SPECOGNA
Q.C.I. - B.C.

Quintana 841967 1975

SPECOGNA PROJECT

1975 Work

Including Sampling Checks
and
Mineral Reserves Calculations

by
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INTRODUCTION

1975 work on the Specogna prospect included the drilling of 2357' in 5 BQ diamond drill holes, together with further metallurgical investigations. 34 additional claim units were staked to protect possible tailing disposal areas.

DRILLING

Holes Q-75-1, 2, 3 and 5 were drilled at -45° to the west. They were designed to test the zone at depth and to confirm the dip of the footwall fault. Holes 1 and 2 were successful in reaching these objectives. Hole 3 was abandoned at 245' after entering a crystal lined cavity. Hole 5 was spotted 300' east of Hole 3 and was drilled at -45° to the west in an attempt to test the Hole 3 target. Hole 5 was abandoned at 229' after problems similar to those of Hole 3 were encountered. As the minimum information necessary for making a 1976 program decision had been obtained, no further holes were drilled.

Hole 4 was drilled at -45° to search for a possible offset of the deposit under the footwall fault to the north. The fault was penetrated, but no interesting mineralization was seen in the shales either in the hanging wall or in the footwall.

Logs are attached as Appendix I.

ASSAYING

Serious assaying discrepancies in the original Min-En assays were discovered during the course of preliminary metallurgical work. Subsequent reassaying by Southwestern Assayers, Bondar-Clegg, and Loring Labs established that it was easy to achieve accurate consistent results with fire extraction combined with either atomic absorption or gravimetric determination on either a one half or a whole assay ton.

The problem with the original assaying, all done by Min-En, appears to be one of extraction. Min-En, who used a chemical extraction - atomic absorption determination on a 10 gram sample, have since discovered that they can get complete extraction with a very strong oxidizing attack. However, in order to obtain trustworthy values, all samples previously assayed by Min-En were reassayed by Bondar-Clegg using a fire extraction - atomic absorption determination technique. In addition, some 65 Loring control (2 assays per sample) checks were done on Bondar-Clegg pulps, 17 second half split cores were assayed, and 51 assays were done by Loring on newly prepared pulps.

ASSAY CHECKS

Table I and Figures I, II and III show comparisons between Min-En, Southwestern, and Bondar-Clegg for the samples used to produce the metallurgical composite now in the hands of Fred Lightner. Min-En used their own pulps, Southwestern and Bondar-Clegg used Southwestern prepared pulps.

TABLE I

COMPARISON OF ASSAYS
ON SAMPLES IN METALLURGICAL COMPOSITE

SAMPLE #	MIN-EN AVG.	SOUTH-WESTERN	BONDAR-CLEGG
9626	.027	.046	.045
9627	.070	.120	.120
9628	.072	.116	.125
9629	.059	.102	.110
9630	.040	.064	.070
9631	.058	.104	.110
9632	.039	.074	.075
9633	.034	.065	.065
9634	.044	.090	.085
9635	.079	.132	.135
9636	.055	.118	.105
9637	.073	.118	.130
9638	.052	.115	.095
9639	.039	.083	.085
9640	.033	.075	.080
9641	.026	.052	.060
4145	.052	.060	.055
4146	.064	.074	.075
4147	.031	.046	.040
4148	.047	.068	.055
4149	.040	.052	.050
Arithmetic Average	.049	.084	.084

LEAST SQUARE FIT	SOUTHWESTERN vs MIN-EN	BONDAR-CLEGG vs MIN-EN	SOUTHWESTERN vs BONDAR-CLEGG
Slope	+1.46	+1.51	+1.0
Intercept	+0.013	+0.010	-0.001
Correlation Coefficient	0.833	0.824	0.962

MIN-EN = Y AXIS

SPECOGNA ASSAY CORRELATION

Samples 9626–41, 4145–49

(Metallurgical Sample)

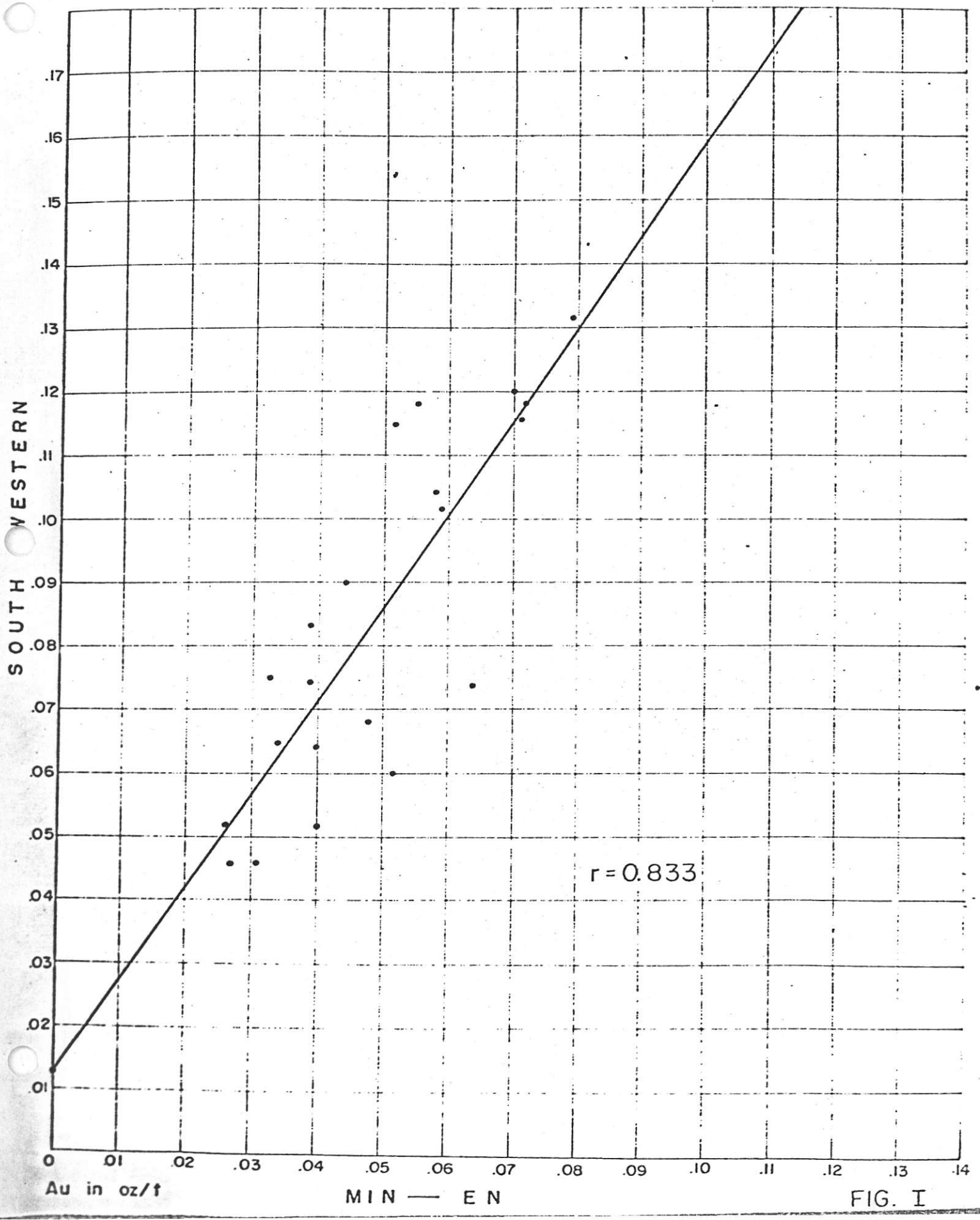


FIG. I

SPECTRONA — ASSAY CORRELATION

Samples 9626 – 41, 4145 – 49

(Metallurgical Sample)

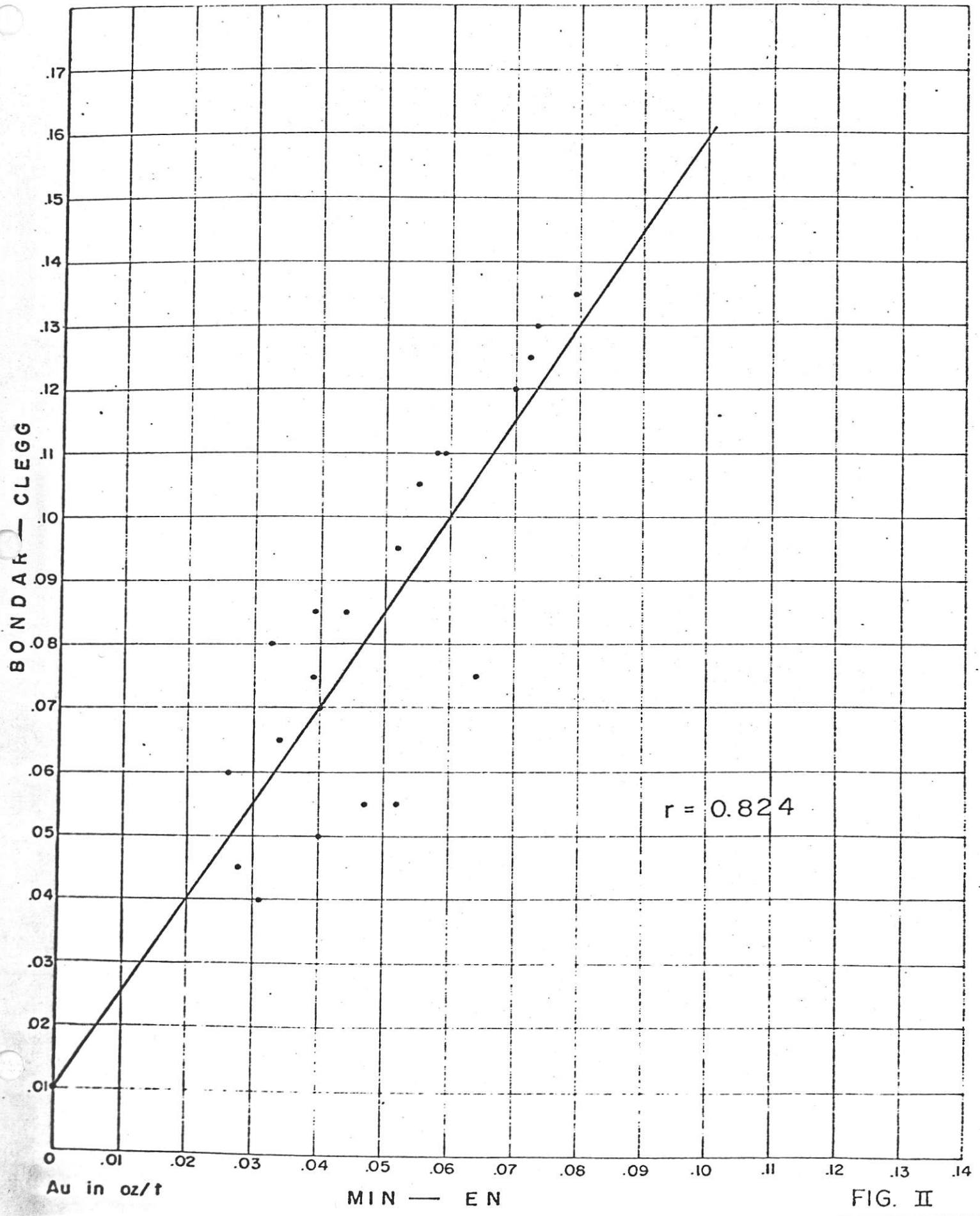
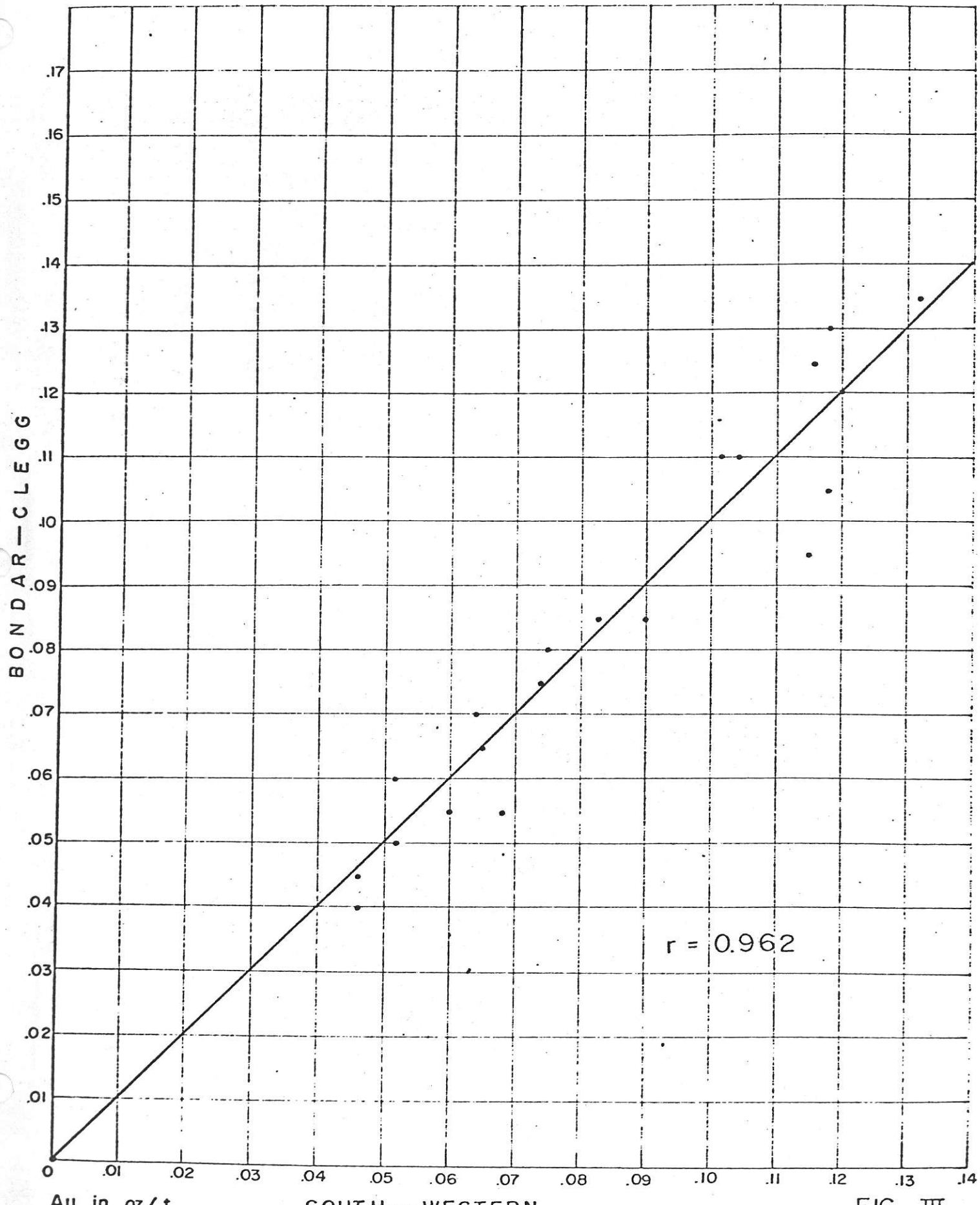


FIG. II

Samples 9626—41, 4145—49

(Metallurgical Sample)



SOUTH — WESTERN

FIG. III

It is readily apparent, both by inspection and by a linear least squares fit, that Bondar-Clegg and Southwestern compare well, and that Min-En is both low and relatively erratic. These results, together with the results of 6 control checks by Loring (Table II) using standard fire plus gravimetric analysis on Bondar-Clegg pulps, indicated that Bondar-Clegg results were reliable and accurate.

TABLE II

Sample #	Bondar-Clegg	Loring #1	Loring #2
QN 51	.075	.060	.070
61	.025	.020	.020
71	.020	.015	.015
81	.030	.040	.030
91	.030	.025	.025
101	trace	.003	.003

Although it appears from the above few results that Bondar-Clegg may have a high bias, the results of some 60 other, later, checks by Loring on Bondar-Clegg pulps show that in general, Bondar-Clegg and Loring produce comparable results. Table III and Figure IV show a comparison of these 60 pairs of assays. Visual and mathematical comparisons show that the results are very similar.

SAMPLE VARIABILITY CHECKS

Core was split with a blade type splitter at the job site. 17 second half split cores were assayed by Bondar-Clegg. The pulps of the first half split core had all been control assayed by Loring, and Table IV and Figure V show these data.

TABLE III

COMPARISON OF ASSAYS ON BONDAR-CLEGG PULPS

SAMPLE #	LORING	BONDAR-CLEGG
QN 56	.060	.060
66	.020	.020
76	.020	.010
86	.030	.040
96	.035	.030
PQ 4004	.045	.035
4014	.020	.010
4022	.040	.040
4027	.050	.060
4034	.020	.025
4048	.055	.065
4056	.050	.050
4060	.120	.13
4069	.020	.025
4073	.100	.12
4081	.020	.025
4089	trace	.020
4096	trace	.010
4143	.020	.020
QN 109	.030	.025
118	.040	.045
128	.020	.020
136	.045	.050
148	.040	.040
162	.040	.040
168	.030	.020
174	.018	.005
175	.103	.090
223	.018	.010
233	.053	.050
239	.020	.010

TABLE III - 2

SAMPLE #	LORING	BONDAR-CLEGG
QN 5885	.085	.080
5898	.060	.045
7152	.038	.020
7166	.050	.040
7176	.043	.035
7882	.050	.030
7892	.083	.065
7902	.060	.070
7909	.115	.13
7918	.020	.010
7928	.055	.050
7941	.023	.010
7949	.040	.035
9612	.063	.075
9622	.043	.050
9642	.028	.025
9652	.040	.035
9662	.063	.070
9672	.043	.040
9682	.033	.025
9692	.023	.015
9702	.085	.085
9712	.030	.025
9722	.063	.060
9732	.015	.010
9743	.015	.010
9752	.018	.010
9958	.010	.015
9966	.018	.010
Arithmetic Average	.042	.040

Least Squares Fit: Slope = +1.06
Loring = X Intercept = -0.004
Correl. Coef. = 0.9530

SPECOGNA ASSAY CORRELATION

60 Samples from 1975 drilling

(See table III for sample numbers).

Check assays on Bondar—Clegg pulps

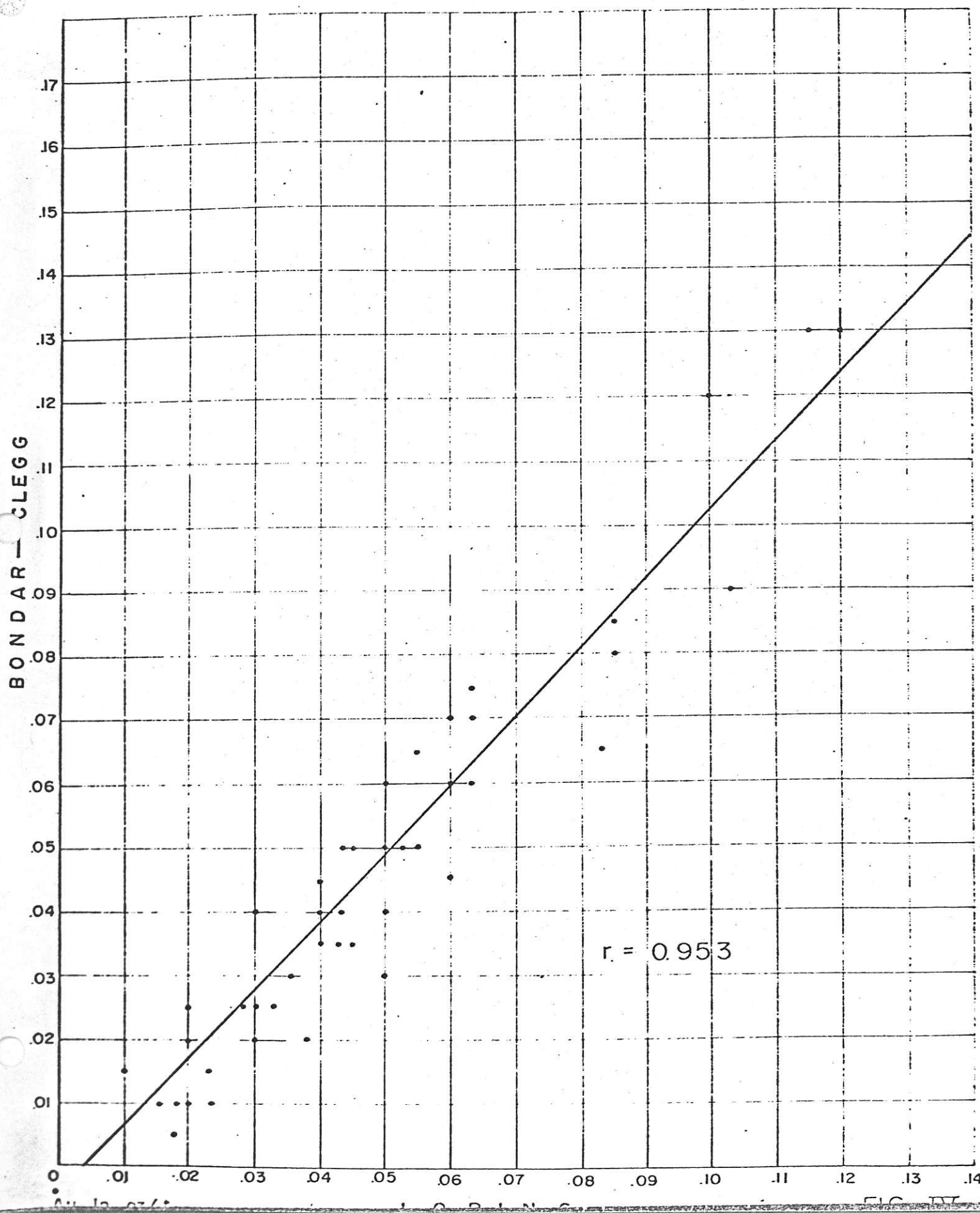


TABLE IV

COMPARISON OF ASSAYS
ON 1ST AND 2ND HALF SPLIT CORE

Sample #	1st HALF		2nd HALF
	Loring Control Average of 2	Bondar-Clegg	Bondar-Clegg
QN 56	.060	.060	.060
66	.020	.020	.020
76	.020	.010	.005
86	.030	.040	.035
96	.035	.030	.025
109	.030	.025	.020
118	.040	.045	.035
128	.020	.020	.015
136	.045	.050	.075
148	.040	.040	.040
162	.040	.040	.035
168	.030	.020	.015
174	.018	.005	.005
175	.103	.090	.120
223	.018	.010	.010
233	.053	.050	.065
239	.020	.010	.010
Arithmetic Average	.037	.033	.035

Least Squares Fit: Slope = 1.32

B-C 1st Half = X Intercept = -.009

B-C 2nd Half = Y Correlation Coefficient = 0.959

SPECOGNA ASSAY CORRELATION

(See table IV for sample numbers)

(Second half split core)

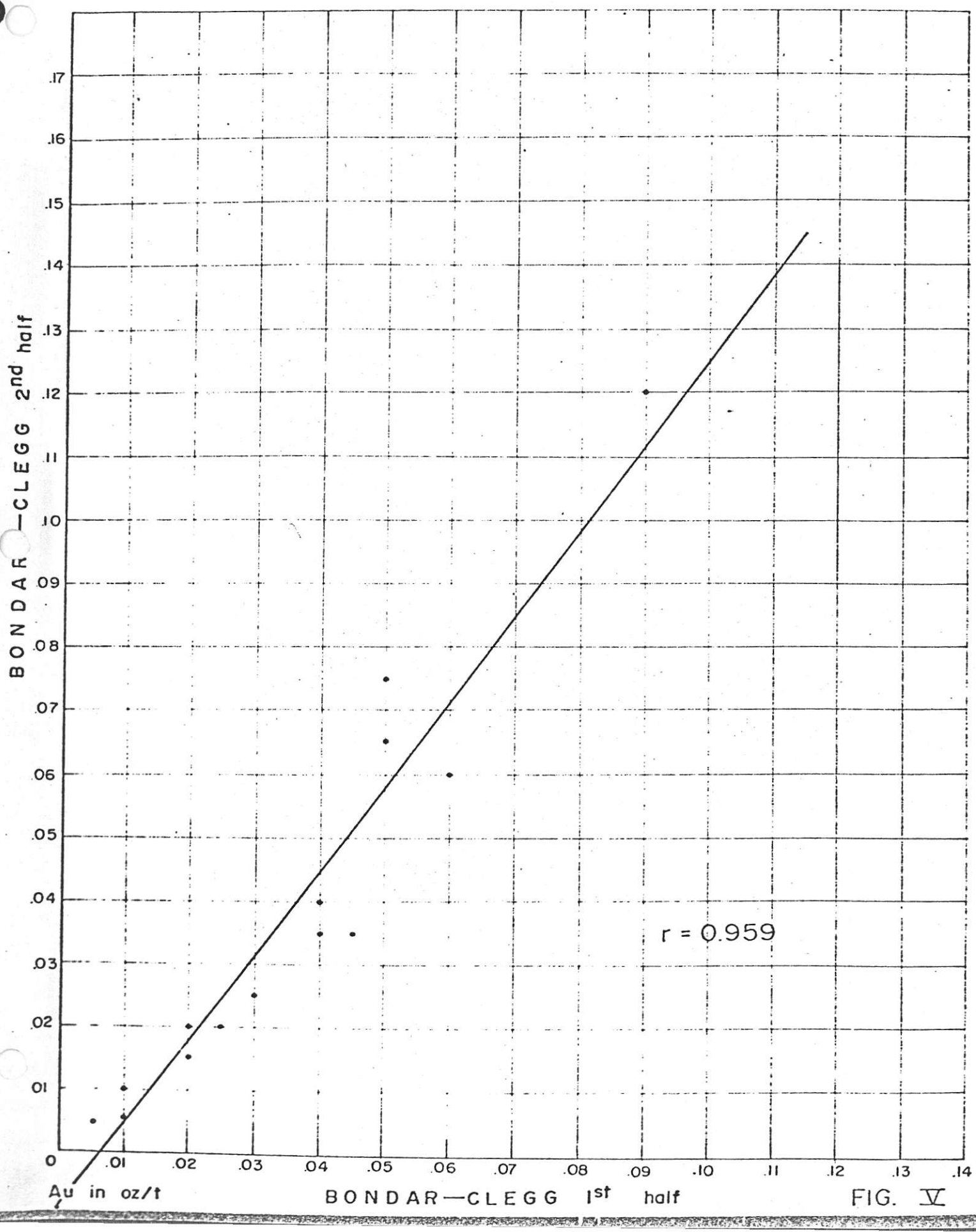


FIG. V

TABLE V

COMPARISON OF ASSAYS
ON INDEPENDENTLY PREPARED PULPS

SAMPLE #	LORING	BONDAR-CLEGG	SAMPLE #	LORING	BONDAR-CLEGG
QN 51	.065	.075	QN 77	.010	.005
52	.050	.051	78	.055	.030
53	.040	.035	79	.020	.020
54	.025	.035	80	.155	.11
55	.030	.025	81	.045	.030
56	.010	.060	82	.035	.015
57	.020	.030	83	.025	.010
58	.155	.14	84	.025	.010
59	.225	.24	85	.035	.035
60	.270	.26	86	.030	.040
61	.025	.025	87	.015	.035
62	.130	.10	88	.035	.025
63	.025	.025	89	.040	.030
64	.030	.035	90	.065	.035
65	.020	.010	91	.040	.030
66	.020	.020	92	.050	.030
67	.035	.030	93	.045	.040
68	.025	.020	94	.045	.030
69	.035	.030	95	.045	.035
70	.025	.020	96	.040	.030
71	.025	.020	97	.035	.030
72	.020	.015	98	.050	.040
73	.020	.015	99	.055	.040
74	.020	.015	100	.060	.040
75	.030	.030	101	.005	trace
76	.015	.010			
			Arithmetic Average	0.048	0.043

Least Squares Fit: Slope = +0.928
Loring = X Axis Intercept = -0.002
Correlation Coefficient = 0.961

SPECOGNA ASSAY CORRELATION

Samples QN 51 through 100

DDH 75-1

Sample preparation check

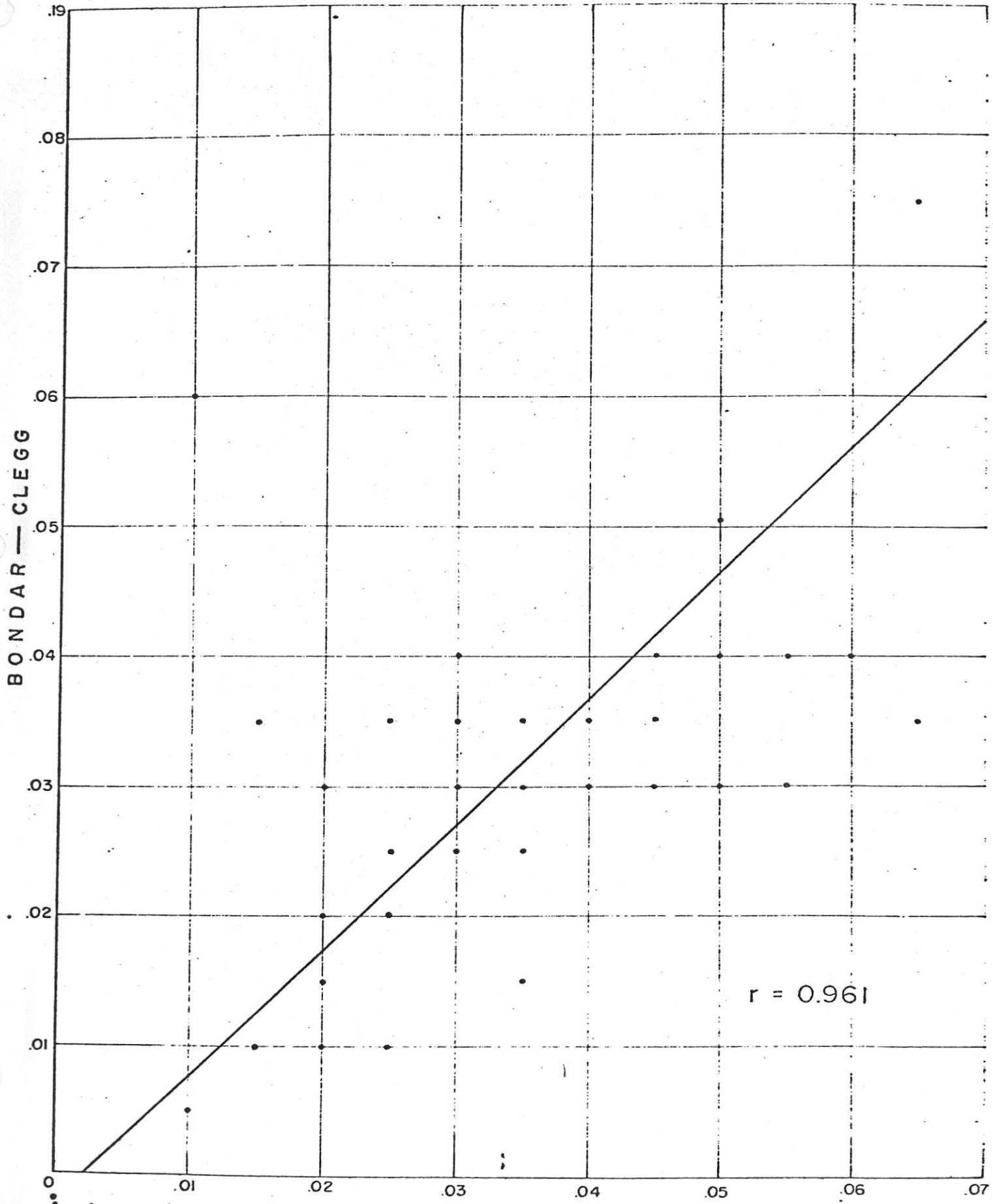


FIG. VI

TABLE VI

COMPILATION OF POLYGON GRADES, FIRST 100'

BLOCK	AREA FT^2	10^6 TONS ABOVE 0.03 OZ/T	GRADE	10^6 TONS x GRADE	10^6 TONS WASTE
K-1	65,000	0.54	0.068	0.037	--
K-2	90,000	0.75	0.071	0.053	--
72-1	120,000	1.00	?0.07?	0.070	--
72-2	110,000	0.37	0.05	0.018	0.55
72-4	100,000	0.58	0.031	0.018	0.25
72-6	60,000	0.50	0.055	0.028	--
72-7	65,000	0.54	0.058	0.031	--
72-8	50,000	--	--	--	0.42
PS-1	50,000	0.42	0.076	0.032	--
PQ-1	70,000	0.29	0.043	0.013	0.29
PQ-2	110,000	0.64	0.043	0.028	0.28
PQ-3	80,000	0.67	0.036	0.024	--
PQ-4	65,000	0.35	0.074	0.026	0.19
PQ-5	110,000	0.91	0.075	0.069	--
PQ-7	200,000	1.08	0.073	0.079	0.58
PQ-8	220,000	1.83	?0.05?	0.092	--
PQ-13	70,000	0.33	0.052	0.017	0.26
75-1	85,000	0.71	0.081	0.057	--
75-2	180,000	0.98	0.057	0.056	0.53
75-3	90,000	0.75	0.044	0.033	--
A	40,000	--	--	--	0.33
B	70,000	0.58	0.39	0.023	--
TOTAL	2,100,000	13.82		0.804	3.68

Average Grade = 0.058 oz. Au/ton

Internal Waste/Ore @ .03 oz/ton cutoff = 1/3.75

Although there appears to be a relative bias here, the similar averages and the high correlation coefficient suggest that the second half split is fairly similar to the first half split. If further drilling is done, further checks of second half split core should be carried out.

SAMPLE PREPARATION CHECK

Samples QN 51 through 101, from DDH 75-1, were originally assayed by Min-En. When it became apparent that Min-En assays were inaccurate, the coarse rejects were sent to Bondar-Clegg and then on to Loring. Both these labs prepared their own pulps, and produced the assays shown in Table V and Figure VI. The slope of the least squares fit line suggests some bias and the averages differ by about 10%, but the line projects through the origin and the correlation coefficient is as high as for Loring assays of Bondar-Clegg pulps. I am inclined to accept the Bondar-Clegg results, as sample preparation techniques for the two labs are identical with one exception; Bondar-Clegg reduces about 450 grams of -10 mesh material to -100 mesh while Loring only reduces 200 grams.

SUMMARY OF ASSAY CHECKS AND REASSAYING

From the above described results, it is clear that South-western,Bondar-Clegg and Loring are capable of assaying Specogna samples, and that the old Min-En assays are inaccurate. As Kennco holes K-1 and K-2 were assayed using Min-En's technique, these assays are suspect. As Cominco assays were standard fire-gravimetric, they are thought to be reliable.

All Quintana samples previously run by Min-En have now been reassayed, as have the Kennco drill hole samples. 3 Cominco samples, all that are available, were checked and found to be accurate. A check on 17 second half split cores indicates that the total sampling technique now in use is probably adequate, but that further second half cores should be assayed if more drilling is done. Bondar-Clegg sample preparation should be checked by re-submitting coarse rejects to them.

MINERAL RESERVE

A mineral reserve has been calculated for that part of the deposit where a significant number of samples have been taken. This calculation includes a 100' thick undulating slab which conforms to the subcrop topography. The results of Quintana surface sampling, percussion drilling, and diamond drilling, together with 2 Kennco core holes and 6 Cominco core holes were used in the calculation. Individual holes or clusters of trenches or combinations of holes and trenches were used to construct polygons. If drill holes penetrated less than 100 vertical feet, values for the hole as drilled were assumed for the rest of the interval. Polygons vary in size from 50,000 ft^2 to 220,000 ft^2, or from 0.42×10^6 tons up to 1.83×10^6 tons for a 100' thick slab. The average polygon contains about 0.8×10^6 tons in a 100' thick slab. It was assumed that any 30 or more continuous feet of sample running less than 0.03 oz/ton could be sorted in a mining operation.

The results of the calculation are as follows:

First 100 Feet

Tons ore @ 0.03 oz/ton cutoff	:	13.8
Grade	:	0.058 oz/T
Tons internal waste	:	3.7
Internal waste/ore	:	0.27/1

Assuming a dip of about 38^{o} to the footwall fault, assuming ore equal to the internal waste within polygons will be found east of the polygons, and assuming a 1:1 overall stipping ratio , the potential of the property is about 50×10^{6} tons. This projection depends on an assumed similarity between the upper 100' and the lower 400' to 700' of the deposit.

As a test of this supposed similarity, all drill information from below the polygons, above the fault, was examined. Of a total of 1295 feet of drill information from below polygons, 700 feet or 54% was ore grade, averaging .046 oz/T. The ratio of internal waste/ore was 0.86/1. The approximate total number of feet of drill and trench information used in calculating the grade and internal waste/ore ratio of the first 100 feet is 3600. While this figure represents three times the amount of assay information available below the first 100', the difference above and below the first 100' is marked, both as to grade and as to the internal waste/ore ratio. Only the results of further drilling below the first 100' will resolve whether the present deep information is a good or a biased sample.

APPENDIX I DRILL LOGS

1972 Cominco Diamond Drill Holes

1974 Quintana Pack Sack Diamond Drill Holes

1974 Quintana Percussion Drill Holes

1975 Quintana Diamond Drill Holes

SPECOGNA DRILL LOGS - 1972

COMINCO DIAMOND DRILL HOLES

Cominco drilled nine diamond drill holes on the property in 1972. (Core diameter 1.35") Since Cominco assayed the complete drill core they took coloured photographs of the core as well as descriptive logs. Copies of these photographic and descriptive logs have been supplied to us by Mr. Specogna. In addition, Cominco has generously given us a copy of assay results for each hole. The assays are fire-assays done in Cominco's lab in Trail, B.C. (personal communication, Ron Nicols, Cominco geologist).

The logs on the following pages were obtained from the photographic logs and were made to show general stratigraphic differences - differences which are believed to be related to gold grades. The nature of the two most distinctive units - a chocolate-brown siltstone and a coarse clastic sequence is given in the text of the report.

Occurrence and intensity of quartz veining, silicification, brecciation and pyrite mineralization are omitted from these logs but are given in the Cominco descriptive logs.

SPECOGNA DRILL LOGS - 1972

COMINCO DIAMOND DRILL HOLES

72-1 - 90°

Footage

6 - 93	Dark grey shale with some breccia containing masset rhyolite fragments at 60' - 80'.
93 - 150	Soft light grey shale.
150 - 177	Pale-grey masset rhyolite.

	Assay Tag No.	Oz/Ton Au
6 - 10	72174	.02
10 - 15	72175	.03
15 - 20	72176	.02
20 - 25	72177	.04
25 - 30	72178	.03
30 - 32.5	72179	.03
32.5 - 35	72180	.03
35 - 40 (10.66 meter)	72181	5 .08
40 - 45	72182	5 .23
45 - 46	72183	1 .49
46 - 47	72184	1 .59
47 - 48.5	72185	1.5 .97
48.5 - 50	72186	1.5 .08
50 - 55	72187	5 .26
55 - 60	72188	5 .18
60 - 65	72189	5 .07
65 - 70	72190	.06
70 - 75	72191	.04
75 - 80	72192	.04
80 - 85 (25.91 m)	72193	.10
85 - 90	72194	.02
90 - 93	72195	.01
93 - 95	70462	.07
95 - 100 (30.48 m)	72196	.01
100 - 105	72197	trace
105 - 110	72198	trace
110 - 115	72199	trace
115 - 120	72200	trace

.16 / 50'

fault ?

fault ?

Footage		Assay Tag No.	Oz/Ton Au
120 - 125		70451	trace
125 - 130		70452	trace
130 - 135		70453	trace
135 - 140		70454	trace
140 - 145		70455	trace
145 - 150		70456	.01
150 - 155		70457	.01
155 - 160		70458	.01
160 - 165		70459	.01
165 - 170		70460	.01
170 - 177	53.94m	70461	.01

SPECOGNA DRILL LOGS - 1972

COMINCO DIAMOND DRILL HOLES

72-2 -90°

Footage

0 - 55	Fine-grained chocolate-brown siltstone and sandstone with very few pebbles.
55 - 115 ± 10'	Blue-grey and brown-grey coarse clastic sequence containing 25% pebbles. Very few felsic pebbles.
115 + 10' - 200	Coarse clastic sequence with 50% pebbles 1/4 to 1/2 of which are felsic. Coarse sandstone bottom 30' contains many felsic sandgrains.

	Assay Tag No.	Oz/Ton Au
12 - 15	70463	trace
15 - 20	70464	trace
20 - 25	70465	trace
25 - 30	70466	.01
30 - 35	70467	.02
35 - 40	70468	.01
40 - 45	70469	.03
45 - 49	70470	.02
49 - 51.5	70471	.01
51.5 - 55	70472	.05
55 - 60	70473	trace
60 - 64	70474	.02
64 - 65	70475	.17
65 - 70	70476	.01
70 - 75	70477	.02
75 - 76	70478	.04
76 - 78	70479	.04
78 - 80	70480	.03
80 - 85	70481	.04
85 - 87	70482	.01
87 - 88	70483	.03
88 - 90	70484	.06
90 - 92	70499	.02
92 - 95 (28.04 m)	70485	3 .10
95 - 99	70486	4 .11
99 - 105	70487	6 .07

Waste : ore

$\frac{182}{18} \times 200 =$

2022

$\frac{.08}{18}$

Footage		Assay Tag No.	Oz/Ton Au
105 - 110	33.5m	70488	S .05
110 - 115		70489	.03
115 - 120		70490	.02
120 - 125		70491	.02
125 - 130		70492	.02
130 - 132		70493	.05
132 - 135		70494	.04
135 - 140		70495	.02
140 - 145		70496	.02
145 - 148		70497	.01
148 - 150		70498	.03
150 - 155		70500	.01
155 - 160		70751	trace
160 - 165		70752	.01
165 - 170		70753	.02
170 - 175		70754	.02
175 - 180		70755	.03
180 - 185		70756	.06
185 - 190		70757	.02
190 - 195		70758	.01
195 - 200	60.96 m	70759	.02

SPECOGNA DRILL LOGS - 1972

COMINCO DIAMOND DRILL HOLES

72-3 -90^{o}

Footage

10 - 111 Fine-grained chocolate-brown siltstone and sandstone with very few pebbles.

111 - 120 Dark grey and light grey coarse clastic sequence made up of sections of pebble conglomerate and fine-grained sediments.
Mainly dark fragments but some felsic ones occur, particularly nearer base of section.

	Assay Tag No.	Oz/Ton Au
10 - 15	70760	.01
15 - 20	70761	trace
20 - 25	70762	trace
25 - 30	70763	trace
30 - 33	70764	trace
33 - 35	70765	trace
35 - 40	70766	trace
40 - 45	70767	.01
45 - 50	70768	.01
50 - 55	70769	.01
55 - 60	70770	.01
60 - 65	70771	.02
65 - 70	70772	trace
70 - 75	70773	trace
75 - 80	70774	.01
80 - 85	70775	.01
85 - 90	70776	.04
90 - 95	70777	.01
95 - 100	70778	.02
100 - 105	70779	.01
105 - 109	70780	trace
109 - 111	70781	trace
111 - 115	70782	.05
115 - 120	70783	.03
120 - 125	70784	.03
125 - 130	70785	.03
130 - 135	70786	.04
135 - 140	70787	.01
140 - 145	70788	.02
145 - 147	70789	.03
147 - 149	70790	.09
149 - 152	70791	.03
152 - 155	70792	.03

Footage	Assay Tag No.	Oz/Ton Au
155 - 160	70793	.04
160 - 165	70794	.04
165 - 170	70795	.03
170 - 175	70796	.02
175 - 180	70797	.03
180 - 185	70798	.03
185 - 188	70799	.01
188 - 192	70800	.01
192 - 196	71751	.01
196 - 200	71752	.01
200 - 205	71753	trace
205 - 210 64.0m	71754	.01

SPECOGNA DRILL LOGS - 1972

COMINCO DIAMOND DRILL HOLES

72-4 -90°

Footage

4 - 113±	Fine-grained chocolate-brown siltstone and sandstone with several sections of pebble conglomerate particularly from 4-15, sporadically from 15 - 40, partucularly 40 - 47 and 95 - 113±
113 - 202.5	Blue-grey ± chocolate-brown coarse clastic sequence with 30% pebbles 1/2 of which are felsic.

		Assay Tag No.	Oz/Ton Au
4 - 10	1.22 m	71755	.04
10 - 15		71756	.03
15 - 20	6.09 m	71757	.06
20 - 25		71758	.01
25 - 30		71759	trace
30 - 35		71760	.01
35 - 40	10.66 m	71761	.06
40 - 45	13.7 m	71762	.06
45 - 50		71763	.02
50 - 55		71764	.02
55 - 60		71765	.02
60 - 65		71766	.04
65 - 70		71767	.03
70 - 75		71768	.01
75 - 80		71769	.01
80 - 85		71770	.01
85 - 90		71771	.01
90 - 95		71772	.01
95 - 100		71773	.02
100 - 105		71774	.04
105 - 110		71775	.02
110 - 114	33.5 m	71776	.03
114 - 117		71777	.06
117 - 120	36.6 m	71778	.03
120 - 125		71779	.02
125 - 129		71780	.01
120 - 130		71781	.01
130 - 135		71782	.01
135 - 139		71783	.02
139 - 141		71784	.02
141 - 143		71785	.02
143 - 146		71786	.02
146 - 150		71787	.02
150 - 155		71788	.01

Footage		Assay Tag No.	Oz/Ton Au
155 - 160		71789	.03
160 - 165		71790	.02
165 - 170		71791	.02
170 - 175		71792	.02
175 - 180	53.3m	71793	.06
180 - 185		71794	.02
185 - 187	57.0m	71795	.04
187 - 192		71796	.01
192 - 195		71797	.02
195 - 200		71798	.02
200 - 202.5	61.72m	71799	.01

SPECOGNA DRILL LOGS - 1972

COMINCO DIAMOND DRILL HOLES

72-5 -90°

Footage

4 - 60	Crumbly (?) grey pebble conglomerate
60 - 120	Fine-grained chocolate-brown ± pale-grey siltstone and sandstone with few pebbly sections.
120 - 145	As above only slightly coarser with 10% ghostly fragments 1/2" wide.
145 - 162	Coarse-clastic sequence primarily pebble conglomerate with felsic and mafic fragments.

	Assay Tag No.	Oz/Ton Au
4 - 10	71801	.01
10 - 14	71802	.01
25 - 30	71803	trace
30 - 35	71804	trace
35 - 40	71805	trace
40 - 45	71806	trace
45 - 50	71807	trace
50 - 55	71808	trace
55 - 61	71809	trace
61 - 65	71810	.01
65 - 70	71811	.01
70 - 75	71812	.01
75 - 80	71813	.01
80 - 82	71814	.01
82 - 84.5	71815	.01
84.5 - 90	71816	.02
90 - 95	71817	.01
95 - 100	71818	.01
100 - 105	71819	.02
105 - 110	71820	.01
110 - 115	71821	.01
115 - 120	71822	.02
120 - 125	71823	.01
125 - 130	71824	.03
130 - 135	71825	.01
135 - 140	71826	.02
140 - 145	71827	.01
145 - 150	71828	.03
150 - 155	71829	.02
155 - 162	71830	.01

SPECOGNA DRILL LOGS - 1972

COMINCO DIAMOND DRILL HOLES

72-6 -90^{o}

Footage

16 - 78 Coarse clastic sequence with much pebble conglomerate. Dark siltstone and coarse sandstone occur near top. Mostly mafic fragments with few felsic fragments.

Footage		Assay Tag No.	Oz/Ton Au
16 - 19		71832	.18
19 - 21		71833	.18
21 - 25		71834	.05
25 - 30		71835	.03
30 - 35		71836	.03
35 - 38		71837	.07
38 - 40		71838	.03
40 - 45		71839	.02
45 - 50		71840	.02
50 - 55		71841	.04
55 - 60		71842	.07
60 - 65		71843	.03
65 - 70		71844	.02
70 - 73		71845	.03
73 - 78	23.77m	71846	.06

SPECOGNA DRILL LOGS - 1972

COMINCO DIAMOND DRILL HOLES

72-7 -90°

Footage

4 - 200 Coarse clastic sequence with much pebble conglomerate and minor siltstone-sandstone. Mafic fragments to 95' where felsic fragments become common (10% of total fragments) increasing with depth to 1/2 of total fragments by bottom of hole.

	Assay Tag No.	Oz/Ton Au
4 - 10	72751	.04
10 - 15	72752	.16
15 - 20	72753	.11
20 - 25	72754	.07
25 - 27	72755	.04
27 - 30	72756	.03
30 - 35	72757	.03
35 - 37	72758	.06
39 - 45	72759	.04
45 - 50	72760	.03
50 - 54	72761	.01
54 - 57	72762	.07
57 - 60	72763	.06
60 - 64	72764	.03
64 - 68	72765	.04
68 - 72	72766	.03
72 - 75	72767	.02
75 - 80	72768	.03
80 - 85	72769	.03
85 - 90	72770	.04
90 - 95	72771	.03
95 - 100	72772	.03
100 - 105	72773	.05
105 - 110	72774	.04
110 - 115	72775	.02
115 - 120	72776	.01
120 - 125	72777	.05
125 - 130	72778	.03
130 - 135	72779	.01
135 - 140	72780	.01
140 - 145	72781	.02
145 - 150	72782	.02
150 - 155	72783	.02

Footage	Assay Tag No.	Oz/Ton Au
155 - 160	72784	.02
160 - 165	72785	.02
165 - 170	72786	.03
170 - 175	72787	.02
175 - 180	72788	.01
180 - 185	72789	.02
185 - 190	72790	.01
190 - 195	72791	.01
195 - 200	72792	.02

SPECOGNA DRILL LOGS - 1972

COMINCO DIAMOND DRILL HOLES

72-8 -90°

Footage		Assay Tag No.	Oz/Ton Au
8 - 200	Coarse clastic sequence with pebble conglomerate and many sections of siltstone-sandstone. At 50' felsic fragments become common and occur to bottom of hole where they make up 50% of fragments.		
8 - 10		72801	.01
10 - 15		72802	.02
15 - 20		72803	.01
20 - 25		72804	.04
25 - 30		72805	.01
30 - 35		72806	.06
35 - 40		72807	.03
40 - 45		72808	.03
45 - 50		72809	.02
50 - 55		72810	.03
55 - 60		72811	.02
60 - 65		72812	.01
65 - 70		72813	.02
70 - 76		72814	.01
76 - 82		72815	.01
82 - 85		72816	.03
85 - 90		72817	.04
90 - 95		72818	.01
95 - 100		72819	.02
100 - 105		72820	.01
105 - 110		72821	.02
110 - 115		72822	.02
115 - 120		72823	.03
120 - 123		72824	.02
123 - 126		72825	.03
126 - 128		72826	.01
128 - 130		72827	.02
130 - 135		72828	.01
135 - 140		72829	.02
140 - 145		72830	.02
145 - 150		72831	.02
150 - 155		72832	.02
155 - 157		72833	.04
157 - 160		72834	.02
160 - 165		72835	.02
165 - 170		72836	.01
170 - 175		72837	.04

Footage	Assay Tag No.	Oz/Ton Au
175 - 180	72838	.03
180 - 182	72839	.02
182 - 184	72840	.02
184 - 185	72841	.02
185 - 190	72842	.02
190 - 195	72843	.02
195 - 200	72844	.01

SPECOGNA DRILL LOGS - 1972

COMINCO DIAMOND DRILL HOLES

72-9 -90°

Footage

73 - 202 Coarse clastic sequence of pebble conglomerate and minor siltstone-sandstone.
0 - 90' mixed sections of fine-grained sediments and pebble conglomerate.
90 - 125' mainly pebble conglomerate but very few felsic fragments.
125 - 202 very rich in felsic fragments.

	Assay Tag No.	Oz/Ton Au
73 - 80	72845	trace
80 - 84	72846	.01
84 - 90	72847	trace
90 - 95	72848	trace
95 - 100	72849	.01
100 - 105	72850	.02
105 - 110	72851	.02
110 - 115	72852	.03
115 - 120	72853	.02
120 - 125	72854	.01
125 - 128	72855	trace
128 - 132	72856	trace
132 - 137	72857	trace
137 - 139	72859	trace
139 - 145	72858	.01
145 - 150	72860	trace
150 - 155	72861	trace
155 - 160	72862	trace
160 - 165	72863	trace
165 - 170	72864	trace
170 - 175	72865	trace
175 - 180	72866	trace
180 - 185	72867	trace
185 - 190	72868	trace
190 - 195	72869	trace
195 - 202	72870	trace

SPECOGNA DRILL LOGS - 1974

PACK SACK DIAMOND DRILL HOLES

PS 1 070^{o}, -30^{o}

Footage

0 - 2.1	Qtz vein. Banding 35 - 60^{o} to C.A. Vuggy with qtz crystals lining vugs. Some limonite and leached sulphides. Total vugs: original & leached 5%.
2.1 - 4.3	Siliceous hornfels. Bottom 0.2' is definite sandstone. Above are several narrow qtz veins - $<$.01' wide. Above this is f.g. sediment-pale grey and somewhat oxidized.
4.3 - 5.7	Qtz vein. Banding 60^{o} to C.A.
5.7 - 14.2	Mainly f.g. dark grey to black hornfelsed shale to siltstone with some very silicified pale grey hornfels. $<$.5% py $\pm$ with much limonite along hairline fracture.
14.2 - 21.6	Qtz rich section containing numerous veins $<$.01' wide and 3 or 4 sections of qtz rich breccia. Pyrite 1 - 2% occurs as f.g. blebs, smears. Included hornfels sections are dark grey and pale grey f.g. siltstones and shales.
21.6 - 25.7	Dark grey hornfels siltstones and sandstones. 22.0 - 22.4' - qtz vein 60 - 70^{o} to C.A.
25.7 - 26.8	Two qtz veins 1 @ 60 - 70^{o} to C.A., other @ 20^{o} to C.A. 10% vuggy limonite.
26.8 - 35.9	Coarser sandstone and pebble conglomerate with many qtz. veinlets $<$.01'
35.9 - 37.7	Qtz vein @ 25^{o} to C.A. Limonitic vugs form 15% of rock.
37.7 - 50.0	Dark grey and pale grey siliceous f.g. sediments with few pebbles. Much of section is well silicified and brecciated hornfels. Many qtz veinlets 1 - 2% pyrite occurs along fractures, as disseminations and blebs, some with quartz veins, and some as rims on fragments.

Overall recovery $\gg$ 90% and probably $>$ 95%.

	Assay Tag No.	Oz/Ton Au - Min-En		Oz/Ton Au - Bondar-Clegg	
0 - 5	5880	.020		.025	
5 - 10	5881	.046		.055	
10 - 15	5882	.039		.045	
15 - 20	5883	.089		.085	
20 - 25	5884	.057		.060	
25 - 30	5885	.070	.058	.080	.062
30 - 35	5886	.062		.065	
35 - 40	5887	.082		.100	
40 - 45	5888	.076		.065	
45 - 50	5889	.038		.035	

SPECOGNA DRILL LOGS - 1974

PACK SACK DIAMOND DRILL HOLES

PS 2 070°, -30°

Footage

0 - 52.0 Masset porphyritic rhyolite with 1 - 3% qtz phenos and 2 - 5% pldg phenos. Plagioclase more or less altered throughout to soft clay minerals. Rock is pale, creamy grey where fresh. About 1/4 of the first 20' is iron stained. Below this iron stain is rare. Flow banding (?) occurs sporadically throughout at 55° to C.A.
Qtz veins are common throughout. Larger ones are .02' to .05' wide and spaced 2 to 4 feet apart. More numerous fracture fillings of qtz ± pyrite occur in almost all samples - in some samples as a fine stockwork. No visible Au. Few short fractures of pyrite in some qtz veins.

52.0 - 54.0 Shale hornfels with fine pyrite and fine qtz veins.

Recovery of first 25' is about 60%.
Last 29' is about 80%.

	Assay Tag No.	Oz/Ton Au - Min-En		Oz/Ton Au - Bondar Clegg	
0 - 5	9951	.006		.005	
5 - 10	9952	.110		.15	
10 - 15	9953	.114		.010	.058
15 - 20	9954	.024		.035	
20 - 25	9955	.051		.045	
25 - 30	9956	.062		.010	
30 - 35	9957	.006	.038	.015	
35 - 40	9958	.005		.015	
40 - 45	9959	.007		.010	.023
45 - 50	9960	.027		.060	
50 - 54	9961	.010		.015	

SPECOGNA DRILL LOGS - 1974

PACK SACK DIAMOND DRILL HOLES

PS 3 070°, -30°

Footage

0 - 40.0 Masset pophyritic rhyolite as per PS 2

Overall recovery is poor: 50 - 70%.
Last 5' not assayed as only .1' recovered.
25' - 35' recovery 80%

	Assay Tag No.	Oz/Ton Au - Min-En		Oz/Ton Au - Bondar Clegg
0 - 5	9962	.008		.01
5 - 10	9963	.010		.01
10 - 15	9964	.007	.009	.01
15 - 20	9965	.006		.01
20 - 25	9966	.008		.01
25 - 30	9967	.014		.005
30 - 35	9968	.009		.01

SPECOGNA DRILL LOGS - 1974

PACK SACK DIAMOND DRILL HOLES

PS 4 270°, -30°

Footage

0 - 11.7 Siltstone with minor sandstone. 1 - 5% carbonaceous fragments indicate weak bedding about 45% to C.A.
Qtz veins .1' @ 3.4'
.05' @ 4.3'
.6' @ 4.4 to 5.0'
.02 @ 6.1'

11.7 - 47.0 Pebble conglomerate with > 50% pebbles throughout. Pebbles are mainly porphyrite andesite with phenos of plag. and hornblende (some of which are altered to epidote and chlorite). Pebbles all well rounded. Few are siltstone. Matrix is siltstone (no sand) with 5% carbonaceous material. Pebbles are floating in siltstone. Pyrite occurs disseminated (minor fracture) in pebbles and some is associated with mafic phenos. Pyrite content variable from 0 to 10% but overall is 5%. Some pebbles have several concentric rings of malnikovite parallel to pebble outline making up 20 - 40% of pebble volume. Several qtz veins about .05' wide occur every foot or so. Major qtz veins at 31.0' - 32.9'; 40.0 - 41.2' 46.0 - 47.0
Overall recovery ≫ 90% and probably > 95%

	Assay Tag No.	Oz/Ton Au - Min-En		Oz/Ton Au - Bondar Clegg	
0 - 5	5890	.026		.030	
5 - 10	5891	.036		.040	
10 - 15	5892	.061		.065	
15 - 20	5893	.100		.100	
20 - 25	5894	.190	.084	.200	.084
25 - 30	5895	.156		.140	
30 - 35	5896	.080		.070	
35 - 40	5897	.073		.065	
40 - 45	5898	.040		.045	
45 - 47	5899	.079		.080	

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #1

Footage	
0 - 3	Overburden
3 - 10	10% qtz; 20% dark hornfels; 40% medium gray hornfels; 40% oxidized fragments; 5% fine grained pyrite
10 - 20	10% qtz; 20% dark hornfels; 40% medium gray hornfels; 40% oxidized fragments; 5% fine grained pyrite
20 - 30	20% qtz. with 1% fine grained pyrite; 60% hornfels with 5% fine grained pyrite; 20% oxidized fragments
30 - 40	20% qtz with 1% fine grained pyrite; 60% hornfels with 5% fine grained pyrite; 20% oxidized fragments
40 - 50	30% qtz; 40% hornfels with 5% pyrite; 30% oxidized fragments
50 - 60	80% distinctly darker hornfels (shale) with 2% fine grained diss pyrite; 5% qtz; 15% oxidized fragments
60 - 150	80% distinctly darker hornfels (shale) with 2% fine grained diss pyrite; 5% qtz; 15% oxidized fragments; fine grained sandstone; 5% qtz maximum

	Assay Tag No.	Oz/Ton Au - Min-En		Oz/Ton Au - Bondar Clegg	
3 - 10	4001	.044		.045	
10 - 20	4002	.035	47'	.025	47'
20 - 30	4003	.057	.042	.055	.040
30 - 40	4004	.034		.035	
40 - 50	4005	.042		.042	
50 - 60	4006	.020		.025	
60 - 70	4007	.014		.015	
70 - 80	4008	.012		.015	
80 - 90	4009	.027	100'	.035	100'
90 - 100	4010	.015	.014	.015	.016
100 - 110	4011	.017		.025	
110 - 120	4012	.011		.015	
120 - 130	4013	.008		.010	
130 - 140	4014	.008		.010	
140 - 150	4015	.007		.010	

Avg.147' of .023

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #2

Footage

0 - 8	Overburden
8 - 20	90% dark hornfels with 1% fine grained diss pyrite (sandstone). 10% oxidized fragments
20 - 30	mixed: 45% dark and 45% light grey hornfels. 10% oxidized fragments
30 - 40	10% qtz; 80% medium and light gray hornfels (sandstone); 5% dark hornfels (sandstone); 5% oxidized fragments
40 - 90	10% qtz; 80% medium and light gray hornfels (sandstone); 5% dark hornfels (sandstone); 5% oxidized fragments; 10% to 20% qtz.

	Assay Tag No.	Oz/Ton Au - Min-En		Oz/Ton Au - Bondar Clegg	
8 - 20	4016	.001	22'	Tr	
20 - 30	4017	.009	.005	.010	22', .005
30 - 40	4018	.044		.050	
40 - 50	4019	.051		.055	
50 - 60	4020	.030	60'	.040	60'
60 - 70	4021	.023	.036	.030	.043
70 - 80	4022	.037		.040	
80 - 90	4023	.029		.040	

Avg. 82' of .028 (Min-En)
Avg. 82' of .033 (Bondar-Clegg)

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #3

Footage

0 - 8 Overburden

9 - 90 all samples similar - light to medium grey hornfels (sandstone) with up to 5% fine grained diss pyrite; 5 - 15% qtz. fragments; 5 - 10% fragments are oxidized

	Assay Tag No.	Oz/Ton Au - Min-En			Oz/Ton Au - Bondar Clegg	
8 - 20	4024	.003			.003	
20 - 30	4025	.048	40' .045		.025	
30 - 40	4026	.047			.045	
40 - 50	4027	.058		70' .037	.060	70' .036
50 - 60	4028	.037			.065	
60 - 70	4029	.022	30' .022		.025	
70 - 80	4030	.024			.035	
80 - 90	4031	.020			.025	

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #4

Footage	
0 - 3	Overburden
3 - 20	Medium grey hornfels (sandstone) with up to 2% pyrite; 10 - 20% qtz. fragments are oxidized
20 - 70	Light grey and creamy white hornfels (lighter near top 20'?±) with up to 2% pyrite. 20 - 30% qtz fragments; 5 - 10% fragments are oxidized. Slight fine grained porphyritic texture near bottom?

	Assay Tag No.	Oz/Ton Au - Min-En	Oz/Ton Au - Bondar Clegg
3 - 10	4032	.021	.030
10 - 20	4033	.018	.050
20 - 30	4034	.019	.025
30 - 40	4035	.016	.020
40 - 50	4036	.017	.025
50 - 60	4037	.006	.015
60 - 70	4038	.023	.025

Avg. 67' of .017 (Min-En)
Avg. 67' of .027 (Bondar-Clegg)

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #4A

Footage

0 - 10	Overburden
10 - 30	Medium grey hornfels (sandstone) with 2% diss pyrite. 10 - 15% qtz fragments; 10% fragments are oxidized
30 - 90	Light grey hornfels with some creamy white hornfels (real? or contamination?); 2 - 3% diss pyrite; 5% qtz fragments; unoxidized
90 - 135	Medium grey hornfels with 4% diss pyrite; 5% qtz fragments; unoxidized. Slight fine grained porphyritic texture bottom 50' ±.

	Assay Tag No.	Oz/Ton Au - Min-En		Oz/Ton Au - Bondar Clegg	
10 - 20	4039	.025		.030	
20 - 30	4040	.020		.030	
30 - 40	4041	.012	60'	.010	60'
40 - 50	4042	.012	.014	.015	.018
50 - 60	4043	.005		.010	
60 - 70	4044	.011		.015	
70 - 80	4045	.043		.055	
80 - 90	4046	.029		.040	
90 - 100	4047	.056	65'	.070	65'
100 - 110	4048	.053	.069	.065	.084
110 - 120	4049	.164		.170	
120 - 130	4050	.092		.110	
130 - 135	4051	.026		.035	

Avg. 125' of .042 (Min-En)
Avg. 125' of .052 (Bondar-Clegg)

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #5

Footage

0 - 3	Overburden
3 - 20	Contaminated. Sample ? Fragments are: 60 - 80% dark hornfels (?) with trau pyrite; 5% qtz; 15 - 35% medium grey hornfels about 1/2 of which are oxidized. Minor breccia.
20 - 140	Medium grey hornfels (sandstone) with some carbonaceous material. with 10% fine grained diss pyrite; 10 - 20% qtz fragments; some breccia; 10% oxidized fragments. Bottom 60' from 80 - 140 contains some dark hornfels

	Assay Tag No.	Oz/Ton Au - Min-En			Oz/Ton Au - Bondar Clegg		
3 - 10	4052	.001	17'		Tr		
10 - 20	4053	.001	.001		.002		
20 - 30	4054	.061			.065		
30 - 40	4055	.047			.060		
40 - 50	4056	.047		90'	.050	90'	
50 - 60	4057	.040		.069	.050	.079	
60 - 70	4058	.037			.045		
70 - 80	4059	.041	120'		.055		assume
80 - 90	4060	.118	.065		.13		120'
90 - 100	4061	.152			.16		.075
100 - 110	4062	.082			.10		
110 - 120	4063	.059			missing		
120 - 130	4064	.048			"		
130 - 140	4065	.052			"		

Avg. 137' of .054

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #6

Footage

0 - 10	Overburden
10 - 60	Medium grey hornfels - sandstone with minor wood and shell fragments 60% fragments are oxidized; unoxidized fragments contain 5 - 10% pyrite; 20% qtz fragments.

	Assay Tag No.	Oz/Ton Au - Min-En	Oz/Ton Au - Bondar Clegg
10 - 20	4066	.022	.030
20 - 30	4067	.022	.030
30 - 40	4068	.016	.020
40 - 50	4069	.018	.025
50 - 60	4070	.035	.040

Avg. 50' of .023 (Min-En)
Avg. 50' of .029 (Bondar-Clegg)

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #7

Footage	
0 - 15	Overburden
15 - 60	Medium grey hornfels - sandstone with minor carbonaceous material and 5 - 10% diss pyrite; 5 - 10% fragments are oxidized; 5 - 15% fragments are qtz.
60 - 100	Medium grey hornfels - sandstone with minor carbonaceous material and 5 - 10% diss pyrite; 50% of fragments are oxidized; 30% qtz.
100 - 120	No samples
120 - 150	Medium grey hornfels - sandstone with minor carbonaceous material and 5 - 10% diss pyrite; 5 - 10% fragments are oxidized; 5 - 15% fragments are qtz.

	Assay Tag No.	Oz/Ton Au - Min-En		Oz/Ton Au - Bondar Clegg	
15 - 30	4071	.046		.050	
30 - 40	4072	.015		.020	
40 - 50	4073	.092	65'	.120	65'
50 - 60	4074	.081	.064	.085	.073
60 - 70	4075	.118		.130	
70 - 80	4076	.039		.045	
80 - 90	4077	.024		.030	
90 - 100	4078	.021		.030	
100 - 110	4079	.015		.020	
110 - 120	4080	.020	70'	.025	70'
120 - 130	4081	.021	.020	.025	.026
130 - 140	4082	.020		.025	
140 - 150	4083	.019		.025	

Avg. 135' of .041 (Min-En)
Avg. 135' of .049 (Bondar-Clegg)

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #8

Footage

0 - 10	Overburden
10 - 80	Masset qtz porphyry with 1 - 5% qtz fragments. Most fragments have slight yellowish tinge. One qtz fragment from 40 - 50' contains grain of native gold.

	Assay Tag No.	Oz/Ton Au - Min-En	Oz/Ton Au - Bondar Clegg
10 - 20	4084	.003	.003
20 - 30	4085	.004	.020
30 - 40	4086	.117	.13
40 - 50	4087	.107	.18
50 - 60	4088	.007	.065
60 - 70	4089	.005	.020
70 - 80	4090	.006	.005

Avg. 70' of .036 (Min-En)
Avg. 70' of .060 (Bondar-Clegg)

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #9

Footage

0 - 9	Overburden
9 - 60	Contaminated Masset qtz porphyry with 5% qtz and 10% foreign (?) dark grey hornfels fragments.
60 - 80	Poor recovery - approximate contact of above with below.
80 - 110	"Unmetamorphosed" shale. No qtz. No. sulphide. Soft - only fine-grained material recovered - larger fragments probably disintegrated. Slight contamination?

	Assay Tag No.	Oz/Ton Au - Min-En	Oz/Ton Au - Bondar Clegg
9 - 20	4091	.004	.005
20 - 30	4092	.008	.005
30 - 40	4093	.006	.010
40 - 50	4094	.012	.015
50 - 60	4095	.009	.010
60 - 70	4096	.010	.010
70 - 80	4097	.005	.010
80 - 90	4098	.005	.005
90 - 100	4099	.003	.005
100 - 110	4100	.003	.003

Avg. 101' of .006 (Min-En)
Avg. 101' of .008 (Bondar-Clegg)

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #10A

Footage	
0 - 60	Overburden
60 - 90	Hornfels: sandstone with 3 - 5% pyrite and no quartz

Footage	Assay Tag No.	Oz/Ton Au - Min-En
60 - 70	4110	.001
70 - 80	4111	.001
80 - 90	4112	.001

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #11

Footage	
0 - 10	Overburden
10 - 110	Masset qtz porphyry containing about 1% qtz (veins). Trace pyrite throughout. Sample uncontaminated but may be overburden.
110 - 150	Contaminated sandstone. 50% fragments are Masset qtz porphyry probably derived from above. Other 50% fragments are sandstone with 1 - 2% pyrite and < 1% qtz veinlets.

	Assay Tag No.	Oz/Ton Au - Min-En
10 - 20	4113	.002
20 - 30	4114	.002
30 - 40	4115	.003
40 - 50	4116	.002
50 - 60	4117	.001
60 - 70	4118	.001
70 - 80	4119	.001
80 - 90	4120	.002
90 - 100	4121	.001
100 - 110	4122	.001
110 - 120	4123	.001
120 - 130	4124	.001
130 - 140	4125	.001
140 - 150	4126	.001

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #12

Footage	
0 - 10	Overburden
10 - 150	Unoxidized Masset qtz porphyry (?) with 5% dark hornfels fragments probably from contamination of overburden. Contamination decreases with depth to 1 - 2%. 1 - 2% pyrite occurs as disseminations and as crystals along fractures. 30% of fragments display pale green argillic (?) alteration. Qtz eyes are rare but pale colour of fragments indicates rock type. Qtz fragments about 1%.

	Assay Tag No.	Oz/Ton Au - Min-En
10 - 20	4127	.001
20 - 30	4128	.001
30 - 40	4129	.004
40 - 50	4130	.002
50 - 60	4131	.002
60 - 70	4132	.002
70 - 80	4133	.001
80 - 90	4134	.001
90 - 100	4135	.004
100 - 110	4136	.005
110 - 120	4137	.025
120 - 130	4138	.003
130 - 140	4139	.002
140 - 150	4140	.003

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #13

Footage

0 - 20	Overburden
20 - 112	Hornfels: Sandstone with wood and carbonaceous fragments contains 5% diss pyrite. Qtz fragments 10 - 15%. Oxidized fragments decreases from 40% at top of hole to 10% at bottom. Minor breccia fragments occur throughout.

	Assay Tag No.	Oz/Ton Au - Min-En		Oz/Ton Au - Bondar Clegg	
20 - 30	4141	.011		.015	
30 - 40	4142	.010	40'	.015	40'
40 - 50	4143	.015	.015	.020	.019
50 - 60	4144	.022		.025	
60 - 70	4145	.052		.055	
70 - 80	4146	.063		.075	
80 - 90	4147	.031	52'	.040	52'
90 - 100	4148	.046	.046	.055	.052
100 - 110	4149	.040		.050	
110 - 112	4150	.027		.035	

Avg. 92' of .032 (Min-En)
Avg. 92' of .043 (Bondar-Clegg)

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #14

Footage

0 - 100	Overburden

	Assay Tag No.	ppm Au
90 - 100	4156	.001

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #15

Footage		Assay Tag No.	ppm Au
0 - 150	Overburden		
140 - 150		4166	.001

SPECOGNA DRILL LOGS - 1974

PERCUSSION DRILL HOLES

PQ #16

Footage		Assay Tag No.	ppm Au
0 - 150	Overburden		
140 - 150		4175	.001

APPENDIX II Assay Correlation Sheets

1971 Kennco Diamond Drill Holes

1972 Cominco Diamond Drill Holes

1974 Quintana Percussion Drill Holes

1975 Quintana Diamond Drill Holes

Hole No. K-1

DRILL HOLE ASSAYS

Collar Elev. ≈625 Northing 49,380 Easting 49,290 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	6	Overburden									
6	11*	26385								.020	
11	16	26386								.005	
16	21	26387								.010	
21	26	26388				600				.070	.026
26	31	26389								.070	
31	36	26390								.065	
36	41	26391								.035	
41	46	26392								.080	
46	51	26393								.070	
51	56	26394								.060	
56	61	26395								.070	
61	66	26396								.070	
66	71	26397								.075	
71	76	26398								.075	
76	81	26399								.060	.066

SPECOGNA PROJECT

Hole No. K-2 Core Size:

DRILL HOLE ASSAYS

Collar Elev. 569 Northing 49,502 Easting 49,779 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	5*	KX26351								.11	
5	10	26352								.040	
10	15	26353								.075	
15	20	26354								.11	
20	25	26355								.080	
25	30	26356								.055	
30	35	26357								.030	
35	40	26358								.095	
40	45	26359								.080	
45	50	26360								.080	
50	55	26361								.010	
55	60	26362								.170	
60	65	26363								.075	
65	70	26364				500				.055	.076
70	75	26365								.055	
75	80	26366								.075	
80	85	26367								.090	
85	90	26368								.070	
90	95	26369								.030	
95	100	26370								.025	.057

* → assumed to be 5' intervals

Hole No. 72-1 Core Size:

DRILL HOLE ASSAYS

Collar Elev. 706 Northing 50,179 Easting 48,959 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	6	Overburden				700					
6	10	72174								.02	
10	15	72175								.03	
15	20	72176								.02	
20	25	72177								.04	
25	30	72178								.03	
30	32.5	72179								.03	
32.5	35	72180								.03	35
35	40	72181								.08	
40	45	72182								.23	
45	46	72183								.49	
46	47	72184								.59	
47	48.5	72185								.97	.25/50'
48.5	50	72186								.08	
50	55	72187								.26	
55	60	72188								.18	
60	65	72189								.07	
65	70	72190								.06	
70	75	72191								.04	
75	80	72192								.04	
80	85	72193								.10	
85	90	72194								.02	85 89'
90	93	72195								.01	@
93	95	70462								.07	.10
95	100	72196								.01	
100	105	72197				600				tr	
105	110	72198								tr	
110	115	72199								tr	
115	120	72200								tr	
120	125	70451								tr	
125	130	70452								tr	
130	135	70453								tr	
135	140	70454								tr	
140	145	70455								tr	
145	150	70456								.01	
150	155	70457								.01	
155	160	70458								.01	
160	165	70459								.01	
165	170	70460								.01	
170	177	70461								.01	

Hole No. 72-2

DRILL HOLE ASSAYS

Northing 50,355 Easting 49,514

Collar Elev. 648 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	12	Overburden									
12	15	70463								tr	
15	20	70464								tr	
20	25	70465								tr	
25	30	70466								.01	
30	35	70467								.02	
35	40	70468								.01	
40	45	70469								.03	
45	49	70470				600				.02	.01
49	51.5	70471								.01	
51.5	55	70472								.05	
55	60	70473								tr	
60	64	70474								.02	
64	65	70475								.17	
65	70	70476								.01	
70	75	70477								.02	
75	76	70478								.04	
76	78	70479								.04	
78	80	70480								.03	
80	85	70481								.04	
85	87	70482								.01	
87	88	70483								.03	
88	90	70484								.06	
90	92	70499								.02	
92	95	70485								.10	
95	99	70486								.11	
99	105	70487								.07	
105	110	70488								.05	
110	115	70489								.03	
115	120	70490								.02	
120	125	70491								.02	
125	130	70492								.02	
130	132	70493								.05	
132	135	70494								.04	
135	140	70495								.02	
140	145	70496								.02	
145	148	70497				500				.01	.04
148	150	70498								.03	
150	155	70500								.01	
155	160	70751								tr	
160	165	70752								.01	
165	170	70753								.02	
170	175	70754								.02	
175	180	70755								.03	
180	185	70756								.06	
185	190	70757								.02	

Hole No. 72-2 Core Size:

DRILL HOLE ASSAYS

Collar Elev. 648 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
190	195	70758								.01	
195	200	70759								.02	.02

Hole No. 72-3 Core Size:

DRILL HOLE ASSAYS

Northing 51,008 Easting 48,924

Collar Elev. 716 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	10	Overburden									
10	15	70760				700				.01	.01
15	20	70761								tr	
20	25	70762								tr	
25	30	70763								tr	
30	33	70764								tr	
33	35	70765								tr	
35	40	70766								tr	
40	45	70767								.01	
45	50	70768								.01	
50	55	70769								.01	
55	60	70770								.01	
60	65	70771								.02	
65	70	70772								tr	
70	75	70773								tr	
75	80	70774								.01	
80	85	70775								.01	
85	90	70776								.04	
90	95	70777								.01	
95	100	70778								.02	
100	105	70779								.01	
105	109	70780								tr	
109	111	70781								tr	
111	115	70782				600				.05	.01
115	120	70783								.03	
120	125	70784								.03	
125	130	70785								.03	
130	135	70786								.04	
135	140	70787								.01	
140	145	70788								.02	
145	147	70789								.03	
147	149	70790								.09	
149	152	70791								.03	
152	155	70792								.03	
155	160	70793								.04	
160	165	70794								.04	
165	170	70795								.03	
170	175	70796								.02	
175	180	70797								.03	
180	185	70798								.03	
185	188	70799								.01	
188	192	70800								.01	
192	196	71751								.01	
196	200	71752								.01	
200	205	71753								tr	
205	210	71754								.01	.02

Hole No. 72-4 Core Size:

DRILL HOLE ASSAYS

Northing 50,804 Easting 49,664

Collar Elev. 643 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	4	Overburden									
4	10	71755								.04	
10	15	71756								.03	
15	20	71757								.06	
20	25	71758								.01	
25	30	71759								tr	
30	35	71760								.01	
35	40	71761								.06	
40	45	71762				600				.06	.03
45	50	71763								.02	
50	55	71764								.02	
55	60	71765								.02	
60	65	71766								.04	
65	70	71767								.03	
70	75	71768								.01	
75	80	71769								.01	
80	85	71770								.01	
85	90	71771								.01	
90	95	71772								.01	
95	100	71773								.02	
100	105	71774								.04	
105	110	71775								.02	
110	114	71776								.03	
114	117	71777								.06	
117	120	71778								.03	
120	125	71779								.02	
125	129	71780								.01	
129	130	71781								.01	
130	135	71782								.01	
135	139	71783								.02	
139	141	71784								.02	
141	143	71785				500				.02	.02
143	146	71786								.02	
146	150	71787								.02	
150	155	71788								.01	
155	160	71789								.03	
160	165	71790								.02	
165	170	71791								.02	
170	175	71792								.02	
175	180	71793								.06	
180	185	71794								.02	
185	187	71795								.04	
187	192	71796								.01	
192	195	71797								.02	
195	200	71798								.02	
200	202.5	71799								.01	.03

Hole No. 72-5

DRILL HOLE ASSAYS

Northing 50541 Easting 50,155

Collar Elev. 592 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	4	Overburden									
4	10	71801								.01	
10	14	71802								.01	
25	30	71803								tr	
30	35	71804								tr	
35	40	71805								tr	
40	45	71806								tr	
45	50	71807								tr	
50	55	71808								tr	
55	61	71809								tr	
61	65	71810								.01	
65	70	71811								.01	
70	75	71812								.01	
75	80	71813								.01	
80	82	71814								.01	
82	84.5	71815								.01	
84.5	90	71816								.02	
90	95	71817				500				.01	.01
95	100	71818								.01	
100	105	71819								.02	
105	110	71820								.01	
110	115	71821								.01	
115	120	71822								.02	
120	125	71823								.01	
125	130	71824								.03	
130	135	71825								.01	
135	140	71826								.02	
140	145	71827								.01	
145	150	71828								.03	
150	155	71829								.02	
155	162	71830								.01	.02

Hole No. 72-6 Core Size:

DRILL HOLE ASSAYS

Northing 49,715 Easting 50,021

Collar Elev. 539 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	16	Overburden									
16	19	71832								.18	
19	21	71833								.18	
21	25	71834								.05	
25	30	71835								.03	
30	35	71836								.03	
35	38	71837								.07	
38	40	71838				500				.03	.07
40	45	71839								.02	
45	50	71840								.02	
50	55	71841								.04	
55	60	71842								.07	
60	65	71843								.03	
65	70	71844								.02	
70	73	71845								.03	
73	78	71846								.06	.04

Hole No. 72-7 Core Size:

DRILL HOLE ASSAYS

Northing 49,245 Easting 49,825

Collar Elev. 539 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	4	Overburden									
4	10	72751								.04	
10	15	72752								.16	
15	20	72753								.11	
20	25	72754								.07	
25	27	72755								.04	
27	30	72756								.03	
30	35	72757								.03	
35	37	72758				500				.06	.07
39	45	72759							6	.04	
45	50	72760							5	.03	
50	54	72761							4	.01	
54	57	72762							3	.07	
57	60	72763							3	.06	
60	64	72764							21	.03	
64	68	72765								.04	
68	72	72766								.03	
72	75	72767								.02	
75	80	72768								.03	
80	85	72769								.03	
85	90	72770								.04	
90	95	72771								.03	
95	100	72772								.03	
100	105	72773								.05	
105	110	72774								.04	
110	115	72775								.02	
115	120	72776								.01	
120	125	72777								.05	
125	130	72778								.03	
130	135	72779								.01	
135	140	72780				400				.01	.03
140	145	72781								.02	
145	150	72782								.02	
150	155	72783								.02	
155	160	72784								.02	
160	165	62685								.02	
165	170	72786								.03	
170	175	72787								.02	
175	180	72788								.01	
180	185	72789								.02	
185	190	72790								.01	
190	195	72791								.01	
195	200	72792								.02	.02

Hole No. 72-8 Core Size:

DRILL HOLE ASSAYS

Collar Elev. 533 Northing 49,580 Easting 49,994 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	8	Overburden									
8	10	72801								.01	
10	15	72802								.02	
15	20	72803								.01	
20	25	72804								.04	
25	30	72805								.01	
30	35	72806				500				.06	.03
35	40	72807								.03	
40	45	72808								.03	
45	50	72809								.02	
50	55	72810								.03	
55	60	72811								.02	
60	65	72812								.01	
65	70	72813								.02	
70	76	72814								.01	
76	82	72815								.01	
82	85	72816								.03	
85	90	72817								.04	
90	95	72818								.01	
95	100	72819								.02	
100	105	72820								.01	
105	110	72821								.02	
110	115	72822								.02	
115	120	72823								.03	
120	123	72824								.02	
123	126	72825								.03	
126	128	72826								.01	
128	130	72827								.02	
130	135	72828				400				.01	.02
135	140	72829								.02	
140	145	72830								.02	
145	150	72831								.02	
150	155	72832								.02	
155	157	72833								.04	
157	160	72834								.02	
160	165	72835								.02	
165	170	72836								.01	
170	175	72837								.04	
175	180	72838								.03	
180	182	72839								.02	
182	184	72840								.02	
184	185	72841								.02	
185	190	72842								.02	
190	195	72843								.02	
195	200	72844								.01	.02

Hole No. PO #1 Core Size:

DRILL HOLE ASSAYS

Northing 49,814 Easting 49,221

Collar Elev. 689 Inclination 45° Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	3	Overburden									
3	10	4001								.045	
10	20	4002								.025	
20	30	4003								.055	.04
30	40	4004								.035	
40	50	4005								.042	
50	60	4006								.025	
60	70	4007								.015	
70	80	4008								.015	
80	90	4009								.035	
90	100	4010								.015	
100	110	4011								.025	
110	120	4012								.015	
120	130	4013				600				.010	.027 *
130	140	4014								.010	
140	150	4015								.010	.010

Hole No. PQ #3 Core Size:

DRILL HOLE ASSAYS

Northing 49,381 Easting 49,520

Collar Elev. 584 Inclination 45° Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	8	Overburden									
8	20	4024								.003	
20	30	4025								.025	
30	40	4026								.045	
40	50	4027								.060	.06
50	60	4028								.065	
60	70	4029								.025	
70	80	4030								.035	
80	90	4031								.025	.034

SPECOGNA PROJECT

Hole No. PQ #2 Core Size:

DRILL HOLE ASSAYS

Northing 49,810 Easting 49,450

Collar Elev. ≈645 Inclination 45° Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages
0	8	Overburden									
8	20	4016								tr	
20	30	4017								.010	
30	40	4018								.050	
40	50	4019								.055	.05
50	60	4020								.040	
60	70	4021				600				.030	.029
70	80	4022								.040	
80	90	4023								.040	.04

SPECOGNA PROJECT

Hole No. PQ #4 Core Size:

DRILL HOLE ASSAYS

Northing 49,176 Easting 49,503

Collar Elev. 596 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	3	Overburden									
3	10	4032								.030	
10	20	4033								.050	
20	30	4034								.025	
30	40	4035								.020	
40	50	4036								.025	
50	60	4037								.015	
60	70	4038								.025	.027

Hole No. PQ #4A

Core Size:

DRILL HOLE ASSAYS

Collar Elev. 596 Northing 49,162 Easting 49,509 Inclination Vertical Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	10	Overburden									
10	20	4039								.030	
20	30	4040								.030	
30	40	4041								.010	
40	50	4042								.015	
50	60	4043								.010	
60	70	4044								.015	
70	80	4045								.055	
80	90	4046								.040	
90	100	4047				500				.070	.028
100	110	4048								.065	
110	120	4049								.170	
120	130	4050								.110	
130	135	4051								.035	.103

Hole No. PQ #5

Core Size:

DRILL HOLE ASSAYS

Collar Elev. ≈690 Northing 50,220 Easting 49,240 Inclination 45° Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	3	Overburden									
3	10	4052								tr	
10	20	4053								.002	
20	30	4054								.065	
30	40	4055								.060	
40	50	4056								.050	
50	60	4057								.050	
60	70	4058								.045	
70	80	4059								.055	
80	90	4060								.13	
90	100	4061								.16	
100	110	4062								.10	
110	120	4063								missing	assume
120	130	4064								"	120'
130	140	4065								"	.075

Hole No. PO #6

DRILL HOLE ASSAYS

Northing 51,110 Easting 49,730

Collar Elev. ≈705 Inclination 45° Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	10	Overburden									
10	20	4066								.030	
20	30	4067								.030	
30	40	4068								.020	
40	50	4069								.025	
50	60	4070								.040	.029

SPECOGNA PROJECT

Hole No. PO #7 Core Size:

DRILL HOLE ASSAYS

Northing 50,651 Easting 49,240

Collar Elev. 711 Inclination 45° Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays Mo	Assays Ag.	Assays Au.	Averages Au
0	15	Overburden				700					
15	30	4071								.050	
30	40	4072								.020	
40	50	4073								.120	
50	60	4074								.085	
60	70	4075								.130	
70	80	4076								.045	
80	90	4077								.030	
90	100	4078								.030	
100	110	4079								.020	
110	120	4080								.025	
120	130	4081								.025	
130	140	4082								.025	
140	150	4083								.025	.048

SPECOGNA PROJECT

Hole No. PO #8 Core Size:

DRILL HOLE ASSAYS

Northing 51,123 Easting 48,510

Collar Elev. 688 Inclination 45° Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	10	Overburden									
10	20	4084								.003	
20	30	4085								.020	
30	40	4086								.13	
40	50	4087								.18	
50	60	4088								.065	
60	70	4089								.020	
70	80	4090								.005	.060

Hole No. PQ #9

DRILL HOLE ASSAYS

Collar Elev. _____ Inclination _____ Bearing _____

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages	
		Off edge of 1975 100 scale map.										
		Avg. grade less than 0.005.										

Hole No. PQ #10

Core Size: _____

DRILL HOLE ASSAYS

Collar Elev. _____ Inclination _____ Bearing _____

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages	
		Off edge of 1975 100 scale map.										
		Avg. grade less than 0.005.										

Hole No. PQ #11

Core Size: _____

DRILL HOLE ASSAYS

Collar Elev. _____ Inclination _____ Bearing _____

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages	
		Off edge of 1975 100 scale map.										
		Avg. grade less than 0.005.										

DRILL HOLE ASSAYS

Collar Elev. _____ Inclination _____ Bearing _____

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages
		Off edge of 1975 100 scale map.									
		Avg. grade less than 0.005.									

Hole No. PQ #13 Core Size: _____

DRILL HOLE ASSAYS

Collar Elev. 648 Northing 50,183 Inclination 45° Easting 49,518 Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	20	Overburden									
20	30	4141								.015	
30	40	4142								.015	
40	50	4143								.020	
50	60	4144								.025	
60	70	4145				600				.055	.024
70	80	4146								.075	
80	90	4147								.040	
90	100	4148								.055	
100	110	4149								.050	
110	112	4150								.035	.054

SPECOGNA PROJECT

Hole No. PQ #14 Core Size: _____

DRILL HOLE ASSAYS

Collar Elev. 688 Northing 50,225 Inclination 45° Easting 48,249 Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages
0	100	Overburden									

DRILL HOLE ASSAYS

Collar Elev. _____ Inclination _____ Bearing _____

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages	

Off edge of 1975 100 scale map.

Avg. grade less than 0.005.

Hole No. PQ #16 Core Size: _____

DRILL HOLE ASSAYS

Collar Elev. _____ Inclination _____ Bearing _____

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages	

Off edge of 1975 100 scale map.

Avg. grade less than 0.005.

Hole No. Q-75-1

DRILL HOLE ASSAYS

Collar Elev. 500.9 Northing 49,420 Easting 50,070 Inclination 45° Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	3	Overburden									
3	13	QN 51								.075	
13	23	QN 52								.051	
23	33	QN 53								.035	
33	43	QN 54								.035	
43	53	QN 55								.025	
53	63	QN 56								.060	
63	73	QN 57								.030	
73	83	QN 58								.14	
83	93	QN 59								.24	
93	103	QN 60								.26	
103	113	QN 61								.025	
113	123	QN 62								.10	
123	133	QN 63								.025	
133	143	QN 64				400				.035	.081
143	153	QN 65								.010	
153	163	QN 66								.020	
163	173	QN 67								.030	
173	183	QN 68								.020	
183	193	QN 69								.030	
193	203	QN 70								.020	
203	213	QN 71								.020	
213	223	QN 72								.015	
223	233	QN 73								.015	
233	243	QN 74								.015	
243	253	QN 75								.030	
253	263	QN 76								.010	
263	273	QN 77								.005	
273	283	QN 78				300				.030	.019
283	293	QN 79								.020	
293	303	QN 80								.11	
303	313	QN 81								.030	
313	323	QN 82								.015	
323	333	QN 83								.010	
333	343	QN 84								.010	
343	353	QN 85								.035	
353	363	QN 86								.040	
363	373	QN 87								.035	
373	383	QN 88								.025	
383	393	QN 89								.030	
393	403	QN 90								.035	
403	413	QN 91								.030	
413	423	QN 92				200				.030	.032

DRILL HOLE ASSAYS

Northing 49,420 Easting 50,070

Collar Elev. 500.9 Inclination 45° Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
423	433	QN 93								.040	
433	443	QN 94								.030	
443	453	QN 95								.035	
453	463	QN 96								.030	
463	473	QN 97								.030	
473	483	QN 98								.040	
483	493	QN 99								.040	
493	500.5	QN 100				230				.040	.036
500.5	510	QN 101								Trace	
510	520	QN 102								.003	
520	530	QN 103								.002	
530	540	QN 104								Trace	
540	550	QN 105								Trace	
550	567	QN 106								.002	

Hole No. Q-75-2 Core Size:

DRILL HOLE ASSAYS

Northing 50,000 Easting 49,880

Collar Elev. 585 Inclination 45° Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	82	Overburden									
82	92	QN107								.030	
92	102	QN108								.020	
102	112	QN109								.025	
112	122	QN110				500				.020	.023
122	132	QN111								.010	
132	142	QN112								.095	
142	152	QN113								.075	
152	162	QN114								.065	
162	172	QN115								.060	
172	182	QN116								.035	
182	192	QN117								.025	
192	202	QN118								.045	
202	212	QN119								.075	
212	222	QN120								.035	
222	232	QN121								.030	
232	242	QN122								.025	
242	252	QN123								.080	
252	262	QN124				400				.030	.048
262	272	QN125								.020	
272	274.6	QN126								.020	
274.6	287	QN127								.030	
327	337	QN128								.020	
337	347	QN129								.025	
347	357	QN130								.020	
357	367	QN131								.17	
367	377	QN132								.025	
377	387	QN133								.045	
387	397	QN134								.060	
397	407	QN135				300				.040	.044
407	417	QN136								.050	
417	427	QN137								.025	
427	437	QN138								.030	
437	447	QN139								.020	
447	457	QN140								.500	
457	467	QN141								.035	
467	477	QN142								.020	
477	487	QN143								.050	
489	497	QN144								.27	
497	507	QN145								.10	
507	517	QN146								.030	
517	527	QN147								.045	
527	537	QN148								.040	
537	547	QN149				200				.050	.090

Hole No. Q-75-2 Core Size:

DRILL HOLE ASSAYS

Collar Elev. 585 Northing Inclination 45° Easting Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
547	557	QN150								.030	
557	567	QN151								.040	
567	577	QN152				180				.030	.033
577	587	QN153								.005	
587	597	QN154								.003	
597	603	QN155								Trace	

SPECOGNA PROJECT

Hole No. Q-75-3 Core Size:

DRILL HOLE ASSAYS

Collar Elev. 632 Northing 50,570 Easting 49,749 Inclination 45° Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	16	Overburden									
16	26	QN156								.090	
26	36	QN157								.030	
36	46	QN158				600				.020	.035
46	56	QN159								.045	
56	66	QN160								.045	
66	76	QN161								.030	
76	86	QN162								.040	
86	96	QN163								.030	
96	106	QN164								.035	
106	116	QN165								.060	
116	126	QN166								.055	
126	136	QN167								.025	
136	146	QN168								.020	
146	156	QN169								.095	
156	166	QN170								.040	
166	176	QN171								.025	
176	186	QN172				500				.025	.040
186	196	QN173								.005	
196	206	QN174								.005	
206	216	QN175								.090	
216	226	QN176								.015	
226	236	QN177								.020	
236	245	QN178								.020	.025

Hole No. Q-75-4

DRILL HOLE ASSAYS

Collar Elev. _____ Inclination _____ Bearing _____

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages
		Off edge of 1975 100 scale map.									
		Avg. grade less than 0.005.									

SPECOGNA PROJECT

Hole No. Q-75-5 Core Size: _____

DRILL HOLE ASSAYS

Collar Elev. 579 Northing 50,556 Inclination 45° Easting 50,129 Bearing 270°

Footage From	Footage To	Samp No	Width	Wt. Lbs.	Rcy %	Elev.	Assays Cu	Assays MoS_2	Assays Ag.	Assays Au.	Averages Au
0	14	Overburden									
14	24	QN220								.005	
24	34	QN221								.003	
34	44	QN222								.005	
44	54	QN223								.010	
54	64	QN224								.005	
64	74	QN225								.010	
74	84	QN226								.005	
84	94	QN227								.005	
94	104	QN228								.010	
104	114	QN229				500				.005	.006
114	124	QN230								.025	
124	134	QN231								.070	
134	144	QN232								.070	
144	154	QN233								.050	
154	164	QN234								.025	
164	174	QN235								.035	
174	184	QN236								.010	
184	194	QN237								.015	
194	204	QN238								.040	
204	214	QN239								.010	
214	224	QN240								.045	
224	229	QN241								.050	.036

DIAMOND DRILL RECORD

BQ

Property SPECOGNA GOLD

Hole No. Q-75-1 Page No. 1 of 5 Length 500.5' Lat. 49,420 Dri

District Queen Charlotte Islands Bearing 270° Dept. 50,070 Hol

Commenced _____ Inclination 45° Elev. 500.9 Cor

Completed _____

Logged by G.G. Richard

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag
0	46.1				Pebble conglomerate of subround many textured				
		QN 51			porphyritic pebbles. Almost all pebbles with a f.g.	0-10	↑	.075	
		52			pyrite rim some with other internal concentric	20	↓	.051	
		53			shells of pyrite. Bleached envelope present on 10% of	30		.035	
		54			pebbles usually outside pyrite rim. Few py blebs.	40	↓	.035	
					1% wood chunks up to 4" long with qtz veinlets inside				
					wood. Feldspar phenocrysts altered to sericite-clays				
					Matrix to conglomerate is grey siltstone-mudsone,				
					minor sandstone.				
46.1	55.0	55			Grey siltsone - sandstone. Some very soft mud				
					with few pebbles towards base.	50		.025	
55.0	67.0	56			Pebble conglomerate as for 0 - 46.1. Few felsic				
					pebbles.	60	↕	.060	
67.0	73.0	57			Pebble conglomerate with pryite rims; shells on				
					fragments. 50% mafic porphyritic 50% felsic pebbles	70	—	.030	.081
					15% of section is sandstone-siltstone with 5%				
					carbonaceous material. Many pyrite blebs.				
73.0	74.8				White and grey quartz with some fragments of pebbles.				
74.8	77.0				50% quartz 50% pebble conglomerate with mainly				
					felsic pebbles, few mafic pebbles and minor		↑		
					sandstone - siltstone.				
77.0	86.1	58			Felsic pebble conglomerate with 30 - 60% of fragments	80	—	.14	
								.14	

DIAMOND DRILL RECORD

BQ

Logged By
G.G. Richards

Property SPECOGNA GOLD

Hole No. Q-75-1 Page No. 2 of 5 Length 500.5' Lat. 49,420 Dril

District Queen Charlotte Islands Bearing 270° Dept. 50,070 Hol

Commenced _____ Inclination 45° Elev. 500.9' Cor

Completed _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag
86.1	87.1				White quartz vein with some quartz pseudomorphic after 1/2" long bladed crystals of (?)				
87.1	98.2				Siltstone rip-ups in siltstone. Basal 3' contains				
83	93	QN 59	10		some sandstone. Some pyr blebs or fragments(?) Up to 5% carbonaceous material in sandstone.		.21	.24	
98.2	139.2				Felsic pebble conglomerate with few vesicular pebbles				
93	103	60	10		Most pebbles porphyritic and subround. Thin pyrite				
103	113	61	10		rims on pebbles common. Bleached envelopes absent			.26	
113	123	62	10		Mafics -- chlorite and some minor epidote. This			.025	
123	133	63	10		alteration starts at top and is well developed by 115'. Above 115' mafics generally gone (washed out?) or else replaced by pyrite. Below 115' few brown micas rimmed by chlorite. Few py frags(?) approximat cubes. Quartz veins occur at 98.4 - 98.9, 99.8100.4, 116.6-118.0, 118.0-119.0, 122.20122.8. 2' silicified coal at 114.6'.			.10	
139.2	150.0				Pale brown to dark brown and some grey siltstone -			.025	
133	143	64	10		sandstone with bedding 59° to C.A. Few felsic				
143	153	65	10		(some porphyritic) pebble cherts. Mud dyke 1/4" pyrite cubes. Wood @ 139.7 - 140.7. No chlorite.			.035	
150.0	219.5				Felsic pebble conglomerate with bedding 64° to C.A.			.010	
143	153	66	10		Carbonaceous siltstone interbeds at 160.7 - 163.0,				
153	163	67	10		206.0 - 207.0 and several other 0.1 sections all dark			.020	
163	173	68	10		chocolate brown. Subangular to subround pebbles are			.030	
173	183	69	10		mainly porphyritic to granitic textured mafic and			.020	
183	193	70	10		felsic vesicules present in few pebbles. Few shale			.030	
193	203	71	10		chert and pale green sedimentary fragments. Mafic pebble conglomerate 176 - 191+. Mafics throughout			.020	
								.020	

Averages

80-90 .24

100 .26

110 .025

120 .10

130 .025

DIAMOND DRILL RECORD

BQ

Property SPECOGNA GOLD

Hole No. O-75-1 Page No. 3 of 5 Length _____ Lat. _____ Dri

District _____ Bearing _____ Dept. _____ Ho

Commenced _____ Inclination _____ Elev. _____ Co

Completed _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.	
150.0	219.5				section one gone (washed out?) or gone and pyrite replacement - also common is mafics -- phlog ± chl and mafics -- chl. Carbon chunks in conglomerate @ 150.5 and 203.0. Quartz vein 177.0 - 178.5 has central parting in bull quartz grading outwards to comb quartz and then finely laminated chalcedonic quartz.
219.5	271.3				Chocolate brown siltstone with 5 - 10% floating sub-
213	223	QN 72			round to subangular clasts of cherts, sediments and
223	233	73			minor porphyry. Pyrite and bleached envelopes
233	243	74			present on some fragments. Bedding in top 10' in
243	253	75			the fine-grained well-laminated siltstone has 4 or
253	263	76			4 1/8" wide stratabound pyrite layers with
263	273	77			carbonaceous layers. Pyrite blebs and cubes not uncommon. 3 - 6% carbon. Carbon rich at top of section and 1' at 250°.
271.3	293.5				Much like above but also contains conglomerate
273	283	78			layers and more pebbles in siltstone. Pebbles
283	293	79			are siltstone-sandstone-chert and minor porphyry. 4% carbon occurs as chunks and fine debris.
293.5	311.0				Dark brown to black finely laminated siltstone with
293	303	80			white laminae (alteration?) 53° to C.A. Some pyrite replacement(?) of beds up to 1/4" thick. Rip-ups and slump features common. Bottom foot contains much carbon chunks. Quartz vein 295.5 - 296.4
311.0	321.5				Chocolate brown siltstone with sandstone with pale
30	313	81			buff felsic sedimentary fragments 5% carbonaceous material.

Averages

ASSAYS Cu	Mo	Au	Ag	
		.015		.019
		.015		
		.015		
		.030		
		.010		
		.005		
		.030		
		.020		
		.11		
		.030		

DIAMOND DRILL RECORD

Property SPECOGNA GOLD

Hole No. Q-75-1 Page No. 4 of 5 Length _____ Lat. _____ Dr

District _____ Bearing _____ Dept. _____ Ho

Commenced _____ Inclination _____ Elev. _____ Co

Completed _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag	
										Averages
321.5	333.2				Bull quartz with some box-work-like quartz 327.0 -					
313	323	82			327.5 and 333.0 - 333.2. Much quartz pseudomorphic					
323	333	83			after blade-like mineral up to 1½" long. Minor			.015		
					breccia 329 - 332.			.010		
333.2	342.4				Pale buff siltstone- sandstone with pebbly layers					
333	343	84			of pale buff sediments including cherts					
								.010		
342.4	359.0				Pebble conglomerate in mudstone to sandstone.					
342	353	85			Top 5' felsic and chocolate brown. Next 10' dark					
					grey porphyritic andesite and sediments.			.035		
359.0	371.5				Dark siltstone (minor sandstone) with ripups of					
353	363	86			similar clasts, (some sandstone), graded bedding ,					
363	373	87			and slump features. Quartz boxwork @ 361 - 363 plus			.040		
					some chalcedonic quartz 1 - 2% marcasite needles and			.035		
					clusters in sandstone layers (not in siltstones).					
371.5	438.0				Uniformly mixed buff brown siltstones - sandstones -					
373	383	88			conglomerate with subround fragments of felsic					
383	393	89			sediments ± porphyries containing much needle marcasi			.025		.032
393	403	90			and some blebs of marcasite. Pebbles commonly have			.030		
403	413	91			bleached border. Some pebbles with heavy pyrite			.035		
413	423	92			inwards from bleached border and some with pyrite			.030		
423	433	93			shell inwards from bleached border. No chlorite			.030		
					but greenish argillic alteration. Brecciated quartz			.040		
					vein 425.1 - 427.6. 2 - 3% carbonaceous material.					
438.0	500.5				Pale buff to dark grey streaky banded fine grained					
433	443	94			sediment much like streaky banded section along base					
443	453	95			of south end of cliff. Much silicification. Many			.030		
453	463	96			vugs lined with [illegible]11 quartz crystals. All of sectio			.035		
463	473	97			at least crackle-breccia with heavy sulphide matrix			.030		

DIAMOND DRILL RECORD

Property SPECOGNA GOLD

Hole No. Q-75-1 Page No. 5 of 5 Length _____ Lat. _____ Dri

District _____ Bearing _____ Dept. _____ Ho

Commenced _____ Inclination _____ Elev. _____ Co

Completed _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.	
438.0	500.5				
473	483	98			with or without many marcasite needles, blebs of
483	493	99			pyrite and veins of pyrite.
493	500.5	100			
					438 - 450 dark c.l. = 70
					450 - 460 felsic c.l. = 20
					460 - 466 quartz vein much sulphide and breccia c.l. = 60
					466 - 500.5 c.l. = 20 - 40
					Minor jasper 480 ± 10
					Shearing in bottom 10' 45° to C.A. may be pre silic^{n} ?! (Contact very sharp with below).
	500.5				FAULT.
500.5	567				Argillite. Soft crumbly and well fractured.
					Minor pyrite 1 - 2% top 0.5' where slightly compact
					and not crumbly but soft. Two felsic layers 0.2'
					thick with gritty sand. Few calcite veinlets
					@ 502'. One chunk of silicified hornfels similar
					to hanging wall.
					500.5 - 543.3' black calcareous argillite 2% vein calcite, 1% disseminated calcite.
					543.3 - 552.6' medium green calcareous siltstone 4% vein calcite, 3% disseminated calcite.
					552.6 - 563' as for 500.5 - 543.3'
					563 - 567 ' as for 543.3 - 552.6'.

Averages

ASSAYS Cu	Mo	Au	Ag	
		.040		.036
		.040		↑
		.040		

DIAMOND DRILL RECORD

Property SPECOGNA GOLD
Hole No. Q-75-2 Page No. 1 of 5 Length 603' Lat. 50,000 Dri
District Queen Charlotte Isls. Bearing 270° Dept. 49,880 Ho
Commenced Inclination 45° Elev. 632 Co
Completed

BQ
Logged By
6.6 Richards

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag	
0	82				Casing					
82	125.5				Dark pebble conglomerate of many varieties feldspar					
82	92	QN 107			porphyritic andesite. Bleached envelopes, pyrite					
92	102	108			rims and shells occur on many pebbles. No chlorite			.030		
102	112	109			alteration.			.020		
112	122	110			Minor siltstone interbeds@ 112 - 113.5' and 118.5 -			.025		023
					120.' Bedding 54° to c.a. @ 113'. ½% carbonaceous			.020		
					material.					
125.5	132.8				Felsic sandstone with few felsic pebbles. Dark					
122	132	111			chocolate brown siltstone which is matrix for pebble					
					conglomerate below.			.010		
132.8	144.2				As for 82 - 182.5'					
132	142	112			½% carbonaceous material.					
						132 - 142		.095		
144.2	168.4				Dark grey fine-grained sandstones and siltstones					
142	152	113			containing a few gritty layers and few pebbles.					
152	162	114			Much fine laminations with bedding 63° to c.a.			.075		
								.065		
168.4	217.0				Dark pebble conglomerate of many varieties feldspar					
162	172	115			porphyritic andesite. Includes many felsic pebbles					
172	182	116			as well, particularly from top to 197±.			.060		
182	192	117			Chocolate brown siltstone 174.4 - 175.7! Cholcolate		18	.035		048
192	202	118			brown to felsic sandstone 189.0 - 193.0! Pyrite rims			.025		
202	212	119			shells common on pebbles. Fair chlorite alteration			.045		
212	222	120			near base. Quartz veins 186 - 188', 188.6 - 189.2',			.075		
					191.5 - 193.0! Both chalcedonic and bull quartz.			.035		
					Some breccia fragments in quartz ½% carbonaceous					
					material.					

Averages

DIAMOND DRILL RECORD

Property SPECOGNA GOLD

Hole No. Q-75-2 Page No. 2 of 5 Length _____ Lat. _____ Dr

District _____ Bearing _____ Dept. _____ Ho

Commenced _____ Inclination _____ Elev. _____ Co

Completed _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag
217.0	231				Very pale buffy cream coloured sandstone 225 - 231'				
222	232	QN 121			much medium-dark chocolate brown siltstone. Fair			.030	
					chlorite alteration. Some golden brown mica. Quartz				
					pseudomorphic after ½" long blades of (?)				
					5% carbonaceous material.				
231.5	242.0				Dark grey laminated sandstone and siltstone with				
232	242	122			pyrite laminae. Fair chlorite alteration of mafics.				
					Some brown mica. 3% carbonaceous material.			.025	
242.4	266.0				Pebble conglomerate with some felsic but much mafic				
242	252	123			porphyritic andesite fragments. Few dark black				
252	262	124			siltstone interbeds. Few bleached rims and many		.08 | .06	.080	
					pyrite rims with shells on pebbles.			.030	
266.0	274.6				Pale to medium chocolate brown siltstones with				
262	272	125			few pebbles and 3 - 5% carbonaceous material				
		126						.020	
274.6	327.0				Medium grey unsilicified sand. 1' recovered			.020	
272	282	127							.044
								.030	
327.0	395.3				Muddy medium grey siltstone with felsic and mafic				
327	337	128			pebbles. Pebbles are matrix supported, ½" and			.020	
337	347	129			smaller, most subangular (few round and few angular).			.025	
347	357	130			327 - 337' badly broken and soft (unsilicified).			.020	
357	367	131			327 - 350± dark chocolate brown matrix			.17	
367	377	132			350± - 365' dark grey to black siltstone matrix			.025	
377	387	133			365 - 395.3' felsic pebbles common up to 2"			.045	
387	397	134			in medium dark grey matrix.			.060	
					Bleached envelopes on pebbles common. Pyrite rims				
					and shells common on pebbles of basal section.				
					Minor chlorite alteration of mafics in pebbles.				
					5% carbonaceous material.				

Averages

DIAMOND DRILL RECORD

Property SPECOGNA GOLD
Hole No. Q-75-2 Page No. 3 of 5 Length _____ Lat. _____ Dri
District _____ Bearing _____ Dept. _____ Ho
Commenced _____ Inclination _____ Elev. _____ Co
Completed _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.	
395.3	407.0				White felsic sandstone of porphyritic fragments
397	407	QN 135			very crackle brecciated with quartz-sulphide cement
					and marcasite cement. Few quartz-breccia dykes(?)
					veins(?)
					405 - 406' quartz vein.
407.0	467.0				Felsic sandstone-siltstone with much (50% of section)
407	417	136			felsic pebble conglomerate, few 1' - 2' thick argilli
417	427	137			beds and few carbon rich dark chocolate brown siltsto
427	437	138			sandstone containng 5 - 10% 1/4" felsic ± mafic
437	447	139			subangular fragments. Bleached rims and pyrite rims
447	457	140			and shells common on pebbles. Marcasite flooding
457	467	141			over 0.1'.
					Heavy sulphide-quartz veins ½ - 1' wide more
					abundant than bull quartz veins of same width.
					Some quartz contains breccia. 1 - 2% of rock is
					pyrite occurring as blebs and pebble replacements.
					Carbonaceous material 1 - 2% overall, locally
					10% over 1 - 2'.
467.0	- 476.0				Very felsic sandstone-siltstone with poor bedding.
467	477	142			Some of section is muddy and soft (unsilicified).
					No carbon.
476.0	502.0				Felsic sandstone not as pure as above. Some medium
477	487	143			grey coarser near bottom with 1/4" angular pebbles
487	497	144			Poor bedding, blebs of pyrite and minor carbon.
					Unsilicified and muddy 491.5 - 497'

AVERAGES

ASSAYS Cu	Mo	Au	Ag
		.040	
		.050	
		.025	
	427	.030	
SECTION E-E' →	567	.020	
	.27	.500	
		.035	.090
		.020	
.14		.050	
		.27	

DIAMOND DRILL RECORD

Property SPECOGNA GOLD
Hole No. Q-75- 2 Page No. 4 of 5 Length _____ Lat. _____ Dri
District _____ Bearing _____ Dept. _____ Ho
Commenced _____ Inclination _____ Elev. _____ Co
Completed _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.	
502.0	557.0				Medium to dark grey poorly banded streaky siltstone
497	507	QN 145			± sandstone with few pebbles and few felsic lenses
507	517	146			like streaky banded section along base of south
517	527	147			end of cliff. Some with much 1/4" and less angular
527	537	148			pebbles. Streaks blebs and some disseminated
537	547	149			pyrite. Quartz veins: 0.8' @ 523.0', 0.6' @ 520.5',
547	557	150			0.5' @ 527.2'. Quartz and breccia: 529 - 531.5'.
					Crackle breccia zones abundant below 515'.
557	564				Contact zone of above with below.
557	567	151			Crackle breccia and breccia.
564	575				Brecciated quartz eye feldspar porphyry well.
557	567	152			Silicified like near K1 . Much of breccia
					is crackle breccia.
	575				Fault
575	603				Unsilicified argillite
					575 - 581.5' black
					581.5 - 583.8' light grey
					583.8 - 585.2' dark grey
					585.2 - 585.9' pale buff grey
					585.9 - 587.5' dark grey
					587.5 - 588.6' light grey
					588.6 - 595.8' dark grey
					595.8 - 597.2' light grey
					597.2 - 600.5' dark grey becoming light grey with
					boudin structure. 1½" clast of silicified f.g. sediment.
					600.5 - 603' dark grey.
					Shearing throughout but more intesnse in some sections
					Pyrite rims fragments. Some pyrite veins, blebs in

Averages

ASSAYS Cu	Mo	Au	Ag
145	↓	.10	
6		.030	
7		.045	
8	105	.040	
9		.050	
150		.030	
		.040	.033
→	567	.030	

DIAMOND DRILL RECORD

Property SPECOGNA GOLD

Hole No. Q-75-2 Page No. 5 of 5 Length _____ Lat. _____ Dr

District _____ Bearing _____ Dept. _____ Ho

Commenced _____ Inclination _____ Elev. _____ Co

Completed _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag
					3'. This section also more compact and not muddy				
					like rest of section.				
					Hard shale breccia with quartz matrix ± pyrite				
					probably belongs to hanging wall with fault at 575'				
					(hard) to 578' (soft).				

DIAMOND DRILL RECORD

BQ

Property SPECOGNA GOLD
Hole No. Q-75-3 Page No. 1 of 2 Length 245' Lat. 50,570 Dri
District Queen Charlotte Isls. Bearing 270° Dept. 49,749 Ho
Commenced Inclination 45° Elev. 632' Co
Completed

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag
0	16				Casing.				
16	77				Grey uniform sandstone with sandy & silty laminae				
16	26	QN 156	10		and ghosty but distinct subround (few subangular)				
26	36	157			pebbles of similar lithology. Beds 52° to C.A.				
36	46	158			Boxwork quartz 16.6 - 17.3 .				
46	56	159			Breccia with or without qtz along walls @ 46.3,				
56	66	160			50.8, 55.8 ,				
66	76	161			∠ ½% carbonaceous material.				
77	142				Pebble conglomerate ± sandstone with subround				
76	86	162			variably textured porphyritic andesite pebbles up				
86	96	163			to 2". Some bleached rims. Pyrite rims and				
96	106	164			shells common. Only 4 felsic pebbles. No chlorite				
106	116	165			½% carbonaceous material.				
116	126	166							
126	136	167							
136	146	168							
142	155				Black siltstone. Minor gritty layers and few				
146	156	169			pebbles.				
155	183				As for 77 - 142				
156	166	170							
166	176	171							
176	186	172							
183	211				Very felsic sandstone-siltstone with bottom 3'				
186	196	173			containing small pebbles.				
196	206	174							
206	216	175							

Averages

09/10 | .090 .030 .020 → .046
05/20 | .045 .045 .030
04/10 | .040 .030
05/20 | .035 .060 .055 → .040
1/10 | .095
04/10 | .040 .025 .025
.005 .005 .090

DIAMOND DRILL RECORD

Property SPECOGNA GOLD

Hole No. Q-75-3 Page No. 2 of 2 Length _____ Lat. _____ Dr

District _____ Bearing _____ Dept. _____ Hc

Commenced _____ Inclination _____ Elev. _____ Co

Completed _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag
211	245				Pebble conglomerate 30% felsic fragments 70%				
216	226	QN 176			mafic porphyritic andesite fragments. Bleached				
226	236	177			rims present. Pyrite rims and shells common			.015	
236	245	178			Bottom 20' felsic poor. Bedding 58° to C.A.			.020	
					@ 233'. Quartz vein 221.3 - 223.2			.020	
					No chlorite.				

DIAMOND DRILL RECORD

Property SPECONGA PROPERTY
Hole No. Q-75-4 Page No. 1 of 3 Length 713' Lat. Dri
District Queen Charlotte Isls Bearing Dept. Hol
Commenced Inclination Elev. Cor
Completed

BQ
Logged By
G.G. Richards

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag
0	12				Casing				
12	184				Streaky banded pale grey quartz eye feldspar				
12	32	QN 179	10		rhyolite porphyry. F.Spar phenocrysts < 1mm 5%				
32	52	180	20		of rock altered to clays and have slight yellowish-			tr	
52	72	181	20		greenish tinge.			tr	
72	92	182	20		Quartz phenocrysts 1 - 2mm 5% of rock volume display			tr	
92	112	183	20		a few pyramid faces.			tr	
112	132	184	20		Pyrite needles (after hbd?) < 1 mm long and narrow			tr	
132	152	185	20		¼% of rock. Trace mica < 1 mm.			tr	
152	172	186	20		½% diss py. Trace frac. py.			tr	
172	184	187	22		Fracture clays and streaks of clays common (5% of			tr	
					rock).			.010	
					Core commonly breaks along clay surfaced banding.				
					Occasional fragmental texture,				
					175': 1'± sheared rhyolite with fragments of				
					argillite as below.				
					175 - 184: 5% pyrite occurs mostly as medium				
					grained veins up to 1 cm wide and much diss. py.				
					No calcite.				
184	197	188	13		Argillite with much hairline fractures of dull				
					white sheared argillite. Fractures are <.1 mm wide.			tr	
					Spaced 5 mm apart and lie roughly ⊥ to C.A. to				
					60° to C.A. Section is slightly hornfelsed.				
					< ¼% py in veins and disseminated. No calcite.				
197	203	189	6		Pale greenish grey distinct looking feldspar porphyr				
					10% white plag.laths up to 5 mm long but generally			tr	
					1 mm wide and 2-3 mm long altered to clays. Trace				
					py as hairline f cture fillings and disseminations				
					Bottom 0.5' sheared with slickensides. No calcite.				

DIAMOND DRILL RECORD

Property SPECOGNA GOLD

Hole No. Q-75-4 Page No. 2 of 3 Length _____ Lat. _____ Dri

District _____ Bearing _____ Dept. _____ Hol

Commenced _____ Inclination _____ Elev. _____ Cor

Completed _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag
	203				Fault (major fault "plane"?)				
203	224.5				Black argillite with few muddy sections < 1' and				
203	213	QN 190	10		few gritty layers. Faint bedding ~45° to C.A.				
213	224	191	11		Hairline fracture of sheared argillite less abundant			tr	
					than above but calcite veining prominent up to			tr	
					1 mm wide.				
					Pyrite total < ½% occurs as occassional bleb and				
					film on hairline fracture.				
					Contact with above not definite.				
					Contact with below sharp.				
					No hornfelsing. No noticeable alteration.				
224.5	323.0				Quartz eye feldspar porphyritic rhyolite with				
224	244	192	20		2 - 5% white clay streaks, veins and bands @ 28°				
244	264	193	20		to C.A., some slickenside surfaces. Sheared,			tr	
264	284	194	20		crumbly, broken ground 319 - 323'.			.002	
284	304	195	20		2% pyrite mainly as veins. Some brecciation with			.005	
304	323	196	19		pyrite and clay cement @ 233 - 242' and 290 - 297'.			.003	
					No calcite.			.003	
323.0	547.5				Black argillite with few slightly muddy sections.				
323	343	197	20		359': few ½" subangular clasts of very calcareous				
343	363	198	20		mudstone and 2 mm clast of calcite.			tr	
363	383	199	20		414': calcareous pebble with 2mm py rim.			tr	
383	403	200	20		435': very calcareous angular ½" pebble with			tr	
403	423	201	20		1 mm py rim.			tr	
423	433	202	20		460-467': Very calcareous light to dark green			tr	
433	460	203	27		siltstone with 1 mm calcite spherules @			tr	
460	467	204	7		461.9' - 462.3' and black argillite dyke ½"			tr	
467	487	205	20		wide @ 466' with angular calcareous fragments			tr	
487	507	206	20		like host rock. Largest calcite vein ½" @461			tr	
507	527	207	20		Bedding 50°-56° to C.A.			tr	

DIAMOND DRILL RECORD

Property SPECOGNA GOLD

Hole No. Q-75-4 Page No. 3 of 3 Length _____ Lat. _____ Dri

District _____ Bearing _____ Dept. _____ Ho

Commenced _____ Inclination _____ Elev. _____ Co

Completed _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag
323.0	547.5				Continued				
527	547	QN 208	20		Several pebbles and pebbly sections of calcareous			tr	
					sandstone within black argillite common below				
					490: 496', several pebbles 502-0.2' section.				
					520-0.1' section, 522-0.1' section, 527-0.3' section				
					537-0.1' section.				
					477: mud breccia dyke ½" wide.				
					Calcite veins not common below 500' but common above				
					Blebs, smears with veins of pyrite first 10' of				
					section and occasional similar sections throughout.				
					Bedding 43° to C.A. @ 477'.				
557.5	565.5				Porphyritic basalt 0.1 - 1 or 2 mm				
547	557	209	10		Phenocrysts of fspar in dark grey matrix.			tr	
557	566	210	9		0.3' chilled margins.			tr	
565.5	621.0				Black argillite as per 323.0 - 547.5'				
566	586	211	20		Several calcareous sections.			tr	
586	606	212	20					tr	
621.0	625.5				Light greenish grey vesicular flow rock.				
606	621	213	15		No calcite.			tr	
621	626	214	5		Minor frac. py ½%.			tr	
					Banding of vesicules 80°, 80° at 20° to C.A.				
625.5	632				Black argillite.				
626	632	215	6		1' @ 617' of brown calcareous mudstone with black			tr	
					argillite. Broken laminae.				
					Bedding 75° to C.A.				
632	713				Quartz eye feldspar rhyolite porphyry. 4% quartz				
632	652	216	20		eyes 2% feldspar phenos.				
652	672	217	20		½ - 1% pyrite along fractures with dissemination.			tr	
672	692	218	20		Banded clays 20° to 80° to C.A. 40°-50° commonest.			tr	
692	713	219	21		END OF HOLE			tr	

DIAMOND DRILL RECORD

BQ

Property SPECOGNA GOLD
Hole No. Q-75-5 Page No. 1 of 2
District Queen Charlotte Isls.
Commenced
Completed

Length 229'
Bearing 270°
Inclination 45°

Lat. 50,556
Dept. 50,129
Elev. 579

Dri
Ho
Co

Logged By
G.G. Richards

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag
					Averages ↓				
0	14				Casing				
14	54.5				Pebble conglomerate with subround dark porphyritic				
14	24	QN 220			andesite fragments. Pyrite rims and shells very				
24	34	221			common. Matrix is grey siltstone which above forms			.005	
34	44	222			a few <1' sections with bedding 73° to C.A.			.003	
44	54	223			Some ¼" graded beds.			.005	
					30% oxidized. No chlorite.			.010	
54	64.3	223			Well-bedded grey siltstone with bedding 61° to C.A.			.005	
					Few microfaults and slump structures. Cyclical				
					graded beds ¼". 10% oxidized.				
64.3	72.0				Pebble conglomerate. Subround ¼" – 2" pebbles are				
64	74	225			mainly felsic. Also some felsic-mafic sandstone			.010	.006
					5% carbon including .5' carbon @ 67'.				
					10% oxidized.				
72.0	127.0				Sandstone-siltstones with subangular to subround				
74	84	226			sandstone-siltstone fragments like host sediments.			.005	
84	94	227			Bedding weak.			.005	
94	104	228			Fine-grained sedimentary clasts with fine-grained			.010	
104	114	229			pyrite core and diffuse boundary (replacement?).			.005	
114	124	230						.025	
127.0	229.0				Pebble conglomerate. Mafic ± felsic pebbles. Some				
124	134	231			sandstone-siltstone sections and some highly			.070	
134	144	232			carbonaceous sections. Chlorite alteration of			.070	
144	154	233			mafics ± epidote throughout but not complete			.050	.036
154	164	234			(~10 - 30%) rest is pyrite after mafics.			.025	
164	174	235			Sandstone-siltstone @ 164-169: 208 - 222			.035	
174	184	236			Bull quartz vein 136-137. Quartz and breccia 169.4			.010	
184	194	237			-176 mostly, fr one 2" vein sub-parallel to core.			.015	

124-154: .06/30

DIAMOND DRILL RECORD

Property SPECOGNA GOLD

Hole No. Q-75-5 Page No. 2 of 2 Length _____ Lat. _____ Dr

District _____ Bearing _____ Dept. _____ Ho

Commenced _____ Inclination _____ Elev. _____ Co

Completed _____

FOOTAGE From	FOOTAGE To	SAMPLE No.	Length	% Rcy.		ASSAYS Cu	Mo	Au	Ag
194	204						04/10	I .040	
204	214							.010	
214	224							I .045	
224	229						05/15	I .050	

Averages