-	11	19	164	41740	14000
91-105	12821	69.00	71.00	2.00	-	-	10	-	-	0.2	52	1	87	-	70	42	272	41430	2540
91-105	12822	71.00	73.00	2.00	-	-	140	-	-	1.1	525	6	146	-	33	274	92	56530	4380
91-105	12823	73.00	75.00	2.00	-	-	715	-	-	1.6	1342	17	187	-	47	65	140	42750	3350
91-105	12824	75.00	77.00	2.00	-	-	50	-	-	0.6	75	1	201	-	16	26	39	24220	2700
91-105	12825	77.00	79.00	2.00	-	-	398	-	-	0.3	382	1	218	-	20	182	197	42060	3530
91-105	12826	79.00	81.00	2.00	-	-	42	-	-	0.1	70	1	210	-	11	18	88	34310	4480
91-105	12827	81.00	83.00	2.00	-	-	120	-	-	2.0	94	1	169	-	100	146	412	29310	3870
91-105	12828	83.00	85.85	2.85	-	-	105	-	-	3.0	182	6	141	-	32	79	207	37040	4510
91-105	12829	85.85	88.10	2.25	-	-	333	-	-	12.3	617	24	154	-	54	1288	2098	43840	4710
91-105	12830	88.10	89.00	0.90	-	-	75	-	-	6.5	119	12	101	-	71	710	1044	38030	5660
91-105	12831	89.00	91.00	2.00	-	-	127	-	-	6.5	220	10	189	-	88	712	805	37030	5240
91-105	12832	91.00	93.00	2.00	-	-	238	-	-	11.5	337	30	165	-	178	1011	1990	49540	7510
91-105	12833	93.00	95.00	2.00	-	-	133	-	-	6.9	399	16	168	-	153	925	1111	36020	5120
91-105	12834	95.00	97.00	2.00	-	-	138	-	-	4.3	834	20	105	-	47	365	282	42850	5010
91-105	12835	97.00	99.00	2.00	-	-	100	-	-	1.6	243	1	8	-	36	184	157	36730	2620
91-105	12836	99.00	101.00	2.00	-	-	130	-	-	5.7	266	16	53	-	108	186	481	44590	4360
91-105	12837	101.00	103.00	2.00	-	-	163	-	-	2.4	217	7	129	-	25	179	205	32230	5190
91-105	12838	103.00	105.00	2.00	-	-	203	-	-	10.5	392	22	129	-	91	2689	3411	51100	3940

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-105	12839	105.00	107.00	2.00	-	-	280	-	-	8.7	389	12	111	-	98	2139	3223	50830	4980
91-105	12840	107.00	109.00	2.00	-	-	167	-	-	5.3	272	7	122	-	99	712	852	32540	12270
91-105	12841	109.00	111.00	2.00	-	-	168	-	-	3.3	235	7	167	-	42	584	665	42170	4260
91-105	12842	111.00	113.00	2.00	-	-	102	-	-	2.4	165	9	160	-	25	247	241	27510	5000
91-105	12843	113.00	115.00	2.00	-	-	100	-	-	2.4	146	8	116	-	36	278	309	38490	5040
91-105	12844	115.00	117.00	2.00	-	-	110	-	-	2.2	138	9	139	-	47	252	292	35990	4590
91-105	12845	117.00	119.00	2.00	-	-	103	-	-	1.6	71	3	20	-	17	243	80	30670	5510
91-105	12846	119.00	121.00	2.00	-	-	107	-	-	0.3	74	1	131	-	13	25	14	36980	4790
91-105	12847	121.00	123.00	2.00	-	-	67	-	-	0.5	73	1	121	-	11	34	58	29450	5090
91-105	12848	123.00	125.00	2.00	-	-	108	-	-	1.8	178	7	99	-	25	181	30	38500	6580
91-105	12849	125.00	127.00	2.00	-	-	61	-	-	0.8	102	3	83	-	29	73	84	38060	6780
91-105	12850	127.00	129.00	2.00	-	-	57	-	-	0.5	73	2	93	-	10	95	56	34570	5160
91-105	12851	129.00	131.00	2.00	-	-	58	-	-	0.4	69	2	73	-	16	88	93	35400	7370
91-105	12852	131.00	133.00	2.00	-	-	20	-	-	0.6	51	1	68	-	17	234	234	33860	5110
91-105	12853	133.00	135.00	2.00	-	-	41	-	-	1.5	54	4	63	-	60	474	485	34360	5020
91-105	12854	135.00	137.00	2.00	-	-	96	-	-	0.2	60	2	76	-	25	41	70	43520	5230
91-105	12855	137.00	139.90	2.90	-	-	22	-	-	0.2	57	1	50	-	12	24	49	40350	15560

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ99+100
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12759	5.4	2450	1419	3	71	.1	1	5420	.1	20	17	57910	2380	1	130	29	3	960	1	1390	83	47	11	1	25	11.9	37	1	1	2	64	261	
12760	3.8	2290	1192	4	90	.1	1	10410	.1	14	20	53770	2140	1	150	152	1	890	1	1330	47	75	17	1	23	10.7	415	1	1	2	61	202	
12761	1.5	3720	283	2	98	.1	1	6490	.1	15	35	34720	3030	1	210	54	2	40	1	1560	150	8	13	1	27	21.9	109	1	1	3	74	181	
12762	.9	5030	358	2	40	.1	1	5490	.1	15	14	44280	3600	1	350	34	1	680	1	1430	38	13	10	1	31	26.3	30	1	1	2	58	176	
12763	1.1	4520	248	2	45	.1	1	5620	.1	20	31	41950	3430	1	430	70	2	40	1	1550	69	1	12	1	34	25.5	30	1	1	3	66	320	
12764	.7	5140	183	2	149	.1	1	6400	.1	17	30	41040	4090	1	860	168	1	840	1	1790	120	1	14	1	37	23.7	91	1	1	4	90	140	
12765	1.0	4890	344	2	61	.1	1	5420	.1	11	18	29960	3670	1	300	18	1	40	1	1690	22	3	11	1	26	21.1	25	1	1	2	56	159	
12766	1.7	4040	246	1	127	.1	1	6000	.1	14	41	24930	3190	1	230	55	1	680	1	1700	184	4	14	1	34	22.3	430	1	1	3	67	217	
12767	2.0	6970	190	3	124	.1	1	6440	.1	20	25	28660	4760	1	400	18	1	50	1	2110	275	2	13	1	37	33.5	244	1	1	2	49	141	
12768	1.3	6340	245	2	144	.1	1	5530	.1	11	17	23160	4470	1	430	37	2	60	1	1690	147	1	12	1	35	24.3	110	1	1	3	71	128	
12769	.5	6410	104	2	94	.1	1	5390	.1	10	15	33210	4470	1	950	128	3	100	1	1430	71	1	11	1	26	18.9	424	1	1	2	58	196	
12770	2.2	12810	40	6	128	.1	1	6250	.1	9	44	35640	4030	7	6280	488	1	130	1	1430	498	1	11	2	36	44.3	678	3	1	3	54	38	
12771	1.6	10320	47	3	97	.1	1	5990	.6	9	30	36270	3790	5	5310	450	1	130	1	1440	673	1	12	2	29	35.2	706	3	1	2	46	50	
12772	.1	10420	40	7	117	.1	1	5990	.1	10	13	34970	5810	2	3860	397	1	230	1	1700	53	1	13	1	30	32.1	176	2	1	2	34	40	
12773	3.2	10310	57	5	108	.1	1	6350	5.4	11	107	39470	4090	5	4180	461	1	140	1	1540	1061	2	13	2	30	36.6	1706	2	1	2	44	80	
12774	.8	11920	125	5	189	.1	1	5490	.1	10	22	34620	5700	3	2870	275	1	130	1	1650	110	1	10	2	43	32.4	82	1	1	2	40	180	
12775	.4	13040	67	4	97	.1	1	6410	.1	12	26	46780	4300	7	5100	495	1	110	1	1620	88	1	10	1	38	41.3	112	2	1	2	35	140	
12776	.7	8960	51	3	131	.1	1	5470	.1	9	19	36820	3900	4	3950	399	1	850	1	1480	83	1	13	1	30	32.5	66	2	1	3	54	260	
12777	.7	7220	67	2	103	.1	1	6610	.1	9	25	30920	2740	4	2990	344	1	720	1	1580	151	1	12	1	28	34.2	133	2	1	2	38	100	
12778	2.1	5210	935	6	132	.1	1	5970	.1	12	30	40610	2130	3	2970	319	1	120	1	1360	661	2	17	1	43	30.3	330	1	1	2	41	192	
12779	1.1	5910	290	4	107	.1	1	5100	.1	12	28	37560	3080	2	2500	277	1	80	1	1370	326	1	12	1	38	26.1	36	1	1	3	61	176	
12780	1.1	7130	577	3	93	.1	1	4720	.1	11	30	34280	2710	3	3550	333	1	80	1	1490	298	1	9	1	40	31.5	124	2	1	3	50	94	
12781	1.0	6480	691	3	115	.1	1	6470	.1	12	29	34920	3230	1	3520	422	1	170	1	1560	195	1	18	1	36	30.5	227	1	1	3	52	81	
12782	.1	14090	210	4	95	.1	1	5670	.1	15	11	56880	3600	8	10060	989	1	160	1	1780	32	4	13	1	43	64.6	44	3	1	3	30	59	
12783	.1	14880	98	2	76	.1	1	4770	.1	12	7	42920	3170	8	10690	932	1	190	1	1450	23	1	11	2	43	63.9	29	6	1	3	39	35	
12784	.1	16140	104	2	94	.1	1	5900	.1	12	6	50240	3320	9	11990	1048	1	200	1	1590	24	2	12	2	45	68.0	28	5	1	4	51	76	
12785	.2	14210	70	2	74	.1	1	4950	.1	11	5	52300	2710	8	10890	1020	1	170	1	1410	21	16	9	1	38	58.7	27	4	1	3	44	65	
12786	.1	14760	49	1	93	.1	1	6520	.1	12	4	42080	3090	8	11450	1222	1	220	1	1500	17	2	14	2	39	62.3	28	4	1	3	39	8	
12787	.1	12140	72	1	70	.1	1	5450	.1	12	4	44620	2650	7	9710	894	1	190	1	1460	17	1	11	2	32	51.4	21	4	1	2	34	41	
12788	1.1	11580	66	9	144	.5	2	8510	.1	12	35	35040	4170	7	6440	789	3	780	14	870	52	7	12	1	43	20.1	238	2	1	2	37	22	150
12789	2.4	10850	63	7	225	.5	1	11050	.1	12	26	39060	5050	3	5410	960	2	680	4	980	66	11	15	1	28	20.3	202	1	1	2	33	50	170
12790	3.7	9970	64	6	213	.5	1	6420	6.0	12	40	36730	5180	1	2960	620	3	810	6	930	101	15	9	1	25	17.4	1312	1	1	1	28	60	135
12791	3.8	8990	440	6	201	.5	1	5840	.1	11	26	34800	5020	1	1160	236	3	710	2	880	75	13	8	1	28	15.1	398	1	1	2	42	163	140
12792	5.1	11690	699	6	163	.8	1	4350	7.1	13	63	39050	6510	1	1050	114	3	950	2	920	82	18	8	1	29	18.5	595	1	1	2	43	325	150
12793	4.3	11170	686	5	131	.6	1	5400	.1	13	55	41600	5870	1	2030	236	2	800	2	990	83	14	9	1	24	19.8	755	1	1	2	48	320	125
12794	5.2	10880	315	5	173	.5	1	5130	.1	12	23	38650	6150	1	900	78	3	1230	3	980	71	15	8	1	27	18.2	86	1	1	2	46	187	140
12795	5.3	6380	217	3	178	.3	1	3470	.1	10	153	33620	3650	1	480	71	2	680	2	720	78	12	6	1	19	10.4	225	1	1	1	27	141	165
12796	5.6	8510	372	4	189	.5	1	5390	1.5	11	100	38170	4770	1	750	133	3	630	1	950	124	13	11	1	24	13.0	520	1	1	1	35	159	155
12797	6.3	8270	131	3	149	.4	1	6380	.1	12	41	39650	4580	1	1330	167	1	790	3	950	83	13	9	1	21	13.3	144	1	1	1	25	132	150
12798	3.1	8900	643	3	152	.4	1	4780	.1	11	80	33630	4290	2	1750	91	2	850	4	1000	140	7	8	1	22	14.0	409	1	1	1	39	166	115
12799	3.3	8960	656	3	124	.3	1	6400	.1	11	40	39950	3280	4	2860	251	1	630	1	860	59	11	9	1	19	13.5	501	1	1	1	30	218	155
12800	3.9	12270	1342	3	204	.3	1	19900	.1	11	45	45520	4010	7	5260	1219	2	770	1	890	67	16	25	1	25	19.1	1266	1	1	1	35	345	180
12801	2.0	18060	78	3	179	.4	1	15070	.1	13	31	39360	4600	12	7520	814	2	970	2	1020	35	8	18	1	31	29.3	386	3	1	2	41	63	115
12802	2.7	16510	69	3	229	.5	2	33500	.1	10	26	38500	4530	10	8870	1526	2	910	3	880	36	9	39	1	31	23.4	128	3	1	2	35	100	165
12803	3.0	13590	70	4	138	.4	2	20010	.1	11	30	37690	3850	8	6160	1016	2	660	2	920	42	10	27	1	27	20.1	98	2	1	2	30	102	145
12804	2.5	11470	77	2	179	.3	1	16300	.1	10	38	38170	3120	8	5020	600	4	620	5	920	43	13	25	1	20	14.5	121	1	1	1	31	84	180
12805	1.1	12960	55	3	195	.2	1	20080	.1	9	26	38200	3740	7	5020	712	5	640	1	940	30	13	35	1	27	17.9	61	2	1	1	26	57	200
12806	.6	15390	34	2	174	.5	1	19780	.1	9	13	28890	4010	10	5630	527	3	790	4	950	20	3	34	1	32	22.1	91	3	1	2	34	2	65
12807	.8	16960	29	2	186	.4	1	40020	.1	9	13	31070	3730	12	6630	883	2	850	1	830	20	4	54	1	31	26.3	535	4	1	2	30	4	75
12808	.8	18550	28	3	160	.3	2	35880	.1	8	14	29930	4320	12	6950	876	2	1090	1	800	24	4	48	1	37	27.7	70	4	1	3	38	10	80
12809	1.1	14330	31	2	136	.3	1	39570	.1	9	13	28960	3730	8	5570	836	2	750	1	800	25	5	54	1	29	21.9	65	3	1	2	26	12	100
12810	1.2	14260	32	2	143	.3	1	21330	.1	11	15	36150	3770	8	5740	771	3	1000	1	850	30	8	36	1	32	26.1	67	2	1	2	33	16	145
12811	1.2	15040	41	4	181	.5	1	13720	.1	10	20	41540	4930	7	4900	548	2	850	1	680	34	9	22	1	35	25.0	78	1	1	2	27	20	175
12812	1.8	13350	51	3	197	.5	1	13670	.1	10	23	35650	4260	6	4390	607	1	720	1	780	37	9	22	1	29	22.5	111	2	1	1	21	30	200
12813	1.6	15080	51	2	156	.4	1	17320	.1	10	15	38750	4350	7	5110	877	2	910	1	840	34	7	25	1	33	30.0	64	2	1	2	30	27	140
12814	2.6	11130	39	2	143	.1	1	16110	.1	9	15	33470	3740	5	3880	781	3	920	1	790	35	6	24	1	28	23.1	93	1	1	2	34	60	175

91-100

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ101+102
DATE: 91/10/17
* ROCK * (ACT:F31)

91-105

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12815	2.3	10530	54	2	116	.1	1	18520	.1	10	21	48320	3210	6	5050	1321	2	930	1	770	41	3	21	1	26	24.9	96	1	1	2	45	61	150
12816	.3	5990	28	3	106	.3	1	11860	.1	11	7	47810	3520	2	7920	1325	1	750	1	440	21	1	23	1	16	25.7	193	1	1	1	25	12	65
12817	.4	5690	18	2	106	.4	1	11060	.1	10	6	38080	3420	1	6600	1189	1	820	1	450	21	1	20	1	15	21.2	208	1	1	1	20	6	70
12818	.3	11690	33	6	117	.4	1	8590	.1	11	19	40080	3870	7	5310	930	1	90	1	270	16	1	7	1	21	23.4	100	2	1	2	9	7	
12819	.1	16790	25	5	116	.1	1	9170	.1	14	17	53790	4640	11	7850	1205	1	130	1	590	20	1	9	1	17	31.9	135	3	1	2	29	4	
12820	.3	16450	42	3	37	.5	1	14000	.1	13	11	41740	5790	7	6360	1491	1	120	1	400	19	1	12	1	9	28.4	164	4	1	2	18	5	
12821	.2	16540	52	3	87	.6	1	2540	.1	14	70	41430	5410	9	5320	514	1	100	1	230	42	1	3	1	21	24.9	272	2	1	2	32	10	
12822	1.1	15670	525	4	146	.5	1	4380	.1	15	33	56530	5950	7	4560	459	1	80	1	260	274	6	6	1	30	22.7	92	1	1	2	39	140	
12823	1.6	12390	1342	4	187	.3	1	3350	.1	12	47	42750	5770	4	2940	276	1	150	1	780	65	17	6	1	32	22.9	140	1	1	3	64	715	
12824	.6	8590	75	1	201	.6	1	2700	.1	7	16	24220	5280	1	1050	121	1	130	1	350	26	1	8	1	26	11.3	39	1	1	3	67	50	
12825	.3	11230	382	4	218	.2	1	3530	.1	12	20	42060	6560	1	780	101	1	130	1	900	182	1	8	1	41	15.3	197	1	1	4	98	398	
12826	.1	9750	70	3	210	.3	1	4480	.1	8	11	34310	5740	1	950	160	1	100	1	1200	18	1	13	1	33	14.2	88	1	1	3	73	42	
12827	2.0	7790	94	2	169	.1	1	3870	.1	9	100	29310	4460	1	530	57	6	140	1	1160	146	1	10	1	25	14.0	412	1	1	3	75	120	
12828	3.0	9060	182	2	141	.1	1	4510	.1	11	32	37040	5070	1	560	47	2	150	1	1360	79	6	8	1	35	18.4	207	1	1	2	63	105	
12829	12.3	5550	617	2	154	.1	1	4710	7.4	13	54	43840	3690	1	360	47	1	60	1	1370	1288	24	11	1	29	20.3	2098	1	1	3	112	333	
12830	6.5	7690	119	1	101	.1	1	5660	1.7	16	71	38030	5080	1	470	35	4	60	1	1890	710	12	12	1	29	29.9	1044	1	1	2	70	75	
12831	6.5	6720	220	1	189	.1	1	5240	1.0	15	88	37030	4670	1	410	37	1	60	1	1820	712	10	12	1	36	31.8	805	1	1	3	92	127	
12832	11.5	6050	337	2	165	.1	1	7510	6.0	18	178	49540	4010	1	490	146	5	100	1	1550	1011	30	13	1	36	32.6	1990	1	1	2	79	238	
12833	6.9	7050	399	1	168	.1	1	5120	.7	13	153	36020	4730	1	440	36	1	170	1	1760	925	16	11	1	39	32.7	1111	1	1	4	98	133	
12834	4.3	7780	834	1	105	.1	1	5010	.1	15	47	42850	4690	1	1380	186	2	80	1	1680	365	20	11	1	37	39.7	282	1	1	7	160	138	
12835	1.6	5260	243	1	8	.1	1	2620	.1	15	36	36730	2860	1	310	27	1	120	1	1550	184	1	6	1	35	23.1	157	1	1	5	136	100	
12836	5.7	5490	266	1	53	.1	1	4360	.1	15	108	44590	3830	1	340	20	2	170	1	1490	186	16	8	1	38	27.7	481	1	1	6	150	130	
12837	2.4	5700	217	1	129	.1	1	5190	.1	11	25	32230	3980	1	360	68	1	130	1	1380	179	7	10	1	44	21.7	205	1	1	5	129	163	
12838	10.5	4220	392	2	129	.1	1	3940	13.7	13	91	51100	3290	1	240	36	3	50	1	1100	2689	22	7	1	32	19.2	3411	1	1	7	197	203	
12839	8.7	7100	389	2	111	.1	1	4980	13.3	15	98	50830	4570	1	820	70	1	60	1	1610	2139	12	10	1	40	30.9	3223	1	1	2	85	280	
12840	5.3	6680	272	1	122	.1	1	12270	1.1	13	99	32540	4710	1	530	714	2	60	1	1540	712	7	54	1	38	28.9	852	1	1	6	157	167	
12841	3.3	6030	235	1	167	.1	1	4260	.1	12	42	42170	4380	1	370	33	1	50	1	1370	584	7	8	1	40	20.7	665	1	1	4	124	168	
12842	2.4	6300	165	1	160	.1	1	5000	.1	9	25	27510	4640	1	390	56	6	70	1	1370	247	9	8	1	50	24.3	241	1	1	5	135	102	
12843	2.4	6080	146	1	116	.1	1	5040	.1	11	36	38490	4190	1	380	56	1	90	1	1500	278	8	9	1	34	21.2	309	1	1	4	94	100	
12844	2.2	4860	138	1	139	.1	1	4590	.1	14	47	35990	3630	1	270	45	3	70	1	1440	252	9	8	1	30	18.1	292	1	1	3	80	110	
12845	1.6	7880	71	2	20	.1	1	5510	.1	11	17	30670	5220	1	570	55	1	140	1	1850	243	3	11	1	21	22.8	80	1	1	3	75	103	
12846	.3	7060	74	1	131	.1	1	4790	.1	12	13	36980	4740	1	670	85	2	120	1	1520	25	1	9	1	44	23.0	14	1	1	3	71	107	
12847	.5	6590	73	1	121	.1	1	5090	.1	11	11	29450	4610	1	420	41	1	110	1	1580	34	1	9	1	43	19.5	58	1	1	3	74	67	
12848	1.8	4140	178	18	99	.4	2	6580	.1	17	25	38500	3180	7	370	66	1	100	1	1550	181	7	10	2	41	14.3	30	1	2	2	39	108	
12849	.8	6800	102	12	83	.1	2	6780	.1	13	29	38060	3000	7	2290	323	1	100	1	1610	73	3	12	1	36	25.5	84	1	1	3	35	61	
12850	.5	7520	73	8	93	.2	1	5160	.1	11	10	34570	2960	6	2850	345	1	150	1	1540	95	2	12	1	33	25.2	56	2	1	2	41	57	
12851	.4	11350	69	6	73	.2	1	7370	.1	11	16	35400	2620	10	5010	615	1	100	1	1430	88	2	16	1	33	33.4	93	3	1	3	33	58	
12852	.6	11620	51	5	68	.1	1	5110	.1	10	17	33860	1910	12	5780	537	1	130	25	1400	234	1	10	1	26	41.1	234	4	1	3	38	20	
12853	1.5	10890	54	4	63	.1	1	5020	.1	10	60	34360	2180	9	5150	415	1	110	1	1450	474	4	9	1	26	33.1	485	4	1	2	27	41	
12854	.2	12030	60	4	76	.1	1	5230	.1	11	25	43520	2270	10	6180	458	1	210	1	1680	41	2	10	1	31	44.1	70	3	1	2	28	96	
12855	.2	15480	57	4	50	.1	2	15560	.1	11	12	40350	2360	14	9210	1215	1	130	1	1670	24	1	31	1	30	39.3	49	4	1	2	16	22	
12856	.2	16070	40	7	235	.3	2	24550	.1	11	42	40790	1960	14	8180	449	1	800	1	820	28	1	50	1	22	29.7	88	2	1	2	37	1	450
12857	.1	8550	39	7	106	.2	1	12380	.1	12	43	44500	2340	7	7950	401	1	850	1	790	25	10	21	1	13	21.1	89	1	1	2	22	2	480
12858	.1	6030	38	9	112	.5	1	7730	.1	13	49	42080	2960	2	6700	356	1	760	3	860	22	17	14	1	9	17.2	77	1	1	2	39	1	395
12859	.1	5140	24	6	89	.3	1	19470	.1	11	40	40790	2540	3	9290	468	1	600	1	710	21	5	39	1	11	17.7	83	1	1	2	30	2	365
12860	.1	15070	20	7	142	.2	1	16410	.1	13	46	44170	3450	13	9220	354	1	1040	1	850	27	1	40	1	24	32.6	87	1	1	2	41	1	420
12861	.1	20030	19	3	131	.4	1	19710	.1	12	42	40240	2820	17	9410	405	1	910	1	830	25	1	55	1	24	36.1	81	3	1	2	42	3	450
12862	.2	17660	15	3	99	.3	1	22160	.1	12	42	42560	2450	16	8970	424	1	930	1	950	28	1	55	1	21	31.5	83	2	1	2	29	2	615
12863	.1	19580	14	3	176	.3	1	20950	.1	12	44	40920	2750	16	9430	406	1	610	2	850	27	1	55	1	24	33.4	81	2	1	2	41	2	450
12864	.1	23180	11	2	112	.1	1	33250	.1	13	37	42670	2530	22	11240	532	1	980	1	1010	20	1	70	1	29	61.0	76	3	1	3	38	1	280
12865	.2	18290	16	3	106	.2	1	41730	.1	12	31	43340	2720	16	8600	565	1	730	1	1110	25	1	107	1	28	42.6	71	2	1	3	50	1	395
12866	.4	17600	16	2	156	.1	1	46700	.1	13	49	42310	2520	16	9280	682	1	750	2	980	29	1	96	1	24	40.4	72	3	1	2	31	3	550
12867	.1	20220	15	2	121	.2	1	19700	.1	13	48	43680	2870	19	11110	412	1	850	3	940	28	1	46	1	26	38.1	85	2	1	3	52	1	370
12868	.2	21290	16	1	132	.2	1	41730	.1	14	50	44000	1820	23	11530	652	1	840	1	1050	28	1	63	1	22	47.7	81	3	1	1	20	4	385
12869	.3	21180	17	1	183	.1	1	41670	.1	14	49	43610	2000	22	11370	638	1	650	1	960	27	1	62	1	20	45.3	80	3	1	2	26	2	355
12870	.1	23050	20	3	127	.4	1	20860	.1	14	67	44200	2880	23	11650	489	1	860	5	1120	29	1	49	1	26	42.9	101	3	1	2	46	1	370

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-106
PAGE 1 OF 12

TESTS

Meterage	Dip	Azimuth
0	-45°	298°
61	-44°	303°
122	-42°	303°
182.9	-40.5°	306°
228	-39°	307°

COLLAR SURVEY:
Northing: 10463.69
Easting: 9929.67
Elevation: 1144.82
Azimuth: 299.5°
Dip: -45°
IP Grid Coordinates: 10460N 9928E

CORE BQTW
Section: 10470N
Date Started: Aug 24/91
Date Finnished: Aug 26/91
Date Logged: Aug 27/91

Total Depth: 228.0
Casing Depth 2.13
Casing Left in: YES
Logged By: M. BACHAMBAULT
Comments:

SAMPLE NUMBERS
12856 To 12968
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	2.13	CASING
2.13	55.15	BLACK TUFFACEOUS MUDSTONE (2.8)
		Lithology: Black, mostly massive with a faint bedding marked by a weak silt content. Minor fine grained sandstone (<0.5mm) and siltstone beds approximately 5% of the intersection. Bed contacts are generally sharp. Slightly calcareous in places
		Structure: Bedding 2.30 m 40° to c.a — Lower contact 55.15 m 20° to c.a
		15 m 55° to c.a — Foliation is parallel to bedding
		27.2 m 45° to c.a — Several slickensides are parallel to the foliation
		36.3 m 35° to c.a — throughout
		48.5 m 10° to c.a — Slickensides: 11.0 m 20° to c.a
		11.5 m 35° & 30° & 40° in different orientations
		20.5 m 30 & 50° several slickensides
		23.8 0–30° " "

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-106 PAGE 2 OF 12
		Fault zones: 49.6 – 51.5 - broken, minor gouge
		42.4 – 44 - broken, numerous slickensides
		Slickensides: 24.0 – 0° to c.a
		32.9 m – 0 & 15° & 30° to c.a
		40.5 m – 0 → 25° to c.a
		52.7 m – gouge ≈10 cm
		54.0 m – 30° & 50° to c.a
		Alteration: Quartz + calcite veinlets in different orientations but generally parallel to the foliation <1mm to 5mm in general up to 3 cm wide in some shear zones ≈ 3%
		Mineralization: Absent
55.15	63.6	INTERMEDIATE FRAGMENTAL (1.5)
		Lithology: Massive, pale greenish grey, very faint foliation, can be scratched, with minor rounded fragments, elongated and laid along the foliation 1%, slightly darker green. ≈ 3% in some section i.e between 59.3 - 60.2 and at 61.9. Water laid - aphanitic
		Structure: Slight foliation 59.5 m 60° to c.a Slickensides 61.9 m 40° & 30° to c.a
		61.5 m 45° to c.a
		Alteration: Weak to moderate sericite 58.3 m 20° to c.a
		Mineralization: Absent 57.6 m 20° & 55° to c.a

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-106 PAGE 3 OF 12
63.6	65.5	BLACK TUFFACEOUS MUDSTONE (2.3)	
		Lithology: Black, massive, with a very faint bedding indicated by traces of silt.	
		Structure: Upper contact is gradational Lower contact is faulted 70° to c.a Fault zone: 65.5 to 67 m	
		Alteration: Minor quartz - carbonate veining in the fault zone < 2 cm wide > 3% " " " veining < 1 mm wide < 1% in solid mudstone	
		Mineralization: Absent	
65.5	67.0	INTERMEDIATE FRAGMENTAL (1.5)	
67.0	72.6	HEMATITIC POLYMICTIC VOLCANIC WACKE (2.4)	
		Lithology: Pale greyish green to greenish grey. Alternating beds of tuff dominated to mudstone dominated - massive to banded - Aphanitic	
		Structure: Bedding 69.5 m 40° to c.a 72.0 m 40° to c.a = foliation parallel to bedding - crenulated	
		Alteration: Weak to moderate sericite	
		Mineralization: Absent	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-106 PAGE 4 OF 12
72.6	91.0	QUARTZ AND LITHIC WACKE (2.6), +/- BLACK TUFFACEOUS MUDSTONE (2.8)	

79.9 - 81.0 BLACK TUFFACEOUS MUDSTONE (2.8)

Lithology: 72.6 - 79.9 Pale greyish beige-green. Coarser grained than previous ash tuff i.e. silt size, massive to weakly foliated, minor muddy component

Contains a few sparse mudstone fragments, angular up to 5 cm long and 2 cm wide and parallel to the foliation or bedding ≈ 1% of total rock

Ash size is generally ≤ 0.5 mm with minor lithic fragments, rounded, up to 4 mm in diameter and form 2-3% of total

Structure: Bedding and foliation 69.5 m 60° to c.a.
72.5 m 60° to c.a.
77.2 m 75° to c.a.

Faulted lower contact 50° to c.a.

Alteration: Weak pervasive chlorite

Carbonate veinlets, beige generally ≤ 1 mm but up to 5 mm, forms cracking of various orientation but generally cut parallel to the foliation ≈ 35%

Mineralization = Absent

79.9 - 91.0

Lithology: Graded beds from fine grained sandstone ≈ 0.5 mm in diameter to mudstone, black and

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-106 PAGE 5 OF 12
		massive 94.4 - 95.5 Grading indicates Tops upward.	
		Sandstone is a greywacke with fragments of beige - green tuffs and black mudstone	
		Clasts can be up to 3 mm but generally < 0.5 mm Muddy matrix. Muddy matrix makes up ≈ 40% of the interval	
		Mudstone may contain a few scattered clasts ≈ 2% up to 2 mm in diameter	
		Beds are < 1 m in thickness	
		Structure: Bedding 95 m - 65° To c.a. Slickensides: 91.7 m 20° & 50° To c.a.	
		97.7 m - 70° To c.a.	
		Alteration: —	
		Mineralization: Trace of disseminated pyrite	
91.0	115.5	INTERMEDIATE FLOW (1.6) +/- INTERMEDIATE FRAGMENTAL (1.5)	
		104.5 - 105.0 BLACK TUFFACEOUS MUDSTONE (2.8)	
		Lithology: Medium greyish green, massive to banded, minor muddy component, silt size	
		Slightly foliated 101 - 105.4 - mottled to banded, grey to greyish green to beige, bands are	
		5 mm to 10 cm wide	
		Structure: Foliation: 92 m - 45° To c.a. Fault 103.6 - 104.0 m - 65° To c.a. gouge	
		97 m 45° To c.a.	
		103 m 60° To c.a.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-106 PAGE 6 OF 12
		Alteration: Moderate sericite - pervasive	
		Weak clay of some bands 20% - 101-105m	
		Minor quartz-carbonate veinlets <3mm wide in various orientations ≈1%	
		Mineralization: Very fine grained pyrite, as disseminations and lenses along foliation	
		and rare veinlets <1mm wide ≈1%	
105.4	108.0	DIORITE DYKE (6.1)	
		Lithology: Medium grained, massive, fine grained, aphanitic near the contacts. Contacts are	
		gradational! Equigranular with small ≈0.5mm black grains ≈5%. Small amygdules near	
		lower contact ≈2mm in diameter	
		Structure: Slickensides 111.5m 30° to c.a.	
		Alteration: Pervasive calcite - moderate	
		Quartz-calcite veinlets <1cm wide ≈1%	
		Mineralization: Pyrite veinlets at 109.25 - 109.95 with calcite and trace of sphalerite.	
		Calcite veinlet at 109.0 with blebs of sphalerite	
		Pyrite veinlets at 112.0 - 112.1 with calcite	
		Disseminated pyrite blebs - trace.	
		105.4 - 15 cm mudstone 106 - 107.9 Black bedded mudstone with 20 cm greywacke	
		Fault 70° to c.a. Bedding 70° to c.a.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-106 PAGE 7 OF 12
115.5	120.5	QUARTZ AND LITHIC WACKE (2.6)	
		Lithology: Medium grey, fine grained, <1mm, greywacke, formed of grey coloured grains with ≈30% muddy matrix. They either grade into a mudstone at both contacts or have a sharp contact.	
		Mudstone is black and shows a very faint silty bedding	
		Structure: Bedding: 119 m 50° To c.a. 121.7 m 75° To c.a.	Slickensides: 120.6 m 50° To c.a. 121.3 m 50° To c.a. 123.2 m 65° ± 50° To c.a.
		Alteration: Rare calcite veinlets ≤ 1 mm wide	
		Mineralization: Disseminated pyrite blebs and fine laminations parallel to bedding ≈ 2%	
120.5	201.0	BLACK TUFFACEOUS MUDSTONE (2.8)	
		171.5 QUARTZ AND LITHIC WACKE - SERICITE (2.6a) - THIN	
		Lithology: Massive to weakly bedded mudstone, black, slightly calcareous with some small fossils of shell <1% max 1.2 cm long.	
		Contains one good bioturbated bed with the base at 133.95 grading upwards.	
		169.8-170.0 & 170.1-170.25m Two horizons of Tuff - sericitic foliated with 2-5% disseminated pyrite	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-106 PAGE 8 OF 12

Structure: Bedding 133.95 m 45° to c.a.
142.9 m 65° to c.a.
Foliation 142.9 m 80° to c.a.
and 30° between bedding & foliation
Bedding 200.56 55° to c.a.

Cleavage: 139.3 m 80°
145.7 m 75°
154.6 m 70°
164.0 m 75°
173.0 m 45°
185.3 m 70°
192.7 m 50°
200.56 m 70° same orientation as bedding different dip

Slickensides: 129.65 m 50° to c.a.
136.2 m 80° to c.a.
141.0 m 30° to c.a.
148.0 m 50° to c.a.
155.0 m 0-35° to c.a.
163.3 m 80-85° to c.a.
173.0 m 40° to c.a.
180.8 m 0° & 40° to c.a.
183.3 m 40° to c.a.
188.7-190.0 m fault zone - numerous slickenside, minor gouge
196.1 m 65° to c.a.
200.0 m 0° to c.a.

Alteration: Calcite veinlets < 1mm wide in various orientation but generally parallel to the cleavage ≈ 1-2%

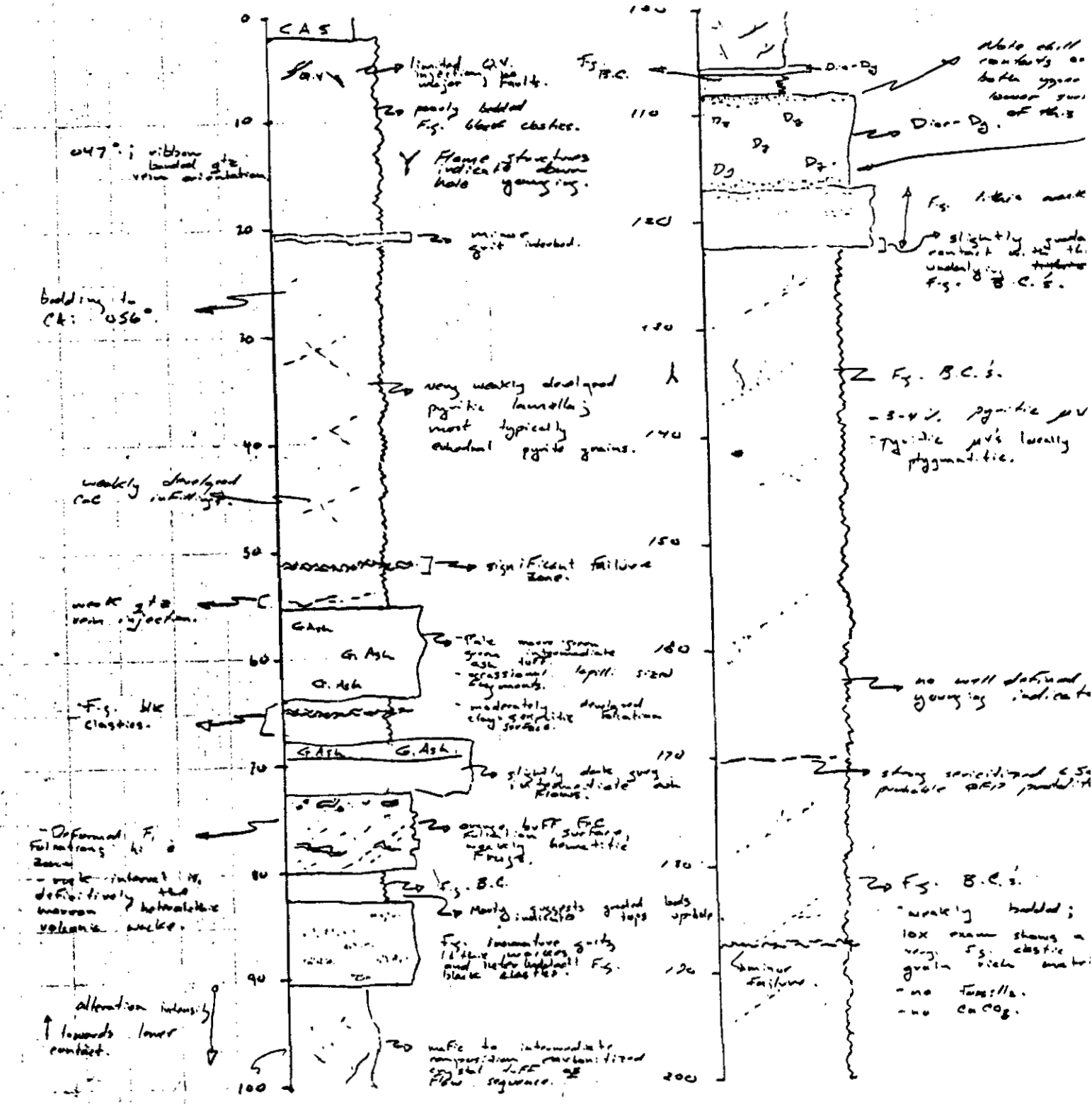
Mineralization: Pyrite in calcite veinlets and on fracture surfaces and in rare places replacing fossil shell fragments. Total ≈ 1%.

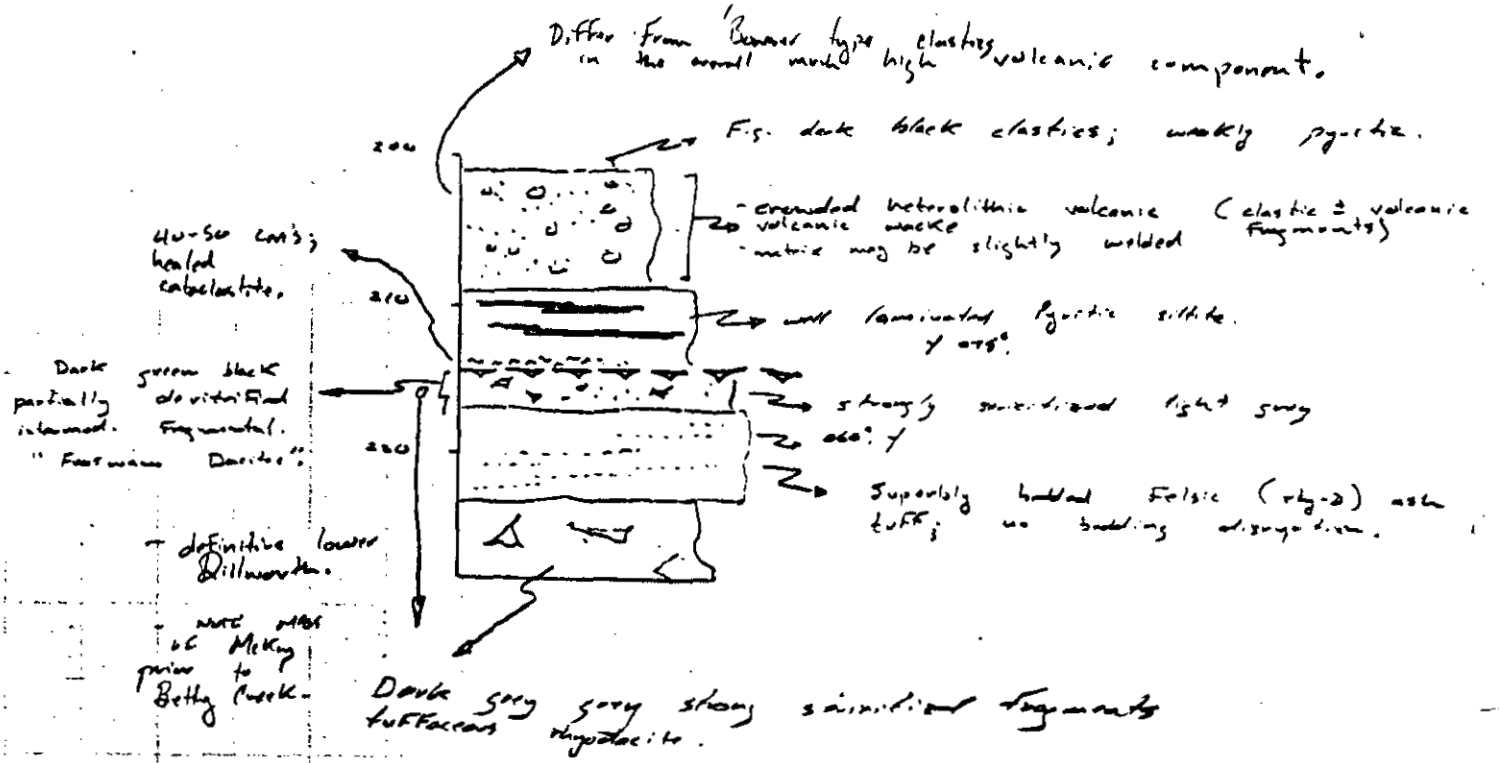
METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-106 PAGE 9 OF 12
201.0	209.3	HEMATITIC POLYMICTIC VOLCANIC WACKE (2.4)	
		Lithology: 201.0-203.9 Lithic wk tuff pale green to greenish grey. Clasts of mudstone and tuff - sub rounded to sub-angular from <1 mm to 2 cm and of various composition and alteration, beige, pale to dark green, grey and black in a tuff matrix. A few clasts are up to 7 cm in diameter. Clasts ≈ 40%. Short muddy intervals on very large mudstone clasts.	
		Structure: Folded - foliated 200.6 m 60° to c.a.	
		Alteration: Weak sericite	
		Mineralization: Absent	
		203.9-209.3 Lithology: Interbedded polymictic conglomerates with mudstones and tuffaceous mudstones. Conglomerates are formed of rounded to sub-rounded clasts of beige to green and grey tuffs and volcanics, and of black mudstone. They are clast supported. They form beds of 10 cm to 1.5 m thick and comprise 60% of the interval. Mudstones beds are medium to dark grey to greenish grey. They show a weak bedding and contain a variable amount of tuffaceous material. They are .20 - 1.5 m thick.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-106 PAGE 10 OF 12
		Structure: Bedding 208.1 m 60° to c.a.
		Upper contact is depositional and sharp 50° to c.a.
		Lower contact is faulted 90° to c.a.
		Alteration: Tuff fragments altered to sericite
		Mineralization: Trace of disseminated pyrite in the conglomerate
209.3	214.4	BLACK SULPHIDIC MUDSTONE (2.7)
		Lithology: Black, bedding indicated by pyrite laminations and minor silty laminations
		Pyrite laminations form ≈ 2%
		Structure: Bedding 209.7 m 75° to c.a. Slickensides 211 m 0-25° to c.a.
		214.0 m 85° to c.a.
		Alteration: White calcite veinlets, irregular <1 cm in width ≈ 1%
		Mineralization: Pyritic laminations ≈ 2%. Trace pyrite on fractures

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-106 PAGE 11 OF 12
214.4	216.7	RHYODACITIC FRAGMENTAL (3.0)	
		Lithology: Medium to dark green, mottled to foliated, possibly contains some lapilli ≈ 5 mm thick 1 cm long parallel to the foliation ≈ 20% in an aphanitic matrix	
		214.7 - 215.0 Mudstone	
		Structure: Strongly foliated 215.8 m 60° to c.a.	
		Gradational contacts	
		Alteration: Intense sericite? → feels like serpentine!	
		Mineralization: Absent	Note: Major pre-metamorphic Fault contact at: 214.4 - 215.0
216.7	223.2	TUFFACEOUS RHYOLITE (3.9)	
		Lithology: Pale grey, hard, finely laminated, some of the laminations are slightly calcareous	
		Structure: Laminations 220.3 m 60° to c.a.	
		Alteration: Calcite alteration of some laminations	
		Mineralization: Absent	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-106 PAGE 12 OF 12
223.2	228.0	RHYODACITIC FRAGMENTAL (3.0)	
		Lithology: Dark green, soft, with 30% lapilli = .5 cm to 2 cm in diameter in a matrix of the same composition — Almost black	
		Structure: Slightly foliated 225 m = 50° to c.a.	
		Alteration: Dark green - feels like serpentine! sericite?	
		Mineralization: Absent	
		228.0 End of Hole	


CAS
limited Q.V. injection, major fault.
poorly bedded Fs. black clastics.
Flame structures indicate down hole younging.
047°; ribbon bedded qtz vein orientation
minor qtz interbed.
bedding to Ck: 056°.
very weakly developed pyritic laminella; most typically euhedral pyrite grains.
weakly developed cac infilling.
significant failure zone.
weak qtz vein injection.
G. Ash
Pale green fine grained intermediate ash tuff
occasional lapilli sized clasts
moderately developed foliation
Fs. blk clastics.
slightly dark grey intermediate ash flows.
Deformed Fs. foliations in a zone
orange buff Fs. surface alteration weakly hematitic flows.
Fs. B.C.
Mostly indicates graded beds tops upholes
Fs. incomplete gritty lithic layers and later bedded Fs. black clastics.
alteration intensity towards lower contact.
mafic to intermediate composition recrystallized crystal tuff flow sequence.
Fs. B.C.
Diorite Dg
Dg
Fs. lithic wacke
slightly graded contact w. underlying turbidite Fs. B.C.'s.
Fs. B.C.'s.
-3-4% pyritic mv
-Pyritic mv's locally phyllonitic.
no well defined younging indicator
strong sericitized & silicified probable QFP porphyry
Fs. B.C.'s.
-weakly bedded; lox exam shows a very Fs. clastic grain rich matrix
-no fossils.
-no CaCO3.
laminar failure.
is this rock correlatable with the muddy phyllites ??


Differs from Beaver type in the overall much high elastics volcanic component.
200
Fg. dark black elastics; weakly pyritic.
- crenulated heterolithic volcanic (elastic ± volcanic fragments)
- volcanic wacke
- matrix may be slightly welded
Hu-Se cm's; healed calcclastite.
210
well laminated pyritic siltite.
Y ots°.
Dark green black partially devitrified intermed. fragmental.
" Footwall Dacite".
strongly sericitized light grey
220
Superbly bedded felsic (rhy-d) ash tuff; no bedding disorganization.
definitive lower Dillworth.
- MAC MAS LC Mckay prior to Betty Creek.
Dark grey grey strong sericitized fragments tuffaceous rhyodacite.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-106	12856	2.13	4.00	1.87	-	-	1	-	-	0.2	40	1	235	450	42	28	88	40790	24550
91-106	12857	4.00	6.00	2.00	-	-	2	-	-	0.1	39	10	106	480	43	25	89	44500	12380
91-106	12858	6.00	8.00	2.00	-	-	1	-	-	0.1	38	17	112	395	49	22	77	42080	7730
91-106	12859	8.00	10.00	2.00	-	-	2	-	-	0.1	24	5	89	365	40	21	83	40790	19470
91-106	12860	10.00	12.00	2.00	-	-	1	-	-	0.1	20	1	142	420	46	27	87	44170	16410
91-106	12861	12.00	14.00	2.00	-	-	3	-	-	0.1	19	1	131	450	42	25	81	40240	19710
91-106	12862	14.00	16.00	2.00	-	-	2	-	-	0.2	15	1	99	615	42	28	83	42560	22160
91-106	12863	16.00	18.00	2.00	-	-	2	-	-	0.1	14	1	176	450	44	27	81	40920	20950
91-106	12864	18.00	20.00	2.00	-	-	1	-	-	0.1	11	1	112	280	37	20	76	42670	33250
91-106	12865	20.00	22.00	2.00	-	-	1	-	-	0.2	16	1	106	395	31	25	71	43340	41730
91-106	12866	22.00	24.00	2.00	-	-	3	-	-	0.4	16	1	156	550	49	29	72	42310	46700
91-106	12867	24.00	26.00	2.00	-	-	1	-	-	0.1	15	1	121	370	48	28	85	43680	19700
91-106	12868	26.00	28.00	2.00	-	-	4	-	-	0.2	16	1	132	385	50	28	81	44000	41730
91-106	12869	28.00	30.00	2.00	-	-	2	-	-	0.3	17	1	183	355	49	27	80	43610	41670
91-106	12870	30.00	32.00	2.00	-	-	1	-	-	0.1	20	1	127	370	67	29	101	44200	20860
91-106	12871	32.00	34.00	2.00	-	-	2	-	-	0.2	18	1	192	345	57	32	91	40510	35980
91-106	12872	34.00	36.00	2.00	-	-	4	-	-	0.1	21	1	193	370	69	33	103	47830	19290
91-106	12873	36.00	38.00	2.00	-	-	2	-	-	0.1	26	1	181	410	69	34	108	49170	17270
91-106	12874	38.00	40.00	2.00	-	-	1	-	-	0.1	23	1	164	375	70	32	105	45930	15870
91-106	12875	40.00	42.00	2.00	-	-	3	-	-	0.1	23	3	180	395	60	31	100	44790	24550
91-106	12876	42.00	44.00	2.00	-	-	1	-	-	0.1	22	3	643	365	63	33	93	43010	19730
91-106	12877	44.00	46.00	2.00	-	-	2	-	-	0.3	25	4	470	355	56	29	93	41580	19570
91-106	12878	46.00	48.00	2.00	-	-	1	-	-	0.4	36	12	243	395	52	31	91	40950	41520
91-106	12879	48.00	50.00	2.00	-	-	1	-	-	0.3	48	23	137	450	50	35	90	44830	20710
91-106	12880	50.00	52.00	2.00	-	-	14	-	-	0.4	31	21	145	500	61	29	111	43160	23520
91-106	12881	52.00	54.00	2.00	-	-	2	-	-	0.2	32	9	313	465	64	43	113	44890	23250
91-106	12882	54.00	56.00	2.00	-	-	2	-	-	0.3	26	1	149	390	41	26	73	38820	15610
91-106	12883	56.00	58.00	2.00	-	-	1	-	-	0.1	13	1	327	135	22	22	87	36310	7750
91-106	12884	58.00	60.00	2.00	-	-	1	-	-	0.1	9	1	135	-	57	24	110	34690	7430
91-106	12885	60.00	62.00	2.00	-	-	2	-	-	0.4	21	1	304	-	15	42	100	38190	10070
91-106	12886	62.00	64.00	2.00	-	-	4	-	-	0.3	48	1	203	70	22	34	90	41220	7110
91-106	12887	64.00	66.00	2.00	-	-	1	-	-	0.1	31	1	222	245	55	32	172	42830	7830
91-106	12888	66.00	68.00	2.00	-	-	2	-	-	0.2	31	1	309	600	78	34	91	41360	17030
91-106	12889	68.00	70.00	2.00	-	-	1	-	-	0.1	18	1	221	145	9	22	83	40580	3460
91-106	12890	70.00	72.00	2.00	-	-	2	-	-	0.1	16	1	345	-	4	25	62	36730	7890
91-106	12891	72.00	74.00	2.00	-	-	1	-	-	0.1	18	1	229	-	8	18	59	26940	10090
91-106	12892	74.00	76.00	2.00	-	-	4	-	-	0.3	22	1	462	-	9	23	66	30960	13640
91-106	12893	76.00	78.00	2.00	-	-	8	-	-	0.6	13	1	289	-	46	21	73	29250	15660
91-106	12894	78.00	80.00	2.00	-	-	2	-	-	1.5	92	14	213	-	38	57	103	44910	27820
91-106	12895	80.00	82.00	2.00	-	-	1	-	-	1.9	93	11	96	-	17	44	63	50160	15730
91-106	12896	82.00	84.00	2.00	-	-	3	-	-	0.5	35	2	179	-	6	24	72	36430	20820
91-106	12897	84.00	86.00	2.00	-	-	2	-	-	0.3	33	3	163	-	9	31	104	54050	16460
91-106	12898	86.00	88.00	2.00	-	-	6	-	-	1.8	22	1	127	-	7	26	76	12310	12050
91-106	12899	88.00	90.00	2.00	-	-	8	-	-	0.8	26	2	223	-	8	25	59	35920	20800
91-106	12900	90.00	92.00	2.00	-	-	87	-	-	0.2	33	1	110	-	29	19	56	64430	24450
91-106	12901	92.00	94.00	2.00	-	-	102	-	-	0.6	37	2	100	-	39	15	59	54970	45080
91-106	12902	94.00	96.00	2.00	-	-	240	-	-	0.7	23	1	83	-	33	15	47	42580	22060
91-106	12903	96.00	98.00	2.00	-	-	28	-	-	1.5	7	1	85	-	5	8	16	7640	50680
91-106	12904	98.00	100.00	2.00	-	-	8	-	-	0.3	25	1	199	-	43	13	38	54050	38560
91-106	12905	100.00	102.00	2.00	-	-	15	-	-	0.5	36	2	88	-	45	13	49	64460	42390
91-106	12906	102.00	104.00	2.00	-	-	7	-	-	1.1	55	9	139	-	47	35	48	71660	48040

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-106	12907	104.00	106.00	2.00	-	-	10	-	-	0.7	47	1	95	-	55	49	117	56580	45250
91-106	12908	106.00	108.00	2.00	-	-	70	-	-	2.7	174	5	200	-	53	246	284	35530	23360
91-106	12909	108.00	110.00	2.00	-	-	7	-	-	0.6	224	9	64	-	17	398	461	63890	15450
91-106	12910	110.00	112.00	2.00	-	-	2	-	-	0.4	263	10	153	-	43	138	85	57150	22950
91-106	12911	112.00	114.00	2.00	-	-	1	-	-	0.1	209	7	131	-	51	18	72	55820	17770
91-106	12912	114.00	116.00	2.00	-	-	2	-	-	0.5	126	5	369	-	36	24	69	55060	23270
91-106	12913	116.00	118.00	2.00	-	-	18	-	-	1.3	324	19	98	-	23	25	65	53720	7750
91-106	12914	118.00	120.00	2.00	-	-	4	-	-	1.3	85	1	114	-	4	22	46	19740	16350
91-106	12915	120.00	122.00	2.00	-	-	62	-	-	2.3	74	5	81	-	13	32	66	27960	6530
91-106	12916	122.00	124.00	2.00	-	-	78	-	-	1.8	82	10	105	185	30	34	51	34000	9750
91-106	12917	124.00	126.00	2.00	-	-	36	-	-	0.4	61	11	110	240	54	33	99	42890	16250
91-106	12918	126.00	128.00	2.00	-	-	35	-	-	1.1	76	8	116	170	42	24	92	44240	18390
91-106	12919	128.00	130.00	2.00	-	-	80	-	-	2.6	62	12	129	185	43	33	79	38320	19010
91-106	12920	130.00	132.00	2.00	-	-	41	-	-	0.8	52	10	124	265	50	30	79	38650	13430
91-106	12921	132.00	134.00	2.00	-	-	20	-	-	0.1	69	9	119	215	55	22	92	42290	17390
91-106	12922	134.00	136.00	2.00	-	-	10	-	-	0.3	45	11	189	265	49	30	79	38110	26990
91-106	12923	136.00	138.00	2.00	-	-	3	-	-	0.4	48	12	133	240	66	28	87	42980	19670
91-106	12924	138.00	140.00	2.00	-	-	4	-	-	0.6	51	7	122	210	67	28	95	43700	19540
91-106	12925	140.00	142.00	2.00	-	-	68	-	-	2.3	83	11	278	230	63	40	99	43520	20890
91-106	12926	142.00	144.00	2.00	-	-	45	-	-	1.5	112	8	138	185	52	33	87	39160	19720
91-106	12927	144.00	146.00	2.00	-	-	29	-	-	1.8	83	11	223	175	57	50	90	40480	11210
91-106	12928	146.00	148.00	2.00	-	-	27	-	-	1.8	74	7	111	185	62	38	94	39570	11250
91-106	12929	148.00	150.00	2.00	-	-	24	-	-	1.9	64	7	122	165	35	39	430	36500	9980
91-106	12930	150.00	152.00	2.00	-	-	90	-	-	3.3	207	8	115	205	76	44	141	47550	19740
91-106	12931	152.00	154.00	2.00	-	-	40	-	-	2.4	70	5	212	155	68	36	113	43890	15960
91-106	12932	154.00	156.00	2.00	-	-	381	-	-	6.4	751	10	101	185	51	51	76	48740	20710
91-106	12933	156.00	158.00	2.00	-	-	850	-	-	8.0	1508	18	121	205	51	62	203	42070	15930
91-106	12934	158.00	160.00	2.00	-	-	193	-	-	4.8	324	9	119	145	98	74	210	35770	6520
91-106	12935	160.00	162.00	2.00	-	-	74	-	-	3.2	71	5	131	115	85	84	225	41170	6210
91-106	12936	162.00	164.00	2.00	-	-	140	-	-	4.3	88	9	142	175	41	61	83	43460	10520
91-106	12937	164.00	166.00	2.00	-	-	305	-	-	8.0	547	15	132	210	51	155	225	44380	4760
91-106	12938	166.00	168.00	2.00	-	-	413	-	-	8.8	416	11	165	185	49	105	192	44330	4050
91-106	12939	168.00	170.00	2.00	-	-	751	-	-	16.9	1556	19	149	295	81	305	405	51740	5420
91-106	12940	170.00	172.00	2.00	-	-	300	-	-	7.1	632	8	165	195	63	50	255	39600	4960
91-106	12941	172.00	174.00	2.00	-	-	162	-	-	2.5	376	8	127	125	39	35	80	37080	13460
91-106	12942	174.00	176.00	2.00	-	-	58	-	-	1.5	44	7	119	145	44	33	75	42610	19670
91-106	12943	176.00	178.00	2.00	-	-	22	-	-	0.8	33	8	116	170	53	28	82	36930	15820
91-106	12944	178.00	180.00	2.00	-	-	20	-	-	1.2	39	2	141	120	23	33	25	35310	37930
91-106	12945	180.00	182.00	2.00	-	-	23	-	-	1.4	48	3	77	115	35	38	43	31690	14720
91-106	12946	182.00	184.00	2.00	-	-	19	-	-	0.9	48	5	118	155	43	30	77	41830	18500
91-106	12947	184.00	186.00	2.00	-	-	15	-	-	0.5	40	7	108	275	53	36	82	45890	20940
91-106	12948	186.00	188.00	2.00	-	-	2	-	-	0.3	29	4	186	200	39	28	86	41120	25990
91-106	12949	188.00	190.00	2.00	-	-	1	-	-	0.5	30	4	163	160	47	29	78	42450	22140
91-106	12950	190.00	192.00	2.00	-	-	1	-	-	0.5	31	3	130	185	53	31	96	42340	19730
91-106	12951	192.00	194.00	2.00	-	-	2	-	-	0.8	31	4	134	160	61	39	101	43650	12240
91-106	12952	194.00	196.00	2.00	-	-	10	-	-	0.8	25	4	234	165	58	41	90	44240	15340
91-106	12953	196.00	198.00	2.00	-	-	2	-	-	0.8	21	4	174	210	52	31	85	40470	12300
91-106	12954	198.00	200.00	2.00	-	-	8	-	-	0.5	21	1	234	135	49	30	88	43040	17060
91-106	12955	200.00	202.00	2.00	-	-	82	-	-	0.8	22	1	253	100	43	30	80	40310	17240
91-106	12956	202.00	204.00	2.00	-	-	2	-	-	0.3	13	1	324	45	17	23	69	36260	18970
91-106	12957	204.00	206.00	2.00	-	-	1	-	-	0.1	10	1	310	65	15	19	89	47590	12750

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-106	12958	206.00	208.00	2.00	-	-	1	-	-	0.1	11	1	274	55	10	20	70	39480	14640
91-106	12959	208.00	210.00	2.00	-	-	1	-	-	0.3	17	1	153	205	26	28	147	35700	23290
91-106	12960	210.00	212.00	2.00	-	-	2	-	-	0.9	27	2	150	900	56	28	380	33870	46600
91-106	12961	212.00	214.00	2.00	-	-	1	-	-	0.8	26	1	115	925	46	27	316	29690	45250
91-106	12962	214.00	216.00	2.00	-	-	1	-	-	0.8	27	1	124	265	21	29	148	25320	38860
91-106	12963	216.00	218.00	2.00	-	-	1	-	-	1.0	38	1	97	-	6	51	93	7190	21270
91-106	12964	218.00	220.00	2.00	-	-	1	-	-	1.1	23	1	73	-	4	28	178	4650	23980
91-106	12965	220.00	222.00	2.00	-	-	1	-	-	1.0	19	1	95	-	5	23	23	3630	38760
91-106	12966	222.00	224.00	2.00	-	-	1	-	-	1.1	33	3	171	-	6	32	107	8670	17390
91-106	12967	224.00	226.00	2.00	-	-	1	-	-	0.8	23	4	150	-	5	36	102	13220	4360
91-106	12968	226.00	228.00	2.00	-	-	1	-	-	1.0	32	5	235	-	7	41	130	12600	6880

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ101+102
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12815	2.3	10530	54	2	116	.1	1	18520	.1	10	21	48320	3210	6	5050	1321	2	930	1	770	41	3	21	1	26	24.9	96	1	1	2	45	61	150
12816	.3	5990	28	3	106	.3	1	11860	.1	11	7	47810	3520	2	7920	1325	1	750	1	440	21	1	23	1	16	25.7	193	1	1	1	25	12	65
12817	.4	5690	18	2	106	.4	1	11060	.1	10	6	38080	3420	1	6600	1189	1	820	1	450	21	1	20	1	15	21.2	208	1	1	1	20	6	70
12818	.3	11690	33	6	117	.4	1	8590	.1	11	19	40080	3870	7	5310	930	1	90	1	270	16	1	7	1	21	23.4	100	2	1	2	9	7	
12819	.1	16790	25	5	116	.1	1	9170	.1	14	17	53790	4640	11	7850	1205	1	130	1	590	20	1	9	1	17	31.9	135	3	1	2	29	4	
12820	.3	16450	42	3	37	.5	1	14000	.1	13	11	41740	5790	7	6360	1491	1	120	1	400	19	1	12	1	9	28.4	164	4	1	2	18	5	
12821	.2	16540	52	3	87	.6	1	2540	.1	14	70	41430	5410	9	5320	514	1	100	1	230	42	1	3	1	21	24.9	272	2	1	2	32	10	
12822	1.1	15670	525	4	146	.5	1	4380	.1	15	33	56530	5950	7	4560	459	1	80	1	260	274	6	6	1	30	22.7	92	1	1	2	39	140	
12823	1.6	12390	1342	4	187	.3	1	3350	.1	12	47	42750	5770	4	2940	276	1	150	1	780	65	17	6	1	32	22.9	140	1	1	3	64	715	
12824	.6	8590	75	1	201	.6	1	2700	.1	7	16	24220	5280	1	1050	121	1	130	1	350	26	1	8	1	26	11.3	39	1	1	3	67	50	
12825	.3	11230	382	4	218	.2	1	3530	.1	12	20	42060	6560	1	780	101	1	130	1	900	182	1	8	1	41	15.3	197	1	1	4	98	398	
12826	.1	9750	70	3	210	.3	1	4480	.1	8	11	34310	5740	1	950	160	1	100	1	1200	18	1	13	1	33	14.2	88	1	1	3	73	42	
12827	2.0	7790	94	2	169	.1	1	3870	.1	9	100	29310	4460	1	530	57	6	140	1	1160	146	1	10	1	25	14.0	412	1	1	3	75	120	
12828	3.0	9060	182	2	141	.1	1	4510	.1	11	32	37040	5070	1	560	47	2	150	1	1360	79	6	8	1	35	18.4	207	1	1	2	63	105	
12829	12.3	5550	617	2	154	.1	1	4710	7.4	13	54	43840	3690	1	360	47	1	60	1	1370	1288	24	11	1	29	20.3	2098	1	1	3	112	333	
12830	6.5	7690	119	1	101	.1	1	5660	1.7	16	71	38030	5080	1	470	35	4	60	1	1890	710	12	12	1	29	29.9	1044	1	1	2	70	75	
12831	6.5	6720	220	1	189	.1	1	5240	1.0	15	88	37030	4670	1	410	37	1	60	1	1820	712	10	12	1	36	31.8	805	1	1	3	92	127	
12832	11.5	6050	337	2	165	.1	1	7510	6.0	18	178	49540	4010	1	490	146	5	100	1	1550	1011	30	13	1	36	32.6	1990	1	1	2	79	238	
12833	6.9	7050	399	1	168	.1	1	5120	.7	13	153	36020	4730	1	440	36	1	170	1	1760	925	16	11	1	39	32.7	1111	1	1	4	98	133	
12834	4.3	7780	834	1	105	.1	1	5010	.1	15	47	42850	4690	1	1380	186	2	80	1	1680	365	20	11	1	37	39.7	282	1	1	7	160	138	
12835	1.6	5260	243	1	8	.1	1	2620	.1	15	36	36730	2860	1	310	27	1	120	1	1550	184	1	6	1	35	23.1	157	1	1	5	136	100	
12836	5.7	5490	266	1	53	.1	1	4360	.1	15	108	44590	3830	1	340	20	2	170	1	1490	186	16	8	1	38	27.7	481	1	1	6	150	130	
12837	2.4	5700	217	1	129	.1	1	5190	.1	11	25	32230	3980	1	360	68	1	130	1	1380	179	7	10	1	44	21.7	205	1	1	5	129	163	
12838	10.5	4220	392	2	129	.1	1	3940	13.7	13	91	51100	3290	1	240	36	3	50	1	1100	2689	22	7	1	32	19.2	3411	1	1	7	197	203	
12839	8.7	7100	389	2	111	.1	1	4980	13.3	15	98	50830	4570	1	820	70	1	60	1	1610	2139	12	10	1	40	30.9	3223	1	1	2	85	280	
12840	5.3	6680	272	1	122	.1	1	12270	1.1	13	99	32540	4710	1	530	714	2	60	1	1540	712	7	54	1	38	28.9	852	1	1	6	157	167	
12841	3.3	6030	235	1	167	.1	1	4260	.1	12	42	42170	4380	1	370	33	1	50	1	1370	584	7	8	1	40	20.7	665	1	1	4	124	168	
12842	2.4	6300	165	1	160	.1	1	5000	.1	9	25	27510	4640	1	390	56	6	70	1	1370	247	9	8	1	50	24.3	241	1	1	5	135	102	
12843	2.4	6080	146	1	116	.1	1	5040	.1	11	36	38490	4190	1	380	56	1	90	1	1500	278	8	9	1	34	21.2	309	1	1	4	94	100	
12844	2.2	4860	138	1	139	.1	1	4590	.1	14	47	35990	3630	1	270	45	3	70	1	1440	252	9	8	1	30	18.1	292	1	1	3	80	110	
12845	1.6	7880	71	2	20	.1	1	5510	.1	11	17	30670	5220	1	570	55	1	140	1	1850	243	3	11	1	21	22.8	80	1	1	3	75	103	
12846	.3	7060	74	1	131	.1	1	4790	.1	12	13	36980	4740	1	670	85	2	120	1	1520	25	1	9	1	44	23.0	14	1	1	3	71	107	
12847	.5	6590	73	1	121	.1	1	5090	.1	11	11	29450	4610	1	420	41	1	110	1	1580	34	1	9	1	43	19.5	58	1	1	3	74	67	
12848	1.8	4140	178	18	99	.4	2	6580	.1	17	25	38500	3180	7	370	66	1	100	1	1550	181	7	10	2	41	14.3	30	1	2	2	39	108	
12849	.8	6800	102	12	83	.1	2	6780	.1	13	29	38060	3000	7	2290	323	1	100	1	1610	73	3	12	1	36	25.5	84	1	1	3	35	61	
12850	.5	7520	73	8	93	.2	1	5160	.1	11	10	34570	2960	6	2850	345	1	150	1	1540	95	2	12	1	33	25.2	56	2	1	2	41	57	
12851	.4	11350	69	6	73	.2	1	7370	.1	11	16	35400	2620	10	5010	615	1	100	1	1430	88	2	16	1	33	33.4	93	3	1	3	33	58	
12852	.6	11620	51	5	68	.1	1	5110	.1	10	17	33860	1910	12	5780	537	1	130	25	1400	234	1	10	1	26	41.1	234	4	1	3	38	20	
12853	1.5	10890	54	4	63	.1	1	5020	.1	10	60	34360	2180	9	5150	415	1	110	1	1450	474	4	9	1	26	33.1	485	4	1	2	27	41	
12854	.2	12030	60	4	76	.1	1	5230	.1	11	25	43520	2270	10	6180	458	1	210	1	1680	41	2	10	1	31	44.1	70	3	1	2	28	96	
12855	.2	15480	57	4	50	.1	2	15560	.1	11	12	40350	2360	14	9210	1215	1	130	1	1670	24	1	31	1	30	39.3	49	4	1	2	16	22	
12856	.2	16070	40	7	235	.3	2	24550	.1	11	42	40790	1960	14	8180	449	1	800	1	820	28	1	50	1	22	29.7	88	2	1	2	37	1	450
12857	.1	8550	39	7	106	.2	1	12380	.1	12	43	44500	2340	7	7950	401	1	850	1	790	25	10	21	1	13	21.1	89	1	1	2	22	2	480
12858	.1	6030	38	9	112	.5	1	7730	.1	13	49	42080	2960	2	6700	356	1	760	3	860	22	17	14	1	9	17.2	77	1	1	2	39	1	395
12859	.1	5140	24	6	89	.3	1	19470	.1	11	40	40790	2540	3	9290	468	1	600	1	710	21	5	39	1	11	17.7	83	1	1	2	30	2	365
12860	.1	15070	20	7	142	.2	1	16410	.1	13	46	44170	3450	13	9220	354	1	1040	1	850	27	1	40	1	24	32.6	87	1	1	2	41	1	420
12861	.1	20030	19	3	131	.4	1	19710	.1	12	42	40240	2820	17	9410	405	1	910	1	830	25	1	55	1	24	36.1	81	3	1	2	42	3	450
12862	.2	17660	15	3	99	.3	1	22160	.1	12	42	42560	2450	16	8970	424	1	930	1	950	28	1	55	1	21	31.5	83	2	1	2	29	2	615
12863	.1	19580	14	3	176	.3	1	20950	.1	12	44	40920	2750	16	9430	406	1	610	2	850	27	1	55	1	24	33.4	81	2	1	2	41	2	450
12864	.1	23180	11	2	112	.1	1	33250	.1	13	37	42670	2530	22	11240	532	1	980	1	1010	20	1	70	1	29	61.0	76	3	1	3	38	1	280
12865	.2	18290	16	3	106	.2	1	41730	.1	12	31	43340	2720	16	8600	565	1	730	1	1110	25	1	107	1	28	42.6	71	2	1	3	50	1	395
12866	.4	17600	16	2	156	.1	1	46700	.1	13	49	42310	2520	16	9280	682	1	750	2	980	29	1	96	1	24	40.4	72	3	1	2	31	3	550
12867	.1	20220	15	2	121	.2	1	19700	.1	13	48	43680	2870	19	11110	412	1	850	3	940	28	1	46	1	26	38.1	85	2	1	3	52	1	370
12868	.2	21290	16	1	132	.2	1	41730	.1	14	50	44000	1820	23	11530	652	1	840	1	1050	28	1	63	1	22	47.7	81	3	1	1	20	4	385
12869	.3	21180	17	1	183	.1	1	41670	.1	14	49	43610	2000	22	11370	638	1	650	1	960	27	1	62	1	20	45.3	80	3	1	2	26	2	355
12870	.1	23050	20	3	127	.4	1	20860	.1	14	67	44200	2880	23	11650	489	1	860	5	1120	29	1	49	1	26	42.9	101	3	1	2	46	1	370

91-106

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ103+104
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12871	.2	21220	18	3	192	.4	1	35980	.1	13	57	40510	3270	20	10490	535	1	1030	9	860	32	1	59	1	28	37.8	91	2	1	2	40	2	345
12872	.1	24070	21	2	193	.2	1	19290	.1	17	69	47830	2910	22	12060	400	1	900	7	840	33	1	43	1	22	41.5	103	3	1	2	35	4	370
12873	.1	22310	26	2	181	.2	1	17270	.1	17	69	49170	2910	22	12440	386	1	780	7	860	34	1	39	1	23	40.3	108	2	1	2	27	2	410
12874	.1	19990	23	4	164	.3	1	15870	.1	16	70	45930	3130	21	11430	351	1	890	6	830	32	1	37	1	25	38.4	105	2	1	2	28	1	375
12875	.1	20220	23	3	180	.3	1	24550	.1	15	60	44790	3630	20	11260	498	1	1290	7	910	31	3	53	1	22	39.7	100	3	1	2	26	3	395
12876	.1	13420	22	4	643	.4	1	19730	.1	14	63	43010	3600	14	10930	447	1	900	7	850	33	3	45	1	17	32.1	93	2	1	2	30	1	365
12877	.3	12850	25	4	470	.4	1	19570	.1	14	56	41580	3420	14	10410	430	1	920	6	840	29	4	43	1	17	30.8	93	3	1	1	17	2	355
12878	.4	6700	36	6	243	.1	1	41520	.1	12	52	40950	3330	4	10080	679	1	980	7	1010	31	12	65	1	13	24.0	91	2	1	1	24	1	395
12879	.3	6500	48	7	137	.3	1	20710	.1	13	50	44830	3390	1	10330	580	1	1040	8	1070	35	23	45	1	11	24.2	90	2	1	1	15	1	450
12880	.4	6440	31	6	145	.2	1	23520	.1	13	61	43160	3270	1	11210	709	1	880	4	1050	29	21	53	1	9	21.6	111	2	1	1	19	14	500
12881	.2	7050	32	6	313	.3	1	23250	.1	13	64	44890	3360	4	11510	768	1	3330	3	970	43	9	45	1	14	22.4	113	1	1	2	41	2	465
12882	.3	5620	26	4	149	.3	1	15610	.1	12	41	38820	3090	1	9330	383	1	1010	3	760	26	1	32	1	11	17.2	73	1	1	1	21	2	390
12883	.1	4290	13	2	327	.5	1	7750	.1	10	22	36310	2310	3	8130	272	1	650	1	220	22	1	15	1	11	12.5	87	1	1	2	38	1	135
12884	.1	9420	9	1	135	.3	1	7430	.1	10	57	34690	1640	11	10360	327	1	490	1	90	24	1	12	1	20	11.7	110	3	1	2	44	1	
12885	.4	17810	21	11	304	.2	1	10070	.1	11	15	38190	3250	16	12350	385	1	1270	1	110	42	1	18	3	29	17.6	100	5	1	2	20	2	
12886	.3	16790	48	8	203	.6	1	7110	.1	12	22	41220	3600	15	12890	317	1	1470	1	210	34	1	14	2	13	23.2	90	5	1	2	11	4	70
12887	.1	13480	31	11	222	.4	1	7830	.1	15	55	42830	4560	14	12790	396	2	1710	5	860	32	1	15	1	10	26.7	172	3	1	2	11	1	245
12888	.2	11820	31	10	309	.3	1	17030	.1	12	78	41360	4500	11	13380	633	1	2100	1	580	34	1	26	1	17	21.1	91	3	1	1	17	2	600
12889	.1	11430	18	11	221	.7	1	3460	.1	10	9	40580	4560	9	8710	185	1	1460	1	160	22	1	9	1	16	16.1	83	2	1	1	12	1	145
12890	.1	13280	16	12	345	.6	1	7890	.1	9	4	36730	5090	10	9570	257	1	120	1	360	25	1	16	1	17	22.5	62	3	1	1	13	2	
12891	.1	10610	18	12	229	.5	1	10090	.1	8	8	26940	4990	4	6840	301	1	130	1	610	18	1	19	1	16	21.8	59	2	1	2	29	1	
12892	.3	11100	22	13	462	.5	1	13640	.1	8	9	30960	5870	2	8090	366	1	130	1	830	23	1	25	1	16	24.6	66	3	1	2	26	4	
12893	.6	9890	13	10	289	.5	1	15660	.1	8	46	29250	5260	1	9520	539	2	140	1	450	21	1	24	1	13	20.8	73	3	1	2	33	8	
12894	1.5	9250	92	11	213	.3	1	27820	.1	15	38	44910	4910	1	16830	947	1	110	1	510	57	14	48	1	9	23.9	103	3	1	2	31	2	
12895	1.9	13920	93	10	96	.3	1	15730	.1	12	17	50160	5270	11	17880	674	2	1200	1	1010	44	11	32	1	11	21.3	63	4	1	2	27	1	
12896	.5	19930	35	10	179	.9	1	20820	.1	8	6	36430	7620	11	17340	770	1	1150	1	1580	24	2	26	1	31	23.1	72	5	1	2	18	3	
12897	.3	31030	33	8	163	.6	1	16460	.1	13	9	54050	7050	24	22800	738	1	1310	1	1610	31	3	23	1	16	41.8	104	4	1	2	27	2	
12898	1.8	13100	22	1	127	1.0	1	12050	.1	9	7	12310	5020	7	13850	542	1	1360	4	110	26	1	19	1	16	4.6	76	6	1	1	12	6	
12899	.8	25520	26	7	223	.7	1	20800	.1	11	8	35920	5390	20	22340	1001	1	1180	1	570	25	2	34	1	23	30.4	59	5	1	2	26	8	
12900	.2	23540	33	7	110	.1	1	24450	.1	24	29	64430	4920	19	26770	1377	1	60	3	440	19	1	34	1	15	53.3	56	1	1	1	26	87	
12901	.6	19320	37	12	100	.1	1	45080	.1	26	39	54970	5290	13	28070	2100	1	90	14	540	15	2	46	1	18	56.6	59	1	1	2	31	102	
12902	.7	18750	23	3	83	.4	1	22060	.1	28	33	42580	4580	13	29550	2182	1	70	21	400	15	1	14	1	18	36.5	47	2	1	1	24	240	
12903	1.5	5900	7	1	85	.2	1	50680	.1	13	5	7640	3790	12	33510	1647	1	510	20	60	8	1	50	1	47	13.6	16	2	1	1	11	28	
12904	.3	37430	25	8	199	.5	1	38560	.1	33	43	54050	4960	37	45630	1944	1	70	31	550	13	1	37	1	19	100.5	38	1	1	1	39	8	
12905	.5	35530	36	7	88	.2	1	42390	.1	38	45	64460	3610	37	43870	2054	1	70	44	560	13	2	38	1	23	98.8	49	1	1	1	34	15	
12906	1.1	24560	55	10	139	.1	1	48040	.1	42	47	71660	4430	29	26730	1594	1	90	48	650	35	9	46	1	24	79.2	48	1	1	2	27	7	
12907	.7	26490	47	8	95	.4	1	45250	.1	29	55	56580	4380	23	24120	1655	1	520	14	650	49	1	34	1	26	68.7	117	3	1	2	29	10	
12908	2.7	13700	174	7	200	.3	1	23360	.1	13	53	35530	5480	5	12130	1543	1	930	7	640	246	5	27	1	31	31.3	284	3	1	2	23	70	
12909	.6	42880	224	15	64	.1	1	15450	.1	30	17	63890	2590	46	49900	3290	1	130	28	410	398	9	33	1	36	145.1	461	1	1	3	62	7	
12910	.4	35310	263	7	153	.1	1	22950	.1	34	43	57150	4460	34	36900	2625	1	980	31	460	138	10	44	1	26	115.4	85	1	1	3	61	2	
12911	.1	36730	209	7	131	.2	1	17770	.1	37	51	55820	4470	33	37550	1550	1	70	30	490	18	7	30	1	33	121.9	72	1	1	3	60	1	
12912	.5	38960	126	6	369	.1	1	23270	.1	32	36	55060	3130	36	44810	1981	1	80	26	430	24	5	41	1	38	126.4	69	1	1	2	53	2	
12913	1.3	29530	324	5	98	.1	1	7750	.1	27	23	53720	3080	29	30840	1214	1	190	15	480	25	19	15	1	34	101.2	65	2	1	4	63	18	
12914	1.3	11170	85	3	114	.3	1	16350	.1	8	4	19740	3160	9	8730	963	2	760	4	440	22	1	28	1	20	26.3	46	4	1	2	42	4	
12915	2.3	7510	74	1	81	.4	1	6530	.1	10	13	27960	2300	5	4260	332	2	860	1	710	32	5	11	1	17	17.0	66	1	1	3	59	62	
12916	1.8	10280	82	5	105	.3	1	9750	.1	11	30	34000	3240	6	6600	614	7	430	1	850	34	10	12	1	27	16.7	51	2	1	2	26	78	185
12917	.4	10140	61	4	110	.4	1	16250	.1	13	54	42890	4340	4	8690	1041	1	420	5	860	33	11	18	1	19	16.4	99	1	1	1	29	36	240
12918	1.1	13950	76	3	116	.2	1	18390	.1	12	42	44240	4230	9	12280	1039	1	440	2	840	24	8	19	1	24	24.0	92	1	1	2	36	35	170
12919	2.6	10290	62	3	129	.4	1	19010	.1	11	43	38320	4420	3	9320	1112	1	370	4	790	33	12	21	1	20	18.3	79	2	1	2	30	80	185
12920	.8	13690	52	2	124	.4	1	13430	.1	11	50	38650	4200	8	8780	682	1	710	2	890	30	10	16	1	24	21.2	79	1	1	2	22	41	265
12921	.1	16630	69	2	119	.2	1	17390	.1	13	55	42290	3880	13	7940	534	1	960	2	840	22	9	26	1	21	27.0	92	1	1	1	21	20	215
12922	.3	15690	45	1	189	.2	1	26990	.1	11	49	38110	3490	12	9930	983	1	610	5	870	30	11	35	1	18	22.3	79	2	1	1	17	10	265
12923	.4	17940	48	2	133	.2	1	19670	.1	12	66	42980	4370	14	9120	736	1	770	4	780	28	12	29	1	22	27.0	87	2	1	1	17	3	240
12924	.6	19620	51	2	122	.3	1	19540	.1	13	67	43700	4410	17	9910	727	1	840	4	820	28	7	30	1	22	29.9	95	2	1	1	20	4	210
12925	2.3	14530	83	2	278	.2	1	20890	.1	12	63	43520	4280	10	11210	1238	1	690	4	920	40	11	29	1	21	23.7	99	1	1	1	17	68	230
12926	1.5	14310	112	1	138	.3	1	19720	.1	12	52	39160	3880	11	12310	1206	1	610	5	810	33	8	28	1	18	23.7	87	2	1	1	16	45	185

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ105+106
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12927	1.8	14170	83	1	223	.4	1	11210	.1	13	57	40480	3790	11	8600	660	1	830	6	830	50	11	20	1	15	21.1	90	2	1	1	11	29	175
12928	1.8	14000	74	1	111	.4	1	11250	.1	12	62	39570	3860	10	7210	623	1	970	4	760	38	7	19	1	15	20.8	94	1	1	1	12	27	185
12929	1.9	14250	64	1	122	.6	1	9980	.1	12	35	36500	4090	11	7270	647	1	710	6	810	39	7	16	1	21	21.3	430	1	1	1	13	24	165
12930	3.3	9330	207	2	115	.3	1	19740	.1	13	76	47550	4010	3	8060	1692	1	700	5	870	44	8	31	1	14	16.4	141	1	1	1	14	90	205
12931	2.4	9940	70	1	212	.2	1	15960	.1	12	68	43890	3740	5	7090	1196	1	700	3	820	36	5	23	1	12	15.7	113	1	1	1	12	40	155
12932	6.4	7480	751	1	101	.1	1	20710	.1	12	51	48740	3640	2	8520	1934	1	790	1	960	51	10	28	1	13	14.6	76	1	1	1	16	381	185
12933	8.0	6910	1508	1	121	.3	1	15930	.1	12	51	42070	3780	1	4790	1207	1	780	2	790	62	18	24	1	12	13.5	203	1	1	1	11	850	205
12934	4.8	7160	324	1	119	.5	1	6520	.1	13	98	35770	3470	2	1900	262	1	810	4	830	74	9	17	1	10	11.9	210	1	1	1	11	193	145
12935	3.2	7060	71	1	131	.3	1	6210	.1	12	85	41170	3760	1	1240	243	1	510	1	940	84	5	17	1	11	12.1	225	1	1	1	14	74	115
12936	4.3	6600	88	1	142	.3	1	10520	.1	11	41	43460	3780	1	2730	1251	1	610	2	960	61	9	17	1	13	13.0	83	1	1	1	15	140	175
12937	8.0	5660	547	1	132	.1	1	4760	.1	12	51	44380	3250	1	500	107	1	750	1	850	155	15	15	1	11	9.5	225	1	1	1	16	305	210
12938	8.8	6940	416	1	165	.4	1	4050	.1	14	49	44330	3950	1	590	34	1	480	1	870	105	11	17	1	10	11.1	192	1	1	1	13	413	185
12939	16.9	7220	1556	1	149	.1	1	5420	.1	15	81	51740	4060	1	610	105	1	710	1	880	305	19	16	1	15	11.8	405	1	1	1	16	751	295
12940	7.1	8290	632	1	165	.4	1	4960	.1	13	63	39600	4540	1	710	67	1	490	1	840	50	8	17	1	15	13.1	255	1	1	1	14	300	195
12941	2.5	9340	376	1	127	.3	1	13460	.1	11	39	37080	3940	4	4920	1056	1	620	1	870	35	8	20	1	17	16.8	80	1	1	1	16	162	125
12942	1.5	15190	44	1	119	.2	1	19670	.1	12	44	42610	3630	13	10750	1421	1	990	2	920	33	7	28	1	20	26.2	75	1	1	1	16	58	145
12943	.8	15490	33	1	116	.3	1	15820	.1	13	53	36930	3890	12	8620	953	1	790	4	830	28	8	26	1	19	29.3	82	2	1	1	16	22	170
12944	1.2	11130	39	1	141	.2	1	37930	.1	9	23	35310	2710	8	12680	2077	1	570	1	790	33	2	35	1	17	23.0	25	3	1	1	17	20	120
12945	1.4	12690	48	1	77	.2	1	14720	.1	11	35	31690	2670	12	8380	703	1	660	3	800	38	3	22	1	16	23.3	43	2	1	1	17	23	115
12946	.9	19090	48	5	118	.2	1	18500	.1	12	43	41830	2790	19	13380	855	1	350	2	880	30	5	29	1	26	36.7	77	3	1	2	38	19	155
12947	.5	17920	40	4	108	.4	2	20940	.1	13	53	45890	2920	18	14720	829	1	540	4	980	36	7	34	1	24	33.3	82	2	1	2	29	15	275
12948	.3	19590	29	4	186	.3	1	25990	.1	12	39	41120	3850	17	19490	1016	1	470	2	970	28	4	30	1	32	36.6	86	2	1	2	38	2	200
12949	.5	19740	30	4	163	.3	1	22140	.1	14	47	42450	3360	19	18020	926	1	380	1	930	29	4	29	1	28	40.7	78	2	1	2	41	1	160
12950	.5	23370	31	4	130	.4	1	19730	.1	13	53	42340	4220	22	17030	777	1	430	6	1070	31	3	28	1	30	42.2	96	4	1	2	32	1	185
12951	.8	24930	31	5	134	.5	1	12240	.1	14	61	43650	4850	22	13860	550	1	550	5	1030	39	4	20	1	31	45.4	101	2	1	2	28	2	160
12952	.8	26690	25	5	234	.6	1	15340	.1	14	58	44240	4630	26	15730	671	1	530	5	1020	41	4	26	1	31	46.7	90	3	1	2	32	10	165
12953	.8	25610	21	5	174	.7	1	12300	.1	12	52	40470	5070	23	14050	523	1	650	5	890	31	4	23	1	29	40.9	85	3	1	2	32	2	210
12954	.5	25380	21	5	234	.6	1	17060	.1	14	49	43040	4960	22	15700	836	2	640	5	900	30	1	27	1	32	43.9	88	3	1	2	22	8	135
12955	.8	24120	22	4	253	.7	1	17240	.1	12	43	40310	4440	21	15430	781	4	460	1	690	30	1	28	1	33	33.7	80	3	1	3	59	82	100
12956	.3	24530	13	4	324	.9	1	18970	.1	9	17	36260	5310	20	16120	588	1	570	1	860	23	1	36	1	35	28.0	69	3	1	3	49	2	45
12957	.1	31060	10	5	310	.5	2	12750	.1	14	15	47590	4260	31	17150	383	1	410	1	820	19	1	30	1	45	45.9	89	3	1	3	59	1	65
12958	.1	27280	11	4	274	.5	1	14640	.1	9	10	39480	4480	29	15970	366	1	530	1	660	20	1	30	1	37	30.9	70	3	1	2	39	1	55
12959	.3	21840	17	5	153	.9	1	23290	.1	9	26	35700	5350	19	18450	520	16	1530	17	750	28	1	33	1	33	42.7	147	2	1	3	66	1	205
12960	.9	12640	27	5	150	.5	1	46600	1.2	11	56	33870	6150	1	25410	887	42	1090	69	770	28	2	37	1	33	86.8	380	2	1	4	82	2	900
12961	.8	7890	26	3	115	.8	1	45250	.5	7	46	29690	3770	1	23410	659	37	1010	50	750	27	1	39	1	18	45.0	316	2	1	2	23	1	925
12962	.8	16200	27	2	124	2.4	1	38860	.1	8	21	25320	4670	14	22160	468	11	1380	15	340	29	1	45	1	22	25.5	148	4	1	3	68	1	265
12963	1.0	12090	38	10	97	2.5	2	21270	.1	2	6	7190	4120	9	8850	110	4	1210	1	70	51	1	41	1	28	2.5	93	6	1	4	68	1	
12964	1.1	6020	23	5	73	1.1	1	23980	.1	1	4	4650	2520	2	4850	119	5	780	3	60	28	1	42	1	17	2.4	178	5	1	6	143	1	
12965	1.0	7510	19	4	95	1.3	1	38760	.1	1	5	3630	3200	2	5890	135	3	750	2	60	23	1	52	1	21	2.4	23	5	1	5	114	1	
12966	1.1	22700	33	7	171	3.7	2	17390	.1	2	6	8670	8200	16	12640	70	5	780	3	80	32	3	43	3	50	3.0	107	9	2	6	135	1	
12967	.8	32470	23	6	150	3.8	2	4360	.1	2	5	13220	6330	49	31670	32	2	1300	1	40	36	4	14	1	39	3.2	102	7	1	4	87	1	
12968	1.0	35560	32	7	235	5.2	2	6880	.1	2	7	12600	9470	45	27210	40	3	920	1	80	41	5	21	2	48	3.2	130	9	2	5	93	1	
12969	.7	6090	44	6	56	1.3	1	19410	.1	3	13	12480	2340	6	1870	259	9	230	8	50	34	1	24	1	51	3.4	80	3	1	5	115	2	
12970	.6	9600	27	5	100	2.2	1	22340	.1	3	9	15580	3880	8	2420	332	5	310	3	20	31	1	28	2	67	2.1	119	4	2	7	143	1	
12971	.6	12830	60	4	178	3.2	1	7690	.1	2	9	15070	5000	9	3020	200	4	210	1	20	32	1	7	3	81	1.5	140	6	1	3	58	1	
12972	.5	12210	18	3	122	2.9	1	7570	.1	2	5	14830	5030	8	2710	196	3	290	1	20	33	1	8	4	89	1.2	134	6	1	6	116	2	
12973	.5	7350	24	3	88	2.0	1	6560	.1	2	7	15880	3340	5	1850	167	5	310	1	30	29	1	6	1	54	1.4	114	4	1	8	191	1	
12974	.8	6010	19	3	80	1.8	1	14560	.1	2	4	8710	4010	1	840	202	12	90	2	10	19	1	20	1	31	1.6	95	3	1	6	125	1	
12975	.8	5940	23	2	94	1.6	1	12360	.1	2	4	7550	4170	1	460	148	16	120	3	20	24	1	22	1	36	1.6	107	3	1	6	135	1	
12976	.9	3730	22	1	45	.8	1	39790	.1	2	4	7610	2420	1	470	339	7	310	3	30	22	1	38	1	43	2.0	70	3	1	7	165	2	
12977	.8	7700	21	2	87	3.1	1	14610	.1	2	5	11390	4550	3	2200	165	2	160	1	20	32	1	18	3	66	1.3	120	4	1	4	88	1	
12978	.6	6830	15	2	118	2.1	1	8550	.1	1	4	8470	3770	3	1900	102	3	180	2	20	26	1	13	1	54	1.2	93	4	1	7	148	1	
12979	.5	7310	13	1	83	2.3	1	9390	.1	1	5	11480	3520	5	2510	116	2	160	1	20	23	1	12	1	60	1.2	103	4	1	5	95	2	
12980	.7	7240	17	1	63	1.9	1	22280	.1	2	6	10480	3090	6	2840	213	4	200	3	30	28	1	29	1	52	2.8	75	4	1	8	183	1	
12981	.8	14480	20	3	78	3.4	1	49910	.1	3	10	23450	5380	13	6610	373	3	100	1	30	21	1	40	1	71	6.1	102	7	1	3	55	1	
12982	.8	11820	54	3	90	1.0	1	78630	.1	27	35	26960	3670	13	7700	989	2	270	41	910	18	4	75	1	111	103.6	80	7	1	9	164	3	

91-106

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-107
PAGE 1 OF 13

TESTS

Meterage	Dip	Azimuth
0	-46°	119°
41	-45°	116°
88	-44°	116°
166.7	-45°	117.5°

COLLAR SURVEY:
Northing: 9970.16
Easting: 9671.08
Elevation: 1101.13
Azimuth: 121°
Dip: -46°
IP Grid Coordinates: 9960N 9680E

CORE BQTW
Section: 9985 N
Date Started: Aug 26/91
Date Finnished: Aug 28/91
Date Logged: Aug 28/91

Total Depth: 170.4
Casing Depth 1.5m
Casing Left In: YES
Logged By: M ARCHAMBAULT
Comments:

SAMPLE NUMBERS
12969 To 13052
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	0.5	OVERBURDEN
0.5	7.3	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
		Lithology: 0.5-4.3 Medium grey to green rhyolite fragments in a black siliceous matrix (glass?) Fragments are angular but not always well defined, and vary from 1mm to 3cm in diameter. The interval grades from being 90% black matrix with 10% undefined rhyolite background to 80-90% grey rhyolite fragments in massive rhyolite with 10% black cherty breccia matrix. 0.5-1.7m = "Cherty" rhyolite breccia with well defined fragments = 30-40% - grades into rhyolite breccia
		Structure: Foliated from 3.0m to 3.5m with slickenside 40° to c.a
		Alteration: Weak sericite of the fragments
		Mineralization: Trace of disseminated pyrite

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-107 PAGE 2 OF 13
		Lithology: Rhyolite fragments, pale grey to pale green fragments in a matrix of similar composition (4.3-7.3) Fragments are sub rounded and not well defined. It is interlayered with dark grey to medium-dark green ash tuff, slightly foliated and with minor lapilli in places ≈ 5%, <1cm in diameter. ≈ 40% Tuff beds	
		Structure: Foliation in tuff at 5.8m 55° to c.a. Fractured 10/m	
		Alteration: Weak sericite, pervasive limonite along fractures 1mm to 2cm on each side	
		Mineralization: Absent	
7.3	14.5	GREEN-BLACK RHYOLITE FLOW (3.2)	
		Lithology: Medium green to medium grey, massive, minor autobrecciation, with 50cm of massive, tuffaceous rhyolite - medium-dark green. (7.3-11.2)	
		Structure: Fractured 10/m	
		Alteration: Weak sericite of the tuffaceous rhyolite. Mineralization: Absent.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-107 PAGE 3 OF 13
14.5	17.0	BLACK CHERT - CHERT BRECCIA (3.3)	
17.0	19.0	GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA, CRACKLE-BRECCIA (3.4, B&C)	
19.0	27.5	TUFFACEOUS RHYOLITE (3.9)	
		11.2 - 23.9	
		Lithology: Medium grey to medium green, mixed interval of rhyolitic ash tuffs and tuffaceous rhyolite in equal proportions	
		The tuffaceous rhyolite is mottled, the fragments are undefined and "wrapped" in an ash tuff of the same composition	
		The tuff is ash size with up to 10% lapilli <1cm in diameter, weakly foliated	
		14.0 - 14.5m Heterolithic lapilli tuff: 20% lapillis of different composition: beige, green and black in a medium grey rhyolitic ash	
		16.2 - 16.6 Rhyolite flow includes large black angular fragments from 1mm to 5cm in diameter	
		16.9 - 18.3 Tuff	
		Structure: Foliation 14.4m 65° to c.a Fractured = 6/m	
		17.5m 60° to c.a	
		Alteration: Weak sericite Weak pervasive calcite in places	
		16.9 - 18.3 Strong sericite	
		Mineralization: Absent	
		23.9 - 24.1	
		Lithology: Medium greenish grey, weakly mottled, massive to weakly auto brecciated	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-107 PAGE 4 OF 13
		Structure: Slickenside: 23.4 m 35° to c.a.	
		Alteration: Very weak sericite	
		Mineralization: Absent.	
		Lithology: Dark green to black, mottled, soft, weak foliation (24.1 – 27.0)	
		Structure: Weak foliation 26.0 m 40° to c.a.	
		Alteration: Moderate to strong sericite Weak to moderate pervasive calcite	
		Mineralization: One irregular pyrite lamination with calcite 3 cm wide	
27.0	37.4	DIORITE DYKE (6.1)	
		Lithology: Medium grey, massive, fine grained to aphanitic with plagioclase altered to calcite. Brecciated within one meter of the upper contact and 50 cm of the lower contact. Fragments of dyke are rounded and rotated in a matrix of the same composition ≈ 50% fragments from ≈ 10% of the dyke	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-107 PAGE 5 OF 13
		Structure: Fractured ≈5/m 34.5m slickenside 15° to c.a Brecciated contacts.
		Alteration: Moderate pervasive calcite, strong calcite of the breccia matrix. Calcite veinlets ≤3mm wide generally ≈1mm wide in various orientations ≈1%.
		Mineralization: Absent.
37.4	46.5	TUFFACEOUS RHYOLITE (3.9) +/- GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
		Lithology: Medium to dark grey, mottled to foliated, very hard. Tuffaceous rhyolite is mottled with ≈30-60% tuffs component grades into foliated rhyolitic ash tuffs. Minor autobrecciated rhyolite flows ≤30cm thick.
		Structure: Foliation: 39.0m 50° to c.a. 42.2m 40° to c.a. Crackle brecciated: 43.9m to 46.5m
		Alteration: Quartz and calcite veinlets generally ≤1mm but up to 2cm wide. 37.4 - 43.9 <1%. 43.9 - 46.5 ≈5%.
		Mineralization: Absent.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-107 PAGE 6 OF 13
46.5	63.1	DIORITE DYKE (6.1)
		Lithology: Medium grey, massive, fine grained to aphanitic. Brecciated in places with sub-angular to sub-rounded dyke fragments from 1mm to 8cm in diameter, rotated in a matrix of the same composition ≈ 50% fragments and 50% matrix. Forms approximately 20% of total.
		52.2 - 54.2 RHYOLITE BRECCIA ? - Metamorphosed - Medium to dark grey, very silicious with short irregular intervals of aphanitic dyke and crackled with calcite veinlets. 56.1 - 57.0
		Structure: Irregular, brecciated contacts
		Alteration: Moderate, pervasive calcite alteration. Calcite veinlets <3mm wide ≈ 0.5%
		Mineralization: Absent
63.1	85.9	TUFFACEOUS RHYOLITE (3.9) +/- GREEN-BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4)
		Lithology: 63.1 - 68.0 Mixed zone of massive rhyolite and massive tuff brecciated with aphanitic phase of the diorite dyke also brecciated in 10-20% silicious matrix
		Structure: Brecciated Fractured ≈ 10/m

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-107 PAGE 7 OF 13
		Alteration: Moderate silicification	
		Mineralization: Absent	
		Lithology: 68.00 - 81.3 Medium to dark green to black, siliceous to medium hard rhyolitic debris flow contains fragments of rhyolite ≈1mm - 1cm in diameter ≈30% in a tuffaceous matrix with a swirl-foliation texture and minor autobrecciated rhyolite flows <30 cm thick	
		70.2 - 70.3 Heterolithic breccia - pale grey - med green and black fragments 20% matrix supported in a dark brownish grey, soft matrix	
		Structure: Fault zone: 68.0 - 68.7 Slickenside sub parallel to c.a. with 1cm thick gouge	
		69.0 Slickenside sub parallel to c.a	
		70.0 0°-20°-35° to c.a	
		72.8 15°-40°-60° to c.a + sub parallel to c.a 72.8 - 73.4	
		74.7 Slickenside 15° to c.a	
		74.7 - 77.4 Slickenside sub parallel to c.a	
		78.4 - 78.9 " " " "	
		79.8 - 80.4 " 20°-25°-50° to c.a	
		Alteration: Weak pervasive sericite. Calcite veinlets <1mm throughout <0.5%	
		Calcite veinlets in faults <1cm thick	
		Mineralization: Absent	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-107 PAGE 5 OF 13
81.3	81.6	DIORITE DYKE	
		In 46.5 to 63.1 m Massive, aphanitic	
		Lithology: 81.6-85.9 Dark green to black, moderately foliated	
		Structure: Foliation 82.0 30° to c.a	
		85.0 sub-parallel to c.a.	
		85.4-85.9 0-30° to c.a. - faulted contact	
		Alteration: Weak pervasive sericite. Calcite veinlets <1 mm ≈ 0.5%	
		Quartz-carbonate vein in faults - 85.1 2 cm wide, 85.4-85.9 irregular <3 cm wide sub parallel to c.a	
		Mineralization Absent	
85.9	91.0	RHYOLITE FLOW (AUTOBRECCIATED) (3.8)	
		85.9-96.6	
		Lithology: Light to medium grey, massive, crackled.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-107 PAGE 9 OF 13
		Structure: Slickensides 88.9 m 25° To c.a	
		91.7 m 25° To c.a	
		92.2 m 0° To c.a	
		94.2 - 95.6 several slickensides 0° & 50° To c.a	
		Alteration —	
		Mineralization: Trace disseminated pyrite on fractures.	
91.0	107.9	CHERTY RHYOLITE FLOW - PYRITE (3.7 Py)	
		Lithology: Dark grey to black, massive 96.6 - 97.2 Foliated 97.2-99.8 (96.6-99.8)	
		rhyolite flows - massive <30 cm thick	
		Structure: Strong foliation: 98.2 slickensides 0-25° To c.a	
		93.2 - 99.8 Numerous slickensides, strong foliation 99.7m 50° To c.a	
		Alteration: Moderate to strong sericit.	
		Mineralization: Trace disseminated pyrite along foliation	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-107 PAGE 10 OF 13
		99.8-107.9	
		Lithology: Medium to dark grey, massive, trace of autobreciation <10%, crackled	
		Structure: Slickensides 100.5 m 30° to c.a	
		105.8 30+50° to c.a	
		Alteration: quartz in tension gashes 104.1-104.6	
		Irregular veinlets (quartz) <1 mm <1%	
		Mineralization: Trace pyrite in fractures	
107.9	125.0	RHYODACITIC FRAGMENTAL (3.0)	
		107.9-123.9	
		Lithology: Medium grey, medium green to dark green and black. Mottled to foliated and "swirly" foliated around irregular fragments. Tuff contains up to 30% lapillis from 2 mm to 1 cm in diameter in ash tuff of the same composition.	
		The two units grade into each other. Minor massive rhyolite <25 cm thick	
		Mainly lapilli tuff 112-123.9 ≈ 30% lapilli	
		Structure: Foliation: 108.9 m 55° to c.a	Slickensides 114.4 m 0-20° to c.a
		112.2 m 50° to c.a minor gouge	123.3 m 10-20° to c.a
		115.9 m 55° to c.a	Faulted contact 123.9 m 45° to c.a 2 cm gouge
		118.6 m 50° to c.a	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-107 PAGE 11 OF 13
		Alteration: Pervasive carbonate? alteration of the matrix. Can be scratched but does not react to HCl. - Strong	
		Moderate sericite of both the matrix and lic fragments.	
		Mineralization: Absent	
		123.9 - 125	
		Lithology: Massive, medium greyish greenish; not cherty	
		Structure: Faulted contacts	upper contact: 45° to c a 2 cm gouge lower contact: 55° to c a 2 cm gouge
		Alteration: Moderate sericite	
		Mineralization: absent	
125.0	161.0	BLACK TUFFACEOUS MUDSTONE (2.8) - 157.3 AND 159.4 - THIN BEDS OF HEMATITIC POLYMICTIC VOLCANIC WACKE (2.4)	
		125.0 - 157.3	
		Lithology: Black, moderately graphitic with small silty beds < 3 cm thick ≈ 5% of total, and <1% pyritic laminations 3 mm wide, rare sandy bed ≤ 10 cm thick <1%, minor tuffaceous beds 133.2 m 15 cm thick and several narrow irregular beds <5 cm between 142.0 - 145.0 m. Some beds are calcareous <5%	
		145.6 - 146.4 - Fine grained massive greywacke bed	
		147.8 - 148.9 - Tuff bed, silt size - pale brownish grey, slightly foliated	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-107 PAGE 12 OF 13
		Structure: Bedding 126.1m 60° to c.a.	Faults: 128.8-129.0 slickensides 50° to c.a. minor gouge
		131.4m 40° to c.a.	137.0-137.2 60° minor gouge
		134.5-136.0 parallel to c.a.	136.2-138.1 numerous slickensides, broken, numerous orientations
		139.4- 75° to c.a.	
		143. 65° to c.a.	141.3 2 cm gouge
		153.4 30° to c.a.	147.0-147.2 several slickensides of different orientations
		155.15-155.55 parallel to c.a.	
		148.9 - ? broken	
		Pyrite laminations and tuffaceous beds generally deformed	
		Alteration: — Minor quartz-calcite veinlets < 5mm, < 1%.	
		Mineralization: Syngenetic pyrite laminations ≈ 1%	
161.0	162.0	HEMATITIC POLYMICTIC VOLCANIC WACKE (2.4)	
162.0	167.5	CHLORITIC VOLCANIC WACKE (2.0)	
167.5	170.4	HEMATITIC POLYMICTIC VOLCANIC WACKE (2.4)	
		Lithology: Interbedded massive black mudstone with minor tuffaceous component and fine red tuffs with minor muddy component, and volcaniclastic sandstone and conglomerates (157.3-170.4)	
		On previous interval {157.3-159.4m Massive mudstone bed with 20% of volcanic clasts < 2mm evenly distributed throughout. One 15 cm thick tuff bed - beige colour.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-107 PAGE 13 OF 13

159.4-161.7 Volcaniclastic conglomerate: beige, grey and green sub rounded fragments ≈ 40% in a pale green tuff matrix and 50cm bed with a muddy tuffaceous matrix medium greenish grey - Matrix supported - Hard but can be scratched

161.7-167.5 Tuffaceous mudstone to muddy tuff grade into each other, Massive
Black to greenish grey, mudstone to siltstone in size fraction Minor tuff beds
→ 2 beds 8 cm and 15 cm thick → pale green.

167.5-170.4 Volcaniclastic conglomerate and sandstone. Medium green to medium grey.
Clasts mostly 4mm up to 5cm in diameter, rounded to sub angular.
Most of the large fragments are rounded red tuff with lesser fragments of mudstone and rhyolite Total ≈ 10% of the unit
The main fraction is from 4mm to 5mm in a green tuff matrix
Matrix supported, One 15cm thick siltstone interbed

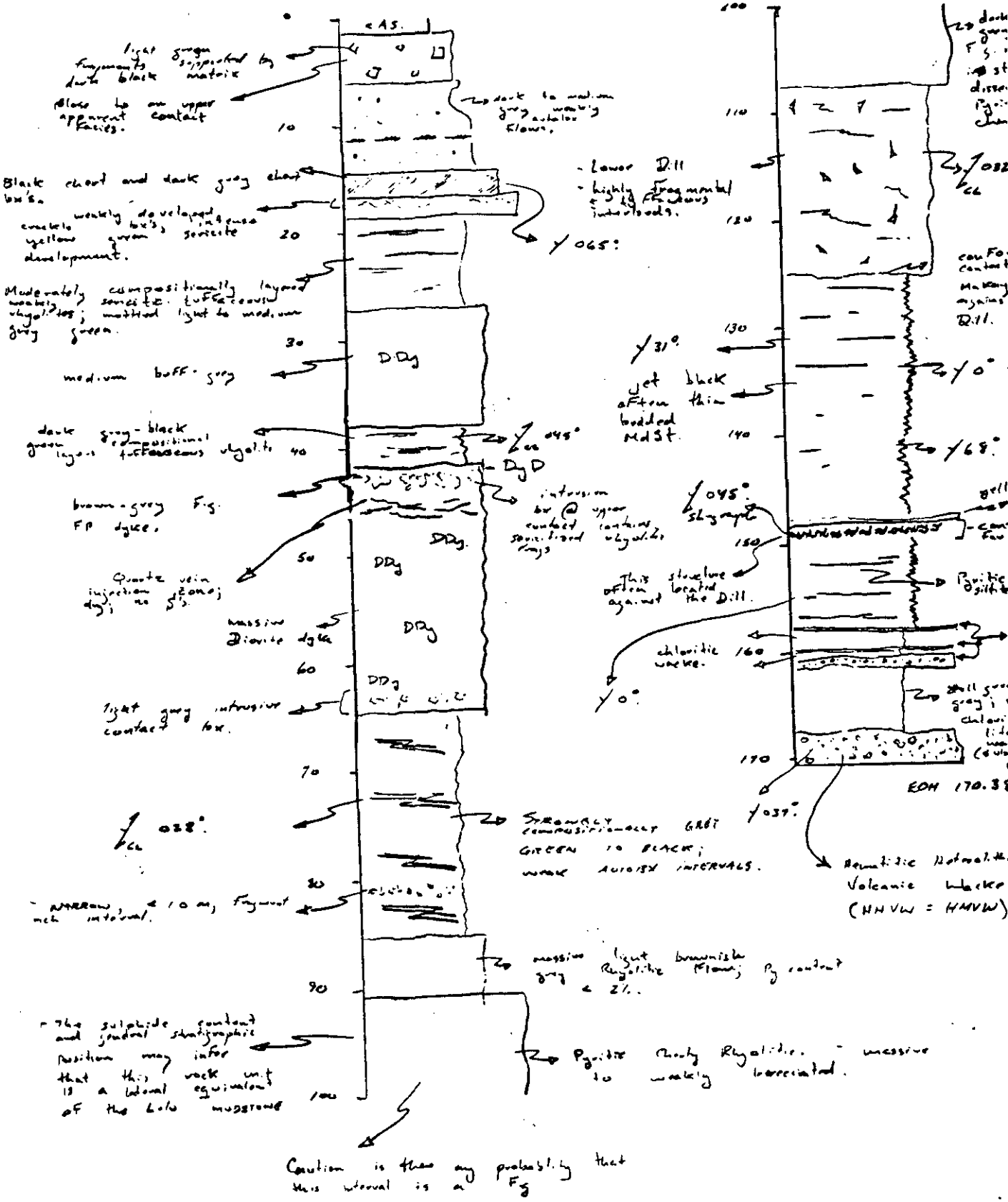
Structure: Bedding: 161.3m 25° Slickensides: 157.3m 50° to c.a.
165.7m 45° 160.0m 10°
168.8m 60° 161.2m 15 & 25°
162.1m 15°

Alteration: Moderate sericite of the tuffaceous component

Mineralization: Trace disseminated pyrite in places

170.4 End of hole

DDH 91-107


< A5.
light green fragments supported by dark black matrix
Alice to an upper apparent contact
dark to medium grey weakly autoclastic flows.
10
Black chert and dark grey chert beds.
weakly developed crackle beds in fine yellow green sericite development.
20
- Lower D.11
- highly fragmental & lg chert beds interbeds.
/065°
Moderately compositionally layered weakly sericitic tuffaceous rhyolites; mottled light to medium grey green.
30
D.Dg
medium buff-grey
dark grey-black green layers tuffaceous rhyolite
40
/045°
DgD
brown-grey F.g. FP dyke.
intrusion bx @ upper contact contains sericitized rhyolite rings
DDg.
50
DDg
Quartz vein injection dyke; no ph. zone.
massive Diorite dyke
DDg
60
DDg
light grey intrusive contact bx.
70
/038°
STRONGLY COMPOSITIONALLY GREY GREEN TO BLACK; WEAK AUROSX INTERVALS.
80
- NARROW, < 10 m, fragment rich interval.
massive light brownish grey Rhyolitic flows; Py content < 2%.
90
- The sulphide content and general stratigraphic position may infer that this rock unit is a lateral equivalent of the Lolo mudstone
Pyritic Rhyolitic. - massive to weakly brecciated.
100
Caution is there any probability that this interval is a Fg
100
110
120
130
/31°
jet black often thin bedded Mdst.
140
/045°
slickenslide
150
This slickenslide often against located the D.11.
Pyritic siltst
chloritic wacke.
160
/0°
170
/039°
EOH 170.3
Hematitic Hotwater Volcanic Wacke (HHVW = HMVW)
/0°
/68°
/032
/cc

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-107	12969	1.50	3.00	1.50	-	-	2	-	-	0.7	44	1	56	-	13	34	80	12480	19410
91-107	12970	3.00	5.00	2.00	-	-	1	-	-	0.6	27	1	100	-	9	31	119	15580	22340
91-107	12971	5.00	7.00	2.00	-	-	1	-	-	0.6	60	1	178	-	9	32	140	15070	7690
91-107	12972	7.00	9.00	2.00	-	-	2	-	-	0.5	18	1	122	-	5	33	134	14830	7570
91-107	12973	9.00	11.00	2.00	-	-	1	-	-	0.5	24	1	88	-	7	29	114	15880	6560
91-107	12974	11.00	13.00	2.00	-	-	1	-	-	0.8	19	1	80	-	4	19	95	8710	14560
91-107	12975	13.00	15.00	2.00	-	-	1	-	-	0.8	23	1	94	-	4	24	107	7550	12360
91-107	12976	15.00	17.00	2.00	-	-	2	-	-	0.9	22	1	45	-	4	22	70	7610	39790
91-107	12977	17.00	19.00	2.00	-	-	1	-	-	0.8	21	1	87	-	5	32	120	11390	14610
91-107	12978	19.00	21.00	2.00	-	-	1	-	-	0.6	15	1	118	-	4	26	93	8470	8550
91-107	12979	21.00	23.00	2.00	-	-	2	-	-	0.5	13	1	83	-	5	23	103	11480	9390
91-107	12980	23.00	25.00	2.00	-	-	1	-	-	0.7	17	1	63	-	6	28	75	10480	22280
91-107	12981	25.00	27.00	2.00	-	-	1	-	-	0.8	20	1	78	-	10	21	102	23450	49910
91-107	12982	27.00	29.00	2.00	-	-	3	-	-	0.8	54	4	90	-	35	18	80	26960	78630
91-107	12983	29.00	31.00	2.00	-	-	1	-	-	0.6	52	3	62	-	41	13	92	35400	63060
91-107	12984	31.00	33.00	2.00	-	-	2	-	-	0.5	50	3	42	-	45	14	109	32150	58710
91-107	12985	33.00	35.00	2.00	-	-	1	-	-	0.6	53	2	27	-	43	12	86	26710	54330
91-107	12986	35.00	37.00	2.00	-	-	1	-	-	0.9	56	5	46	-	38	20	76	35070	90500
91-107	12987	37.00	39.00	2.00	-	-	2	-	-	0.8	22	1	67	-	9	23	82	13120	43950
91-107	12988	39.00	41.00	2.00	-	-	2	-	-	0.5	23	1	95	-	6	33	112	18830	9450
91-107	12989	41.00	43.00	2.00	-	-	1	-	-	0.5	20	1	112	-	6	57	87	18470	20900
91-107	12990	43.00	45.00	2.00	-	-	1	-	-	1.1	26	1	62	-	5	22	34	8820	52660
91-107	12991	45.00	47.00	2.00	-	-	2	-	-	0.8	29	1	44	-	13	13	53	9630	22410
91-107	12992	47.00	49.00	2.00	-	-	1	-	-	0.3	40	2	86	-	44	15	103	32900	53920
91-107	12993	49.00	51.00	2.00	-	-	1	-	-	0.1	40	1	50	-	42	18	89	60780	51440
91-107	12994	51.00	53.00	2.00	-	-	3	-	-	0.2	35	1	70	-	32	13	76	18370	22150
91-107	12995	53.00	55.00	2.00	-	-	1	-	-	0.4	27	1	38	-	18	12	54	16160	16630
91-107	12996	55.00	57.00	2.00	-	-	1	-	-	0.4	24	1	47	-	25	17	53	22300	42400
91-107	12997	57.00	59.00	2.00	-	-	1	-	-	0.2	40	1	25	-	34	10	63	19710	23450
91-107	12998	59.00	61.00	2.00	-	-	1	-	-	0.1	43	7	35	-	42	14	83	35460	45470
91-107	12999	61.00	63.00	2.00	-	-	2	-	-	0.6	114	8	78	-	43	29	87	31920	21840
91-107	13000	63.00	65.00	2.00	-	-	1	-	-	0.5	58	4	35	-	23	18	64	24720	20530
91-107	13001	65.00	67.00	2.00	-	-	2	-	-	0.7	55	3	32	-	13	25	567	16580	21960
91-107	13002	67.00	69.00	2.00	-	-	2	-	-	0.6	36	6	62	-	15	28	91	19680	17810
91-107	13003	69.00	71.00	2.00	-	-	1	-	-	0.4	20	1	46	-	5	29	107	20620	10680
91-107	13004	71.00	73.00	2.00	-	-	1	-	-	0.7	20	1	62	-	4	21	98	13190	15320
91-107	13005	73.00	75.00	2.00	-	-	3	-	-	0.3	11	1	51	-	4	21	121	13940	5410
91-107	13006	75.00	77.00	2.00	-	-	2	-	-	0.6	14	1	39	-	7	36	97	12800	11960
91-107	13007	77.00	79.00	2.00	-	-	2	-	-	0.6	16	1	73	-	6	33	114	15210	13490
91-107	13008	79.00	81.00	2.00	-	-	1	-	-	0.5	17	1	70	-	5	29	131	17460	6430
91-107	13009	81.00	83.00	2.00	-	-	2	-	-	0.4	23	1	64	-	13	33	129	18240	10670
91-107	13010	83.00	85.00	2.00	-	-	5	-	-	0.6	18	1	53	-	5	40	134	17820	4190
91-107	13011	85.00	87.00	2.00	-	-	2	-	-	0.9	17	1	78	-	5	34	132	16360	14740
91-107	13012	87.00	89.00	2.00	-	-	3	-	-	0.6	16	1	27	-	5	18	112	8090	4480
91-107	13013	89.00	91.00	2.00	-	-	2	-	-	0.5	19	1	17	-	5	17	81	11210	3490
91-107	13014	91.00	93.00	2.00	-	-	1	-	-	0.5	26	1	15	-	6	31	53	14490	3390
91-107	13015	93.00	95.00	2.00	-	-	2	-	-	0.6	19	1	37	-	5	30	86	12410	9880
91-107	13016	95.00	97.00	2.00	-	-	2	-	-	0.6	26	1	31	-	8	29	97	15830	10590
91-107	13017	97.00	99.00	2.00	-	-	5	-	-	0.5	16	1	54	-	6	43	155	24950	17420
91-107	13018	99.00	101.00	2.00	-	-	2	-	-	0.5	19	1	45	-	7	25	134	17300	13290
91-107	13019	101.00	103.00	2.00	-	-	1	-	-	0.6	17	1	19	-	4	13	18	9120	13320

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-107	13020	103.00	105.00	2.00	-	-	2	-	-	0.4	19	1	19	-	6	26	60	12660	6670
91-107	13021	105.00	107.00	2.00	-	-	72	-	-	0.8	23	1	16	-	17	101	151	10810	8120
91-107	13022	107.00	109.00	2.00	-	-	3	-	-	0.8	27	1	59	-	5	31	109	13530	6620
91-107	13023	109.00	111.00	2.00	-	-	2	-	-	0.8	18	1	77	-	5	28	114	18000	15800
91-107	13024	111.00	113.00	2.00	-	-	3	-	-	0.6	12	1	112	-	5	37	161	19300	4810
91-107	13025	113.00	115.00	2.00	-	-	1	-	-	0.7	12	1	76	-	6	30	127	19990	8190
91-107	13026	115.00	117.00	2.00	-	-	2	-	-	0.6	11	1	90	-	5	28	111	19960	6110
91-107	13027	117.00	119.00	2.00	-	-	2	-	-	0.5	11	1	107	-	6	27	118	21250	3870
91-107	13028	119.00	121.00	2.00	-	-	1	-	-	0.9	6	1	100	-	6	27	119	20630	15770
91-107	13029	121.00	123.00	2.00	-	-	7	-	-	0.4	18	1	130	-	5	29	97	15310	7850
91-107	13030	123.00	125.00	2.00	-	-	2	-	-	0.6	22	1	85	-	4	29	89	13510	14630
91-107	13031	125.00	127.00	2.00	-	-	4	-	-	0.8	55	2	66	710	29	30	201	23670	54030
91-107	13032	127.00	129.00	2.00	-	-	2	-	-	1.0	54	1	56	1190	40	38	372	27030	69810
91-107	13033	129.00	131.00	2.00	-	-	1	-	-	0.4	35	1	53	1470	47	28	359	27740	44620
91-107	13034	131.00	133.00	2.00	-	-	2	-	-	0.7	45	1	61	1185	43	33	361	27240	37550
91-107	13035	133.00	135.00	2.00	-	-	1	-	-	0.6	47	7	86	910	37	27	256	36180	58040
91-107	13036	135.00	137.00	2.00	-	-	1	-	-	0.9	40	17	84	955	37	23	213	34410	57520
91-107	13037	137.00	139.00	2.00	-	-	2	-	-	0.3	137	40	84	1200	57	31	440	31930	20720
91-107	13038	139.00	141.00	2.00	-	-	1	-	-	0.5	117	31	111	1120	44	31	417	29170	20570
91-107	13039	141.00	143.00	2.00	-	-	1	-	-	0.3	119	19	335	745	27	27	97	30910	17270
91-107	13040	143.00	145.00	2.00	-	-	3	-	-	0.1	75	15	311	730	32	31	183	31100	12500
91-107	13041	145.00	147.00	2.00	-	-	2	-	-	0.4	73	15	174	605	25	26	114	24550	15950
91-107	13042	147.00	149.00	2.00	-	-	4	-	-	0.1	135	8	92	475	45	20	58	41550	19500
91-107	13043	149.00	151.00	2.00	-	-	1	-	-	0.3	68	16	97	705	39	29	72	31660	17500
91-107	13044	151.00	153.00	2.00	-	-	1	-	-	0.1	73	12	102	635	34	30	104	34930	14940
91-107	13045	153.00	155.00	2.00	-	-	1	-	-	0.2	34	8	131	530	29	27	128	28320	14660
91-107	13046	155.00	157.00	2.00	-	-	3	-	-	0.4	35	13	120	500	27	31	239	24330	18260
91-107	13047	157.00	159.00	2.00	-	-	1	-	-	0.1	20	2	130	280	23	23	138	42310	15750
91-107	13048	159.00	161.00	2.00	-	-	2	-	-	0.1	1	1	784	110	28	20	127	58910	19600
91-107	13049	161.00	163.00	2.00	-	-	5	-	-	0.5	16	1	173	75	70	37	104	38560	15320
91-107	13050	163.00	165.00	2.00	-	-	4	-	-	0.4	9	1	155	90	9	27	81	34310	7540
91-107	13051	165.00	167.00	2.00	-	-	1	-	-	0.1	5	1	140	60	6	29	99	38450	5230
91-107	13052	167.00	170.38	3.38	-	-	2	-	-	0.2	6	1	150	45	10	22	65	36070	9590

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ105+106
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12927	1.8	14170	83	1	223	.4	1	11210	.1	13	57	40480	3790	11	8600	660	1	830	6	830	50	11	20	1	15	21.1	90	2	1	1	11	29	175
12928	1.8	14000	74	1	111	.4	1	11250	.1	12	62	39570	3860	10	7210	623	1	970	4	760	38	7	19	1	15	20.8	94	1	1	1	12	27	185
12929	1.9	14250	64	1	122	.6	1	9980	.1	12	35	36500	4090	11	7270	647	1	710	6	810	39	7	16	1	21	21.3	430	1	1	1	13	24	165
12930	3.3	9330	207	2	115	.3	1	19740	.1	13	76	47550	4010	3	8060	1692	1	700	5	870	44	8	31	1	14	16.4	141	1	1	1	14	90	205
12931	2.4	9940	70	1	212	.2	1	15960	.1	12	68	43890	3740	5	7090	1196	1	700	3	820	36	5	23	1	12	15.7	113	1	1	1	12	40	155
12932	6.4	7480	751	1	101	.1	1	20710	.1	12	51	48740	3640	2	8520	1934	1	790	1	960	51	10	28	1	13	14.6	76	1	1	1	16	381	185
12933	8.0	6910	1508	1	121	.3	1	15930	.1	12	51	42070	3780	1	4790	1207	1	780	2	790	62	18	24	1	12	13.5	203	1	1	1	11	850	205
12934	4.8	7160	324	1	119	.5	1	6520	.1	13	98	35770	3470	2	1900	262	1	810	4	830	74	9	17	1	10	11.9	210	1	1	1	11	193	145
12935	3.2	7060	71	1	131	.3	1	6210	.1	12	85	41170	3760	1	1240	243	1	510	1	940	84	5	17	1	11	12.1	225	1	1	1	14	74	115
12936	4.3	6600	88	1	142	.3	1	10520	.1	11	41	43460	3780	1	2730	1251	1	610	2	960	61	9	17	1	13	13.0	83	1	1	1	15	140	175
12937	8.0	5660	547	1	132	.1	1	4760	.1	12	51	44380	3250	1	500	107	1	750	1	850	155	15	15	1	11	9.5	225	1	1	1	16	305	210
12938	8.8	6940	416	1	165	.4	1	4050	.1	14	49	44330	3950	1	590	34	1	480	1	870	105	11	17	1	10	11.1	192	1	1	1	13	413	185
12939	16.9	7220	1556	1	149	.1	1	5420	.1	15	81	51740	4060	1	610	105	1	710	1	880	305	19	16	1	15	11.8	405	1	1	1	16	751	295
12940	7.1	8290	632	1	165	.4	1	4960	.1	13	63	39600	4540	1	710	67	1	490	1	840	50	8	17	1	15	13.1	255	1	1	1	14	300	195
12941	2.5	9340	376	1	127	.3	1	13460	.1	11	39	37080	3940	4	4920	1056	1	620	1	870	35	8	20	1	17	16.8	80	1	1	1	16	162	125
12942	1.5	15190	44	1	119	.2	1	19670	.1	12	44	42610	3630	13	10750	1421	1	990	2	920	33	7	28	1	20	26.2	75	1	1	1	16	58	145
12943	.8	15490	33	1	116	.3	1	15820	.1	13	53	36930	3890	12	8620	953	1	790	4	830	28	8	26	1	19	29.3	82	2	1	1	16	22	170
12944	1.2	11130	39	1	141	.2	1	37930	.1	9	23	35310	2710	8	12680	2077	1	570	1	790	33	2	35	1	17	23.0	25	3	1	1	17	20	120
12945	1.4	12690	48	1	77	.2	1	14720	.1	11	35	31690	2670	12	8380	703	1	660	3	800	38	3	22	1	16	23.3	43	2	1	1	17	23	115
12946	.9	19090	48	5	118	.2	1	18500	.1	12	43	41830	2790	19	13380	855	1	350	2	880	30	5	29	1	26	36.7	77	3	1	2	38	19	155
12947	.5	17920	40	4	108	.4	2	20940	.1	13	53	45890	2920	18	14720	829	1	540	4	980	36	7	34	1	24	33.3	82	2	1	2	29	15	275
12948	.3	19590	29	4	186	.3	1	25990	.1	12	39	41120	3850	17	19490	1016	1	470	2	970	28	4	30	1	32	36.6	86	2	1	2	38	2	200
12949	.5	19740	30	4	163	.3	1	22140	.1	14	47	42450	3360	19	18020	926	1	380	1	930	29	4	29	1	28	40.7	78	2	1	2	41	1	160
12950	.5	23370	31	4	130	.4	1	19730	.1	13	53	42340	4220	22	17030	777	1	430	6	1070	31	3	28	1	30	42.2	96	4	1	2	32	1	185
12951	.8	24930	31	5	134	.5	1	12240	.1	14	61	43650	4850	22	13860	550	1	550	5	1030	39	4	20	1	31	45.4	101	2	1	2	28	2	160
12952	.8	26690	25	5	234	.6	1	15340	.1	14	58	44240	4630	26	15730	671	1	530	5	1020	41	4	26	1	31	46.7	90	3	1	2	32	10	165
12953	.8	25610	21	5	174	.7	1	12300	.1	12	52	40470	5070	23	14050	523	1	650	5	890	31	4	23	1	29	40.9	85	3	1	2	32	2	210
12954	.5	25380	21	5	234	.6	1	17060	.1	14	49	43040	4960	22	15700	836	2	640	5	900	30	1	27	1	32	43.9	88	3	1	2	22	8	135
12955	.8	24120	22	4	253	.7	1	17240	.1	12	43	40310	4440	21	15430	781	4	460	1	690	30	1	28	1	33	33.7	80	3	1	3	59	82	100
12956	.3	24530	13	4	324	.9	1	18970	.1	9	17	36260	5310	20	16120	588	1	570	1	860	23	1	36	1	35	28.0	69	3	1	3	49	2	45
12957	.1	31060	10	5	310	.5	2	12750	.1	14	15	47590	4260	31	17150	383	1	410	1	820	19	1	30	1	45	45.9	89	3	1	3	59	1	65
12958	.1	27280	11	4	274	.5	1	14640	.1	9	10	39480	4480	29	15970	366	1	530	1	660	20	1	30	1	37	30.9	70	3	1	2	39	1	55
12959	.3	21840	17	5	153	.9	1	23290	.1	9	26	35700	5350	19	18450	520	16	1530	17	750	28	1	33	1	33	42.7	147	2	1	3	66	1	205
12960	.9	12640	27	5	150	.5	1	46600	1.2	11	56	33870	6150	1	25410	887	42	1090	69	770	28	2	37	1	33	86.8	380	2	1	4	82	2	900
12961	.8	7890	26	3	115	.8	1	45250	.5	7	46	29690	3770	1	23410	659	37	1010	50	750	27	1	39	1	18	45.0	316	2	1	2	23	1	925
12962	.8	16200	27	2	124	2.4	1	38860	.1	8	21	25320	4670	14	22160	468	11	1380	15	340	29	1	45	1	22	25.5	148	4	1	3	68	1	265
12963	1.0	12090	38	10	97	2.5	2	21270	.1	2	6	7190	4120	9	8850	110	4	1210	1	70	51	1	41	1	28	2.5	93	6	1	4	68	1	
12964	1.1	6020	23	5	73	1.1	1	23980	.1	1	4	4650	2520	2	4850	119	5	780	3	60	28	1	42	1	17	2.4	178	5	1	6	143	1	
12965	1.0	7510	19	4	95	1.3	1	38760	.1	1	5	3630	3200	2	5890	135	3	750	2	60	23	1	52	1	21	2.4	23	5	1	5	114	1	
12966	1.1	22700	33	7	171	3.7	2	17390	.1	2	6	8670	8200	16	12640	70	5	780	3	80	32	3	43	3	50	3.0	107	9	2	6	135	1	
12967	.8	32470	23	6	150	3.8	2	4360	.1	2	5	13220	6330	49	31670	32	2	1300	1	40	36	4	14	1	39	3.2	102	7	1	4	87	1	
12968	1.0	35560	32	7	235	5.2	2	6880	.1	2	7	12600	9470	45	27210	40	3	920	1	80	41	5	21	2	48	3.2	130	9	2	5	93	1	
12969	.7	6090	44	6	56	1.3	1	19410	.1	3	13	12480	2340	6	1870	259	9	230	8	50	34	1	24	1	51	3.4	80	3	1	5	115	2	
12970	.6	9600	27	5	100	2.2	1	22340	.1	3	9	15580	3880	8	2420	332	5	310	3	20	31	1	28	2	67	2.1	119	4	2	7	143	1	
12971	.6	12830	60	4	178	3.2	1	7690	.1	2	9	15070	5000	9	3020	200	4	210	1	20	32	1	7	3	81	1.5	140	6	1	3	58	1	
12972	.5	12210	18	3	122	2.9	1	7570	.1	2	5	14830	5030	8	2710	196	3	290	1	20	33	1	8	4	89	1.2	134	6	1	6	116	2	
12973	.5	7350	24	3	88	2.0	1	6560	.1	2	7	15880	3340	5	1850	167	5	310	1	30	29	1	6	1	54	1.4	114	4	1	8	191	1	
12974	.8	6010	19	3	80	1.8	1	14560	.1	2	4	8710	4010	1	840	202	12	90	2	10	19	1	20	1	31	1.6	95	3	1	6	125	1	
12975	.8	5940	23	2	94	1.6	1	12360	.1	2	4	7550	4170	1	460	148	16	120	3	20	24	1	22	1	36	1.6	107	3	1	6	135	1	
12976	.9	3730	22	1	45	.8	1	39790	.1	2	4	7610	2420	1	470	339	7	310	3	30	22	1	38	1	43	2.0	70	3	1	7	165	2	
12977	.8	7700	21	2	87	3.1	1	14610	.1	2	5	11390	4550	3	2200	165	2	160	1	20	32	1	18	3	66	1.3	120	4	1	4	88	1	
12978	.6	6830	15	2	118	2.1	1	8550	.1	1	4	8470	3770	3	1900	102	3	180	2	20	26	1	13	1	54	1.2	93	4	1	7	148	1	
12979	.5	7310	13	1	83	2.3	1	9390	.1	1	5	11480	3520	5	2510	116	2	160	1	20	23	1	12	1	60	1.2	103	4	1	5	95	2	
12980	.7	7240	17	1	63	1.9	1	22280	.1	2	6	10480	3090	6	2840	213	4	200	3	30	28	1	29	1	52	2.8	75	4	1	8	183	1	
12981	.8	14480	20	3	78	3.4	1	49910	.1	3	10	23450	5380	13	6610	373	3	100	1	30	21	1	40	1	71	6.1	102	7	1	3	55	1	
12982	.8	11820	54	3	90	1.0	1	78630	.1	27	35	26960	3670	13	7700	989	2	270	41	910	18	4	75	1	111	103.6	80	7	1	9	164	3	

91-107

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ107+108
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
12983	.6	12650	52	4	62	.6	1	63060	.1	35	41	35400	3470	14	11880	937	1	320	50	1170	13	3	61	1	66	146.3	92	7	1	9	156	1	
12984	.5	14180	50	2	42	.2	1	58710	.1	37	45	32150	2300	20	11960	793	2	470	58	1210	14	3	69	1	144	209.4	109	7	1	13	239	2	
12985	.6	11920	53	1	27	.2	1	54330	.1	35	43	26710	1820	15	9210	607	1	510	54	1150	12	2	77	1	108	206.7	86	7	1	12	227	1	
12986	.9	14810	56	3	46	.6	2	90500	.1	32	38	35070	3470	18	10870	1219	1	270	49	1020	20	5	78	1	90	145.0	76	9	1	9	158	1	
12987	.8	9860	22	2	67	2.0	1	43950	.1	6	9	13120	4340	7	5810	392	7	220	7	170	23	1	47	1	56	22.7	82	6	1	6	130	2	
12988	.5	19640	23	4	95	3.7	1	9450	.1	3	6	18830	7990	16	9110	208	4	180	1	50	33	1	15	2	80	4.0	112	9	1	8	174	2	
12989	.5	18400	20	3	112	2.8	1	20900	.1	2	6	18470	6740	18	9030	303	9	230	1	50	57	1	29	1	106	8.4	87	7	1	7	151	1	
12990	1.1	8050	26	3	62	.9	1	52660	.1	3	5	8820	3710	4	2460	334	10	1000	5	50	22	1	38	1	55	13.5	34	5	1	11	259	1	
12991	.8	6010	29	1	44	.5	1	22410	.1	10	13	9630	2780	3	1470	227	12	420	17	290	13	1	38	1	63	35.6	53	3	1	10	219	2	
12992	.3	15920	40	4	86	.9	1	53920	.1	40	44	32900	5340	14	6450	711	2	430	56	1270	15	2	43	1	102	172.3	103	7	1	10	190	1	
12993	.1	26920	40	5	50	.3	1	51440	.1	38	42	60780	3750	34	19280	1358	1	350	43	1180	18	1	37	1	157	240.3	89	6	1	11	188	1	
12994	.2	10610	35	3	70	.8	1	22150	.1	28	32	18370	4030	8	3350	305	4	460	45	890	13	1	21	1	80	109.5	76	4	1	11	236	3	
12995	.4	6810	27	1	38	.5	1	16630	.1	12	18	16160	2080	6	3070	229	5	330	19	490	12	1	18	1	48	61.2	54	3	1	11	253	1	
12996	.4	6650	24	1	47	.5	1	42400	.1	17	25	22300	2390	6	5960	540	2	360	20	700	17	1	48	1	36	66.5	53	4	1	6	131	1	
12997	.2	7850	40	1	25	.3	1	23450	.1	26	34	19710	1930	8	4440	354	3	430	36	980	10	1	29	1	62	103.9	63	3	1	10	209	1	
12998	.1	13300	43	2	35	.6	1	45470	.1	31	42	35460	2080	15	8600	773	1	330	39	1230	14	7	54	1	59	147.9	83	5	1	9	174	1	
12999	.6	10230	114	17	78	1.2	4	21840	.1	36	43	31920	2370	22	8900	552	2	270	47	1110	29	8	34	1	53	114.0	87	5	2	7	122	2	
13000	.5	8370	58	11	35	.9	2	20530	.1	18	23	24720	1780	13	7170	454	3	290	28	570	18	4	37	1	52	87.6	64	4	1	8	142	1	
13001	.7	4150	55	9	32	1.1	2	21960	6.7	13	13	16580	2570	3	7940	486	5	200	17	340	25	3	44	1	28	17.9	567	4	1	6	123	2	
13002	.6	6340	36	8	62	1.9	2	17810	.1	9	15	19680	3760	4	8320	301	2	180	12	310	28	6	43	1	39	14.7	91	4	1	4	85	2	
13003	.4	12470	20	6	46	1.8	2	10680	.1	2	5	20620	3370	19	12140	238	1	90	1	40	29	1	29	1	56	2.9	107	6	1	3	59	1	
13004	.7	5700	20	4	62	1.9	1	15320	.1	2	4	13190	2790	6	8540	225	1	50	1	30	21	1	49	1	32	2.3	98	5	1	3	61	1	
13005	.3	6540	11	5	51	3.0	2	5410	.1	2	4	13940	3630	6	7010	133	2	60	1	30	21	1	17	1	32	1.5	121	4	1	2	42	3	
13006	.6	4450	14	4	39	1.7	3	11960	.1	2	7	12800	2530	3	7210	202	2	1070	1	40	36	1	29	1	28	1.9	97	5	1	5	114	2	
13007	.6	8050	16	6	73	2.5	3	13490	.1	2	6	15210	2940	10	10220	238	2	110	1	50	33	1	53	1	29	3.5	114	6	1	4	64	2	
13008	.5	12980	17	4	70	2.7	3	6430	.1	3	5	17460	3250	19	10870	180	1	80	1	40	29	1	15	1	43	2.4	131	7	1	3	52	1	
13009	.4	15590	23	6	64	3.4	4	10670	.1	9	13	18240	5040	21	12500	183	1	130	12	130	33	1	19	1	71	19.1	129	7	1	3	55	2	
13010	.6	11530	18	5	53	3.6	3	4190	.1	2	5	17820	4180	13	10990	156	1	60	1	30	40	1	11	3	63	2.1	134	7	1	3	42	5	
13011	.9	4630	17	4	78	1.7	2	14740	.1	2	5	16360	2520	3	7820	386	4	100	1	30	34	1	33	2	37	3.4	132	6	1	6	116	2	
13012	.6	1930	16	1	27	.7	1	4480	.1	2	5	8090	1210	1	1530	127	4	280	4	30	18	1	7	1	27	1.6	112	3	1	7	158	3	
13013	.5	2680	19	1	17	.5	1	3490	.1	2	5	11210	570	3	1880	147	5	450	3	40	17	1	5	1	29	5.2	81	4	1	8	190	2	
13014	.5	2200	26	2	15	.4	2	3390	.1	4	6	14490	570	2	1300	91	5	2010	5	40	31	1	6	1	40	8.2	53	3	1	9	202	1	
13015	.6	4720	19	2	37	1.2	1	9880	.1	3	5	12410	1590	4	3830	165	5	350	3	50	30	1	22	1	39	6.8	86	5	1	6	146	2	
13016	.6	8450	26	2	31	1.5	1	10590	.1	5	8	15830	1770	11	6720	178	3	380	6	80	29	1	26	1	44	16.6	97	6	1	9	189	2	
13017	.5	16450	16	5	54	2.9	7	17420	.1	3	6	24950	3170	26	15240	304	2	190	1	50	43	1	30	3	52	3.8	155	9	1	4	79	5	
13018	.5	8580	19	3	45	2.6	2	13290	.1	2	7	17300	2560	11	9380	219	2	190	1	60	25	1	24	1	33	2.7	134	7	1	5	104	2	
13019	.6	990	17	1	19	.2	2	13320	.1	2	4	9120	450	1	4800	169	4	340	3	30	13	1	23	1	14	2.0	18	4	1	6	144	1	
13020	.4	2580	19	1	19	.6	2	6670	.1	2	6	12660	1010	2	3620	95	3	400	3	50	26	1	10	1	24	2.3	60	3	1	7	161	2	
13021	.8	4550	23	1	16	.6	2	8120	.7	2	17	10810	550	7	6310	122	7	290	1	40	101	1	11	1	23	3.0	151	6	1	6	144	72	
13022	.8	7350	27	3	59	2.8	3	6620	.1	2	5	13530	1990	11	13310	84	3	140	1	40	31	1	17	1	18	2.4	109	7	1	5	102	3	
13023	.8	19450	18	4	77	3.6	2	15800	.1	2	5	18000	3760	34	22810	131	2	120	1	40	28	1	27	1	30	3.4	114	7	1	4	92	2	
13024	.6	29220	12	6	112	5.6	4	4810	.1	2	5	19300	6550	45	27590	77	1	1050	1	30	37	1	15	1	44	2.9	161	7	1	2	45	3	
13025	.7	25120	12	4	76	3.7	3	8190	.1	2	6	19990	4190	43	26980	86	2	180	1	50	30	1	18	1	41	3.5	127	7	2	3	75	1	
13026	.6	28030	11	5	90	3.7	2	6110	.1	2	5	19960	4980	46	30180	76	1	110	1	40	28	1	13	1	38	3.3	111	6	1	3	75	2	
13027	.5	32610	11	7	107	4.6	3	3870	.1	3	6	21250	6030	58	35950	77	1	80	1	40	27	1	15	1	37	3.3	118	3	2	3	66	2	
13028	.9	30570	6	6	100	4.7	3	15770	.1	2	6	20630	5000	60	36210	243	1	60	1	40	27	1	25	1	30	3.8	119	3	2	1	49	1	
13029	.4	29130	18	13	130	3.7	2	7850	.1	2	5	15310	6520	44	28670	92	2	90	1	40	29	1	15	3	38	4.5	97	5	3	3	56	7	
13030	.6	19500	22	8	85	2.3	2	14630	.1	2	4	13510	3620	31	21530	125	2	140	1	70	29	1	22	3	23	3.3	89	6	2	4	82	2	
13031	.8	13800	55	7	66	1.7	1	54030	.1	6	29	23670	3760	16	13540	935	19	830	27	610	30	2	36	1	29	37.3	201	5	1	3	30	4	710
13032	1.0	9270	54	7	56	.9	2	69810	3.4	7	40	27030	3290	8	12170	1389	34	710	49	660	38	1	41	1	21	58.2	372	5	1	2	22	2	1190
13033	.4	6780	35	6	53	.3	1	44620	3.2	7	47	27740	2720	6	12280	530	42	930	58	840	28	1	34	1	16	36.5	359	3	1	2	27	1	1470
13034	.7	6600	45	6	61	.3	1	37550	2.9	7	43	27240	2630	6	13090	574	41	1100	58	700	33	1	32	1	13	35.2	361	3	1	2	25	2	1185
13035	.6	5720	47	7	86	.3	1	58040	.1	12	37	36180	2850	1	23870	1070	21	900	33	1070	27	7	61	1	18	41.6	256	3	1	2	21	1	910
13036	.9	7150	40	6	84	.4	1	57520	.1	7	37	34410	3590	1	30300	1246	29	1270	34	930	23	17	76	1	22	47.8	213	1	1	1	26	1	955
13037	.3	9140	137	8	84	.9	1	20720	3.4	10	57	31930	4710	1	11000	732	61	1180	81	790	31	40	32	1	22	66.7	440	1	1	3	36	2	1200
13038	.5	9140	117	6	111	.8	1	20570	2.8	7	44	29170	4720	1	10550	620	35	1430	52	680	31	31	31	1	21	44.1	417	2	1	2	16	1	1120

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ109+110
DATE: 91/10/17
* ROCK * (ACT:F31)

91-10

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
13039	.3	8680	119	6	335	.8	1	17270	.1	7	27	30910	4540	1	11890	538	21	1050	20	580	27	19	32	1	24	17.9	97	3	1	3	51	1	745
13040	.1	8410	75	5	311	1.0	1	12500	.1	8	32	31100	4230	5	11890	391	21	1410	25	650	31	15	29	1	28	20.6	183	2	1	2	22	3	730
13041	.4	10680	73	4	174	1.7	1	15950	.1	7	25	24550	5800	1	8810	495	16	1110	17	740	26	15	26	1	36	18.3	114	3	1	3	50	2	605
13042	.1	8510	135	7	92	.7	1	19500	.1	27	45	41550	4970	1	14500	851	8	1130	30	600	20	8	38	1	21	32.3	58	1	1	3	63	4	475
13043	.3	6800	68	3	97	.5	1	17500	.1	8	39	31660	3960	1	10900	460	15	1280	13	490	29	16	41	1	23	14.3	72	2	1	3	42	1	705
13044	.1	8220	73	4	102	.6	1	14940	.1	12	34	34930	3830	6	11910	380	17	1610	20	440	30	12	26	1	22	22.2	104	1	1	3	57	1	635
13045	.2	8710	34	3	131	.8	1	14660	.1	8	29	28320	4920	1	8800	540	19	1310	18	930	27	8	19	1	31	16.9	128	2	1	2	43	1	530
13046	.4	6500	35	2	120	.8	1	18260	.8	7	27	24330	3700	1	8990	725	14	930	26	760	31	13	20	1	21	15.5	239	2	1	2	45	3	500
13047	.1	14890	20	3	130	.6	1	15750	.1	16	23	42310	3350	15	14310	615	3	770	4	1070	23	2	24	1	35	25.5	138	2	1	1	19	1	280
13048	.1	27380	1	3	784	.1	1	19600	.1	25	28	58910	2290	32	19820	814	1	320	1	1290	20	1	38	1	46	45.7	127	1	1	2	48	2	110
13049	.5	18180	16	7	173	.8	1	15320	.1	17	70	38560	3700	17	14060	686	1	60	2	690	37	1	30	1	33	28.8	104	3	2	2	24	5	75
13050	.4	16740	9	5	155	.6	1	7540	.1	9	9	34310	2890	14	10140	412	1	50	1	230	27	1	13	1	24	15.0	81	3	1	1	12	4	90
13051	.1	16110	5	4	140	.8	1	5230	.1	11	6	38450	3200	10	7800	369	1	60	1	280	29	1	9	1	28	17.6	99	2	2	1	9	1	60
13052	.2	16300	6	4	150	.5	1	9590	.1	9	10	36070	3750	8	5940	560	1	90	1	940	22	1	20	1	34	31.4	65	2	1	2	25	2	45
13053	.8	16970	34	3	197	.2	1	7590	.1	13	28	32360	1840	29	14480	547	3	160	75	770	27	1	33	1	120	36.1	86	4	1	6	139	2	
13054	1.2	18950	30	3	102	.3	1	10190	.1	12	46	38350	2360	17	11940	481	1	60	15	990	27	2	12	1	34	27.4	94	3	1	2	31	1	
13055	.7	21060	31	3	97	.3	1	36850	.1	11	53	41880	2540	17	13340	853	1	40	3	850	29	2	28	1	25	28.9	82	3	1	1	18	1	
13056	.4	20320	22	2	182	.6	1	16930	.1	11	47	38040	2640	16	11780	504	1	40	2	830	28	1	17	1	26	29.3	83	2	1	1	19	1	
13057	.2	26520	19	3	96	.5	1	15170	.1	14	23	53430	1990	18	14970	424	1	50	1	1430	15	1	16	1	42	36.9	97	4	1	2	27	1	
13058	.2	25910	24	2	69	.4	1	18610	.1	22	23	54240	1710	17	13900	473	1	70	1	1650	21	1	23	1	46	41.4	133	3	1	2	22	2	
13059	.2	22990	6	2	73	.5	1	10350	.1	14	16	50610	1850	14	11900	332	1	30	1	620	20	1	12	1	32	24.1	93	3	1	1	17	1	
13060	.8	14280	82	9	48	.7	3	19190	.1	10	13	30500	1650	11	7760	460	1	30	1	460	20	1	33	1	25	7.8	84	5	1	2	30	4	
13061	.2	22930	37	6	105	.5	3	5130	.1	12	13	43020	2750	15	11950	217	1	30	3	140	24	1	9	1	39	13.8	83	4	1	2	20	16	
13062	.1	29470	35	5	119	.6	2	3260	.1	16	24	50540	4120	20	15710	235	1	40	12	200	16	1	6	1	55	22.3	102	5	1	2	28	3	
13063	.1	28340	30	5	105	.6	2	6320	.1	13	13	50680	4030	18	14450	306	1	620	1	210	28	1	12	1	59	18.6	104	5	1	2	40	18	
13064	.1	32300	29	4	79	.4	1	12080	.1	15	26	62270	3200	25	19550	470	1	650	1	760	23	1	29	1	61	38.1	127	4	1	1	19	5	
13065	.1	27530	20	4	94	.5	1	5070	.1	13	19	60850	3880	21	16340	371	1	640	1	390	24	1	6	1	54	24.6	146	5	1	1	19	2	
13066	.1	20220	19	4	138	.6	1	6080	.1	15	17	58720	3660	17	16150	408	1	770	1	690	26	1	5	1	43	21.2	124	3	1	1	15	6	
13067	.4	9190	77	4	93	.6	1	13380	.1	24	18	52800	3700	8	13440	540	22	1250	1	2020	56	4	17	1	29	20.1	174	3	1	1	20	4	380
13068	.7	5550	64	2	147	.7	1	11900	.1	7	31	29020	3130	1	6370	352	18	700	16	520	33	13	13	1	20	12.8	113	3	1	2	41	1	560
13069	1.1	3630	37	1	79	.7	1	10520	.1	2	7	8120	1990	1	6190	156	5	710	5	50	34	1	13	1	15	3.4	69	5	1	7	159	3	
13070	.8	5020	48	1	178	1.2	1	770	.1	3	11	12220	2450	2	1990	99	7	630	2	60	37	3	5	1	14	2.9	109	4	1	5	100	2	
13071	.8	6270	50	1	120	1.5	1	340	.1	3	9	11610	2440	5	4800	61	7	70	4	70	27	1	3	1	9	2.8	98	5	1	7	149	9	
13072	1.1	10850	36	1	163	2.1	2	130	.1	1	5	6960	2950	11	7530	34	5	60	2	70	31	1	4	1	10	1.9	86	7	1	4	87	4	
13073	1.0	12260	44	1	136	1.6	2	150	.1	2	6	7440	2820	14	11300	19	7	90	4	50	29	1	4	1	14	2.6	92	8	1	8	163	1	
13074	1.0	16540	51	1	379	1.5	1	10	.1	2	8	9850	2300	28	20350	18	4	90	1	50	28	1	5	1	13	2.9	81	8	1	4	87	2	
13075	.7	11240	182	1	50	.7	2	10	.1	2	3	17550	540	23	18330	23	5	110	1	30	25	11	2	1	9	2.5	77	7	1	3	69	2	
13076	1.0	14230	94	1	78	1.4	2	10	.1	2	4	11880	1350	25	20710	24	4	90	1	30	30	3	3	1	7	2.7	102	8	1	4	66	1	
13077	1.1	15450	122	1	205	1.5	2	50	.1	2	11	12010	2960	23	17500	33	7	130	2	80	40	5	4	1	17	2.9	92	9	1	7	158	13	
13078	1.1	15400	68	1	65	1.2	3	10	.1	2	6	12450	950	28	23470	25	6	160	1	50	27	1	3	1	13	3.1	78	9	1	4	78	4	
13079	1.3	23480	41	1	188	2.9	2	10	.1	2	7	12220	3280	37	28810	20	9	170	1	70	36	2	5	2	24	3.4	137	8	1	7	155	2	
13080	1.2	24130	58	1	176	2.6	1	3350	.1	2	6	14100	2940	39	32230	51	5	910	1	70	37	3	11	1	26	4.0	117	7	1	3	69	1	
13081	1.2	29240	43	1	214	3.6	3	560	.1	2	10	14560	4050	47	37780	24	6	750	1	80	39	3	7	3	32	3.7	155	5	1	4	104	1	
13082	1.2	28020	22	1	199	2.9	3	920	.1	2	6	11940	3430	47	37410	23	2	760	1	40	32	2	7	1	29	3.5	118	6	1	2	46	2	
13083	1.2	26860	35	1	243	3.1	2	10	.1	2	7	11760	4900	38	30640	26	7	90	2	50	33	3	5	2	36	3.3	157	7	1	5	111	3	
13084	1.1	18370	33	1	182	2.4	2	730	.1	2	6	9160	4150	22	18300	20	6	70	1	60	31	1	5	2	37	2.4	122	8	1	4	69	2	
13085	1.2	14160	37	1	157	2.2	2	2250	.1	2	6	9000	4100	13	12320	47	10	820	4	50	36	1	8	3	57	2.4	121	8	1	8	163	1	
13086	1.3	11670	32	1	120	2.2	1	13870	.1	1	6	8810	3120	13	12330	142	5	60	1	50	27	1	31	2	37	2.5	100	7	1	3	60	3	
13087	1.3	10680	37	1	170	2.5	2	10410	.1	2	6	8740	3580	9	11150	165	7	40	4	70	27	1	19	1	35	2.8	131	7	1	7	149	7	
13088	1.7	7270	31	1	135	1.7	2	24020	.1	1	5	9020	2930	6	11390	646	4	50	1	50	29	1	68	1	31	2.9	87	7	1	4	73	16	
13089	1.3	11430	31	1	144	1.1	2	33080	.1	6	7	24770	3020	11	17180	892	4	50	1	210	22	1	88	1	24	11.3	93	5	1	4	93	29	
13090	.2	21020	49	9	97	.2	1	22620	.1	10	19	40230	2850	12	15010	1202	1	90	1	1940	19	1	22	1	37	42.8	74	3	1	2	27	5	
13091	.3	18340	19	6	133	.3	1	17590	.1	8	9	29830	3010	9	11890	934	1	160	1	1890	16	1	18	1	42	32.0	67	4	1	2	22	2	
13092	.5	19830	30	5	161	.4	1	22640	.1	10	9	35460	4210	9	14830	1531	1	120	1	1870	22	1	22	1	36	31.3	76	4	1	2	21	4	
13093	.5	21460	27	6	104	.5	1	21130	.1	15	15	41750	4410	9	25180	1406	1	70	1	1420	22	1	18	1	37	41.5	54	2	1	2	23	6	
13094	.3	11560	54	6	91	.4	1	9920	.1	8	7	29600	4560	5	13370	435	1	140	1	1340	14	1	11	1	32	22.4	56	4	1	2	33	3	

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-108
PAGE 1 OF 7

TESTS

Meterage	Dip	Azimuth
0	51.5°	299°
99.9	52°	303.5°

COLLAR SURVEY:
Northing: 8545.78
Easting: 9964.08
Elevation: 1015.99
Azimuth: 300
Dip: -51°
IP Grid Coordinates: 8540N 9950E

CORE BQTW
Section: 8540N
Date Started: Aug 28/91
Date Finnished: Aug 29/91
Date Logged: Aug 29/91

Total Depth: 89.9
Casing Depth 7.0
Casing Left In: YES
Logged By: M. ARCHAMBAULT
Comments:

SAMPLE NUMBERS
13053 To 13089
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	7.0	CASING
7.0	16.0	BLACK TUFFACEOUS MUDSTONE (2.8)
		11-12 QUARTZ AND LITHIC WACKE (2.6)
		Lithology: Black, massive, slightly graphitic
		Structure: Fissile, cleavage: 10.7m 80° to c.a ≈ 20 rusty fractures/m
		13.7m 80° to c.a
		Alteration: —
		Mineralization: Absent
16.0	23.4	CHLORITIC VOLCANIC WACKE (2.0)
		Lithology: Pale greenish green with 20% clasts between 1-2 mm and ≈2% clasts 2mm to 3cm long. Clasts are polymictic, black, grey, green and beige
		Massive with a weak foliation. Soft.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-108 PAGE 2 OF 2
		20.3 - 21.2 small muddy component in the matrix, gradually becomes greenish grey	
		Structure: Weak foliation created by the flat red fragments out perpendicular to c.a. 70°-90°	
		Cleavage parallel to the foliation 10 rusty fractures/m	
		Alteration: Moderate sericite alteration of the matrix	
		Mineralization: Trace disseminated pyrite	
23.4	35.8	HEMATITIC POLYMICTIC VOLCANIC WACKE (2.4)	
		28.0 - 28.7 CHLORITIC VOLCANIC WACKE (2.0)	
		Lithology: Medium grey, massive, soft, with ≈ 30% clastic fraction < 0.5 mm	
		Weak foliation due to the flat lying clastic fraction	
		28.0 - 28.7m Wacke ~~as~~ 11.0 - 23.4m	
		Structure: Weak foliations out perpendicular to c.a. 70°-90°. Cleavage parallel to the foliation	
		20 rusty fractures/m	
		Alteration: —	
		Mineralization: Absent Depositional contacts	
35.8	36.9	QUARTZ AND LITHIC WACKE (2.6)	
		Lithology: Medium grey, massive, with 30% of pebbles 2mm to 2 cm in diameter, volcanic in	
		origin and of various composition - pale grey, medium grey, beige, green and brown all	
		aphanitic, minor mudstone clasts	
		The matrix is of sand size generally < 1mm, fragment supported, also of volcanic origin, rounded	
		Cemented by tuffaceous material	

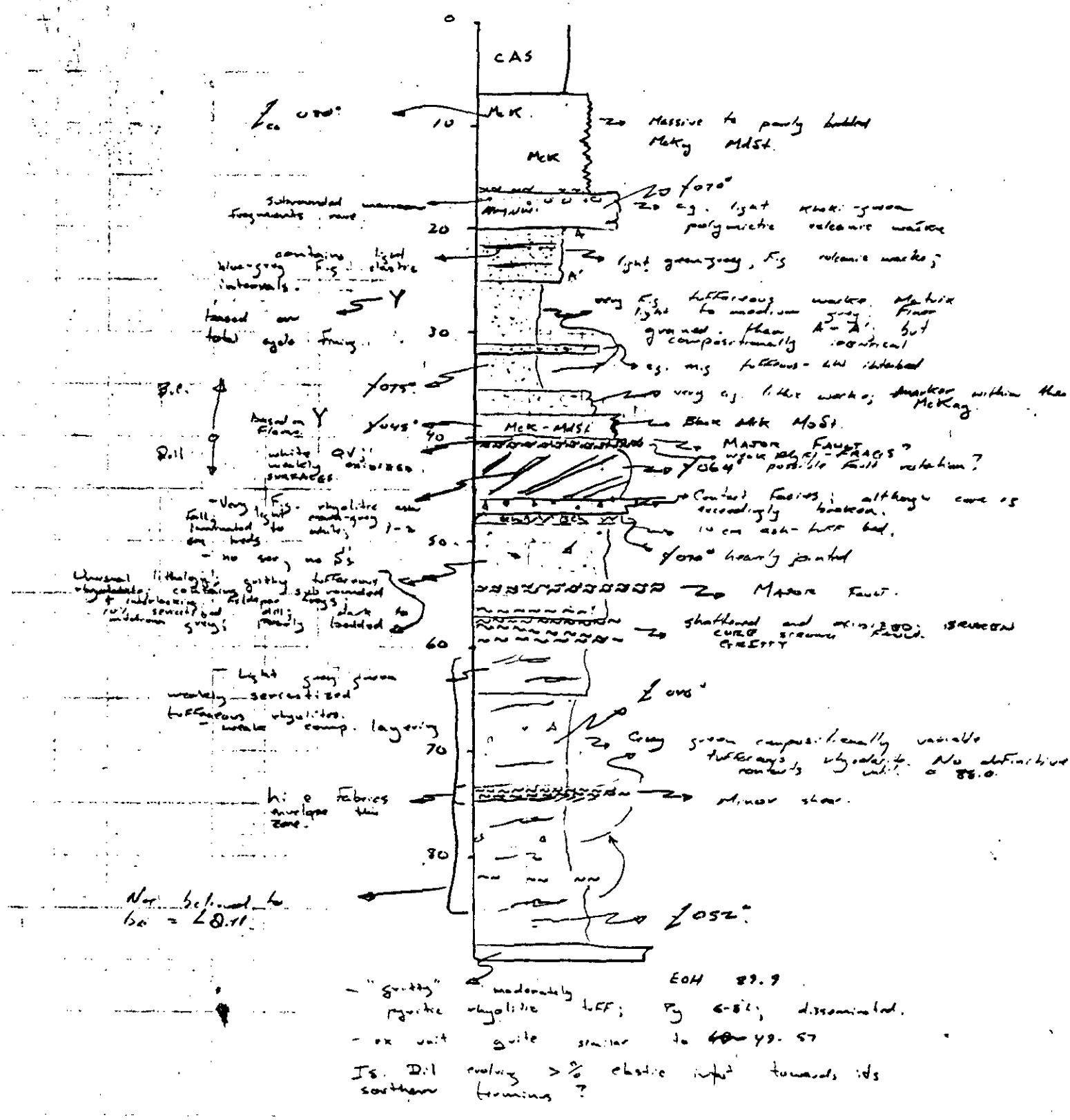
METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-108 PAGE 3 OF 9
		Structure: 2 fractures/m Faulted and rusty lower contact, 20 cm gouge ≈ 70° to c.a.
		Alteration: — Mineralization: Trace pyrite as rim to some fragments
36.9	40.4	BLACK TUFFACEOUS MUDSTONE (2.8)
		Lithology: Black, medium bed, with trace of pyrite laminations <1mm wide and with a few silty laminations 20 cm, barren quartz vein, white, vuggy at 40.2-40.4.
		Structure: Bedding 39.7m 65° to c.a. 20 fractures (rusty)/m
		Alteration: 20 cm quartz vein stained by limonite
		Mineralization: Syngenetic pyrite laminations <0.5%
40.4	46.0	TUFFACEOUS RHYOLITE
		Lithology: Light to medium grey, well laminated <2mm wide, very siliceous
		Structure: Very poor recovery ≈ 2m Broken, rusty fractures

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization 91-108 PAGE 4 OF 7
		Alteration: limonite along fractures
		Mineralization: Absent
46.0	47.3	GREEN - BLACK RHYOLITIC FRAGMENTAL AND CHERT BRECCIA (3.4), BLACK-CHERT - CHERT BRECCIA (3.3)
		Lithology: Very broken, poor recovery ≈ 60 cm
		Pieces of brecciated quartz fragments in black chert
		and pieces of quartz vein
47.3	57.0	RHYODACITIC FRAGMENTAL (3.0)
		47.3 - 53.4
		Lithology: Broken, poor recovery, approximate contact
		Short interval of silicified mudstone of a known thickness < 1 m followed by massive
		fragmental, medium grey with grains < 0.5 mm
		Structure: Very broken, numerous rusty fractures
		Alteration: Pervasive limonite stain and bleaching of variable width 2 mm to several cm on each side
		of the fracture
		Mineralization: Absent

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization 91-108 PAGE 5 OF 7
57.0	64.5	TUFFACEOUS RHYOLITE (3.9)
		Lithology: 53.4-64.5 Medium green, mottled, hard T. medium hard, massive with minor tuffaceous sections <15 cm thick.
		Structure: 54.6-63.0 m Very broken, numerous rusty fractures, poor recovery 63.0-65.7 5-10 fractures/m
		Alteration: Moderate pervasive sericite
		Mineralization: Trace of disseminated pyrite
64.5	89.9	TUFFACEOUS RHYOLITE - ASH AND LAPILLI (3.9 A, L)
		Lithology: 64.5-65.7 Medium grey, brecciated, very siliceous, mottled, tuffaceous
		Structure & Alteration: Brecciated with 20% of white quartz veinlets of irregular width and various orientations
		Mineralization: Pyrite veinlets in fractures <0.5%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	91-108 PAGE 6 OF 7
		Lithology: 65.7-69.0 Medium greenish grey, massive, mottled, can be sericitized	
		Structure: Broken, rusty zones 67.2 - 67.7m 68.9 - 69.3m	
		Alteration: Moderate sericite, Weak silicification 66.9 - 69.3	
		Mineralization: Trace disseminated pyrite	
		Lithology: 69.0-89.0 Medium greenish grey, well foliated, slightly mottled, with flattened lapilli up to 5mm thick and 1.5 cm long of same composition as the sed matrix. Approximately 50% - 50% Minor autobrecciated flows	
		Structure: Strongly foliated 71.7 m 50° to c.a 78.4 m 45° to c.a 83.6 m 40° to c.a	
		Alteration: Strong sericite 85.4 - 89.0 Moderate sericite, moderate silicification, weak-moderate calcite	
		Mineralization: Absent Trace pyrite at 87.6 - 88.0m blebs + veinlets along foliation	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-108 PAGE 7 OF 7
		Lithology: Medium grey, massive, with a trace of 2mm sub fragmental, otherwise aphanitic to very fine grained
		Structure: Broken, cleavage 70° to c a
		Alteration: —
		Mineralization: Disseminated pyrite ≈0.5%
		39.9 End of hole.


CAS
McK
Massive to poorly bedded McKay MdSt.
Light green-grey, f-g volcanic wacke;
Very f-g tuffaceous wacke. Matrix finer grained than A-A', but compositionally identical
McK - MdSt
Black MdK MdSt.
Major Fault
Major Fault.
Light grey green weakly sericitized tuffaceous rhyolite.
Grey green compositionally variable tuffaceous rhyolite. No distinctive unit.
Minor shear.
Not believed to be = L8.11.
EOH 89.9

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-108	13053	3.05	4.00	0.95	-	-	2	-	-	0.8	34	1	197	-	28	27	86	32360	7590
91-108	13054	4.00	8.00	4.00	-	-	1	-	-	1.2	30	2	102	-	46	27	94	38350	10190
91-108	13055	8.00	13.00	5.00	-	-	1	-	-	0.7	31	2	97	-	53	29	82	41880	36850
91-108	13056	13.00	16.00	3.00	-	-	1	-	-	0.4	22	1	182	-	47	28	83	38040	16930
91-108	13057	16.00	18.00	2.00	-	-	1	-	-	0.2	19	1	96	-	23	15	97	53430	15170
91-108	13058	18.00	20.00	2.00	-	-	2	-	-	0.2	24	1	69	-	23	21	133	54240	18610
91-108	13059	20.00	22.00	2.00	-	-	1	-	-	0.2	6	1	73	-	16	20	93	50610	10350
91-108	13060	22.00	24.00	2.00	-	-	4	-	-	0.8	82	1	48	-	13	20	84	30500	19190
91-108	13061	24.00	26.00	2.00	-	-	16	-	-	0.2	37	1	105	-	13	24	83	43020	5130
91-108	13062	26.00	28.00	2.00	-	-	3	-	-	0.1	35	1	119	-	24	16	102	50540	3260
91-108	13063	28.00	30.00	2.00	-	-	18	-	-	0.1	30	1	105	-	13	28	104	50680	6320
91-108	13064	30.00	32.00	2.00	-	-	5	-	-	0.1	29	1	79	-	26	23	127	62270	12080
91-108	13065	32.00	34.00	2.00	-	-	2	-	-	0.1	20	1	94	-	19	24	146	60850	5070
91-108	13066	34.00	36.00	2.00	-	-	6	-	-	0.1	19	1	138	-	17	26	124	58720	6080
91-108	13067	36.00	38.00	2.00	-	-	4	-	-	0.4	77	4	93	380	18	56	174	52800	13380
91-108	13068	38.00	41.00	3.00	-	-	1	-	-	0.7	64	13	147	560	31	33	113	29020	11900
91-108	13069	41.00	48.00	7.00	-	-	3	-	-	1.1	37	1	79	-	7	34	69	8120	10520
91-108	13070	48.00	50.00	2.00	-	-	2	-	-	0.8	48	3	178	-	11	37	109	12220	770
91-108	13071	50.00	52.00	2.00	-	-	9	-	-	0.8	50	1	120	-	9	27	98	11610	340
91-108	13072	52.00	54.00	2.00	-	-	4	-	-	1.1	36	1	163	-	5	31	86	6960	130
91-108	13073	54.00	56.00	2.00	-	-	1	-	-	1.0	44	1	136	-	6	29	92	7440	150
91-108	13074	56.00	60.00	4.00	-	-	2	-	-	1.0	51	1	379	-	8	28	81	9850	10
91-108	13075	60.00	62.00	2.00	-	-	2	-	-	0.7	182	11	50	-	3	25	77	17550	10
91-108	13076	62.00	64.00	2.00	-	-	1	-	-	1.0	94	3	78	-	4	30	102	11880	10
91-108	13077	64.00	66.00	2.00	-	-	13	-	-	1.1	122	5	205	-	11	40	92	12010	50
91-108	13078	66.00	68.00	2.00	-	-	4	-	-	1.1	68	1	65	-	6	27	78	12450	10
91-108	13079	68.00	70.00	2.00	-	-	2	-	-	1.3	41	2	188	-	7	36	137	12220	10
91-108	13080	70.00	72.00	2.00	-	-	1	-	-	1.2	58	3	176	-	6	37	117	14100	3350
91-108	13081	72.00	74.00	2.00	-	-	1	-	-	1.2	43	3	214	-	10	39	155	14560	560
91-108	13082	74.00	76.00	2.00	-	-	2	-	-	1.2	22	2	199	-	6	32	118	11940	920
91-108	13083	76.00	78.00	2.00	-	-	3	-	-	1.2	35	3	243	-	7	33	157	11760	10
91-108	13084	78.00	80.00	2.00	-	-	2	-	-	1.1	33	1	182	-	6	31	122	9160	730
91-108	13085	80.00	82.00	2.00	-	-	1	-	-	1.2	37	1	157	-	6	36	121	9000	2250
91-108	13086	82.00	84.00	2.00	-	-	3	-	-	1.3	32	1	120	-	6	27	100	8810	13870
91-108	13087	84.00	86.00	2.00	-	-	7	-	-	1.3	37	1	170	-	6	27	131	8740	10410
91-108	13088	86.00	88.00	2.00	-	-	16	-	-	1.7	31	1	135	-	5	29	87	9020	24020
91-108	13089	88.00	89.90	1.90	-	-	29	-	-	1.3	31	1	144	-	7	22	93	24770	33080

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ109+110
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
13039	.3	8680	119	6	335	.8	1	17270	.1	7	27	30910	4540	1	11890	538	21	1050	20	580	27	19	32	1	24	17.9	97	3	1	3	51	1	745
13040	.1	8410	75	5	311	1.0	1	12500	.1	8	32	31100	4230	5	11890	391	21	1410	25	650	31	15	29	1	28	20.6	183	2	1	2	22	3	730
13041	.4	10680	73	4	174	1.7	1	15950	.1	7	25	24550	5800	1	8810	495	16	1110	17	740	26	15	26	1	36	18.3	114	3	1	3	50	2	605
13042	.1	8510	135	7	92	.7	1	19500	.1	27	45	41550	4970	1	14500	851	8	1130	30	600	20	8	38	1	21	32.3	58	1	1	3	63	4	475
13043	.3	6800	68	3	97	.5	1	17500	.1	8	39	31660	3960	1	10900	460	15	1280	13	490	29	16	41	1	23	14.3	72	2	1	3	42	1	705
13044	.1	8220	73	4	102	.6	1	14940	.1	12	34	34930	3830	6	11910	380	17	1610	20	440	30	12	26	1	22	22.2	104	1	1	3	57	1	635
13045	.2	8710	34	3	131	.8	1	14660	.1	8	29	28320	4920	1	8800	540	19	1310	18	930	27	8	19	1	31	16.9	128	2	1	2	43	1	530
13046	.4	6500	35	2	120	.8	1	18260	.8	7	27	24330	3700	1	8990	725	14	930	26	760	31	13	20	1	21	15.5	239	2	1	2	45	3	500
13047	.1	14890	20	3	130	.6	1	15750	.1	16	23	42310	3350	15	14310	615	3	770	4	1070	23	2	24	1	35	25.5	138	2	1	1	19	1	280
13048	.1	27380	1	3	784	.1	1	19600	.1	25	28	58910	2290	32	19820	814	1	320	1	1290	20	1	38	1	46	45.7	127	1	1	2	48	2	110
13049	.5	18180	16	7	173	.8	1	15320	.1	17	70	38560	3700	17	14060	686	1	60	2	690	37	1	30	1	33	28.8	104	3	2	2	24	5	75
13050	.4	16740	9	5	155	.6	1	7540	.1	9	9	34310	2890	14	10140	412	1	50	1	230	27	1	13	1	24	15.0	81	3	1	1	12	4	90
13051	.1	16110	5	4	140	.8	1	5230	.1	11	6	38450	3200	10	7800	369	1	60	1	280	29	1	9	1	28	17.6	99	2	2	1	9	1	60
13052	.2	16300	6	4	150	.5	1	9590	.1	9	10	36070	3750	8	5940	560	1	90	1	940	22	1	20	1	34	31.4	65	2	1	2	25	2	45
13053	.8	16970	34	3	197	.2	1	7590	.1	13	28	32360	1840	29	14480	547	3	160	75	770	27	1	33	1	120	36.1	86	4	1	6	139	2	
13054	1.2	18950	30	3	102	.3	1	10190	.1	12	46	38350	2360	17	11940	481	1	60	15	990	27	2	12	1	34	27.4	94	3	1	2	31	1	
13055	.7	21060	31	3	97	.3	1	36850	.1	11	53	41880	2540	17	13340	853	1	40	3	850	29	2	28	1	25	28.9	82	3	1	1	18	1	
13056	.4	20320	22	2	182	.6	1	16930	.1	11	47	38040	2640	16	11780	504	1	40	2	830	28	1	17	1	26	29.3	83	2	1	1	19	1	
13057	.2	26520	19	3	96	.5	1	15170	.1	14	23	53430	1990	18	14970	424	1	50	1	1430	15	1	16	1	42	36.9	97	4	1	2	27	1	
13058	.2	25910	24	2	69	.4	1	18610	.1	22	23	54240	1710	17	13900	473	1	70	1	1650	21	1	23	1	46	41.4	133	3	1	2	22	2	
13059	.2	22990	6	2	73	.5	1	10350	.1	14	16	50610	1850	14	11900	332	1	30	1	620	20	1	12	1	32	24.1	93	3	1	1	17	1	
13060	.8	14280	82	9	48	.7	3	19190	.1	10	13	30500	1650	11	7760	460	1	30	1	460	20	1	33	1	25	7.8	84	5	1	2	30	4	
13061	.2	22930	37	6	105	.5	3	5130	.1	12	13	43020	2750	15	11950	217	1	30	3	140	24	1	9	1	39	13.8	83	4	1	2	20	16	
13062	.1	29470	35	5	119	.6	2	3260	.1	16	24	50540	4120	20	15710	235	1	40	12	200	16	1	6	1	55	22.3	102	5	1	2	28	3	
13063	.1	28340	30	5	105	.6	2	6320	.1	13	13	50680	4030	18	14450	306	1	620	1	210	28	1	12	1	59	18.6	104	5	1	2	40	18	
13064	.1	32300	29	4	79	.4	1	12080	.1	15	26	62270	3200	25	19550	470	1	650	1	760	23	1	29	1	61	38.1	127	4	1	1	19	5	
13065	.1	27530	20	4	94	.5	1	5070	.1	13	19	60850	3880	21	16340	371	1	640	1	390	24	1	6	1	54	24.6	146	5	1	1	19	2	
13066	.1	20220	19	4	138	.6	1	6080	.1	15	17	58720	3660	17	16150	408	1	770	1	690	26	1	5	1	43	21.2	124	3	1	1	15	6	
13067	.4	9190	77	4	93	.6	1	13380	.1	24	18	52800	3700	8	13440	540	22	1250	1	2020	56	4	17	1	29	20.1	174	3	1	1	20	4	380
13068	.7	5550	64	2	147	.7	1	11900	.1	7	31	29020	3130	1	6370	352	18	700	16	520	33	13	13	1	20	12.8	113	3	1	2	41	1	560
13069	1.1	3630	37	1	79	.7	1	10520	.1	2	7	8120	1990	1	6190	156	5	710	5	50	34	1	13	1	15	3.4	69	5	1	7	159	3	
13070	.8	5020	48	1	178	1.2	1	770	.1	3	11	12220	2450	2	1990	99	7	630	2	60	37	3	5	1	14	2.9	109	4	1	5	100	2	
13071	.8	6270	50	1	120	1.5	1	340	.1	3	9	11610	2440	5	4800	61	7	70	4	70	27	1	3	1	9	2.8	98	5	1	7	149	9	
13072	1.1	10850	36	1	163	2.1	2	130	.1	1	5	6960	2950	11	7530	34	5	60	2	70	31	1	4	1	10	1.9	86	7	1	4	87	4	
13073	1.0	12260	44	1	136	1.6	2	150	.1	2	6	7440	2820	14	11300	19	7	90	4	50	29	1	4	1	14	2.6	92	8	1	8	163	1	
13074	1.0	16540	51	1	379	1.5	1	10	.1	2	8	9850	2300	28	20350	18	4	90	1	50	28	1	5	1	13	2.9	81	8	1	4	87	2	
13075	.7	11240	182	1	50	.7	2	10	.1	2	3	17550	540	23	18330	23	5	110	1	30	25	11	2	1	9	2.5	77	7	1	3	69	2	
13076	1.0	14230	94	1	78	1.4	2	10	.1	2	4	11880	1350	25	20710	24	4	90	1	30	30	3	3	1	7	2.7	102	8	1	4	66	1	
13077	1.1	15450	122	1	205	1.5	2	50	.1	2	11	12010	2960	23	17500	33	7	130	2	80	40	5	4	1	17	2.9	92	9	1	7	158	13	
13078	1.1	15400	68	1	65	1.2	3	10	.1	2	6	12450	950	28	23470	25	6	160	1	50	27	1	3	1	13	3.1	78	9	1	4	78	4	
13079	1.3	23480	41	1	188	2.9	2	10	.1	2	7	12220	3280	37	28810	20	9	170	1	70	36	2	5	2	24	3.4	137	8	1	7	155	2	
13080	1.2	24130	58	1	176	2.6	1	3350	.1	2	6	14100	2940	39	32230	51	5	910	1	70	37	3	11	1	26	4.0	117	7	1	3	69	1	
13081	1.2	29240	43	1	214	3.6	3	560	.1	2	10	14560	4050	47	37780	24	6	750	1	80	39	3	7	3	32	3.7	155	5	1	4	104	1	
13082	1.2	28020	22	1	199	2.9	3	920	.1	2	6	11940	3430	47	37410	23	2	760	1	40	32	2	7	1	29	3.5	118	6	1	2	46	2	
13083	1.2	26860	35	1	243	3.1	2	10	.1	2	7	11760	4900	38	30640	26	7	90	2	50	33	3	5	2	36	3.3	157	7	1	5	111	3	
13084	1.1	18370	33	1	182	2.4	2	730	.1	2	6	9160	4150	22	18300	20	6	70	1	60	31	1	5	2	37	2.4	122	8	1	4	69	2	
13085	1.2	14160	37	1	157	2.2	2	2250	.1	2	6	9000	4100	13	12320	47	10	820	4	50	36	1	8	3	57	2.4	121	8	1	8	163	1	
13086	1.3	11670	32	1	120	2.2	1	13870	.1	1	6	8810	3120	13	12330	142	5	60	1	50	27	1	31	2	37	2.5	100	7	1	3	60	3	
13087	1.3	10680	37	1	170	2.5	2	10410	.1	2	6	8740	3580	9	11150	165	7	40	4	70	27	1	19	1	35	2.8	131	7	1	7	149	7	
13088	1.7	7270	31	1	135	1.7	2	24020	.1	1	5	9020	2930	6	11390	646	4	50	1	50	29	1	68	1	31	2.9	87	7	1	4	73	16	
13089	1.3	11430	31	1	144	1.1	2	33080	.1	6	7	24770	3020	11	17180	892	4	50	1	210	22	1	88	1	24	11.3	93	5	1	4	93	29	
13090	.2	21020	49	9	97	.2	1	22620	.1	10	19	40230	2850	12	15010	1202	1	90	1	1940	19	1	22	1	37	42.8	74	3	1	2	27	5	
13091	.3	18340	19	6	133	.3	1	17590	.1	8	9	29830	3010	9	11890	934	1	160	1	1890	16	1	18	1	42	32.0	67	4	1	2	22	2	
13092	.5	19830	30	5	161	.4	1	22640	.1	10	9	35460	4210	9	14830	1531	1	120	1	1870	22	1	22	1	36	31.3	76	4	1	2	21	4	
13093	.5	21460	27	6	104	.5	1	21130	.1	15	15	41750	4410	9	25180	1406	1	70	1	1420	22	1	18	1	37	41.5	54	2	1	2	23	6	
13094	.3	11560	54	6	91	.4	1	9920	.1	8	7	29600	4560	5	13370	435	1	140	1	1340	14	1	11	1	32	22.4	56	4	1	2	33	3	

91-108

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-109
PAGE 1 OF 7

TESTS

Meterage	Dip	Azimuth
0	46°	297°
61	43°	307.5°
122.8	41.5°	308°

COLLAR SURVEY:

Northing: 8533.46
Easting: 10029.54
Elevation: 1045.09
Azimuth: 297°
Dip: -45.5°
IP Grid Coordinates: 8540N 10030E

CORE BQTW
Section: 8540N
Date Started: Aug 29/91
Date Finnished: Aug 29/91
Date Logged: Aug 31/91

Total Depth: 122.8
Casing Depth 3.05
Casing Left In: YES
Logged By: M ARCHAMBAULT
Comments:

SAMPLE NUMBERS

13090 To 13149
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	3.05	CASING
3.05	67.5	INTERMEDIATE FRAGMENTAL (1.5)
67.5	70.4	INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA (1.7)
		45.0-47.0 INTERMEDIATE FLOW (1.6)
		53.0-67.5 INTERMEDIATE FRAGMENTAL - LAPILLI - K FELDSPAR - SERICITE - PYRITE
		39.5-70.9
		Lithology: Interlayered intermediate ash tuffs and lapilli tuffs
		Lapilli tuffs: consist of medium to dark green lapillis from 2 mm to 3 cm, elongated and angular and oriented parallel to the foliation, matrix supported, in ash tuff matrix with or without small ash fragments 5 mm to 2 mm, pale greyish green
		Minor beds show large lapillis ≈3 cm wide, 5 cm long and fragment supported
		Ash tuffs: are pale to medium greyish green and are either massive and very fine grained, or contain small ash fragments < 2 mm and matrix supported
		Ash tuffs are either massive beds or banded and foliated
		8.1-11.2 Minor muddy component makes the rock darker along the foliation
		24.5-28.0 "
		35.1-36.2 & 39.5-40.0 INTER-VOLCANIC ARGILLITE (UY) Large flat mudstone fragments up to 2 cm wide, 4 cm long lying in a black muddy matrix. Both fragments and matrix can be scratched

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-109	PAGE 2 OF 7

Structure: Bedding parallel to foliation:
2.0m : 75° to c.a
19.3m : 65°
28.3m : 85°
45.0m : 45°
57.8m : 65°

Rusty fractures: 3.05 – 8.5 ≈ 10–25/m
13.9 – 18.8 ≈ 20–25/m

Slickenside 40.0m : 50° to c.a. and 35° to c.a

Alteration: Pervasive sericite moderate throughout
Chlorite of some bands, in foliation 3% of total interval
Kaper = intense in some intervals – does not occur with strong sericite or chlorite alt.
→ 33.0 – 39.0 & 53.2 – 57.3 m and moderate 57.3 – 64.9.
Not stained everywhere → estimated intervals
Silica: 39.3 – 51.2 Numerous irregular quartz veinlets and pods from hairline to 20 cm wide with small (<2cm) fragments of wall rock. They are of two different generations. the first one being predominant. Various extend - 2% to 30%
Strongest between: 40.5 – 42.0 and 45.8 – 46.6.
Also 66.5 – 68.5 – 2% veinlets
Mineralization: Pyrite disseminated and along foliation 1-3% throughout
Pyrite veinlets with grains of sphalerite and galena in the intense Kaper altered intersection 34.5 – 39m < 1% veinlets
→ INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA (1.7)
64.9 – 70.9 Gradually becomes darker to black, matrix gradually becomes muddy and lapilli become dark green to black. Strongly silicious (pervasive)

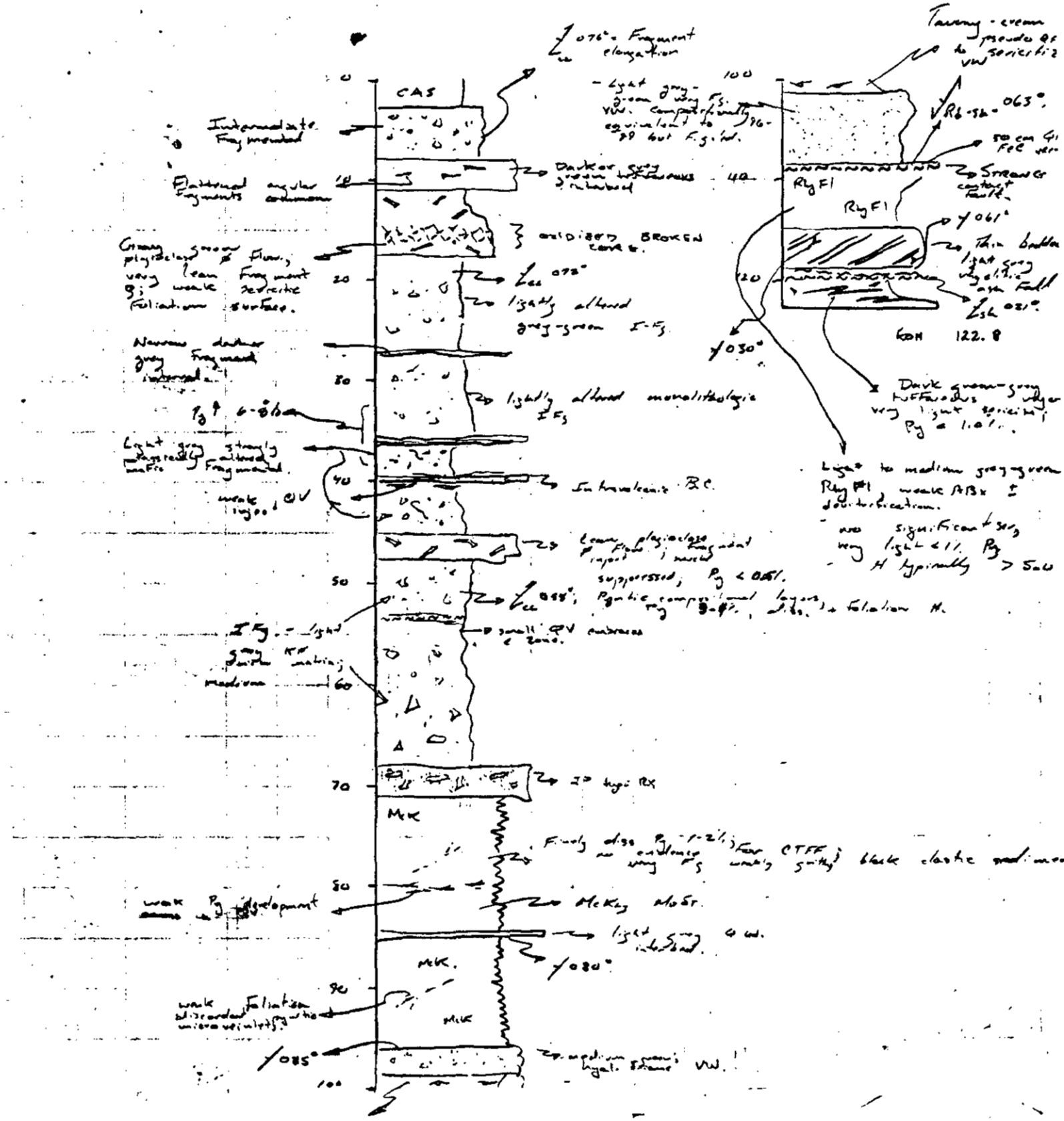
METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-109 PAGE 3 OF 7
		47.0 - 47.3 DIORITE DYKE
		Lithology: Medium grey, massive, very fine grained
		Structure: sharp contacts upper: 35° to c.a
		lower: 45° to c.a
		Alteration: Weak chlorite?
		Mineralization: Disseminated pyrite - 2%
70.9	96.0	BLACK TUFFACEOUS MUDSTONE (2.8)
		84.0 - 85.0 QUARTZ AND LITHIC WACKE (2.6)
		Lithology: Black, can be scratched, with minor calcareous silty beds, generally faint.
		One bed at 85.2 is graded with Top upwards.
		Structure: Strong cleavage: 74.0 - 70° to c.a contacts: upper - faulted 65° to c.a
		80.1 - 70° to c.a lower - 55° to c.a
		86.5 - 70 to c.a
		92.5 - 65° to c.a
		Faults 73.5 m 1 cm gouge
		75.1 m 8 cm gouge
		81.3 m 6 cm gouge
		82.6 m 6 cm gouge
		92.7 m 10 cm gouge
		Alteration: Minor calcite (minor quartz) veinlets <1mm wide (up to 1cm in places) ≈0.5%

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-109 PAGE 4 OF 9
		Mineralization: Pyrite blebs in calcite veinlets <0.5%
96.0	98.5	CHLORITIC VOLCANIC WACKE (2.0) +/- HEMATITIC POLYMICTIC VOLCANIC WACKE (2.4)
		Lithology: 96.0-101.5 Medium green from 96.0 to 98.5 m and beige 98.5 to 101.5 m Composed of clasts up to 2 mm and 1% up to 1.5 cm in lenght, generally flat and of the same composition as the matrix with ≈5% of different composition i.e. beige tuffaceous fragments plus rare rounded grey clast and black mudstone clast in the green tuff, and grey and black fragments in the beige matrix
		Structure: Moderate foliation 98.4 m 80° to c.a. Rusty fractures ≈ 5/m 101.0 m 75° to c.a.
		Alteration: Moderate sericite
		Mineralization: Absent
98.5	109.1	HEMATITIC POLYMICTIC VOLCANIC WACKE (2.4)
		Lithology: 101.5-107.5 Greenish grey to greyish green, very fine grained, beds grade into each other, beds or composition intervals are approximately 1 m thick. Very siliceous
		Structure: Rusty fractures: 6-10/m

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-109 PAGE 5 OF 7
		Alteration: Wisk sericite of the tuffaceous fraction
		Mineralization: Absent
107.5	109.1	FAULT ZONE
		Lithology: Mixed section of mudstone, laminated rhyolitic tuff, minor dacitic tuff as above and a 40 cm wide, barren white quartz vein Each rock type is deformed and separated by slickensides
		Structure: Slickenside: 107.5 m - 20° to c.a. rusty fractures 10-12/m 108.6 50°-70°-80° to c.a.
		Alteration: strong silica
		Mineralization: 1% disseminated pyrite blebs in mudstone = 25 cm long
109.1	115.0	RHYOLITE FLOW (AUTOBRECCIATED) (3.8)
115.0	120.5	TUFFACEOUS RHYOLITE (3.9)
		Lithology: Medium grey, laminated < 3 mm wide, pale and medium grey, irregular orientation. Very hard. With open space cavities up to 2 cm wide rimmed with 1-2 mm wide calcite band and filled with black "chuty" mudstone?
		Structure: Slickensides 110.6 m 20° to c.a. 111.5 m 50° to c.a. 111.1 m 55° to c.a. 112.3 m 50° & 10° to c.a. different orientations

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-109 PAGE 6 OF 7
		113.7m 50° to c.a. From 109.1 to 111.3 tectonically brecciated & crushed
		114.0 m 60° to c.a.
		115.4 m 30+40° to c.a.
		115.9 m 0° to c.a.
		117.5 m 0° to c.a.
		118.2 20°+45° to c.a.
		119.5 – 120.5 broken, numerous slickenside 0-30° to c.a.
		Alteration: 109.1 to 111.3 Calcite bifline fractures in matrix to the breccia ≈5%
		Quartz-calcite veinlets throughout <1mm wide ≈1%
		Mineralization: Absent.
120.5	122.8	RHYODACITIC FRAGMENTAL (3.0)
		Lithology: Dark green, with fragments ≤1cm long in a matrix of the same composition
		Strongly foliated, can be scratched
		121.8-122.2 Rhyolite flow, dark greenish grey, massive, aphanitic
		Structure: Entirely well foliated with tuff flattened parallel to the foliation
		Foliation 120.3 m -50° to c.a. Rhyolite contacts are sharp upper 50° to c.a.
		122.6 -70° to c.a. lower 70° to c.a.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-109 PAGE 7 OF 7
		Alteration: Moderate chlorite?	
		Mineralization: Absent.	
		122.8 End of hole	


CAS
Intermediate Fragmented
Flattened angular Fragments
Green plagioclase phyric flows
very lean Fragment
weak sericite foliation surface.
Narrow darker grey Fragment
Light grey strongly altered Fragmental
weak ligno
Light to medium grey-green Rhy Fl, weak FBx
no significant sulf
very light
H typically > 5%
Rhy Fl
Rhy Fl
Strongly contact fault
Thin bedded light grey
KDH 122.8
Dark green-grey tuffaceous
very light sericitic
Pg = 1.0%
lightly altered grey-green
lightly altered monolithologic
Intermediate BC
weak QV
small QV
MCK
MCK.
MCK
McKay MoSt.
weak Pg development
weak foliation
Medium light green VW.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-109	13090	3.05	5.00	1.95	-	-	5	-	-	0.2	49	1	97	-	19	19	74	40230	22620
91-109	13091	5.00	7.00	2.00	-	-	2	-	-	0.3	19	1	133	-	9	16	67	29830	17590
91-109	13092	7.00	9.00	2.00	-	-	4	-	-	0.5	30	1	161	-	9	22	76	35460	22640
91-109	13093	9.00	11.00	2.00	-	-	6	-	-	0.5	27	1	104	-	15	22	54	41750	21130
91-109	13094	11.00	13.00	2.00	-	-	3	-	-	0.3	54	1	91	-	7	14	56	29600	9920
91-109	13095	13.00	15.00	2.00	-	-	10	-	-	0.2	154	2	73	-	9	13	52	26110	10540
91-109	13096	15.00	17.00	2.00	-	-	2	-	-	0.2	174	3	92	-	4	14	70	33170	8330
91-109	13097	17.00	19.00	2.00	-	-	3	-	-	0.6	135	3	101	-	10	15	48	27610	6360
91-109	13098	19.00	21.00	2.00	-	-	52	-	-	0.5	172	1	121	-	14	18	49	29730	15580
91-109	13099	21.00	23.00	2.00	-	-	240	-	-	0.4	41	1	88	-	5	18	46	35250	14020
91-109	13100	23.00	25.00	2.00	-	-	1	-	-	0.2	22	1	109	-	3	15	43	32750	13120
91-109	13101	25.00	27.00	2.00	-	-	3	-	-	0.2	27	1	127	-	18	16	47	36240	16440
91-109	13102	27.00	29.00	2.00	-	-	2	-	-	0.2	40	1	94	-	2	16	45	34070	17010
91-109	13103	29.00	31.00	2.00	-	-	2	-	-	0.2	45	1	86	-	4	16	53	48280	16700
91-109	13104	31.00	33.00	2.00	-	-	188	-	-	0.4	225	1	106	-	4	16	42	35720	12700
91-109	13105	33.00	35.00	2.00	-	-	432	-	-	3.3	694	5	167	-	60	387	704	25170	7060
91-109	13106	35.00	37.00	2.00	-	-	67	-	-	1.4	413	2	140	-	16	293	58	18080	9100
91-109	13107	37.00	39.00	2.00	-	-	108	-	-	0.9	174	1	116	-	9	234	71	22100	9810
91-109	13108	39.00	41.00	2.00	-	-	182	-	-	1.3	664	2	85	-	20	34	67	25870	18150
91-109	13109	41.00	43.00	2.00	-	-	296	-	-	0.8	861	5	163	-	16	53	85	31450	11250
91-109	13110	43.00	45.00	2.00	-	-	5	-	-	0.3	95	1	167	-	4	27	64	27810	9840
91-109	13111	45.00	47.00	2.00	-	-	29	-	-	0.8	76	1	151	-	5	135	54	29890	11400
91-109	13112	47.00	49.00	2.00	-	-	53	-	-	0.5	127	1	167	-	4	171	60	36060	8920
91-109	13113	49.00	51.00	2.00	-	-	323	-	-	0.8	117	1	176	-	4	42	46	30220	8460
91-109	13114	51.00	53.00	2.00	-	-	107	-	-	0.4	116	1	216	-	2	22	42	31580	8480
91-109	13115	53.00	55.00	2.00	-	-	202	-	-	0.8	814	3	131	-	7	102	62	38470	7370
91-109	13116	55.00	57.00	2.00	-	-	193	-	-	0.5	88	1	225	-	5	184	47	39030	5700
91-109	13117	57.00	59.00	2.00	-	-	220	-	-	0.5	211	1	223	-	5	24	37	33440	7550
91-109	13118	59.00	61.00	2.00	-	-	230	-	-	0.4	163	1	149	-	5	15	27	32760	5730
91-109	13119	61.00	63.00	2.00	-	-	329	-	-	1.3	262	1	139	-	11	72	63	28720	5620
91-109	13120	63.00	65.00	2.00	-	-	350	-	-	2.1	187	1	118	-	17	402	44	28260	9760
91-109	13121	65.00	67.00	2.00	-	-	223	-	-	2.0	81	1	140	-	19	239	50	25830	8520
91-109	13122	67.00	69.00	2.00	-	-	184	-	-	2.7	116	1	184	-	19	115	35	32040	8700
91-109	13123	69.00	71.00	2.00	-	-	111	-	-	2.0	124	1	157	225	33	113	412	24790	6490
91-109	13124	71.00	73.00	2.00	-	-	24	-	-	2.2	36	1	314	155	25	44	60	37060	49700
91-109	13125	73.00	75.00	2.00	-	-	22	-	-	3.6	47	6	175	140	81	57	106	38090	21280
91-109	13126	75.00	77.00	2.00	-	-	316	-	-	4.4	88	7	143	175	119	260	83	34190	14500
91-109	13127	77.00	79.00	2.00	-	-	185	-	-	4.4	112	7	167	125	65	81	166	38970	13560
91-109	13128	79.00	81.00	2.00	-	-	560	-	-	6.3	308	11	133	735	156	430	1970	35210	7570
91-109	13129	81.00	83.00	2.00	-	-	101	-	-	2.5	58	5	152	200	53	48	108	39030	16170
91-109	13130	83.00	85.00	2.00	-	-	2	-	-	0.5	43	2	85	215	42	33	76	39100	18120
91-109	13131	85.00	87.00	2.00	-	-	1	-	-	0.3	35	2	97	235	44	28	82	43030	15700
91-109	13132	87.00	89.00	2.00	-	-	1	-	-	0.2	35	1	122	285	48	29	86	44720	17930
91-109	13133	89.00	91.00	2.00	-	-	2	-	-	0.2	30	2	86	255	51	28	89	41550	10860
91-109	13134	91.00	93.00	2.00	-	-	1	-	-	0.2	20	1	70	175	46	24	78	43790	13130
91-109	13135	93.00	95.00	2.00	-	-	3	-	-	0.4	20	1	70	260	40	27	90	39810	18150
91-109	13136	95.00	97.00	2.00	-	-	1	-	-	0.2	18	1	245	185	46	27	218	58910	18250
91-109	13137	97.00	99.00	2.00	-	-	1	-	-	0.2	10	1	135	-	11	18	89	57110	15320
91-109	13138	99.00	101.00	2.00	-	-	2	-	-	0.5	36	7	411	-	34	19	66	40840	17210
91-109	13139	101.00	103.00	2.00	-	-	1	-	-	0.5	17	1	90	-	14	22	96	37390	10370
91-109	13140	103.00	105.00	2.00	-	-	1	-	-	0.4	21	1	357	-	17	20	80	40120	10180

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-109	13141	105.00	107.00	2.00	-	-	1	-	-	0.4	16	1	107	-	20	16	91	40960	11100
91-109	13142	107.00	109.00	2.00	-	-	2	-	-	0.6	46	2	124	-	18	32	253	39550	15840
91-109	13143	109.00	111.00	2.00	-	-	1	-	-	1.6	22	1	81	-	6	28	24	9250	44670
91-109	13144	111.00	113.00	2.00	-	-	1	-	-	1.5	23	1	79	-	8	24	67	10140	26500
91-109	13145	113.00	115.00	2.00	-	-	1	-	-	1.3	21	1	69	-	4	22	147	6100	16470
91-109	13146	115.00	117.00	2.00	-	-	1	-	-	1.2	22	1	48	-	3	17	85	3700	15340
91-109	13147	117.00	119.00	2.00	-	-	1	-	-	1.1	19	1	54	-	3	17	87	4930	13950
91-109	13148	119.00	121.00	2.00	-	-	2	-	-	1.0	31	1	80	-	5	26	87	6980	6910
91-109	13149	121.00	123.80	2.80	-	-	1	-	-	1.3	35	1	80	-	5	27	104	10220	6860

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ109+110
DATE: 91/10/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
13039	.3	8680	119	6	335	.8	1	17270	.1	7	27	30910	4540	1	11890	538	21	1050	20	580	27	19	32	1	24	17.9	97	3	1	3	51	1	745
13040	.1	8410	75	5	311	1.0	1	12500	.1	8	32	31100	4230	5	11890	391	21	1410	25	650	31	15	29	1	28	20.6	183	2	1	2	22	3	730
13041	.4	10680	73	4	174	1.7	1	15950	.1	7	25	24550	5800	1	8810	495	16	1110	17	740	26	15	26	1	36	18.3	114	3	1	3	50	2	605
13042	.1	8510	135	7	92	.7	1	19500	.1	27	45	41550	4970	1	14500	851	8	1130	30	600	20	8	38	1	21	32.3	58	1	1	3	63	4	475
13043	.3	6800	68	3	97	.5	1	17500	.1	8	39	31660	3960	1	10900	460	15	1280	13	490	29	16	41	1	23	14.3	72	2	1	3	42	1	705
13044	.1	8220	73	4	102	.6	1	14940	.1	12	34	34930	3830	6	11910	380	17	1610	20	440	30	12	26	1	22	22.2	104	1	1	3	57	1	635
13045	.2	8710	34	3	131	.8	1	14660	.1	8	29	28320	4920	1	8800	540	19	1310	18	930	27	8	19	1	31	16.9	128	2	1	2	43	1	530
13046	.4	6500	35	2	120	.8	1	18260	.8	7	27	24330	3700	1	8990	725	14	930	26	760	31	13	20	1	21	15.5	239	2	1	2	45	3	500
13047	.1	14890	20	3	130	.6	1	15750	.1	16	23	42310	3350	15	14310	615	3	770	4	1070	23	2	24	1	35	25.5	138	2	1	1	19	1	280
13048	.1	27380	1	3	784	.1	1	19600	.1	25	28	58910	2290	32	19820	814	1	320	1	1290	20	1	38	1	46	45.7	127	1	1	2	48	2	110
13049	.5	18180	16	7	173	.8	1	15320	.1	17	70	38560	3700	17	14060	686	1	60	2	690	37	1	30	1	33	28.8	104	3	2	2	24	5	75
13050	.4	16740	9	5	155	.6	1	7540	.1	9	9	34310	2890	14	10140	412	1	50	1	230	27	1	13	1	24	15.0	81	3	1	1	12	4	90
13051	.1	16110	5	4	140	.8	1	5230	.1	11	6	38450	3200	10	7800	369	1	60	1	280	29	1	9	1	28	17.6	99	2	2	1	9	1	60
13052	.2	16300	6	4	150	.5	1	9590	.1	9	10	36070	3750	8	5940	560	1	90	1	940	22	1	20	1	34	31.4	65	2	1	2	25	2	45
13053	.8	16970	34	3	197	.2	1	7590	.1	13	28	32360	1840	29	14480	547	3	160	75	770	27	1	33	1	120	36.1	86	4	1	6	139	2	
13054	1.2	18950	30	3	102	.3	1	10190	.1	12	46	38350	2360	17	11940	481	1	60	15	990	27	2	12	1	34	27.4	94	3	1	2	31	1	
13055	.7	21060	31	3	97	.3	1	36850	.1	11	53	41880	2540	17	13340	853	1	40	3	850	29	2	28	1	25	28.9	82	3	1	1	18	1	
13056	.4	20320	22	2	182	.6	1	16930	.1	11	47	38040	2640	16	11780	504	1	40	2	830	28	1	17	1	26	29.3	83	2	1	1	19	1	
13057	.2	26520	19	3	96	.5	1	15170	.1	14	23	53430	1990	18	14970	424	1	50	1	1430	15	1	16	1	42	36.9	97	4	1	2	27	1	
13058	.2	25910	24	2	69	.4	1	18610	.1	22	23	54240	1710	17	13900	473	1	70	1	1650	21	1	23	1	46	41.4	133	3	1	2	22	2	
13059	.2	22990	6	2	73	.5	1	10350	.1	14	16	50610	1850	14	11900	332	1	30	1	620	20	1	12	1	32	24.1	93	3	1	1	17	1	
13060	.8	14280	82	9	48	.7	3	19190	.1	10	13	30500	1650	11	7760	460	1	30	1	460	20	1	33	1	25	7.8	84	5	1	2	30	4	
13061	.2	22930	37	6	105	.5	3	5130	.1	12	13	43020	2750	15	11950	217	1	30	3	140	24	1	9	1	39	13.8	83	4	1	2	20	16	
13062	.1	29470	35	5	119	.6	2	3260	.1	16	24	50540	4120	20	15710	235	1	40	12	200	16	1	6	1	55	22.3	102	5	1	2	28	3	
13063	.1	28340	30	5	105	.6	2	6320	.1	13	13	50680	4030	18	14450	306	1	620	1	210	28	1	12	1	59	18.6	104	5	1	2	40	18	
13064	.1	32300	29	4	79	.4	1	12080	.1	15	26	62270	3200	25	19550	470	1	650	1	760	23	1	29	1	61	38.1	127	4	1	1	19	5	
13065	.1	27530	20	4	94	.5	1	5070	.1	13	19	60850	3880	21	16340	371	1	640	1	390	24	1	6	1	54	24.6	146	5	1	1	19	2	
13066	.1	20220	19	4	138	.6	1	6080	.1	15	17	58720	3660	17	16150	408	1	770	1	690	26	1	5	1	43	21.2	124	3	1	1	15	6	
13067	.4	9190	77	4	93	.6	1	13380	.1	24	18	52800	3700	8	13440	540	22	1250	1	2020	56	4	17	1	29	20.1	174	3	1	1	20	4	380
13068	.7	5550	64	2	147	.7	1	11900	.1	7	31	29020	3130	1	6370	352	18	700	16	520	33	13	13	1	20	12.8	113	3	1	2	41	1	560
13069	1.1	3630	37	1	79	.7	1	10520	.1	2	7	8120	1990	1	6190	156	5	710	5	50	34	1	13	1	15	3.4	69	5	1	7	159	3	
13070	.8	5020	48	1	178	1.2	1	770	.1	3	11	12220	2450	2	1990	99	7	630	2	60	37	3	5	1	14	2.9	109	4	1	5	100	2	
13071	.8	6270	50	1	120	1.5	1	340	.1	3	9	11610	2440	5	4800	61	7	70	4	70	27	1	3	1	9	2.8	98	5	1	7	149	9	
13072	1.1	10850	36	1	163	2.1	2	130	.1	1	5	6960	2950	11	7530	34	5	60	2	70	31	1	4	1	10	1.9	86	7	1	4	87	4	
13073	1.0	12260	44	1	136	1.6	2	150	.1	2	6	7440	2820	14	11300	19	7	90	4	50	29	1	4	1	14	2.6	92	8	1	8	163	1	
.13074	1.0	16540	51	1	379	1.5	1	10	.1	2	8	9850	2300	28	20350	18	4	90	1	50	28	1	5	1	13	2.9	81	8	1	4	87	2	
13075	.7	11240	182	1	50	.7	2	10	.1	2	3	17550	540	23	18330	23	5	110	1	30	25	11	2	1	9	2.5	77	7	1	3	69	2	
13076	1.0	14230	94	1	78	1.4	2	10	.1	2	4	11880	1350	25	20710	24	4	90	1	30	30	3	3	1	7	2.7	102	8	1	4	66	1	
13077	1.1	15450	122	1	205	1.5	2	50	.1	2	11	12010	2960	23	17500	33	7	130	2	80	40	5	4	1	17	2.9	92	9	1	7	158	13	
13078	1.1	15400	68	1	65	1.2	3	10	.1	2	6	12450	950	28	23470	25	6	160	1	50	27	1	3	1	13	3.1	78	9	1	4	78	4	
13079	1.3	23480	41	1	188	2.9	2	10	.1	2	7	12220	3280	37	28810	20	9	170	1	70	36	2	5	2	24	3.4	137	8	1	7	155	2	
13080	1.2	24130	58	1	176	2.6	1	3350	.1	2	6	14100	2940	39	32230	51	5	910	1	70	37	3	11	1	26	4.0	117	7	1	3	69	1	
13081	1.2	29240	43	1	214	3.6	3	560	.1	2	10	14560	4050	47	37780	24	6	750	1	80	39	3	7	3	32	3.7	155	5	1	4	104	1	
13082	1.2	28020	22	1	199	2.9	3	920	.1	2	6	11940	3430	47	37410	23	2	760	1	40	32	2	7	1	29	3.5	118	6	1	2	46	2	
13083	1.2	26860	35	1	243	3.1	2	10	.1	2	7	11760	4900	38	30640	26	7	90	2	50	33	3	5	2	36	3.3	157	7	1	5	111	3	
13084	1.1	18370	33	1	182	2.4	2	730	.1	2	6	9160	4150	22	18300	20	6	70	1	60	31	1	5	2	37	2.4	122	8	1	4	69	2	
13085	1.2	14160	37	1	157	2.2	2	2250	.1	2	6	9000	4100	13	12320	47	10	820	4	50	36	1	8	3	57	2.4	121	8	1	8	163	1	
13086	1.3	11670	32	1	120	2.2	1	13870	.1	1	6	8810	3120	13	12330	142	5	60	1	50	27	1	31	2	37	2.5	100	7	1	3	60	3	
13087	1.3	10680	37	1	170	2.5	2	10410	.1	2	6	8740	3580	9	11150	165	7	40	4	70	27	1	19	1	35	2.8	131	7	1	7	149	7	
13088	1.7	7270	31	1	135	1.7	2	24020	.1	1	5	9020	2930	6	11390	646	4	50	1	50	29	1	68	1	31	2.9	87	7	1	4	73	16	
13089	1.3	11430	31	1	144	1.1	2	33080	.1	6	7	24770	3020	11	17180	892	4	50	1	210	22	1	88	1	24	11.3	93	5	1	4	93	29	
13090	.2	21020	49	9	97	.2	1	22620	.1	10	19	40230	2850	12	15010	1202	1	90	1	1940	19	1	22	1	37	42.8	74	3	1	2	27	5	
13091	.3	18340	19	6	133	.3	1	17590	.1	8	9	29830	3010	9	11890	934	1	160	1	1890	16	1	18	1	42	32.0	67	4	1	2	22	2	
13092	.5	19830	30	5	161	.4	1	22640	.1	10	9	35460	4210	9	14830	1531	1	120	1	1870	22	1	22	1	36	31.3	76	4	1	2	21	4	
13093	.5	21460	27	6	104	.5	1	21130	.1	15	15	41750	4410	9	25180	1406	1	70	1	1420	22	1	18	1	37	41.5	54	2	1	2	23	6	
13094	.3	11560	54	6	91	.4	1	9920	.1	8	7	29600	4560	5	13370	435	1	140	1	1340	14	1	11	1	32	22.4	56	4	1	2	33	3	

91-109

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ111+112
DATE: 91/10/17
* ROCK * (ACT:F31)

91-107

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
13095	.2	9140	154	4	73	.2	1	10540	.1	6	9	26110	3260	4	10590	605	1	70	1	1290	13	2	11	1	21	16.2	52	3	1	2	24	10	
13096	.2	15380	174	3	92	.2	1	8330	.1	7	4	33170	3050	6	12590	542	1	80	1	1360	14	3	10	1	30	20.7	70	3	1	2	17	2	
13097	.6	16550	135	3	101	.3	1	6360	.1	6	10	27610	4190	10	9950	282	1	120	1	1370	15	3	9	1	37	20.3	48	4	1	2	37	3	
13098	.5	18110	172	3	121	.3	1	15580	.1	7	14	29730	4910	6	16450	731	1	130	1	1670	18	1	19	1	51	30.3	49	3	1	2	27	52	
13099	.4	15240	41	2	88	.2	1	14020	.1	16	5	35250	3210	6	14350	705	3	130	1	1950	18	1	18	1	36	27.4	46	4	1	2	22	240	
13100	.2	11870	22	2	109	.2	1	13120	.1	11	3	32750	3410	4	11250	673	1	80	1	1710	15	1	19	1	29	17.4	43	4	1	1	11	1	
13101	.2	18950	27	2	127	.4	1	16440	.1	8	18	36240	4010	8	12810	1013	1	80	1	1440	16	1	21	1	36	25.0	47	4	1	1	18	3	
13102	.2	15110	40	2	94	.3	1	17010	.1	9	2	34070	3540	6	12870	1153	1	100	1	1290	16	1	19	1	30	23.3	45	3	1	2	25	2	
13103	.2	9790	45	3	86	.1	1	16700	.1	11	4	48280	3190	5	12660	918	1	100	1	1610	16	1	23	1	24	23.5	53	1	1	1	22	2	
13104	.4	10640	225	2	106	.1	1	12700	.1	11	4	35720	3810	3	9230	644	1	90	1	1810	16	1	21	1	28	22.3	42	2	1	1	15	188	
13105	3.3	8770	694	1	167	.1	1	7060	.6	11	60	25170	3480	3	3860	260	2	70	1	1420	387	5	19	1	29	18.2	704	1	1	2	51	432	
13106	1.4	8820	413	1	140	.1	1	9100	.1	5	16	18080	3240	3	4450	415	1	130	1	1170	293	2	30	1	32	22.4	58	2	1	3	53	67	
13107	.9	8070	174	1	116	.1	1	9810	.1	6	9	22100	2730	3	5400	546	1	100	1	1030	234	1	24	1	29	17.8	71	2	1	3	56	108	
13108	1.3	7190	664	1	85	.1	1	18150	.1	8	20	25870	2650	2	6830	1081	5	80	1	1500	34	2	74	1	26	28.7	67	3	1	2	24	182	
13109	.8	11900	861	2	163	.1	1	11250	.1	11	16	31450	4920	4	7890	703	1	60	1	1420	53	5	29	1	48	29.3	85	3	1	3	63	296	
13110	.3	15230	95	1	167	.1	1	9840	.1	8	4	27810	4500	7	8200	605	1	110	1	1180	27	1	24	1	53	31.3	64	4	1	3	43	5	
13111	.8	14710	76	2	151	.1	1	11400	.1	10	5	29890	4610	7	8110	576	1	70	1	1360	135	1	41	1	48	28.3	54	3	1	3	42	29	
13112	.5	16480	127	2	167	.1	1	8920	.1	10	4	36060	5170	8	9740	541	1	70	1	1430	171	1	24	1	52	34.5	60	4	1	2	33	53	
13113	.8	14250	117	1	176	.1	1	8460	.1	11	4	30220	5500	5	6570	386	1	80	1	1410	42	1	26	1	55	31.8	46	3	1	2	49	323	
13114	.4	18590	116	2	216	.4	1	8480	.1	9	2	31580	7470	5	7970	421	1	80	1	1790	22	1	17	1	62	36.8	42	3	1	2	32	107	
13115	.8	11300	814	2	131	.1	1	7370	.1	11	7	38470	4190	2	5110	299	1	110	1	1900	102	3	15	1	42	25.9	62	1	1	2	41	202	
13116	.5	13480	88	2	225	.1	1	5700	.1	11	5	39030	5510	3	4030	184	1	170	1	1830	184	1	11	1	54	35.9	47	1	1	3	61	193	
13117	.5	13320	211	2	223	.1	1	7550	.1	9	5	33440	5150	3	6120	432	1	100	1	1670	24	1	13	1	49	31.9	37	2	1	2	39	220	
13118	.4	9430	163	1	149	.1	1	5730	.1	9	5	32760	4440	1	2810	161	1	110	1	1830	15	1	11	1	41	19.1	27	1	1	2	36	230	
13119	1.3	6920	262	3	139	.1	1	5620	.1	9	11	28720	3860	1	1920	159	1	140	1	1560	72	1	15	1	34	19.3	63	1	1	2	49	329	
13120	2.1	5620	187	10	118	.1	1	9760	.1	8	17	28260	3330	1	3620	514	1	150	7	1660	402	1	21	1	30	15.8	44	1	1	4	83	350	
13121	2.0	7660	81	6	140	.1	1	8520	.1	15	19	25830	4170	1	2920	368	1	180	1	2140	239	1	21	1	37	24.7	50	1	1	3	47	223	
13122	2.7	9640	116	6	184	.1	1	8700	.1	16	19	32040	4480	2	2880	293	1	230	1	2360	115	1	29	1	43	29.2	35	1	1	3	61	184	
13123	2.0	11130	124	4	157	.3	1	6490	.1	8	33	24790	4580	2	4430	227	4	270	1	1650	113	1	13	1	36	27.9	412	2	4	2	45	111	225
13124	2.2	17280	36	3	314	.2	1	49700	.1	10	25	37060	3740	11	16490	1895	1	450	1	710	44	1	60	1	30	33.8	60	4	2	2	29	24	155
13125	3.6	20020	47	5	175	.5	1	21280	.1	11	81	38090	4980	21	13530	980	1	470	2	900	57	6	24	1	33	28.9	106	4	2	2	40	22	140
13126	4.4	9760	88	2	143	.6	1	14500	.1	11	119	34190	3510	2	6900	609	1	620	3	900	260	7	20	1	18	15.9	83	1	1	1	18	316	175
13127	4.4	17300	112	3	167	.4	1	13560	.1	11	65	38970	4740	7	13650	893	1	510	2	810	81	7	15	1	32	25.9	166	3	4	2	25	185	125
13128	6.3	7080	308	2	133	.3	1	7570	8.2	10	156	35210	3100	1	2420	213	1	320	2	710	430	11	13	1	18	12.0	1970	1	2	1	25	560	735
13129	2.5	19810	58	3	152	.6	1	16170	.1	12	53	39030	4630	10	10980	611	1	440	4	840	48	5	19	1	32	28.6	108	3	2	1	21	101	200
13130	.5	14150	43	2	85	.2	1	18120	.1	13	42	39100	2310	8	9020	509	1	550	2	890	33	2	22	1	25	22.8	76	3	2	1	13	2	215
13131	.3	19190	35	2	97	.1	1	15700	.1	13	44	43030	2560	12	10200	383	1	510	1	850	28	2	21	1	31	31.0	82	2	2	1	15	1	235
13132	.2	19860	35	3	122	.2	1	17930	.1	13	48	44720	2600	14	10970	424	1	310	1	950	29	1	21	1	37	32.4	86	2	1	1	16	1	285
13133	.2	20220	30	2	86	.3	1	10860	.1	14	51	41550	2490	14	11370	299	1	520	5	900	28	2	12	1	36	32.8	89	3	2	1	14	2	255
13134	.2	19790	20	1	70	.3	1	13130	.1	12	46	43790	2040	15	12450	381	1	650	1	840	24	1	12	1	25	31.3	78	2	2	1	15	1	175
13135	.4	16650	20	1	70	.2	1	18150	.1	12	40	39810	2010	12	10720	511	1	630	1	850	27	1	16	1	26	26.9	90	3	2	1	12	3	260
13136	.2	26530	18	4	245	.1	1	18250	.1	16	46	58910	2820	19	17400	584	4	560	1	1320	27	1	22	1	61	37.6	218	2	2	2	25	1	185
13137	.2	22830	10	4	135	.1	1	15320	.1	12	11	57110	3540	12	15030	526	1	70	1	1530	18	1	30	1	59	35.1	89	4	1	3	51	1	
13138	.5	10930	36	7	411	.7	1	17210	.1	11	34	40840	5580	3	11040	690	1	90	1	1210	19	7	27	1	40	23.9	66	3	1	3	51	2	
13139	.5	13840	17	3	90	.8	1	10370	.1	10	14	37390	4030	9	13940	430	1	60	1	450	22	1	9	1	31	12.7	96	4	1	1	20	1	
13140	.4	14490	21	4	357	.7	1	10180	.1	12	17	40120	5840	10	13750	438	1	80	1	150	20	1	9	1	35	13.3	80	3	1	2	25	1	
13141	.4	20430	16	2	107	.9	1	11100	.1	10	20	40960	4390	14	15140	401	1	50	1	230	16	1	11	1	39	17.6	91	4	1	2	30	1	
13142	.6	14340	46	2	124	.8	1	15840	.1	23	18	39550	3980	10	14420	578	4	50	1	890	32	2	21	1	42	17.5	253	3	1	3	66	2	
13143	1.6	4580	22	1	81	.8	1	44670	.1	2	6	9250	2740	1	11930	525	2	40	1	90	28	1	96	1	17	4.1	24	5	1	4	72	1	
13144	1.5	3810	23	1	79	.7	1	26500	.1	2	8	10140	2270	1	13190	287	2	190	1	70	24	1	60	3	18	3.5	67	6	1	4	96	1	
13145	1.3	3440	21	1	69	.7	1	16470	.1	1	4	6100	2010	1	9790	204	2	240	3	60	22	1	20	2	18	2.7	147	5	1	5	119	1	
13146	1.2	2410	22	1	48	.7	1	15340	.1	1	3	3700	1400	1	9610	233	1	260	2	60	17	1	16	1	12	2.3	85	4	1	5	102	1	
13147	1.1	2370	19	1	54	.6	1	13950	.1	1	3	4930	1470	1	8380	214	1	210	3	50	17	1	15	2	9	2.1	87	4	1	5	110	1	
13148	1.0	6150	31	1	80	1.5	1	6910	.1	1	5	6980	2200	5	6780	59	3	90	1	60	26	1	16	2	9	1.8	87	4	1	3	63	2	
13149	1.3	15710	35	1	80	1.9	1	6860	.1	2	5	10220	1830	33	23940	30	3	110	2	120	27	1	18	2	9	3.0	104	6	1	4	82	1	
13150	.8	18890	86	16	143	.7	5	23440	.1	14	48	36580	2370	18	10820	1052	1	170	1	2010	22	3	41	1	44	42.1	81	5	1	2	21	42	

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-110
PAGE 1 OF 7

TESTS

Meterage	Dip	Azimuth
0	-46.5	230°
61	-44.6°	240.6°
106.1	-44°	241°

COLLAR SURVEY:

Northing: 8750.72
Easting: 9980.85
Elevation: 1081.38
Azimuth: 232°
Dip: -46°
IP Grid Coordinates: 8750N 9970E

CORE BQTW

Section: 8750 N
Date Started: AUG 30/91
Date Finnished: AUG 30/91
Date Logged: SEPT 1/91

Total Depth: 106.07
Casing Depth 1.5
Casing Left In: YES
Logged By: M. ARCHAMBAULT
Comments:

SAMPLE NUMBERS
13150 To 13203
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	1.5	CASING
0.6	30.0	INTERMEDIATE FRAGMENTAL - LAPILLI - KSPAR - SERICITE - PYRITE (1.5 Lb)
30.0	45.0	INTERMEDIATE FLOW – PLAGIOCLASE PORPHYRY (1.6 ØP) +/- (1.5 Lb)
45.0	49.5	INTERMEDIATE FRAGMENTAL - LAPILLI (1.5 Lb)
49.5	53.3	INTERMEDIATE FLOW – PLAGIOCLASE PORPHYRY (1.6 ØP)

0.6-53.3

Lithology: Medium greyish green, slightly foliated
Dark green lapillic varying in size from 2mm to 5cm in general but also contains a few bombs up to 30cm in diameter. The lapillic are angular to sub rounded, matrix supported and form approximately 30% of the interval. They are moderately calcareous. The matrix is lighter green, very fine grained with up to 30% ash fragments, and strongly calcareous

Structure: Weak foliation indicated by the long axes of the lapillic
Foliation: 2.5 m 35° to c.a. — Rusty fractures throughout, but mainly at:
14.5 m 45° to c.a. — 30.4 - 32.3
26.8 m 35° to c.a. — 40.2 - 42.1
40.5 m 45° to c.a. — 43.5 - 45.0 — Slickenside: 42.8 m 35° to c.a.
51.5 m 35° to c.a. — 50.1 - 51.2

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-110 PAGE 2 OF 7
		Alteration: Pervasive calcite: moderate of lapilli, strong of tuff matrix Moderate chlorite 42.0 - 43.0 Moderate clay Pervasive limonite along fractures 1-10 cm on each side
		Mineralization: Trace up to 2% disseminated pyrite generally very fine, but also some euhedral pyrite up to 4mm in diameter
53.3	55.4	INTERMEDIATE FRAGMENTAL - LAPILLI (1.5L)
		Lithology: Lapillis of different tuffaceous composition - beige, pale green, greenish grey and rarely black. Some fragments show a 2-3 mm reaction rim and some are preferentially replaced by pyrite. They vary in size from 4mm to 6 cm but mainly 0.5-2 cm in diameter. They are sub angular to sub rounded in a calcareous (slightly), pyritic tuffaceous matrix
		Alteration: Weak calcite Moderate sericite Strong pyrite
		Structure: Well foliated 30° to c.a. at 54.0 m Contacts are sharp but completely altered to limonite 2 cm wide - upper & 10 cm wide - lower possibly faulted ?

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-110 PAGE 3 OF 7
		Mineralization: Very fine grained semi massive pyrite in the matrix also forming a rim around the fragments and replacing some preferential fragments ≈ 10%	
55.4	61.2	INTERMEDIATE FRAGMENTAL - LAPILLI - K-SPAR - SERICITE - PYRITE (1.5 L b)	
		Lithology: Pale grey to beige with a mottled to banded texture. Very fine grained. Contains ≈10% lapillis up to 2cm long - Well foliated. Strong alteration has obliterated the original texture and composition	
		Structure: Strong foliation 58.0m - 45° to c.a. Broken contacts, rusty fractures. Slickenside 57.8m - 25° to c.a.	
		Alteration: Strong sericite in bands. Trace chlorite in a few bands. Strong clay in bands	
		Mineralization: Trace disseminated pyrite, generally absent	
61.2	63.7	INTERMEDIATE FRAGMENTAL - LAPILLI (1.5L) +/- INTERMEDIATE FRAGMENTAL AND CLASTIC BRECCIA (1.7)	
		Lithology: Lapillis of mainly beige colour tuff with minor grey, green, and black smaller lapillis. Beige coloured fragments vary from 2mm to 6cm in diameter. Other types are < 1cm in diameter. Heterolithic fragments form ≈10% of the fragments. Lapillis form 30-40% of the intervals. Matrix is very fine grained, moderately siliceous and pyritic pale to medium grey	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
		Structure: Strongly foliated 63.0m 40° to c.a
		Alteration: Moderate sericite Weak clay Strong pyrite of the matrix
		Mineralization: Very fine grained disseminated pyrite in the matrix ≈ 5% Bands of disseminated sphalerite with lesser galena and pyrite, 1-5 mm wide in late fractures sub-parallel to the foliation but not necessarily i.e at lower angle to c.a 62.7m - partly 0° to c.a and partly in foliation 64.2m - 30 & 50° to c.a Overall ≈ 1% combined sphalerite + galena
63.7	75.5	INTERMEDIATE FLOW - PLAGIOCLASE PORPHYRY (1.6 ØP)
		Lithology: 63.7-65.9 Beige colour with plagioclase grains 2mm - 3cm in diameter ≈ 0-30% Alteration has obliterated original composition and most of the texture 63.8-64.0 as previous unit
		Structure: Faulted upper contact 40° to c.a, gradational lower contact Fault zone 65.2-65.7m strong foliation, several slickensides 40-50° to c.a
		Alteration: Weak sericite, moderate clay, weak silica - irregular quartz pods and veins <3 cm wide at 65.9.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-110 PAGE 5 OF 7
		Mineralization: Fine grained disseminated pyrite < 0.5%	
75.5	78.0	INTERMEDIATE FRAGMENTAL - LAPILLI (1.5L)	
78.0	84.7	INTERMEDIATE FLOW - PLAGIOCLASE PORPHYRY (1.6 ϕp)	
		Lithology: Largely obliterated by alteration - Medium greyish green, massive lapilli fragments 2 mm - 7 cm in diameter form approximately 30% of the interval in an aphanitic to fine grained matrix of similar composition	
		Structure: Slickenside 74.8 m 30° To c.a.	
		Alteration: Moderate pervasive silicification with ≈1% of irregular quartz veinlets and pods < 1 cm with Weak chlorite. Minor purple fluorite blebs and pods + 1 cubic crystal down to 77.1 m	
		Mineralization: Finely disseminated pyrite 3-5%	
		83.7-84.7 CONTACT ZONE - ANDESITE / MUDSTONE	
		Lithology: Highly foliated, alternating bands of andesitic tuff and mudstone from laminations < 1 mm wide to 5 cm wide	
		Structure: Strong foliation: 40° To c.a. Slickenside: 84.5 m 35° in a different orientation than the foliation.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	HOLE 91-110 PAGE 6 OF 7
		Alteration: Strong sericite of the tuffaceous bands Minor irregular quartz veinlets	
		Mineralization: Pyrite in laminations: 2%	
84.7	94.6	QUARTZ AND LITHIC WACKE (2.6) +/- BLACK TUFFACEOUS MUDSTONE (2.8) 88.0-89.0 - 92.0-93.0 - QUARTZ AND LITHIC WACKE (2.6)	
		Lithology: Normally consists of a muddy siltstone, 70% finely laminated, tuffaceous in places (very light greenish tint) with mudstone laminations and beds ≈ 30%. Minor greywacke. All beds grade into each other and beds are not well defined	
		Structure: Fault zone 86.2 - 86.5 m - numerous slickensides 0-30° to c.a., minor gouge with 10 cm wide, white quartz vein, barren with small wallrock fragments	
		Alteration: Quartz veinlets, white, barren < 5 mm wide, various orientations Mineralization: Pyrite in laminations and disseminated 84.7 - 88.0 ≈ 5% 88.0 - 94.6 ≈ 1%	
94.6	106.07	BLACK TUFFACEOUS MUDSTONE (2.8)	
		Lithology: Black, massive but fissile, weakly to moderately calcareous in places. Trace of fossil debris	
		Structure: Strong cleavage 40° to c.a. at 100 m 65° to c.a. at 103 m. | Slickensides along cleavage 98.5 m 0-30° to c.a. - several slickensides.	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-110 PAGE 6 OF 7
		Alteration: Strong sericite of the tuffaceous bands Minor irregular quartz veinlets
		Mineralization: Pyrite in laminations: 2%
84.7	94.6	QUARTZ AND LITHIC WACKE (2.6) +/- BLACK TUFFACEOUS MUDSTONE (2.8) 88.0-89.0 - 92.0-93.0 - QUARTZ AND LITHIC WACKE (2.6)
		Lithology: Generally consists of a muddy siltstone, 70% finely laminated, tuffaceous in places (very light greenish tint) with mudstone laminations and beds ≈ 30%. Minor greywacke. All beds grade into each other and beds are not well defined
		Structure: Fault zone 86.2 - 86.5 m - numerous slickensides 0-30° to c.a., minor gouge with 10 cm wide, white quartz vein, barren with small wallrock fragments
		Alteration: Quartz veinlets, white, barren < 5 mm wide, various orientations Mineralization: Pyrite in laminations and disseminated 84.7-88.0 ≈ 5% 88.0-94.6 ≈ 1%
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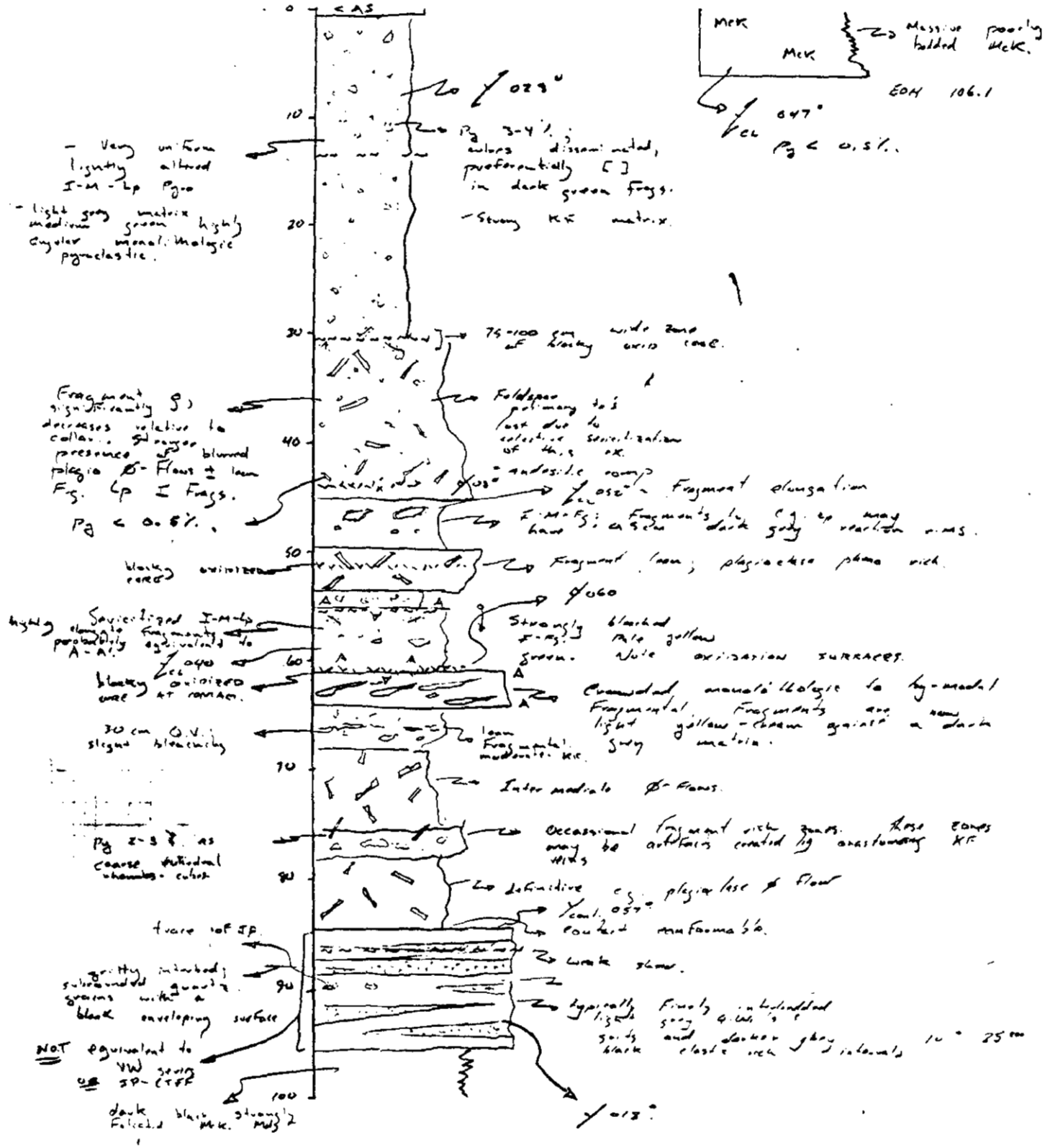
		Lithology: Black, massive but fissile, weakly to moderately calcareous in places. Trace of fossil debris
		Structure: Strong cleavage 40° to c.a. at 100 m 65° to c.a. at 103 m Slickensides along cleavage 98.5 m 0-30° to c.a. - several slickensides.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization HOLE 91-110 PAGE 7 OF 7
		Alteration: Quartz - calcite veinlets < 2 mm wide 4%
		Mineralization: Trace of disseminated pyrite in calcite veinlets
		106.07 End of hole

DDH 91-110.



No VW sequence in this borehole.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-110	13150	0.60	2.00	1.40	-	-	42	-	-	0.8	86	3	143	-	48	22	81	36580	23440
91-110	13151	2.00	4.00	2.00	-	-	50	-	-	0.1	46	1	190	-	11	18	66	41620	14600
91-110	13152	4.00	6.00	2.00	-	-	58	-	-	0.4	52	1	177	-	7	18	53	36680	31990
91-110	13153	6.00	8.00	2.00	-	-	40	-	-	0.4	36	1	117	-	42	17	68	41470	46230
91-110	13154	8.00	10.00	2.00	-	-	38	-	-	0.2	21	1	107	-	12	17	59	42900	44690
91-110	13155	10.00	12.00	2.00	-	-	57	-	-	0.2	26	1	121	-	7	17	67	41300	38300
91-110	13156	12.00	14.00	2.00	-	-	17	-	-	0.3	29	1	140	-	9	18	60	38940	27370
91-110	13157	14.00	16.00	2.00	-	-	31	-	-	0.4	24	1	83	-	32	18	47	37570	48410
91-110	13158	16.00	18.00	2.00	-	-	38	-	-	0.5	20	1	85	-	27	15	57	41750	41310
91-110	13159	18.00	20.00	2.00	-	-	40	-	-	0.2	28	1	107	-	11	18	61	40990	22460
91-110	13160	20.00	22.00	2.00	-	-	30	-	-	0.4	54	1	138	-	9	17	240	35660	21750
91-110	13161	22.00	24.00	2.00	-	-	17	-	-	0.4	35	1	225	-	11	17	69	32660	23010
91-110	13162	24.00	26.00	2.00	-	-	18	-	-	0.5	28	1	145	-	7	23	38	32930	46590
91-110	13163	26.00	28.00	2.00	-	-	37	-	-	0.3	28	1	183	-	7	22	38	37500	29150
91-110	13164	28.00	30.00	2.00	-	-	42	-	-	0.6	71	1	141	-	6	22	39	32760	27420
91-110	13165	30.00	32.00	2.00	-	-	68	-	-	0.5	154	1	248	-	6	21	57	33100	15810
91-110	13166	32.00	34.00	2.00	-	-	40	-	-	0.1	35	1	106	-	6	17	92	62350	44910
91-110	13167	34.00	36.00	2.00	-	-	42	-	-	0.2	17	1	162	-	4	14	69	44330	41150
91-110	13168	36.00	38.00	2.00	-	-	30	-	-	0.4	21	1	149	-	3	17	61	39860	46080
91-110	13169	38.00	40.00	2.00	-	-	10	-	-	0.2	19	1	212	-	11	19	74	46540	40550
91-110	13170	40.00	42.00	2.00	-	-	12	-	-	0.1	19	1	175	-	6	16	74	40970	22050
91-110	13171	42.00	44.00	2.00	-	-	1	-	-	0.4	53	1	114	-	5	14	66	36890	36360
91-110	13172	44.00	46.00	2.00	-	-	1	-	-	0.1	13	1	125	-	2	12	72	37200	27980
91-110	13173	46.00	48.00	2.00	-	-	13	-	-	0.4	44	1	94	-	3	13	53	32620	25210
91-110	13174	48.00	50.00	2.00	-	-	17	-	-	0.4	43	1	104	-	13	16	60	33420	38710
91-110	13175	50.00	52.00	2.00	-	-	3	-	-	0.6	26	1	162	-	52	15	71	36410	26760
91-110	13176	52.00	54.00	2.00	-	-	38	-	-	1.2	24	1	166	-	48	25	56	31380	29040
91-110	13177	54.00	56.00	2.00	-	-	41	-	-	1.1	29	2	139	-	23	28	34	37810	19970
91-110	13178	56.00	58.00	2.00	-	-	20	-	-	0.4	54	1	176	-	5	14	51	36290	20560
91-110	13179	58.00	60.00	2.00	-	-	13	-	-	0.4	21	1	167	-	4	20	56	31730	19670
91-110	13180	60.00	61.00	1.00	-	-	1	-	-	0.8	71	2	180	-	41	32	93	35900	24130
91-110	13181	61.00	62.00	1.00	-	-	61	-	-	2.5	44	5	149	-	27	2873	8068	44490	11140
91-110	13182	62.00	63.70	1.70	-	-	70	-	-	1.7	38	4	176	-	13	2150	6284	52530	12830
91-110	13183	63.70	66.00	2.30	-	-	19	-	-	0.6	80	3	259	-	32	61	145	35590	17800
91-110	13184	66.00	68.00	2.00	-	-	31	-	-	0.4	32	1	149	-	24	26	52	34540	7910
91-110	13185	68.00	70.00	2.00	-	-	90	-	-	0.3	26	1	148	-	17	18	55	40820	10510
91-110	13186	70.00	72.00	2.00	-	-	37	-	-	0.5	26	1	137	-	10	17	51	34940	13330
91-110	13187	72.00	74.00	2.00	-	-	80	-	-	0.4	19	1	107	-	5	18	47	41200	10690
91-110	13188	74.00	76.00	2.00	-	-	42	-	-	0.3	80	1	316	-	8	23	116	39970	9060
91-110	13189	76.00	78.00	2.00	-	-	21	-	-	0.5	35	1	118	-	11	18	23	36620	6500
91-110	13190	78.00	80.00	2.00	-	-	60	-	-	0.6	51	1	94	-	20	21	68	43670	9160
91-110	13191	80.00	82.00	2.00	-	-	356	-	-	0.5	54	1	116	-	11	20	41	50580	12500
91-110	13192	82.00	84.00	2.00	-	-	36	-	-	0.6	23	1	154	-	15	34	96	32240	9170
91-110	13193	84.00	86.00	2.00	1.21	0.035	1270	-	-	1.7	133	1	179	-	43	109	292	37290	9260
91-110	13194	86.00	88.00	2.00	-	-	360	-	-	0.9	144	1	155	-	17	33	20	45230	2750
91-110	13195	88.00	90.00	2.00	-	-	511	-	-	1.1	93	1	200	-	20	81	147	40220	3120
91-110	13196	90.00	92.00	2.00	-	-	120	-	-	2.3	53	2	172	-	16	60	58	28840	8320
91-110	13197	92.00	94.00	2.00	-	-	103	-	-	0.9	50	1	205	-	18	31	136	37540	3070
91-110	13198	94.00	96.00	2.00	-	-	42	-	-	2.0	55	1	200	140	12	32	60	28420	41850
91-110	13199	96.00	98.00	2.00	-	-	121	-	-	3.7	68	5	185	135	34	56	63	37280	9970
91-110	13200	98.00	100.00	2.00	-	-	102	-	-	4.7	75	4	190	185	48	55	69	41950	4120

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-110	13201	100.00	102.00	2.00	-	-	61	-	-	4.3	54	3	121	175	37	52	74	40290	4280
91-110	13202	102.00	104.00	2.00	-	-	37	-	-	3.3	43	1	109	140	30	34	67	36370	21880
91-110	13203	104.00	106.70	2.70	-	-	21	-	-	2.4	35	1	122	130	33	33	74	34920	21200

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ111+11
DATE: 91/10/1
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
13095	.2	9140	154	4	73	.2	1	10540	.1	6	9	26110	3260	4	10590	605	1	70	1	1290	13	2	11	1	21	16.2	52	3	1	2	24	10	
13096	.2	15380	174	3	92	.2	1	8330	.1	7	4	33170	3050	6	12590	542	1	80	1	1360	14	3	10	1	30	20.7	70	3	1	2	17	2	
13097	.6	16550	135	3	101	.3	1	6360	.1	6	10	27610	4190	10	9950	282	1	120	1	1370	15	3	9	1	37	20.3	48	4	1	2	37	3	
13098	.5	18110	172	3	121	.3	1	15580	.1	7	14	29730	4910	6	16450	731	1	130	1	1670	18	1	19	1	51	30.3	49	3	1	2	27	52	
13099	.4	15240	41	2	88	.2	1	14020	.1	16	5	35250	3210	6	14350	705	3	130	1	1950	18	1	18	1	36	27.4	46	4	1	2	22	240	
13100	.2	11870	22	2	109	.2	1	13120	.1	11	3	32750	3410	4	11250	673	1	80	1	1710	15	1	19	1	29	17.4	43	4	1	1	11	1	
13101	.2	18950	27	2	127	.4	1	16440	.1	8	18	36240	4010	8	12810	1013	1	80	1	1440	16	1	21	1	36	25.0	47	4	1	1	18	3	
13102	.2	15110	40	2	94	.3	1	17010	.1	9	2	34070	3540	6	12870	1153	1	100	1	1290	16	1	19	1	30	23.3	45	3	1	2	25	2	
13103	.2	9790	45	3	86	.1	1	16700	.1	11	4	48280	3190	5	12660	918	1	100	1	1610	16	1	23	1	24	23.5	53	1	1	1	22	2	
13104	.4	10640	225	2	106	.1	1	12700	.1	11	4	35720	3810	3	9230	644	1	90	1	1810	16	1	21	1	28	22.3	42	2	1	1	15	188	
13105	3.3	8770	694	1	167	.1	1	7060	.6	11	60	25170	3480	3	3860	260	2	70	1	1420	387	5	19	1	29	18.2	704	1	1	2	51	432	
13106	1.4	8820	413	1	140	.1	1	9100	.1	5	16	18080	3240	3	4450	415	1	130	1	1170	293	2	30	1	32	22.4	58	2	1	3	53	67	
13107	.9	8070	174	1	116	.1	1	9810	.1	6	9	22100	2730	3	5400	546	1	100	1	1030	234	1	24	1	29	17.8	71	2	1	3	56	108	
13108	1.3	7190	664	1	85	.1	1	18150	.1	8	20	25870	2650	2	6830	1081	5	80	1	1500	34	2	74	1	26	28.7	67	3	1	2	24	182	
13109	.8	11900	861	2	163	.1	1	11250	.1	11	16	31450	4920	4	7890	703	1	60	1	1420	53	5	29	1	48	29.3	85	3	1	3	63	296	
13110	.3	15230	95	1	167	.1	1	9840	.1	8	4	27810	4500	7	8200	605	1	110	1	1180	27	1	24	1	53	31.3	64	4	1	3	43	5	
13111	.8	14710	76	2	151	.1	1	11400	.1	10	5	29890	4610	7	8110	576	1	70	1	1360	135	1	41	1	48	28.3	54	3	1	3	42	29	
13112	.5	16480	127	2	167	.1	1	8920	.1	10	4	36060	5170	8	9740	541	1	70	1	1430	171	1	24	1	52	34.5	60	4	1	2	33	53	
13113	.8	14250	117	1	176	.1	1	8460	.1	11	4	30220	5500	5	6570	386	1	80	1	1410	42	1	26	1	55	31.8	46	3	1	2	49	323	
13114	.4	18590	116	2	216	.4	1	8480	.1	9	2	31580	7470	5	7970	421	1	80	1	1790	22	1	17	1	62	36.8	42	3	1	2	32	107	
13115	.8	11300	814	2	131	.1	1	7370	.1	11	7	38470	4190	2	5110	299	1	110	1	1900	102	3	15	1	42	25.9	62	1	1	2	41	202	
13116	.5	13480	88	2	225	.1	1	5700	.1	11	5	39030	5510	3	4030	184	1	170	1	1830	184	1	11	1	54	35.9	47	1	1	3	61	193	
13117	.5	13320	211	2	223	.1	1	7550	.1	9	5	33440	5150	3	6120	432	1	100	1	1670	24	1	13	1	49	31.9	37	2	1	2	39	220	
13118	.4	9430	163	1	149	.1	1	5730	.1	9	5	32760	4440	1	2810	161	1	110	1	1830	15	1	11	1	41	19.1	27	1	1	2	36	230	
13119	1.3	6920	262	3	139	.1	1	5620	.1	9	11	28720	3860	1	1920	159	1	140	1	1560	72	1	15	1	34	19.3	63	1	1	2	49	329	
13120	2.1	5620	187	10	118	.1	1	9760	.1	8	17	28260	3330	1	3620	514	1	150	7	1660	402	1	21	1	30	15.8	44	1	1	4	83	350	
13121	2.0	7660	81	6	140	.1	1	8520	.1	15	19	25830	4170	1	2920	368	1	180	1	2140	239	1	21	1	37	24.7	50	1	1	3	47	223	
13122	2.7	9640	116	6	184	.1	1	8700	.1	16	19	32040	4480	2	2880	293	1	230	1	2360	115	1	29	1	43	29.2	35	1	1	3	61	184	
13123	2.0	11130	124	4	157	.3	1	6490	.1	8	33	24790	4580	2	4430	227	4	270	1	1650	113	1	13	1	36	27.9	412	2	4	2	45	111	225
13124	2.2	17280	36	3	314	.2	1	49700	.1	10	25	37060	3740	11	16490	1895	1	450	1	710	44	1	60	1	30	33.8	60	4	2	2	29	24	155
13125	3.6	20020	47	5	175	.5	1	21280	.1	11	81	38090	4980	21	13530	980	1	470	2	900	57	6	24	1	33	28.9	106	4	2	2	40	22	140
13126	4.4	9760	88	2	143	.6	1	14500	.1	11	119	34190	3510	2	6900	609	1	620	3	900	260	7	20	1	18	15.9	83	1	1	1	18	316	175
13127	4.4	17300	112	3	167	.4	1	13560	.1	11	65	38970	4740	7	13650	893	1	510	2	810	81	7	15	1	32	25.9	166	3	4	2	25	185	125
13128	6.3	7080	308	2	133	.3	1	7570	8.2	10	156	35210	3100	1	2420	213	1	320	2	710	430	11	13	1	18	12.0	1970	1	2	1	25	560	735
13129	2.5	19810	58	3	152	.6	1	16170	.1	12	53	39030	4630	10	10980	611	1	440	4	840	48	5	19	1	32	28.6	108	3	2	1	21	101	200
13130	.5	14150	43	2	85	.2	1	18120	.1	13	42	39100	2310	8	9020	509	1	550	2	890	33	2	22	1	25	22.8	76	3	2	1	13	2	215
13131	.3	19190	35	2	97	.1	1	15700	.1	13	44	43030	2560	12	10200	383	1	510	1	850	28	2	21	1	31	31.0	82	2	2	1	15	1	235
13132	.2	19860	35	3	122	.2	1	17930	.1	13	48	44720	2600	14	10970	424	1	310	1	950	29	1	21	1	37	32.4	86	2	1	1	16	1	285
13133	.2	20220	30	2	86	.3	1	10860	.1	14	51	41550	2490	14	11370	299	1	520	5	900	28	2	12	1	36	32.8	89	3	2	1	14	2	255
13134	.2	19790	20	1	70	.3	1	13130	.1	12	46	43790	2040	15	12450	381	1	650	1	840	24	1	12	1	25	31.3	78	2	2	1	15	1	175
13135	.4	16650	20	1	70	.2	1	18150	.1	12	40	39810	2010	12	10720	511	1	630	1	850	27	1	16	1	26	26.9	90	3	2	1	12	3	260
13136	.2	26530	18	4	245	.1	1	18250	.1	16	46	58910	2820	19	17400	584	4	560	1	1320	27	1	22	1	61	37.6	218	2	2	2	25	1	185
13137	.2	22830	10	4	135	.1	1	15320	.1	12	11	57110	3540	12	15030	526	1	70	1	1530	18	1	30	1	59	35.1	89	4	1	3	51	1	
13138	.5	10930	36	7	411	.7	1	17210	.1	11	34	40840	5580	3	11040	690	1	90	1	1210	19	7	27	1	40	23.9	66	3	1	3	51	2	
13139	.5	13840	17	3	90	.8	1	10370	.1	10	14	37390	4030	9	13940	430	1	60	1	450	22	1	9	1	31	12.7	96	4	1	1	20	1	
13140	.4	14490	21	4	357	.7	1	10180	.1	12	17	40120	5840	10	13750	438	1	80	1	150	20	1	9	1	35	13.3	80	3	1	2	25	1	
13141	.4	20430	16	2	107	.9	1	11100	.1	10	20	40960	4390	14	15140	401	1	50	1	230	16	1	11	1	39	17.6	91	4	1	2	30	1	
13142	.6	14340	46	2	124	.8	1	15840	.1	23	18	39550	3980	10	14420	578	4	50	1	890	32	2	21	1	42	17.5	253	3	1	3	66	2	
13143	1.6	4580	22	1	81	.8	1	44670	.1	2	6	9250	2740	1	11930	525	2	40	1	90	28	1	96	1	17	4.1	24	5	1	4	72	1	
13144	1.5	3810	23	1	79	.7	1	26500	.1	2	8	10140	2270	1	13190	287	2	190	1	70	24	1	60	3	18	3.5	67	6	1	4	96	1	
13145	1.3	3440	21	1	69	.7	1	16470	.1	1	4	6100	2010	1	9790	204	2	240	3	60	22	1	20	2	18	2.7	147	5	1	5	119	1	
13146	1.2	2410	22	1	48	.7	1	15340	.1	1	3	3700	1400	1	9610	233	1	260	2	60	17	1	16	1	12	2.3	85	4	1	5	102	1	
13147	1.1	2370	19	1	54	.6	1	13950	.1	1	3	4930	1470	1	8380	214	1	210	3	50	17	1	15	2	9	2.1	87	4	1	5	110	1	
13148	1.0	6150	31	1	80	1.5	1	6910	.1	1	5	6980	2200	5	6780	59	3	90	1	60	26	1	16	2	9	1.8	87	4	1	3	63	2	
13149	1.3	15710	35	1	80	1.9	1	6860	.1	2	5	10220	1830	33	23940	30	3	110	2	120	27	1	18	2	9	3.0	104	6	1	4	82	1	
13150	.8	18890	86	16	143	.7	5	23440	.1	14	48	36580	2370	18	10820	1052	1	170	1	2010	22	3	41	1	44	42.1	81	5	1	2	21	42	

COMP: COPELAND,REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1V-9000-RJ113+11
DATE: 91/10/1
* ROCK * (ACT:F31

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB	HG PPB
13151	.1	17930	46	10	190	.5	3	14600	.1	13	11	41620	2230	13	12650	876	1	170	1	2040	18	1	25	1	33	42.6	66	4	1	3	30	50	
13152	.4	17120	52	7	177	.4	3	31990	.1	11	7	36680	2100	11	11240	1249	1	170	1	2040	18	1	49	1	35	41.3	53	5	1	2	18	58	
13153	.4	17690	36	6	117	.1	3	46230	.1	12	42	41470	2240	11	11440	1291	1	170	1	1760	17	1	61	1	38	38.3	68	6	1	2	22	40	
13154	.2	17560	21	5	107	.1	3	44690	.1	13	12	42900	2150	11	12260	1497	1	130	1	1910	17	1	56	1	34	42.0	59	5	1	2	14	38	
13155	.2	17390	26	4	121	.1	3	38300	.1	14	7	41300	1920	11	14000	1351	1	160	1	1930	17	1	55	1	29	41.9	67	5	1	2	27	57	
13156	.3	16310	29	4	140	.1	3	27370	.1	13	9	38940	1640	10	13380	1254	1	140	1	1880	18	1	50	1	28	37.3	60	5	1	2	19	17	
13157	.4	16390	24	4	83	.1	3	48410	.1	16	32	37570	1520	10	13070	1644	1	140	1	1790	18	1	68	1	27	41.6	47	6	1	3	36	31	
13158	.5	18930	20	4	85	.1	3	41310	.1	16	27	41750	1510	11	13670	1456	1	150	1	1940	15	1	62	1	32	50.8	57	5	1	2	16	38	
13159	.2	17180	28	4	107	.2	2	22460	.1	13	11	40990	1860	9	11850	1233	1	220	1	1810	18	1	47	1	32	47.9	61	5	1	3	55	40	
13160	.4	12830	54	3	138	.1	2	21750	.1	10	9	35660	2090	7	8330	994	1	180	1	1830	17	1	52	1	35	31.6	240	5	1	2	30	30	
13161	.4	16350	35	3	225	.3	3	23010	.1	9	11	32660	2260	9	10790	1261	1	200	1	1800	17	1	48	1	37	31.1	69	6	1	3	57	17	
13162	.5	12660	28	3	145	.1	2	46590	.1	9	7	32930	2190	7	8660	1408	1	170	1	1660	23	1	64	1	38	26.9	38	5	1	2	36	18	
13163	.3	11850	28	3	183	.1	3	29150	.1	11	7	37500	2800	6	7310	933	1	200	1	1940	22	1	50	1	41	30.9	38	4	1	3	46	37	
13164	.6	13940	71	3	141	.2	3	27420	.1	11	6	32760	2220	8	9380	981	1	190	1	1840	22	1	53	1	32	28.4	39	6	1	2	21	42	
13165	.5	15570	154	3	248	.2	2	15810	.1	9	6	33100	1990	9	10810	658	1	210	1	1950	21	1	27	1	22	29.7	57	6	1	3	50	68	
13166	.1	30860	35	5	106	.1	3	44910	.1	16	6	62350	1560	18	20870	1790	1	130	1	1710	17	1	57	1	45	65.1	92	5	1	2	21	40	
13167	.2	25410	17	4	162	.1	3	41150	.1	14	4	44330	2050	16	18560	1377	1	130	1	2070	14	1	53	1	35	50.1	69	5	1	2	33	42	
13168	.4	22890	21	3	149	.1	3	46080	.1	13	3	39860	2230	14	15370	1438	1	150	1	2010	17	1	61	1	36	50.2	61	6	1	2	30	30	
13169	.2	25460	19	4	212	.1	3	40550	.1	16	11	46540	2790	15	15530	1493	1	210	1	2120	19	1	53	1	43	58.0	74	6	1	3	45	10	
13170	.1	18420	19	3	175	.2	3	22050	.1	14	6	40970	1870	13	12950	1109	1	130	1	2090	16	1	37	1	24	42.5	74	5	1	2	21	12	
13171	.4	7340	53	4	114	.2	2	36360	.1	14	5	36890	2050	10	12170	1429	1	140	1	1970	14	1	49	1	14	30.5	66	5	1	2	17	1	
13172	.1	16750	13	3	125	.2	3	27980	.1	12	2	37200	1780	12	13110	1321	1	150	1	1950	12	1	45	1	23	37.3	72	5	1	2	15	1	
13173	.4	16030	44	2	94	.2	2	25210	.1	9	3	32620	1640	10	11560	1026	1	190	1	1750	13	1	44	1	24	31.8	53	6	1	2	22	13	
13174	.4	16850	43	3	104	.1	3	38710	.1	10	13	33420	1860	10	12300	1271	1	200	1	1710	16	1	53	1	26	37.1	60	6	1	2	25	17	
13175	.6	18130	26	3	162	.2	2	26760	.1	15	52	36410	2550	11	11880	1288	2	200	1	2100	15	1	47	1	33	49.2	71	5	1	2	27	3	
13176	1.2	12280	24	3	166	.3	3	29040	.1	15	48	31380	2870	7	8760	1149	4	170	1	2170	25	1	48	1	30	31.0	56	6	1	2	27	38	
13177	1.1	6030	29	4	139	.1	2	19970	.1	14	23	37810	2780	3	4820	726	5	180	1	2000	28	2	36	1	22	19.3	34	3	2	2	30	41	
13178	.4	6700	54	5	176	.2	2	20560	.1	10	5	36290	3370	7	8150	1111	1	190	1	2020	14	1	35	1	17	24.2	51	4	1	4	61	20	
13179	.4	5520	21	4	167	.2	2	19670	.1	9	4	31730	2840	3	7000	1081	1	210	1	1980	20	1	32	1	19	20.7	56	4	1	2	18	13	
13180	.8	10550	71	12	180	.2	1	24130	.1	10	41	35900	3710	8	8450	1402	1	280	1	1970	32	2	41	1	41	31.5	93	4	1	3	45	1	
13181	2.5	8860	44	10	149	.1	1	11140	56.2	12	27	44490	3140	7	12700	981	10	150	1	1270	2873	5	17	1	23	25.5	8068	3	1	2	30	61	
13182	1.7	10260	38	8	176	.1	1	12830	41.2	14	13	52530	4090	8	15410	1158	7	160	1	1320	2150	4	20	1	25	29.1	6284	3	1	1	44	70	
13183	.6	8470	80	13	259	.1	1	17800	.1	10	32	35590	4850	1	13350	1009	1	110	1	1670	61	3	41	1	16	24.1	145	4	1	2	27	19	
13184	.4	8470	32	5	149	.1	1	7910	.1	11	24	34540	3980	3	9720	500	1	220	1	2020	26	1	17	1	29	27.2	52	4	1	3	72	31	
13185	.3	10810	26	4	148	.1	1	10510	.1	12	17	40820	3820	5	11690	765	1	260	1	1830	18	1	21	1	38	34.4	55	4	1	1	23	90	
13186	.5	14490	26	3	137	.1	3	13330	.1	9	10	34940	3070	10	15030	1015	1	300	1	1800	17	1	30	1	41	47.9	51	5	1	4	93	37	
13187	.4	11690	19	2	107	.1	1	10690	.1	10	5	41200	2590	7	14200	927	1	210	1	1730	18	1	20	1	35	40.6	47	4	1	2	28	80	
13188	.3	8340	80	7	316	.1	1	9060	.1	12	8	39970	3430	3	9960	633	1	230	1	1920	23	1	25	1	19	28.5	116	3	1	4	93	42	
13189	.5	12630	35	1	118	.1	1	6500	.1	10	11	36620	2990	7	10000	588	2	290	1	1750	18	1	13	1	41	38.0	23	6	1	2	35	21	
13190	.6	18720	51	1	94	.1	1	9160	.1	12	20	43670	2050	14	14770	987	1	420	1	1840	21	1	24	1	47	69.3	68	7	1	4	70	60	
13191	.5	18120	54	2	116	.1	1	12500	.1	13	11	50580	2620	13	13790	1191	1	310	1	2040	20	1	37	1	52	64.6	41	6	1	2	23	356	
13192	.6	14830	23	1	154	.2	1	9170	.1	9	15	32240	3980	8	9210	682	1	260	1	1970	34	1	24	1	56	41.8	96	6	1	3	65	36	
13193	1.7	13070	133	2	179	.5	1	9260	.1	12	43	37290	5330	4	9300	756	3	60	1	1090	109	1	20	1	36	24.0	292	5	1	2	34	1270	
13194	.9	9300	144	2	155	.1	1	2750	.1	17	17	45230	4080	3	4200	378	2	100	1	450	33	1	5	1	30	25.3	20	2	1	3	79	360	
13195	1.1	9940	93	2	200	.3	1	3120	.1	13	20	40220	4470	3	5910	567	3	70	1	750	81	1	7	1	26	20.2	147	3	1	2	39	511	
13196	2.3	6270	53	2	172	.1	1	8320	.1	12	16	28840	3300	1	6880	715	3	160	1	530	60	2	25	1	14	15.0	58	5	1	2	51	120	
13197	.9	12860	50	2	205	.1	1	3070	.1	9	18	37540	3760	8	8870	526	2	120	1	560	31	1	6	1	30	25.1	136	3	1	2	33	103	
13198	2.0	13210	55	1	200	.2	1	41850	.1	8	12	28420	3840	7	23550	2169	2	180	1	650	32	1	66	1	33	32.6	60	4	1	2	47	42	140
13199	3.7	19510	68	2	185	.4	1	9970	.1	11	34	37280	4840	10	15820	744	3	60	1	840	56	5	13	1	41	26.4	63	4	1	2	44	121	135
13200	4.7	19160	75	2	190	.5	1	4120	.1	13	48	41950	4250	11	10410	362	2	110	5	910	55	4	8	1	35	27.5	69	3	1	3	66	102	185
13201	4.3	19870	54	2	121	.3	1	4280	.1	12	37	40290	3120	14	12830	383	1	1300	2	850	52	3	8	1	29	26.5	74	5	1	1	25	61	175
13202	3.3	17290	43	1	109	.2	1	21880	.1	10	30	36370	2880	12	9910	681	1	900	4	780	34	1	29	1	27	23.5	67	4	1	2	48	37	140
13203	2.4	18680	35	1	122	.3	1	21200	.1	11	33	34920	2970	14	11280	643	1	960	3	830	33	1	29	1	25	24.0	74	4	1	1	25	21	130
46901	.6	5030	215	8	89	1.6	1	6140	.1	11	28	40580	3210	1	6930	401	10	380	9	630	32	27	14	1	14	8.3	142	1	1	2	23	104	
46902	1.9	6730	114	8	110	1.5	1	9360	.1	12	28	36290	4150	1	4690	318	3	260	3	810	36	30	20	1	16	9.7	59	1	1	2	43	65	
46903	1.3	6680	111	8	84	1.5	1	21950	.1	15	36	41070	4130	1	10580	587	8	490	18	410	33	29	53	1	17	15.7	83	1	1	3	52	42	

91-110

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
205 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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FAX (604) 847-3005

91-110

Assay Certificate

1S-0717-RA1

Company: COPELAND REBAGLIATI & ASSOC.
Project: 9101
Attn: MARK REBAGLIATI 91-110

Date: SEP-16-91
Copy 1. COPELAND REBAGLIATI, VANCOUVER, B.C.
2. COPELAND REBAGLIAITI, C/O MIN-EN LAB.

We hereby certify the following Assay of 1 CORE samples submitted SEP-07-91 by DARREN WILSON.

Sample Number	AU g/tonne
13193	1.21

Certified by _____

MIN-EN LABORATORIES

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-111
PAGE 1 OF 4

TESTS

Meterage	Dip	Azimuth
0	51°	295°

COLLAR SURVEY:
Northing: 8830
Easting: [illegible]
Elevation: [illegible]
Azimuth:
Dip:
IP Grid Coordinates: 88+30N, 102+76E

CORE
Section: 8830N
Date Started: Oct 6-91
Date Finnished: Oct 6-91
Date Logged: Oct 7-91

Total Depth: 45.7
Casing Depth 6.1
Casing Left In: ✓
Logged By: J. Oliver
Comments:

SAMPLE NUMBERS
13208 To 13229
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	6.1	CASENCE
6.1	6.6	MEDIUM GREY POLYLITHIC LITHIC WACKE
		Highly elongate black clastic fragments (0.5 x 1.5 cm's); Fine clay to silt sized matrix components and lesser quartz grains characterize the rock mass. The interval is weakly bedded and displays modest pyrite compositional layers
		Alteration: No significant alteration. (Cored overburden 6.1-6.2)
		Mineralization: Pyrite averages 8-10% as foliation parallel aggregates; this sulphide is probably late diagenetic in origin
		Structure: - Strong composition layers may be equated to bedding eg: @ 6.4 compositional layering to CA: 067°
		- no younging indicators are noted.
	6.6 - 11.5	
6.6	11.5	INTERMEDIATE FRAGMENTAL - LAPILLI (1.5L)
		The interval is defined by very abundant (30% rx volume) highly angular lapilli sized pyroclastic fragments. The fragments are matrix supported by a

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization 91-111 PAGE 2 OF 4
		soft, light-green-grey carbonate rich matrix. Narrow quartz veins may carry chalcopyrite-sphalerite- and galena. These veins have modest pyritic halo's extending 20-40 cm's from the vein margins. Significant alteration halos; other than pyrite are not associated with these veins. In detail:
		Alteration: Ubiquitous matrix carbonate; 20%; is a reflection of the low metamorphic grade and the bulk composition of these rx's, net silica injection < 10% rock volume.
		Mineralization: Significant quartz stringers at: 7.0-7.1 Trace Pb-Zn; Pg sl.
		7.3-7.45 Pb-Zn-Cu vein; 3-4% combined Pb-Zn; <1.0% Cu; sulphides preferentially concentrated on vein margins; modest pyritic halo (40 cm's) preferentially developed on the hanging wall contact.
		11.2-11.5 Oxidized broken core; irregular quartz veins do not have a significant sulphide association.
		STRUCTURE:
		7.3 Vein orientation 052° to CA
		8.8 Compositional layering to CA: 062°
		11.4 Oxidized joint surfaces 034° and 077° to CA
		11.5
11.5	24.6	MAFIC FRAGMENTAL - ASH - Fe-CARBONATE (1.3A-F)
		The fine grained, homogeneous nature, slightly grainy matrix, absence of definitive mafic phenocrysts and very weakly developed tuffaceous compositional layers are the hallmarks of this rock interval. The rock has a strong penetrative fabric, very limited sulphide

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	91-111 PAGE 3 OF 4

content and carries 20% matrix carbonate of metamorphic origin. Quartz veins and veinlets are discordant to the early foliation surface. In detail:

Alteration: No significant hydrothermal alteration

Mineralization: Disseminated Py < 2%, pyrite composition lamella < 1.0 cm in thickness 1-2% rock volume.

Quartz Injection:

14.4 - 14.9 Ragged anastomosing quartz veins do not have associated alteration products or sulphide assemblages.

Structure: Quartz Vein to CA: 042°: @ 14.51. Compositional layering to CA: 052° @ 17.4

24.6 - 25.5 MAFIC FRAGMENTAL - BRECCIATED (1.3 Bx) +/- POLYLITHIC VOLCANIC WACKE (1.1)

25.5 35.0 POLYLITHIC VOLCANIC WACKE (1.1), PHYLLITIC VOLCANICLASTIC (1.0)

The appearance of polylithic clastic fragments to slightly re-worked volcanic fragments defines the upper contact of this interval. Much of the interval comprises grey-green; fine grained compositionally layered weakly tuffaceous volcaniclastics. The unit is relatively incompetent and may develop a slight crenulation cleavage. The specifics of this interval are:

Lithology: 24.6 - 25.8 Medium grained polylithic volcanic and lithic wacke

25.8 - 35.0 Interbedded Fine Grained Mafic Volcaniclastics.

Alteration: No significant hydrothermal alteration assemblages or quartz vein injection.

Mineralization: No significant sulphide development.

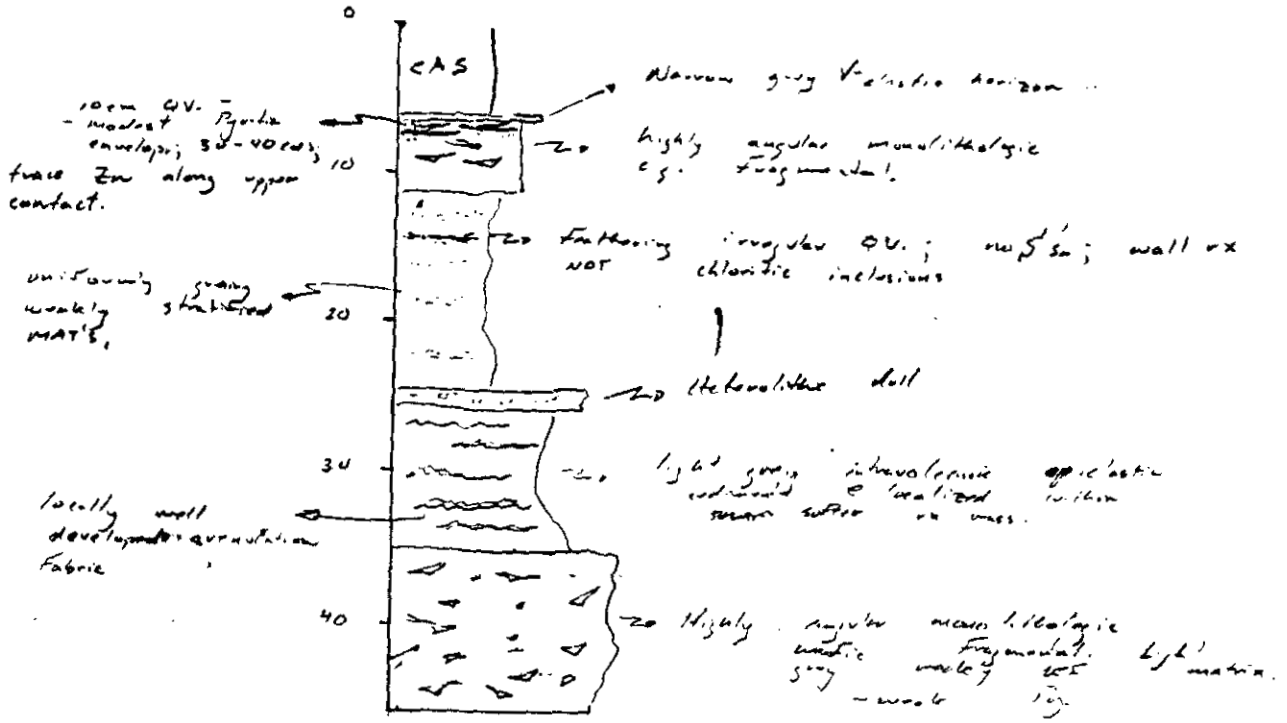
Structure: Contact to CA. 065° @ 24.6

Bedding to CA 065° @ 31.7

Crenulation plane to CA 012° @ 31.8.

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization	91-111 PAGE 4 OF 4
		Foliation to CA: 075° @ 34.9	
		35.0	
35.0	45.7	MAFIC FRAGMENTAL (1.3) +/- INTERMEDIATE FRAGMENTAL - LAPILLI (1.5 L)	
		Highly angular, crowded medium green mafic fragments are the distinguishing feature of the interval. This rock; like the others in this borehole has been extensively carbonitized. The rock matrix is light cream to gray-green in color and is composed of carbonitized ash size pyroclastic fragments. The borehole terminates in a rock sequence which is devoid of silica injection or significant alteration. In detail:	
		Alteration: No significant alteration	
		Mineralization: No sulphide assemblages noted; excluding trace to 0.25% of finely disseminated pyrite	
		STRUCTURE: Fragment elongation to CA: 073°; subparallel foliation @ 37.0. Compositional layering to CA: 077 @ 45.4	
45.7		EOH	
		Note: No significant faults are present in this borehole. Minor fractures and slip planes are constrained to the incompetent member @ 24.6 - 35.0. This interval contains the only significant core loss in the borehole approximately at 25.6 - 29.6; or approximately 1.0 metre.	

DDH 91-111



Excerpt: Structural data from full borehole log for DDH 91-111.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-111	13208	6.10	7.00	0.90	-	-	360	-	-	1.3	110	1	158	-	134	690	87	53650	19640
91-111	13209	7.00	7.60	0.60	-	-	41	-	-	26.9	14	40	104	-	6344	13455	12001	51050	17960
91-111	13210	7.60	9.00	1.40	-	-	180	-	-	2.8	14	1	99	-	349	1441	509	56430	30150
91-111	13211	9.00	11.00	2.00	-	-	10	-	-	0.3	1	1	138	-	97	75	149	66640	42370
91-111	13212	11.00	13.00	2.00	-	-	21	-	-	0.8	1	1	103	-	48	33	138	57950	49260
91-111	13213	13.00	14.45	1.45	-	-	10	-	-	0.5	1	1	128	-	68	28	178	61780	43640
91-111	13214	14.45	15.00	0.55	-	-	20	-	-	1.0	1	1	78	-	77	28	90	49070	70880
91-111	13215	15.00	17.00	2.00	-	-	21	-	-	0.9	4	1	119	-	108	29	109	57420	49210
91-111	13216	17.00	19.00	2.00	-	-	39	-	-	1.2	63	1	115	-	89	37	100	64810	47910
91-111	13217	19.00	21.00	2.00	-	-	34	-	-	0.4	1	1	139	-	74	28	131	69770	43750
91-111	13218	21.00	23.00	2.00	-	-	3	-	-	0.1	1	1	154	-	43	16	121	89720	15030
91-111	13219	23.00	24.60	1.60	-	-	5	-	-	0.1	1	1	202	-	106	19	147	74480	16060
91-111	13220	24.60	26.60	2.00	-	-	20	-	-	0.8	1	1	194	-	113	25	106	58580	10850
91-111	13221	26.60	28.60	2.00	-	-	22	-	-	0.4	7	1	227	-	77	28	106	60010	4070
91-111	13222	28.60	30.60	2.00	-	-	27	-	-	1.0	1	1	131	-	50	30	81	42360	27040
91-111	13223	30.60	33.00	2.40	-	-	12	-	-	1.3	6	1	134	-	82	37	72	38080	43510
91-111	13224	33.00	35.00	2.00	-	-	5	-	-	1.2	1	1	154	-	71	24	58	36730	30000
91-111	13225	35.00	37.00	2.00	-	-	15	-	-	1.2	1	1	175	-	31	23	68	33250	41000
91-111	13226	37.00	39.00	2.00	-	-	12	-	-	1.2	1	1	168	-	13	19	76	36880	28550
91-111	13227	39.00	41.00	2.00	-	-	20	-	-	0.8	1	1	183	-	13	16	87	43880	35370
91-111	13228	41.00	43.00	2.00	-	-	1	-	-	0.9	1	1	226	-	30	18	78	39020	32620
91-111	13229	43.00	45.70	2.70	-	-	1	-	-	0.9	1	1	188	-	28	17	76	39350	31230

COMP: COPELAND REBAGLIATI
PROJ: 9101
ATTN: M.REBAGLIATI

91-111

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0928-RJ1
DATE: 91/10/18
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
13208	1.3	17300	110	12	158	.4	3	19640	.1	38	134	53650	3640	5	8230	877	1	90	7	1310	690	1	45	1	98	59.7	87	1	1	3	56	360
13209	26.9	24400	14	12	104	.3	1	17960	108.6	27	6344	51050	3510	9	15670	1205	3	50	4	1300	13455	40	44	1	105	75.3	12001	1	1	2	91	41
13210	2.8	29140	14	7	99	.2	3	30150	.1	23	349	56430	3130	11	21490	1794	1	30	1	1630	1441	1	47	1	78	87.6	509	1	1	2	49	180
13211	.3	43480	1	8	138	.3	5	42370	.1	26	97	66640	4590	17	32790	1782	1	70	1	1800	75	1	73	1	188	133.1	149	1	1	2	49	10
13212	.8	32230	1	6	103	.2	3	49260	.1	23	48	57950	2800	15	25640	1906	1	50	1	1660	33	1	86	1	57	101.1	138	1	1	2	34	21
13213	.5	35320	1	6	128	.1	3	43640	.1	25	68	61780	4470	10	19280	1718	1	60	2	1830	28	1	61	1	92	90.9	178	1	1	2	48	10
13214	1.0	25680	1	4	78	.1	3	70880	.1	15	77	49070	2860	10	15030	3125	1	50	1	1070	28	1	245	1	85	74.8	90	1	1	5	135	20
13215	.9	33590	4	8	119	.2	4	49210	.1	26	108	57420	4270	13	21280	1921	1	70	9	1700	29	1	94	1	100	95.8	109	1	3	2	67	21
13216	1.2	28990	63	6	115	.1	3	47910	.1	30	89	64810	4090	8	17600	1923	1	60	23	1820	37	1	97	1	109	96.1	100	1	1	5	128	39
13217	.4	32650	1	6	139	.1	3	43750	.1	28	74	69770	4320	8	15550	1567	1	100	1	2120	28	1	87	1	94	111.6	131	1	1	2	55	34
13218	.1	27740	1	7	154	.1	3	15030	.1	25	43	89720	3140	6	11120	979	1	100	1	1660	16	1	36	1	78	80.0	121	1	1	1	46	3
13219	.1	33390	1	6	202	.1	3	16060	.1	26	106	74480	3100	7	11400	936	1	90	1	950	19	1	34	1	84	108.6	147	1	1	1	33	5
13220	.8	28780	1	6	194	.5	4	10850	.1	26	113	58580	3810	11	10320	682	1	130	6	1040	25	1	27	1	91	75.7	106	1	1	2	42	20
13221	.4	31610	7	5	227	.7	5	4070	.1	15	77	60010	3940	10	10280	518	1	140	1	710	28	1	14	1	152	67.7	106	1	1	1	24	22
13222	1.0	27440	1	3	131	.3	4	27040	.1	13	50	42360	2650	14	15920	1300	1	110	1	960	30	1	48	1	57	45.2	81	1	1	1	24	27
13223	1.3	27230	6	3	134	.3	4	43510	.1	15	82	38080	2960	13	16550	1337	1	120	2	830	37	1	62	1	87	47.0	72	1	1	1	21	12
13224	1.2	23850	1	2	154	.3	3	30000	.1	13	71	36730	2740	10	13680	983	1	110	1	990	24	1	52	1	72	45.0	58	1	1	1	19	5
13225	1.2	21850	1	2	175	.5	3	41000	.1	10	31	33250	3210	7	10090	988	1	140	1	1310	23	1	65	1	57	33.5	68	1	1	1	28	15
13226	1.2	23990	1	2	168	.4	3	28550	.1	10	13	36880	2950	8	13600	996	1	150	1	1540	19	1	55	1	71	34.6	76	1	1	1	24	12
13227	.8	27360	1	2	183	.4	4	35370	.1	12	13	43880	2570	10	17910	1052	1	170	1	1640	16	1	65	1	93	52.1	87	1	1	1	20	20
13228	.9	27430	1	2	226	.4	4	32620	.1	12	30	39020	3830	8	16480	1119	1	260	1	1500	18	1	59	1	96	48.1	78	1	1	1	36	1
13229	.9	27420	1	2	188	.4	3	31230	.1	12	28	39350	3710	8	16080	1043	1	340	1	1510	17	1	61	1	124	52.5	76	1	1	1	27	1

GEOLOGIC DRILL LOG – SIB PROPERTY

HOLE 91-112
PAGE 1 OF 5

TESTS

Meterage	Dip	Azimuth
0	-45°	299°
42.6	-41°	—

COLLAR SURVEY:
Northing: [illegible]
Easting: [illegible]
Elevation: [illegible]
Azimuth:
Dip:
IP Grid Coordinates: 88+70N 102+77E

CORE
Section: [illegible]
Date Started: Oct 7/91
Date Finnished: Oct 7/91
Date Logged: Oct 7/91

Total Depth: 42.7
Casing Depth 3.05
Casing Left In: ✓
Logged By: J. OLIVER
Comments:

SAMPLE NUMBERS
13230 To 13251
To

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization
0	3.05	CASING
3.05	18.9	MAFIC FRAGMENTAL – LAPILLI – FE-CARBONATE (1.3 L, F)

The interval is characterized by the presence of medium green highly angular mafic fragments. The fragments are coarse grained lapilli in size and are matrix supported in a lighter grey-green, strongly carbonitized, fine grained tuffaceous matrix. The interval is cut locally by white quartz veins with limited alteration or sulphide envelopes. In detail:

Alteration: Moderate to strong matrix carbonitization. This alteration ~~as~~ mineral most likely reflects the regional metamorphic environment.

Mineralization: A series of quartz veins carry very low sulphide contents, chiefly pyrite with traces of galena sphalerite. Including:

6.25 - 6.60 Minor quartz veining; 3 cm pyrite band at the upper contact

6.85 - 7.3 White quartz vein with irregular anastomosing contacts, traces of Chalcopyrite - Sphalerite - Galena. This vein carries a limited 20-30 cm pyrite halo.

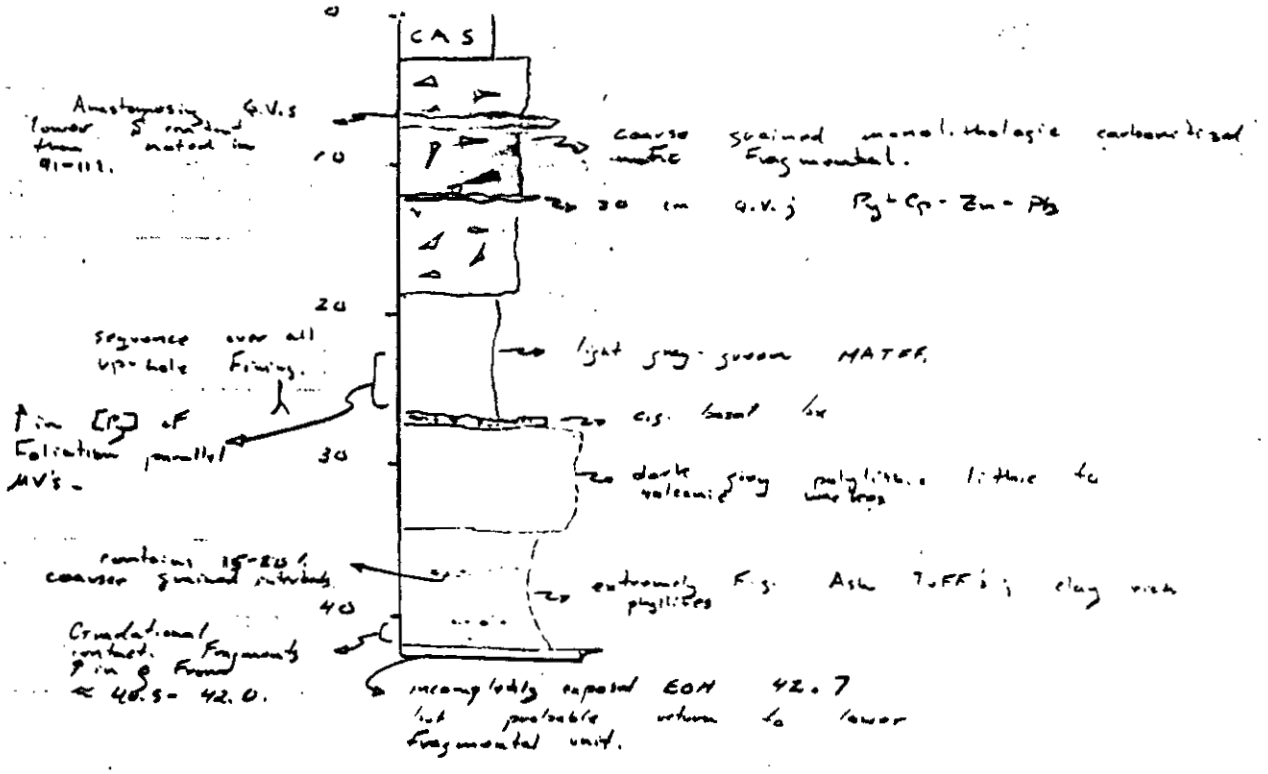
METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization 91-112 PAGE 2 OF 5
		11.85-12.2 Irregular quartz vein with minor < 2% chalcopyrite, < 0.5% sphalerite and trace Gl. This interval carries the strongest sulphide development in the borehole.
		STRUCTURE: - Compositional layering to CA: 071° @ 3.7
		- 5.0-5.4 Blocky oxidized core - EXTENSIONAL JOINT.
		- Vein orientations
		6.25 Vein orientation to CA.: 062°
		6.85 " " " " : 061°
		11.85 " " " " : 054°
	18.9	
18.9	26.45	CARBONITIZED MAFIC ASH FLOWS (1.3)
		The fragments defined in the preceding interval are absent in this part of the rock column. The interval is characterized by a fine grained, diffusely laminated, strongly carbonitized, grey green tuffaceous pyroclastic. The unit is cut by numerous, small (< 1.0 cm) foliation parallel, and discordant carbonate-quartz microveinlets. These microveinlets do not have a sulphide association. In detail:
		Alteration: Moderate late stage quartz-carbonate vein injection, light to moderate matrix carbonitization
		Mineralization: No significant mineralization; however foliation parallel pyrite lamella increase in density toward the lower contact. Between 25.2 - 26.45 Py averages 6-8%; no base metal association.
		STRUCTURE: 20.0 Compositional layering to CA. 053°.
		25.8 Pyritic lamella to CA: 078°
	26.45	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization 91-112 PAGE 3 OF 5
26.45	27.4	MAFIC FRAGMENTAL - BRECCIATED (1.3 px)
		This short interval is a submember of the overlying mafic ash flow. The rx mass is graded and suggests an up-hole younging direction. The upper contact with the overlying felsic ash flows is slightly gradational.
		Alteration: No significant hydrothermal alteration
		Mineralization: A 15 cm qtz vein @ 27.25-27.4 carries trace to 0.25% Py
		Structure: Compositional layering to CA: 049° @ 27.1; equate to bedding.
	27.4	
27.4	34.65	POLYLITHIC VOLCANIC WACKE (1.1)
		The rock unit is defined by its dark to medium grey color; moderately well bedded structure and by the presence of strongly elongate lithic and volcanic fragments. The volcanic protolith of the rock in this interval dominates the section. Quartz-carbonate vein injection is very light. Overall, rock alteration and sulphide development is extremely low. The specifics of the interval may be defined by:
		Alteration: No significant alteration
		Mineralization: Scattered coarse grained pyrite occurs across the interval at low levels < 2%. Discrete laminae are not formed.
		Structure: 28.6 Bedding to CA: 070°
		30.8 Kink plane orientation: 010°
		34.0 Bedding to CA 065°
	34.65	

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization 91-112 PAGE 4 OF 5
34.65	42.5.	PHYLLITIC VOLCANICLASTIC (1.5) INTERMEDIATE FRAGMENTAL ±ASH (1.5A)
		This rock interval is distinguished from the preceding polylithic volcanic wacke by the predominance of very fine grained clay rich ash beds. Rock competency is very low; the ash beds are often crenulated. Slightly coarser grained volcaniclastic beds are inter-laminated with the ash size fractions. The rock has a moderate to low color index, CI 25-30 and compositionally lies in transitional field: mafic to intermediate. No significant alteration or sulphide development is detected within the drill core. In detail:
		Alteration: Light cream-grey intervals define zones of high primary clay content. This is not an alteration assemblage.
		Mineralization: No significant sulphide development, Py < 0.5% chiefly as fine grained foliation parallel disseminations.
		Structure: 35.2 Bedding to CA: 075°
		38.2 Bedding to CA: 080°
		37.0 Quartz vein orientation and minor shear: 031°
		41.1 - 41.3 Blocky core; partial failure: 078°
	42.5	
42.5	42.7	INTERMEDIATE FRAGMENTAL LAPILLI (1.5L)
		Highly angular; lapilli sized medium green mafic fragments are again identified in this interval. Well defined ash beds are no longer present. The contact with the overlying ash flows is gradational over a range of 1.0-2.0 m's. This pyroclastic rock mass has experienced limited alteration and sulphide development. Specific details of the interval include:

METERAGE From	To	DESCRIPTION: Lithology, Structure, Alteration, Mineralization 91-112 PAGE 5 OF 5
		Alteration: No significant hydrothermal alteration; pervasive matrix carbonitization
		Mineralization: Non-mineralized, Py < 0.25% disseminated
		Structure: 42.6 Foliation to CA: 072°
		42.7
42.7	EOH.	

91-112


0
CAS
Anastomosing Q.V.s lower & smaller than noted in 91-111.
10
coarse grained monolithologic carbonatized mafic fragmental.
30 cm Q.V.; Py + Cp - Zn - Pb
20
sequence over all up-hole firing.
light grey-green MATFF.
c.g. basal tx
Pin [P] of foliation parallel MV's.
30
dark volcanic grey polylithic lithic tx
contains 15-20% coarser grained interbeds
extremely f.g. Ash TuFF's; clay rich
phyllites
40
Gradational contact. Fragments Pin & Found ≈ 40.5 - 42.0.
incomplete exposed EOH 42.7 but probable return to lower fragmental unit.

AMERICAN FIBRE CORPORATION / SILVER BUTTE RESOURCES LTD. - SIB PROJECT - DRILL HOLE ANALYTICAL RESULTS

HOLE NUMBER	SAMPLE NUMBER	FROM (m)	TO (m)	LENGTH (m)	Au g/t	Au oz/t	Au ppb	Ag g/t	Ag oz/t	Ag ppm	As ppm	Sb ppm	Ba ppm	Hg ppb	Cu ppm	Pb ppm	Zn ppm	Fe ppm	Ca ppb
91-112	13230	3.05	5.00	1.95	-	-	3	-	-	0.6	15	1	210	-	59	21	71	41140	41320
91-112	13231	5.00	6.90	1.90	-	-	69	-	-	0.8	93	1	262	-	65	28	81	46640	25410
91-112	13232	6.90	9.00	2.10	-	-	41	-	-	1.0	1	1	185	-	115	36	126	54360	46110
91-112	13233	9.00	11.00	2.00	-	-	3	-	-	0.6	1	1	226	-	86	22	95	54590	47540
91-112	13234	11.00	11.85	0.85	-	-	49	-	-	2.9	86	1	214	-	1318	37	1027	63850	46060
91-112	13235	11.85	12.50	0.65	-	-	3	-	-	1.4	1	1	150	-	470	24	126	42320	49020
91-112	13236	12.50	14.50	2.00	-	-	420	-	-	0.5	4	1	191	-	92	27	106	62650	46010
91-112	13237	14.50	16.50	2.00	-	-	81	-	-	0.2	1	1	191	-	71	22	89	58460	45100
91-112	13238	16.50	18.50	2.00	-	-	54	-	-	0.3	1	1	171	-	55	21	87	50890	45850
91-112	13239	18.50	20.50	2.00	-	-	3	-	-	0.8	1	1	180	-	93	18	107	54910	47380
91-112	13240	20.50	22.50	2.00	-	-	43	-	-	0.6	42	1	150	-	81	30	87	58190	46000
91-112	13241	22.50	24.50	2.00	-	-	12	-	-	0.5	1	1	112	-	63	24	91	59600	48550
91-112	13242	24.50	26.45	1.95	-	-	3	-	-	0.1	54	1	139	-	82	27	119	69110	23350
91-112	13243	26.45	27.40	0.95	-	-	1	-	-	0.1	1	1	172	-	83	20	121	66740	15320
91-112	13244	27.40	29.40	2.00	-	-	21	-	-	0.7	1	1	111	-	61	32	105	63860	20380
91-112	13245	29.40	31.40	2.00	-	-	74	-	-	1.1	50	1	143	-	95	55	105	63360	21130
91-112	13246	31.40	33.40	2.00	-	-	12	-	-	0.5	9	1	197	-	78	36	136	60950	15090
91-112	13247	33.40	34.65	1.25	-	-	10	-	-	0.7	1	1	244	-	111	34	100	54330	16180
91-112	13248	34.65	36.60	1.95	-	-	2	-	-	0.2	1	1	202	-	157	23	114	62040	9870
91-112	13249	36.60	38.60	2.00	-	-	10	-	-	0.7	1	1	287	-	122	27	172	47060	10940
91-112	13250	38.60	40.60	2.00	-	-	1	-	-	1.0	17	1	209	-	67	32	73	38010	32400
91-112	13251	40.60	42.70	2.10	-	-	11	-	-	1.1	1	1	207	-	66	31	58	36100	51520

COMP: COPELAND REBAGLIATI & ASSOC.
PROJ: 9101
ATTN: M.REBAGLIATI

91-112

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0927-RJ1
DATE: 91/10/16
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
13230	.6	25630	15	10	210	.1	4	41320	.1	14	59	41140	4130	9	10710	948	1	260	1	1250	21	1	57	1	127	46.6	71	1	1	2	31	3
13231	.8	30060	93	9	262	.3	4	25410	.1	19	65	46640	5920	10	15310	1157	1	150	1	1570	28	1	38	1	222	68.2	81	1	1	3	56	69
13232	1.0	31800	1	7	185	.2	4	46110	.1	20	115	54360	4640	12	21470	1764	1	80	2	1570	36	1	82	1	185	86.7	126	1	1	3	82	41
13233	.6	36150	1	7	226	.2	5	47540	.1	20	86	54590	5540	13	21660	1536	1	100	1	1680	22	1	77	1	293	101.6	95	1	1	2	47	3
13234	2.9	31880	86	8	214	.1	3	46060	2.3	35	1318	63850	6150	10	24130	2437	1	60	1	1780	37	1	58	1	222	99.3	1027	1	1	2	55	49
13235	1.4	27650	1	4	150	.1	3	49020	.1	17	470	42320	4280	9	16250	1485	1	80	3	1030	24	1	130	1	186	79.1	126	1	1	8	186	3
13236	.5	34830	4	6	191	.1	4	46010	.1	25	92	62650	5460	11	24310	1966	1	60	1	1720	27	1	60	1	199	102.6	106	1	1	2	49	420
13237	.2	31400	1	6	191	.4	4	45100	.1	19	71	58460	6170	8	19840	1777	1	60	1	1670	22	1	51	1	131	83.6	89	1	1	2	44	81
13238	.3	32010	1	4	171	.3	4	45850	.1	18	55	50890	4330	10	20740	1662	1	60	1	1420	21	1	64	1	212	82.0	87	1	1	2	34	54
13239	.8	17560	1	5	180	.3	2	47380	.1	20	93	54910	3840	15	19950	1557	1	90	1	1610	18	1	80	1	106	73.4	107	1	1	2	48	3
13240	.6	21590	42	5	150	.1	4	46000	.1	23	81	58190	4650	10	14860	1592	1	100	2	1710	30	1	73	1	197	84.9	87	1	1	3	59	43
13241	.5	30340	1	3	112	.1	4	48550	.1	23	63	59600	3580	9	15420	1454	1	70	1	1820	24	1	107	1	140	96.2	91	1	1	2	44	12
13242	.1	31200	54	4	139	.1	4	23350	.1	30	82	69110	4070	8	13030	1368	1	80	1	1910	27	1	55	1	116	103.3	119	1	1	3	57	3
13243	.1	33400	1	5	172	.3	4	15320	.1	21	83	66740	4220	7	10620	1071	1	110	1	1330	20	1	35	1	157	100.9	121	1	1	3	76	1
13244	.7	30940	1	4	111	.2	4	20380	.1	36	61	63860	2910	9	12680	1506	1	80	11	1380	32	1	47	1	131	99.9	105	1	1	1	31	21
13245	1.1	30380	50	4	143	.3	4	21130	.1	40	95	63360	3390	10	11740	1389	1	100	11	1330	55	1	50	1	141	101.5	105	1	1	2	42	74
13246	.5	33410	9	4	197	.3	4	15090	.1	28	78	60950	3950	11	12080	1025	1	130	7	970	36	1	35	1	241	102.5	136	1	1	2	35	12
13247	.7	31790	1	4	244	.4	4	16180	.1	33	111	54330	4370	10	10790	920	1	160	9	560	34	1	31	1	253	88.1	100	1	1	2	26	10
13248	.2	33890	1	4	202	.3	5	9870	.1	17	157	62040	3400	11	10850	702	1	150	1	750	23	1	19	1	190	81.2	114	1	1	1	20	2
13249	.7	25960	1	4	287	.5	5	10940	.1	15	122	47060	5280	7	10560	669	1	280	3	440	27	1	20	1	258	49.8	172	1	1	2	38	10
13250	1.0	28190	17	3	209	.2	4	32400	.1	15	67	38010	4110	11	14810	1001	1	260	2	970	32	1	54	1	146	45.1	73	1	1	1	27	1
13251	1.1	30000	1	2	207	.3	4	51520	.1	14	66	36100	4360	12	18260	1318	1	250	2	1020	31	1	92	1	147	50.9	58	1	1	1	29	11