85-664-13968

GEOLOGICAL BRANCH ASSESSMENT REPORT

13,968

PART 3 OF 3

WOLF CLAIMS

Entiako Lake, B.C.

93F/3W

GEOLOGY, GEOCHEMISTRY, TRENCHING

MAGNETIC AND VLF SURVEYS AND DIAMOND DRILLING

1985

L. D. Holmgren
R. M. Cann

October 1985

Claims	Units	Record No.
Wolf	20	5565
Wolf 2	9	5566
Wolf 3	12	5567
Wolf 4	12	6675
Wolf 5	20	6676
Wolf 6	8	6677
Wolf 7	15	6678
Wolf 8	12	6679
Wolf 9	20	6680
Wolf 10	20	6681

NTS: 93F/3W

LATITUDE: 53° 12.5'N

LONGTITUDE: 125° 28'W

Operator/Owner

Rio Algom Exploration Inc.
520-800 W. Pender Street
Vancouver, B.C.
V6C 2V6

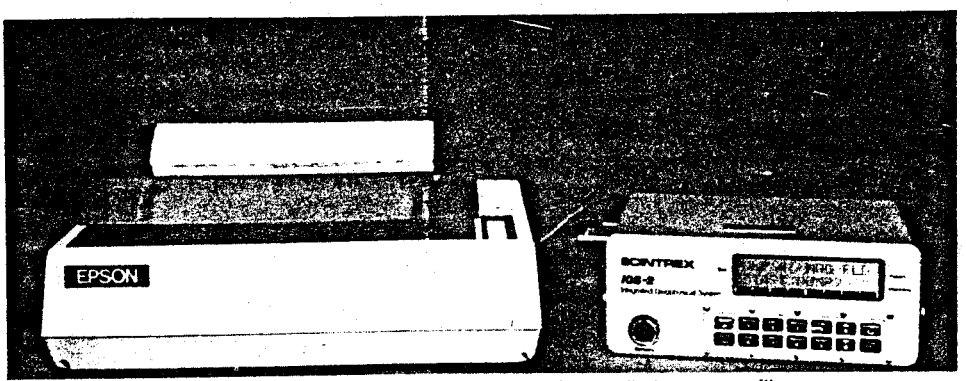
Omineca Mining Division

85-664

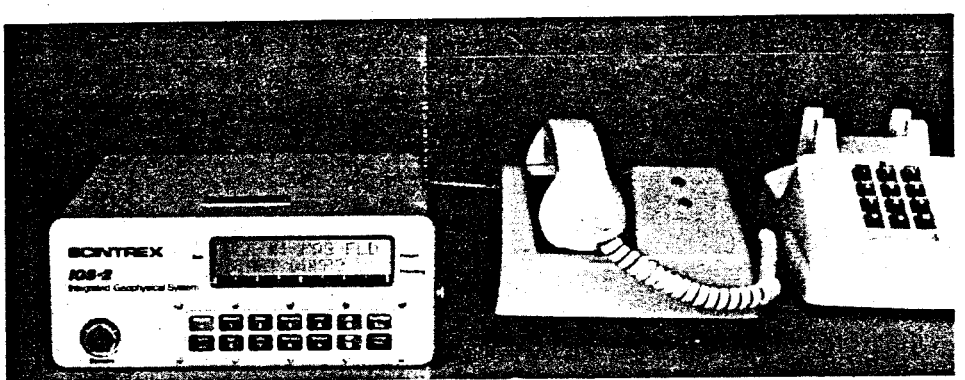
APPENDIX B

MAGNETOMETER AND VLF SPECIFICATIONS

Technical Description of the IGS-2 System Control Console



Coupled directly to a digital printer, the IGS-2 can output data as listings or profiles.



A modem unit can be used to transmit data directly from the IGS-2 to head office over a telephone line.

A microcomputer such as the Apple IIe, Apple III, HP-85, IBM PC or Osborne can be interfaced with the IGS-2 for archiving or processing data.

Standard Control Console Specifications

Digital Display
32 character, 2 line LCD display

Keyboard Input
14 keys for entering all commands, coordinates, header and ancillary information.

Languages
English plus French is standard.

Standard Memory
16K RAM. More than sufficient for a day's data in most applications.

Clock
Real time clock with day, month, year, hour, minute and second. One second resolution, ± 1 second stability over 12 hours. Needs keyboard initialization only after battery replacement.

Digital Data Output
RS-232C serial interface for digital printer, modem, microcomputer or cassette tape recorder. Data outputs in 7 bit ASCII, no parity format. Baud rate is keyboard selectable at 110, 300, 600 and 1200 baud. Carriage return delay is keyboard selectable in increments of one from 0 through 999. Handshaking is done through X-on/X-off protocol.

Trigger Output
Allows IGS-2 to act as a master for other instrumentation.

Analog Output
For a strip chart recorder. 0 to 999 mV full scale with keyboard selectable sensitivities of 10, 100 or 1000 units full scale.

Console Dimensions
240 x 90 x 240 mm includes mounted battery pack.

Weights
Console: 2.2 kg
Console with Non-rechargeable Battery Pack: 3.2 kg.
Console with Rechargeable Battery Pack: 3.6 kg.

Operating Temperature Range
-40°C to +50°C provided optional Display Heater is used below -20°C.

Technical Description of the MP-3 Proton Magnetometer

Magnetometry Specifications

Total Field Operating Range
20,000 to 100,000 nT (1 nT = 1 gamma)

Gradient Tolerance
±5000 nT/m

Total Field Absolute Accuracy
±1nT at 50,000 nT
±2 nT over total field operating range

Resolution
0.1 nT

Tuning
Fully solid-state. Manual or automatic keyboard selectable.

Fastest Cycle Time
2 seconds. For portable readings this is the time taken from the push of a button to the display of the measured value.

Continuous Cycle Times
Keyboard selectable in 1 second increments upwards from 2 seconds to 999 seconds.

Operating Temperature Range
-40°C to +50°C provided optional Display Heater is used below -20°C.

Standard Console Specifications

Digital Display
32 character, 2 line LCD display

Keyboard Input
14 keys for entering all commands, coordinates, header and ancillary information.

Languages
English plus French is standard.

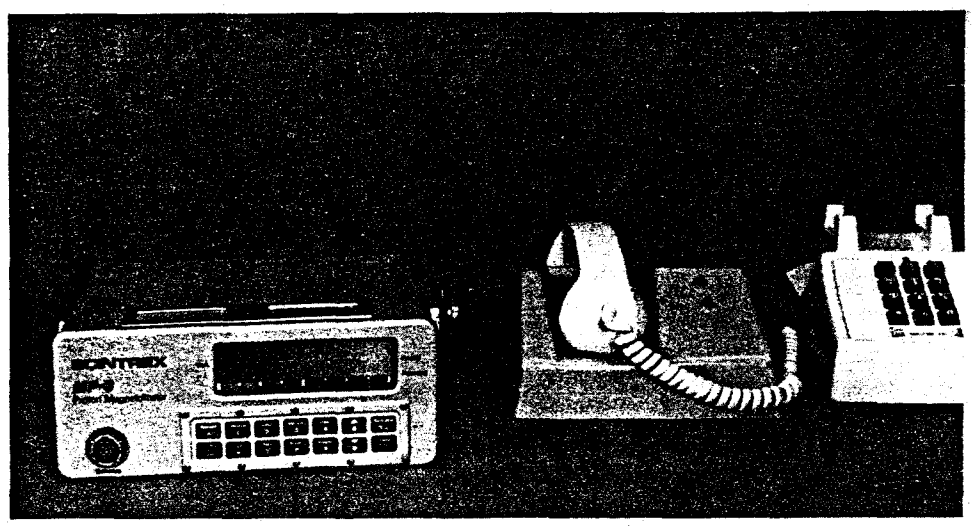
Clock
Real time clock with day, month, year, hour, minute and second. Needs keyboard initialization only after battery replacement. One second resolution, ±1 second stability over 12 hours.

Standard Memory
16K RAM internal solid-state memory in single reading mode records up to 1175 total field and gradient observations, or 1350 total field measurements including coordinates, time and header information. In continuous cycle mode, records up to 8000 total field measurements including time and header information.

Digital Data Output
RS-232C serial interface for digital printer, modem, microcomputer, cassette tape recorder, a second MP-3 or an IGS-2/MP-4. Data outputs in 7 bit ASCII, no parity format. Baud rate is keyboard selectable at 110, 300, 600 and 1200 baud. Carriage return delay is keyboard selectable in increments of one from 0 to 999. Handshaking is done through X-on/X-off protocol.

Analog Output
For a strip chart recorder. 0 to 999 mV full scale with keyboard selectable sensitivities of 10, 100 or 1000 nT full scale.

Trigger Output
Allows MP-3 to act as master for other instrumentation.



With the use of a modem the MP-3 can send its data across telephone lines.

Console Dimensions
240 x 90 x 240 mm includes mounted battery pack.

Weight
2.4 kg excludes batteries.

Power Requirements
Can be powered by external 12 V DC or one of the Battery Pack Options listed below.

Sensor Options

In the following options the actual sensors are identical, however, mountings and cables vary.

Portable Total Field Sensor Option
Includes sensor, staff, two 2 m cables and backpack sensor harness. Weight of sensor, cable and staff is 1.8 kg. Staff is 30 x 600 mm collapsed and 1600 mm extended.

Base Station Sensor Option
Includes sensor, tripod, 50 m cable, external power cable and analog chart recorder cable. Weight of sensor, cable and tripod is 6.5 kg. Tripod is 530 mm collapsed, 1500 mm extended.

Gradiometer Sensor Option
For use with the Portable Total Field Sensor Option. Includes second sensor, cables and staff extenders for both 1.0 and 0.5 m sensor separations. Combined weight of Total Field and Gradiometer Sensor options with staff, 1 m extender and cables is 1.8kg.

Technical Description of the VLF-3 VLF Electromagnetic System

Frequency Tuning
Automatic digital tuning. Can be tuned to any frequency in the range 15.0 to 27.5 Hz with a bandwidth of 150 Hz. Up to three frequencies can be chosen by keyboard entry for sequential measurements.

Field Strength Range
Fields as low as 100 nA/m can be received. In practice, background noise may require fields up to 5-10 times this level. Maximum received field is 0.65 mA/metre. These values are specified for 20 kHz. For any other frequency, normalize the above limits with station frequency in kHz/20.

Signal Filtering
Narrow bandpass, low pass and sharp cut-off high pass filters.

Measuring Time
0.5 seconds sample interval. As many as 2^{16} samples can be stacked to improve measurement accuracy.

VLF-Magnetic Field Components Measured
1) Horizontal amplitude, 2) vertical in-phase component, and 3) vertical quadrature components. Vertical components are displayed as a percentage of horizontal component and are related in phase to the horizontal component. Their range is $\pm$150%; reading resolution 1%.

VLF-Magnetic Field Sensor
Two air-cored coils in a backpack mounted housing with an electronic level for automatic tilt compensation. The error in the vertical in-phase component is less than 1% for tilts up to 25°.

VLF-Electric Field Dipole
Two capacitive electrodes with integral preamplifiers and 5 m of cable. Probe input impedance exceeds 100 megaohms and capacitance is less than 1 picofarad.

VLF-Electric Field Components Measured
In-phase and quadrature components of the horizontal electric field phase related to the horizontal VLF-magnetic field. These components are not recorded but are used in the calculations of resistivity and phase. The reading resolution is 1 ohm.

Apparent Resistivity Calculation

$$\rho = \frac{1}{2\pi f \mu_o} \left| \frac{E_x}{H_y} \right|^2$$

where:
ρ = apparent resistivity in ohm-meters
E_x = horizontal electric amplitude, calculated.
$E_x = (E_x(I)^2 + E_x(Q)^2)^{1/2}$
H_y = horizontal magnetic amplitude, measured
f = VLF station frequency in Hertz
μ = permeability of the ground in Henries/meter, a constant

The resistivity calculation has a range of 1 to 100,000 ohm-meters with a resolution of 1 ohm-meter.

Phase Angle Calculation
The phase angle ϕ is expressed as:

$$\phi = \text{arc tan} \frac{E_x(Q)}{E_x(I)}$$

where:
$E_x(Q)$ = horizontal quadrature VLF electric field, measured
$E_x(I)$ = horizontal in-phase VLF electric field, measured

The phase angle calculation has a range of -180° to +180° with a resolution of 1°. By definition the angle is positive when the E field leads the H field.

Digital Display
32 character, 2 line LCD display

Keyboard Input
14 keys for entering all commands, coordinates, header and ancillary information.

Languages
English plus French is standard.

Standard Memory
The internal 16K RAM solid-state memory records up to 1100 VLF-magnetic or 600 combined VLF-magnetic and VLF-electric measurements.

Clock
Real time clock with day, month, year, hour, minute and second. One second resolution, $\pm$1 second stability over 12 hours. Needs keyboard initialization only after battery replacement.

Digital Data Output
RS-232C serial interface for digital printer, modem, microcomputer or cassette tape recorder. Data outputs in 7 bit ASCII, no parity format. Baud rate is keyboard selectable at 110, 300, 600 and 1200 baud. Carriage return delay is keyboard selectable in increments of one from 0 to 999. Handshaking is done through X-on/X-off protocol.

Dimensions
Console: 240 x 90 x 240 mm
VLF-Magnetic Sensor: 110 mm diameter, length 120 mm

Weights
Console with Non-Rechargeable Battery Pack; 3.5 kg.
Console with Rechargeable Battery Pack; 4.0 kg.
VLF-magnetic Sensor with harness; 1.5 kg
VLF-electric Sensor; total weight of capacitive electrodes plus cables is 0.9 kg.

Operating Temperature Range
-40°C to +50° provided optional Display Heater is used below -20°C.

Power Requirements
Can be powered by external 12 V DC or one of the Battery Pack Options listed below.

APPENDIX C

SOIL SAMPLE ANALYSES

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUNE 18 1985

DATE REPORT MAILED: June 24/85

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: T. Saundry DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

RIO ALGOM EXPLORATION PROJECT - 8607 FILE # 85-0975 PAGE

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-100	3	15	264	.3	6	4	1
W85-101	4	13	427	.4	6	2	17
W85-102	4	14	150	.9	2	2	1
W85-103	3	16	141	.7	5	2	1
W85-104	3	14	111	1.1	5	2	10
W85-105	6	14	83	.3	12	2	1
W85-106	8	23	134	.4	14	2	1
W85-107	3	13	64	.1	6	2	1
W85-108	2	15	50	.1	2	2	1
W85-109	1	14	37	.1	2	2	1
W85-110	2	10	35	.2	2	2	1
W85-111	2	13	58	.1	6	2	1
W85-112	3	14	53	.1	5	2	2
W85-113	2	12	38	.1	2	2	1
W85-114	1	15	73	.1	2	2	1
W85-115	7	18	76	.8	8	2	1
W85-116	8	16	108	.5	4	2	1
W85-117	8	10	63	.2	2	3	2
W85-118	3	15	80	.2	7	2	1
W85-119	3	13	161	.1	2	2	1
W85-120	4	8	51	.2	3	2	2
W85-121	5	12	82	.3	2	2	1
W85-122	4	15	72	.1	3	2	1
W85-123	3	14	90	.4	3	2	1
W85-124	2	13	81	.1	2	2	1
W85-125	4	14	68	.1	4	2	15
W85-126	3	6	70	.3	4	2	1
W85-127	3	7	89	.6	2	2	3
W85-128	19	20	193	.7	32	2	1
W85-129	10	20	266	.1	10	2	1
W85-130	9	23	236	.3	10	2	1
W85-131	7	21	273	.4	9	2	2
W85-132	10	21	390	.3	2	2	1
W85-133	20	26	290	.3	80	2	1
W85-134	10	16	292	.3	13	3	2
W85-135	5	8	248	.4	6	2	1
STD C/AU 0.5	18	37	129	7.2	40	15	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-136	11	17	355	.4	16	3	2
W85-137	7	14	501	.4	16	2	1
W85-138	8	25	337	.2	21	4	1
W85-139	6	12	286	.5	16	2	3
W85-140	5	9	203	.8	8	3	2
W85-141	8	13	287	.4	15	2	1
W85-142	3	12	407	.4	8	2	1
W85-143	2	10	201	.2	3	2	2
W85-144	1	8	227	.1	7	2	1
W85-145	4	7	122	.5	12	3	1
W85-146	13	12	397	.2	24	2	1
W85-147	13	16	554	.7	25	3	1
W85-148	6	11	122	.1	20	4	2
W85-149	2	5	70	.7	9	3	2
W85-160	1	5	41	.1	2	2	1
W85-161	1	8	41	.3	3	2	24
W85-162	1	7	74	.3	6	2	1
W85-163	1	7	71	.3	2	2	3
W85-164	1	4	69	.1	3	2	1
W85-165	1	6	33	.1	2	2	2
W85-166	1	5	54	.2	2	3	2
W85-167	1	9	41	.2	2	2	1
W85-168	4	13	72	.2	13	2	1
W85-169	3	9	78	.3	7	2	1
W85-170	4	5	110	.5	2	2	1
W85-171	3	8	111	.1	2	2	2
W85-172	5	8	106	.2	8	2	1
W85-173	6	14	127	.7	6	2	1
W85-174	2	8	113	.4	13	3	1
W85-175	1	15	103	.3	7	2	1
W85-176	1	9	70	.3	6	2	1
W85-177	1	10	47	.2	3	2	2
W85-178	1	5	46	.2	2	2	1
W85-179	2	10	75	.1	6	2	1
W85-180	1	4	88	.2	5	2	1
W85-181	1	7	99	.6	6	2	1
STD C/AU 0.5	20	41	138	6.9	41	16	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-182	1	8	51	.2	2	2	1
W85-183	1	9	51	.4	4	2	2
W85-184	1	6	38	.1	2	2	2
W85-185	1	9	33	.1	2	2	5
W85-186	1	8	36	.2	2	3	2
W85-187	1	6	41	.1	2	2	1
W85-188	1	7	36	.1	2	2	1
W85-189	1	8	41	.1	7	2	3
W85-190	1	10	42	.1	3	2	1
W85-191	1	6	83	.2	4	2	1
W85-192	1	11	43	.1	2	2	2
W85-193	1	7	60	.1	2	2	1
W85-194	1	9	41	.2	2	2	2
W85-195	1	7	39	.1	2	2	1
W85-196	1	10	36	.1	2	2	2
W85-197	1	8	40	.1	3	2	5
W85-198	1	10	52	.2	5	2	1
W85-199	1	12	28	.3	2	2	1
W85-200	5	12	59	.1	2	2	1
W85-201	2	6	45	.1	2	2	2
W85-202	2	7	113	.3	4	2	3
W85-203	3	14	104	.1	4	2	4
W85-204	3	14	112	.1	5	2	2
W85-205	3	12	87	.1	5	2	1
W85-206	4	9	119	.2	5	2	1
W85-207	6	14	89	.4	5	2	1
W85-208	4	22	93	.1	6	2	2
W85-209	2	11	106	.3	11	2	2
W85-210	6	20	92	.7	7	2	1
W85-211	5	18	120	.4	11	2	2
W85-212	5	16	128	.5	5	2	1
W85-213	7	7	70	.1	4	2	1
W85-214	3	12	120	.5	6	2	2
W85-215	5	12	118	1.0	5	2	4
W85-216	7	14	129	.6	8	2	2
W85-220	3	11	107	.8	6	3	3
STD C/AU 0.5	21	38	129	6.9	37	16	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-221	2	6	83	.7	10	2	3
W85-222	2	6	90	.5	7	5	2
W85-223	1	6	71	.7	4	2	2
W85-224	2	5	61	.5	8	2	1
W85-225	2	7	100	1.7	4	2	2
W85-226	6	6	83	1.4	9	2	1
W85-227	3	7	59	.4	3	2	4
W85-228	3	7	70	1.0	4	2	1
W85-229	10	19	95	1.4	12	2	2
W85-230	3	3	138	.6	3	2	1
W85-231	3	9	159	.2	2	3	1
W85-232	4	11	179	.5	6	2	2
W85-233	2	7	186	.5	6	2	1
W85-234	8	17	106	.2	11	2	1
W85-235	3	6	123	.3	4	2	1
W85-236	5	9	128	.5	10	2	1
W85-237	2	7	86	.2	7	2	3
W85-238	2	9	33	.3	2	2	2
W85-239	2	3	104	.6	6	2	1
W85-240	2	7	98	.4	5	5	1
W85-241	2	8	254	.4	7	2	1
W85-242	8	6	107	.3	13	3	1
W85-243	8	10	225	.4	12	2	3
W85-244	2	5	254	.3	6	2	1
W85-245	14	27	354	.3	22	2	1
W85-246	8	21	284	.3	5	5	1
W85-247	7	7	403	.2	16	2	1
W85-248	6	8	345	.4	11	2	1
W85-249	4	8	408	.3	6	2	2
W85-250	7	7	393	.4	17	2	2
W85-251	10	5	617	.5	16	2	1
W85-252	6	14	366	.2	10	2	3
W85-253	8	9	260	.3	15	2	1
W85-254	7	10	126	.3	24	2	1
W85-255	7	9	293	.2	18	2	1
W85-256	8	9	451	.4	32	2	1
STD C/AU 0.5	20	39	127	7.1	38	15	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-257	5	13	452	.5	11	2	1
W85-258	5	9	580	.4	14	3	2
W85-259	10	15	466	.5	27	2	1
W85-260	7	10	332	.5	16	2	1
W85-261	6	10	316	.3	20	2	1
W85-262	6	14	348	.2	25	2	2
W85-263	7	10	349	.4	17	2	1
W85-264	9	15	321	.2	26	2	2
W85-265	7	18	611	.3	21	2	1
STD C	20	39	129	7.2	39	16	-

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 8 1985

DATE REPORT MAILED: July 14/85.

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: T. Saundry. DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

RIO ALGOM EXPLORATION PROJECT - 8607 FILE # 85-1291 PAGE 1

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-266	4	8	104	.3	5	2	6
W85-267	5	15	75	.4	11	2	1
W85-268	10	18	93	.3	3	2	1
W85-269	6	8	61	.1	9	2	1
W85-270	4	8	99	.1	2	2	1
W85-271	7	11	104	.4	7	2	1
W85-272	5	6	78	.2	2	2	2
W85-273	2	7	41	.1	3	2	2
W85-274	2	8	52	.2	2	2	1
W85-275	3	19	70	.1	6	2	1
W85-276	2	13	44	.1	5	2	2
W85-277	3	10	92	.1	5	3	4
W85-278	4	11	79	.3	6	2	3
W85-279	2	9	64	.1	2	2	2
W85-280	2	8	46	.3	5	2	1
W85-281	1	15	50	.1	3	2	1
W85-282	2	10	47	.3	6	2	1
W85-283	1	6	48	.1	6	2	2
W85-284	1	9	47	.2	4	2	2
W85-285	1	8	57	.2	6	2	1
W85-286	2	7	42	.1	2	2	1
W85-287	1	10	47	.3	5	2	2
W85-288	2	8	72	.1	9	2	1
W85-289	3	8	66	.2	8	2	1
W85-290	2	10	35	.2	4	2	1
W85-291	1	9	108	.4	6	2	1
W85-292	1	11	46	.1	4	5	16
W85-293	1	9	33	.1	7	2	2
W85-294	3	7	54	.3	7	2	2
W85-295	3	6	32	.3	3	3	3
W85-296	1	2	30	.1	5	2	1
W85-297	1	10	32	.2	3	2	1
W85-298	1	8	31	.2	5	2	1
W85-299	1	8	49	.2	4	3	3
W85-300	3	20	142	.1	13	3	1
W85-301	3	13	85	.3	7	2	8
STD C/AU 0.5	21	37	130	6.9	41	16	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-302	4	17	151	.7	4	2	3
W85-303	9	27	198	.9	11	2	2
W85-304	1	16	45	.4	3	2	1
W85-305	5	19	94	2.5	5	2	1
W85-306	3	15	63	.1	3	2	1
W85-307	3	13	81	.1	3	2	5
W85-308	2	14	43	.1	3	2	1
W85-309	1	12	27	.1	4	2	1
W85-310	3	12	44	.1	3	2	1
W85-311	3	10	38	.3	2	2	2
W85-312	7	25	356	.5	14	4	2
W85-313	7	27	130	1.5	6	2	3
W85-314	7	18	99	1.6	10	2	1
W85-315	4	24	66	.4	6	2	2
W85-316	4	22	89	1.1	14	4	1
W85-317	1	11	219	2.8	8	2	2
W85-318	4	26	192	2.0	14	3	1
W85-319	2	17	100	.5	13	3	2
W85-320	1	11	67	.3	8	2	2
W85-321	1	14	46	.1	8	2	3
W85-322	3	16	81	.1	24	2	1
W85-323	1	11	39	.4	8	2	1
W85-324	1	14	25	.2	4	2	10
W85-325	3	14	95	.8	15	3	2
W85-326	2	11	61	.1	12	2	1
W85-327	1	10	44	.3	3	2	2
W85-328	1	12	67	.2	5	2	2
W85-329	2	12	54	.2	2	2	1
W85-330	1	7	57	.1	8	2	1
W85-331	3	12	59	.2	11	2	1
W85-332	3	13	18	.1	4	2	2
W85-333	2	11	82	.1	3	2	4
W85-334	17	2	238	2.6	22	7	15
W85-335	2	12	28	.1	2	2	3
W85-336	5	14	96	.4	7	3	2
W85-337	3	12	126	.3	4	2	1
STD C/AU-0.5	20	39	133	7.0	39	15	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-338	16	23	181	.4	9	2	1
W85-339	15	18	135	.1	9	2	1
W85-340	5	10	120	.1	3	2	2
W85-341	2	10	146	.1	3	2	2
W85-342	3	9	82	.2	4	2	1
W85-343	7	19	91	.1	9	2	1
W85-344	3	12	275	.3	10	2	1
W85-345	6	16	454	.2	8	2	1
W85-346	8	20	198	.1	17	2	2
W85-347	7	14	437	.1	19	2	1
W85-348	8	11	213	.1	7	2	1
W85-349	7	15	252	.1	3	3	2
W85-350	4	13	437	.2	2	2	1
W85-351	10	21	383	.1	8	2	1
W85-352	5	14	398	.2	3	2	2
W85-353	2	10	373	.1	8	2	1
W85-354	3	10	239	.1	7	2	1
W85-355	9	17	310	.1	16	2	1
W85-356	2	12	257	.1	4	3	1
W85-357	3	11	249	.1	5	3	1
W85-358	4	6	322	.1	4	2	1
W85-359	9	9	290	.1	19	2	1
W85-360	5	11	227	.1	15	2	10
W85-361	5	10	318	.2	7	3	2
W85-362	9	11	191	.2	13	2	1
W85-363	4	5	73	.1	12	2	1
W85-364	1	10	99	.1	13	3	2
W85-365	2	13	71	.2	10	2	4
W85-366	3	13	150	2.0	2	2	2
W85-367	3	11	102	2.5	20	2	2
W85-368	2	10	114	.2	6	3	1
W85-369	1	7	52	.2	9	2	5
W85-370	5	13	102	.2	3	2	2
W85-371	5	10	58	.1	8	2	1
W85-372	2	12	60	.1	7	2	2
W85-373	2	13	45	.1	5	2	1
STD C/AU-0.5	21	40	132	6.9	39	16	510

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-374	5	12	50	.1	2	2	1
W85-375	5	10	115	.2	8	2	2
W85-376	4	16	67	.1	4	2	1
W85-377	2	8	45	.1	2	2	4
W85-378	3	12	103	.1	8	2	1
W85-379	6	11	86	.1	11	2	3
W85-380	5	24	76	.1	4	3	1
W85-381	2	8	68	.1	4	2	1
W85-382	8	18	158	.4	9	2	2
W85-383	2	6	135	.2	3	3	1
W85-384	4	10	133	.1	2	2	1
W85-385	3	5	115	.1	2	2	1
W85-386	6	13	145	.1	9	2	1
W85-387	3	12	47	.1	2	5	1
W85-388	3	7	128	.1	5	2	1
W85-389	6	5	163	.2	3	2	1
W85-390	11	19	382	.1	5	3	1
W85-391	7	23	315	.1	7	2	1
W85-392	8	10	139	.1	7	2	1
W85-393	11	11	208	.1	14	2	1
W85-394	9	9	212	.1	10	2	1
W85-395	12	11	348	.1	18	2	1
W85-396	6	11	454	.1	13	2	1
W85-397	4	10	213	.1	3	2	1
W85-398	4	8	258	.1	2	2	1
W85-399	6	13	275	.1	5	2	1
W85-400	9	9	390	.1	16	2	2
W85-401	11	12	709	.1	18	2	1
W85-402	12	8	267	.1	16	2	2
W85-403	4	7	254	.1	2	2	1
W85-404	6	12	314	.1	13	2	1
W85-405	10	12	369	.1	20	2	1
W85-406	13	16	570	.1	17	2	6
W85-407	3	11	406	.2	2	2	1
W85-408	10	12	258	.1	30	2	1
W85-409	5	8	627	.1	14	2	1
STD C/AU 0.5	20	38	140	7.2	39	16	500

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-410	6	10	269	.4	24	2	1
W85-411	6	13	292	.1	22	2	1
W85-412	6	13	290	.1	9	2	6
W85-413	5	15	562	.2	33	2	1
W85-414	5	13	570	.1	17	2	1
W85-415	15	22	505	.2	28	2	1
W85-416	11	17	406	.1	24	2	2
W85-417	3	17	346	.1	10	2	1
W85-418	20	25	316	.2	60	2	2
W85-419	7	15	327	.1	13	2	1
W85-420	5	14	343	.3	24	2	2
W85-421	4	12	181	.1	2	2	1
W85-422	2	11	258	.1	3	2	1
W85-423	5	15	447	.4	11	2	1
W85-424	6	15	377	.4	17	2	1
W85-425	4	11	284	.2	17	2	2
W85-426	5	17	424	.3	15	2	1
W85-427	6	16	551	.6	13	2	1
W85-428	4	10	256	.8	13	2	1
W85-429	5	17	417	.1	19	2	2
W85-430	4	12	444	.2	5	2	1
W85-431	9	14	470	.2	23	3	1
W85-432	9	14	368	.4	16	2	1
W85-433	5	16	492	.5	10	2	1
W85-434	11	34	536	.3	6	2	2
W85-435	5	14	461	.3	2	2	1
W85-436	7	20	259	.1	7	3	1
W85-437	8	19	313	.1	22	4	1
W85-438	2	10	209	.1	2	2	1
W85-439	14	11	155	.1	14	2	3
W85-440	1	14	114	.1	4	2	2
W85-441	1	8	78	.1	2	2	1
W85-442	1	9	49	.3	2	4	2
W85-443	2	9	70	.1	4	3	2
W85-444	1	10	60	.1	7	5	2
W85-445	3	9	86	.2	2	2	1
STD C/AU-0.5	20	40	136	7.2	40	15	505

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-446	3	10	157	.1	2	2	1
W85-447	2	13	126	.1	2	2	2
W85-448	1	9	114	.1	2	5	1
W85-449	4	11	159	.1	2	3	3
W85-450	4	12	156	.1	2	3	1
W85-451	5	12	234	.1	4	2	1
W85-452	4	13	200	.4	2	3	2
W85-453	6	13	460	.7	4	2	1
W85-454	5	12	200	1.0	3	2	1
W85-455	13	18	129	.6	9	3	1
W85-456	16	21	127	.4	13	3	2
W85-457	3	11	119	.7	8	3	2
W85-458	3	16	82	.6	7	3	4
W85-459	5	18	158	1.4	8	2	1
W85-460	2	9	51	.1	3	3	2
W85-461	1	7	72	.9	5	6	3
W85-462	10	23	150	.7	7	2	1
W85-463	4	10	81	.4	5	6	1
W85-464	11	13	175	.3	5	3	1
W85-465	25	20	366	.6	12	2	1
W85-466	9	10	119	.8	2	4	2
W85-467	10	10	282	.8	13	2	2
W85-468	6	9	312	.7	7	2	2
W85-469	4	11	472	.2	9	2	1
W85-470	13	13	403	.1	12	2	1
W85-471	1	8	107	.1	3	2	1
W85-472	4	28	124	.1	4	3	1
W85-473	6	14	268	.1	10	3	1
W85-474	6	38	569	.2	2	2	1
W85-475	4	10	164	.1	10	2	1
W85-476	3	5	75	.1	2	4	4
W85-477	2	6	54	.1	2	2	1
W85-478	2	5	70	.1	4	3	1
W85-479	6	9	81	.3	2	5	1
W85-480	4	11	530	.3	5	3	1
W85-481	5	10	331	.2	2	2	1
STD C/AU 0.5	19	41	136	7.5	39	15	495

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-482	5	15	214	.1	14	2	2
W85-483	6	20	364	.2	35	2	1
W85-484	10	12	572	.8	16	2	2
W85-485	5	18	513	.5	11	2	1
W85-486	7	18	370	.3	30	2	1
W85-487	7	17	492	.2	26	2	1
W85-488	4	15	500	.2	47	3	2
W85-489	9	14	209	.3	28	2	2
W85-490	4	10	240	.3	11	2	1
W85-491	5	15	282	.2	15	2	1
W85-492	4	12	188	.4	18	2	2
W85-493	2	11	128	.2	7	2	1
W85-494	5	8	323	.1	8	2	2
W85-495	5	13	383	.2	12	2	1
W85-496	4	10	183	.3	15	2	1
W85-497	5	10	289	.1	22	2	1
W85-498	9	14	403	.2	24	2	1
W85-499	8	15	368	.1	30	2	2
W85-500	7	11	368	.2	19	2	1
W85-501	5	17	338	.4	21	2	2
W85-502	2	13	190	.2	7	2	1
W85-503	3	9	413	.2	8	2	2
W85-504	3	12	445	.2	7	2	1
W85-505	3	9	240	.3	9	2	1
W85-506	4	11	318	.1	5	2	1
W85-507	2	8	219	.2	9	2	2
W85-508	4	11	163	.1	18	2	8
W85-509	2	12	706	.4	6	2	1
W85-510	2	11	291	.3	9	2	1
W85-511	3	11	289	.2	11	2	1
W85-512	5	11	431	.2	11	2	2
W85-513	2	10	271	.3	12	2	1
W85-514	11	18	421	.1	42	2	2
W85-515	9	16	619	.3	22	2	1
W85-516	6	15	560	.3	18	2	1
W85-517	6	20	602	.4	12	2	1
STD C/AU 0.5	20	41	132	7.1	39	16	470

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-518	10	16	367	.1	18	2	1
W85-519	13	13	321	.2	59	2	3
W85-520	16	19	612	.4	66	2	3
W85-521	12	17	449	.5	42	2	1
W85-522	7	16	373	.1	29	2	2
W85-523	9	19	673	.1	22	2	1
W85-524	4	13	507	.4	8	2	1
W85-525	7	12	250	.1	15	3	5
W85-526	1	9	268	.1	6	3	2
W85-527	4	12	369	.3	10	2	4
W85-528	3	7	230	.1	13	3	3
W85-529	5	11	143	.1	16	2	4
W85-530	2	10	313	.1	10	2	2
W85-531	2	9	177	.1	12	2	1
W85-532	1	9	226	.1	6	2	1
W85-533	4	9	250	.1	19	2	1
W85-534	4	19	991	.5	6	2	2
W85-535	8	15	533	.3	19	2	5
W85-536	5	12	438	.1	16	2	1
W85-537	8	16	210	.1	27	2	2
W85-538	7	14	291	.1	11	2	1
W85-539	9	16	237	.3	34	3	1
W85-540	8	17	514	.1	18	2	2
W85-541	6	12	257	.1	14	2	1
W85-542	8	14	479	.1	24	2	2
W85-543	2	10	247	.2	5	2	1
W85-544	7	10	147	.1	10	2	1
W85-545	2	11	349	.2	8	2	2
W85-546	3	10	154	.1	7	2	3
W85-547	2	13	106	.1	3	2	1
W85-548	1	9	137	.1	2	2	1
W85-549	6	15	157	.1	18	2	2
W85-550	2	11	187	.2	3	2	1
W85-551	2	13	125	.5	4	2	2
W85-552	2	17	147	.3	2	2	1
W85-553	2	14	122	.1	10	2	2
STD C/AU-0.5	20	39	136	7.0	39	15	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-554	4	13	88	.1	5	2	1
W85-555	3	6	196	.1	5	6	3
W85-556	5	10	92	.1	6	3	1
W85-557	4	11	164	.4	3	2	1
W85-558	2	8	152	.2	2	3	2
W85-559	2	8	153	.3	2	3	2
W85-560	3	9	80	.5	4	2	4
W85-561	3	9	91	1.1	4	2	2
W85-562	6	6	176	.4	7	4	1
W85-563	21	20	913	.8	8	2	3
W85-564	4	6	352	.6	4	2	5
W85-565	3	11	361	.1	2	2	39
W85-566	9	10	273	.1	10	2	1
W85-567	8	10	306	.4	13	2	1
W85-568	5	12	319	.1	5	2	1
W85-569	9	16	387	.1	12	2	2
W85-570	8	15	431	.9	8	2	2
W85-571	2	8	122	.1	2	2	1
W85-572	3	11	150	.1	2	2	2
W85-573	5	13	456	.1	12	2	1
W85-574	5	13	341	.1	7	2	1
W85-575	4	14	400	.1	5	2	1
W85-576	4	12	400	.2	18	2	7
W85-577	5	19	568	.2	9	2	2
W85-578	17	18	479	.4	294	2	1
W85-579	7	10	298	.3	24	2	1
W85-580	4	10	340	.3	8	3	1
W85-581	2	10	175	.1	3	2	3
W85-582	2	8	210	.2	3	2	1
W85-583	6	10	327	.3	13	2	2
W85-584	4	12	170	.1	12	3	1
W85-585	5	10	203	.2	11	2	1
W85-586	3	13	374	.2	3	2	2
W85-587	4	12	334	.3	16	2	1
W85-588	5	14	338	.1	6	3	1
W85-589	4	8	467	.3	13	2	2
STD C/AU-0.5	21	41	135	7.0	39	15	485

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-590	3	8	483	.1	12	2	1
W85-591	6	15	362	.1	45	2	2
W85-592	5	9	156	.1	34	2	10
W85-593	4	10	464	.1	9	2	2
W85-594	6	11	365	.3	14	2	1
W85-595	11	17	550	.1	26	2	1
W85-596	5	16	537	.1	13	2	1
W85-597	18	17	469	.5	56	3	2
W85-598	13	14	507	.1	33	2	1
W85-599	2	12	257	.2	15	3	1
W85-600	7	14	297	.5	19	2	1
W85-601	5	13	523	.3	22	2	1
W85-602	8	15	707	.1	33	2	1
W85-603	7	12	537	.1	16	3	1
W85-604	5	14	498	.3	14	2	1
W85-605	3	12	425	.3	12	2	1
W85-606	9	13	403	.6	17	2	1
W85-607	9	12	815	.4	12	2	1
W85-608	9	15	271	.4	19	2	1
W85-609	4	12	272	.1	5	2	1
W85-610	8	11	304	.1	20	2	3
W85-611	13	12	180	.2	18	2	1
W85-612	16	16	288	.5	24	2	1
W85-613	27	15	385	.3	43	2	1
W85-614	13	9	479	.2	17	2	1
W85-615	8	11	295	.3	18	2	1
W85-616	5	12	404	.2	18	2	1
W85-617	9	15	317	.1	42	2	1
W85-618	17	14	279	.1	39	2	1
W85-619	12	15	797	.3	53	2	1
W85-620	5	22	443	.3	13	2	1
W85-621	12	17	407	.1	38	2	1
W85-622	6	16	533	.6	12	2	1
W85-623	18	23	883	.5	57	2	1
W85-624	7	18	899	.6	17	2	1
W85-625	4	12	515	.4	11	2	1
STD C/AU-0.5	19	39	133	7.1	40	15	500

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-626	8	14	488	.9	14	2	2
W85-627	7	11	235	.2	8	2	1
W85-628	12	14	211	.2	12	2	1
W85-629	11	14	459	.5	35	2	6
W85-630	6	9	470	.2	8	2	1
W85-631	6	11	378	.5	11	2	2
W85-632	4	11	407	.3	9	2	2
W85-633	3	10	277	.1	7	3	1
W85-634	8	12	183	.2	40	2	1
W85-635	4	13	404	.2	29	2	2
W85-636	5	13	382	.2	13	2	1
W85-637	5	12	316	.2	13	2	4
W85-638	7	12	289	.1	15	2	2
W85-639	9	11	271	.1	16	2	3
W85-640	7	11	218	.1	11	2	1
W85-641	6	13	206	.2	9	2	6
W85-642	4	8	272	.6	5	2	2
W85-643	2	7	300	.1	5	2	1
W85-644	2	8	202	.2	5	2	1
W85-645	2	6	320	.4	4	2	4
W85-646	1	6	192	.2	2	2	1
W85-647	2	5	98	.3	2	2	2
W85-648	4	7	76	.1	5	2	1
W85-649	2	6	50	.1	5	2	1
W85-650	3	20	74	.2	4	2	1
W85-651	5	22	81	.2	7	3	4
W85-652	3	20	64	.1	5	2	5
W85-653	4	24	112	.2	5	2	7
W85-654	2	10	185	.5	10	2	6
W85-655	3	12	33	.4	5	2	3
W85-656	4	11	119	.8	14	2	1
W85-657	3	14	46	.2	5	2	1
W85-658	3	13	53	.1	8	2	1
W85-659	3	13	54	.1	7	2	1
W85-660	4	11	39	.2	2	2	2
W85-661	4	9	46	.1	7	3	3
STD C/AU-0.5	21	39	132	7.0	38	16	510

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-662	2	9	59	.1	7	2	1
W85-663	1	9	59	.1	2	2	1
W85-664	1	8	47	.1	4	3	1
W85-665	3	9	63	.1	9	2	1
W85-666	3	9	67	.1	2	3	3
W85-667	3	10	79	.2	3	3	1
W85-668	2	9	82	.1	3	3	3
W85-669	1	7	25	.1	4	2	1
W85-670	4	12	55	.2	4	2	1
W85-671	3	10	48	.1	7	2	3
W85-672	2	9	42	.1	4	3	1
W85-673	3	7	85	.1	4	2	2
W85-674	5	9	72	.1	14	2	1
W85-675	3	5	75	.1	5	2	1
W85-676	3	8	103	.2	4	2	1
W85-677	3	9	123	.1	4	2	1
W85-678	6	13	156	.1	10	2	1
W85-679	14	34	148	.1	10	2	1
W85-680	8	19	241	.3	26	3	1
W85-681	5	14	166	.2	13	3	1
W85-682	6	11	156	.1	15	2	5
W85-683	4	14	288	.1	6	2	1
W85-684	6	13	304	.1	11	3	1
W85-685	6	11	179	.2	8	2	1
W85-686	5	15	284	.1	10	2	1
W85-687	10	18	264	.2	32	2	1
W85-688	8	14	273	.1	17	2	1
W85-689	13	16	283	.2	10	2	1
W85-690	4	9	265	.1	3	2	1
W85-691	4	14	181	.1	4	3	2
W85-692	4	12	295	.3	7	2	1
W85-693	2	10	126	.1	6	2	1
W85-694	8	11	95	.2	36	2	1
W85-695	3	6	76	.4	8	2	1
W85-696	2	2	48	.1	2	2	20
W85-697	11	11	139	.2	23	2	1
STD C/AU-0.5	21	41	135	6.8	38	15	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-698	5	22	165	.1	18	3	11
W85-699	5	10	193	.2	11	2	2
W85-1064	6	13	86	.2	2	2	1
W85-1065	2	8	90	5.5	3	2	3
W85-1066	5	8	127	2.6	3	2	1
W85-1067	3	12	101	1.3	26	2	1
W85-1068	4	10	160	1.1	20	2	13
W85-1069	2	10	82	3.2	8	2	4
W85-1070	3	13	322	.3	2	2	1
W85-1071	1	9	182	.8	2	2	1
W85-1072	1	11	125	1.0	2	2	1
W85-1073	1	8	59	.2	5	2	16
W85-1074	1	13	66	1.0	3	2	2
W85-1075	1	6	80	.1	5	2	1
W85-1076	1	9	67	.2	3	2	3
W85-1077	1	8	36	.2	2	2	1
W85-1078	1	5	62	.1	2	2	2
W85-1079	1	13	18	.1	2	4	1
W85-1080	1	8	88	.1	3	2	1
W85-1081	1	9	76	.1	8	4	4
W85-1082	4	17	167	.1	3	2	1
W85-1083	1	10	56	.1	2	2	1
W85-1084	1	8	41	.1	2	4	12
W85-1085	1	13	58	.1	4	3	1
W85-1086	1	7	44	.1	7	2	1
W85-1087	1	15	86	.1	8	2	7
W85-1088	1	17	98	.1	4	2	1
W85-1089	1	11	76	.1	8	2	2
W85-1090	2	14	118	.1	2	2	1
W85-1091	3	12	139	.2	7	3	1
W85-1092	7	15	198	.4	4	2	6
W85-1093	2	11	78	.1	5	2	1
W85-1094	14	14	226	1.7	6	2	3
W85-1095	2	7	80	.2	7	2	1
W85-1096	2	13	59	.2	3	2	1
W85-1097	2	11	63	.2	2	2	2
STD C/AU 0.5	21	40	136	7.1	39	18	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-1098	1	7	35	.1	3	2	4
W85-1099	2	11	50	.1	3	2	2
W85-1100	3	10	84	.1	5	3	2
W85-1101	6	20	96	.3	7	2	1
W85-1102	2	11	75	.1	7	2	1
W85-1103	2	11	71	.1	6	2	2
W85-1104	2	9	82	.1	2	2	1
W85-1105	1	10	53	.1	3	2	3
W85-1106	2	10	59	.1	10	2	3
W85-1107	6	21	93	.3	19	2	1
W85-1108	2	8	45	.1	6	2	2
W85-1109	1	8	39	.1	5	2	1
W85-1110	1	12	59	.1	9	4	2
W85-1111	7	19	108	.4	15	2	1
W85-1112	1	9	46	.1	5	2	1
W85-1113	1	7	41	.1	3	2	1
W85-1114	1	12	53	.2	8	3	2
W85-1115	1	12	60	.1	4	2	2
W85-1116	3	11	85	.1	3	2	1
W85-1117	3	16	63	.1	5	4	1
W85-1118	1	7	46	.1	5	2	2
W85-1119	2	10	63	.2	2	3	1
W85-1120	3	10	64	.1	5	2	1
W85-1121	3	13	65	.2	3	3	3
W85-1122	1	9	47	.1	2	2	2
W85-1123	2	11	86	.1	9	3	1
W85-1124	1	6	35	.1	3	2	6
W85-1125	2	16	77	.2	5	2	2
W85-1126	1	11	68	.2	2	2	1
W85-1127	1	13	60	.1	7	2	2
W85-1128	1	10	35	.1	4	2	1
W85-1129	2	14	78	.1	6	3	2
W85-1130	2	13	61	.3	2	2	2
W85-1131	1	9	44	.1	2	2	1
W85-1132	1	9	45	.3	4	4	3
W85-1133	5	16	89	.1	10	2	1
STD C/AU-0.5	21	40	132	7.1	39	16	500

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-1134	1	10	22	.1	2	2	2
W85-1135	2	8	39	.2	9	2	2
W85-1136	1	8	36	.3	3	2	1
W85-1137	1	8	50	.2	5	2	1
W85-1138	2	13	54	.1	7	2	2
W85-1139	3	9	64	.1	6	2	1
W85-1140	5	12	70	.1	4	2	1
W85-1141	5	12	97	.1	21	3	2
W85-1142	2	10	39	.2	4	2	1
W85-1143	1	8	45	.1	2	2	1
W85-1144	7	23	128	.4	11	2	1
W85-1145	1	8	62	.1	2	2	1
W85-1146	3	12	83	.2	4	2	2
W85-1147	1	11	66	.1	2	3	1
W85-1148	5	14	80	.4	6	2	2
W85-1149	3	14	63	.1	9	2	1
W85-1150	3	8	53	.1	4	2	1
W85-1151	4	11	45	.1	4	2	3
W85-1152	2	8	27	.1	2	2	1
W85-1153	4	10	30	.1	4	2	4
W85-1154	1	10	19	.3	2	2	1
W85-1155	3	9	52	.3	2	2	1
W85-1156	4	12	50	.2	7	3	1
W85-1157	4	12	43	.1	4	2	9
W85-1158	3	10	54	.1	5	2	1
W85-1159	4	11	83	.1	6	2	1
W85-1160	2	8	35	.1	3	2	3
W85-1161	3	11	64	.1	7	2	2
W85-1162	1	20	48	.1	3	2	1
W85-1163	2	15	73	.2	7	2	2
W85-1164	1	8	35	.1	3	2	2
W85-1165	2	12	28	.1	2	2	1
W85-1166	2	13	63	.1	4	2	1
W85-1167	3	12	98	.4	5	2	2
W85-1168	3	13	81	.1	11	3	1
W85-1169	5	12	75	.9	10	4	1
STD C/AU-0.5	21	41	132	6.8	40	15	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-1170	2	11	48	.3	8	3	1
W85-1171	3	8	138	.5	4	3	2
W85-1172	4	11	83	.4	12	2	1
W85-1173	6	24	228	.3	9	3	1
W85-1174	4	16	200	1.1	10	2	2
W85-1175	27	143	119	.1	17	4	1
W85-1176	3	11	61	.1	8	2	2
W85-1177	2	12	43	.2	4	2	1
W85-1178	2	15	78	.1	8	2	3
W85-1179	9	23	191	.3	17	3	1
W85-1200	4	7	96	.2	15	2	1
W85-1201	2	22	314	.5	9	2	9
W85-1202	2	10	62	.2	5	2	1
W85-1203	1	6	20	.1	7	2	1
W85-1204	1	11	53	.1	7	2	2
W85-1205	2	8	53	.1	8	2	13
W85-1206	1	12	34	.1	2	2	1
W85-1207	2	10	60	.2	5	2	1
W85-1208	1	7	58	.1	8	3	5
W85-1209	1	10	44	.2	5	2	1
W85-1210	1	11	69	.1	6	2	2
W85-1211	1	12	24	.1	2	2	1
W85-1212	3	16	88	.3	7	2	1
W85-1213	1	8	35	.1	4	2	1
W85-1214	1	9	23	.1	5	2	2
W85-1215	1	9	40	.1	3	2	4
W85-1216	1	10	49	.1	3	2	1
W85-1217	3	10	47	.2	8	2	2
W85-1218	2	11	36	.1	4	2	3
W85-1219	2	11	29	.1	6	3	1
W85-1220	3	10	56	.2	17	2	3
W85-1221	5	18	87	.4	17	2	2
W85-1222	2	10	27	.1	4	2	6
W85-1223	2	10	44	.1	4	2	1
W85-1224	2	11	38	.1	6	2	5
W85-1225	2	8	73	.1	4	2	1
STD C/AU-0.5	21	39	138	6.8	38	16	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-1226	3	8	48	.1	4	2	1
W85-1227	1	14	49	.1	2	2	2
W85-1228	2	17	19	.1	2	2	1
W85-1229	2	22	33	.1	4	2	1
W85-1230	4	19	62	.1	9	3	2
W85-1231	3	23	91	.2	7	3	3
W85-1232	3	14	86	.4	7	2	6
W85-1233	3	12	53	.2	9	3	52
W85-1234	3	13	104	.1	8	3	1
W85-1235	4	14	54	.1	2	2	8
W85-1236	3	9	54	.1	7	2	1
W85-1237	6	17	90	.6	11	2	17
W85-1238	8	27	182	.3	14	2	4
W85-1239	3	11	68	.3	8	3	1
W85-1240	6	15	80	.2	9	2	1
W85-1241	3	10	82	.1	6	2	2
W85-1242	2	10	46	.1	4	2	1
W85-1243	8	19	84	.3	5	2	1
W85-1244	2	11	31	.1	2	3	2
W85-1245	2	13	47	.1	2	2	3
W85-1246	6	34	90	.1	4	2	1
W85-1247	3	13	62	.1	5	2	7
W85-1248	3	10	70	.1	6	2	4
W85-1249	2	7	72	.2	4	2	8
W85-1250	1	5	62	.2	2	2	6
W85-1251	1	10	119	.1	6	2	7
W85-1252	1	13	48	.2	4	2	2
W85-1253	2	11	107	.2	6	2	1
W85-1254	1	15	129	.2	3	2	9
W85-1255	1	11	67	.1	2	2	1
W85-1256	1	17	114	.2	2	2	1
W85-1257	3	16	73	.1	2	2	1
W85-1258	2	13	69	.2	2	3	1
W85-1259	8	20	98	.3	7	2	2
W85-1260	11	17	90	.5	7	2	1
W85-1261	2	15	30	.2	4	2	1
STD C/AU 0.5	21	42	133	7.2	41	15	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-1262	3	14	88	.4	8	3	1
W85-1263	2	16	81	.4	5	2	1
W85-1264	2	14	47	.2	4	2	35
W85-1265	2	12	69	.1	6	2	1
W85-1266	2	12	143	.3	7	2	2
W85-1267	2	13	77	.4	11	3	1
W85-1268	2	5	62	.2	6	2	1
W85-1269	1	8	55	.1	2	2	1
W85-1270	1	11	78	.2	5	5	1
W85-1271	2	10	85	.2	11	2	1
W85-1272	2	11	86	.2	4	2	1
W85-1273	1	9	36	.3	3	2	1
W85-1274	1	10	106	.4	8	2	2
W85-1275	1	10	59	.3	6	2	1
W85-1276	1	9	111	.2	4	2	2
W85-1277	1	11	81	.2	6	2	1
W85-1278	1	7	52	.2	2	2	2
W85-1279	3	18	132	.4	7	2	1
W85-1280	1	6	49	.1	4	2	2
W85-1281	1	8	70	.1	9	2	1
W85-1282	2	11	86	.1	6	2	1
W85-1283	1	15	57	.3	3	3	2
W85-1284	1	4	68	.3	3	2	1
W85-1285	5	13	89	.5	7	2	2
W85-1286	2	9	81	.4	2	2	1
W85-1287	1	10	110	.2	6	2	1
W85-1288	2	10	51	.2	5	2	1
W85-1289	1	6	35	.2	2	2	2
W85-1290	1	10	55	.2	2	2	1
W85-1291	3	15	87	.4	8	2	1
W85-1292	1	11	38	.2	2	2	1
W85-1293	3	7	63	.3	12	2	1
W85-1294	2	8	47	.2	2	2	1
W85-1295	1	10	41	.2	4	2	5
W85-1296	2	11	50	.4	2	2	2
W85-1297	8	16	140	.3	7	2	1
STD C/AU 0.5	21	41	139	7.2	40	15	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-1298	2	6	29	.1	2	2	2
W85-1299	3	9	58	.1	2	2	1
W85-1300	3	13	106	.5	6	3	2
W85-1301	6	12	92	.4	9	3	1
W85-1302	2	5	44	.1	3	3	1
W85-1303	1	9	61	.1	6	2	2
W85-1304	1	10	113	.1	5	2	1
W85-1305	1	4	48	.2	5	3	1
W85-1306	2	11	57	.1	5	2	1
W85-1307	1	8	82	.1	9	2	2
W85-1308	2	9	132	.1	5	2	2
W85-1309	7	21	134	.2	10	2	4
W85-1310	4	3	105	.3	9	3	1
W85-1311	2	6	27	.1	5	2	1
W85-1312	2	11	131	.3	12	2	3
W85-1313	3	14	174	.2	8	2	2
W85-1314	3	8	65	.1	7	2	1
W85-1315	1	13	45	.3	2	2	2
W85-1316	3	10	75	.1	11	3	1
W85-1317	3	10	67	.1	4	2	2
W85-1318	3	15	125	.3	7	2	1
W85-1319	2	11	56	.2	5	3	3
W85-1320	3	9	71	.1	7	2	1
W85-1321	2	7	90	.1	2	2	2
W85-1322	2	10	42	.3	2	3	2
W85-1323	4	7	53	.1	6	2	2
W85-1324	2	8	23	.1	2	2	1
W85-1325	3	12	48	.2	12	2	2
W85-1326	4	17	85	.1	12	3	1
W85-1327	2	17	45	.1	7	2	1
W85-1328	3	17	68	.1	6	2	2
STD C/AU-0.5	21	40	136	7.1	37	15	505

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 6 1985

DATE REPORT MAILED: July 13/85

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

PG 11 - ROCKS

ASSAYER: T. Saundry DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

RIO ALGOM EXPLORATION PROJECT - 8607 FILE # 85-1258 PAGE 1

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-700	18	8	259	.6	21	2	1
W85-701	10	8	152	.2	2	2	1
W85-702	1	10	77	.1	3	2	2
W85-703	2	5	42	.1	4	4	1
W85-704	2	9	57	.1	6	2	1
W85-705	2	6	66	.1	7	2	1
W85-706	4	13	152	.9	17	2	2
W85-707	2	7	64	.1	7	3	1
W85-708	1	9	61	.1	4	2	1
W85-709	1	6	59	.1	5	2	1
W85-710	1	8	65	.1	3	2	2
W85-711	1	9	46	.1	5	2	1
W85-712	2	6	72	.2	6	2	1
W85-713	2	6	58	.1	9	3	1
W85-714	1	4	56	.1	5	2	1
W85-715	1	5	50	.1	6	3	2
W85-716	2	5	55	.2	5	2	9
W85-717	1	10	45	.1	6	2	3
W85-718	2	5	33	.3	3	2	1
W85-719	1	3	27	.2	2	2	1
W85-720	1	8	53	.2	2	2	2
W85-721	3	13	53	.4	10	3	1
W85-722	1	5	29	.1	4	3	1
W85-723	1	9	83	.1	3	3	1
W85-724	1	7	59	.1	3	2	2
W85-725	1	7	23	.1	4	2	1
W85-726	1	6	33	.1	7	2	1
W85-727	1	2	41	.1	3	2	1
W85-728	1	7	27	.1	2	2	1
W85-729	1	7	33	.1	2	2	1
W85-730	2	11	56	.1	7	4	2
W85-731	1	7	39	.1	6	2	1
W85-732	1	7	40	.1	2	2	1
W85-733	1	10	32	.1	7	2	2
W85-734	1	9	90	.1	2	2	1
W85-735	8	19	126	.1	7	2	1
STD C/AU 0.5	20	44	129	7.0	41	15	475

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-736	1	11	53	.1	6	2	5
W85-737	3	16	100	.2	8	2	1
W85-738	1	12	68	.1	3	2	1
W85-739	1	10	43	.2	5	2	1
W85-740	1	13	79	.1	2	2	1
W85-741	2	13	89	.1	6	2	2
W85-742	2	13	114	.2	7	2	1
W85-743	2	12	102	.1	4	3	1
W85-744	1	6	59	.2	6	2	2
W85-745	1	6	49	.2	2	2	1
W85-746	2	9	70	.2	5	2	1
W85-747	2	14	144	.1	5	3	1
W85-748	6	22	64	.1	4	2	2
W85-749	1	11	100	.1	6	2	1
W85-750	1	8	114	.1	10	2	1
W85-751	1	6	55	.1	3	2	1
W85-752	5	14	190	.3	7	2	1
W85-753	5	15	139	.3	10	2	2
W85-754	1	11	58	.1	9	2	1
W85-755	1	9	125	.1	7	4	15
W85-756	3	14	299	.1	10	2	1
W85-757	4	13	61	.1	3	3	1
W85-758	1	13	73	.3	2	4	2
W85-759	8	28	286	.5	26	2	2
W85-760	4	21	80	.1	9	2	1
W85-761	7	18	167	.2	14	2	1
W85-762	1	11	92	.1	2	2	1
W85-763	1	7	83	.2	5	2	2
W85-764	1	13	96	.1	8	2	1
W85-765	1	11	47	.1	2	2	1
W85-766	2	14	107	.2	8	2	1
W85-767	1	12	57	.1	3	2	1
W85-768	5	20	125	.1	25	2	2
W85-769	8	15	62	.2	12	2	1
W85-770	1	13	56	.3	8	2	1
W85-771	1	8	51	.1	3	3	1
STD C/AU-0.5	21	41	129	7.1	39	16	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-772	1	4	54	.1	4	3	1
W85-773	1	10	87	.1	5	2	1
W85-774	1	4	63	.1	6	2	2
W85-775	1	4	107	.1	9	2	1
W85-776	1	2	52	.1	6	2	1
W85-777	1	4	46	.1	6	2	2
W85-778	1	5	37	.1	4	2	1
W85-779	1	2	55	.1	4	2	1
W85-780	1	4	42	.1	3	2	2
W85-781	1	6	33	.1	6	2	1
W85-782	3	9	63	.4	7	2	1
W85-783	1	5	38	.1	6	4	1
W85-784	1	4	20	.1	4	2	1
W85-785	2	6	52	.3	12	2	3
W85-786	1	3	98	.1	3	2	1
W85-787	1	6	56	.1	7	2	24
W85-788	1	7	104	.1	9	2	1
W85-789	1	10	69	.1	2	2	1
W85-790	2	5	229	.2	6	2	3
W85-791	2	20	210	.1	3	2	1
W85-792	2	9	238	.3	4	2	1
W85-793	1	4	62	.2	4	2	1
W85-794	1	6	70	.5	2	2	2
W85-795	1	7	41	.4	2	2	1
W85-796	2	9	36	.5	2	2	1
W85-797	2	6	125	.1	4	2	2
W85-798	2	5	99	.1	4	2	1
W85-799	4	9	104	.6	11	2	1
W85-800	2	8	56	.1	3	2	1
W85-801	3	5	53	.1	6	2	2
W85-802	2	6	52	.1	2	2	3
W85-803	3	10	115	.2	10	2	1
W85-804	5	14	95	.6	6	2	1
W85-805	1	9	64	.2	2	2	1
W85-806	1	6	60	.1	4	2	2
W85-807	2	8	62	.1	7	3	1
STD C/AU-0.5	20	38	131	7.3	40	15	500

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-808	2	10	44	.2	2	2	1
W85-809	1	4	161	.3	2	2	2
W85-810	2	5	153	.2	3	3	1
W85-811	4	6	207	.1	4	2	1
W85-812	5	10	201	.1	2	4	1
W85-813	2	8	130	.2	3	2	1
W85-814	2	3	163	.1	5	2	2
W85-815	7	8	410	.1	56	3	1
W85-816	5	11	543	.3	2	2	1
W85-817	5	11	400	.4	6	3	1
W85-818	9	10	391	.4	17	2	1
W85-819	7	15	418	.2	23	5	2
W85-820	6	9	236	.1	20	2	1
W85-821	2	7	194	.1	2	2	1
W85-822	4	9	242	.1	2	2	1
W85-823	6	6	432	.2	2	4	11
W85-824	7	9	266	.6	6	3	1
W85-825	5	7	111	.2	2	2	1
W85-826	3	9	112	.3	2	4	1
W85-827	3	12	236	.9	2	3	2
W85-828	1	6	196	.1	2	2	10
W85-829	3	13	304	.2	2	5	1
W85-830	18	11	372	.2	22	2	1
W85-831	4	5	214	.3	2	3	1
W85-832	1	5	94	.1	2	2	10
W85-833	4	7	142	.1	3	2	1
W85-834	4	7	124	.7	2	2	2
W85-835	14	16	306	2.6	2	3	2
W85-836	3	9	153	.5	2	2	1
W85-837	2	9	79	.5	2	3	1
W85-838	5	8	176	.9	2	2	1
W85-839	8	13	127	.6	3	2	2
W85-840	4	9	98	.2	2	2	3
W85-841	14	22	265	.2	2	2	1
W85-842	2	11	230	.3	2	2	1
W85-843	2	12	154	.2	2	2	4
STD C/AU-0.5	20	41	132	7.1	44	15	510

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-844	2	7	155	.3	5	2	1
W85-845	2	12	113	3.3	11	2	1
W85-846	1	11	96	.2	5	2	1
W85-847	2	5	107	.2	4	2	1
W85-848	1	8	54	.3	7	2	2
W85-849	3	6	116	.3	5	2	3
W85-850	1	6	48	.5	3	2	1
W85-851	5	12	252	.4	4	2	1
W85-852	1	8	93	.4	6	2	1
W85-853	1	8	65	.1	2	2	2
W85-854	1	10	68	.4	8	4	2
W85-855	1	7	72	.3	2	2	1
W85-856	1	2	66	.1	8	3	1
W85-857	1	5	68	.3	10	2	1
W85-858	1	2	52	.3	2	2	2
W85-859	1	5	54	.2	8	2	6
W85-860	1	7	47	.3	7	2	1
W85-861	1	3	72	.2	8	2	3
W85-862	1	7	59	.4	2	4	1
W85-863	1	6	51	.3	6	2	2
W85-864	1	10	119	1.0	8	3	1
W85-865	1	11	56	.3	11	2	1
W85-866	1	2	71	.1	10	2	1
W85-867	1	11	98	.2	8	2	2
W85-868	1	6	115	.1	6	2	8
W85-869	6	22	230	.1	10	2	2
W85-870	2	14	126	.2	9	2	22
W85-871	1	8	109	.3	11	2	1
W85-872	1	9	85	.1	5	2	1
W85-873	1	9	85	.1	9	2	21
W85-874	1	7	68	.3	11	5	1
W85-875	2	8	61	.2	5	2	1
W85-876	1	10	85	.4	5	2	1
W85-877	2	13	76	.1	15	2	2
W85-878	2	14	154	.1	9	2	1
W85-879	2	10	162	.1	2	2	2
STD C/AU-0.5	21	39	132	7.2	39	15	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-880	1	19	50	.2	2	2	2
W85-881	1	6	65	.2	3	2	14
W85-882	1	5	32	.1	3	2	3
W85-883	1	7	103	.1	8	2	4
W85-884	4	5	113	.3	8	2	2
W85-885	1	6	109	.2	2	3	1
W85-886	1	4	119	.1	4	2	2
W85-887	1	7	105	.3	6	2	2
W85-888	1	6	49	.1	2	2	1
W85-889	1	4	33	.1	4	3	12
W85-890	1	8	106	.1	9	2	2
W85-891	1	4	80	.2	6	2	3
W85-892	1	6	64	.1	3	2	2
W85-893	1	3	60	.1	4	2	4
W85-894	6	12	125	.7	11	2	27
W85-895	1	7	60	.1	3	2	3
W85-896	3	7	84	.1	7	2	2
W85-897	3	9	182	.1	9	2	6
W85-898	1	2	68	.1	2	2	2
W85-899	6	10	194	.6	12	5	2
W85-900	3	6	76	.1	2	2	2
W85-901	5	8	82	.6	6	2	1
W85-902	3	10	125	.3	7	2	2
W85-903	2	5	132	.2	4	2	2
W85-904	2	8	126	.1	5	2	2
W85-905	2	8	74	.1	2	2	2
W85-906	2	2	44	.1	2	2	1
W85-907	1	3	39	.2	2	2	1
W85-908	2	4	30	.1	2	2	2
W85-909	2	6	80	.2	2	3	3
W85-910	3	5	43	.1	2	3	2
W85-911	1	8	57	.1	5	2	2
W85-912	1	9	58	.1	2	2	3
W85-913	1	5	87	.1	10	2	2
W85-914	2	8	102	.3	4	2	2
W85-915	1	8	134	.2	5	2	3
STD C/AU-0.5	20	41	128	7.1	39	15	500

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-916	1	2	119	.1	3	2	2
W85-917	2	5	130	.1	4	2	1
W85-918	1	5	92	.2	3	2	6
W85-919	1	2	55	.1	8	2	1
W85-920	1	4	79	.1	2	2	1
W85-921	1	5	81	.3	7	2	1
W85-922	1	8	96	.2	4	2	1
W85-923	1	3	77	.3	5	2	2
W85-924	1	2	69	.1	6	3	1
W85-925	1	6	120	.3	6	2	2
W85-926	1	7	71	.4	4	2	1
W85-927	1	6	61	.3	4	2	1
W85-928	1	3	60	.1	8	2	2
W85-929	1	4	110	.1	4	2	1
W85-930	1	4	56	.4	5	2	2
W85-931	1	7	213	.2	2	2	32
W85-932	3	10	151	.1	2	2	1
W85-933	2	5	211	.1	2	2	1
W85-934	3	7	318	.1	5	2	1
W85-935	3	14	282	.3	3	2	30
W85-936	4	11	152	.1	2	2	1
W85-937	2	5	189	.3	10	2	3
W85-938	2	6	61	.4	2	2	1
W85-939	3	7	104	.1	2	2	1
W85-940	2	4	142	.1	3	2	1
W85-941	1	7	43	.3	4	3	2
W85-942	1	3	52	.2	6	2	1
W85-943	1	4	59	.1	8	2	1
W85-944	3	6	52	.7	6	2	1
W85-945	7	10	150	.3	12	2	1
W85-946	7	10	103	1.5	11	2	2
W85-947	12	9	111	1.8	13	3	1
W85-948	3	8	150	.2	5	2	1
W85-949	5	11	236	.7	9	2	1
W85-950	2	5	78	.4	3	2	1
W85-951	2	3	65	.4	6	2	2
W85-952	2	9	61	.1	3	2	1
STD C/AU-0.5	19	41	132	7.3	39	15	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-953	1	5	50	.4	7	2	8
W85-954	4	11	109	.7	9	2	1
W85-955	1	10	68	.7	7	3	33
W85-956	3	10	128	1.0	12	2	5
W85-957	1	11	139	.4	8	2	1
W85-958	1	5	55	.3	9	2	1
W85-959	1	8	121	.6	11	4	1
W85-960	2	9	166	.9	8	2	1
W85-961	1	10	178	1.5	9	4	3
W85-962	1	11	124	.3	7	2	1
W85-963	2	9	296	1.0	11	4	1
W85-964	1	9	104	.1	12	2	65
W85-965	1	15	85	.1	22	3	1
W85-966	1	10	85	.1	14	2	1
W85-967	1	10	64	.1	16	2	5
W85-968	1	8	78	.1	8	2	4
W85-969	1	12	66	.3	8	3	1
W85-970	1	11	74	.1	13	2	4
W85-971	1	8	52	.1	6	4	1
W85-972	1	7	94	.1	15	3	1
W85-973	1	11	118	.5	9	2	10
W85-974	1	9	109	.1	12	2	1
W85-975	1	9	109	.1	7	4	1
W85-976	1	7	72	.1	10	2	1
W85-977	1	11	57	.1	11	2	1
W85-978	1	11	129	.1	5	2	2
W85-979	1	6	59	.1	9	2	1
W85-980	1	8	84	.1	12	2	1
W85-981	2	7	118	.1	13	2	1
W85-982	1	9	107	.1	10	2	1
W85-983	4	29	164	.1	8	2	1
W85-984	1	8	88	.2	8	2	2
W85-985	1	9	89	.1	15	2	3
W85-986	1	10	80	.1	14	4	2
W85-987	2	7	94	.1	8	2	1
W85-988	1	2	64	.1	4	2	1
W85-989	1	9	100	.2	12	2	1
STD C/AU-0.5	20	40	130	6.8	41	15	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-990	3	10	65	.2	15	2	12
W85-991	3	9	113	.5	15	3	6
W85-992	18	8	236	.4	19	2	4
W85-993	6	8	138	.1	10	2	3
W85-994	15	11	141	.6	12	4	3
W85-995	1	5	51	.1	7	2	4
W85-996	2	10	39	.1	16	2	2
W85-997	1	5	49	.1	14	2	2
W85-998	1	5	40	.1	5	2	4
W85-999	1	2	42	.1	13	2	2
W85-1000	1	2	50	.2	12	3	5
W85-1001	1	7	57	.1	12	2	3
W85-1002	2	10	55	.2	5	2	2
W85-1003	1	3	57	.1	5	2	4
W85-1004	1	9	88	.1	6	2	2
W85-1005	1	3	42	.1	6	2	3
W85-1006	1	5	39	.1	2	2	1
W85-1007	1	6	152	.2	7	2	3
W85-1008	1	11	36	.2	2	5	3
W85-1009	2	12	68	.3	11	6	2
W85-1010	3	9	97	.4	5	2	2
W85-1011	1	6	87	.1	6	2	1
W85-1012	2	4	47	.1	9	3	3
W85-1013	1	6	35	.1	3	2	1
W85-1014	2	11	59	.2	11	2	4
W85-1015	1	12	40	.1	2	2	2
W85-1016	1	6	116	.1	14	2	4
W85-1017	1	3	77	.1	2	2	2
W85-1018	1	4	72	.1	6	2	3
W85-1019	3	4	44	.1	4	2	1
W85-1020	5	3	40	.1	6	2	2
W85-1021	3	6	124	.2	6	2	3
W85-1022	22	17	176	.4	14	2	2
W85-1023	3	4	119	.1	5	2	2
W85-1024	1	3	47	.1	3	2	3
W85-1025	2	6	65	.1	5	2	1
W85-1026	1	5	94	.1	12	2	2
STD C/AU 0.5	22	42	131	7.0	39	15	475

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-1027	1	17	93	.1	14	2	4
W85-1028	9	20	100	.5	12	2	9
W85-1029	1	16	162	.1	14	2	1
W85-1030	5	15	136	.5	13	2	2
W85-1031	9	30	202	.9	15	2	1
W85-1032	4	16	128	.3	11	2	1
W85-1033	1	16	73	.1	14	2	2
W85-1034	2	14	79	.3	14	2	3
W85-1035	1	15	61	.3	15	2	1
W85-1036	1	15	92	.4	11	5	1
W85-1037	1	10	36	.3	8	2	1
W85-1038	1	15	40	.2	6	2	1
W85-1039	1	7	41	.1	8	2	1
W85-1040	1	15	61	.2	6	2	2
W85-1041	1	8	48	.1	6	2	1
W85-1042	1	13	67	.3	6	3	1
W85-1043	1	14	81	.3	7	2	1
W85-1044	1	13	73	.3	8	2	1
W85-1045	1	10	77	.4	8	2	2
W85-1046	1	11	49	.2	4	2	1
W85-1047	1	6	55	.1	2	2	8
W85-1048	1	6	56	.1	6	2	1
W85-1049	1	7	25	.3	3	2	1
W85-1050	1	14	82	.1	7	3	2
W85-1051	1	12	76	.2	7	2	2
W85-1052	1	12	77	.3	5	2	1
W85-1053	1	10	91	.1	10	3	1
W85-1054	1	11	131	.1	7	2	1
W85-1055	2	11	87	5.1	6	2	2
W85-1056	4	12	104	1.0	20	2	2
W85-1057	1	8	88	.5	8	2	3
W85-1058	1	14	86	1.5	6	2	2
W85-1059	6	7	62	1.6	5	2	1
W85-1060	2	11	89	.3	8	2	1
W85-1061	2	13	73	.3	7	2	1
W85-1062	5	12	90	.6	2	2	2
W85-1063	2	9	149	.9	4	2	1
STD C/AU-0.5	21	38	134	7.2	40	15	490

:ME ANALYTICAL LABORATORIES LTD.
52 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
HONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 29 1985

DATE REPORT MAILED: Aug. 1/85

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

Pg. 4 - Rock

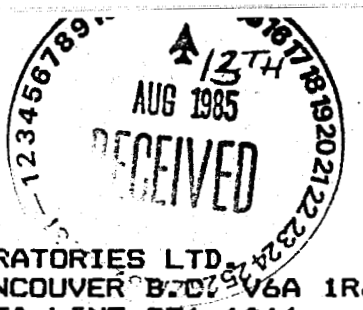
ASSAYER: T. Saundry DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

RIO ALGOM EXPLORATION PROJECT - 8607 FILE # 85-1624 PAGE 1

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W-85-2000	1	18	71	.1	3	2	2
W-85-2001	2	14	77	.1	2	2	1
W-85-2002	1	20	45	.1	6	2	2
W-85-2003	2	19	49	.3	2	2	1
W-85-2004	1	2	48	.4	2	2	7
W-85-2005	1	14	45	.4	2	3	2
W-85-2006	1	14	43	.3	2	2	1
W-85-2007	1	10	42	.2	2	2	1
W-85-2008	2	10	61	.3	2	2	1
W-85-2009	2	3	117	.3	6	2	1
W-85-2010	4	17	490	.8	5	2	2
W-85-2011	5	5	468	.3	25	2	12
W-85-2012	6	26	486	1.5	34	2	21
W-85-2013	2	6	156	2.0	4	2	7
W-85-2014	1	3	71	.3	2	2	1
W-85-2015	2	21	73	.5	5	2	1
W-85-2016	1	21	47	.5	2	2	4
W-85-2017	2	11	58	.1	4	2	1
W-85-2018	1	13	60	.1	5	2	2
W-85-2019	2	9	133	.7	2	2	2
W-85-2020	2	12	253	.9	6	2	2
W-85-2021	2	2	178	.8	4	2	1
W-85-2022	3	11	163	1.0	5	2	1
W-85-2023	3	21	144	.8	2	3	7
W-85-2024	3	25	147	.8	6	2	3
W-85-2025	5	19	291	.7	2	2	2
W-85-2026	5	14	442	1.9	5	2	11
W-85-2027	3	11	211	.1	4	2	33
W-85-2028	2	5	45	.1	2	3	1
W-85-2029	3	3	76	.1	3	2	5
W-85-2030	3	7	58	.1	4	2	1
W-85-2031	3	13	38	.1	2	3	1
W-85-2030	3	7	58	.1	4	3	1
W-85-2033	2	2	40	.1	2	2	1
W-85-2034	2	23	68	.2	4	4	1
W-85-2035	2	12	64	.2	3	3	3
STD C/AU-0.5	21	39	137	7.2	37	15	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W-85-2036	1	7	58	.1	4	2	1
W-85-2037	1	4	36	.3	5	2	1
W-85-2038	1	6	40	.2	4	2	1
W-85-2039	1	8	43	.2	2	2	2
W-85-2040	1	13	73	.1	4	2	1
W-85-2041	2	2	239	.8	5	2	1
W-85-2042	2	10	119	.4	3	3	8
W-85-2043	5	13	58	1.4	16	2	9
W-85-2044	5	14	70	2.4	20	2	16
W-85-2045	3	12	226	1.1	6	2	2
W-85-2046	1	9	77	.4	3	2	1
W-85-2047	2	9	77	.2	4	2	7
W-85-2048	1	5	89	.2	4	2	1
W-85-2049	1	8	51	.1	4	2	2
W-85-2050	1	5	48	.1	3	2	1
W-85-2051	1	3	33	.2	5	2	1
W-85-2052	1	11	59	.1	5	2	1
W-85-2053	2	12	121	.1	6	2	1
W-85-2054	2	5	58	.1	11	2	2
W-85-2055	1	4	47	.1	3	2	18
W-85-2056	1	11	54	.1	6	2	1
W-85-2057	1	11	36	.1	3	3	1
W-85-2058A	1	4	38	.1	4	3	2
W-85-2058B	1	11	59	.1	5	2	1
W-85-2059	1	7	72	.2	3	2	1
W-85-2060	2	8	43	.1	4	2	1
W-85-2061	2	4	111	.2	6	2	6
W-85-2062	3	2	145	.5	6	2	1
W-85-2063	2	7	70	.4	8	2	1
W-85-2064	5	12	108	2.0	6	2	8
W-85-2065	6	15	138	5.0	9	2	18
W-85-2066	3	7	355	1.0	8	2	7
W-85-2067	2	12	89	.1	4	2	1
W-85-2068	2	7	44	.1	7	2	4
W-85-2069	2	7	75	.1	5	2	1
W-85-2070	1	12	47	.2	5	2	1
STD C/AU-0.5	19	40	132	7.1	41	15	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W-85-2071	1	6	51	.4	5	2	1
W-85-2072	1	4	51	.3	3	2	1
W-85-2073	1	10	61	.3	4	2	1
W-85-2074	1	8	85	.2	9	2	2
W-85-2075	2	9	78	.1	5	2	1
W-85-2076	1	13	46	.1	3	2	1
W-85-2077	1	6	59	.1	4	2	3
W-85-2078	1	6	46	.1	3	2	1
W-85-2079	1	13	40	.1	2	2	1
W-85-2080	1	9	42	.2	3	2	1
W-85-2081	1	5	40	.1	3	2	2
STD C/AU-0.5	21	36	138	7.1	40	16	480



ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 7 1985

DATE REPORT MAILED: Aug. 12/85

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: T. Saundry. DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

RIO ALGOM EXPLORATION PROJECT - 8607 FILE # 85-1759 PAGE 1

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-1330	3	13	74	.2	3	2	1
W85-1331	3	19	89	.1	6	2	1
W85-1332	3	25	100	.1	7	2	2
W85-1333	3	20	47	.1	2	2	2
W85-1334	3	15	50	.3	2	2	1
W85-1335	5	9	53	.1	2	2	2
W85-1336	6	28	131	.1	3	2	1
W85-1337	2	9	24	.1	3	2	1
W85-1338	24	23	97	.2	9	2	80
W85-1339	4	15	117	.1	4	2	1
W85-1340	5	8	143	.2	4	2	1
W85-1341	6	16	75	.1	5	2	1
W85-1342	3	11	81	.1	7	2	2
W85-1343	2	10	69	.4	4	3	1
W85-1344	1	8	42	.1	3	2	2
W85-1345	13	15	96	.5	27	2	13
W85-1346	4	16	184	.2	7	3	2
W85-1347	3	9	69	.1	2	2	2
W85-1348	3	15	106	.2	7	2	2
W85-1349	3	10	98	.4	2	2	4
W85-1350	4	13	88	.5	5	3	3
W85-1351	3	11	54	.1	5	2	1
W85-1352	19	11	192	.1	2	2	2
W85-1353	3	6	39	.1	2	2	2
W85-1354	9	9	222	1.0	2	2	4
W85-1355	9	14	311	.6	9	2	2
W85-1356	2	11	259	.5	13	2	1
W85-1357	14	36	169	2.0	8	2	2
W85-1358	9	22	163	.2	3	2	2
W85-1359	2	12	31	.1	2	2	2
W85-1360	2	12	142	.2	3	2	2
W85-1361	1	9	177	.1	3	2	1
W85-1362	1	11	105	4.4	2	2	2
W85-1363	1	14	68	.4	3	2	1
W85-1364	1	12	54	.1	5	2	1
W85-1365	1	8	56	.5	2	4	1
STD C/AU 0.5	21	41	134	7.1	37	15	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-1366	1	12	57	.6	8	2	4
W85-1367	1	11	62	.4	7	2	12
W85-1368	7	4	70	.4	4	2	3
W85-1369	.5	4	63	.3	7	2	1
W85-1370	2	12	89	.4	6	2	5
W85-1371	1	9	72	.1	5	2	1
W85-1372	1	15	147	.5	3	4	2
W85-1373	1	7	52	.1	8	3	1
W85-1374	1	14	96	.6	10	2	2
W85-1375	2	6	46	.1	4	2	2
W85-1376	1	8	82	.7	6	2	1
W85-1377	2	13	88	.1	11	2	1
W85-1378	1	9	87	.4	5	2	1
W85-1378A	1	8	93	.2	5	2	2
W85-1379	2	10	86	.1	3	2	2
W85-1380	2	10	50	.2	3	4	1
W85-1381	1	4	26	.2	2	2	1
W85-1382	1	6	45	.2	2	2	2
W85-1383	2	12	103	.9	5	3	1
W85-1384	1	5	32	.1	4	2	3
W85-1385	1	6	46	.1	8	2	1
W85-1386	1	13	58	.1	7	2	2
W85-1387	1	21	71	.3	11	2	1
W85-1389	2	11	84	.2	5	2	1
W85-1390	3	17	91	.8	7	2	2
W85-1391	14	20	80	.6	6	2	1
W85-1392	1	10	65	.1	5	2	1
W85-1393	5	14	46	.2	4	2	2
W85-1394	6	11	61	.1	6	2	1
W85-1395	1	8	62	.3	2	2	1
W85-1396	1	9	39	.5	2	2	2
W85-1397	4	12	63	1.0	4	2	1
W85-1398	6	28	135	.4	4	2	1
W85-1399	5	11	98	.5	6	2	1
W85-1400	3	10	185	.5	5	2	3
W85-1401	1	6	45	.1	4	2	1
STD C/AU 0.5	20	39	132	6.8	40	17	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-1402	1	10	62	.5	5	3	1
W85-1403	3	6	117	.4	7	3	1
W85-1404	2	5	97	.3	10	5	1
W85-1405	1	13	76	.1	18	2	2
W85-1406	1	7	110	.8	7	2	1
W85-1407	1	8	89	1.3	3	2	1
W85-1408	1	5	83	1.5	6	2	2
W85-1409	1	5	107	.6	2	2	2
W85-1410	1	8	111	1.1	4	2	3
W85-1411	2	12	79	.8	4	2	1
W85-1412	2	11	69	.4	6	2	10
W85-1413	1	13	60	.3	3	2	2
W85-1414	4	10	72	.2	3	2	2
W85-1415	1	11	87	.5	2	2	13
W85-1416	5	12	99	.5	5	2	2
W85-1417	3	8	89	.4	5	2	1
W85-1418	11	14	92	.6	7	2	3
W85-1419	11	41	254	1.3	5	2	1
W85-1420	7	22	323	.3	2	2	1
W85-1421	1	12	75	.3	4	2	1
W85-1422	1	8	66	.1	6	2	2
W85-1423	1	6	94	.1	2	2	1
W85-1424	1	10	107	.1	5	2	1
W85-1425	1	9	112	.1	7	2	35
W85-1426	1	9	103	1.1	8	2	1
W85-1427	1	4	166	1.2	5	4	2
W85-1428	1	13	59	1.0	5	2	1
W85-1429	1	11	70	2.5	2	2	3
W85-1430	2	12	99	.3	2	2	7
W85-1431	1	7	95	.7	5	3	1
W85-1432	3	10	142	.5	5	2	1
W85-1433	2	13	143	.1	2	2	2
W85-1434	1	9	63	.1	2	2	1
W85-1435	1	8	81	.2	2	2	1
W85-1436	4	10	77	.1	4	2	1
W85-1437	12	20	151	.1	8	2	2
STD C/AU 0.5	20	39	133	7.1	39	16	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-1438	6	9	70	.2	4	2	1
W85-1439	7	8	74	.5	2	2	1
W85-1440	7	10	121	.3	10	2	1
W85-1441	5	12	89	.3	7	2	5
W85-1442	4	9	129	.8	2	2	1
W85-1443	17	22	156	1.3	4	2	1
W85-1444	6	10	133	.9	4	2	1
W85-1445	3	15	110	.3	6	2	18
W85-1446	2	10	57	.3	2	3	1
W85-1447	4	13	214	.6	6	3	1
W85-1448	3	12	107	.1	2	2	1
W85-1449	3	8	116	.5	2	3	1
W85-1450	1	8	33	.1	2	2	1
W85-1451	2	12	86	.3	2	2	1
W85-1452	2	9	109	.1	4	2	1
W85-1453	3	12	65	.1	5	4	1
W85-1454	8	10	55	.2	2	2	2
W85-1455	1	4	130	.5	6	3	1
W85-1456	2	12	152	.5	5	2	1
W85-1457	1	13	87	.2	5	2	1
W85-1458	1	11	102	.3	3	2	1
W85-1459	1	13	130	.1	2	2	1
W85-1460	1	2	67	.1	2	2	1
W85-1461	1	8	73	.1	4	2	2
W85-1462	1	7	89	.3	5	2	1
W85-1463	4	9	61	.4	5	2	1
W85-1464	4	9	72	.6	2	2	2
W85-1465	3	10	82	.3	6	2	1
W85-1466	2	11	74	.1	6	2	2
W85-1467	2	11	167	.3	4	2	1
W85-1468	3	21	200	1.0	6	2	2
W85-1469	10	19	220	.7	4	2	2
W85-1470	3	18	172	.2	6	2	1
W85-1471	3	13	111	.1	2	2	1
W85-1472	3	11	166	.5	3	2	2
W85-1473	4	15	400	.7	16	2	1
STD C/AU-0.5	21	40	137	7.0	38	15	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-1474	4	12	148	.5	7	5	1
W85-1475	3	9	85	1.6	5	2	1
W85-1476	2	13	146	1.2	6	4	2
W85-1477	2	5	80	2.7	4	2	1
W85-1478	8	16	339	.2	7	2	1
W85-1479	17	17	593	1.5	8	2	2
W85-1480	14	14	284	2.4	3	2	1
W85-1481	1	10	147	.1	2	2	1
W85-1482	6	10	150	.6	4	3	2
W85-1483	38	22	320	6.7	6	2	4
W85-1484	2	8	136	.3	2	3	33
W85-2100	1	6	143	.1	3	2	2
W85-2101	3	11	112	.6	8	3	2
W85-2102	1	11	77	.1	2	2	3
W85-2103	1	13	84	.1	3	2	1
W85-2104	1	7	86	.1	5	2	1
W85-2105	1	9	80	.1	6	3	1
W85-2106	1	7	75	.1	3	2	2
W85-2107	1	7	135	.1	3	2	1
W85-2108	1	10	62	.1	3	2	4
W85-2109	1	11	215	.1	3	4	1
W85-2110	1	10	172	.2	2	3	1
W85-2111	1	11	59	.1	9	2	5
W85-2112	1	17	75	.4	7	2	7
W85-2113	4	12	71	.4	2	3	1
W85-2114	1	15	66	.1	2	3	1
W85-2115	2	9	59	.5	7	2	5
W85-2116	1	13	94	.1	2	5	2
W85-2117	1	11	69	.1	4	2	1
W85-2118	2	10	53	.1	11	2	2
W85-2119	2	9	70	.1	8	2	1
W85-2120	1	10	65	.1	7	2	6
W85-2121	2	12	84	.3	7	2	2
W85-2122	1	9	28	.1	2	2	1
W85-2123	4	14	146	2.3	20	2	4
W85-2124	7	9	96	.3	14	5	2
STD C/AU 0.5	20	41	135	7.0	40	15	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-2125	2	8	185	.2	7	3	1
W85-2126	4	9	163	1.1	12	3	8
W85-2127	19	20	225	2.5	34	2	7
W85-2128	3	11	149	.3	13	2	5
W85-2129	5	7	313	.6	22	3	5
W85-2130	12	20	322	1.6	28	3	15
W85-2131	14	14	270	1.2	30	2	8
W85-2132	5	9	162	.9	21	3	6
W85-2133	3	11	70	.1	9	3	5
W85-2134	2	9	53	.1	10	2	1
W85-2135	1	6	57	.1	4	2	1
W85-2136	1	9	46	.2	7	2	3
W85-2137	2	11	66	.1	7	3	2
W85-2138	3	12	99	.5	31	2	8
W85-2139	6	8	51	.1	19	2	6
W85-2140	2	14	15	.1	2	2	16
W85-2141	4	9	54	.3	18	2	5
W85-2142	3	9	25	.1	3	2	3
W85-2143	1	12	101	.2	5	3	4
W85-2144	1	10	289	.7	3	3	3
W85-2145	3	14	120	.3	12	3	6
W85-2146	2	7	65	.1	9	2	2
W85-2147	3	9	84	.2	11	2	2
W85-2148	1	10	73	.3	6	2	7
W85-2149	2	18	92	.1	4	2	1
W85-2150	2	7	87	.2	5	2	4
W85-2151	3	15	191	1.9	18	2	5
W85-2152	3	13	195	.6	22	2	4
W85-2153	3	13	290	.1	16	2	5
W85-2154	3	7	170	.1	5	2	3
W85-2155	2	11	129	.1	7	2	2
W85-2156	2	9	189	.2	11	2	4
W85-2157	3	10	278	.3	24	2	5
W85-2158	2	9	289	.2	17	2	2
W85-2159	3	8	162	.4	17	2	1
W85-2160	5	9	277	.5	34	2	5
STD C/AU 0.5	20	38	130	6.9	41	15	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-2161	3	11	94	.3	13	2	9
W85-2162	4	6	85	.5	17	2	6
W85-2163	3	7	82	.3	10	2	6
W85-2164	1	6	49	.2	9	3	3
W85-2165	2	8	80	.5	11	4	3
W85-2166	3	8	59	.1	22	3	5
W85-2167	3	7	67	.1	8	2	4
W85-2168	8	18	96	1.1	49	2	8
W85-2169	2	10	61	.4	15	3	3
W85-2170	1	9	53	.1	11	2	6
W85-2171	11	17	148	1.2	58	2	13
W85-2172	1	6	76	.2	8	2	4
W85-2173	4	6	154	.1	17	2	4
W85-2174	5	13	256	.3	21	3	4
W85-2175	3	8	115	.2	20	2	6
W85-2176	1	6	133	.1	14	2	4
W85-2177	3	9	127	.1	19	2	4
W85-2178	2	7	73	.1	8	2	4
W85-2179	2	11	80	.2	10	2	3
W85-2180	3	5	91	.1	14	2	6
W85-2181	2	9	128	.2	12	2	7
W85-2182	1	10	107	.1	5	3	2
W85-2183	3	23	151	.4	10	3	2
W85-2184	1	5	66	.1	8	2	3
W85-2185	2	11	132	.2	9	2	4
W85-2186	2	10	109	.4	6	3	9
W85-2187	1	4	64	.1	2	2	8
W85-2188	4	12	162	.5	8	2	5
W85-2189	3	9	106	.1	16	2	3
W85-2190	4	9	64	.1	22	2	3
W85-2191	2	7	41	.1	13	2	7
W85-2192	3	11	100	.2	43	3	4
W85-2193	4	10	101	1.1	25	2	3
W85-2194	1	9	37	.1	5	2	2
W85-2195	4	15	107	.6	22	3	3
W85-2196	1	9	102	.1	11	2	3
STD C/AU-0.5	19	41	135	7.1	38	15	485

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-2197	1	12	112	.1	5	2	3
W85-2198	1	13	80	.1	7	2	6
W85-2199	1	5	26	.1	6	2	2
W85-2200	1	6	74	.1	6	2	3
W85-2201	1	11	57	.1	6	2	8
W85-2202	2	9	25	.1	2	2	1
W85-2203	1	7	25	.1	2	3	6
W85-2204	1	10	33	.1	2	2	7
W85-2205	1	11	54	.3	5	2	5
W85-2206	3	12	127	.6	26	2	7
W85-2207	1	12	76	.7	17	4	4
W85-2208	1	10	43	.3	3	2	3
W85-2209	8	21	71	.1	26	2	1
W85-2210	7	33	68	.1	30	3	2
W85-2211	8	17	133	.2	21	4	3
W85-2212	6	14	225	.1	15	4	1
W85-2213	3	11	202	.1	7	2	3
W85-2214	3	13	111	.1	5	2	2
W85-2215	2	8	113	.1	4	2	10
W85-2216	1	9	47	.1	2	2	3
W85-2217	1	5	43	.1	2	2	4
W85-2218	1	7	24	.1	2	3	2
W85-2219	1	11	63	.1	4	2	1
W85-2220	1	9	37	.1	2	2	1
W85-2221	1	9	66	.1	2	2	5
W85-2222	1	8	70	.1	6	2	1
W85-2223	1	7	32	.1	2	2	1
W85-2225	1	10	69	.1	2	2	6
W85-2226	1	5	67	.1	3	2	3
W85-2227	3	6	225	.1	7	2	4
W85-2228	3	7	190	.1	20	2	2
W85 2229	6	13	188	.6	36	2	10
W85 2230	3	10	168	.2	14	2	4
W85 2231	2	5	153	.1	12	2	28
W85 2232	1	10	80	.1	11	2	8
W85 2233	3	6	121	.2	10	2	11
STD C/AU 0.5	21	41	132	6.9	38	17	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-2234	2	8	127	.4	7	2	5
W85-2235	2	7	85	.6	8	2	5
W85-2236	1	11	67	.1	4	2	1
W85-2237	1	4	62	.1	3	2	1
W85-2238	4	5	140	.3	2	2	4
W85-2239	2	7	36	.1	2	2	2
W85-2240	3	12	71	.3	57	4	1
W85-2241	2	8	39	.1	8	5	2
W85-2242	1	10	57	.1	5	3	1
W85-2243	2	8	32	.1	18	2	3
W85-2244	1	8	92	.1	12	3	1
W85-2245	1	8	120	.1	2	2	1
W85-2246	2	8	131	.4	11	2	7
W85-2247	2	9	202	.3	6	2	1
W85-2248	2	11	180	.2	9	3	1
W85-2249	2	7	125	.3	13	2	2
W85-2250	2	23	39	.2	7	2	1
W85-2251	2	28	31	.4	3	2	1
W85-2252	2	18	86	.6	13	2	11
W85-2253	1	16	33	.1	2	2	1
W85-2254	1	8	35	.1	3	3	7
W85-2255	2	7	42	.1	5	2	1
W85-2256	1	14	59	.2	6	2	4
W85-2257	1	9	69	.3	3	2	1
W85-2258	1	7	87	.4	8	3	1
W85-2259	1	10	54	.3	2	2	1
W85-2260	1	6	50	.4	5	2	1
W85-2261	1	9	47	.2	4	2	1
W85-2262	1	6	34	.2	4	3	1
W85-2263	1	10	60	.1	6	2	7
W85-2264	1	10	63	.1	4	3	1
W85-2265	1	8	104	.2	5	3	1
W85-2266	1	9	107	.1	2	2	1
W85-2267	2	10	86	.1	7	4	1
W85-2268	7	26	210	.1	9	3	1
W85-2269	6	14	176	.1	4	2	13
STD C/AU 0.5	20	40	132	6.9	41	16	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-2270	12	18	275	.2	17	2	5
W85-2271	4	19	222	.5	19	2	2
W85-2272	1	10	195	.1	4	2	3
W85-2273	6	17	92	.1	17	2	3
W85-2275	5	48	81	.7	20	5	23
W85-2276	3	47	75	1.6	12	2	10
W85-2277	2	43	46	.3	7	2	4
W85-2278	2	15	39	.1	5	3	25
W85-2279	2	17	55	.7	7	3	6
W85-2280	5	116	140	2.3	16	2	14
W85-2281	4	29	110	.4	8	4	10
W85-2282	1	10	43	.1	4	2	8
W85-2283	4	13	120	.5	9	2	2
W85-2284	1	5	52	.1	4	4	6
W85-2285	1	8	111	.4	3	2	2
W85-2286	2	11	147	.1	10	2	36
W85-2287	1	7	160	.1	5	3	6
W85-2288	2	6	118	.1	5	2	5
W85-2289	1	6	38	.1	3	2	3
W85-2290	2	7	85	.1	5	2	3
W85-2291	1	9	50	.1	4	3	4
W85-2292	9	19	112	.4	9	2	4
W85-2293	2	8	128	.1	6	2	3
W85-2294	1	8	26	.1	3	2	4
W85-2295	2	10	70	.1	6	2	8
W85-2296	2	8	31	.1	4	2	3
W85-2297	2	15	80	.1	8	2	15
W85-2298	3	10	83	.1	13	2	3
W85-2299	1	9	54	.3	11	2	26
W85-2300	2	7	113	.2	6	2	9
W85-2301	1	6	58	.1	8	3	4
W85-2302	1	7	56	.1	8	3	2
W85-2303	3	7	152	.1	7	2	4
W85-2304	2	7	136	.2	5	2	6
W85-2305	3	3	51	.1	10	2	7
W85-2306	2	2	132	.1	9	3	5
STD C/AU 0.5	20	41	134	7.0	39	15	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
W85-2307	2	10	88	.5	9	3	14
W85-2308	4	12	168	.5	19	3	10
W85-2309	2	9	76	.4	8	3	8
W85-2310	2	7	181	.3	19	3	6
W85-2311	2	9	34	.1	4	3	3
W85-2312	2	7	126	.3	7	3	5
W85-2313	3	7	81	.2	14	4	6
W85-2314	3	12	70	.1	14	3	5
W85-2315	2	13	69	.2	13	3	10
W85-2316	1	7	45	.2	6	2	2
W85-2317	4	10	61	.5	19	2	4
W85-2318	10	21	73	.5	51	4	6
W85-2319	4	11	91	.2	18	2	7
W85-2320	3	12	55	.2	21	4	10
W85-2321	2	13	51	.1	21	2	7
W85-2322	4	9	83	.2	8	5	6
W85-2323	2	10	73	.2	3	2	2
W85-2324	1	10	49	.1	5	2	3
STD C/AU 0.5	21	41	130	7.0	41	17	480

APPENDIX D

ROCK SAMPLE ANALYSES

SAMPLE#	Ag ppm	Au* ppb
G-2601	.5	65
G-2602	1.7	250
G-2603	.2	18
G-2604	.2	20
G-2605	.6	34
G-2606	.1	5
G-2607	.3	3
G-2608	.4	7
G-2609	.2	4
G-2610	.2	8
G-2611	.2	3
G-2612	2.7	20
G-2613	.1	2
G-2614	.1	3
G-2615	.3	43
G-2616	.3	27
G-2617	.1	4
G-2618	2.0	140
G-2619	1.2	28
G-2620	1.0	17
G-2621	.9	11
G-2622	.6	9
G-2623	.8	45
G-2624	1.0	47
G-2625	.5	39
G-2626	.1	40
G-2627	.7	17
G-2628	3.2	51
G-2629	2.3	22
G-2630	1.5	23
G-2631	.9	29
G-2632	.5	25
G-2633	1.1	1
G-2634	.8	15
G-2635	2.6	14
G-2636	2.2	32
STD C/AU-0.5	7.2	510

SAMPLE#	Ag ppm	Au* ppb
G-2637	7.4	2
G-2638	2.1	4
G-2639	3.5	14
G-2640	3.0	12
G-2641	1.4	12
G-2642	.4	35
G-2643	.6	26
G-2644	.1	24
G-2645	.1	10
G-2646	.1	16
STD C/AU-0.5	7.2	505

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUNE 14 1985

DATE REPORT MAILED: June 20/85

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: T. Saundry. DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

RIO ALGOM EXPLORATION PROJECT - 8607 FILE # 85-0934 PAGE 1

SAMPLE#	Ag PPM	Au* PPB
G-2647	.9	15
G-2648	.3	23
G-2649	.3	7
G-2650	1.5	35
G-2651	12.2	170
G-2652	1.0	27
G-2653	.2	19
G-2654	.3	14
G-2655	1.3	26
G-2656	.4	39
G-2657	.3	42
G-2658	.8	40
G-2659	.5	29
G-2660	.2	10
G-2661	.5	9
G-2662	.4	9
G-2663	.4	12
G-2664	.2	17
G-2665	.3	25
G-2666	.3	11
G-2667	.3	13
G-2668	.5	22
G-2669	.6	14
G-2670	.4	36
G-2671	.6	17
G-2672	.5	18
G-2673	.2	2
G-2674	.3	25
G-2675	.3	7
G-2676	.2	4
G-2677	10.3	340
G-2678	.2	28
G-2679	.4	65
G-2680	.6	42
G-2681	.8	4
G-2682	.6	5
STD C/AU 0.5	7.0	510

SAMPLE#	Ag PPM	Au* PPB
G-2683	.7	36
G-2684	.3	16
G-2685	.6	85
G-2686	.4	44
G-2687	1.0	38
G-2688	.7	42
G-2689	.3	9
G-2690	.6	44
G-2691	.4	455
G-2692	.4	59
G-2693	20.5	2100
G-2694	.4	19
G-2695	.3	59
G-2696	1.0	85
G-2697	.3	40
G-2698	.2	32
STD C/AU-0.5	6.8	495

CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL. (604) 946-4448

GEOCHEMICAL REPORT

TO: Rio Algom Exploration Inc.
520 - 800 West Pender
Vancouver, B.C.
V6C 2V6

FILE NO.: 85-53

DATE: June 20, 1985

ATTENTION: C. Spence cc. L. Holmgren

PROJECT: 8607

Sample Description	Au ppb	Ag ppm
G 2699	5	1.3
2700	15	1.4
2701	40	0.4
2702	35	1.4
2703	25	0.1
2704	60	0.1
2705	170	1.5
2706	185	0.4
2707	170	1.3
2708	30	0.1
2709	330	3.4
2710	210	3.7
2711	75	1.4
2712	140	1.2
2713	90	1.3

Results on this page are geochemical determinations:
Au: fire assay, AA.
Ag: aqua regia digestion, AA.

Duncan Sanderson

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUNE 24 1985

DATE REPORT MAILED: June 26/85

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

RIO ALGOM EXPLORATION PROJECT - 8607 FILE # 85-1077 PAGE 1

SAMPLE#	Ag PPM	Au* PPB
G-1679	.7	230
G-1680	1.8	290
G-1681	.9	135
G-1682	.9	190
G-1683	1.1	280
G-1684	2.1	190
G-2714	1.0	105
G-2715	.9	210
G-2716	1.3	110
G-2717	1.5	225
G-2718	15.1	1800
G-2719	3.4	610
G-2720	1.6	250
G-2721	3.2	360
G-2722	3.7	470
G-2723	6.1	940
G-2724	6.7	680
G-2725	2.7	480
G-2726	.3	35
G-2727	1.3	265
G-2728	2.5	320
G-2729	11.5	1800
G-2730	2.2	850
G-2731	1.4	230
G-2732	2.3	225
G-2733	2.1	235
G-2734	1.6	40
G-2735	.4	30
G-2736	3.2	330
G-2737	3.8	410
G-2738	1.7	240
G-2739	4.5	985
G-2740	6.0	1550
G-2741	4.7	200
G-2742	1.3	90
G-2743	.4	16
STD C/AU-0.5	6.8	510

SAMPLE#	Ag PPM	Au* PPB
G-2744	2.2	75
G-2745	12.2	780
G-2746	6.1	310
G-2747	2.0	310
G-2748	1.6	165
G-2749	1.5	250
G-2750	1.4	265
G-2765	.7	5
G-2766	1.2	10
G-2767	.2	2
G-2768	.2	5
G-2769	.1	2
G-2770	.4	3
G-2771	.4	2
G-2772	.1	5
G-2773	.7	2
G-2774	.2	1
G-2775	.1	1
G-2776	.6	2
G-2777	.3	1
G-2778	.1	1
G-2779	.3	2
G-2780	.1	1
G-2781	.4	2
G-2782	2.5	7
G-2783	.2	2
G-2784	.2	3
G-2785	1.0	2
G-2786	.2	1
G-2787	.1	1
G-2788	.2	1
G-2789	.1	2
STD C/AU-0.5	6.9	490

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
G2790	6	4	39	.1	7	2	4
G2791	12	9	24	.2	7	3	1
G2792	5	5	29	.1	2	2	1
G2793	1	5	70	.3	10	2	11
G2794	6	5	32	.1	7	2	2
G2795	5	3	16	.1	6	2	1
G2796	1	2	6	.1	2	2	1
G2797	3	6	17	.1	4	2	1
G2798	9	8	18	.1	3	2	4
G2799	4	10	21	1.1	5	2	9
G2800	1	8	20	.1	2	2	1
STD C/AU-0.5	21	39	128	7.0	38	15	500

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 17 1985 DATE REPORT MAILED: June 24/85 ASSAYER. T. Saundry DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

RIO ALGOM EXPLORATION PROJECT - 8607 FILE # 85-0956

SAMPLE#	Mo PPM	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 %	W PPM	Au* PPB
G-2751	1	4	2	63	.1	2	4	612	2.91	5	5	ND	6	13	1	2	2	14	.32	.09	12	1	.09	164	.01	2	.34	.05	.05	1	1
G-2752	1	13	4	68	.1	2	4	985	2.75	5	5	ND	4	16	1	2	2	23	1.36	.07	11	3	.86	83	.01	4	1.19	.04	.07	1	1
G-2753	1	15	2	23	.1	2	2	539	1.06	2	5	ND	3	11	1	2	2	10	.55	.03	8	3	.31	97	.01	3	.35	.04	.02	1	1
G-2754	2	9	19	57	.2	1	1	325	1.18	10	5	ND	9	5	1	3	5	3	.15	.02	11	1	.03	55	.01	4	.25	.03	.10	1	1
G-2755	1	12	5	46	.3	1	1	322	.94	5	5	ND	8	7	1	2	2	3	.43	.03	11	1	.02	191	.01	5	.24	.03	.12	1	2
G-2756	1	5	2	51	.1	2	4	443	1.38	5	5	ND	5	27	1	2	3	15	.50	.04	5	3	.47	111	.10	4	.80	.04	.10	1	1
G-2757	1	5	2	41	.1	2	3	474	1.14	3	5	ND	5	19	1	2	6	10	.33	.04	6	3	.35	69	.03	5	.74	.06	.14	1	1
G-2758	1	2	2	18	.2	1	1	247	.47	3	5	ND	4	35	1	2	2	5	.47	.02	5	3	.15	114	.05	3	.59	.03	.08	1	1
G-2759	1	2	2	5	.1	2	1	95	.35	2	5	ND	1	32	1	2	2	3	.36	.01	2	2	.04	127	.02	2	.33	.02	.03	1	1
G-2760	1	5	6	55	.1	1	3	563	2.40	2	6	ND	5	10	1	3	2	24	.44	.08	11	2	.75	29	.15	3	1.04	.04	.03	1	1
G-2761	1	12	7	44	.1	2	3	455	1.88	5	5	ND	4	11	1	3	3	22	.52	.04	13	1	.65	42	.05	3	.91	.05	.04	1	1
G-2762	1	11	13	134	.1	13	6	837	4.48	6	5	ND	5	23	1	2	2	77	.79	.05	10	27	1.49	41	.23	4	2.36	.43	.04	1	2
G-2763	1	15	4	48	.2	2	3	442	1.76	3	5	ND	7	13	1	3	2	17	.65	.04	12	2	.49	73	.01	3	.80	.04	.06	1	1
G-2764	1	10	2	69	.1	2	4	934	2.48	2	5	ND	6	23	1	2	2	31	.66	.06	10	6	.80	52	.16	4	1.08	.09	.09	1	1
STD C/AU-0.5	17	56	38	131	7.3	69	27	1114	3.90	38	16	6	41	50	17	15	19	59	.48	.14	37	57	.87	181	.08	39	1.71	.05	.10	12	470

E ANALYTICAL LABORATORIES LTD.
E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
NE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 10 1985

DATE REPORT MAILED: July 14/85

GEOCHEMICAL ICP ANALYSIS

)0 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
:S LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: T. Saundry .DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

RIO ALGOM EXPLORATION PROJECT - 8607 FILE # 85-1316 PAGE 1

SAMPLE#	Ag PPM	Au* PPB
G-3301	2.3	450
G-3302	2.5	730
G-3303	.2	9
G-3304	4.9	430
G-3305	38.6	2200
G-3306	1.8	270
G-3307	2.2	300
G-3308	6.0	250
G-3309	5.9	500
G-3310	6.7	290
G-3311	8.4	510
G-3312	3.6	980
G-3313	12.5	2000
G-3314	11.5	2100
G-3315	1.1	150
G-3316	5.6	930
G-3317	.6	90
G-3318	3.4	750
G-3319	.9	155
G-3320	1.2	310
G-3321	.5	115
G-3322	.6	90
G-3323	3.3	1600
G-3324	2.9	460
G-3325	1.2	100
G-3326	12.0	800
G-3327	1.8	75
G-3328	2.3	410
G-3329	7.7	700
G-3330	1.6	100
G-3331	5.9	290
G-3332	36.7	1300
G-3333	2.7	180
G-3334	.8	90
G-3335	1.2	100
STD C/AU-0.5	7.1	480

SAMPLE#	Mo PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
G-1685	16	12	10	1.5	89	7	155
G-1686	7	15	10	1.0	66	6	210
G-1687	13	10	12	1.2	54	2	135
G-1688	7	17	24	.3	61	2	80
G-1689	5	13	15	.2	32	2	65
G-1690	9	8	26	.1	32	2	75
G-1691	10	10	74	.1	8	2	7
G-1692	20	9	62	.1	4	2	8

SAMPLE#	Ag PPM	Au* PPB
G-1693	.6	90
G-1694	1.3	110
G-1695	.3	125
G-1696	1.0	24
G-1697	.3	130
STD C/AU 0.5	7.0	480

APPENDIX E

TRENCH AND DRILL CORE SAMPLING ASSAYS

AND

GEOCHEMICAL RESULTS

CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL. (604) 946-4448

ASSAY REPORT

TO: Rio Algom Exploration Inc.
520 - 800 West Pender
Vancouver, B.C.
V6C 2V6

FILE NO.: 85-50

DATE: June 11, 1985

ATTENTION: Colin Spence cc. Lisa Holmgren

PROJECT: 8607

Sample Description	Au g/tonne	Ag g/tonne
D 13001	1.70	13.0
13002	3.00	7.5
13003	1.90	15.5
13004	3.40	13.0
13005	.60	9.0
13006	.80	10.0
13007	.20	2.5
13008	1.50	6.0
13009	1.10	10.0
13010	.40	10.0
13011	.30	12.5
13012	.10	1.0
13013	1.10	6.0
13014	3.40	15.0

Au,Ag: fire assay, gravimetric finish.

Rejects retained one month, pulps one year, unless specific arrangements made.

Certified Assayer of British Columbia

CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL (604) 946-4448

ASSAY REPORT

TO: Rio Algom Exploration Inc.
520 - 800 West Pender
Vancouver, B.C.
V6C 2V6

FILE NO.: 85-53

DATE: June 20, 1985

ATTENTION: C. Spence cc. L. Holmgren

PROJECT: 8607

Sample Description	Au g/tonne	Ag g/tonne
D 13051	0.20	8.0
13052	0.10	8.5
13053	0.10	5.5
13054	<0.05	9.0
13055	<0.05	4.5
13056	<0.05	7.5
13057	<0.05	5.5
13058	<0.05	3.0
13059	0.30	5.5
13060	<0.05	4.0
13061	<0.05	2.5
13062	0.15	<0.5
13063	<0.05	4.0
13064	0.05	5.5
13065	0.05	2.0
13066	<0.05	3.0
13067	0.05	4.5
13068	<0.05	4.0
13069	0.15	9.0
13070	0.15	1.0
13071	<0.05	4.5
13072	<0.05	0.5
13073	0.10	1.0
13074	<0.05	6.5
13075	0.05	2.0
13076	<0.05	6.0

Results on this page are assays:
Au,Ag: fire assay, gravimetric finish.

Rejects retained one month, pulps one year, unless specific arrangements made.

Duncan Sanderson
Certified Assayer of British Columbia

CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL (604) 946-4448

ASSAY REPORT

TO: Rio Algom Exploration Inc.
520 - 800 West Pender
Vancouver, B.C.
V6C 2V6

FILE NO.: 85-59

DATE: June 26, 1985

ATTENTION: C. Spence cc. L. Holmgren

PROJECT: 8607

Sample Description	Au g/tonne	Ag g/tonne
D 13077	0.05	5.0
D 13078	0.10	3.5
D 13079	0.20	4.0
D 13080	0.20	1.5
D 13081	0.20	5.5
D 13082	0.30	4.0
D 13083	0.10	<0.5
D 13084	<0.05	3.5
D 13085	0.10	2.5
D 13086	0.05	6.5
D 13087	<0.05	4.5
D 13088	0.40	3.0
D 13089	1.00	8.0
D 13090	<0.05	4.0
D 13091	0.15	3.5
D 13092	0.05	1.5
D 13093	0.05	2.5
D 13094	<0.05	6.0
D 13095	<0.05	2.5
D 13096	<0.05	2.5
D 13097	<0.05	3.5
D 13098	0.05	3.0
D 13099	<0.05	3.0
D 13100	0.10	5.0
D 13101	<0.05	3.5
D 13102	<0.05	7.0
D 13103	<0.05	3.0
D 13104	<0.05	5.0
D 13105	0.10	4.0
D 13106	<0.05	4.0
D 13107	<0.05	0.5
D 13108	<0.05	<0.5

Au, Ag: fire assay, gravimetric finish.

Rejects retained one month, pulps one year, unless specific arrangements made.

Duncan Sanderson
Certified Assayer of British Columbia

CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL. (604) 946-4448

GEOCHEMICAL REPORT

TO: Rio Algom Exploration Inc.
520 - 800 West Pender
Vancouver, B.C.
V6C 2V6

FILE NO.: 85-81A

DATE: July 15, 1985

ATTENTION: C.D. Spence cc. L. Holmgren

PROJECT: 8607

Sample Description	Ag ppm
13001	12.3
13002	7.4
13003	13.6
13004	11.9
13005	9.9
13006	9.8
13007	1.8
13008	5.3
13009	10.7
13010	11.2
13011	12.2
13012	1.2
13013	5.1
13014	16.8
13051	2.0
13052	3.5
13053	1.9
13054	1.9
13055	0.6
13056	0.6
13057	0.7
13058	0.4
13059	0.4
13060	0.3
13061	1.0
13062	0.6
13063	0.6
13064	0.9
13065	0.4
13066	0.1
13067	1.1
13068	0.2
13069	0.5
13070	0.1
13071	0.1
13072	0.2
13073	0.2
13074	0.2
13075	1.1
13076	0.7

Duncan Sanderson

CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL (604) 946-4448

FILE NO.: 85-81A

GEOCHEMICAL REPORT

Sample Description	Ag ppm
13077	0.2
13078	0.4
13079	1.8
13080	0.4
13081	3.9
13082	2.3
13083	0.6
13084	0.4
13085	1.3
13086	0.3
13087	0.7
13088	2.4
13089	2.1
13090	1.1
13091	0.6
13092	1.8
13093	1.4
13094	1.1
13095	0.3
13096	0.4
13097	1.6
13098	1.1
13099	0.9
13100	0.4
13101	0.4
13102	0.5
13103	0.7
13104	0.5
13105	0.1
13106	0.3
13107	0.5
13108	0.5

Results are geochemical determinations:
Ag: aqua regia digestion, AA.

Duncan Sanduan

CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL (604) 946-4448

GEOCHEMICAL REPORT

TO: Rio Algom Exploration Inc.
520 - 800 West Pender
Vancouver, B.C.
V6C 2V6

FILE NO.: 85-65

DATE: June 28, 1985

ATTENTION: C. Spence cc. L. Holmgren

PROJECT: 8607

Sample Description	Au ppb	Ag ppm
D 13109	5	.3
13110	40	.5
13111	85	.5
13112	35	.3
13113	30	1.2
13114	50	.5
13115	80	.7
13116	60	.5
13117	50	.6
13118	25	.5
13119	65	1.6
13120	40	1.2
13121	80	1.0
13122	75	1.1
13123	100	2.1
13124	20	1.1
13125	60	.7
13126	95	1.6
13127	30	.3
13128	25	.9
13129	20	.4
13130	20	.2
13131	25	.3
13132	35	.3
13133	50	.2
13134	40	.2
13135	40	.4
13136	60	.3
13137	5	1.2
13138	30	.6
13139	20	.5
13140	160	.8
13141	30	.7
13142	40	.7
13143	60	.6
13144	95	.5
13145	300	7.4
13146	55	1.0
13147	40	.4

Results are geochemical determinations:
Au: fire assay, AA.
Ag: aqua regia digestion, AA.

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CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL. (604) 946-4448

GEOCHEMICAL REPORT

TO: Rio Algom Exploration Inc.
520 - 800 West Pender
Vancouver, B.C.
V6C 2V6

FILE NO.: 85-76

DATE: July 8, 1985

ATTENTION: C. Spence cc. L. Holmgren

PROJECT: 8607

Sample Description	Au ppb	Ag ppm
D 13148	20	1.1
13149	70	1.4
13150	35	2.1
13151	45	1.5
13152	30	2.4
13153	15	.3
13154	70	2.7
13155	20	.4
13156	50	.6
13157	20	.8
13158	60	.7
13159	20	.7
13160	35	.9
13161	120	1.0
13162	45	1.0
13163	50	.7
13164	270	.7
13165	230	.9
13166	120	.9
13167	25	.8
13168	55	.7
13169	30	.7
13170	50	.9
13171	20	1.1
13172	135	1.2
13173	90	1.2
13174	65	1.0
13175	110	1.6
13176	270	1.8
13177	110	1.1
13178	610	2.9
13179	25	1.2
13180	110	1.2
13181	140	2.7
13182	90	1.4
13183	220	2.1
13184	195	3.6
13185	190	2.4
13186	70	1.0
13187	70	1.7

Neil Juge

CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL. (604) 946-4448

FILE NO.: 85-76

GEOCHEMICAL REPORT

Sample Description	Au ppb	Ag ppm
D 13188	90	2.1
13189	35	.8
13190	50	.9
13191	180	2.9
13192	120	1.8
13193	140	2.1
13194	110	.9
13195	190	2.9
13196	230	5.3
13197	350	2.9
13198	180	2.0
13199	175	2.4
13200	130	2.2
13201	195	2.6
13202	240	3.0
13203	430	3.4
13204	460	2.5
13205	660	1.1
13206	20	.8
13207	10	.3
13208	95	1.4
13209	20	.6

Results are geochemical determinations:
Au: fire assay, AA.
Ag: aqua regia digestion, AA.

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CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL (604) 946-4448

GEOCHEMICAL REPORT

TO: Rio Algom Exploration Inc.
520 - 800 West Pender
Vancouver, B.C.
V6C 2V6

FILE NO.: 85-81

DATE: July 11, 1985

ATTENTION: C. Spence cc. L. Holmgren

PROJECT: 8607

Sample Description	Au ppb	Ag ppm
D 13210	190	3.1
13211	50	8.3
13212	3700	44
13213	140	1.0
13214	85	3.2
13215	25	4.1
13216	550	2.0
13217	240	1.3
13218	20	.4
13219	75	1.0
13220	40	.2
13221	20	.3
13222	15	.6
13223	15	.3
13224	20	1.5
13225	5	1.7
13226	5	.9
13227	10	.5
13228	10	.6

These results are geochemical determinations:
Au: fire assay, AA.
Ag: aqua regia digestion, AA.

Neil Teuge

CDN RESOURCE LABORATORIES LTD.
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GEOCHEMICAL REPORT

TO: Rio Algom Exploration Inc.
520 - 800 West Pender
Vancouver, B.C.
V6C 2V6

FILE NO.: 85-144

DATE: August 20, 1985

ATTENTION: C. Spence cc. L. Holmgren

PROJECT: 8607

Sample Description	Au ppb	Ag ppm
D13229	40	0.4
13230	40	0.1
13231	80	0.3
13232	110	0.5
13233	30	0.3
13234	65	<0.1
13235	100	0.4
13236	60	0.2
13237	160	0.5
13238	380	4.1
13239	90	0.5
13240	90	0.2
13241	210	2.2
13242	280	4.8
13243	140	1.5
13244	160	3.7
13245	100	2.2
13246	420	19.0
13247	100	2.8
13248	70	0.8
13249	390	4.8
13250	145	1.8
13251	100	1.3
13252	160	2.2
13253	590	5.7
13254	150	2.3
13255	150	2.5
13256	90	1.1
13257	280	2.0
13258	270	2.2
13259	330	2.5
13260	400	2.1
13261	90	1.0
13262	400	4.6
13263	330	2.6
13264	140	1.4
13265	210	2.4
13266	270	2.1
13267	340	6.2
13268	190	2.0

Duncan Sanderson

CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL (604) 946-4448

FILE NO.: 85-144

GEOCHEMICAL REPORT

Sample Description	Au ppb	Ag ppm
D13269	280	2.0
13270	1440	17.3
13271	240	3.9
13272	140	2.5
13273	660	5.3
13274	120	1.7
13275	150	1.9
13276	130	1.8
13277	100	0.6
13278	90	0.9
13279	150	0.9
13280	190	1.2
13281	800	2.1
13282	190	1.0
13283	50	0.5
13284	40	0.4
13285	90	<0.1
13286	10	0.1
13287	<5	0.3
13288	<5	0.3
13289	<5	0.1
13290	<5	0.1
13291	<5	0.1
13292	<5	0.1

Results of file 85-144 are geochemical determinations:
Au: fire assay, AA.
Ag: aqua regia digestion, AA.

Duncan Sanderson

CDN RESOURCE LABORATORIES LTD.
#8, 7550 RIVER ROAD, DELTA, B.C. V4G 1C8 / TEL. (604) 946-4448

ASSAY REPORT

TO: Rio Algom Exploration Inc.
520 - 800 West Pender
Vancouver, B.C.
V6C 2V6

FILE NO.: 85-144A

DATE: August 20, 1985

ATTENTION: C. Spence cc. L. Holmgren

PROJECT: 8607

Sample Description	Au g/tonne
D13270	1.40

Results of file 85-144A are assays:
Au: fire assay, gravimetric finish.

Rejects retained one month, pulps one year, unless specific arrangements made.

Duncan Saunderson
Certified Assayer of British Columbia

APPENDIX F

TRENCH DATA AND DESCRIPTIONS

TRENCH #: 9 DATE: May 31, 1985

Length:	4.0m
Width:	1.5m
Trend:	130°
Location:	2m @ 356° from S end of #9226
Rock Type:	- bladed/vuggy sucrosic white quartz, very massive relict 4-6mm bleached/ tan coloured volcanic fragments noted, chalcedony bands (~2mm) and small fragments also noted.
Mineralization:	- none visible

TRENCH #: 10 DATE: June 1, 1985

Length:	3.0m
Width:	1.2m
Trend:	160°
Location:	7m @ 050° from E end of Trench 9
Fractures at:	170°/85°E
Rock Type:	- silicified/altered quartz eye, porphyry tan colour locally bleached white, crosscut by thin <1mm quartz micro-veinlets, see minor bladed texture locally. - 0.6 to 1.6cm wide quartz/chalcedony bands crosscut bleached sections.
Mineralization:	- none visible.

TRENCH #: 11 DATE: June 2, 1985

Length:	4.5m
Width:	0.7m
Depth:	0.3-0.6m
Trend:	127°
Location:	20m @ 344° to east end of trench from test pit #9228
Fractures at:	148°/77°NW 179°/79°W
Rock Type:	- fine grained pale tan/grey to grey/ green quartz eye porphyry, locally tan altered with bleaching noted. - fragments separated by quartz micro-veinlets and cherty bands. - remnant flow banding textures noted.
Mineralization:	- none visible.

TRENCH #: 12 DATE: June 3, 1985

Length:	1.5m
Width:	1.4m
Depth:	1.5m
Trend:	140°
Location:	4m due N 000° from east end of Trench 9
Fractures at:	193°/90°
Rock Type:	- silicified/altered quartz eye porphyry (rhyolite?) with remnant flow banding textures. - from 1.25-1.50m, quartz with bladed texture intermixed with massive white cryptocrystalline quartz.
Mineralization:	- none visible.

TRENCH #: 13 DATE: June 3, 1985

Length:	3.0m
Width:	1.5m
Depth:	1.6m
Trend:	130°
Location:	12m @ 108° from the east end of Trench 12 to the east end of Trench 13
Rock Type:	- no rock exposed, trench in overburden.

APPENDIX G

CHOPPER PAD ZONE

TEST PIT DATA & DESCRIPTIONS

TEST PITS DATE: July 31, 1985

SAMPLE #	LOCATION	DEPTH	WIDTH	ROCK TYPE
G-1685	0+50E,2+50N	0.5m	0.8m	Subcrop-angular grey/tan/white altered quartz porphyry rhyolite with 2-3% <1-1mm quartz eyes.
G-1686	0+50E,2+60N	0.5m	0.65m	subcrop - as above.
G-1687	0+50E,2+70N	0.15m	0.8m	outcrop-locally tan/white altered minor flow banded quartz porphyry rhyolite, with 1-6mm quartz veinlets and 2cm quartz bands
G-1688	0+45E,2+80N	0.3m	0.5m	outcrop-tan/white locally altered quartz porphyry rhyolite minor small quartz veinlets.
G-1689	0+50E,2+80N	0.35m	0.6m	outcrop - as above.
G-1690	0+50E,2+90N	0.25m	0.5m	outcrop-tan/white clay altered quartz porphyry rhyolite, minor small quartz lined vugs.
NS	0+50E,3+00N	0.5m	0.5m	no outcrop.
G-1691	0+50E,3+10N	0.15m	0.5m	outcrop-fine grained, dark grey lapilli tuff with randomly oriented <1-12mm variable fragments.
G-1692	0+50E,3+20N	0.2m	0.5m	dark grey siliceous micro breccia, cherty matrix with <1-6mm bleached white rock fragments, minor chert fragments, 1mm dark grey quartz eyes (3-4%) (rock composed of 70-80% fragments).
NS	0+50E,3+30N	0.5m	0.5m	no rock
NS	0+50E,3+40N	0.45m	0.55m	no rock
G-1693	0+50E,3+50N	0.3m	0.6m	outcrop(?)-tan/white, locally altered quartz porphyry rhyolite with 1-2mm chert bands, relict flow banding noted, minor 1-2mm quartz veinlets.

TEST PITS CONTINUED DATE: July 31, 1985

SAMPLE #	LOCATION	DEPTH	WIDTH	ROCK TYPE
NS	0+50E,3+60N	0.5m	0.6m	no rock
G-1694	0+50E,3+70N	0.4m	0.6m	outcrop-tan/white altered quartz porphyry rhyolite with 1-2mm dark cherty bands, minor drusy vugs.
G-1695	0+50E,3+80N	0.35m	0.5m	subcrop-pervasively tan bleached quartz eye porphyry rhyolite with 1-2mm parallel quartz veinlets, drusy along fractures/veinlets.
G-1696	0+50E,3+90N	0.4m	0.8m	outcrop(?)-as above, with local silicified patches.
G-1697	0+50E,4+00N	0.4m	0.6m	outcrop-locally silicified, tan/white altered quartz porphyry rhyolite.

APPENDIX H

DRILL LOGS

DDH-1 - 6

Rio Algom Exploration Inc.

LOCATION: 206.2 S, 42.0 W			HOLE NO.: DDH-1-85
AZIMUTH: 295°	DIPS - COLLAR 46°	CONTRACTOR: D.W. Coates Ent.	PROPERTY: WOLF
ELEVATION: 1266.65m	43° - 25 m	LOGGED BY: LDH, RMC	CLAIM NO: 1
LENGTH: 95.1m	44° - 75 m	DATE: June 14-15, 1985	SECTION NO.:
CORE SIZE: NQ	- m		STARTED: June 13, 1985
PURPOSE: To intersect zone beneath Trench 4			COMPLETED: June 15, 1985

Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.
			0	1.52	CASING
			1.52	45.5	Altered Flow Banded Rhyolite (fbr)
					1-2mm bands of white, tan, grey, with
					minor pale maroon bands, containing 2-3%
					1-2mm quartz grains
					Flow banding at 032-036° to C.A.
					May be locally quartz flooded with dark
					grey quartz-rich bands/patches intermixed
					with white quartz patches.
					Pervasive/patchy tan/rusty alteration
					throughout unit, may occur predominantly
					along laminations
					1-2mm qtz veinlets common at 035° and
					145° to CA, may locally have small drusy
					openings.
					Bleaching & limonitic staining occurs along fractures.

ALTERATION & MINERALIZATION													
From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
1.5	3.7	0.65	D13051	tr	4	2	0	No		2.0	.20	

Rio Algom Exploration Inc.

HOLE NO: DDH-1-85
PAGE NO: 2

Depth m	LITHOLOGY Graph Log Lth	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					1.5-4.8m incompetent, broken core	3.7	5.0	1.10	D13052	4	8	1	0			3.5	.10	
					- flow banded rhyolite with 1-2cm quartz stringers, chalcedony patch ~1cm													
					- 3 directions of quartz veinlets													
					- patchy rusty staining predominant													
					5-5m ~1cm quartz vein infilled with bladed texture @ 150° to CA	5.0	6.0	0.99	D13053	3	35	tr	2.5			1.9	.10	
					5.4-6.15m quartz vein swarm with fbr	6.0	8.0	1.46	D13054	2	20	1	tr			1.9	<.05	
					- pervasive tan/rusty alteration													
					- veins @ 155° to CA													
					- quartz veins between 0.1-0.7cm dark grey to transparent/white, contain trace pyrite													
					- quartz veinlets may be drusy/ infilled or drusy, Q.V. contain breccia fragments of altered fbr (0.1cm to 1.2cm)													
					- minor red hematitic staining noted													
					6.17-6.27m) silicified patches, dark grey color													

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HOLE NO: DDH-1-85
PAGE NO: 3

LITHOLOGY					ALTERATION & MINERALIZATION												
Depth m	Graph Log Lth.	Alt	From m	To m	General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					6.30-6.37m within <1mm dark pyritic													
					bearing veinlets.	8.0	10.0	2.0	D13055	1	25	.5	tr			0.6	.05	
					12.34-12.59m silicified grey/dark grey	10.0	12.0	1.8	D13056	1	35	3	1			0.6	.05	
					banding - no rusty alteration,	12.0	14.0	2.0	D13057	4	35	2	3			0.7	.05	
					<1mm dark grey pyritic veinlets @													
					015°-030° to CA and pyritic grey													
					patch 0.5cm													
					12.48-12.55m clay gouge/breccia 060° to CA													
					- rusty altered & bleached rock													
					fragments in mud/clay matrix, minor													
					hematitic staining													
					13.3-13.6m quartz vein swarm, multidirection-													
					al quartz veinlets containing													
					angular 0.2-1.2cm fragments of altered													
					fbr quartz veinlets moderately vuggy,													
					become increasingly vuggy with depth.													
					14.0-14.7m grey/white silicified fbr	14.0	16.0	2.0	D13058 D13059	0	35	1	3			0.4 0.4	.05 .30	
					- 3 directions of thin <1mm cross-													
					cutting grey pyritic veinlets, minor													
					thin <1mm quartz microveinlets.													

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Depth m	LITHOLOGY: Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					0.6cm quartz vein @ 090° to CA													
					16.23-16.59m quartz vein swarm breccia,	16.0	18.0	1.87	D13060	2	15	tr	1			0.3	<.05	
					angular altered fbr in quartz vein-													
					lets, minor hematite staining,													
					1 band 0.8cm mud/breccia/gouge													
					17.84m FAULT GOUGE 095° to CA													
					18.3-18.5m)Grey/tan fbr - no limonitic	18	20	2.0	D13061	0	10	1	2			1.0	.05	
					18.65-18.75)staining. 4cm dark pyritic													
					patches with fine grained (<1mm)													
					cubic pyrite (2-3%) & dark pyritic													
					veinlets.													
					19.85-20.3m quartz vein parallel to CA,	20	22	1.93	D13062	0	8	1	0			0.6	.15	
					0.9cm wide containing brecciated fbr													
					fragments. Quartz is locally vuggy,													
					minor blebs of creamy white clay													
					(kaolinite?) in vugs													
					- rock fragments from 0.1 by 0.4cm													
					to 2.0 by 2.0cm													
					- thin quartz microveinlets,													
					randomly oriented, are offset from main vein													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					21.6-22.1m quartz vein parallel to CA,													
					0.2 to 0.9cm wide, locally vuggy,													
					minor bladed texture noted. Minor													
					creamy white clay blebs within vugs.													
					Q.V. is milky white to opaque													
					cryptocrystalline with thin veinlets													
					randomly oriented, offset from main													
					vein.													
					1.0-2.0cm fbr fragments found within													
					vein.													
					22.8-22.9m Fault Gouge Zone	22	24	1.95	D13063	1	6	6	tr			0.6	<.05	
					24.45-25.0m Fault Gouge Zone	24	26	1.70	D13064	0	6	4	tr			0.9	.05	
					25.4-26.0m Multidirectional quartz veinlets	26	28	1.98	D13065	0	2	3	tr			0.4	.05	
					1mm to 1cm wide, randomly oriented													
					containing angular rock fragments,													
					minor vuggy openings inquartz veinlets,													
					minor hematite staining.													
					25.92m) thin 0.5cm gouge zones with rock													
					25.98m) fragments, 054° to CA													
					26.16m) 035° to CA													

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HOLE NO: DDH-1-85

Depth m	Graph Log Lith	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					ALTERATION & MINERALIZATION													
					26.30m) 036° to CA each approx 1cm wide milky white/clear cryptocrystalline quartz veinlets with bladed texture, vuggy openings between blades, minor rusty alteration and creamy white clay patches (<2mm) within quartz vein vugs.													
					28.55-28.70m Fracture zone with 3-4mm gouge breccia between fractures 016° to CA, 117° to CA, thin <1mm quartz veinlets parallel both fracture directions. Rock fragments are 1mm to 0.8cm.	28	30	1.95	D13066	0	3	3	0			0.1	<.05	
					30.4-30.6m Fault Gouge/Breccia	30	32	1.74	D13067	0	2	2	0	No		1.1	.05	
					31.1-31.7m Broken core, rock fragments and gouge. 31.6-31.7m rock fragments cemented by quartz in rusty altered matrix.													
					32.06m 0.5cm gouge zone, 140° to CA	32.0	34.0	2.00	D13068	tr	2	2	0	No		0.2	<.05	
					32.17m 0.5cm gouge zone, 141° to CA													

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HOLE NO: DDH-1-85
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Depth m	LITHOLOGY: Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					32.07m 0.6cm wide quartz vein, 141° to CA													
					contains minor <1mm rock fragments	34.0	36.0	1.81	D13068	0	1	tr	0			0.5	.15	
					34.95-35.10m Quartz vein swarm/breccia													
					<0.1cm-0.6cm quartz veinlets random-													
					ly oriented, separating 0.2 to 1.1cm													
					rock fragments, minor gouge & breccia													
					along fractures @ 045° to CA													
					36.45m 0.4cm fracture/gouge zone 090° to CA	36.0	38.0	2.20	D13070	0	1	tr	0			0.1	.15	
					36.55m 0.4cm fracture/gouge zone 115° to CA													
					36.77m 0.8cm fracture/gouge/breccia with													
					0.2-0.6cm rock fragments													
					36.9-37.1m fracture/gouge-multiple fractures													
					most fractures @ 125° to CA, rock													
					fragments 0.2 to 1.5cm within gouge.													
					37.07-37.10m 3cm gouge/fracture with breccia													
					fragments (0.2-1.5cm)													
					37.23m gouge/fracture with minor breccia													
					fragments													
					37.8-38.0m fractured/broken core	38.0	40.0	1.93	D13071	1	1	0	0			0.1	<.05	
					40.02m 1.5cm fracture/gouge/breccia 106° to CA.	40.0	42.0	1.90	D13072	0	3	0	0			0.2	<.05	

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Depth m	LITHOLOGY: Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					40.6-40.7m fracture @ 160° to CA 0.8cm													
					wide with gouge/breccia fragments													
					(0.2-0.4cm)													
					41.6-42.3m incompetent, broken core	42.0	44.0	1.60	D13073	0	4	3	0			0.2	.10	
					42.85-43.5m incompetent, broken core with													
					white clay alteration predominant in													
					first 0.4m, last section rusty													
					alteration returns BRECCIA/GOUGE													
					43.6-44.7m increasing kaolinization of fbr	44.0	45.54	1.45	D13074	0	3	3	0			0.2	<.05	
					core noticebaly white, no rusty													
					alteration													
					44.15m quartz vein 0.8cm wide @ 035° to CA.													
					Grey/white quartz with minor vuggy													
					openings, contains minor small													
					(0.2-0.4cm) rock fragments													
					44.25m 1.5cm fracture/gouge with minor													
					breccia fragments.													
			44.85	45.5	Gradational contact, fractured broken core	45.54	46.00	0.46	D13075	0	0	0	0			1.1	.05	
			45.5	52.75	Layered/bedded siltstone/sandstone sedi-	46.0	48.0	1.96	"	0	0	3	tr					
					mentary sequence													

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HOLE NO: DDH-1-85

Depth m	LITHOLOGY: Graph Log Lth.	Alt	From m	To m	General Description % minerals textures, major structures.
			45.5	52.75	continued
					Very fine grained black, soft, moderately
					to poorly indurated siltstone bedded/
					laminated @ 062° to CA. Thin 1mm laminae
					to 1.0cm dark black bands interbedded with
					course grained poorly sorted, poorly
					indurated sandstone which grades to a
					poorly sorted sedimentary breccia/grit
					with 0.1-0.4cm fragments. Sandstone made
					up of 50-60% coarse grains. Graded bedding
					noted with fining upwards of grit/sandstone
					into medium grained sandstone into silt-
					stone.
					- locally fractured with rusty alteration
					along fractures.
					Siltstone sequences between 1-26cm thick
					sandstone/grit sequences between 6-23cm
					thick.Minor thin (0.8cm)bands of pale grey/
					brown mudstone.
					Flame structures seen where sandstone

ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					overlies mudstone, slump structures noted in													
					laminated siltstone.													
					47.67-47.9m Fractures @ 050° to CA													
					Sandstone & siltstone with rusty													
					alteration along fractures. 1-2cm													
					bands/beds crosscut & offset by													
					fractures. Bedding/laminates at													
					130-134° to CA													
					120-122° to CA													
					47.9-48.15m Siltstone breccia - dark black	48.0	50.0	1.76		0	0	tr	tr					
					fine grained siltstone containing													
					angular fragments of siltstone and													
					sandstone (0.1cm to 1.5cm)													
					- minor rusty alteration around													
					fragments.													
					48.15-52.75m BRECCIA/GOUGE. dark black-gre	50.0	52.0	1.30		0	0	tr	0					
					fault gouge zone - some original													
					bedding textures visible, bedding													
					@ 080° to CA													

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Depth m	Graph Log Lith	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
			52.75	64.40	Pale grey/green fine grained soft, poorly indurated mudstone with sandstone & grit sections interbedded													
					52.75-55.7m Poorly sorted, poorly indurated course grained, grit/sandstone, pale green/grey matrix containing 40-50% coarse predominantly quartz grains	52.0	54.0	1.84		0	0	tr	tr					
						54.0	56.0	2.00		0	0	2	tr					
					55.7-58.45m Fault gouge	56.0	58.0	1.43	D13076	0	0	2	tr			0.7	<.05	
					58.45-59.10m Grit/sandstone breccia with 0.2-0.5cm rock fragments in sandy matrix fining upwards. Pale grey green matrix with 50% fine to medium poorly sorted grains & 2-3% 0.1-0.2cm rock fragments	58.0	60.0	1.95		0	0	2	tr					
					59.1-64.4m fine grained, grey/green mudstone grades occasionally to medium grained sandy siltstone. Thin laminations noted between 084° to 105° to CA.	60.0	62.0	1.63		0	0	1	0					
						62.0	64.0	2.20		0	0	0	tr					
					59.2-59.35m SHEAR													

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
			64.4	66.8	Variable green to maroon laminated Sandy siltstone and non-laminated very fine grained grey green sandy siltstone poorly to moderately-well indurated. Silty matrix with 10-20% sandy grains. Chloritic alteration noted - patchy or along laminae. 1mm cubic pyrite disseminated (1-2%) Epidote alteration may be pervasive locally or patchy. Unit contains 1-2% 1-2mm quartz eyes, minor 2-4mm quartz eyes Locally minor 0.1-1.0cm mudstone interlayers between 080° and 088° to CA. 64.4-65.45m intensely chloritized sandy siltstone.	64.0	66.0	1.96		0	0	2	< 1					
			66.8	93.6	Purplish-grey laminated sandy siltstone Fine grained matrix with 50-60% medium sized sandy grains, well sorted with 1-2%, 1-2mm quartz eyes.	66.0	68.0	1.95	D13077	0	0	1	2			0.2	.05	
						68.0	70.0	1.95		0	0	1	2	No				

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Depth m	Graph Log Lti	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Otz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
			66.8	93.6	contd.	70.0	72.0	2.0		0	0	tr	1	No				
					Trace -1% 2-4mm quartz eyes	72.0	74.0	1.90		0	0	tr	2					
					Laminations at between 068° and 088° to CA	74.0	76.0	1.95		0	0	tr	1					
					Minor thin 1-2mm mudstone interlayers.	76.0	78.0	2.00	D13078	0	0	tr	<1			0.4	.10	
					Cloritization noticeable along laminations	78.0	80.0	1.97		0	0	tr	1					
						80.0	82.0	1.82		0	0	tr	1					
					67.1-67.15m Fault Gouge	82.0	84.0	2.00		0	0	tr	2					
					84.7m 1cm fault gouge/rusty alteration	84.0	86.0	2.00		0	0	tr	2					
					84.88m Fault gouge, rusty alteration													
					84.88-84.98m .5cm qtz veinlet parallel													
					to CA.													
					84.98m fault gouge, rusty alteration													
					85.7-87.35m thin 0.2-0.7cm quartz veinlets	86.0	88.0	1.80	D13079	0	0	tr	2			1.8	.20	
					parallel to CA, rusty fractures with	88.0	90.0	2.10		0	0	tr	1					
					minor gouge.													
					Minor silicified patches 1-2cm													
					89.8-90.1m minor silicification with rusty	90.0	92.0	1.93		0	0	tr	2					
					staining along laminae													
					90.85m fracture @ 126° to CA, rusty													
					alteration along fracture													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					91.6-91.75m thin 0.2-0.5cm quartz veinlets													
					@ 025° to CA, rusty alteration along	92.0	94.0	1.87		0	0	tr	2					
					quartz veinlets and fractures.													
			93.6	95.1	FAULT GOUGE/Fractured sediments	94.0	95.1	0.65	D13080	0	0	5	2	No		0.4	.20	
					rusty broken core and gouge with													
					rusty alteration													
			95.1		E.O.H.	95.1	EOH											

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LOCATION: 209.2 S 104.9 W			HOLE NO.: DDH-2-85
AZIMUTH: 115°	DIPS - COLLAR 47°	CONTRACTOR: D. W. Coates	PROPERTY: WOLF
ELEVATION: 1262.50	45° - 25 m	LOGGED BY: LDH	CLAIM NO: 1
LENGTH: 75.3m	45° - 75 m	DATE: June 18, 1985	SECTION NO.:
CORE SIZE: NQ	- m		STARTED: June 18, 1985
PURPOSE: To intersect high grade zone beneath Trench 4			COMPLETED: June 19, 1985

Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.
			0	6.6	CASING
			6.6	21.34	Variably altered and silicified flow
					Banded rhyolite (fbr)
					tan/grey/beige/cream/pale maroon laminae
					with 2-3% 1-2mm quartz eyes
					flow banding at 028° to CA
					Rusty alteration is pervasive, patchy
					along laminae and/or along fractures.
					Flow banding is locally overprinted by
					rusty alteration or silicification
					6.7-6.8 rusty alteration pervasive with
					original textures masked. 10% <1mm
					multidirectional quartz veinlets.
					6.8-6.96 grey to grey/white silicified
					patch with thin < 1mm multi-

ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
6.6	8.0	1.13	D13081	tr	20	1	2	No		3.9	0.20	

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Depth m	LITHOLOGY					ALTERATION & MINERALIZATION												
	Graph Log Lth.	Alt	From m	To m	General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					directional pyritic veinlets													
					Quartz vein at 088° to CA, between													
					0.5 and 2.0cm wide. Drusy selvage													
					infilled with milky white crypto-													
					crystalline quartz.													
					Quartz vein contains angular													
					altered fbr fragments to 1.2cm													
					Quartz is locally vuggy with 1mm													
					quartz crystals.													
					Thin quartz veinlets at 094° to CA													
					7.06-7.41 Rusty/hematitic altered & silici-													
					fied patch with 4 0.2-0.8cm quartz													
					veins at 070° to CA. Numerous													
					thin 1mm quartz veinlets parallel													
					these wider veins. Wider veins													
					are locally vuggy, may contain													
					1-2mm rock fragments. Bladed													
					texture noted in some veinlets.													
					1-2mm clay blebs within quartz													
					veinlets. Trace <1mm disseminated													

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LITHOLOGY					ALTERATION & MINERALIZATION													
Depth m	Graph Log Lth.	Graph Log Alt	From m	To m	General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					cubic pyrite, also thin <1mm dark pyritic veinlets. Dark grey 1.5cm wide chalcedony band at 088° to CA.													
					7.41-7.49 dark grey silicified patch. 1-2% <1mm cubic pyrite in patches and in in stringer veinlets. Fracture in 000° to CA, minor gouge with 1-2mm rock fragments.													
					7.54 1cm wide fracture with large 0.8cm elongate fbr fragments. Clay gouge and hematitic alteration patchy along fractures.													
					7.88 1cm wide quartz/chalcedony vein at 095° to CA, crosscut and offset by later 0.7cm wide quartz fracture/ veinlet @ 033° to CA. Hematitic patches associated with fracture/veinlet. In first vein.													

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					1-2 mm clay blebs (1-2%) occur in vuggy openings. Minor bladed texture noted. Also contains 1-3mm fbr fragments.													
					7.92-7.95 3cm wide quartz vein swarm with 0.1 to 1.0cm angular fbr fragments vein swarm @ 090°.	8.0	10.0	1.55	D13082	1	4	1	tr			2.3	0.30	
					8.20 - 8.30 fractured rock with patch hematitic alteration.													
					9.0 0.5cm q.v. 053° to CA quartz/chalcedony laminations noted, minor vugs with 1% 1-2mm clay blebs.													
					9.0-10.45 moderately fractured fbr with 1-2 mm fractures with gouge/minor rock fragments. Fractures @ 060° Thin quartz microveinlets ∠1-1mm are multidirectional and give fbr a brecciated appearance.	10.0	12.0	1.83	D13083 D13084	1/2	15	1/2	tr			0.8 0.4	0.10 <.05	
					Minor vuggy openings within quartz													

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HOLE NO: DDH-2-85

Depth m	LITHOLOGY: Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					veinlets, minor hematitic patches noted along quartz veinlets, also trace clay blebs.													
					9.44 1.8cm wide quartz vein with thin chalcedonic bands, banded appearance to quartz vein. Minor vuggy openings. Contains minor 1mm fbr fragments.													
					10.08 1cm fracture with gouge/rock fragments 145° to CA.													
					10.54-10.68 10-15% quartz veinlets. < 1-1mm transparent/grey cryptocrystalline quartz veinlets, vuggy drusy openings with minor 1mm clay blebs, at 090° to CA. Crosscut and off set by thin 1mm quartz veinlets at 154° to CA. Quartz veinlets contain brecciated fragments of fbr from 1-2mm up to 1.5cm													

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HOLE NO: DDH-2-85

Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					10.84 2cm grey/silicified patch within altered fbr.													
					10.97 0.5cm chalcedonic quartz vein at 234°													
					10.97-11.13 pervasively silicified fbr													
					11.13 1.0cm quartz vein/chalcedonic quartz at 071° to CA.													
					11.3-11.53 grey/greyish white pervasive silicification within fbr, some original textures remnant thin <1mm pyritic stringer veinlets at 090° to CA, rusty alteration along fractures													
					11.53-11.76 pervasive rusty alteration, minor pervasive silicification.													
					11.76-11.97 grey/greyish white pervasive silicification within fbr, cross-cut by thin <1mm quartz veinlet stockwork, minor 1-2mm clay blebs.													
					12.01-12.03 quartz/chalcedony veinlet with	12.0	14.0	2.01	D13085 D13086	1/2	23	1/2	2			1.3 0.3	0.10 0.05	

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HOLE NO: DDH-2-85
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LITHOLOGY						ALTERATION & MINERALIZATION													
Depth m	Graph Log Lth	Graph Log Alt	From m	To m	General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					thin <1mm bands													
					12.08-12.80 fractured fbr with intense rusty													
					alteration envelopes (0.4-1.0cm)													
					around fractures. Minor rock													
					breccia (0.2-0.4mm fragments) and													
					vuggy openings within fractures.													
					Minor hematitic patches within													
					rusty envelope													
					12.60 fracture at 056° to CA													
					Minor gouge with hematitic and													
					rusty alteration													
					12.80-13.3 pervasively silicified fbr <1mm													
					quartz microveinlets crosscut at													
					055° to CA.													
					Flow banding at 145° to CA													
					0.5cm quartz vein at 135° to CA.													
					13.3-13.75 pervasive grey/grey white sili-													
					cification of fbr, original flow													
					banding preserved.													
					Thin <1mm quartz veinlets crosscut													

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HOLE NO: DDH-2-85

Depth m	LITHOLOGY: Graph Log Lth.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					at 105° to CA, also other randomly													
					oriented crosscutting veinlets													
					Quartz veinlets may be vuggy,													
					drusy/infilled with trace <1mm diss													
					cubic pyrite.													
					13.8-13.9 Pervasive tan/white quartz/chal-													
					cedony through fbr, giving fbr a													
					fragmental appearance.													
					13.95-14.25 well banded fbr with 1-3mm	14.0	16.0	1.92	D13087 D13088	4	4	10	tr			0.7 2.4	2.05 0.40	
					quartz veinlets and larger 1-2cm													
					quartz vein containing 0.1 x 0.6cm													
					fbr fragments. Flow banding at													
					142° to CA. Quartz veins may be													
					drusy. Locally fractured at 080°													
					to CA, with rusty alteration along													
					fractures.													
					14.3-14.8 white clay altered fbr													
					1mm quartz veinlets and a 0.8cm													
					quartz vein at 045° to CA.													
					Quartz vein contains rotated													

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Depth m	LITHOLOGY: Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					angular fbr fragments (0.2-0.5cm)													
					Clay alteration is pervasive,													
					although original textures are													
					preserved.													
					14.9 fracture at 155° to CA													
					rusty alteration along fracture													
					infilled with gouge and <1-5mm													
					rock fragments.													
					14.95-15.2 broken core, with 2cm quartz/													
					chalcedony patches in broken													
					fragments.				D13089							2.1	1.0	
					15.2-16.05 hairline fractures throughout	16.0	18.0	1.65	D13090	5	15	15	tr			1.1	<.05	
					fbr with intense rusty alteration				D13091							0.6	0.15	
					envelopes.													
					thin <1mm-1mm quartz microveinlets													
					crosscut randomly and separate													
					fragments of altered fbr. Some													
					vuggy open spaces.													
					Minor patchy hematitic alteration.													
					15.6 quartz vein 0.5cm wide at 090°,													

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LITHOLOGY					ALTERATION & MINERALIZATION													
Depth m	Graph Log Lth.	Graph Log Alt	From m	To m	General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					banded texture with ∠1-1mm fbr													
					fragments.													
					16.05-16.55 Intense silicification (40%)													
					with quartz/chalcedony patchy													
					throughout locally very vuggy,													
					with many thin quartz microveinlets													
					(multidirectional)													
					patchy hematitic alteration													
					16.65 Minor quartz patches (2x2cm)													
					16.8-16.9 hairline fractured fbr with rusty													
					alteration envelopes around													
					fractures													
					16.9-17.9 broken core, rusty alteration													
					along fractures													
					clay alteration pervasively giving													
					core white color. Small silicified													
					patches 1-2cm													
					18.0-18.6 pervasively silicified fbr with	18.0	20.0	1.81	D13092 D13093	2	4	5	tr			1.8 1.4	0.05 0.05	
					bands (1.5cm) and patches of quartz/													
					chalcedony. Minor fractures with													

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Depth m	LITHOLOGY Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					rusty alteration along fractures													
					thin <1-1mm quartz veinlets between													
					080-100° to CA. May be locally													
					vuggy with intensely rusty alteration													
					and patches of hematitic alteration.													
					Quartz may contain fragments of													
					fbr 1mm to 1x6mm (elongate fragments)													
					18.6-18.8 bleached silicified fbr with flow													
					banding at 085° to CA. Hairline													
					fractures with rusty alteration													
					envelopes, minor vuggy openings.													
					Minor <1-1mm quartz microveinlets													
					19-19.15 bleached/creamy white silicified													
					and clay altered fbr.													
					Thin quartz microveinlets,													
					<1mm-1mm, occasionally vuggy.													
					19.76-20.2 moderately silicified fbr,	20.0	21.34	1.32	D13094 D13095	1/2	3	6	tr			1.1 0.3	<.05 <.05	
					crosscut by thin quartz microvein-													
					lets containing minor fbr fragments.													

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Depth m	Graph Log Lith	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					20.2-20.48 pervasively silicified tan fbr													
					with quartz/chalcedony patches													
					vugs throughout with rusty													
					alteration													
					1mm quartz veinlets													
					20.48-20.70 broken, rusty altered core,													
					with locally silicified patches													
					20.70-21.34 completely pervasive rusty													
					alteration and partial clay													
					alteration masking original													
					textures in fbr.													
			21.34	21.85	Siltstone breccia/course grained sandstone	21.34	22.0	0.66	D13096	0	tr	15	tr			0.4	<.05	
					dark black, fine grained 1-2mm													
					siltstone fragments in fine													
					grained dark grey/brown matrix in													
					contact(approx. parallel to CA)													
					with course grained, poorly sorted													
					sandstone, pale medium grey matrix													
					minor brown sandy siltstone inter-													

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Depth m	Graph Log Lti.	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					beds within sandstone													
					rusty alteration along fractures													
			21.85	26.60	Sandy siltstone, light to medium to dark	22.0	24.0	0.75	D13097	0	0	5	0			1.6	.05	
					grey. Clay altered. Fine to													
					medium grained matrix, locally coarse													
					grains visible in sandy sections													
					clay alteration is locally													
					pervasive													
					core crumbly and broken in spots													
					original layering/banding offset													
					and broken by fracture/gouge.													
					24.5-25.8 conglomerate/pebble interbed	24.0	26.0	1.35	D13098	0	0	10	tr			1.1	0.05	
					rounded siltstone pebbles from													
					0.5-1.5cm													
				↓	23.5-26.6 Breccia/Gouge													
			26.60	35.12	Pale purplish/grey pervasively altered	26.0	28.0	1.80	D13099 D13100	0	1/2	10	tr			0.9 0.4	<.05 0.10	
					sandy siltstone pale fine grained matrix,													
					moderately well indurated with <1mm rounded													
					quartz grains, very well sorted (40-50%)													
					core very friable where locally clay altered.													

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Depth m	Graph Log Lith	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					1-2% 1-2mm quartz fragments													
					1-2% disseminated cubic pyrite (<1mm)													
					thin (<1mm) pyrite veinlets at 090° and													
					000° to CA													
					Minor chloritic(?) alteration along													
					fractures													
					26.6-27.5 1-2mm clay gouge prominent													
					along fractures and pervasive (10%clay)													
					27.6-28.6 rusty alteration pervasive	28.0	30.0	1.73	D13101	0	1	5	2			0.4	<.05	
					throughout sandy siltstone, imparting													
					pale purplish/orange color to core.													
					tr-1% disseminated cubic pyrite.													
					28.8-31.3 where fractured, rusty alteration	30.0	32.0	2.11		0	0	5	2					
					imparted along fractures with minor													
					rusty envelope (0.1-0.5cm) into unit													
					30.37 Fracture at 088°													
					rusty alteration forms envelope to													
					0.8cm													
						32.0	34.0	1.94		0	1/2	2	1					
			35.12	37.65	Gradational contact/gouge zone	34.0	36.0	1.96	D13102	0	1/2	5	1			0.5	<.05	

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Depth m	Graph Log Lith	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					altered/broken sandy siltstone and													
					gouge/clay altered core with mudstone													
					interbeds and sandy interbeds.													
				*	36.5-38.7 BRECCIA/GOUGE	36.0	38.0	1.40		0	tr	15	tr	No				
			37.65	44.0	Pale greyish green GRIT/greywacke coarse	38.0	40.0	1.94		0	0	5	1	No				
					grained, poorly consolidated, poorly	40.0	42.0	1.86	D13103	0	0	5	1			0.7	.05	
					sorted predominantly quartz grains in	42.0	44.0	1.81		0	0	10	tr					
					fine grained clay altered matrix	44.0	46.0	1.89		0	0	10	tr					
					large 2-4mm poorly sorted volcanic													
					rock fragments (vrf) grades to													
					course, moderately well sorted													
					fragments.													
					Fining upwards from grit to greywacke.													
					tr. diss. cubic pyrite (1mm)													
					43.3-51.7 BRECCIA/GOUGE	46.0	48.0	1.68	D13104	0	0	20	tr			0.5	.05	
			44.0	50.77	Medium grey/brown to dark grey	48.0	50.0	2.08		0	0	25	tr					
					gouge/clay altered core with small	50.0	62.0	1.92		0	1	10	0					
					remnant sections of fine grained													
					mudstone beds. Minor sandy interlayers also noted.													

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Depth m	Graph Log Lith	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
			50.77	64.70	Light-medium green clay altered MUDSTONE	52.0	54.0	2.07	D13105	0	0	2	0			0.1	0.10	
					and MUDSTONE BRECCIA													
					Moderately to poorly indurated													
					Locally may contain minor angular rock													
					fragments, grades into mudstone breccia													
					with 20-40% angular rock fragments between													
					0.2-3.0cm (poorly sorted rock fragments)													
					Patchy 1-2mm greenish illite(?) blebs													
					54.22-54.86 mudstone breccia	54.0	56.0	1.97		0	0	3	0					
					56.12-56.22 Mudstone breccia	56.0	58.0	2.00		0	0	15	0					
				*	57.4- 60.5 BRECCIA/GOUGE	58.0	60.0	1.48	D13106	0	0	5	0			0.3	< .05	
					57.4- 57.8 Clay altered gouge with													
					siltstone and mudstone breccia													
					fragments													
					58.2 - 58.7 broken clay altered core													
				*	61.4 - 61.9 Breccia/Gouge	60.0	62.0	1.81		0	0	30	0					
					61.4 - 61.5 Mudstone breccia													
					61.5 - 61.9 extremely clay altered broken													
					core													
					61.9 - 64.6 fine grained groundmass contains	62.0	64.0	2.05		0	0	3	tr					

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Depth m	Graph Log Lti.	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					50-60% rock fragments with 0.1-0.3													
					cm illite(?) fragments.													
			64.6	75.3	VARIABLE SEDIMENTARY BRECCIA	64.0	66.0	1.88	D13107	0	0	5	0			0.5	.05	
					Fine to medium grained pale grey/													
					green groundmass containing assorted													
					variable rock fragments from 0.1cm													
					to 6.0cm. Fragments are subrounded													
					to subangular, randomly oriented -													
					mostly mudstone, siltstone and vol-													
					canic rock fragments													
					Kaolinization occurs along frac-													
					tures, may locally be patchy													
					66.15-66.25 fractured core with pale	66.0	68.0	1.78		0	0	10	tr					
					yellowish clay alteration infilling													
					fractures													
				*	66.0-66.4 Breccia/Gouge													
					66.7-67.9 Mudstone/sandstone interbed with													
					fine grained pale brown mudstone													
					and moderately to poorly sorted													
					coarse grained sandstone/grit with													

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Depth m	LITHOLOGY: Graph Log Lth	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	g/t Au	Vein widths, angles mode of occurrence compositions, etc.
					pale grey brown matrix. Bedding													
					estimated at 000° to CA. Fragments													
					are well rounded, poorly sorted													
					quartz grains and volcanic rock													
					fragments.													
					68.4-68.6 broken core, gouge/clay altered	68.0	70.0	1.75		0	0	5	0					
					68.8-69.3 broken core, gouge/clay altered													
					70.35-70.6 patchy kaolinite(?) between	70.00	72.0	1.93	D13108	0	0	5	tr			0.5	<.05	
					fractures.													
					70.8-70.9 broken core													
					71.7 - 71.9 broken/clay altered core													
						72.0	74.0	1.80		0	0	5	0					
					Kaolinite/sericite(?) present along most	74.0	75.3	1.41		0	0	3	0	No				
					fractures imparting a sheer sheen													
					to them.													
			75.3		E.O.H.													

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LOCATION: 255.85 S 6.52 W			HOLE NO.: DDH-3-85
AZIMUTH: 295°	DIPS - COLLAR 48°	CONTRACTOR: D.W.Coates	PROPERTY: WOLF
ELEVATION: 1277.73m	45° - 26.6 m	LOGGED BY: LDH	CLAIM NO: 1
LENGTH: 121.9m	45° - 68.6 m	DATE: June 21-23, 1985	SECTION NO.: June 20, 1985
CORE SIZE: N.Q.	47° - 109.7 m		STARTED: June 22, 1985
PURPOSE:			COMPLETED:

Depth m	LITHOLOGY: Graph Log Lth	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
			0	0.6	CASING													
			0.6	61.5	Flow Banded Rhyolite (fbr)													
					dark grey/mauve/medium grey/tan bands													
					2-3% 1-2mm subangular quartz fragments and													
					1% 1-2mm feldspar fragments													
					Flow banding well developed at 155° to CA													
					Core here is noticeably less rusty altered,													
					appears more silicified than in DDH-1 or													
					DDH-2													
					Limonite occurs locally along fractures,													
					is patchy &/or it occurs along laminations.													
					0.6-1.25 1mm quartz veinlets crosscut fbr	0.6	2.0	0.82	D13109	8	15	0	tr			0.3	5	
					at 132° to CA and 035° to CA													
					minor thin fractures with rusty													
					alteration. minor vuggy openings													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					within quartz veinlets.													
					1.30-1.78 1-2mm quartz veinlets, vuggy													
					openings with rusty alteration, rusty													
					alteration patchy in fbr													
					1-2cm quartz/chalcedony patch with vugs.													
					1.78-2.00 quartz/chalcedony patchy &/or	2.0	4.0	1.35	D13110	3	15	0	tr	No		0.5	40	
					pervasive throughout fbr containing													
					0.2-0.8cm dark chalcedony fragments.													
					rusty alteration along fractures &													
					patchy within fbr, minor hematitic													
					blebs.													
					Flow banding textures masked.													
					2.35-2.9 quartz/chalcedony patchy &/or													
					pervasive locally masking flow banding													
					minor vuggy openings, rusty alteration													
					along fractures													
					2.90 1.2cm quartz/chalcedony vein banded													
					along margin, with minor bladed													
					texture, small vuggy openings with													
					rusty alteration, minor <1mm clay													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd.													
					blebs and 1mm rock fragments at													
					053° to CA.													
					3.05-3.72 quartz/chalcedony imparts yellow-													
					ish creamy/tan color to fbr. locally													
					overprinting textures.													
					3.76-4.70 fbr with thin 1-2mm, up to 4mm	4.0	6.0	1.63	D13111	5	10	tr	tr	No		.5	85	
					quartz veinlets, fractures with rusty													
					alteration locally patches of quartz/													
					chalcedony with vuggy openings. Quartz													
					patches contain angular dark fbr													
					fragments 0.4-0.6cm													
					4.35 1.5-2.0cm quartz/chalcedony													
					veins at 030° to CA, with banding													
					along margins, minor vuggy openings.													
					4.05-4.6 1.0 to 3.0cm wide, pale													
					grey/tan vuggy chalcedony band													
					000° to CA.													
					4.70-4.90 quartz/chalcedony veinlet swarm													
					crosscuts fbr, contains 1mm to 1cm													

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Depth m	Graph Log Lth	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd. angular fbr fragments. Rusty alteration occurs locally between fragments, vuggy openings are lined with rusty alteration..													
					5.1-5.25 clay alteration along flow banding, imparting a chalky white appearance along bands													
					5.35-5.42 dark grey silicified patch in fbr.													
					5.57-5.81 fbr crosscut by 1-2mm quartz veinlets and twin fractures, randomly oriented, infilled with clay & lined with rusty alteration. minor small quartz/chalcedony patches with vuggy openings.													
					6.03 thin 1-2mm quartz veinlets at 035° to CA. 0.4cm quartz veinlet, minor small vugs lined with rusty alteration.	6.0	8.0	1.83	D13112	4	5	tr	tr	No		0.3	35	
					6.16 1.0 to 1.5cm wide quartz/chalcedony vein layered at margin, vuggy openings													

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Depth m	LITHOLOGY: Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					infilled with minor clay blebs.													
					6.4-6.56 minor dark grey elongate silicified													
					patch within fbr with minor vugs.													
					6.56-7.06 dark grey, pervasively silicified													
					fbr. minor thin fractures with rusty													
					alteration 1-2mm quartz veinlets													
					6.84 3.0cm wide quartz vein at 062° to CA													
					white/cream quartz containing 1-2mm													
					altered fbr fragments, rusty alteration													
					patchy throughout vein.													
					< 1mm dark pyritic veinlets randomly													
					crosscut.													
					7.26-7.51 very patchy pervasive rusty													
					alteration,core locally vuggy, small													
					1cm quartz/chalcedony patches.													
					quartz vein at 010° to CA, 0.6cm wide													
					banded margins, milky white quartz													
					minor < 1mm quartz veinlets cross-													
					cutting													
					7.42-7.64 dark grey silicified fbr													

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Depth m	LITHOLOGY Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					7.64-9.25 pervasive tan/rusty alteration													
					throughout fbr, noticeably less dark													
					1-2mm quartz/chalcedony veinlets													
					randomly oriented.													
					8.85-9.25 core fractured 000° to CA	8.0	10.0	1.72	D13113	6	4	3	tr	No		1.2	30	
					0.4-1.0cm gouge zone with broken fbr													
					fragments, intensely kaolinized from													
					9.10 to 9.20 with whitish/pink clay													
					alteration.													
					9.40-10.05 thin 0.1-1.5cm quartz/chalcedony	10.0	12.0	1.89	D13114	5	3	tr	tr	No		0.5	50	
					veinlets crosscut fbr, and contain													
					angular 1-2mm fbr fragments.													
					veins at 020° and 140° to CA													
					also thin 1mm veinlets @ 088° to CA													
					quartz is locally vuggy with rusty													
					alteration along veinlets.													
					10.58-10.98 fbr crosscut & slightly													
					offset by 0.3-0.7cm quartz/chalcedony													
					veins at 000° to CA, locally convoluted													
					vuggy openings.													

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					ALTERATION & MINERALIZATION													
					contd. quartz veins contain angular fbr frag-													
					ments to 0.9cm													
					10.98-11.28 patchy rusty alteration													
					12.20 1cm quartz/chalcedony vein, drusy	12.0	14.0	1.86		3	3	tr	1/2					
					at margin, opaline & cryptocrystalline													
					quartz make up vein 030° to CA													
					12.6-13.0 pervasive rusty alteration													
					13.0 0.5cm quartz vein at 040° to CA													
					cryptocrystalline quartz with minor													
					vugs.													
					13.3-14.3 fbr crosscut by 1-2mm multi-	14.0	16.0	1.79		3	7	1/2	tr	No				
					directional dark grey quartz veinlets													
					with minor disseminated <1mm cubic													
					pyrite.													
					minor vuggy fractures with limonite.													
					14.3-14.6 patchy silicification & minor													
					brecciation and creamy clay alteration													
					of fbr.minor disseminated < 1mm cubic													
					pyrite within quartz between fragments													
					15.7 fracture with creamy white/yellow													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd. clay gouge along 1.0cm wide quartz vein at 150° to CA. Minor bladed texture noted within quartz.													
					15.75-16.1 quartz/chalcedony pervasive/ patchy throughout fbr	15.75	16.5		D13115							0.7	80	
						16.0	18.0	1.52		1	2	2	0	No				
					<1mm-4mm quartz veinlets occur at 080° to CA.													
					16.25-16.5 pervasive silicification of fbr <1mm randomly oriented quartz veinlets and dark grey pyritic veinlets.													
					16.5 0.8cm quartz vein containing angular fbr fragments to 2mm at 045° to CA.													
					18.6-19.5 patchy white to tan alteration of fbr.	18.0	20.0	1.49		1/2	1	0	tr	No				
					19.75-20.1 patchy quartz/chalcedony within fbr, locally obscuring flow banding, with minor <1mm randomly oriented quartz veinlets that contain 1mm fbr fragments.	20.0	22.0	1.64	D13116	3	4	1	tr	No		0.5	60	
					21.2-21.5 quartz/chalcedony patch and													

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Depth m	LITHOLOGY Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd. veinlets containing 1-2mm fbr fragments, and thin <1mm randomly oriented quartz veinlets. vuggy openings with minor clay blebs noted.													
					23.4-23.6 elongate thin 1-2mm fractures & quartz veinlets at 005° to CA. cross-cutting veinlets at 075° to CA.	22.0	24.0	1.79		1/2	2	tr	0	No				
					24.15 1cm fracture at 080° to CA infilled with gouge and 2-4mm fbr fragments.	24.0	26.0	1.76		1	5	3	1	No				
					24.75-25.0 patchy silicification with 1 0.6cm quartz vein at 045° to CA, quartz vein banded along margin	26.0	28.0	1.93		1/2	15	tr	2	No				
					26.3-26.8 moderately pervasive silicification in fbr 1-2mm randomly oriented dark grey pyritic quartz veinlets contain minor 1-2mm fbr fragments minor thin hematitic veinlets	26.3	26.8		D13117							0.6	50	
					28.05-28.5 fbr crosscut by thin (≤1mm) dark grey pyritic quartz veinlets with	28.0	30.0	1.92		6	3	tr	tr	No				
						28.0	29.5		D13118							0.5	25	

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag.		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					28.7-29.2 fbr crosscut by thin dark pyritic													
					veinlets													
					29.5-29.56 6cm wide quartz/chalcedony band													
					convoluted layering noted with vuggy													
					openings, pervasive rusty alteration,													
					locally may contain minor fbr fragments.													
					at 065° to CA.													
					29.56-61.5 fbr now pervasively tan/rusty													
					altered dark grey/medium grey													
					banding is no longer predominant.													
					Banding now comprises pale grey/brown/													
					tan/white bands.													
						30.0	32.0	1.88		2	3	tr	0	No				
					30.7-30.88 multidirectional quartz veinlets													
					<1-3mm with minor vugs.													
					31.31 0.8cm wide quartz vein at 125° to CA													
					with banded margins, minor vugs and													
					bladed texture noted.													
					31.55-31.75) quartz/chalcedony veinlets													

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Depth m	LITHOLOGY Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd. 1mm-5mm													
					31.9-32.05) crosscut altered fbr	32.0	34.0	1.92	D13119	2	1	1	0	No		1.6	65	
					core fractured & vuggy, with clay													
					gouge along fractures, patchy hematitic													
					alteration noted.quartz vein contains													
					fbr fragments to 0.5cm													
					32.8 0.3cm quartz veinlet at 035° to CA,													
					minor quartz patch.													
					33.25 0.6cm broken quartz vein, infilled													
					with clay/gouge 035° to CA.													
					33.70 fracture at 055° to CA, gouge filled													
					2.3mm quartz veinlets at 090° to CA.													
					minor quartz/chalcedony patch, minor													
					patchy hematitic alteration.													
					34.1-34.5 pervasive/patchy & veinlets of	34.0	36.0	1.73		3	4	1	tr	No				
					quartz/chalcedony in fbr. locally													
					breccia veinlet with 1-4mm fbr													
					fragments in rusty altered matrix.													
					34.75-34.90 fractured/broken core with													
					limonite gouge. Chalcedonic bands													

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Depth m	Graph Log Lth	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					within fbr, vuggy openings within													
					fractures.													
					35.63-36.00 pervasive quartz/chalcedony &	35.63	36.0		D13120							1.2	40	
					quartz veinlets in fbr, very brecciated													
					with many randomly oriented quartz													
					veinlets separating fragments.													
					vuggy with limonite alteration, and													
					minor clay blebs.													
					36.0-37.55 broken fractured fbr with	36.0	38.0	1.97		5	3	2	tr	No				
					fractures $\sim 000^{o}$ locally	36.0	37.55		D13121							1.0	80	
					thin quartz microveinlets throughout													
					quartz/chalcedony veinlets to 0.3cm	38.0	40.0	1.92		5	4	2	0	No				
					containing minor fbr fragments													
					40.9-41.2 fractured core, with pervasive	40.0	42.0	1.65		18	3	4	tr	No				
					limonite alteration													
					chalcedony/quartz patches along	40.0	41.0		D13122							1.1	75	
					fractures, separated by gouge. Minor													
					clay blebs.	41.0	41.5		D13123							2.1	100	
					41.2-41.5 extremely vuggy, honeycomb quartz													
					chalcedony, banded at margins,													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					infilled with very vuggy quartz,													
					contains 1-4mm altered fbr fragments													
					and clay blebs within vugs.													
					41.5-41.95 Fault Gouge/bleached clay													
					altered fbr, minor limonite.													
					42.35-42.8 fractured core with rusty	42.0	44.0	1.89	D13124	2		2	0	No		1.1	20	
					envelopes around fractures													
					44.0 0.6cm wide quartz vein at 155° to CA	44.0	46.0	1.85		1/2	6	tr	0	No				
					(<1mm) thin pyritic margin, vuggy with													
					rusty alteration.													
					45.75-45.9 very vuggy core, long 0.2cm wide													
					quartz vein at 000° to CA.													
					clay and limonite alteration within													
					vugs.													
					46.65 1-3mm quartz veinlets crosscut fbr	46.0	48.0	1.80	D13125	1/2	1/2	tr	tr	No		0.7	60	
					at 005-030° to CA													
					46.8 fracture at 040° to CA, minor rusty													
					gouge.													
					47.05-47.8 tiger striped core													
					tan/rusty/white-cream core													

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Depth m	Graph Log Lth.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					48.1 0.3-0.5cm quartz chalcedony vein	48.0	50.0	1.84		2	3	0	tr	No				
					fractured open, minor vugs	48.0	49.8		D13126							1.6	95	
					48.70-49.3 locally tan altered fbr crosscut													
					by multidireciton 1-2mm quartz vein-													
					lets, containing 1mm altered fbr													
					fragments, vuggy openings with rusty													
					alteration.													
					49.5-49.8 0.4cm quartz vein at 000° to CA													
					broken with rusty alteration along													
					fracture, minor 1mm clay blebs within													
					vugs.													
					49.8-50.3 tiger striped core, bleached white/	49.8	51.0		D13127							0.3	30	
					rusty/tan laminae	50.0	52.0	1.83		0	1/2	2	tr	No				
					50.3-51.1 bleached white, with rusty patches	51.0	52.0		D13128							0.9	25	
					altered fbr, with flow banding													
					obscured. crosscut by randomly													
					oriented < 1mm quartz veinlets.													
					51.7 fracture @ 085° to CA, with thin clay													
					gouge.													
					51.9-52.9 pervasive grey/white altered fbr	52.0	54.0	1.97	D13129	0	1/2	1	0	No		0.4	20	

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Depth m	LITHOLOGY Graph Log Lth.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					flow banding obscured													
					crosscut by < 1mm quartz veinlets													
					53.4 fracture at 125° to CA, pervasive rusty													
					clay envelope 0.8cm													
					53.5-53.7 pervasively grey/white altered													
					fbr, obscuring flow banding.													
					53.95-58.55 pervasive grey white clay &													
					patchy limonite alteration of fbr, with													
					only locally remnant flow banding.													
					54.0 patchy white clay alteration 1 x 2cm	54.0	56.0	1.94	D13130	0	2	2	0	No		0.2	20	
					55.1 0.1-0.3cm quartz veinlet at 010° toCA													
					vuggy openings with clay blebs and													
					rusty alteration.													
					55.85-56.0 fractured/broken core with	56.0	58.0	1.89		2	4	2	tr	No				
					rusty gouge, minor 1mm quartz vein-	56.0	57.0		D13131							0.3	25	
					lets													
					57.0-57.7 moderately fractured & altered	57.0	57.7		D13132							0.3	35	
					fbr, angular fbr fragments separated													
					by rusty gouge.													
					1-3mm clay blebs along fractures													

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Depth m	Graph Log Lith	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					minor 1mm quartz veinlets.													
					57-7-59.1 intensely fractured & broken	58.0	60.0	1.97		6	4	5	tr	No				
					altered fbr													
					fragments separated by 1-2mm gouge	57.7	59.1		D13133							0.2	50	
					with patchy 1-2mm clay blebs & 1-2mm													
					rock fragments. large fragments 1.0-													
					3.5cm are angular & slightly rotated.													
					fracturing/brecciation crosscuts													
					earlier 1-2mm quartz veinlets, frag-													
					ments cemented by quartz.													
					59.1-59.3 altered fbr with pervasive quartz	59.1	59.6		D13134							0.2	40	
					chalcedony locally fractured with													
					vugs infilled by minor rusty gouge.													
					59.3-59.6 tan altered fbr with patchy													
					quartz/chalcedony, locally fractured													
					and brecciated													
					59.6-59.85 fbr with well preserved flow	59.6	60.9		D13135							0.4	40	
					banding													
					extremely clay altered - kaoloinization													
					pervasive, minor rusty alteration in gouge.													

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Depth m	Graph Log Lth.	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					59.94-60.1 fractured/brecciated fbr, silicified between fragments w/minor rusty alteration.	60.0	61.5	1.43		4	2	3	tr	No				
					60.1-60.3 clay altered fbr with well preserved flow banding - kaolinization pervasive.													
					60.3-60.8 brecciated/fractured altered fbr with rusty alteration and silicification between fragments. Minor clay gouge.													
					60.8-61.5 pervasive rusty alteration fbr crosscut by quartz veinlets (<1mm) core fractured/brecciated locally.	60.9	61.5		D13136							0.3	60	
			61.5	62.3	Gradational contact rusty alteration pervasive	61.5	62.3	0.75		0	0	4	tr	No				
			62.3	67.3	Dark black, fine grained SILTSTONE with gouge zones, brecciated sections mudstone, sandy mudstone & grit interbeds, locally fractured with gouge infilling (1-2mm) bedding at approx.	62.3	64.0	1.73		0	0	5	tr	No				

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Depth m	LITHOLOGY Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					050° to CA and 065° to CA.													
					62.5-63.2 brecciated siltstone with 0.6-													
					1.8cm, bedded siltstone fragments in													
					a fine grained dark grey silty matrix													
					63.9-64.0 pale grey/brown sandy interbed	64.0	66.0	1.94	D13137	0	0	6	tr	No		1.2	5	
					very course fragments													
					66.6-67.3 pale grey gouge/breccia with 0.1	66.0	68.0	2.04		0	1/2	10	1	No				
					-3.0cm siltstone & sandy siltstone													
					fragments in fine grained pale grey													
					clay matrix													
					dark pyritic patches within matrix.													
			67.3	67.65	Gradational Contact/BRECCIA ZONE													
					angular sandstone, mudstone, clay													
					altered (greenish) fragments in clay-													
					rich matrix.													
					angular fragments from 0.5-5.0cm													
			67.65	121.90	Purplish/grey sandy siltstone with 1-2%													
					1-2mm quartz fragments,, 40-50%													
					<1mm rounded quartz grains.													

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Depth m	Graph Log Ltl.	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd. trace-2% <1mm cubic pyrite disseminated in fine grained pale matrix. Rusty alteration is locally patchy, pervasive or along fractures. Clay alteration (1-2mm) is common along fractures. Locally can see what may be banding(?) bedding(?) or convoluted alteration pattern.													
					67.65-68.9 thin, multidirectional <1-1m quartz veinlets, dark grey where pyritic locally fractured, with clay infilling minor vuggy openings in quartz.	68.0	70.0	1.70		0	3	2	2	No				
					68.9-69.3 30% quartz separating sandy siltstone fragments, fragments angular, randomly oriented. 0.1-4.0cm fragments													
					69.3-73.5 randomly oriented <1mm dark grey pyritic quartz veinlets, with minor	70.0	72.0	2.08	D13138	0	2	2	1	No		0.6	30	

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					hematite veinlets crosscut & offset	72.0	74.0	1.99		0	1	2	2	No				
					by fractures infilled with 1-2cm clay													
					gouge, locally some rusty alteration													
					with gouge.													
					74.0-76.2 locally silicified, locally	74.0	76.0	1.84		0	3	2	1/2	No				
					brecciated, rusty alteration													
					pervasive													
					core locally vuggy													
					randomly oriented <1-1mm pyrite quartz	76.0	78.0	2.06	D13139	0	4	3	2	No		0.5	20	
					veinlets noted													
					76.65-78.5 locally silicified with patches													
					and bands of quartz/chalcedony. bands	78.0	80.	1.86		2	1	3	1	No				
					1-2cm wide at 130° to CA, core	78.0	78.5		D13140							0.8	160	
					locally vuggy													
					79.4 1cm fracture infilled with clay gouge													
					at 110° to CA.													
					79.9-80.1 patchy silicification	80.0	82.0	2.02		0	2	2	1/2	No				
					80.4-86.4 pervasive rusty alteration	82.0	84.0	1.90	D13141	0	1	5	tr	No		0.7	30	
					locally very clay altered, core	84.0	86.0	1.94		0	4	2	1	No				
					broken, locally silicified patches	86.0	88.0	2.09		0	2	2	2	No				

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HOLE NO: DDH-3-85

Depth m	LITHOLOGY Graph Log Lith	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					fractures infilled with 0.1-0.5cm													
					altered gouge.													
					87.2-88.3 fractures at 060° to CA	88.0	90.0	1.88	D13142	0	1/2	1	3	No		0.7	40	
					infilled with 1-2mm white clay gouge.													
					90.05-91.15 thin < 1mm multidirectional grey	90.0	92.0	2.02		0	1/2	1	3	No				
					pyritic quartz veinlets.													
						92.0	94.0	1.83		0	1/2	1	1	No				
					93.4-121.9 Clay gouge becomes yellowish/	94.0	96.0	2.00	D13143	0	tr	1/2	2	No		0.6	60	
					green instead of white	96.0	98.0	2.09		0	1/2	1/2	2	No				
					97.0-97.9 < 1mm dark pyritic veinlets	98.0	100.0	1.89		0	1	2	3	No				
					1-2mm quartz veinlet at 140° to CA.													
					100.5-101.3 broken core, with yellowish	100.0	102.0	2.04	D13144	0	1	5	3	No		0.5	95	
					green clay alteration between fragments.													
					101.7-103.8 core locally fractured & broken	102.0	104.0	1.98		0	1/2	3	2	No				
					with yellowish grey alteration along													
					fractures.													
					104.4-104.8 fractures at 140° to CA.	104.0	106.0	1.89		tr	2	2	2	No				
					Infilled with yellowish clay													
					alteration.													

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HOLE NO: DDH-3-85
PAGE NO: 22

Depth m	LITHOLOGY Graph Log Lth.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					105.3-105.6 <1-2mm quartz/chalcedony veinlet convoluted & patchy locally, at 000° to CA, medium to dark grey quartz with <1-1mm pyrite cubes & blebs.													
					106.2-106.5 0.2-0.4cm quartz veinlets at 000° to CA with 1-1mm cubic pyrite disseminated. Small stringers form from main veinlet locally sandy silstone is altered a greenish color along veinlet.	106.0	108.0	2.03	D13145	0	2	1	2	No		7.4	300	
					107.4-107.6 slight pervasive greenish tinge core - clay alteration	108.0	110.0	1.91		0	tr	1/2	2	No				
						110.0	112.0	1.92		0	tr	1	2	No				
					112.6-112.65 5cm greenish/yellow clay alteration. 113.6 0.2cm quartz veinlet fractured open with yellow clay gouge at 170° to CA.	112.0	114.0	1.99	D13146	0	1	4	3	No		1.0	55	
					114.0 elongate 0.1-0.2cm dark grey quartz veinlet at 170° to CA. minor <1mm pyrite cubes.	114.0	116.0	1.94		0	1	1/2	2	No				

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					115.8-116.2 thin <1mm pyritic quartz veinlets at 140° to CA.	116.0	118.0	1.70		0	tr	2	1	No				
					0.8cm quartz vein at 000° to 010° to CA. < 1mm disseminated cubic pyrite.													
					116.6-117.8 altered sandy siltstone with fractures infilled with 1-2mm yellowish clay													
					locally core is very broken & gougey													
					117.8-119.7 purplish/green mottled core 1-2mm yellowish/tan fragments surrounded by a thin purplish &/or greenish capillary-like network.	118.0	120.0	1.88	D13147	0	0	3	1	No		0.4	40	
					fine grained matrix patchy green clay (illite?) and white clay alteration.	120.0	121.9	1.05		0	tr	1/2	1	No				
			121.9		E.O.H. Casing pulled.													

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LOCATION: 5+00S, 1+15E			HOLE NO.: DDH-4-85
AZIMUTH: 115°	DIPS - COLLAR 50°	CONTRACTOR: D.W. Coates	PROPERTY: WOLF
ELEVATION: 1268m	48° - 45.2 m	LOGGED BY: LDH	CLAIM NO: 1
LENGTH: 105.8m	49° - 96.6 m	DATE: June 25-27,1985	SECTION NO.:
CORE SIZE: NQ	- m		STARTED: June 25, 1985
PURPOSE: Explore zone at depth beneath POND RIDGE			COMPLETED: June 26, 1985

LITHOLOGY

Depth m	Graph Log Lth	Graph Log Alt	From m	To m	General Description % minerals textures, major structures.
			0	3.6	Casing
			3.6	88.43	Altered Feldspar Quartz Porphyry. (fqp)
					8-10% 2-6mm tabular feldspar phenocrysts
					1-2% 1-3mm glassy quartz eyes in a fine
					grained greenish tan groundmass.
					Feldspars may be up to 1.2cm, locally
					appear zoned in hand specimen.
					Locally see minor <1mm randomly oriented
					quartz veinlets.
					Feldspars are locally altered to clay
					(white or green).
					Feldspar crystals may be limonitic or
					surrounded by limonite rims
					Limonite is locally patchy, along fractures,
					and/or pervasive into fqp.
					Groundmass is moderately clay altered.

ALTERATION & MINERALIZATION

From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.

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HOLE NO: DDH-4-85

PAGE NO: 2

Depth m	Graph Log Lith	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					3.6-4.5m broken, rusty clay altered cove.	3.6	6.0	2.14	D13148	0	3	5	0	NO		1.1	20	
					Pieces crosscut locally by thin													
					<1mm randomly oriented quartz													
					veinlets.													
					4.5m fracture, 1cm brownish gouge,													
					at 050° to CA. 1mm quartz at													
					margin.													
					4.6m 0.3cm quartz vein, pale grey to white,													
					at 140° to CA.													
					4.7-4.9m core fractured at 000° to CA,													
					with pervasive 0.6cm rusty													
					envelope crosscut by 0.1mm-1.0cm													
					quartz veinlets at 040° and													
					110° to CA.													
					veins grey to white crypto-													
					crystalline quartz with minor													
					vugs, minor bladed texture.													
					- may locally contain <1mm-2mm													
					altered fqp fragments. <1mm quartz													
					veinlets randomly oriented with													

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HOLE NO: DDH-4-85
PAGE NO: 3

Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Otz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					respect to veins.													
					5.0-5.2m fractured/broken core with rusty													
					gouge. Contains 1-5mm fqp fragments.													
					5.2-5.3m core crosscut by minor 1mm randomly													
					oriented quartz veinlets.													
					5.9m 0.4cm quartz vein at 065° to CA.													
					6.3-6.55m core crosscut at 000° to CA by	6.0	8.0	1.99	D13149	1/2	2	1	0			1.4	70	
					6.71-6.85m 1-2mm quartz veinlet with 1.3mm													
					rusty envelope, minor vuggy openings.													
					6.5m 3cm vug lined with drusy quartz													
					6.55m 1cm quartz vein, broken and infilled													
					with rusty gouge, at 135° to CA;													
					banded near margins, slightly													
					convoluted within													
					6.95m 0.6cm wide quartz vein at 065° to CA													
					pale grey/white, slighly banded													
					7.25m fractured at 120° to CA, filled													
					with rusty gouge and 0.2-0.8cm													
					fqp fragments.													
					7.7m quartz/fracture 3cm wide - quartz vein													

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HOLE NO: DDH-4-85

Depth m	LITHOLOGY: Graph Log Lth	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					broken open, infilled with rusty													
					gouge and quartz fragments to													
					2mm by 1cm.													
					7.75-8.1m crosscut by < 1-2mm quartz veins													
					at 080° and 000°.													
					7.9m 2cm quartz/chalcedony band at 060° to													
					CA	8.0	10	1.84		2	3	1	tr.					
					8.50m) fractures with rusty gouge at													
					8.60m) 060° to CA	8.0	9.2		D13150							2.1	35	
					8.65m 2 0.4cm quartz veins at 060° to CA													
					banded near margins, minor vuggy													
					openings													
					8.8m fracture at 020° to CA, infilled													
					by 0.6cm rusty gouge	9.2	10.8		D13151							1.5	45	
					9.2-10.8m tan clay altered fqp crosscut													
					by < 1-2mm	10.0	12.0	1.71		2	5	2	tr					
					quartz veinlets at 090° to CA	10.8	12.0		D13152							2.4	30	
					quartz/chalcedony bands from													
					0.6cm - 10.0cm wide. Quartz/													
					chalcedony banded at margins,													

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HOLE NO: DDH-4-85

LITHOLOGY					ALTERATION & MINERALIZATION													
Depth m	Graph Log Lth.	Alt	From m	To m	General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					locally convoluted. Vuggy, may													
					contain 1-2mm angular altered													
					fqp fragments, bladed texture													
					noted in quartz/chalcedony.													
					(white-tan-gray). Bands all													
					between 080° and 100° to CA													
					stringer veinlets randomly oriented													
					from bands.													
					10.9-11.6m broken, incompetent core.													
					Fault?													
					11.6-11.8m 0.5 and 1.0cm quartz/chalcedony													
					bands with banding at margins,													
					minor vugs													
					thin (<1mm) multidirectional													
					quartz veinlets													
					12.1-15.55m fqp locally tan/clay rusty	12.0	14.0	2.04	D13153	tr	2	1	tr			0.3	15	
					altered with multidirectional													
					quartz veinlets (<1mm) throughout,													
					although predominantly at 080-100°													
					to CA. Core locally vuggy; and													

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					silicified patches to 1cm are													
					noted.													
					12.4m fracture at 100° to CA													
					12.75m 0.8cm quartz vein at 060° to CA													
					vuggy openings with minor clay													
					blebs.													
					Minor <1-1mm fqp fragments.													
					13.7m) gouge filled fractures at 055° to													
					13.8m) CA	14.0	16.0	1.94		0	1	2	0					
					15.0-15.07m 7cm wide quartz/chalcedony band	14.0	15.5		D13154							2.7	70	
					locally vuggy with minor bladed													
					texture noted. trace clay blebs.													
					Quartz banded along margin,													
					contains 1-2mm fqp fragments.													
					15.17m 1cm fault gouge with 0.7cm quartz/													
					chalcedony vein at 130° to CA,													
					banded along margins with minor													
					vugs and fqp fragments													
					15.4m 0.6cm quartz vein at 110° to CA with													
					quartz stringers randomly oriented	15.5	16.15		D13155							0.4	20	

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Depth m	Graph Log Lth.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					15.55-16.15m fqp altered with pervasive	16.0	18.0	1.86		tr	3	2	1/2					
					greenish tinge, crosscut by many	16.15	18.0		D13156							0.6	50	
					<1mm dark grey, multidirectional													
					pyritic quartz veinlets													
					minor <1mm white quartz veinlets													
					16.05m 1cm quartz vein, banded at margins,													
					vuggy													
					16.1m 0.4cm dark grey pyritic veinlets at													
					095° to CA													
					16.1-17.6m altered fqp, with rusty													
					alteration along and enveloping													
					fractures													
					<1-1mm quartz veinlets at 080°													
					to CA. Patchy silicification													
					16.7m 1-2cm quartz vein at 040° to CA													
					locally vuggy, contains minor 1mm													
					fqp fragments													
					17.0-17.1m fractures at 055° to CA, 1-2mm													
					gouge infilling.													
					17.6-18.0m broken, incompetent core. Fault?	18.0	20.0	1.92	D13157	1/2	3	1	1/2			0.8	20	

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Depth m	Graph Log Lth.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					18.0-18.05m 5cm quartz band at 060° to CA													
					minor bladed texture noted,													
					locally small vugs.													
					18.3m 1 by 2cm silicified patch, minor vugs													
					19.85m 0.8cm quartz vein, banded, with vugs													
					in centre of vein at 055° to CA													
					20.1m quartz vein broken open, gouge	20.0	22.0	2.03	D13158	1	4	2	0			0.7	60	
					infilled, at 035° to CA													
					20.3m 2.5cm quartz band, with minor vugs													
					and fqp fragments, banded quartz.													
					20.4m 1cm quartz vein at 090°.													
					20.5m 1cm quartz vein at 085°.													
					20.9m 1cm quartz vein at 095°													
					21.1m 1cm quartz vein at 070°													
					20.9-22.35m core pervasively silicified													
					with 1-2mm randomly oriented													
					quartz veinlets													
					21.5m 0.6cm quartz vein at 035° to CA													
					vuggy, with 1cm rusty envelope.													
					21.65m milky white quartz band 0.5cm at 090° to CA													

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Depth m	Graph Log Lith	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					21.95-22.0m 5cm quartz/chalcedony band	22.0	24.0	1.80	D13159	1	2	1/2	0			0.7	20	
					very vuggy, locally drusy cavities,													
					rusty gouge within vugs													
					22.25-22.35 quartz/chalcedony patch with													
					randomly oriented quartz veinlets.													
					22.9 0.5cm quartz vein at 095° to CA													
					23.45 1.0cm quartz vein at 100° to CA													
					banding, minor vugs noted.													
					23.65 1.0cm quartz vein at 100° to CA													
					with < 1-2mm quartz veinlets.													
					23.8 0.2-0.6cm milky opaline quartz vein													
					at 080° to CA	24.0	26.0	1.94		1	2	2	0					
					24.4-24.8 broken/fractured core, infilled	24.0	27.0		D13160							0.9	35	
					with rusty gouge, quartz/													
					chalcedony patches broken by													
					fracturing.													
					24.9 0.6cm quartz/chalcedony vein at 060°													
					to CA													
					24.9-25.0 broken/fractured core													
					25.5 1.0cm quartz/chalcedony vein at 070° to CA													

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PAGE NO: 9

Depth m	LITHOLOGY Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					25.50-25.54 4.0cm quartz/chalcedony band at 080° to CA. convoluted banding noted along margins, minor 1mm fqp fragments.													
					From here onwards, unless otherwise noted, core is crosscut by 1.1mm randomly oriented quartz veinlets.													
					25.95m 1.0cm convoluted/banded quartz/chalcedony vein at 110°.	26.0	28.0	1.95		6	9	2	0					
					26.13-26.24m quartz chalcedony band, very vuggy fractures at either end infilled with white clay gouge/rusty gouge.													
					26.3-0.4cm dark grey quartz vein at 060° to CA													
					26.4m 0.6cm milky white quartz vein at 070° to CA													
					26.7m) 1.0-1.2cm white quartz veins with 26.75m) bladed texture, minor drusy cavities													

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LITHOLOGY					ALTERATION & MINERALIZATION													
Depth m	Graph Log Lth.	Alt	From m	To m	General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					27.0-27.15m) quartz/chalcedony bands with	27.0	27.65		D13161							1.0	120	
					27.25-27.4m) stringer veinlets associated,													
					27.45-27.65m)milky white to dark grey quartz													
					convoluted banding, minor bladed	27.65	30.0		D13162							1.0	45	
					texture and vugs and drusy cavities													
					noted.	28.0	30.0	1.92		5	3	1	0					
					28.65-28.8m locally brecciated core,													
					fragments 1-2cm, with silica													
					cement, clay gouge and rusty													
					alteration in interstices.													
					28.85-29.0m pale reddish brown-tan-white													
					chalcedony band, contains up to													
					1cm fragments of altered fqp,													
					very vuggy.													
					29.1-29.15m as above													
					29.15-29.23m milky white to tan to dark													
					grey quartz chalcedony patch,													
					minor bladed texture, minor vugs													
					29.35-29.45m medium grey to white quartz													
					band,convoluted, minor vugs.													

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Depth m	Graph Log Lti.	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					29.52m 0.7cm white quartz vein at 055° to CA.													
					29.65m 1.2cm pale grey to white pyritic banded vein with minor vugs.													
					29.95-30.55m clay altered core, with rusty alteration along fractures	30.0	32.0	1.78	D13163	3	2	2	0			0.7	50	
					30.6-30.7m 0.2-0.5cm reddish brown to tan quartz/chalcedony veinlets, very vuggy, multidirectional													
					30.8m 1cm grey/white, very convoluted vein at 100° to CA, crosscut and offset by white quartz vein/ fracture, crosscutting and off-setting earlier 1mm dark grey veinlets													
					30.95-31.2m broken/incompetent core													
					31.25m convoluted/banded medium to dark grey													
					0.8cm quartz vein with stringers all contain 1-2mm fqp fragments													
					31.6m 0.7cm quartz/chalcedony vein, minor vugs.													

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					31.8 0.4cm quartz/chalcedony vein, minor													
					vugs													
					32.5-32.85m core locally brecciated,													
					fragments separated	32.0	34.0	1.85		3	4	1	0					
					by <1-5mm quartz veinlets, with	32.0	33.0		D13164							0.7	270	
					clay and rusty gouge fragments													
					between 1-5mm													
					32.85m 3cm quartz/chalcedony band, vuggy													
					openings, minor bladed texture													
					noted													
					33.0-34.4m core brecciated locally,	33.0	34.4		D13165							0.9	230	
					crosscut and separated by < 1-1mm													
					quartz stringers													
					large vugs, some clay infilled													
					33.4m 1cm banded/convoluted quartz vein													
					at 095° to CA													
					33.45-33.54m) medium grey to white convoluted													
					33.6 -33.7m) quartz bands, with vuggy	34.6	36.0		D13166									
					openings and 1-2mm fqp fragments	34.0	36.0	2.15		2	3	1/2	0			0.9	120	

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Depth m	Graph Log Lith	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					34.8-34.9m small quartz veinlet swarm with													
					1-2mm fqp fragments													
					35.4m 1.4cm white/grey quartz vein at 080°													
					to CA, minor bladed texture													
					35.5m 1.2-2.0cm, medium grey/white quartz													
					vein at 080° to CA, associated													
					quartz stringers													
					35.6m 1.4cm quartz vein medium grey to													
					white, at 120° to CA													
					35.85m 0.5cm medium grey quartz vein at													
					020° to CA	36.0	38.0	1.93	D13167	1/2	1	2	0			0.8	25	
					36.95m 2.0cm quartz bend, banded at margins,													
					bladed at centre of vein													
					37.85m 1.5cm white quartz vein at 065° to													
					CA, locally vuggy													
					38.2m 1cm wide dark to medium grey and													
					white	38.0	40.0	1.85	D13168	3	1	1	0			0.7	55	
					convoluted quartz vein at 080°													
					to CA, drusy, infilled in centre													
					38.3m 0.6cm pale grey quartz vein with													

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Depth m	Graph Log Ltl.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					1-2mm angular fragments at													
					110° to CA													
					38.6m) 2.0cm white/grey convoluted/banded													
					38.65m) quartz veins													
					38.9m 4.0cm white/tan banded/convoluted													
					quartz vein, minor dark grey quarts													
					39.0-39.1m) locally intense white quartz veinlets													
					39.2-39.35m) (0.2-0.4cm) & stringers(<1-1mm)													
					39.8-39.95m with angular fqp fragments													
					39.95-40.m) 1.4-1.8cm white banded/convo-	40.0	42.0	1.91	D13169	2	4	1/2	0			0.7	30	
					40.2-40.35m) luted quartz with stringer													
					veinlets, vuggy openings													
					40.58m 1.5cm quartz vein, broken with rusty													
					gouge infilling at 060°CA													
					40.75m 1.4cm milky white quartz vein at													
					140° to CA minor vugs													
					41.0m) 2.0 & 2.2cm milky white quartz													
					41.05m) vein, minor bladed texture, very													
					vuggy, infilled with rusty													
					alteration.													

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Depth m	Graph Log Lith	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					41.7m 1.0cm crystalline to light grey,													
					quartz vein at 070° to CA.													
					41.8-41.85m 5cm quartz/chalcedony band													
					grey/white, with 12mm fqp fragments,													
					very vuggy													
					41.95m 0.5cm quartz vein at 115° to CA													
					42.5-42.6m banded quartz/chalcedony vein,	42.0	44.0	1.99	D13170	7	4	1	0			0.9	50	
					white to medium grey, convoluted,													
					with minor bladed texture, 1-2mm													
					fqp fragments.													
					42.9-43.2m fractured at 000° to CA, with													
					parallel < 1-1mm quartz veinlets.													
					43.3-43.55m quartz bands, locally convoluted													
					and banded, vuggy openings, milky													
					white to grey													
					43.65m 1cm wide quartz vein at 095° to CA													
					banded at margins, minor bladed													
					texture in centre of vein.													
					44.3m 1.5cm white quartz vein, at 095° to													
					CA, minor vugs	44.0	46.0	1.90		2	4	1/2	0					

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Depth m	LITHOLOGY Graph Log Lith	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					44.5-44.55m) 5cm white quartz bands,locally	44.0	46.1		D13171							1.1	20	
					44.6-44.65m) bladed, minor vugs, with thin													
					quartz stringers associated													
					44.85-45.05m pervasive silicification													
					with vuggy core, slightly													
					brecciated													
					45.75m/cm banded white quartz, vein at													
					120° to CA													
					46.1-47.95m altered fqp with 2-5cm bands	46.0	48.0	1.93		10	15	2	0					
					of milky white to grey banded/													
					convoluted quartz with < 1-1mm	46.1	47.95		D13172							1.2	135	
					randomly oriented quartz veinlets,													
					locally containing 1-2mm fragments													
					of fqp.													
					46.3-46.55m pervasive quartz/chalcedony													
					with 1mm to 1.2cm angular altered	47.95	50.0		D13173							1.2	90	
					fqp fragments													
					48.15m 1.0cm cryptocrystalline quartz vein													
					with minor < 1mm fqp fragments at	48.0	50.0	1.87		3	4	2	0					
					at 060° to CA													

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Depth m	Graph Log Lth	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					48.2m 0.8cm quartz vein, broken/fractured													
					open													
					48.45m 1.4cm quartz vein at 060° to CA,													
					banded/convoluted grey/white quartz													
					48.58m 1.1cm quartz vein at 045° to CA,													
					banded/convoluted grey/white quartz													
					48.65m 0.8cm white quartz vein at 090° to CA													
					48.8m 0.7 dark grey/white, banded/convoluted													
					quartz vein at 070° to CA													
					48.85m 1.5cm dark grey/white banded/													
					convoluted quartz vein at 115° to CA.													
					48.9-49.05m pervasively silicified zone,													
					core broken/fractured													
					49.1m 5cm silicified/bladed patch													
					49.3m 1.4cm dark grey/white banded quartz													
					vein with minor vugs.													
					49.72-50.76m dark grey/white banded/con-													
					voluted quartz vein at 090° to CA													
					49.8m 1.5cm dark grey/crystalline banded/													
					convoluted quartz vein at 095°													

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd.													
					to CA, vuggy and bladed in centre.													
					50.2-50.4m core crosscut by multiple 1-4mm	50.0	52.0	1.98	D13174	2	5	1	0			1.0	65	
					randomly oriented quartz veinlets,													
					local white quartz patches with													
					1-3mm altered fqp fragments													
					50.6-50.7m as above													
					50.8-50.9m as above													
					50.93m) 0.6cm banded/convoluted dark grey													
					50.96m) quartz band at 090° to CA													
					51.3-51.4m core crosscut by milky white													
					<0.1 - 0.6cm													
					white quartz veins, randomly													
					oriented with minor small fqp													
					fragments													
					51.8m 3.0cm quartz/chalcedony band, banded													
					at margins, milky white to light													
					grey, minor vugs, at 075° to CA.													
					51.92m 0.8cm white quartz vein, at 130° to CA													
					minor vugs													

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Depth m	Graph Log Lith	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					51.94m 0.5cm white quartz veins at 100° to CA, minor vugs													
					52.0-52.4m core crosscut by randomly oriented white to light grey quartz veinlets and quartz bands containing 1-4mm angular fqp fragments. core and quartz vein locally vuggy	52.0	54.0	1.99	D13175	3	6	1	0			1.6	110	
					52.7m 9cm quartz/chalcedony band, bladed texture noted, locally vuggy, white/grey with dark grey margins													
					52.95m 0.7cm grey/white convoluted/banded quartz vein at 125° to CA.													
					52.98m 0.5cm grey/white convoluted/banded quartz vein at 095° to CA.													
					53.1-53.15m) white to grey convoluted													
					53.22-53.27m) quartz bands, locally vuggy, contains up to 1cm angular fqp fragments.													
					53.65m 2.0cm milky white to grey quartz vein at 100° to CA.													
					53.73m 1.2cm convoluted/banded quartz vein													

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd.													
					white margin, grey centre at 125° to CA.													
					53.75-53.95m core crosscut by randomly													
					oriented, medium to dark grey.													
					<1-4mm quartz veinlets.													
					separating fragments up to 2.0cm													
					quartz veins locally banded with	54.0	56.0	1.63	D13176	6	11	2	0			1.8	270	
					minor vugs.													
					54.4-54.5m) banded/convoluted at margins,													
					54.55-54.62m) milky white to grey quartz/													
					chalcedony bands, locally large vugs.													
					55.3m 1.4cm quartz veins at 145° to CA,													
					dark grey banded margin, very bladed,													
					vuggy in centre of vein.													
					55.4-55.55m 1-4mm quartz veinlets, randomly													
					oriented, very vuggy, clay gouge in vugs.													
					55.6-55.8m milky white to cryptocrystalline													
					quartz with grey white opaline													
					convoluted/banded margin,													
					containing up to 2cm angular fqp													

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Depth m	Graph Log Lith	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					cont. fragments., minor small vugs,													
					bladed texture noted.													
					55.85m 3.0cm rusty brown quartz vein,													
					bladed in centre, thin dark grey													
					margins, at 045° to CA.													
					55.9m 1.2cm banded/convoluted grey/white													
					quartz vein at 050° to CA.													
					55.95-56.07m quartz band, cryptocrystalline	56.0	58.0	1.97		6	14	2	0					
					to reddish brown, bladed texture in	56.0	57.5		D13177							1.1	110	
					centre, minor vugs													
					56.12m 2.0cm creamy white to cryptocrystalline													
					quartz/chalcedony bands with banded													
					and convoluted/banded margins,													
					infilled with bladed quartz, & vugs													
					56.8m 3.5cm as above													
					56.27m 4.0cm as above													
					56.4-56.45m patchy quartz with 1-2mm fqp													
					fragments within													
					56.85-57.16m cryptocrystalline quartz band													
					bladed with minor vugs	57.5	58.75		D13178							2.9	610	

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Depth m	LITHOLOGY Graph Log Lith	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					57.5-58.75m pervasively silicified fqp	58.0	60.0	1.96		9	7	2	0					
					crosscut by many < 0.1-2.5cm milky													
					white quartz veins & medium/dark													
					grey convoluted/banded quartz/													
					chalcedony veins. Quartz veins are													
					locally vuggy & bladed containing													
					< 1-8mm fqp fragments. Locally													
					drusy cavities.													
					58.75-59.9m altered fqp crosscut by	58.75	60.0		D13179							1.2	25	
					numerous randomly oriented < 1-4mm													
					quartz veinlets & 1.0 to 2.4cm													
					white/grey quartz bands, all between													
					080° and 110° to CA.													
					60.2-61.3m as above, locally very vuggy	60.0	62.0	1.83		7	17	1	0					
					61.3-61.6m quartz vein, white to tan to	60.0	61.3		D13180							1.2	110	
					grey, locally banded	61.3	61.6		D13181							2.7	140	
					61.87-61.92m) quartz bands, medium grey to	61.6	64.0		D13182							1.4	90	
					62.0-62.1m) to brownish red, minor vugs	62.0	64.0	1.79		3	6	2	0					
					62.4m 0.9cm medium grey quartz vein at 045°													
					to CA													

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					62.62m) 3.0cm quartz/silicified band													
					62.84m white to light grey													
					62.93-62.99m quartz band, white with 1-2cm fqp fragments													
					63.45-63.5m milky white, minor grey quartz band at 090° to CA													
					63.55-63.62m pale grey quartz band at 050° to CA													
					63.95-64.1m core crosscut by many randomly oriented grey/white 1-2mm quartz veinlets with 1-2cm angular fqp fragments	64.0	66.0	1.96	D13183	2	7	2	0			2.1	220	
					64.3m 4.0cm white to medium grey quartz band at 080° to CA													
					64.6-64.9m core crosscut by randomly oriented 0.3-0.7cm dark to medium grey to white quartz veinlets with minor vuggy openings.													
					65.2m 0.5cm grey/white quartz vein													
					65.3m 0.4cm quartz vein at 070° to CA													

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LITHOLOGY					ALTERATION & MINERALIZATION												
Depth m	Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					65.79-65.92m quartz/chalcedony band, white/													
					grey,locally layered, banded with													
					minor bladed texture													
					66.1-66.5m clay altered/broken core	66.0	68.0	1.61	D13184	2	13	3	0			3.6	195	
					66.75-67.6m core with 2-3cm quartz patches													
					1-4mm randomly oriented quartz													
					veinlets and 0.8-1.2cm quartz veins,													
					locally bladed and vuggy in centre.													
					67.6-67.8m white quartz band with minor													
					grey quartz, very vuggy with minor													
					clay blebs.													
					67.9-68.15m grey white quartz band, locally	68.0	70.0	1.92		13	30	1	tr					
					banded, locally bladed	68.0	69.9		D13185							2.4	190	
					68.28-68.58m as above, with minor 1-2mm	69.9	70.0		D13186							1.0	70	
					fragments of fqp													
					68.73-68.78m) banded, cryptocrystalline white													
					68.85-68.9m) to tan to reddish brown quartz													
					band													
					69.0-69.05m minor vugs													
					69.15-70.15m fqp crosscut by <1-1mm quartz													

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd. microveinlets & large, upto 5cm, quartz/chalcedony bands with white to medium grey, locally banded/ convoluted & vuggy quartz - contains 1mm to 0.8cm angular fqp fragments & large bladed/vuggy patches locally, minor hematitic alteration along quartz vein. - minor thin <1mm dark pyritic veinlets													
					69.9-70.0m 10cm white to pale grey bladed quartz vein, crosscuts earlier quartz veinlets.	70.0	72.0	2.02		8	10	3	0					
						70.0	72.4		D13187							1.7	70	
					70.15-70.45m broken core, creamy white to pale grey bladed vuggy quartz, locally banded, with minor 0.1 to 0.8cm rock fragments.													
					70.45-70.65m silicified patch, quartz/ chalcedony with convoluted banding, locally vuggy with up to 1cm angular fqp fragments, intense clay													

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Depth m	Graph Log Lth	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd. alteration between fragments.													
					70.7m 4.0cm wide milky white/grey quartz vein with stringer veinlets associated at 115° to CA													
					70.8m 0.6cm medium to dark grey/chalcedony vein at 115° to CA													
					70.92m 0.8cm grey/white vuggy quartz vein at 125° to CA													
					71.0m 0.8cm grey/white quartz vein with minor vugs at 135° to CA.													
					71.02m 0.4cm grey/white quartz vein at 130° to CA.													
					71.11m 4cm quartz/chalcedony band, minor banding, vugs													
					71.20m 5.0cm white/grey quartz band, lots of blading, and small vugs.													
					71.65m 1.8cm white quartz band at 115° toCA													
					71.67-72.2m intense clay alteration of fqp, feldspars altered to clay, imparting chalky white color locally.													

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Depth m	Graph Log Lth.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					71.95m 3.0cm quartz band, with minor vugs &													
					1-2mm fqp fragments.													
					72.15m as above	72.0	74.0	1.84		3	17	2	0					
					72.4-72.72m white to pale grey bladed quartz	72.4	72.77		D13188							2.1	90	
					vein at 070° to CA, local small vugs													
					72.75m 0.6cm grey/white quartz vein at 125°													
					to CA													
					72.75-73.8m Pervasive silicification	72.77	74.0		D13189							0.8	35	
					73.42m 2cm white/grey quartz band with minor													
					banding & vugs at 095° to CA													
					73.6m 0.8cm banded/convoluted grey quartz/													
					chalcedony vein at 110° to CA													
					74.25-74.3m milky white to grey quartz band,	74.0	76.0	2.01		4	21	2	0					
					broken and fractured	74.0	75.3		D13190							0.9	50	
					74.5m 3cm white/grey bladed quartz vein at													
					075° to CA													
					74.9m 0.9cm quartz vein at 060° to CA	75.3	76.1		D13191							2.9	180	
					75.3-76.1m milky white to cryptocrystalline	76.0	78.0	1.92		7	22	2	0					
					quartz with bladed texture, banding													
					and minor vugs.													

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Depth m	LITHOLOGY Graph Log Lth.	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					76.1-77.0m <1-2mm randomly oriented quartz	76.1	77.0		D13192							1.8	120	
					veinlets with 0.5-2.0cm milky white/													
					grey convoluted/banded quartz veins													
					& patches, local bladed texture.													
					77.0-77.2m grey/white quartz band with	77.0	78.0		D13193							2.1	140	
					bladed texture, locally vuggy/broken.													
					77.21-77.23m tan/white banded/convoluted													
					quartz band at 125° to CA.													
					77.4-77.95m silicified breccia zone, core													
					locally fractured, up to 3cm frag-													
					ments in milky white/grey quartz/													
					chalcedony. Minor bladed texture.													
					77.95-79.70m fqp is fresh, relatively													
					unaltered, purplish matrix with													
					1-2% 1mm quartz eyes,	78.0	80.0	1.92		7	15	2	0					
					10-15% upto 2cm feldspar phenocrysts,	78.0	79.7		D13194							0.9	110	
					locally clay altered, feldspars													
					also altered to clay													
					78.25-78.4m milky white to cryptocrystalline													
					quartz band													

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Depth m	Graph Log Lth.	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					78.65-78.73m) quartz patches within fresh fqp													
					79.00-79.09m) contains 0.2-2.0cm angular fragments													
					79.15-79.25m minor vugs with trace clay blebs.													
					79.7-80.3m silicified breccia, 1-2mm	80.0	82.0	1.82		10	35	1/2	0					
					fragments in mostly quartz/chalce-	79.7	80.6		D13195							2.9	190	
					dony matrix													
					- quartz locally bladed, small grey													
					convoluted/banded quartz veinlets,													
					vuggy locally.													
					80.3-80.4m 10cm pure white quartz band,													
					partly bladed/vuggy													
					80.5-80.6m as above													
					80.6-81.1m silicified fqp crosscut by <1-2mm	80.6	81.1		D13196							5.3	230	
					multidirectional quartz veinlets,													
					also 0.2-0.8cm dark grey convoluted													
					quartz/chalcedony vein, crosscut by													
					later 0.9cm white quartz vein.													
					80.96-81.01 m milky white quartz band,													
					locally banded													
					81.1-81.68m milky white cryptocrystalline	81.1	81.68		D13197							2.9	350	

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Depth m	Graph Log Lti.	Graph Log Alt.	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					cont. quartz vein minor bladed texture,	81.68	83.0		D13198							2.0	180	
					locally vuggy													
					81.68-83.0m variably silificied breccia	82.0	84.0	1.85		20	30	1/2	0					
					-pervasive & patchy silicification,													
					fragments of altered fqp as well as													
					silica fragments.													
					angular fragments to 30cm. silici-													
					fication locally very intense.													
					Locally vuggy.													
					83.0-83.6m quartz/chalcedony breccia, broken	83.0	83.6		D13199							2.4	175	
					milky white to pale grey quartz in	83.6	85.0		D13200							2.2	130	
					fine grained quartz matrix, per-	85.0	86.0		D13201							2.6	195	
					vasive small vugs, rusty color													
					imparted to core	86.0	87.0		D13202							3.0	240	
					83.6-87.95m variably silicified breccia	84.0	86.0	1.72		15	20	3	0					
					87.95-88.1m quartz/chalcedony breccia	86.0	88.0	1.91		20	25	2	0					
					88.1-88.43m variably silicified breccia	87.0	88.0		D13203							3.4	430	
						88.0	88.43	0.41	D13204	20	40	1	0			2.5	460	
			88.43	88.8	Gradational Contact	88.43	90.0	1.61		1	1	30	0					
					grey green, fine grained moderately siliceous	88.43	88.8		D13205							1.1	660	

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Depth m	Graph Log Ltl	Graph Log Alt	From m	To m	General Description % minerals textures, major structures.
					contd.
					matrix with 2-6mm subangular
					quartz/chalcedony fragments
					locally vuggy, with rusty alteration
					along edges of fragments
					becomes increasingly clay rich at
					depth, angular fragments of fp in
					bottom 8cm
			88.8	92.1	Feldspar Porphyry(?), dark grey, pervasively
					clay altered, local intense clay
					alteration., minor remnant feldspar
					phenocrysts, groundmass very
					friable, kaolinized.
			92.1	92.3	Clay Seam, white/tan, very fine grained,
					poorly indurated
			92.3	100	Feldspar Porphyry(?) Intense clay alteration
					variable grey to green color, with rusty
					alteration locally pervasive

ALTERATION & MINERALIZATION												
From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
88.8	90.0		D13206							0.8	20	
90.0	92.0	1.84		0	0	25	0					
92.0	94.0	0.85		0	0	35	0					
94.0	96.0	0.48		0	0	20	0					
96.0	98.0	1.59	D13207	0	0	30	0			0.3	10	
98.0	100.0	1.78		0	0	25	0					

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Depth m	Graph Log Lti.	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			g/t Ag	ppb. Au	Vein widths, angles mode of occurrence compositions, etc.
			100	104.6	Pale tan/white clay gouge with locally intense rusty alteration	100.0	102.0	1.94	D13208	0	0	60	0			1.4	95	
					Fine grained, moderately well indurated, completely clay altered. FAULT GOUGE	102.0	104.0	1.88		0	0	60	0					
			104.6	105.8	Dark green/grey.Fine grained poorly to moderately indurated. Clay/mud seam (gouge?)	104.0	105.8	1.52		0	0	80	0					
						104.5	105.8		D13209							0.6	2.0	
			105.8		E.O.H.													

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LOCATION: 1+94S, 0+87W			HOLE NO.: DDH-5-85
AZIMUTH: 115°	DIPS - COLLAR 50°	CONTRACTOR: D. W. Coates	PROPERTY: WOLF
ELEVATION: 1257.9m	- m	LOGGED BY: LDH	CLAIM NO: 1
LENGTH: 51.8m	- m	DATE: June 29-30, 1985	SECTION NO.:
CORE SIZE: NQ	- m		STARTED: June 27, 1985
PURPOSE: Test mineralization below trenches			COMPLETED: June 28, 1985

Depth m	Graph Log Lth	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
			0	1.8	Casing													
			1.8	3.8	Float/Subcrop	1.8	3.0	0.45	D13210	12	4	3	0	No		3.1	190	
					cored pebbles of assorted rock types -													
					of significance are altered fbr sections	3.0	4.0	0.32		2	tr	1	0	No				
					with chalcedonic banding 2.5cm widely													
					crosscut by randomly oriented 0.2-0.4cm													
					quartz veins with vuggy open space filling.													
					Patchy hematitic alteration noted.													
			3.8	24.6	Altered Flow Banded Rhyolite (fbr)													
					- pervasively tan/white altered fbr with													
					1-2mm quartz eyes													
					- locally minor flow banding is preserved,													
					mostly masked by alteration													
					Flow banding, where visible, is at approxi-													
					mately 130° to CA.													

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PAGE NO: 2

Depth m	Graph Log Lith	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd.													
					Limonite is pervasive, patchy, along													
					fractures &/or along banding (where present)													
					Locally fbr is crosscut by randomly oriented													
					<1-1mm quartz veinlets & associated small													
					1-2cm silicified patches.													
					3.8-5.6m flow banding obscured by pervasive	3.8	6.0		D13211							8.3	50	
					alteration with local rusty patches	4.0	6.0	1.66		1/2	3	2	0	No				
					crosscut by thin <1-1mm multidirectional													
					quartz veinlets, may be locally vuggy.													
					4.7m 0.5cm cryptocrystalline quartz vein													
					at 075° to CA, small vugs in centre													
					5.0m 0.3cm quartz vein at 045° to CA													
					5.6-5.9m clay altered core, white/tan colored													
					very fractured with rusty gouge & 1-2mm													
					fbr fragments.													
					5.9-6.0m pervasive rusty alteration													
					6.0-6.5m pervasively silicified	6.0	8.0	1.76		2	3	3	0	No				
						6.0	6.5		D13212							44.0	3700	

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					6.0-6.15m silicified breccia 0.1-1.4cm													
					angular fragments randomly oriented in													
					quartz/chalcedony matrix, with rusty													
					staining along fractures.													
					6.15-6.3m quartz/chalcedony pervasive in													
					altered fbr. Very fractured with rusty													
					envelopes & patches.													
					6.3-6.5m altered & silicified fbr crosscut	6.5	8.0		D13213							1.0	140	
					by 1-4cm bands of pale purplish green													
					chalcedony crosscut by minor 1-1mm													
					randomly oriented quartz veinlets.													
					7.1m 0.4cm quartz vein, minor bladed texture													
					noted, with small vugs, at 110° to CA.													
					7.3m fracture at 160° to CA, infilled with													
					2cm of rusty gouge 0.1-1cm angular													
					fbr fragments.													
					7.45m 2cm wide quartz/chalcedony vein cross-													
					cut by above fracture, pale purplish													
					green to light grey green with white													
					quartz, with minor banding at margins.													

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd. Contains minor 1-2mm altered fbr fragments													
					Vein at 055° to CA.													
					7.57m 1.4cm grey/white cryptocrystalline quartz vein, minor bladed texture, locally vuggy.													
					7.95m 0.3cm quartz veinlet													
					8.6m 0.4cm grey/white quartz vein, with minor vugs, locally banded, at 085° to CA.	8.0	10.0	1.69	D13214	3	1	2	0	No		3.2	85	
					8.9-9.0m pale purplish/green quartz/chalcedony band, opaque, with minor vugs.													
					9.0-11.4m tan, rusty fbr with locally white/grey silicified patches 2-6cm, and associated 1-1mm veinlets.													
					10.05m 2cm wide quartz/chalcedony band dark grey margins, cryptocrystalline white quartz in centre of vein, minor clay infilled vugs.	10.0	12.0	1.87	D13215	3	2	2	0	No		4.1	25	
					10.30m 0.2-0.4cm quartz vein with bladed texture, open/vuggy in centre.													

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Depth m	LITHOLOGY Graph Log Lth	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					10.93m 0.5-1.1cm wide white quartz vein													
					with bladed texture, locally open with													
					drusy quartz.													
					10.97m fracture at -000° to CA infilled with													
					brown rusty gouge													
					11.0m 0.9cm dark grey silicified band at													
					040° to CA, crosscut by 0.4-0.6 cm													
					white cryptocrystalline quartz veins													
					at 095° to CA													
					11.3m 1.2cm q.v. milky white cryptocrystalline													
					quartz with 1-2mm altered fbr fragments.													
					locally vuggy, minor bladed texture													
					noted													
					11.95m 3.5cm silicified band with thinly													
					banded tan to grey chalcedony, & white													
					quartz. contains up to 2cm fbr frag-													
					ments,locally vuggy.	12.0	14.0	1.84	D13216	1	2	4	0	No		2.0	550	
					12.1-12.4m core fractured // to CA,													
					infilled with brown rusty gouge, minor													
					fbr fragments.													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					12.6-12.8m fractured, clay altered fbr. pervasive whitish clay alteration with fractures - 000° to CA, infilled with gouge & 2-4mm rock fragments. locally small hematitic patches.													
					12.9-13.85m fbr a mottled tan/purplish color with white/tan clay altered patches.													
					13.85-14.05m pervasive quartz/chalcedony with a pale tan/green color imparted to core	14.0	16.0	1.90	D13217	2	5	4	0	No		1.3	240	
					14.3-14.4m as above, with remnant flow banding.													
					14.5-16.05m tan/cream altered fbr locally fractured with rusty staining along fractures. Fractures crosscut 1-2mm randomly oriented quartz veinlets. Fractures locally gouge filled with minor small 1-2mm rock fragments. Quartz veinlets locally	16.0	18.0	1.88	D13218	1/2	3	3	0	No		0.4	20	

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Depth m	LITHOLOGY: Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.
					cont. vuggy with minor clay blebs,
					- minor patchy hematitic alteration.
					- silicified patches associated locally
					with quartz veinlets.
					- at 000° to CA, elongate 0.1-0.4cm
					milky white/cryptocrystalline quartz
					vein with minor 1mm fbr fragments.
					15.05m 3cm quartz vein at 090° to CA
					15.9-16.1m 1-1mm quartz veinlet swarm with
					quartz separating rock fragments up to
					1.2cm, most fragments 1-2mm.
					- core quite fractured, with rusty gouge
					& patchy hematitic alteration
					16.45-16.5m silicified zone with randomly
					oriented 1mm quartz veinlets, minor
					clay blebs within vugs.
					16.9m) fractures at 150°, infilled with clay
					17.0m) gouge and 1-4mm fbr fragments.

ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.

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Depth m	Graph Log Lth.	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					17.9-17.95m dark grey/green quartz/chalce-													
					dony patches with a somewhat granular													
					texture, minor vugs, crosscut by 1-2mm													
					quartz veinlets.													
					17.95-18.05m pervasive silicification	18.0	20.0	1.92	D13219	2	4	3	0	No		1.0	75	
					18.2-18.5m pervasive silicification with													
					grey green quartz/chalcedony patches,													
					1-2mm randomly oriented quartz veinlets													
					& 1-2cm hematitic patches.													
					18.55m 3.0cm quartz veins fractured open,													
					containing rusty gouge & 1-5mm angular													
					quartz fragments, at 045° to CA.													
					18.55-19.2m pervasively silicified, local													
					1-1.5cm greenish/tan quartz/chalcedony													
					patches and 1-3mm quartz veinlets.													
					19.35m fracture at 170° to CA, infilled													
					with rusty gouge & clay, minor 1-2mm													
					rock fragments													
					19.6m fracture at 150° to CA infilled with													
					rusty gouge and clay.													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					19.7m 1.2cm cryptocrystalline white quartz													
					vein minor bladed texture, locally													
					vuggy, minor limonitic staining. Quartz													
					vein is fractured/broken.													
					19.85m 0.4cm glassy quartz vein at 125° to													
					CA, minor small vugs.													
					19.85-19.95 m 1-2cm green/tan quartz/chalcedony													
					patches.													
					20.1m 1 and 2 cm opaline greenish/tan	20.0	22.0	1.71	D13220	3	2	1	0	No		0.2	40	
					quartz/chalcedony patches, crosscut													
					by randomly oriented 1mm quartz vein-													
					lets.													
					20.1-20.2m 1-2mm randomly oriented quartz													
					veinlets.													
					20.5-20.65m 1-3mm quartz veinlets at 065°													
					to CA and <1-1mm randomly oriented													
					quartz veinlets.													
					20.9m 0.5cm quartz vein, fractured open with													
					rusty gouge and minor clay gouge.													
					21.0m 1.5cm greenish/tan chalcedony band													

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HOLE NO: DDH-5-85

LITHOLOGY					ALTERATION & MINERALIZATION												
Depth m	Graph Log Lti.	Alt	From m	To m	General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					21.0-21.2m core locally very fractured -													
					hairline fractures multidirectional													
					crosscutting and offsetting 1mm													
					quartz veinlets.													
					21.6m 1.5cm green/tan quartz chalcedony													
					patches - milky white in centre.													
					21.65-21.9m multidirectional fractures,													
					with core locally broken, rusty													
					alteration along fractures, small													
					0.8-1.0cm quartz/chalcedony patches,													
					< 1-1mm randomly oriented quartz veinlets.													
					22.1m 0.4cm cryptocrystalline quartz vein	22.0	24.0	1.70	D13221	1	3	2	0			0.3	20	
					at 030° to CA.													
					22.15m 0.4cm grey/green quartz/chalcedony													
					band at 030° to CA													
					22.15-22.75m thin, randomly oriented													
					multiple fractures, with rusty													
					staining. locally patchy hematitic													
					and patchy white clay alteration.													
					Crosscut by randomly oriented < 1-1mm													

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Depth m	LITHOLOGY Graph Log Lth	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd.													
					quartz veinlets.													
					Minor small quartz/chalcedony patches													
					22.6-22.75m intense <1mm randomly oriented													
					quartz veinlets with quartz/chalcedony													
					patches.													
					22.9m 0.3-0.6cm quartz/chalcedony vein with													
					minor 1-2mm fbr fragments @ 150° to CA.													
					23.1-23.25m broken core, pieces with up to													
					2cm green/tan quartz/chalcedony													
					patches, & 1mm quartz veinlets.													
					23.5 - 24.05m pervasively silicified, core													
					grey/white/tan color, locally thin													
					fractures at 060° to CA.													
					-0.6cm grey/green chalcedony band at													
					060° to CA. Core fractured, vuggy													
					with rusty staining and some white													
					clay infilling.													
					24.05-24.25m intense pervasive silicifica-	24.0	24.65	0.60	D13222	4	1	2	0			0.6	15	
					tion with dark grey/green quartz/													

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Depth m	Graph Log Lti.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd. chalcedony imparting a greyish/green color to core. Minor white clay altered pathces 24.25-24.65m patchy clay altered, rusty altered & silicified core. - minor small hematitic patches core fractured at 000° to CA - abrupt contact at 24.65m at ~ 090° to CA													
			24.65	31.60	Dark black, f.g.SILTSTONE with mudstone & brown sandy siltstone interbeds - locally bedded silstone with 1-6mm beds, fractured and offset by thin fractures - beds between 100° and 115° to CA. (fracturing & offsetting of beds gives core a zigzag checkered appearance) siltstone - black, fine grained, moderately to well indurated. sandy siltstone - brownish black with	24.65	26.0	1.27	D13223	0	0	2	0	No		0.3	15	

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Depth m	Graph Log Lth.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					ALTERATION & MINERALIZATION													
					medium sized sandy grains, poorly													
					sorted.													
					- mudstone - fine grained, brownish													
					black, also, see minor 0.8cm breccia													
					bands with thin (<1mm) elongate													
					(up to 1cm) siltsone fragments in													
					sandy siltstone matrix.													
					26.3-26.5m "porphyritic" sandy siltstone.	26.0	28.0	1.34		0	0	5	0					
					Fine grained black matrix, with 30%													
					medium sandy grains & 1-3% 1-2mm													
					feldspar grains (angular crystals)													
					and 1% very thin, elongate black													
					siltstone fragments.													
					26.5-28.8m pervasively clay altered, gougey	28.0	30.0	1.36	D13224	0	0	7	1			1.5	20	
					core with original textures masked.													
					- locally fractured fragments of													
					original siltstone remain in broken													
					dark mud matrix													
					28.8-31.6m bedded siltstone/sandy siltstone	30.0	32.0	1.61		0	0	10	2					
					locally fractured & offset. Locally													

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HOLE NO: DDH-5-85

Depth m	Graph Log Lth	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd. up to 15cm gouge/broken sections. Bedding is approximately 130° to CA - locally see pyritic bands up to 0.8cm													
					28.8-30.1m Breccia/Gouge													
					30.9-32.6m Breccia/Gouge													
			31.60	36.8	Variable Sedimentary Breccia													
					Assorted subangular to subrounded rock fragments from 0.1 to 11.0cm wide. - randomly oriented, poorly sorted fragments in fine to medium grained greenish black groundmass - black siltstone, brown/grey mudstone, quartzite(?) fragments common.	32.0	34.0	1.62		0	0	2	0	No				
					- locally get pyritic margins around fragments groundmass pervasively clay altered	34.0	36.0	1.27	D13225	0	0	4	tr	No		1.7	5	
					35.0-35.2m BRECCIA/GOUGE Contact at approximately 140° to CA													
					35.4-35.8m within sedimentary breccia													

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HOLE NO: DDH-5-85

Depth m	Graph Log Lth	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd. sequence, pale greyish green vessicular welded Ash Tuff.													
					- locally vessicles flattened, compacted	36.0	38.0	2.01		0	0	3	1					
					- matrix very fine grained (megaclast?)													
				36.8	Sharp contact at 125° to CA.													
			36.8	37.4	Greenish, poorly sorted coarse grained GRIT with subangular to subrounded fragments to 2mm													
				37.4	SHARD CONTACT at 160° to CA													
			37.4	37.75	Greenish, fine grained, moderately well indurated MUDSTONE													
			37.75	39.0	Variable sedimentary Breccia, with GRIT interbeds up to 20cm at 155° to CA	38.0	40	1.89		0	0	3	tr	No				
			39.0	40.70	GRIT	40.0	42.0	1.88	D13226	0	0	1	tr	No		0.9	5	

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HOLE NO: DDH-5-85
PAGE NO: 16

Depth m	Graph Log Lti.	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					39.4-39.7m Fragmental Grit interbed													
					- greenish groundmass with angular													
					fragments between 0.1 & 0.7cm													
					poorly sorted fragments													
					40.4-40.70m Grit, with sedimentary breccia													
					interbedded													
			40.70	40.95	Pale tan/green Tuff, moderately siliceous													
					very fine grained, well compacted													
					(Megaclast?)													
			40.95	41.9	Fragmental Grit Breccia													
					Fragmental grit groundmass (as before)													
					with subangular to subrounded													
					randomly oriented poorly sorted													
					fragments up to 4.5cm wide of silt-													
					stone, quartzite, porphyry.													
			41.9	51.8	Greenish grey to green aphanitic	42.0	44.0	1.74		0	0	2	1	No				
					Dacitic(?) Autobreccia													
					Fragments angular, locally open spaces at	44.0	46.0	1.79		0	0	1	1	No				

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HOLE NO: DDH-5-85
PAGE NO: 17

Depth m	Graph Log Lth	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					contd.													
					interstices between fragments, fragments up													
					to 5cm, generally between 1mm & 3cm	46.0	48.0	1.36	D13227	0	0	0	1	No		0.5	10	
					locally chloritized along fractures &													
					between fragments.													
					Fragments contain minor 1-1mm dark green/													
					black chloritized phenocrysts and 1-2% 1mm													
					greenish tan clay altered phenocrysts.													
					Pyrite occurs along fractures in small fine													
					grained patches & disseminated within the													
					matrix.													
					43.4-44.3m tan/white porphyritic fragments													
					common in fine grained green-grey													
					groundmass.													
					- large fragments up to 11cm, as													
					small as 1mm. Cream/white clay													
					alteration along fractures & between													
					fragments.													
					- 1mm phenocrysts(in fragments) altered to chlorite.													

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HOLE NO: DDH-5-85
PAGE NO: 18

Depth m	Graph Log Lth.	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py	Mag		ppm Ag	ppb Au	ALTERATION & MINERALIZATION: Vein widths, angles mode of occurrence compositions, etc.
					49.8-50.2m) microporphyry (megaclasts?)	50	51.8	1.41	D13228	0	0	3	tr	No		0.6	10	
					50.35-50.6m) dark green fine grained													
					matrix with 5-6% <1-1mm feldspar													
					phenocrysts and 1-2% <1mm, elongate													
					dark green/black phenocrysts (horn-													
					blende(?)→chlorite)													
					51.4-51.8m bleached, white porphyritic													
					fragments more intensely brecciated.													
			51.8		E.O.H.													

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LOCATION: 5+63S, 1+47E			HOLE NO.: DDH-6-85
AZIMUTH: 090	DIPS - COLLAR 50	CONTRACTOR: D. W. Coates	PROPERTY: WOLF
ELEVATION: 1269m	51 - 23 m	LOGGED BY: L. Holmgren	CLAIM NO: WOLF 1
LENGTH: 143.6m	52 - 75 m	DATE: August 11, 12, 1985	SECTION NO.:
CORE SIZE: NQ	47 106 47 -125 m		STARTED: August 10, 1985
PURPOSE: To intersect Pond Zone at depth.			COMPLETED: August 12, 1985

Depth m	LITHOLOGY: Graph Log Lth	Graph Log Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
			0	3.6	CASING.													
					Feldspar Quartz Porphyry.													
					8-10% 1mm to 1.5cm white, prismatic													
					orthoclase phenocrysts randomly oriented													
					in a fine grained grey/tan to purplish													
					groundmass.													
					1-2% 1mm glassy quartz eyes.													
					The porphyry may be locally crowded with													
					a greater number of smaller phenocrysts.													
					Feldspars are locally partly altered to													
					clay, locally are greenish in color.													
					Pyrite (<1-1%) occurs as <1mm cubes,													
					disseminated.													
					Porphyry is locally crosscut by very thin													
					<1mm dark grey pyritic veinlets.													

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HOLE NO: DDH-6
PAGE NO: 2

Depth m	Graph Log Lth	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					3.6-7.0 - broken/fractured incompleted	3.6	5.0	1.29	D13229	0	1	½	½			0.4	40	
					core with rusty alteration along fractures-	5.0	6.0	1.10	D13230	0	1	tr.	tr.			0.1	40	
					rusty color is pervasive into rock around	6.0	8.0	2.0	D13231	½	1	tr.	1			0.3	80	
					fractures.													
					7.1 - 3cm wide quartz vein, white, crypto-													
					crystalline banded at margins, bladed and													
					vuggy in centre, at 130° to CA.													
					8.0-8.25 - core crosscut by very thin < 1mm	8.0	10.0	1.78		1	2	½	2					
					dark pyritic veinlets at 100° to CA.	8.0	9.4		D13232							0.5	110	
					8.25 - 2.0cm convoluted/banded white to													
					crystalline quartz/chalcedony vein at													
					130° to CA.													
					8.7 - 2mm quartz veinlet at 130° to CA.													
					9.1 - 1cm cream/white quartz vein at 115°													
					to CA with associated parallel <1mm quartz													
					veinlets.													
					9.42 - 0.5cm dark grey pyritic veinlet at	9.4	9.5		D13233							0.3	30	
					140° to CA.	9.5	11.0		D13234							<0.1	65	
					11.1 - 2cm <1mm pyritic veinlets	10.0	12.0	2.07		1	3	½	1					

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					11.7 - 3cm dark grey to milky white	11.0	12.0		D13235							0.4	100	
					vaguely banded quartz vein at 070° to CA.													
					11.85-12.0 - silicified core.													
					11.87 - 0.5cm white quartz vein, locally													
					vuggy at 120° to CA.													
					11.89 - 0.4cm grey/white quartz vein at													
					090° to CA.													
					11.9-11.94 - bladed, vuggy quartz vein.													
					11.95-11.97 - grey/white quartz/chalcedony													
					vein.													
					12.5-14.0 - core has "dappled" appearance,	12.0	14.0	1.86	D13236	½	1	tr.	2			0.2	60	
					with a higher percentage of white feldspar													
					phenocrysts (~20%) and pervasive white													
					clay alteration of the groundmass.													
					12.6 - 1-2mm dark grey pyritic veinlet at													
					040°.													
					12.85-12.89 - core crosscut by <1mm dark													
					grey pyritic veinlets.													
					13.05 - 1cm banded quartz/chalcedony vein													
					locally convoluted and vuggy at 060° to CA.													

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Depth m	Graph Log Lth	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					13.45 - core fractured and broken along													
					thin quartz vein at 015° to CA.													
					13.8-13.9 - crosscut by <1mm dark pyritic													
					veinlets at 040° to CA.													
			14.0	14.15	Quartz Monzonite Dyke (?) - coarse grained,	14.0	16.0	1.98		5	20	0	2					
					relatively equigranular with quartz,	14.0	15.15		D13237							0.5	160	
					feldspar and hornblende.													
					14.15-17.8 - "Dappled" porphyry.													
					14.9 - 1mm dark grey pyritic veinlet at 080°													
					to CA.													
					14.95 - 0.3cm quartz veinlet at 140° to CA.													
					15.0-15.1 - randomly oriented, <1mm dark													
					grey pyritic veinlets.													
					15.15-15.3 - grey to white quartz/chalce-	15.15	16.2		D13238							4.1	380	
					dony band, bladed texture predominant, ban-													
					ded and convoluted near margins, minor													
					vugs.													
					15.35-15.4 - 1mm dark grey pyritic veinlets													

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HOLE NO: DDH-6
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Depth m	LITHOLOGY: Graph Log Lth	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					at 135° to CA. Crosscut and offset by													
					1-2mm grey/white quartz veinlets.													
					15.45 - 0.8cm banded/convoluted quartz vein-													
					let at 135° to CA.													
					15.50-15.68 - pale grey/white quartz band													
					locally bladed and vuggy - fragmental app-													
					ears to be resilicified quartz.													
					15.9-16.2 - pale grey - white quartz band	16.0	18.0	1.82	D13239	4	11	½	1			0.5	90	
					locally vuggy, bladed, contains minor alter-													
					ed fqp fragments.													
					16.22-16.25 - 3cm quartz/chalcedony band													
					at 085° to CA.													
					16.35 - 1cm banded/convoluted quartz vein													
					at 090° to CA., fractured open.													
					16.93 - 0.4cm quartz/chalcedony veinlet at													
					100° to CA.													
					16.97-17.01 - 4.0cm quartz chalcedony													
					band, locally vuggy.													
					16.93-17.01 - <1mm dark grey quartz veinlets													

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HOLE NO: DDH-6
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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					at 090°- 110° to CA.													
					17.5 - 5.0cm quartz band, with minor alter-	18.0	20.0	1.89		5	21	0	½					
					ed fgp fragments.	18.0	18.7		D13240							0.2	90	
					18.7-19.0 - white/cream/grey quartz band	18.7	19.0		D13241							2.2	210	
					intensely bladed with large vugs locally.													
					19.18-19.5 - white/pale grey bladed, locally	19.18	19.5		D13242							4.8	280	
					vuggy, quartz band with black (manganese?)													
					coating along fractures.													
					19.93 - 0.3cm creamy quartz vein at 135° to	20.0	22.0	1.90		4	5	tr.	1					
					CA.													
					20.2 - 2mm dark grey pyritic veinlet at 135°													
					to CA.													
					20.9-21.3 - core crosscut by many thin,	20.0	21.9		D13243							1.5	140	
					<1mm randomly oriented quartz veinlets and													
					grey pyritic veinlets.													
					21.3-21.9 - increasing number of quartz													
					veinlets, giving core a paler appearance													
					with depth, most veinlets occur at 090° and													
					050° to CA.													

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HOLE NO: DDH-6
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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					21.72 - 0.7cm quartz vein at 085° to CA.													
					21.9-22.3 - quartz/chalcedony band - pale	22.0	24.0	1.96		6	16	tr.	1					
					grey/white with minor beading and vugs	21.9	22.3		D13244							3.7	160	
					noted. Contains minor altered - 1-2mm													
					fqp fragments.													
					22.3-23.2 - locally silicified by randomly	22.3	24.0		D13245							2.2	100	
					oriented, <1-1mm quartz veinlets.													
					22.85 - 2.5cm quartz vein at 090° to CA.													
					23.0 - 0.6cm vuggy quartz veinlet at 110° to													
					CA.													
					23.25 - 1.1cm grey crystalline quartz vein													
					at 050 to CA.													
					23.25-23.45 - silicified core, crosscut by													
					1-1mm quartz veinlets, randomly oriented.													
					23.45-23.48 - 3cm quartz vein at 090 to													
					CA, very vuggy, contains <1mm altered fqp													
					fragments.													
					23.5-23.6 - milky white/grey quartz band													
					locally convoluted with minor altered fqp													

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HOLE NO: DDH-6
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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					fragments to 1cm.													
					23.6-24.15 - silicified locally, crosscut	24.0	26.0	1.95		7	18	½	½					
					by randomly oriented 1-2mm quartz veinlets.	2410	25.7		D13246							19	420	
					24.15-24.5 - strongly silicified core,													
					angular fqp fragments to 1-2cm in grey/													
					white quartz matrix.													
					Quartz locally bladed, locally vuggy.													
					24.7-24.8 - grey/white quartz band, locally													
					vuggy.													
					24.8-24.9 - grey/white quartz veinlets,													
					randomly oriented, containing 1-2mm fqp													
					fragments.													
					25.0-25.15- pervasive rusty staining.													
					25.15 - 1cm quartz vein, vuggy with minor													
					< 1mm fqp fragments.													
					25.16 - 1cm quartz vein as above.													
					25.2 - 0.8cm quartz vein at 110° to CA.													
					25.2-25.3 - pervasively altered section.													
					25.3 - 1cm mikly white/grey quartz vein with													
					minor vugs													

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HOLE NO: DDH-6
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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					25.3-25.6 - core silicified, cross cut													
					and locally brecciated by <1-1mm quartz													
					veinlets and grey pyritic veinlets.													
					25.6 - 3cm quartz vein at 090° to CA.													
					bladed/vuggy with minor 1-2mm fqp fragments.													
					25.7 - 4.0 cm quartz vein/band at 090° to	25.7	26.0		D13247							2.8	100	
					CA, convoluted/banded locally.													
					25.74-25.82 - strongly silicified core, with													
					1.0cm dark grey/pyritic veinlets at 150°													
					to CA, crosscut by later 2cm convoluted quartz													
					vein at 080° to CA pyritic vein is truncated													
					by above (25.7) 4cm quartz vein.													
					25.82-26.0 - core silicified/brecciated													
					angular fragments are separated by 2-4mm													
					quartz veinlets and patches, locally vuggy.													
					26.3-27.9 - core pervasively rusty stained,													
					crosscut by many <1-1mm randomly oriented													
					quartz veinlets.													
					26.7 - 0.5cm quartz vein at 110° to CA.													
					[illegible] 0.4cm quartz veinlet at 025°													

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LITHOLOGY					ALTERATION & MINERALIZATION												
Depth m	Graph Log Lth	Alt	From m	To m	General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					28.03-28.13 - quartz/chalcedony band, loca-	28.0	30.0	1.96		8	12	1	½					
					lly convoluted/banded, with minor blading	28.0	29.0		D13249							4.8	390	
					and vugs.													
					28.21 - 0.5cm grey/white bladed quartz vein													
					at 110° to CA.													
					28.3-29.0 - rusty staining pervasive, core	29.0	30.0		D13250							1.8	145	
					extremely silicified, crosscut by randomly													
					oriented quartz/chalcedony veins.													
					Core brecciated, up to 1cm fragments of													
					fqp in quartz matrix.													
					Quartz/chalcedony veinlets are locally													
					convoluted, minor vugs.													
					29.66 - 0.6cm quartz veinlet at 140° very													
					vuggy.													
					29.71 - 0.4cm white crystalline quartz													
					vein at 145°to CA.													
					29.0-30.9 - crosscut by <1-1mm dark grey													
					pyritic veinlets, <1-1mm quartz veinlets													
					locally.													

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HOLE NO: DDH-6
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Depth m	LITHOLOGY: Graph Log Lth	Graph Log Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					30.88-30.96 - locally convoluted, minor	30.9	33.4		D13252							2.2	160	
					blading tan/white quartz vein @ 110° to CA.													
					30.96-31.4 - crosscut by thin <1-1mm quartz													
					veinlets, randomly oriented.													
					31.01 - 1.5cm quartz vein at 125° to CA.													
					31.13 - 0.7cm quartz vein, very vuggy at													
					135 to CA.													
					31.2 - 1.5cm quartz vein, locally bladed.													
					31.4-31.5 - 10cm white/grey/tan banded/													
					convoluted at margin quartz/chalcedony band,													
					locally vuggy.													
					31.9-31.96 - 6cm band, as above.													
					32.1-32.45 - white/tan quartz, locally	32.0	34.0	1.97		10	30	tr.	½					
					bladed, vuggy, convoluted.													
					33.1 - 0.9cm dark grey pyritic veinlet at													
					025 to CA. with subangular fqp fragments													
					to 0.9cm within, also yellow/green clay													
					blebs. Crosscut by 0.7cm crystalline													
					quartz vein at 120° to CA.													

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HOLE NO: DDH-6
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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					LITHOLOGY	ALTERATION & MINERALIZATION												
					33.4-33.54 - white crystalline to milky	33.4	34.5		D13253							5.7	590	
					quartz vein, bladed, minor vugs.													
					33.64-34.5 - core predominantly silicified	34.0	36.0	1.81		8	22	tr.	½					
					locally bladed, locally vuggy, with minor	34.5	36.0		D13254							2.3	150	
					2-6mm fqp fragments up to 1.3cm within	36.0	38.0	1.57	D13255	7	13	tr.	1			2.5	150	
					quartz.													
					Quartz locally convoluted/banded.													
					37.15 - 0.8cm quartz vein at 070° to CA.													
					locally convoluted and vuggy.													
					37.25-37.32 - convoluted/banded quartz													
					veinlets, randomly oriented, locally													
					vuggy. Purplish 2-3mm/hematitic?) band													
					at 37.32.													
					37.37 - 0.6cm white/grey convoluted/banded													
					quartz vein at 070° to CA.													
					37.5 - 1.6cm grey/white convoluted/banded													
					quartz vein at 080 to CA.													
					37.54 - 0.6cm bladed quartz vein, with													
					purplish red stain (hematite?)													
					37.7-37.85 - silicified core, convoluted/													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	ALTERATION & MINERALIZATION: Vein widths, angles mode of occurrence compositions, etc.
					banded quartz, locally bladed, minor vugs.													
					37.85-39.97 - weakly silicified core, cross-	38.0	40.0	1.98	D13256	1	2	0	1			1.1	90	
					cut by minor <1-1mm dark pyritic veinlets													
					and <1-2mm quartz veinlets.													
					38.0-38.03 - tan/white quartz band at ~080°													
					to CA.													
					38.81 - 0.7cm quartz vein at 085° to CA.													
					39.05 - 2cm quartz vein at 090° to CA with													
					minor vugs.													
					39.15 - 0.6cm grey convoluted/banded quartz													
					vein at 100° to CA.													
					39.97 - 0.6cm convoluted/banded tan/grey													
					quartz vein at 095° to CA.													
					40.04-40.45 - grey/white quartz vein at 095°													
					to CA, locally banded, bladed in centre.													
					41.5 - 1.5cm crystalline quartz vein, local-													
					ly vuggy, at 090° to CA.													
					41.85 - 41.92 - locally convoluted, locally													
					bladed quartz band, minor vugs.													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					42.0-43.0 - core moderately silicified	42.0	44.0	1.64		15	20	½	½					
					crosscut by variable quartz veins, locally	42.0	43.0		D13258							2.2	270	
					bladed, mostly banded/convoluted.													
					43.0-43.25 - intensely silicified, grey/	43.0	44.8		D13259							2.5	330	
					white tan quartz, locally convoluted minor													
					vugs.													
					43.25-44.0 - moderate to highly silicified													
					massive quartz locally, with grey/white													
					veinlets and patches separating angular fqp													
					fragments.													
					44.0-44.8 - core crosscut by 1-5mm grey/	44.0	46.0	1.94		6	13	0	1					
					white quartz veins and veinlets.													
					44.45 - 4.5cm white/tan quartz vein con-													
					voluted at margins, 065 to CA, minor vugs.													
					44.7 - 5cm white/bladed quartz vein at 075° to													
					CA. convoluted along bottom margin.													
					44.8-45.05 - white/tan massive quartz band	44.8	45.05		D13260							2.1	400	
					locally bladed and vuggy.													
					45.05-46.0 - core fractured/vuggy along	45.05	46.0		D13261							1.0	90	

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					thin quartz veinlets at 095° and 135° to CA.													
					45.7 - 1.3 cm quartz vein, very vuggy, at													
					075° to CA.													
					45.95 - 0.7cm banded/convoluted grey/white													
					quartz vein at 070° to CA.													
					46.0-46.5 - core crosscut by up to 12cm	46.0	48.0	1.93		5	20	1	1					
					grey/white bladed/convoluted quartz bands.	46.0	46.5		D13262							4.6	400	
					46.5-47.2 - core crosscut by up to 1cm													
					quartz veins at 085°-110° to CA. locally very													
					vuggy, most with pervasive rusty envelopes													
					up to 0.5cm.													
					47.2-47.4 - intensely silified core, white													
					creamy to crystaline convoluted quartz													
					locally very vuggy with angular fqp fragments.													
					47.46 - 2.4cm quartz vein, creamy white with													
					minor blading at 080° to CA.													
					47.46-49.1 - core moderately silicified,													
					crosscut by up to 1.2cm quartz veins, mostly													

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Depth m	LITHOLOGY					ALTERATION & MINERALIZATION												
	Graph Log Lth	Graph Log Alt	From m	To m	General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					1-2mm veinlets veins are convoluted/banded.	48.0	50.0	1.63	D13264	1	5	1	0			1.4	140	
					49.1 - 2cm crystalline white quartz vein													
					at 120° to CA.													
					49.1-50.0 - crosscut by 1-2mm randomly													
					oriented quartz veins.													
					49.7 - 5.0cm white quartz band, locally													
					bladed and vuggy.	50.0	52.0	1.90		3	6	1	2					
					50.05-50.8 - core pale grey/green in color,													
					due to silicification, no rusty staining.													
					contains 10% disseminated pyrite crosscut													
					by 1-1mm dark pyritic veinlets, locally													
					get 0.5-0.8cm convoluted/banded quartz													
					veins, randomly oriented.	50.8	52.0		D13266							2.1	270	
					51.5-5.16 - core broken/silicified													
					51.8-52.0 - very vuggy along fractures													
					minor clay belbs in vugs.													
					51.7 - 1.5cm creamy white convoluted													
					quartz vein at 095° to CA.													

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Depth m	LITHOLOGY: Graph Log Lth	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					52.1-53.55 - core greenish, rusty staining	52.0	54.0	1.80	D13267	2	5	0	2			6.2	340	
					only along fractures/pervasive into rock													
					0.8cm. core crosscut by 1-2mm randomly or-													
					iented quartz veinlets.													
					52.9 - 1.2cm banded quartz vein at 095° to													
					CA.													
					53.75 - 6.0cm quartz band, minor blading													
					and vugs noted.													
					53.9-5414 - intensely silicified core tan/													
					white quartz band, locally bladed and	54.0	56.0	1.96		7	13	tr.	1					
					vuggy.	54.0	55.8		D13269							2.0	190	
					54.3-54.4 - as above.													
					54.6-54.9 - strongly silicified/brecciated													
					core. 2-3cm quartz bands and quartz patches													
					locally vuggy, minor 1-4mm altered fqp frag-													
					ments in siliceous matrix.													
					54.9-55.5 - tan/rusty altered fqp crosscut													
					by numerous randomly oriented <1-2mm													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					quartz veinlets randomly oriented.													
					55.8-56.55 - silicified breccia, intensely	55.8	56.55		D13269							2.0	280	
					silicified core with 1-2mm up to 0,6cm fqp	56.0	58.0	1.83		6	12	tr.	3					
					fragments.													
					locally vuggy, minor bladed texture noted.													
					56.55-56.9 - tan altered fqp, crosscut by	56.55	57.15		D13270							17.3	1440	
					minor 1-2mm randomly oriented quartz veinlets.													
					56.7-57.4 - core grey/green, no rusty	56.9	57.15		D13271							3.9	240	
					staining thin 1-1mm dark pyritic veinlets													
					and grey quartz veinlets randomly crosscut													
					core, 20% disseminated pyrite.													
					56.9 - 3cm quartz vein, locally bladed/													
					vuggy at 065 to CA.													
					57.0 - 2.7cm white/grey quartz vein minor													
					bladed texture, few small vugs.													
					57.07 - 0.2cm dark grey convoluted/banded													
					quartz vein at 080 to CA.													
					57.15-57.4 - many dark grey/pyritic veinlets	57.15	57.4		D.3272							2.5	140	
					and patches.													

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Depth m	LITHOLOGY: Graph Log Lth	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION: From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					5% cubic pyrite disseminated and in patches,													
					crosscut by 2mm to 0.6cm quartz veinlets.													
					57.4-57.47 - white quartz band, with bladed	57.4	58.0		D13273							5.3	660	
					texture no vugs.													
					57.47-61.7 - rusty/tan altered fqp, strongly													
					silicified, crosscut by numerous 2mm to	58.0	60.0	1.99	D13274	10	25	½	tr.			1.7	120	
					1.2cm white/grey quartz/chalcedony bands, with													
					up to 6.0cm grey/white convoluted bands													
					noted within. Locally vuggy where quartz													
					crosscuts core, minor bladed texture notch,													
					convoluting/banding common.	60.0	62.0	1.73	D13275	8	12	tr.	0			1.9	150	
					thin<1-2mm quartz stringers associated													
					quartz veins locally vuggy or fractured													
					along vugs.													
					At least 3 episodes of veining 1-6mm white,													
					minor grey quartz veins, crosscut by white													
					crystalline quartz veins, locally bladed													
					and vuggy crosscut by milky white banded/													
					confoluted quartz/chalcedony veins.													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					61.7-61.8 - massive white quartz bands													
					61.85-61.93 - bladed vuggy, minor banding													
					at margins.													
					61.93-71.7 - strongly silicified, tan/rusty													
					altered fqp crosscut by numerous quartz/													
					chalcedony bands and quartz veins, as 57.47-													
					61.7													
					62.05-62.15 - massive milky white quartz	62.0	64.0	1.94	D13276	12	18	0	0			1.8	130	
					band, minor bladed texture noted.													
					62.9-63.05 - massive white quartz, banded/													
					convoluted at margin, minor blading.													
					65.2-65.4 - massive white quartz band													
					bladed, very vuggy.													
					65.95-66.05 - massive white quartz band,	66.0	68.0	1.46	D13278	8	12	tr.	0			0.9	90	
					bladed.													
					67.9-71.7 - very intense silicification/													
					stockwork numerous large quartz bands.													
					67.9-67.97 - massive white quartz bands,													
					locally bladed and vuggy.													

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					67.99-68.08													
					68.13-68.26	68.0	70.0	1.93	D13279	15	25	tr.	tr.			0.9	150	
					68.4-68.6	70.0	71.7	1.22	D13280	20	40	tr.	tr.			1.2	190	
					71.2-71.7 - very fragmental, brecciated angular 1-4mm fqp fragments in intense silica matrix.													
			71.7	73.1	Contact - relatively sharp, between 095-105 to CA. Resilicified quartz/chert breccia, fragments of grey/white chert - 2mm to 3.0cm in siliceous groundmass.	71.7	73.1	0.67	D13281	20	60	2	0			2.1	800	
			73.1	92.6	Variably clay altered, locally rusty stained grey/white tan lithic tuff. 1-7mm angular variable fragments, may be up to 2.2cm, aligned predominantly at 100 to CA. locally crosscut by thin 1mm-1mm quartz veinlets.	73.1	74.0	0.78	D13282	0	1	5	tr.			1.0	190	
						74.0	76.0	1.26		0	2	10	1					
						76.0	78.0	1.29		0	4	8	0					
						78.0	80.0	1.21	D13283	0	3	6	0					

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Depth m	Graph Log Lth	Graph Log Alt	From m	To m	LITHOLOGY: General Description % minerals textures, major structures.	From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					73.1-81.6 - more altered, less original													
					textures preserved. core more friable,	80.0	82.0	1.34		0	1	4	0					
					rusty staining and clay alteration													
					predominant .	82.0	84.0	1.51		0	2	2	0					
					81.6-92.6 - original textures well preserv-	84.0	86.0	1.26	D13284	0	½	3	0			0.4	40	
					ed, less clay alteration, less rusty stain-	86.0	88.0	1.54		0	1	3	tr.					
					ing. Locally core fractured and broken.	88.0	90.0	1.49		0	½	6	0					
						90.0	92.0	1.36	D13285	0	2	20	0			0.1	90	
			92.6	94.5	Grey/tan rusty stained clay/gouge seam.	92.0	94.0	1.64		0	½	60	0					
					Intensely sheared, clay altered, original													
					textures masked.													
			94.5	96.4	Pale grey clay gouge. Original textures	94.0	96.0	1.67		0	0	70	½					
					masked, core extremely broken.													
			96.4	100.9	Tan/rusty coloured, clay altered, sheared	96.0	98.0	1.24	D13286	0	0	65	tr.			0.1	10	
					and broken core.	98.0	100.0	1.36		0	0	30	½					

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Depth m	LITHOLOGY Graph Log Lth	Alt	From m	To m	General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
			100.9	143.6	Dark grey, highly altered broken and	100.0	102.0	1.54		0	0	30	tr.					
					fractured lithis tuff.	102.0	104.0	1.38	D13287	0	0	40	½			0.3	<5	
					Cpmposed of angular variable fragments	104.0	106.0	1.42		0	0	30	2					
					1 to 6mm, up to 1.6cm in fine grained grey/	106.0	108.0	1.54		0	0	35	2					
					green groundmass slightly welded/laminated	108.0	110.0	1.34	D13288	0	2	25	1			0.3	<5	
					appearance, up to 20% fragments in matrix.	110.0	112.0	1.72		0	2	20	1					
					110.6 - end of very broken, friable section.	112.0	114.0	1.43		0	½	20	1					
					Core slightly more competent now, less	114.0	116.0	1.54	D13289	0	0	8	2			0.1	<5	
					2-4cm pieces.	116.0	118.0	1.46		0	0	12	2					
					123.6-126.0 - highly fractured, incompetent	118.0	120.0	1.29		0	½	18	1					
					core.													
					129.1-129.8 - very friable core, extremely	120.0	122.0	1.49	D13290	0	0	15	½			0.1	<5	
					broken.													
					131.9-134.9 - extremely broken, friable	124.0	126.0	1.72		0	0	30	2					
					core very few pieces greater than 2cm	126.0	128.0	1.71	D13291	0	½	10	3			0.1	<5	
					intensely sheared.	128.0	130.0	1.41		0	1	25	1					
					141.6-143.6 - highly sheared broken friable	130.0	132.0	1.47		0	0	15	2					
					core	132.0	134.0	1.49	D13292	0	0	25	1			0.1	<5	
						134.0	136.0	1.52		0	0	12	1					

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Depth m	Graph Log Lth	Graph Log Alt	LITHOLOGY From m	LITHOLOGY To m	LITHOLOGY General Description % minerals textures, major structures.	ALTERATION & MINERALIZATION From m	To m	Rcv. m	Sample No.	% Qtz Chcd.	% Qtz	% Cly	% Py			ppm Ag	ppb Au	Vein widths, angles mode of occurrence compositions, etc.
					143.6 - End of hole.	136.0	138.0	1.81		0	0	5	1					
						138.0	140.0	1.33		0	0	10	½					
						140.0	142.0	1.54		0	0	10	1					
						142.0	143.6	1.27		0	0	30	½					

APPENDIX I

STATEMENT OF QUALIFICATIONS

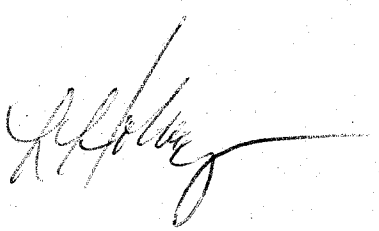
STATEMENT OF QUALIFICATIONS

1. I am a geologist residing at #107-1990 W. 6th Avenue, Vancouver, B.C. and was employed by Rio Algom Exploration Inc. of Ste. 520-800 West Pender Street, Vancouver, B.C. over the period of May 1 - October 4, 1985.

2. I am a graduate of the University of British Columbia with a B.Sc. (Geology) in 1982.

3. I have practiced my profession with Rio Algom and other companies since graduation.

4. I supervised the geological, geochemical, geophysical and diamond drilling programs conducted on the Wolf Claims from May 24 - August 15, 1985.



L. D. Holmgren

Vancouver
October 1985

STATEMENT OF QUALIFICATIONS

1. I am a geologist residing at 1220 Kings Avenue, West Vancouver, B.C. and am employed by Rio Algom Exploration Inc. of Ste. 520-800 West Pender Street, Vancouver, B.C.

2. I am a graduate of The University of British Columbia with a B.Sc. (Geology) in 1976, and an M.Sc. (Geology) in 1979.

3. I have practiced my profession with Rio Algom and other company since graduation.

4. I am a Member of the Geological Association of Canada and a Member of the Canadain Institute of Mining and Metallurgy.

5. I provided overall supervision for the geological, geochemical, geophysical and drilling programs conducted on the Wolf claims from May to August, 1985

R. M. Cann

Vancouver
October 1985