BRITISH COLUMBIA PROSPECTORS ASSISTANCE PROGRAM MINISTRY OF ENERGY AND MINES GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:1995/1996REPORT #:PAP 95-51NAME:ANGELIQUE JUSTASON

B. <u>Technical Report</u> by Angelique Justason Reference Number 95/96 P122

The Tsitika River and Naka Creek area of northern Vancouver Island is located on NTS map sheets 092L07E and 092L08W and is centred approximately 126⁵30' W and 50°23' N. Access to the vicinity is provided by two separate forest service roads which begin at approximately five kilometres and twenty kilometres west of Rooney Lake on Highway Nineteen. Access may be obtained by car but a truck or van is more appropriate. Furthermore, most of the terrain is traversable by foot but some of the area is quite steep and rugged.

There are no previously documented mineral deposits in the project area; however, there have been samples taken from the area which can be found on the British Columbia Regional Geochemical Survey map twenty three and Open File 2040. A map showing the R.G.S. sample sites is enclosed.

The Upper Triassic Karmutsen Formation makes up approximately seventy percent of the project area while about thirty percent is Island Intrusions of Jurassic Age. The contact between the two rock groups is approximately twenty five kilometres in length and five faults occur here, striking in a north to north westerly direction. I have enclosed a list of mineralized outcrops and boulders that I came across with the corresponding numbers indicating their location on two maps: 92L/7 and 92L/8. I took 124 moss mat sediment samples, 121 pH samples and 22 rock samples over an area of approximately 325 square kilometres in search of a copper skarn. A description of each rock sample and a list of on site pH tests are included in this report. The pH sample numbers correspond to those numbers found on the enclosed digital maps. PH analysis of water samples was completed by Ken Lord with a digital pH tester, pHep3. Copper, gold and molybdenum were the main commodities I searched for, but I had a broad geochemical analysis completed so that any other deposit occurring in the project area would not be overlooked. The geochemical analysis of the moss and rock samples was completed by Acme Analytical Laboratories Ltd. and the results, of coarse, are enclosed.

The best sample taken from the project area was rock sample 95P2AJ032. It was taken from a vein in an outcrop which occurs at 126°25'15" W and 50°22'48" N at an elevation of 545 meters. Potassium feldspar and quartz veins (<2" thick) and veinlets (<0.5" thick) of pyrite commonly intrude the granodiorite country rock. All the veins that occur here strike and dip in the same direction and occur in an area of at least one square kilometre. Furthermore, molybdenum occurs as infillings along fractures and along multiple shears in the quartz. The quartz also contains massive pyrite with chalcopyrite. A sample (95P2AJ032) from one of the quartz veins had great results: 1.5% copper, 311 ppm molybdenum and 23 ppm silver. I believe there may be an underlying copper porphyry deposit. The outcrop occurs within one kilometre of a major fault system and is approximately two kilometres away from the contact between Island Intrusions and the Karmutsen Volcanics. I have not yet staked any claims in the area but I plan to do so early this spring when school and work permits me.

Although I did not find a copper skarn, I still believe that I was successful this prospecting season. Firstly, I am happy that I have added information to be available to others who may be interested in the area; furthermore, I gained a lot of knowledge for myself. Also, the veins that I found on my last day of prospecting this season is definitely worth looking into, and I will be spending as much time as I can exploring this particular area further.

Location Map





Work Location: Tsitika River and Naka Creek Area

Geology and RGS Sample Sites



Description of Rock Samples

Sample Number	Description
95P1AJ001	Basalt containing disseminated pyrite and patchy epidote. The surrounding country rock is course amygdaloidal basalt filled with zeolite about 0.5 centimetres across, very common. Rust stains are visible around the fractures
95P1AJ002	Basalt containing pyrite, chalcopyrite and greenstone. Outcrop has many rust stains and malachite is visible upon closer inspection. Veins mainly consist of epidote and pyrite, and are silicified. Argillic alteration is apparent
95P1AJ051	Granodiorite with argillic alteration. Country rock is granodiorite with veinlets of epidote and disseminated pyrite. Flow banded breccia occurs in some parts and a younger rhyolite dike cuts through.
95P2AJ007	Limestone with a large amount of disseminated pyrite. Area of contact between minor limestone and basalt with advanced argillic alteration. A silver anomaly occurred in the sample.
95P2AJ008	Quartz with disseminated pyrite in basalt. Epidote and veinlets of pyrite occur nearby.
95P2AJ012	Amygdaloidal basalt with disseminated pyrite, chalcopyrite and some epidote. Some of the outcrop is altered to greenstone.
95P2AJ018	Granite with approximately fifty percent feldspar (fine <coarse). and<br="" blotchy="" disseminated="" pyrite="" to="">chalcopyrite. Minor amount of epidote.</coarse).>
95P2AJ019	Zeolites. Mineralised with pyrite and chalcopyrite. Country rock is granitic and is coarsely brecciated in some places.
95P2AJ020	Quartz-feldspar vein. Strikes 50°NW and dips 58°W.
95P2AJ021	Granodiorite with minor amount of disseminated pyrite. Small andesite vein nearby.

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Sample Number	Description
95P2AJ022	Granodiorite with small amount of pyrite and chalcopyrite.
95P2AJ023	Granodiorite with greenstone vein. Pyrite occurs along fractures.
95P2AJ024	Granodiorite with disseminated pyrite. Greenstone veins occur nearby with some sericitic alteration.
95P2AJ025	Granodiorite with disseminated pyrite and sericite along small vein.
95P2AJ026	Basalt with serpentine and magnetite veinlets and a small amount of epidote. Sericitic alteration.
95P2AJ027	Granodiorite. 0.1 kilometres from basalt outcrop. Iron and manganese stains occur here as well as greenstone and feldspar veins with sericitic alteration. A small amount of serpentine also occurs here. The outcrop is extensively fractured.
95P2AJ028	Granodiorite with an epidote vein surrounded on each side by a potassium feldspar vein. This sample also contained a veinlet of pyrite with chalcopyrite and bornite.
95P2AJ029	Course grained quartz with greenstone and fine grained hematite. Disseminated pyrite seen only by the aid of a hand lens.
95P2AJ030	Fine grained quartz and hematite with feldspar and veinlets of calcite.
95P2AJ031	Unaltered granodiorite, country rock.
95P2AJ032	Weathered quartz vein with massive pyrite, chalcopyrite and molybdenum. Some bornite, feldspar and epidote can also be seen. The vein strikes 80°NE with an eastern declination of 16°. Geochemical analysis for this sample was excellent: 1.5 % Cu, 311 ppm Mo and 23 ppm Ag.
95P2AJ033	Quartz-feldspar vein with disseminated pyrite and chalcopyrite. The vein strikes 72°NE and dips 18°E. Geochemical results did not come back as good as the previous sample: 23 ppm Mo and 5.7 ppm Ag.

Summary of Mineralised Outcrops

Outcrop Number	Description
OC01	The country rock is course amygdaloidal basalt filled with zeolite about 0.5 centimetres across, very common. Rust stains are visible around the fractures The outcrop also contains disseminated pyrite and patchy epidote.
OC02	Basalt with disseminated pyrite, chalcopyrite and greenstone. Rust stains and malachite are visible. Many veins of up to one inch thick are mainly made of epidote and pyrite, and are silicified. The rock has been argillicly altered.
OC03	Basalt with greenstone and quartz. Small vugs with round light green crystals [(~ 2mm diameter) prehnite?]
OC04	Large boulder (~ 40' x 30' x 15'). Greenstone altered amygdaloidal basalt with disseminated pyrite throughout.
OC05	Amygdaloidal basalt with many zeolites. Approximately twenty five percent of the angular float is mineralised with a large amount of disseminated pyrite and some quartz.
OC06	Limestone with an abundance of disseminated pyrite. This is a contact area between limestone and basalt, both of which are part of the Karmutsen Volcanics. Glacial till is about fifty feet thick on both sides of the creek and the terrain is steep.
OC07	Two quartz veins, each approximately eight inches thick, with disseminated pyrite. Rocks around these veins are very rusty and contain much more pyrite. The vein on the right strikes 30°SW and dips $16^{\circ}E$, while the left vein strikes 8°SE and dips $16^{\circ}E$.
OC08	A number of one inch thick quartz veins cut through basalt. Epidote and veinlets of pyrite occur here as well. Terrain too steep to continue any further.
OC09	Amygdaloidal basalt with epidote and disseminated pyrite.

<u>Outcrop Number</u>	Description
OC10	Amygdaloidal basalt, slightly brecciated, with a six inch wide quartz vein striking 64°SW and dipping 26°W.
OC11	Greenstone altered basalt. Numerous outcrops occurring for about one hundred feet along the length of the creek.
OC12	Basalt with disseminated pyrite. Slightly brecciated and rusty in some parts. Slightly magnetic and veinlets of fine crystalline quartz throughout. On the bank of the creek, the outcrop is covered by three to ten feet of overburden.
OC13	Basalt with disseminated pyrite. Slightly brecciated and rusty in some parts. Slightly magnetic and veinlets of quartz throughout. Same type as previous outcrop. The outcrop is twenty to thirty feet across and is about two hundred feet in length.
OC14	Basalt with a fault striking 40 NE and dipping 4 W.
OC15	Over approximately 500 feet along the road, numerous outcrops of pillow lava occur. Fillings between the pillows are quartz surrounded by epidote. Some of the quartz contains massive and disseminated pyrite. A picture is enclosed.
OC16	Basalt with some pillow lava. Mineralised where brecciated with pyrite and chalcopyrite. There is also a small amount of azurite and malachite.
OC17 .	Granodiorite with disseminated pyrite. Sericite along veins.
OC18	Granodiorite with disseminated pyrite. There are some small greenstone veins with sericite. I found a small rock in the ditch that contained a small amount of garnet but an extensive search of the area turned up nothing else.
OC19	Granodiorite with quartz and feldspar veins containing a minor amount of pyrite.

Outcrop Number	Description
OC20	Granite with approximately fifty percent feldspar (fine <coarse). and<br="" blotchy="" disseminated="" pyrite="" to="">chalcopyrite. Minor amount of epidote.</coarse).>
OC21	Potassium feldspar and quartz augen as well as two feldspar veins, about two inches thick.
OC22	Granodiorite with argillic alteration, with veinlets of epidote and disseminated pyrite. Flow banded breccia occurs in some parts and a younger rhyolite dike cuts through.
OC23	Quartz-feldspar porphyry vein about one and a half feet across.
OC24	Country rock is granitic and is coarsely brecciated in some places. Mineralised with pyrite and chalcopyrite. Zeolites also occur here.
OC25	Granodiorite with much disseminated pyrite.
OC26	Granite with quartz and greenstone veins. Porpolitic alteration. Pyrite cubes up to two square inches. Had a very hard time trying to get a sample: I needed a large sledge hammer.
OC27	Many veinlets of quartz in granite.
OC28	Flow banded breccia with many fractures.
OC29	Granite slightly magnetic. Veinlets of quartz, feldspar and epidote appear here.
OC30	Basalt with serpentine and magnetite veinlets and a small amount of epidote. Sericitic alteration.
OC31	Granodiorite outcrop about 0.1 kilometres from basalt outcrop. Iron and manganese stains occur here as well as greenstone and feldspar veins with sericitic alteration. A small amount of serpentine also occurs here. The outcrop is extensively fractured.

<u>Outcrop Number</u>	Description
OC32	Granodiorite with course grained quartz, greenstone, fine grained hematite and veinlets of calcite. Mineralised with pyrite, chalcopyrite and bornite.
OC33	Many outcrops of pillow lava with infillings of quartz and epidote. Found quartz crystals, 'dogtooth' calcite crystals and dark grey calcite. Some weathering occurs around the quartz: It is a light bluish white colour and is very soft with a hardness of one or two (aurichalite?).
OC34	Found a small piece of quartz on ground with pyrite, chalcopyrite, bornite and dioptase in it. I looked for indications of such mineralisation in the nearby outcrops but found nothing.
OC35	Found a small amount of wavellite in basalt outcrop.
OC36	Pillow lava with a lot of quartz and epidote. Large vugs, about one foot in diameter, contain some excellent (and very sharp) quartz crystals.
OC37	Pillow lava with infillings of quartz and epidote. Large vugs with excellent quartz crystals. Outcrop also mineralised with disseminated pyrite with some chlorite, calcite and jasper(?).
OC38	Granodiorite with quartz and feldspar veins containing massive pyrite, chalcopyrite, molybdenite, bornite, and epidote. There are also numerous veinlets of pyrite in the vicinity. All the veins occurring here strike and dip in the same general direction. Furthermore, molybdenite occurs as infillings along fractures and along multiple shears in the quartz. The quartz contains massive pyrite with chalcopyrite. A sample best representing veins which appear here assayed 1.5% copper, 311 ppm molybdenum and 23 ppm silver. The outcrop occurs within one kilometre of a major fault system and is about two kilometres away from the contact between the Island Intrusions and the Karmutsen Volcanics.

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Results of pH Analysis

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Sample Number	pH	Sample Number	Ыq
95P1AJ003	7.1	95P1AJ056	8
95P2AJ004	7.6	95P1AJ057	drv
95P1AJ005	7.6	95P1A,058	7.5
95P1AJ006	7.6	95P1AJ059	7.7
95P1AJ007	7.9	95P1AJ060	dry
95P1AJ008	7.5	95P1AJ061	7.7
95P1AJ009	6.9	95P1AJ062	7.2
95P1AJ010	7.4	95P1AJ063	8
95P1AJ011	7.3	95214.064	7.8
95P1AJ012	7.7	95P1AJ065	8.4
95P1AJ013	7.6	95P1AJ066	7.9
95P1A.014	79	95P1A.067	72
95P1A.015	77	95P1A,068	77
95P1A.016	78	95214.069	76
95P1A.017	7.8	95P14.070	7.0
95P14.018	7.0	9501 4 1071	82
05P1& I010	7.0	0501 A 1072	76
05011 1020	7.0	06018 072	7.0
05018 1021	7.0	9501 8 1074	22
05P1& I022	7.0	05014 075	0.2 8 1
05D1 A 1022	7.0	05014 076	70
95F 1A5025	7.5	0501 0 070	7.9
95F 170024	1.2	90F 1/0077	7.9
90F 1AUU20 05D1 A 1026	0.2	90F 14070	7.0
90F 170020 0ED1 A 1007	1.9	90F 1A0079 0ED1 & 1080	7.0
937173027	0.2	95F 1AJ060	7.0
997 1AJU20	0.2	9521AJU81	7.8
95P1AJ029	0.Z	95P1AJ082	7.8
95P1AJ030	8.2	95P1AJ083	7.8
90P1AJ031	8.2	9011AJ084	7.9
95P1AJU32	8.1 7 F	95P1AJ085	7.9
95P1AJ033	7.5	95P1AJ086	1.1
95P1AJ034	7.9	95P1AJ087	7.6
95P1AJ035	7.9	95P1AJ088	6.9
95P1AJ036	8.1	95P1AJ089	7.5
95P1AJ037	7.9	95P1AJ090	7.8
95P1AJ038	8.1	95P1AJ091	7.8
95P1AJ039	8.1	95P1AJ092	7.1
95P1AJ040	7.2	95P1AJ093	6.6
95P1AJ041	7,3	95P1AJ094	6.7
95P1AJ042	7	95P1AJ095	6.7
95P1AJ043	8.2	95P1AJ096	6.5
95P1AJ044	7.9	95P1AJ097	7
95P1AJ045	7.9	95P1AJ098	7.3
95P1AJ046	8.2	95P1AJ099	7.1
95P1AJ047	7.2	95P1AJ100	7.3
95P1AJ048	7.1	95P1AJ101	7.8
95P1AJ049	6.2	95P1AJ102	7.9
95P1AJ050	6	95P1AJ103	6.4
95P1AJ052	7.4	95P1AJ104	7
95P1AJ053	7.7	95P1AJ105	7.1
95P1AJ054	8.1	95P1AJ106	7
95P1AJ055	dry	95P1AJ107	7.6

Results of pH Analysis Continued

Sample Number	pH
95P1AJ108	7.7
95P1AJ109	7.7
95P1AJ110	7.5
95P1AJ111	7.3
95P1AJ112	7.7
95P1AJ113	7.5
95P2AJ001	7.3
95P2AJ002	7.3
95P2AJ003	6
95P2AJ004	6.3
95P2AJ005	6.4
95P2AJ006	6.7
95P2AJ007	6.6
95P2AJ008	6.6
95P2AJ010	7.3
95P2AJ011	7.2
95P2AJ013	7.8
95P2AJ014	7.8
95P2AJ015	7.9
95P2AJ016	7
95P2AJ017	6.6

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SAMPLE#	Mo C	u Pb	> Zn	Ag	Ni	Ça	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bî	٧	Ca	P	La	Cr	Mg	Ba	Тi	8	Al	Na	K	₩.	Au**	Pt**	Pd**
	ppm pp	n ppr	ppm	ppm	ppm	ppm	ppm	% β	ypan j	nqq	ppm	ppm	ppm	ppm	bbw þ	pm	ppm	%	%	ррп	ppm	%	ppm	%	nqc	%	*	%	ppm	ppb	ppb	ppb
95 PIAJ 001	2 50	4 461	72	4.4	55	31	243 5	.57	<2	<5	<2	<2	22	1.5	2	8	154	.87	.053	<1	55	1.23	12	.26	<3	1.50	.12	.03	<2	14	<3	16
95 PIAJ 002	2 83	5 42	56	.9	70	67	259 é	.74	<2	<5	<2	<2	25	1.6	<2	9	138	.92	.051	<1	60	1.39	7	.26	<3	1.67	.14	.03	<2	43	3	16
OF DIAL OF1	3 30	5 3067	142	27.3	37	17	546 4	.09	<2	<5	<2	<2	188	2.8	23	5	85	4.62	. 126	7	48	2.37	11	.22	3	4.71	.03	.02	<2	27	-3	<3

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: P1 ROCK P2 TO P5 MAOSS MAT AU** PT** PD** BY FIRE ASSAY & ANALYSIS BY ICP/GRAPHITE FURNACE.(30 gm)

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Angelique Justason FILE # 95-2591

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	Mc	<u> </u>	Dh	76	Āđ	Ni		Mo	Fe	Ae		ÂU	Th	Sr	Cd	Sb	Bi	٧	Ca	P	La	Сг	Mg	Ba	٦ĭ	В	AL	Na	κ	W	
SAMPLE#	ppm	ppm	ppm	ppm	ppm ~9	ppm	ppm	ppm	`%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	*	ppm	ppm	ž	ppm	%	ppm	%	%	%	ppm	
95 PIAJ 003 95 PIAJ 004 95 PIAJ 005 95 PIAJ 006 95 PIAJ 007	1 1 1 1	77 89 78 73 86	<3 3 <3 <3 3 3	35 37 33 34 26	<.3 <.3 <.3 <.3 <.3	29 31 31 30 22	14 15 14 13 14	413 445 404 403 447	4.60 3.89 4.25 4.58 4.03	2 <2 4 6	ও ও ও ও	<2 <2 <2 <2 <2 <2 <2 <2 <2	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	46 54 50 48 37	<.2 .2 <.2 .2 .2 <.2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~2 2 5 2 4	192 159 182 201 155	1.17 1.26 1.18 1.17 .87	.040 .040 .038 .038 .038	5 4 5 4	36 33 37 38 33	.85 .96 .87 .83 .57	22 17 15 18 20	.44 .44 .44 .44 .28	5 4 4 3	1.82 1.91 1.68 1.67 1.47	.05 .05 .05 .05 .05	.03 .03 .03 .03 .03	<2 <2 <2 <2 <2 <2	
95 PIAJ 008 95 PIAJ 009 95 PIAJ 010 95 PIAJ 011 RE 95 PIAJ 011	1 1 1 1	77 70 78 226 242	4 <3 <3 11 11	32 26 33 34 36	<.3 <.3 <.3 <.3 <.3	25 25 27 37 40	15 12 13 24 25	577 379 418 480 509	3.83 3.61 3.50 5.39 5.38	4 <2 13 9	<5 <5 <5 <5 <5	<>> <> <> <> <> <> <> <> <> <> <> <> <>	~~~~~ ~~~~~~	47 42 48 64 63	<.2 <.2 <.2 .5 <.2	<2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2	154 149 140 139 131	1.09 .99 1.10 1.25 1.26	.042 .036 .040 .058 .061	4 5 4 5 4	33 32 33 46 47	.79 .72 .82 1.24 1.30	20 15 18 20 21	-38 -37 -39 -32 -29	उ उ उ उ र	1,79 1,55 1,75 2,53 2,66	.05 .04 .05 .03 .03	.02 .04 .03 .05 .05	<2 <2 <2 <2 <2 <2	
95 PIAJ 012 95 PIAJ 013 95 PIAJ 014 95 PIAJ 015 95 PIAJ 016	<1 1 <1 1 1 <1	56 66 77 151 74	<3 5 3 <3 5	23 26 28 53 28	<.3 <.3 <.3 <.3 2.5	23 24 28 49 26	10 11 12 23 12	276 302 328 743 310	5.13 4.62 4.65 4.87 5.34	3 <2 <2 <2 <2	<5 <5 <5 <5 <5	<2 <2 <2 <2 13	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	39 41 45 56 42	<.2 .2 .2 <.2	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	2 4 <2 3 3	206 186 183 168 217	.96 .97 1.04 1.20 .99	.050 .043 .047 .039 .041	6 5 7 3 5	37 35 38 49 39	.58 .68 .74 1.63 .69	19 17 18 12 15	.32 .34 .35 .50 .37	⊲ 4 3 3 3	1.23 1.37 1.51 2.30 1.35	.05 .04 .05 .03 .04	.03 .02 .02 .03 .02	~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
95 PIAJ 017 95 PIAJ 018 95 PIAJ 019 95 PIAJ 020 95 PIAJ 021	<1 <1 <1 1 <1	73 90 80 81 81	<3 3 4 4	27 28 26 26 27	<.3 <.3 <.3 <.3 <.3	28 25 25 24 31	13 13 13 12 13	300 364 385 302 309	6.43 4.62 4.33 5.18 6.62	3 2 4 <2 2	<5 <5 <5 <5	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	<2 <2 <2 <2 <2 <2 <2	42 46 42 41 43	.3 .4 <.2 .3 .3	<2 <2 <2 <2 <2 <2	<2 6 <2 <2 <2 <2	261 181 175 210 267	1.01 1.04 1.00 .96 1.00	.047 .045 .041 .043 .044	6 4 5 4	45 38 36 39 47	.66 .75 .73 .67 .71	17 19 14 14 14	.37 .34 .34 .34 .38	उ 4 उ उ उ	1.33 1.60 1.42 1.31 1.34	.04 .05 .04 .04 .04	.02 .02 .03 .03 .02	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	
95 PIAJ 022 95 PIAJ 023 95 PIAJ 024 95 PIAJ 025 95 PIAJ 026	<1 <1 <1 <1 <1 <1	76 89 80 90 84	<3 <3 <3 <3 3	26 28 28 33 33	<.3 <,3 <.3 <.3 <.3	28 27 28 29 30	12 13 12 13 14	309 322 295 385 404	5.28 5.05 5.69 4.93 5.01	3 <2 4 2 2	ও ও ও ও ও	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	< < < < < < < < < < < < < < < < < < < <	43 43 42 38 36	.2 .2 .4 .2 <.2	<2 <2 <2 <2 <2 <2	<2 <2 <2 <2 <2 <2 <2	214 203 232 199 200	1.00 1.01 1.00 .99 .99	.042 .041 .044 .038 .038	5 5 5 5	42 40 42 40 39	.70 .74 .73 .81 .83	13 15 14 13 12	.37 .37 .39 .40 .40	उ उ उ उ उ	1.35 1.49 1.34 1.47 1.44	.04 .04 .04 .04 .03	.01 .02 .02 .02 .02	< < < < < < < < < < < < < < < < < <> </td <td></td>	
95 P1AJ 027 95 PIAJ 028 95 PIAJ 029 95 PIAJ 030 95 PIAJ 031	1 <1 <1 1 <1	84 95 91 88 65	ব্য ব ব্য ব্য	28 29 29 35 29	<.3 <.3 <.3 <.3 <.3	30 30 25 26 25	12 13 14 13 15	302 289 333 418 314	5.19 6.68 6.83 5.26 14.74	<2 3 <2 4 4	<5 <5 <5 <5	<2 <2 <2 <2 <2 <2 <2	< < < < < < < < < < < < < < < < <> </td <td>41 38 40 32 26</td> <td>.3 .5 .6 .2</td> <td><2 <2 <2 <2 <2 <2</td> <td>5 3 3 3 <2</td> <td>215 270 260 198 555</td> <td>1.00 .94 .88 1.06 .76</td> <td>.040 .045 .052 .052 .060</td> <td>4 7 5 7</td> <td>40 44 47 38 66</td> <td>.79 .74 .69 .88 .55</td> <td>11 15 30 19 16</td> <td>.41 .37 .20 .34 .20</td> <td>3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3</td> <td>1.35 1.35 1.66 1.78 1.11</td> <td>.04 .05 .06 .05 .03</td> <td>.02 .01 .03 .02 .02</td> <td><2 <2 <2 <2 <2 <2 <2 <2 <2</td> <td></td>	41 38 40 32 26	.3 .5 .6 .2	<2 <2 <2 <2 <2 <2	5 3 3 3 <2	215 270 260 198 555	1.00 .94 .88 1.06 .76	.040 .045 .052 .052 .060	4 7 5 7	40 44 47 38 66	.79 .74 .69 .88 .55	11 15 30 19 16	.41 .37 .20 .34 .20	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1.35 1.35 1.66 1.78 1.11	.04 .05 .06 .05 .03	.02 .01 .03 .02 .02	<2 <2 <2 <2 <2 <2 <2 <2 <2	
95 PIAJ 032 95 PIAJ 033 95 PIAJ 034 95 PIAJ 035 95 PIAJ 036	<1 1 1 <1 <1	83 73 75 67 83	<3 <3 <3 <3 3	30 27 28 26 27	<.3 <.3 <.3 <.3 <.3	27 22 24 22 23	13 12 12 11 12	323 285 301 266 272	6.09 8.22 7.65 7.57 8.71	<2 4 4 <2 7	<5 <5 <5 <5	\$ \$ \$ \$ \$ \$	<2 2 2 2 2 2 2 2 2 2	41 36 37 32 32	.2 <.2 .5 <.2 .2	<2 <2 <2 <2 <2 <2	<2 3 2 <2 <2	235 321 298 299 344	.94 .75 .75 .68 .69	.050 .058 .061 .057 .060	4 7 7 7 7	43 54 56 54 57	.73 .54 .56 .52 .55	20 24 25 21 21	.30 .17 .16 .16 .17	ও ও ও ও ও ও ও	1.50 1.32 1.38 1.19 1.23	.04 .04 .04 .04 .04	.03 .03 .02 .03 .02	₹ ₹ ₹ ₹ ₹ ₹ ₹	
STANDARD C	20	60	40	128	7.0	77	32	1098	3.90	45	19	7	35	49	17.8	20	20	68	.50	.094	43	59	.89	185	.08	29	1.87	.06	. 15	11	

AAA DONE ANALYTECAN

Angelique Justason FILE # 95-2591

ΔД

																													ACHE	ANALYTICAL
SAMPLE#	Mo ppm	Cu	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U mqq	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	A1 %	Na %	к %	W ppm
95 PIAJ 037 95 PIAJ 038 95 PIAJ 039 95 PIAJ 040 95 PIAJ 041	1 <1 <1 <1	74 58 53 57 71	7 <3 <3 <3 <3	29 27 25 26 28	<.3 <.3 <.3 <.3 <.3	23 17 19 20 23	14 11 11 13 14	351 309 312 367 381	7.84 8.08 7.19 9.94 11.06	11 9 8 9 10		<2 <2 <2 <2 <2 <2	2 2 2 3	42 39 35 37 39	.9 .6 .7 1.2 1.0	< < < < < < < < < < < < < < < < < < < <	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	270 283 248 350 393	.82 .75 .64 .72 .79	.064 .072 .056 .070 .075	8 8 7 9 9	49 48 51 56 62	.58 .48 .43 .45 .51	27 26 26 27 25	.18 .17 .15 .16 .18	31 31 31 31 31	.39 .23 .29 .18 .19	.05 .05 .04 .04 .05	.04 .04 .04 .04 .03	<2 <2 <2 <2 <2
95 PIAJ 042 95 PIAJ 043 95 PIAJ 044 95 PIAJ 045 95 PIAJ 046	<1 <1 <1 1	63 105 26 31 37	उ उ उ उ उ	27 23 27 54 34	<.3 <.3 <.3 <.3 <.3	21 18 10 10 16	11 9 13 16 17	342 500 414 968 710	7.66 2.25 7.34 3.72 5.86	8 6 5 7		<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	3000 2000	39 49 42 48 61	.5 .2 .6 .4	~2 4 ~2 ~2 3	2 <2 <2 <2 <2 <2 <2 <2 <2	269 73 275 130 192	.78 1.04 .70 .83 .96	.071 .060 .119 .114 .103	10 3 9 10 7	47 25 40 26 27	.51 .53 .38 .46 .62	26 19 42 74 38	. 18 . 15 . 11 . 14 . 13	3 6 3 4 3 3	.28 .38 .07 .83 .81	.05 .06 .03 .05 .05	.05 .11 .07 .11 .09	<2 <2 <2 <2 <2 <2
95 PIAJ 047 95 PIAJ 048 95 PIAJ 049 95 PIAJ 050 95 PIAJ 052	1 <1 1 1 <1	24 19 27 16 18	<3 <3 8 7 <3	26 24 47 24 21	<.3 <.3 <.3 <.3 <.3	13 13 82 22 11	14 11 15 10 10	792 301 384 313 263	3.20 7.09 3.10 4.75 6.46	6 7 2 6 4	<5 <5 <5 <5 <5	<> <> <> <> <> <> <> <> <> <> <> <> <> <	< 2 2 2 2 2 2 2 2 2 2 2 2 2	42 46 99 60 49	.2 .5 .4 .3 .7	3 <2 4 2 <2	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	97 240 76 136 213	.66 .68 1.25 .67 .71	.083 .082 .118 .074 .085	7 6 4 7	27 39 119 40 34	.31 .38 2.03 .69 .40	56 26 41 33 28	.10 .09 .17 .09 .09	3 3 4 3 3	1.58 1.04 4.07 1.69 1.13	.03 .04 .04 .03 .04	.08 .04 .05 .05 .05	<2 <2 <2 <2 <2 <2
RE 95 PIAJ 052 95 PIAJ 053 95 PIAJ 054 95 PIAJ 055 95 PIAJ 056	<1 <1 1 1	17 127 104 166 41	<3 <3 <3 <3 <3	22 33 32 41 35	<.3 <.3 <.3 <.3 <.3	10 41 24 48 10	11 15 10 18 15	264 352 356 437 733	6.73 5.83 2.30 4.37 4.57	6 6 3 6 2	ও ও ও ও	<> <> <> <> <> <> <> <> <> <> <> <> <> <	2 <2 <2 <2 <2 2	48 47 46 72 32	.4 .5 .2 .7 .4	<2 <2 2 3 2	<2 <2 <2 2 3	224 197 72 130 163	.71 .90 1.31 1.58 .57	.085 .050 .058 .045 .067	6 5 3 3 10	35 59 30 75 25	.39 .87 .69 1.68 .32	27 20 18 15 61	.09 .24 .18 .22 .16	4 5 3 3	1.12 1.73 1.55 3.14 1.66	.04 .04 .08 .08 .02	.03 .03 .14 .07 .04	<2 <2 <2 <2 <2 <2 <2
95 PIAJ 057 95 PIAJ 058 95 PIAJ 059 95 PIAJ 060 95 PIAJ 061	<1 2 2 1 <1	111 40 47 45 74	4 4 5 4 3	36 32 41 40 33	<.3 <.3 <.3 <.3 <.3	23 11 10 18 16	11 11 14 12 9	472 601 733 744 464	4.16 4.42 3.56 4.19 3.53	4 <2 7 3 <2	<5 <5 <5 <5	<2 <2 <2 <2 <2 <2	<2 <2 <2 <2 <2 <2	44 33 53 44 50	.3 .3 .4 .3 .2	2 <2 <2 <2 <2 <2	<2 3 3 <2 <2	143 152 117 134 109	.89 .57 .88 .89 .93	.067 .051 .093 .080 .045	7 7 10 7 5	39 27 22 34 27	.63 .29 .42 .60 .58	30 44 68 38 43	.18 .20 .16 .16 .19	4 3 4 4 4	2.18 2.24 2.16 1.72 1.86	.04 .03 .05 .04 .05	.05 .03 .10 .06 .07	<br <br <br <br </td
95 PIAJ 062 95 PIAJ 063 95 PIAJ 064 95 PIAJ 065 95 PIAJ 066	1 <1 <1 1 <1	91 37 33 50 59	5 6 3 3 3	41 63 27 36 26	<.3 <.3 <.3 <.3 <.3	22 20 13 13 16	10 11 8 11 11	803 678 440 704 399	2.74 4.46 9.01 6.26 10.57	5 4 3 4 3	<5 <5 <5 <5	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	<2 <2 3 3 3 3 3	62 74 37 34 32	.5 .5 .6 .3 1.0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<2 <2 4 5 <2	82 117 233 162 287	1.27 1.09 .73 .79 .78	.057 .060 .070 .062 .059	8 8 12 10 8	39 35 32 25 35	.75 1.01 .38 .45 .41	38 108 48 38 26	.18 .16 .12 .16 .17	4 3 3 3 3	2.21 2.32 1.07 1.64 1.11	.05 .07 .05 .04 .05	.07 .05 .05 .04 .03	2 <2 <2 <2 <2 <2 <2
95 PIAJ 067 95 PIAJ 068 95 PIAJ 069 95 PIAJ 070 95 PIAJ 071	2 <1 <1 <1 <1	15 19 31 60 46	9 <3 <3 3 11	21 23 36 31 49	<.3 <.3 <.3 <.3 <.3	5 6 12 10 109	16 10 12 9 22	1103 291 334 309 1928	4.49 10.12 6.58 4.85 2.70	<2 3 3 3 <2	<5 <5 <5 <5 <5	<2 <2 <2 <2 <2 <2	<2 2 2 2 2 2 2 2 2 2 2 2	35 23 51 36 31	.2 .7 .6 .4	<2 <2 <2 <2 <2 <2	\$2 4 \$2 \$2 \$2	148 436 261 174 58	.48 .63 .87 .78 1.77	.084 .152 .154 .061 .078	5 14 12 6 2	20 58 37 28 51	.30 .26 .62 .45 1.00	37 30 61 30 26	.11 .11 .19 .16 .09	3 3 4 3 7	1.21 .70 2.17 1.66 2.14	.03 .03 .03 .04 .03	.04 .05 .12 .05 .06	<2 <2 <2 <2 <2 <2 <2
STANDARD C	19	60	35	133	6.9	76	31	1120	4.07	44	19	7	35	51	17.9	18	20	61	.52	.095	41	58	.91	184	.09	30	1.93	.06	. 16	10

AAA AMA

Angelique Justason FILE # 95-2591

																													AC	IE ANALYTICAL
	SAMPLE#	Mo	Cu ppn	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U mqq	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	۷ مرجع	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B Al ppm %	Na %	к %	W ppm
	95 PIAJ 072 95 PIAJ 073 95 PIAJ 074 95 PIAJ 075 95 PIAJ 076	<1 <1 <1 <1 <1 <1	107 115 48 93 102	29 3 8 8 4	111 65 66 60 50	.4 .5 .4 .3	195 164 179 203 38	40 35 39 29 18	1245 749 2131 1508 656	5.19 6.67 3.01 4.62 5.95	<2 2 4 5 6	5 <5 7 <5 <5	<2 <2 <2 <2 <2	<>> <> <> <> <> <> <> <> <> <> <> <> <>	28 34 39 27 36	.9 .7 .2 .6 .3	6 7 3 5 6	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	85 149 68 108 170	1.22 1.34 1.48 1.12 1.00	.046 .038 .057 .048 .046	2 2 5 4 5	71 58 50 53 32	2.93 2.83 1.20 1.97 1.01	17 16 40 32 20	.23 .39 .14 .32 .32	7 4.05 5 3.29 9 2.28 6 2.44 5 2.03	.04 .07 .03 .06	.03 .04 .04 .04 .04 .05	<2 <2 <2 <2 <2 <2
	95 PIAJ 077 95 PIAJ 078 95 PIAJ 079 95 PIAJ 080 95 PIAJ 081	<1 <1 <1 <1 <1	91 123 103 144 91	9 <3 <3 5 6	42 58 58 80 55	.4 .4 .3 .6	34 42 37 46 91	17 21 20 25 23	494 657 875 1360 581	6.25 4.80 4.88 5.63 5.47	4 5 6 2 4	<5 <5 <5 9 6	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	~~~~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	32 37 33 36 26	.3 .4 .6 .4	5 8 6 8 7	<2 <2 <2 <2 <2 <2	180 136 145 173 155	.93 1.19 1.05 1.76 1.34	.043 .042 .040 .053 .037	4 3 4 3	30 32 33 35 40	.90 1.39 1.13 1.70 1.81	20 19 19 18 17	.30 .45 .41 .49 .42	3 1.70 4 2.51 5 2.41 6 3.43 4 2.40	.07 .07 .05 .03	7 .03 7 .03 5 .04 5 .04 5 .02	<2 <2 <2 <2 <2 <2
	95 PIAJ 082 95 PIAJ 083 95 PIAJ 084 95 PIAJ 085 95 PIAJ 085	<1 <1 <1 <1 <1	101 102 111 107 108	5 3 4 6 <3	55 57 61 60 62	.3 .4 .4 .4 .3	93 100 92 93 91	24 26 26 27 26	578 577 564 560 593	5.93 7.00 6.92 6.98 6.42	3 5 6 5 3	7 7 5 11 11	< < < < < < < < < < < < < < < < < < <	~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	26 26 28 27 27	.9 .8 .9 1.1 .8	8 5 4 6	<2 < <2 < <2 < <2 <<2 <<2 <<	171 210 203 204 188	1.41 1.54 1.41 1.37 1.62	.039 .040 .038 .038 .038	3 3 2 2 2	42 45 41 42 40	1.85 1.93 1.89 1.89 2.03	14 12 12 13 13	.42 .46 .47 .45 .47	6 2.44 3 2.4 5 2.4 4 2.4 4 2.6	.00 .00 .00 .00	5 .03 5 .03 5 .02 5 .03 5 .03	<2 <2 <2 <2 <2 <2
	RE 95 PIAJ 086 95 PIAJ 087 95 PIAJ 088 95 PIAJ 089 95 PIAJ 090	<1 <1 <1 <1	110 108 118 102 111	4 5 4 3 9	62 61 66 58 72	.3 .3 .4 .3 .4	93 91 89 86 198	26 26 26 24 49	600 612 666 587 2475	6.24 6.86 5.80 5.89 4.85	<2 2 7 2 <2	7 9 7 8 <5	<2 <2 <2 <2 <2 <2	<2 <2 <2 <2 <2 <2	27 27 30 28 37	.6 .6 .9 1.0 .5	4 3 8 5 4	<2 <2 <2 <2 <2 <2	182 208 167 175 107	1.60 1.68 1.52 1.45 1.38	.036 .038 .038 .034 .034	3 2 3 2 4	40 42 40 39 55	2.03 1.99 1.94 1.85 1.50	13 13 15 13 27	.46 .47 .47 .45 .31	5 2.6 3 2.6 5 2.9 3 2.5 14 2.5	6 .04 2 .04 2 .04 0 .04 0 .04 0 .04	5 .03 6 .02 6 .02 6 .02 3 .02	<2 <2 <2 <2 <2 <2
	95 PIAJ 091 95 PIAJ 092 95 PIAJ 093 95 PIAJ 094 95 PIAJ 095		101 56 48 48	3 4 5 <3 5 4 5 4 7	76 24 22 23 23	.3 <.3 <.3 <.3 <.3	246 28 22 23 27	43 11 10 10 12	1913 367 305 289 402	5.21 7.90 7.27 5.89 6.44	2 4 <2 3 3	<5 <5 <5 <5	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	<2 <2 <2 <2 <2	35 26 24 23 29	.7 .8 .7 .5 .4	5 4 5 3 3	2 <2 4 3 <2	101 233 204 169 185	1.26 .69 .63 .61 .75	.061 .047 .047 .041 .044	3 6 7 6 5	74 33 30 28 30	2.59 .50 .44 .48 .56	25 23 25 22 28	.31 .18 .15 .15 .18	6 3.4 3 1.2 <3 1.1 3 1.2 4 1.5	2 .0 2 .0 1 .0 5 .0 5 .0	4 .04 5 .04 5 .03 5 .04 6 .04	, <2 , <2 , <2 , <2 , <2 , <2 , <2 , <2
Ì	95 PIAJ 096 95 PIAJ 097 95 PIAJ 098 95 PIAJ 099 95 PIAJ 009	* * * * * * * *	49 60 54 63 61		24 26 26 24 27 3 27	.3 <.3 <.3 <.3 <.3	21 26 26 35 40	10 11 11 14 13	305 419 345 414 402	6.21 4.77 8.04 9.83 8.09	3 4 3 6 <2	<5 <5 <5 <5	< < < < < < < < < < < < < < < < < < < <	< < < < < < < < < < < < < < < < < < <	24 29 25 24 24	.4 .3 .4 .7 .7	<2 <2 <2 3 4	2 2 4 <2 3	181 140 229 273 221	.62 .72 .69 .71 .75	.037 .040 .047 .052 .050	4 6 8 5	28 26 33 39 35	.50 .56 .51 .63 .69	23 30 25 24 25	. 17 . 18 . 17 . 17 . 19	4 1.2 3 1.5 <3 1.2 <3 1.3 <3 1.4	B .0 6 .0 5 .0 4 .0 5 .0	5 .0 6 .0 6 .0 5 .0 5 .0	<pre>2 <2 5 <2 2 <2 3 <2 3 <2 3 <2 3 <2</pre>
	95 PIAJ 101 95 PIAJ 102 95 PIAJ 103 95 PIAJ 104 95 PIAJ 105		1 68 1 69 1 50 1 50	3 (5 <3 5 <3 6 /	5 47 5 28 5 27 4 26 4 27	<.3 <.3 <.3 <.3 <.3	60 33 34 34 34	15 12 13 13 12	487 398 393 401 386	8.14 5.42 10.88 10.02 5.88	5 4 4 3	<5 <5 <5 <5	<2 <2 <2 <2 <2 <2	<2 <2 5 2 2	21 28 22 23 26	.7 .2 1.0 1.0 .5	5 2 3 <2 3	2 3 4 2	208 152 297 277 166	8 .84 .73 .69 .69 .71	.048 .039 .055 .049 .039	6 5 6 7 6	43 30 41 41 30	1.02 .73 .62 .60 .69	22 31 24 23 26	.23 .21 .17 .18 .20	3 1.7 3 1.7 <3 1.2 <3 1.2 <3 1.4	9 .0 1 .0 3 .0 3 .0 2 .0	5.0 6.0 6.0 6.0 6.0	\$ <2 \$ <2 2 2 2 <2 3 <2
	STANDARD C	1	8 5	6 3	7 121	6.3	71	29	1039	3.79	42	19	7	33	46	16.4	16	19	64	47	. 088	39	56	5.84	171	.08	30 1.7	7.0	16 .1	4 10

ACHE ANALYTICA

Angelique Justason FILE # 95-2591



	ACHE ANALYTICAL																	·						· <u> </u>							··	
·	SAMPLE#	Mo	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B Ppm	Al 	Na %	K %	Ppm	
1	95 PIAJ 106 95 PIAJ 107 RE 95 PIAJ 107 95 PIAJ 108 95 PIAJ 109	1 <1 <1 <1 <1	68 47 48 60 55	3 3 <3 3 <3	45 34 33 33 35	<.3 <.3 <.3 <.3 <.3	73 46 44 51 66	24 14 13 14 16	1289 390 375 427 393	5.32 9.28 9.19 7.23 10.16	<2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <	\$ 6 5 5 5 5	<2 <2 <2 <2 <2 <2 <2 <2 <2	2 3 3 3 4	31 24 23 26 22	.9 .4 <.2 .3 .3	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3 2 2 4 3	149 257 255 201 282	1.15 .73 .72 .78 .75	.041 .047 .048 .033 .049	3 2 5 4 4	38 42 40 39 49	1.28 .79 .76 .89 .96	24 17 17 26 18	.26 .18 .17 .21 .19	4 3 3 3 3	1.92 1.23 1.20 1.63 1.34	.06 .05 .05 .06 .05	.04 .04 .04 .03 .03	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	95 PIAJ 110 95 PIAJ 111 95 PIAJ 112 95 PIAJ 113 95 PIAJ 113 STANDARD C	<1 <1 <1 <1 19	46 50 53 59 52	<3 <3 <3 <3 39	39 46 35 36 124	<.3 <.3 .6 <.3 6.6	164 355 55 58 73	23 38 15 17 30	505 660 397 408 1052	9.89 10.29 11.07 12.47 3.77	<2 <2 <2 <2 40	<5 <5 <5 23	<2 <2 <2 <2 <2 6	4 3 4 5 34	20 19 23 23 47	<.2 <.2 .4 <.2 17.5	<2 <2 <2 <2 19	6 <2 4 <2 20	256 242 306 341 63	.67 .70 .75 .78 .48	.046 .045 .056 .059 .088	4 4 4 40	48 58 44 50 54	1.76 3.14 .82 .89 .85	17 18 19 19 19	.17 .16 .17 .18 .08	<3 <3 <3 <3 28	1.27 1.58 1.22 1.27 1.80	.04 .05 .05 .06 .06	.03 .03 .04 .03 .15	<2 <2 <2 <2 <2 8	

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE Angelique Justason File # 95-4078 Page 1

15 - 1215 Craigflower Ros, Victoria BC V9A 2X9

SAMPLE#	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Ų	Th	Ŝr	Cd Sb	81	۷	Ca	P La	Cr	M	j 8a	Ti	6	Al	Na	ĸ	¥	TI	Hg	Se	Τŧ	Ĝæ	Au+
	ppm	РРШ	6 bw	ppm	ppb	ppm	ррт	ppm	%	ip pm	ppm	ppm p	pm	ppm ppm	ppm	ppm	%	% ppm	ppn	n î	4 ppm	%	ppm	%	2	%	ppm	ppm	ppb	ррт	рμш	ppm	ppb
							-																_				-0				12.4		167
95P2AJ007	3.1	13.7	8.2	2.0	5134	12	32	491	6,40	28.3	<5	21	24	.11 <.2	14.4	2	11.33 .05	3 2	4	.0	5 22	.01	<2	, 16	.01	. 14	<2	. 1	15	1,5	12.4	<.9	157
95P2AJ008	3.0	201.7	1.6	2.9	357	10	1	49	. 52	3.6	<5	<1	4	.11 ,5	2.0	2	.26<.00	12 <1	. 9	.0	2 4	<,01	<2	.08<	01	.01	<2	<.1	<5	<.3	1.3	<.s	2
95P2AJ012	.5	110.9	1.5	45.3	55	47	24	429	4.12	1.8	<5	<1	40	.05 .4	.1	96	1.48 .04	7 3	48	3 2.0	2 4	. 49	<2	1.79	.03	.01	<2	<.1	19	1.5		6.1	•
95P2AJ018	1.1	106.0	6.3	24.1	80	27	19	246	3.21	<.5	<5	1	81	.04 1.3	.1	114	1.57 .08	34 3	I E	5 1.0	7 40	.18	<2	1.77	. 18	.08	<2	<.1	15	.5	,1	5.0	2
95P2AJ019	1.4	62.1	1.4	24,3	37	26	13	253	2.17	≺.5	<5	<1	63	.07 .2	<.1	68	1.50 .07	8 3	36	.9	3 24	. 11	<2	1.62	. 19	.05	<2	<.1	11	. 3	<.1	3.3	<1
45024.1020	9	4.9	2.7	1.9	<30	4	<1	58	. 38	.8	<5	25	16	.02 <.2	<.1	6	.80<.00	2 16	; •	. o.	3 17	. oz	<2	. 58	.04	.05	3	<.1	<5	د.>	<.1	1.9	1
05024 1021	3.0	707 3	<i>i</i>	108 7	195	72	63	300	11.16	1.8	<5	3	45	.14 <.2	<.1	648	1.50.42	3 23	47	.9	1 110	.27	<2	1.48	.16	. 97	<z< td=""><td>.5</td><td>10</td><td>.7</td><td>.1</td><td>12.1</td><td>3</td></z<>	.5	10	.7	.1	12.1	3
06D2A3022	1 2	66 7	1 1	11.4	34	25	10	229	1.23	<.5	<5	1 1	04	.07 <.2	.1	39	2.12 .06	5 3	31	.7	z 21	. 10	<2	2.14	.24	. 06	<2	<.1	12	<.3	<.1	3.4	1
93F2A0022	1 1	64 1	1 2	11.4	< 30	24	10	169	1 13	<.5	<5	1 1	02	.07 <.2	.1	37	2.08.06	54 3	; 28	3.7	5 Z1	. 10	<2	2.09	.23	.05	<2	.1	<5	. 3	<.1	3.0	<1
RE JOPEAUVEE	1-1	67 3	1.2	12 2	-30	24	11	181	1 23		-5 -5	1 1	08	.07 <.2	.1	40	2.22 .06	6 3	3 34	4.7	7 23	11	15	2.22	.26	.06	<2	. 1	<5	<.3	<.1	3.6	<1
KHE 95PZAJUZZ	.0	0/.5	1.5	16.3	01			101	1.20						•	••																	
95P2AJ023	1.5	64.1	17.7	Z6.8	146	22	16	269	2.06	1.9	<5	1	73	.06 4.2	. 1	59	1.28 .07	2 3	4	1 1.2	8 36	. 14	21	1.50	.13	,09	<2	.1	8	.8	<.1	3.1	1
95P2AJ024	.9	3.8	1.6	382.6	<30	8	19	2758	5.67	<.5	<5	3	93	.03 <.2	.Э	89	.75 .06	67 4	1 9	9 2.2	3 45	i.11	<2	2.75	. 10	.03	<2	<.1	6	<,3	<.1	7.0	1
95P2AJ025	1.3	10.9	3.3	26.4	45	7	4	202	1.78	.6	<5	35	48	.06 .2	. 1	60	1.10 .00)8 7	1 1	1.2	8 13	. 18	<2	.90	.02	.09	5	<.1	6	<.3	<.1	4.5	3
95P2AJ026	.7	772.1	2.7	46.1	1336	40	15	352	1.55	.7	<5	2 2	71	.28 .2	.1	45	1.95 .07	6 3	56	9. B	5 242	2.12	4	1.56	.06	.02	<2	- 2	9	.7	<.1	4.8	z
95P2AJ027	1.8	590.0	1.2	22.5	271	30	31	313	6.94	5.2	<5	31	82	.12 <.2	<.1	98	.62 .04	15 3	1 10	5 .8	8 42	2 .23	<2	1.79	.13	.05	<2	<.1	17	.8	. 1	7.3	12
95P2AJ028	11.9	153.0	. 9	33.5	91	4	8	457	2.84	3.4	<5	4	36	.05 <.Z	. Z	64	.85 .04	19 9	9 13	1,8	5 135	5 .20	Э	1.28	. 18	.25	4	. 1	6	. 4	<.1	5.2	1
95PZAJ029	1.9	24.6	1.6	42.6	35	в	7	541	2,58	2.3	<5	6	83	.02 <.2	<.1	39	1.05 .04	12 14	1	1.9	9 24	4 .01	3	1.33	.08	.05	<2	<,1	7	<.3	<.1	4.8	1
95P2A.1030	1.5	6.5	5.7	111.9	<30	5	8	623	1,96	7.0	<5	5	78	.08 .5	, 1	25	1.56 .03	39 E	3	7 1.0	2 23	01	3	1.27	.03	. 04	<2	<.1	<5	<.3	<.1	4.3	1
95924.1031	7	5.4	. 5	43.0	<30	6	8	575	2.81	.6	<5	3	56 -	<.01 <.2	<.1	54	.77 .05	53 12	2 13	z.8	1 289	5.21	<2	1.38	. 17	. 57	2	.1	7	<.3	<.1	4.7	<1
95024.1032	310.9	15450 6	3	50.7	22676	9	47	160	6.11	3.1	<5	1	24	1.71 4.0	332.4	8	. 34<.00	02 3	1 3	7.1	5 7	.01	<2	, 48-	<.01	. 02	11	4.0	94	21.6	4.0	20.0	2
JULENOVOL	~ • • • • •			2017		•	• • •				-	-	- • •																				
95P2A-10.33	Z3.0	230.0	9.0	92.5	5730	7	22	411	6.47	2.9	<5	2	29	1.35 <.2	202.5	18	.43 .02	25 6	5	7.5	3 14	.02	<2	, 97	. 02	.06	<2	. 1	11	9.3	з.7	5.3	<1
STANDARD D/C/AU-R	21.4	119.0	81.8	274.9	1893	29	14	931	4.38	68.9	16	21	60 3	Z.30 9.9	22.1	70	.70 .09	94 17	75	1 1.1	7 238	3 .15	25	2.07	.05	.70	19	2.4	1874	.a	2.1	6.9	495
																					• •												

ICP - 15 GRAM SAMPLE IS DIGESTED WITH 90 ML 3-1-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. WO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%. - SAMPLE TYPE: P1 ROCK P2 MOSS MAT AU+ - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCI 11 1995 DATE REPORT MAILED:

Angelique Justason FILE # 95-4078



ACHE ANALYTICA

ACHE ABALTTICAL																																_			
SAMPLE#	Mo (Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe %	As DOM	U	Th	Sr DOM	Cd	Sb DDM	Bi	V	Ca %	Р %	La	Cr ppm	Mg X	Ba ppm	⊺i % ∣	8 Spm	Al X	Na %	K X	¥ ∣ppm	Ti. ppm	Hg ppb p	Se ppm	Te ppm p	GaA pmp	u+ pb
	hhin hi	pan	PP-III	- Primer	144	Phin I	- Print	PPm		- PP-II		PP'''	FF	FF		· · ·					· · · -		••		<u> </u>								_		
95P2AJ001 95P2AJ002 95P2AJ003 95P2AJ003	.3 59 .8 194 .8 231	.6 .0 .3 3 1	1.6 9.2 9.6	25.7 35.2 30.8 42 1	53 187 220 285	18 33 29 35	12 26 24 30	253 433 360 375	4.39 5.27 6.05 6.52	.7 9.7 8.4 14.9	<5 <5 <5	1 1 1	36 61 62 63	.05 .16 .16 .18	<.2 <.2 <.2 <.2	.1 .7 .4 1.5	173 128 154 142	.80 1.07 1.04 1.13	.039 .054 .065 .069	4 3 3 4	35 47 49 53	.58 1.18 1.01 1.21	16 21 19 19	.27 .26 .25 .26	<2 1. <2 2. <2 2. <2 2.	28 68 43 76	.04 .03 .03 .03	.02 .05 .04 .05	<2 <2 <2 2	<.1 .1 <.1 <.1	42 60 64 61	.4 .9 .8 i.1	.15 .68 .98 1.48	.12 .5 .6 .01	13 12 96 91
70F2A0004	0 242	·		15 7	474	22	22	TOE	E 73	4.2	-5	- i	57	11	23	< 1	164	00	050	3	45	.81	20	.25	<2.2.	18	.03	. 04	<2	.1	- 44	.7	4 7	.6	91
95P2AJ005	.8 212	•r • -	4.3	45.3	151	21	22	293	0.72	0.2	<	י -	،ر ۲۸		~ 2	~•· > >	104	1 27	.077	4	54	1 48	17	.24	<23.	19	.03	.04	<2	.1	45	1.8	2.1 9	.8 1	02
95P2AJ006	1.6 420	.4 Z	20.6	59.4	581	42	4U	444	8.21	4Z.1	< >	2	01	. 30	<u>~.c</u>	<u> </u>	124	1.21	.0//		- 27	1.40				7/	07	nE	5	- 4	77	1 8	2 7 0	T.	61.
RE 95P2AJ006	1.5 424	.4 2	21.5	39.7	556	41	40	444	8.28	42.8	<5	1	68	.31	<.2	2.8	126	1.50	-077	- 4	20	1.48	11	. 22	<2 3.	24	.03	.05	~	<u></u>			L.J 7		20
95024.1009	.9 295	.2	5.0	33.9	228	44	48	450	5.44	7.6	<5	<1	84	.14	<,2	.2	120	1.21	.050	2	48	1.16	- 32	.23	<2 3.	57	-04	-05	<2	•1	87	2.1	.5 9	•••	40
05024 1010	/ 170	0	1 0	58 6	43	47	26	540	4 67	1.2	<5	<1	53	. 09	<.2	.1	141	1.03	.032	2	- 51	1.79	- 11	.44	<2.2.	42	.03	.04	<2	<.1	51	.5	.17	.6	5
93P2A3010	.4 170		1.7	/0.0		71	20	704	1.07	4 7		- 1	40	17	- 2		176	1 17	043	2	50	1 75	14	30	<2.2	31	.03	-09	<2	<.1	121	1.0	-17	'.2	27
95PZAJUTT	.5 166	.4	2.6	00.2	70	42	20	101	4.23	1.7	~ >	~ 1	00		~. 4	• '	120			-	20		•••						-	•					
95P2AJ013	.3 67	.1	1.7	27.7	35	20	11	246	5.29	.7	<5	1	37	.05	<.2	.3	208	.83	.044	5	40	.60	10	.28	<2 1.	25	.04	.05	<2	<.1	45	.3	<.1 5	.1 1	18
95P2AJ014	.3 179	.1	1.3	37.3	44	31	16	458	3.68	1.3	<5	<1	- 37	.09	<.2	<.1	120	.91	,040	- 3	- 44	1.13	9	.57	41.	65	.02	.02	<2	<.1	47		• • • •	.0	
05024 1015	8 740	Ö.	4.4	66 1	142	42	24	1719	3.45	4.2	<5	<1	65	.30	<.2	<.1	109	2,30	.065	- 4	72	1.24	- 15	.31	32.	.61	.02	.09	<2	<.1	264	5.6	.3 5	.5	6
05004 1016	2 46	5	1 5	22 7	113	18	10	763	5 04	< 5	<5	1	35	. 05	<.2	.1	234	. 82	.047	5	45	.49	- 14	.26	<2.1.	.11	.04	.03	<2	<.1	30	<.3	<.1.5	6.0 4	49
YOPZAJUIO	.2 07	. 4	1.2	26+1	-70	10	44	240	1 74			-	11	07		1	141	04	045	Ā	41	A4	12	30	<2.1	62	- 05	- 04	<2	<.1	34	<.3	<.1 6	5.2	19
95P2AJ017	.2 122	.1	1,5	30.4	<30	21	11	200	4.20	5.0	< 2	J	44	.07	`. ∠	.	101	. 70	.040		41		16	• • •	· _ 1			• - •	-	- •	5.				
STANDARD D/C	22.3 114	.4 8	89.3	266.3	1798	29	14	895	4.26	65.7	22	19	57	2.12	9.3	20.8	68	.68	.092	16	50	1.13	232	.14	24 2	.22	.05	.71	13	2.1	1979	.6	1.8 6	5.9	49

Standard is STANDARD D/C/AU-S. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



Tsitika River Valley just after really bad thunder/lightening storm. -the sunshine was a welkoned sight as we rarely saw it. hen Lord -Catherine Creek

95/96-1122

95196 - Pizz

21 -01 NANNH 392 -04

Angle Justason - up PIASOII tributary



Outcrop 15 similar to 0036/37 as well.

95196-1122

21 +00 NANINN 986 +32

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