

181-# 82-4 8928

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GEOLOGICAL - GEOCHEMICAL

REPORT

ON THE

ARGEN PROPERTY

OF

ROCK CREEK JOINT VENTURE

Nature of Report: Geological, Geochemical
Claims Involved: Argen(L343) Rec. No. 2116, RCJV Nos. 1 - 6 incl.
Rec. Nos. 2273 - 2278 incl.
Mining Division: Greenwood
NTS Location: 82E/3
Latitude: 49°07'N
Longitude: 119°10'W
Registered Owner: Dayton Creek Silver Mines Ltd.
Operator: 1980 Rock Creek Joint Venture
Consultant: Allen Resource Consultants Ltd.
Author of Report: Guy Allen, P. Eng.
Date: January 14, 1981

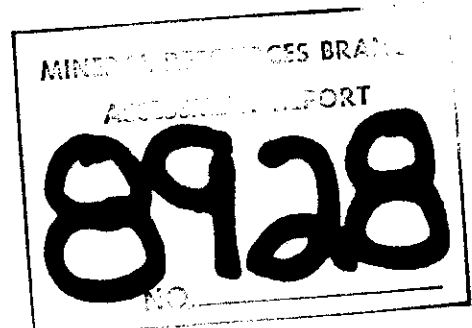


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PLATE NO. 1

ROCK CREEK JOINT VENTURE

ARGEN PROJECT

LOCATION MAP

Scale: 1 in. = 38 mi.

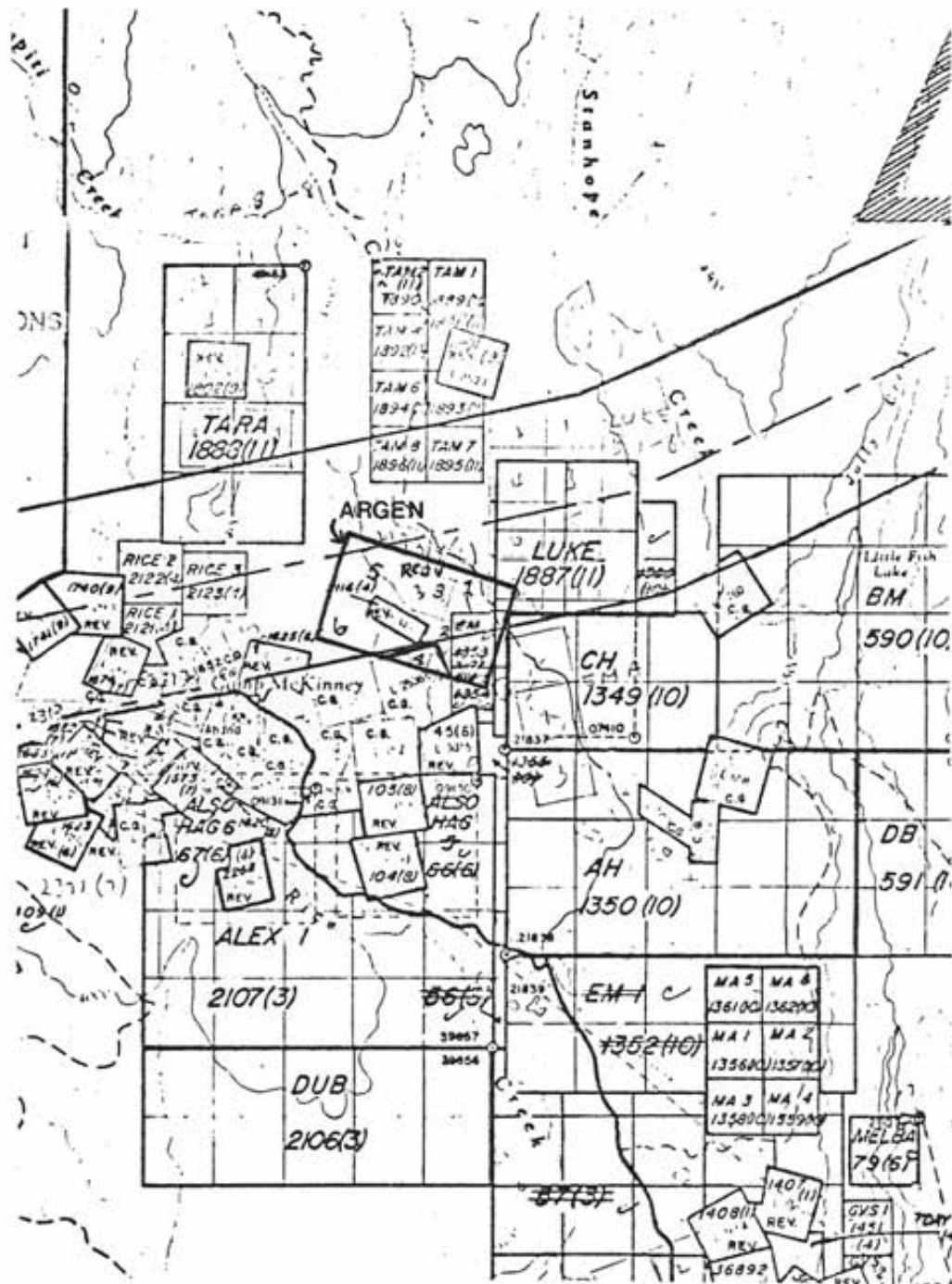


PLATE NO. 2

ROCK CREEK JOINT VENTURE
 ARGON PROJECT
CLAIMS MAP

Scale: 1::50,000

Introduction

A program of geological and geochemical exploration was conducted on the Argen property of the 1980 Rock Creek Joint Venture, during the summer of 1980. Six persons were employed running grid lines, collecting soil samples, mapping the geology of the claims, and sampling the present workings. These efforts involved a total of 27 man-days. Crews operated from a field camp eight miles northwest of Westbridge. The program was financed by the 1980 Rock Creek Joint Venture, under the supervision of Allen Resource Consultants Ltd.

Description of the Property

The Argen property consists of one reverted crown-granted mineral claim, the Argen (L343) Record No. 2116; and six located claims RCJV Nos. 1-6 inclusive, Record Nos. 2273-2278 inclusive. The claims are owned 100% by the 1980 Rock Creek Joint Venture, and are held in trust for the joint venture group by one of the group, the registered owner, Dayton Creek Silver Mines Ltd. The Argen claim has a present expiry date of April 8, 1980, whereas RCJV Nos. 1-6 inclusive expire on June 13, 1980. The claims are located in the Greenwood Mining Division, one mile northeast of Camp McKinney. More specifically, the location can be described as Latitude $49^{\circ}7'N$, and Longitude $119^{\circ}10'W$.

Access

The Camp McKinney-Mount Baldy road leaves the southern Trans-Canada Highway about nine miles west of Rock Creek, and passes about a mile to the southwest of the claims at Camp McKinney. There are a number of secondary roads in the area, one of which touches into the eastern portion of the claims. The access used during this years work was a recently bulldozed road along the right-of-way for the hydro line, which cuts through the western portion of the claims.

Topography

The claims area is marked by moderate to gentle notheast-facing slopes to Rock Creek. There is moderate forest cover with occasional areas of open grassland. The lower elevations are marked by swamps and muskeg. Trending southeest through the central portion of the claims are a number of glacial gravel ridges. Rock outcrop makes up only about 10% to 15% of the claims area.

History

There is no recorded history of work in this particular area. Past efforts are, however, evidenced by the old trenches and the Argen shaft.

Description of Workings

The Argen Shaft is located 300 feet @305°, then 215 feet @ 250° from the Initial Post of RCJV Nos. 3 and 4. The shaft measures 18 feet by 14 feet, and is estimated to be about 20 feet deep, with 10 feet of water. From the shaft, 30 feet @ 295° is a small caved pit, with a small dump. From the pit 150feet @ 300° is a ridge outcrop, from which scattered pockets of rock have been extracted.. From the ridge 75 feet @ 130° is a trench six feet long, two feet wide, and about a foot deep, that has slumped in.

Another set of workings is located immediately northwest of Station 10NW, 4SW. The trench nearest to the station is 20 feet long at a 70° strike. The trench is four feet wide, three feet deep and caved. A second trench lies 50 feet @ 10° from the first. It is 15 feet long at a 40° strike with a pit at the north end. The trench is three feet deep and four feet wide, and the pit measures seven feet by seven feet by seven feet. Pit and trench are both caved, but some rusty rock lies on the dump.

The only other set of workings observed lie partly within the

boundaries of the Wonder Y (Last Chance) claim, between Lines 3NW and 4NW, near Stations 4SW and 5SW. There are a considerable number of old trenches and pits in this area, but as the majority appeared to be off the Argen property, they were not mapped in detail.

Geology

The general Camp McKinney area is underlain primarily by meta-volcanics and meta-sediments of the Permian/Triassic Anarchist group, intruded by the acid to intermediate Nelson igneous assemblage. Locally, gneisses and schists of the older Paleozoic Monashee group occur in the western portions of the area. Some parts of the area are capped by Tertiary volcanic flows.

No igneous rocks were observed on the Argen property. All mapped lithologies are of a meta-sedimentary nature, grading from siliceous schist to quartzite. This assemblage belongs to the Anarchist group. Structurally, the rocks trend to strike north-south, with steep dips.

Figure No. 8 shows the geology of the claims area that was mapped. Reference to the numbering system used is described as follows.

- #1 Quartzite - close to source, trace of sand grains evident, speckled, salt and pepper, reddish in part, weathers dark grey, occasional fragment of vein quartz that is irregular and vuggy, white, milky with slight manganese stain, pyrite casts.
- #2 Quartzite - as above in outcrop. Strike east, dip 75°S. Rubble over a considerable area. An occasional piece of very fine-grained lithographic limestone, that is light buff to grey
- #3 Quartzite - as above in outcrop - dark grey to black on fresh surface
- #4 Trench - runs 10 meters east-west, and 10 meters southwest. It is three feet deep and three feet wide. There is considerable quartz on the dump with visible galena. Country rock is dark grey, fine-grained, partly rusty quartzite. A sample of mineralized quartz from the dump (#23202) assayed; gold - 0.056 oz/ton; silver - 12.0 oz/ton, and lead - 8.7%.
- #5 Quartzite - limy, fine-grained, variegated, light to medium grey.
- #6 Quartzite - very fine-grained, white to light grey, trace sand grains, weathers medium to dark grey, hard, dense, angular. Trace minor vein quartz in rubble. Scattered outcrop within local area.
- #7 Quartzite - as above, limy
- #8 Quartzite - dark grey to black, very fine-grained
- #9 Meta-sediment - slightly metamorphosed sandstone, salt and pepper, hard, dense, angular, partly rusty, grades to quartzite. Some white quartz in rubble, partly vuggy.

- #10 Quartzite - mottled, same as #5, with siliceous, chloritic schist, distorted, partly rusty, quartz rubble. Strike NW, dip 75°SW
- #11 Metasediment - banded quartzite to siliceous schist, salt and pepper, some rust, weathers dark grey.
- #12 same as #8
- #13 same as #11. Strike 148°. white quartz plug
- #14 Quartzite - extensive ridge varies from #11 to #8 types. Some minor quartz rubble
- #15 Quartzite - near trench, caved. rock similar to #8, only medium grey, rusty. Quartz is very vuggy with no visible sulphides
- #16 same as #10
- #17 Quartzite - dark grey to brown, hard, dense, partly rusty
- #18 Quartzite - salt and pepper, distorted, almost sandstone. Minor quartz veinlets, medium grey to buff, also dark grey to black, very fine-grained quartzite with pyrite, rusty.
- #19 Quartzite - extensive ridge with various varieties of quartzites, mainly mottled, grading to siliceous schist, also dark grey to black, partly rusty variety. Some quartz veinlets. Strike 340°, dip 80°NE.
- #21 Quartzite - very argillaceous, dirty, mottled brown and grey, trace quartz. Country rock around trenches is siliceous schist interbedded with dark grey quartzite. Country rock is rusty. Minor quartz is rusty and vuggy near south trench. Remnants of thin vein. Vein material from south trench sampled and assayed (#23223) gold - 0.017 oz/ton, silver - 1.00 oz/ton, and lead - 1.30%. Country rock around north trench much the same. Vein was not observed in place, but pieces on dump highly leached. Dump quartz assayed (#23222) gold - 0.011 oz/ton, silver - 0.19 oz/ton, and lead 0.18%.
- #22 Siliceous schist

Country rock at the Argen Shaft is a very siliceous meta-sediment, grading to quartzite. The strike and dip cannot be determined. The rock is highly fractured, banded, and jointed. The light blue-grey fresh surface contrasts with dark grey weathered exposures. The rock is cut by a quartz-infilled shear striking at 305°, and dipping 80°SW. The shear zone varies from 6 inches to two feet wide in the shaft and is very rusty. The quartz is mineralized with pyrite and galena. A sample taken of the dump material (#19837) assayed gold - 0.052 oz/ton, silver - 0.41 oz/ton. The vein, as exposed in the southeast side of the shaft was blasted with $\frac{1}{2}$ stick of Tovex to expose fresher material. A sample taken across 14 inches of the newly exposed vein (#23188) assayed gold - 0.07 oz/ton, silver - 1.4 oz/ton, and lead - 1%. A six-inch hole was then drilled into the vein and it was blasted a second time with $1\frac{1}{2}$ sticks Tovex. Vein exposed was 8 inches wide and was sampled (#23189) assaying gold - 0.016 oz/ton, silver - 0.56 oz/ton,

and lead - 0.69%.

In the vicinity of the Argen Shaft, two other samples were also taken for assay. Rusty material from the ridge 180 feet to the northwest (#19836) assayed gold - less than 0.003 oz/ton, silver - less than 0.01 oz/ton. The trench, 75 feet southeast of the ridge yielded gold - less than 0.003 oz/ton, silver - 0.03 oz/ton from a dump sample (#19835).

Geochemistry

A 100 meter by 50 meter grid was laid out by chain and compass over approximately 70% of the property. Lines and stations were flagged with ribbon. Soil samples were collected at the stations from the B soil horizon, which in this area is located at depths ranging from 2 inches to 10 inches below the surface. Sample material was stored in pre-numbered, waterproof, kraft-paper envelopes, which were allowed to dry, and then sent to Chemex Labs Ltd. in Calgary for analyses. For analyses, the samples were sieved to the -80 fraction, subjected to perchloric acid digestion, and analyzed for copper, lead, zinc, silver, and arsenic by atomic adsorption. Gold analyses were run by fire assay.

The analytical results were plotted on a frequency histogram for each metal (see Plates Nos. 3 to 8 inclusive. From visual examination of the histograms, three concentration levels (with the exception of silver), which were considered high background to anomalous were defined. These levels were used as contour levels on the geochemical maps (see Figures Nos 1 to 6 inclusive). Figure No. 7 is a composite of the more anomalous areas for each metal superimposed.

Examination of Figure No. 7 shows anomalous geochemical areas at a number of locations. The more significant of these, which warrant further work are: a two hundred meter zone trending north-northwest from Station 3NW,4SW; an area extending from the Argen Shaft and east

PLATE NO.3

ROCK CREEK JOINT VENTURE ARGEN PROJECT

FREQUENCY HISTOGRAM OF LEAD IN SOILS (ppm)

F
R
E
Q
U
E
N
C
Y

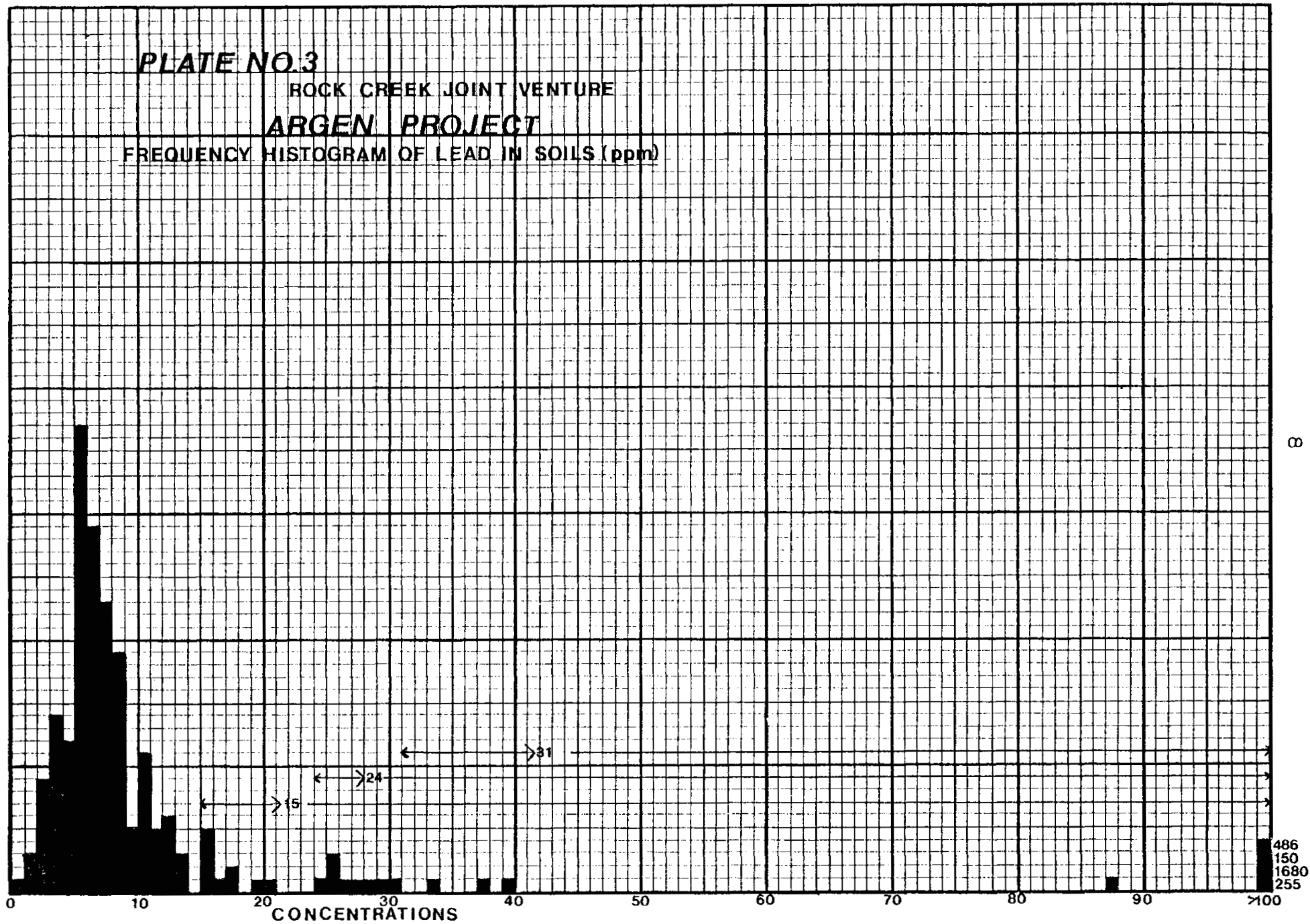


PLATE NO. 4
ROCK CREEK JOINT VENTURE
ARGEN PROJECT

FREQUENCY HISTOGRAM OF ZINC IN SOILS (ppm)

**F
R
E
Q
U
E
N
C
Y**

20

10

0

50

100

150

200

250

300

**C
O
N
C
E
N
T
R
A
T
I
O
N
S**

> 70

> 250

> 300

1368
500
440
392
365
363
363
354

GRAND & TOY

D21-1 GRAPH SHEET 8 1/2 X 11 10 SPACES TO 1 INCH

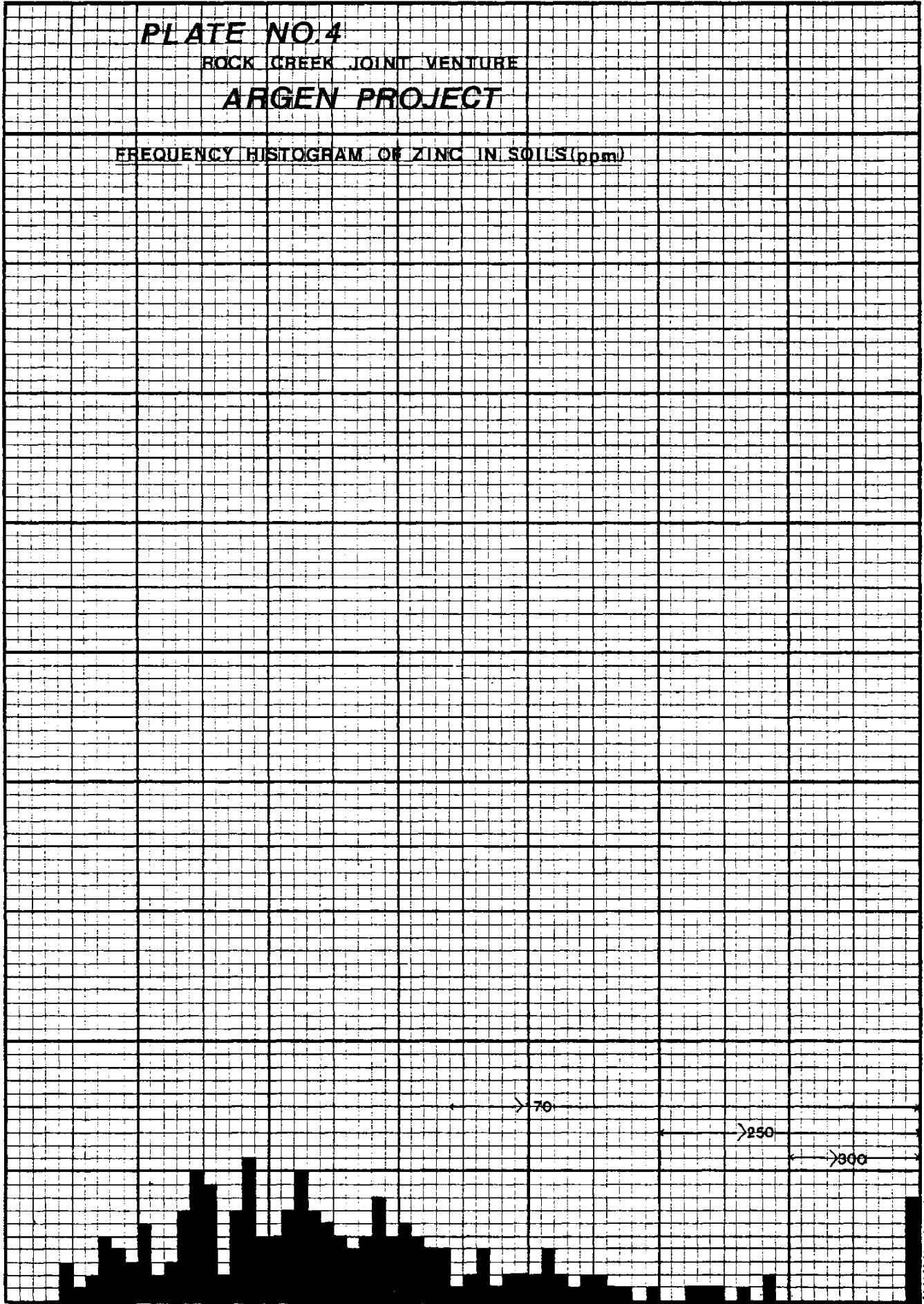


PLATE NO.5
ROCK CREEK JOINT VENTURE
ARGEN PROJECT

FREQUENCY HISTOGRAM OF COPPER IN SOILS (ppm)

F
R
E
Q
U
E
N
C
Y

10

20

10

0

10

20

30

40

50

60

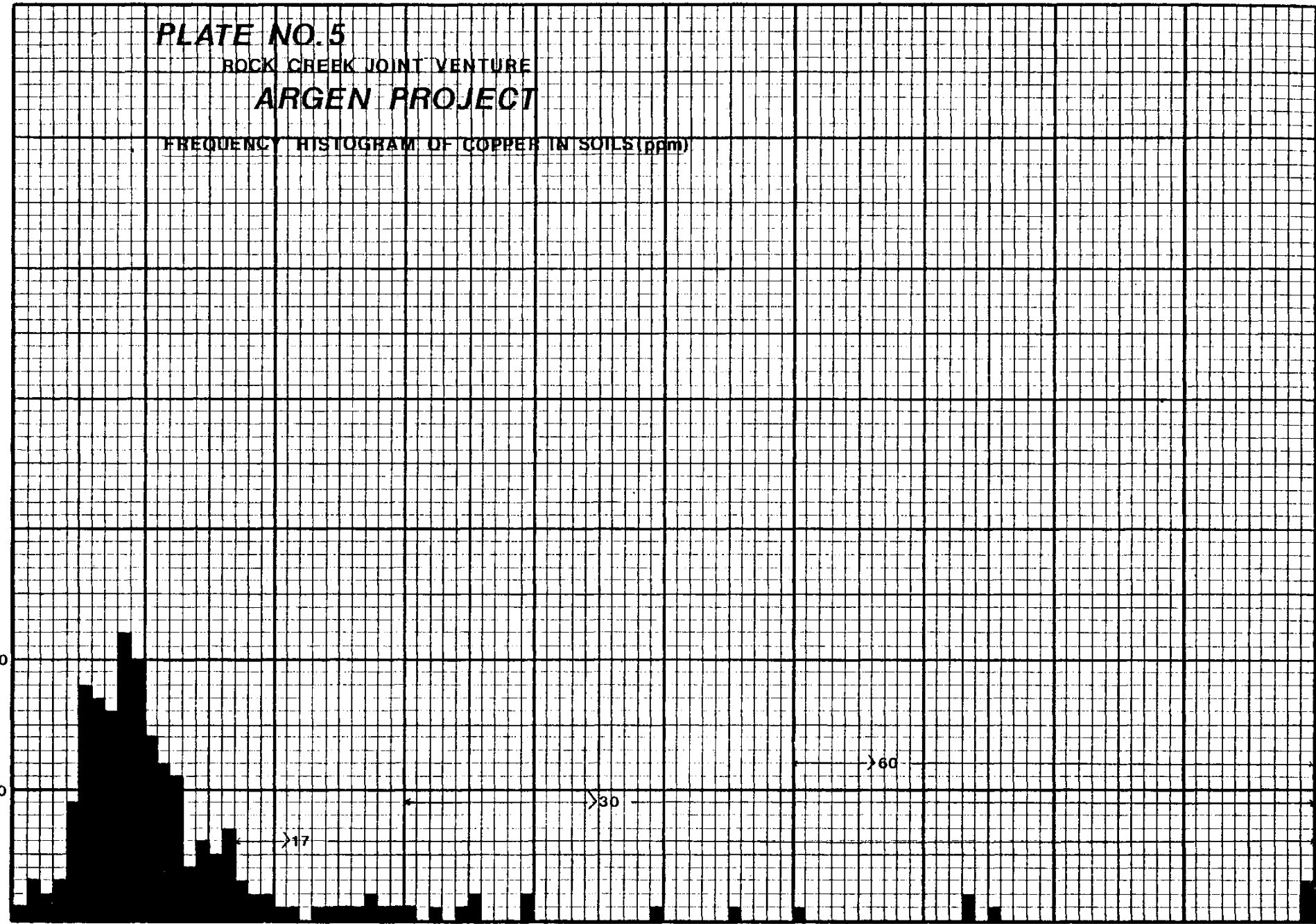
70

80

90

CONCENTRATIONS

197
132
190



GRAND & TOY

PLATE NO.6

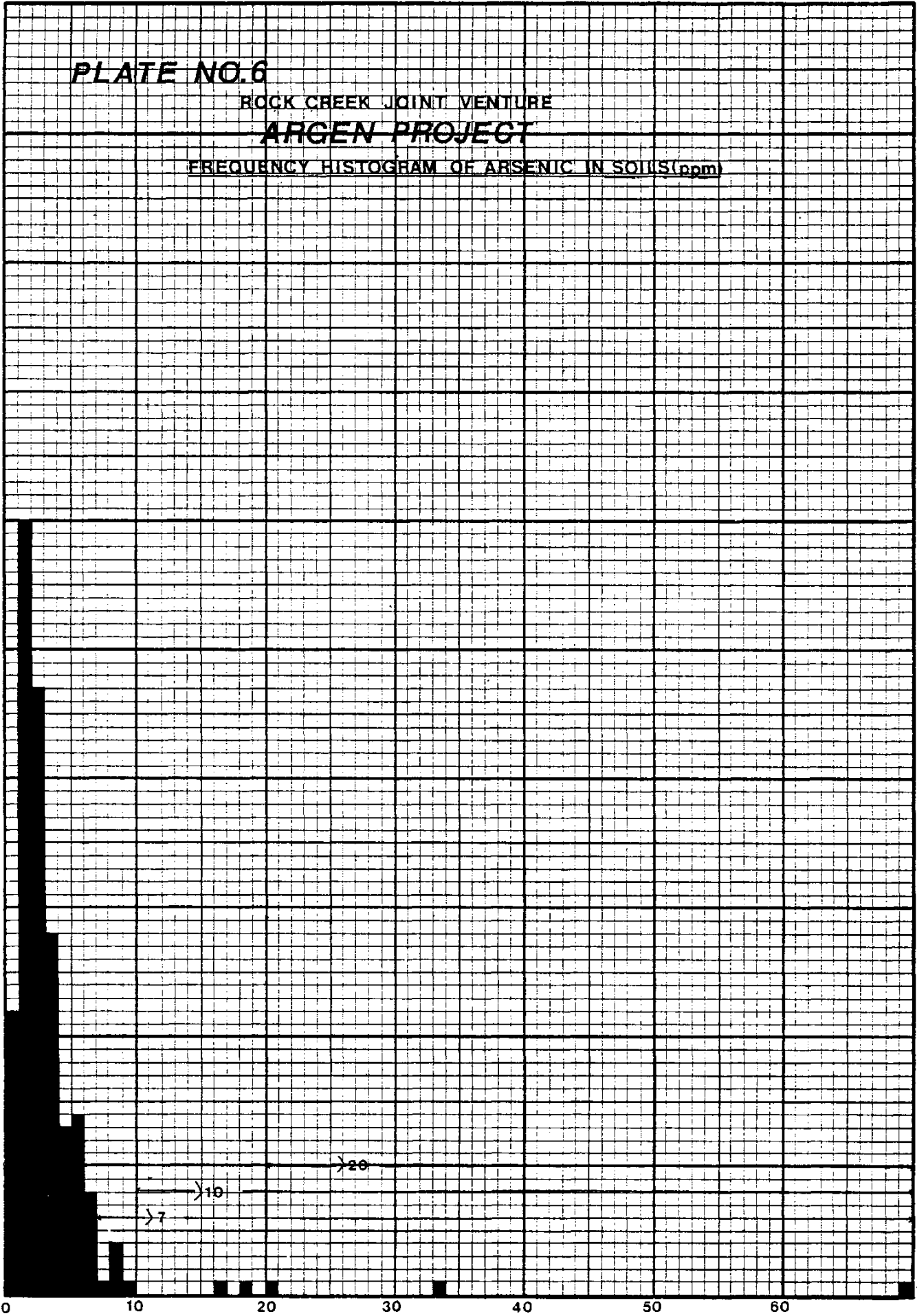
ROCK CREEK JOINT VENTURE

ARGEN PROJECT

FREQUENCY HISTOGRAM OF ARSENIC IN SOILS(ppm)

CONCENTRATIONS

60
50
40
30
20
10



CONCENTRATIONS

D21-1 GRAPH SHEET 8 1/2 x 11 10 SPACES TO 1 INCH

135

GRAND & TOY

PLATE NO. 7

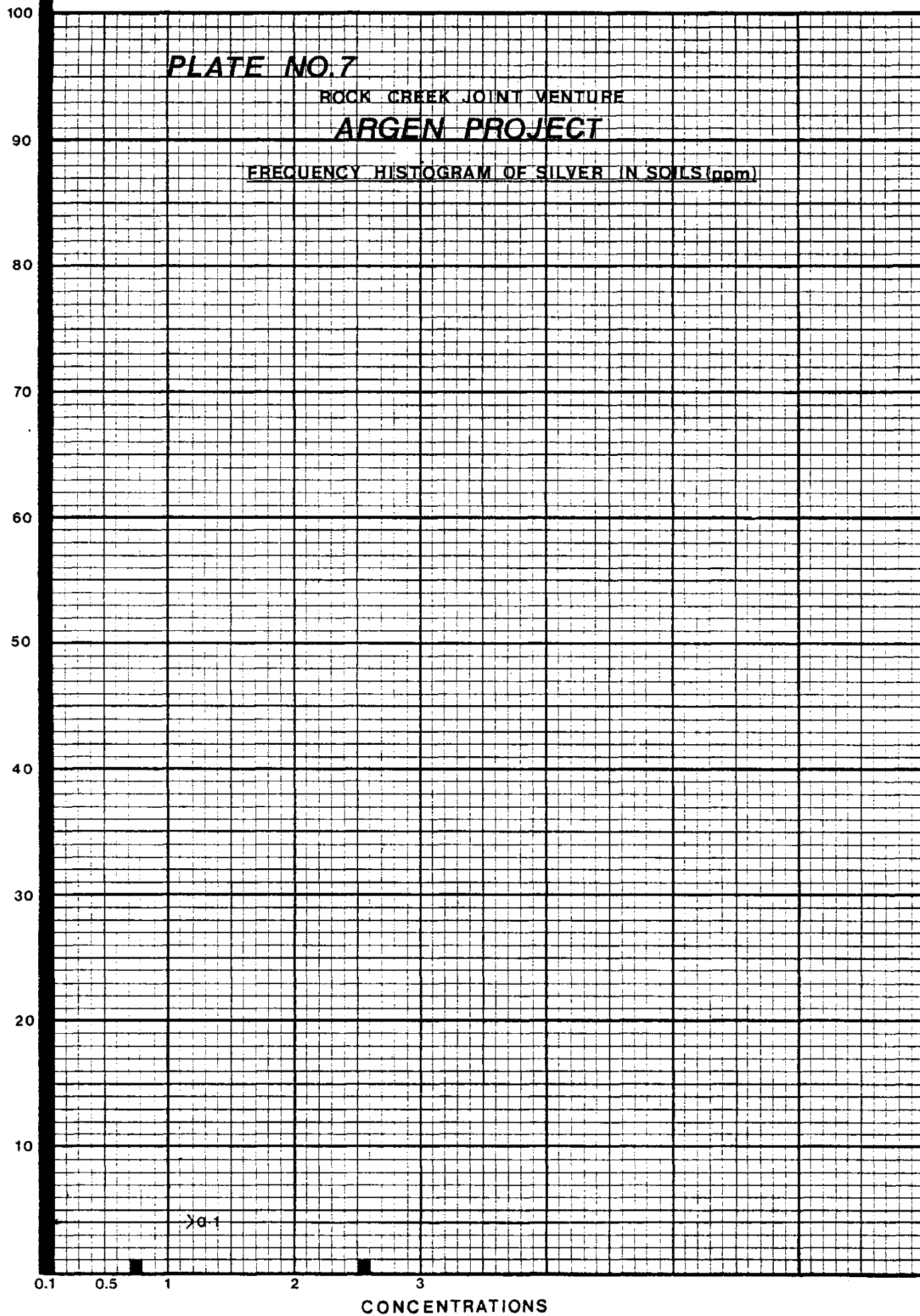
ROCK CREEK JOINT VENTURE

ARGEN PROJECT

FREQUENCY HISTOGRAM OF SILVER IN SOILS (ppm)

FREQUENCY

D21-1 GRAPH SHEET 8 1/2 x 11 10 SPACES TO 1 INCH



CONCENTRATIONS

PLATE NO.8

ROCK CREEK JOINT VENTURE

ARGEN PROJECT

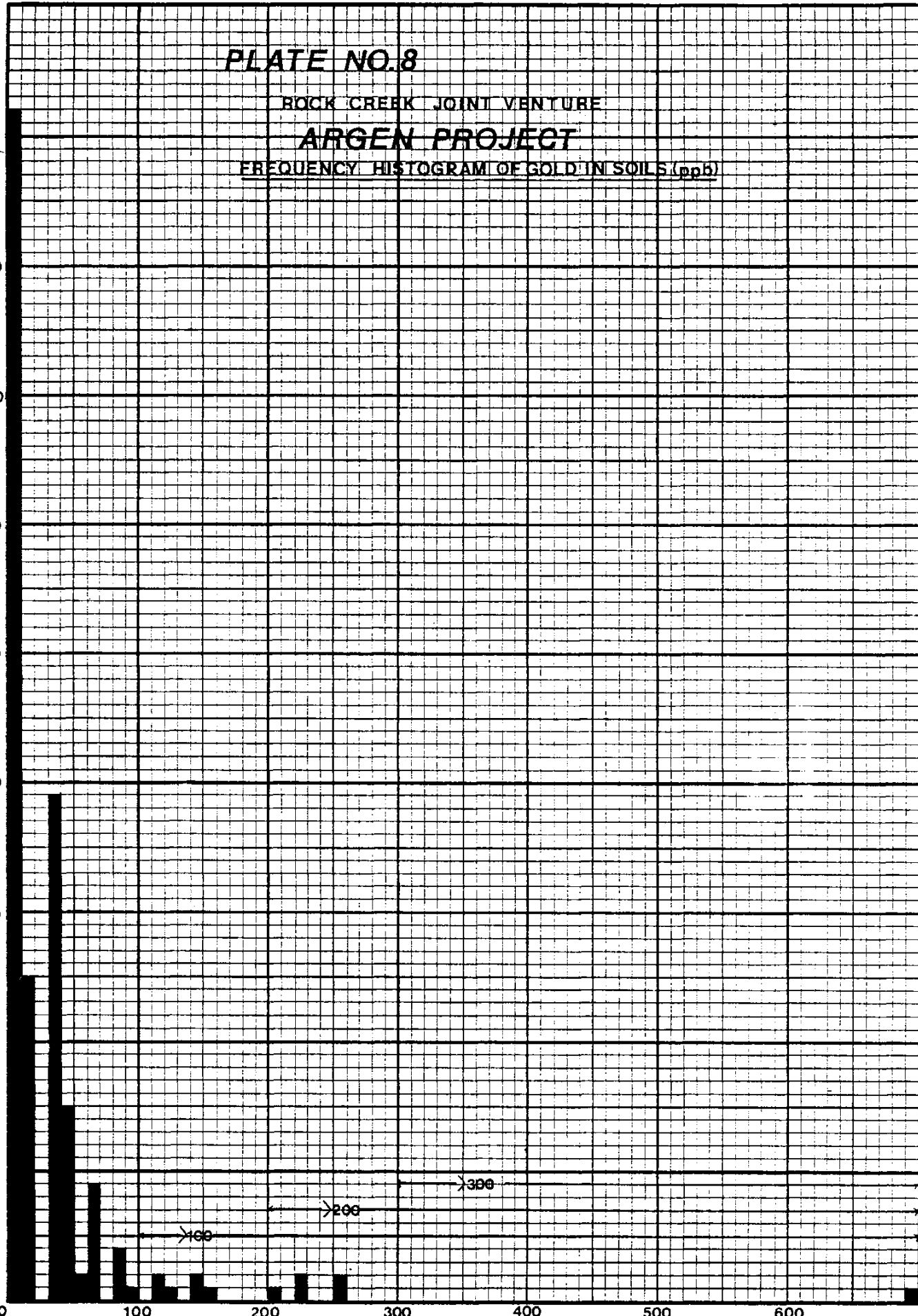
FREQUENCY HISTOGRAM OF GOLD IN SOILS (ppb)

GRAND & TOY

D21-1 GRAPH SHEET 8 1/2 x 11 10 SPACES TO 1 INCH

FREQUENCY

90
80
70
60
50
40
30
20
10
0



CONCENTRATIONS

790

to the baseline, and in the general area of Stations 6NW,0, and 6+ 24NW,0; the general area surrounding the trenches near 10NW,4SW; and the source of a very high lead value (486ppm) at Station 11NW,1SW.

Conclusions

1. Approximately 70% of the Argen claims area was gridded, geologically mapped, and geochemical soil samples collected, analyzed, and evaluated. A number of old, unreported workings were located, examined, and sampled for assay.
2. Geological mapping showed the interest area to be underlain by a series of siliceous meta-sediments of the Anarchist group.
3. Mineralization, where observed, was in the form of pyrite, and galena in vein quartz. The veins occurred in shears, or along bedding planes in the country rocks.
4. Assays of mineralized material were generally low in silver and gold. The most notable exception was from the dump sample taken at the Wonder Y (Last Chance) workings where 12.0 oz/ton silver and 8.7% lead was returned.
5. The geochemical survey defined four areas of interest that warrant further work.

Recommendations

1. Attempt to acquire rights to the Wonder Y (Last Chance) claim, either through lease or purchase.
2. Lay out 20 meter by 10 meter grids: over the area of the workings on the Wonder Y (Last Chance) and adjacent Argen land, as well as the strong trend of coincident geochemical anomalies that runs from 3NW,4SW to 5NW,2SW; the general area around the trenches near 10NW,4SW; over the lead anomaly trend that runs from 11NW,1SW to 11+65NW,2SW; and over the general area from 6NW,1NE to the Argen Shaft. Detailed prospecting, geological mapping, and geochemical soil sampling should

then be carried out over these detailed grids. The workings around the Wonder Y (Last Chance) and the Argen claims, that show evidence of mineralized rock should be cleaned up, and fresh rock exposed by blasting. The same approach should be taken with the trenches near 10NW,4SW.

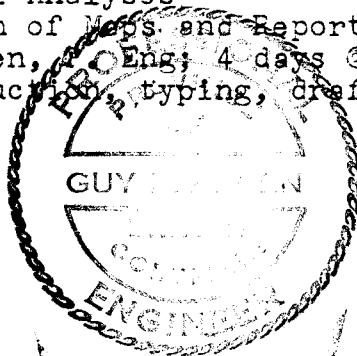
Any areas giving positive results on the basis of this work could be further evaluated by detailed geophysics and short-hole drilling in a subsequent phase of exploration.

Cost Estimates - Phase II - 1981

1. Preparation of detailed grids; 12 man/days @ \$65	\$780.00
2. Geological Mapping; 4 days @ \$200	\$800.00
3. Geochemical sampling; 12 man/days @ \$65	\$780.00
4. Cleaning trenches, blasting & sampling	\$1,000.00
5. Rock assays; 30 samples @ \$10	\$300.00
6. Geochemical Analyses; 300 samples @ \$6	\$1,800.00
7. Crew meals & Miscellaneous: 28 man/ days @ \$15	\$420.00
8. Preparation of Maps and Reports	\$1,500.00
9. Consulting and Supervision	\$1,000.00
	<hr/>
Sub-Total	\$8,380.00
10. Contingencies @ 15%	\$1,257.00
	<hr/>
Total	\$9,637.00

Certificate of Expenditures

1. Crew Contract Services	
(a) Guy Allen, P. Eng - Geol. mapping; 4 days @ \$150	\$600.00
Blasting and sampling; 1 day @ \$150	\$150.00
(b) Clifford Runham - running baseline; 2 days @ \$125	\$250.00
(c) Barbara Osborne - running grid lines & soil sampling	
4 days @ \$65	\$260.00
(d) Lisa Runham - running line and soil sampling	
4 days @ \$65	\$260.00
(e) David Allen - running grid lines; 8 days @ \$65	\$520.00
(f) Jennifer Allen - soil sampling; 4 days @ \$65	\$260.00
2. Meals, camp costs & miscellaneous; 27 man/days @ \$15	\$405.00
3. Vehicle mileage; 940 miles @ 35¢	\$329.00
4. Assays;	\$71.00
5. Geochemical Analyses	\$2,264.00
6. Preparation of Maps and Reports	
Guy Allen, P. Eng; 4 days @ \$150	\$600.00
7. Map reproduction, typing, drafting and xerox	\$364.00
	<hr/>
Total	\$6,333.00



Expiry Date April 22, 1981

Guy Allen
Guy Allen, P. Eng.
January 14, 1981

APPENDIX * ASSAY RESULTS



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CERTIFICATE OF ANALYSIS

• MINERAL • GAS • WATER • OIL • SOILS • VEGETATION • ENVIRONMENTAL ANALYSIS

Allen Resource Consultants
 Geochemical analyses


DATE July 29, 1980

PROJECT NO. 9280-1-736

Page 1 of 1

LOCATION	Cu %	Mo %	Pb %	Zn %	Ag oz/ton	Au oz/ton
19835	-	-	-	-	0.03	<0.003 Argen
36	-	-	-	-	0.01	<0.003 Argen
37	-	-	-	-	0.41	0.052 Argen
38	-	-	0.47	3.70	1.31	<0.003
39	0.02	-	-	-	0.01	<0.003
40	-	-	-	-	0.01	<0.003
41	-	-	-	-	0.03	<0.003
42	-	-	-	-	0.09	<0.003
43	-	-	-	-	-	<0.003
44	-	-	-	-	-	<0.003
45	-	-	-	-	0.01	<0.003
46	-	-	-	-	0.02	<0.003
47	0.01	0.007	-	-	0.01	<0.003
48	0.01	0.001	-	-	0.01	<0.003
49	0.02	0.005	-	-	0.01	<0.003
50	0.01	0.008	-	-	0.02	<0.003
19851	0.01	0.444	-	-	0.03	<0.003



Certified by: 

APPENDIX * GEOCHEMICAL ANALYSES



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DATE AUG 8/80

PROJECT NO. 9280-1-1017

GEOCHEMICAL ANALYSES

PAGE: 1 OF 6

SAMPLE NUMBER	PB PPM	ZN PPM	CU PPM	AS PPM	AG PPM
0 1NE	9	113	11	2	<.1
0 2NE	9	139	20	3	<.1
0 3NE	8	153	11	2	<.1
0 00NE	7	90	10	3	<.1
0 1 SW	9	65	9	3	<.1
0 2 SW	6	80	9	3	<.1
0 3 SW	8	95	9	5	<.1
0 4 SW	5	60	7	3	<.1
0 5 SW	7	143	7	7	<.1
0 6 SW	8	185	9	4	<.1
0 7 SW	7	156	7	2	<.1
0 8 SW	7	76	12	6	<.1
0 9 SW	9	122	8	6	<.1
0 10 SW	8	167	10	7	<.1
1 NW 1 NE	6	139	6	2	<.1
1 NW 2 NE	10	222	10	3	<.1
1 NW 3 NE	7	128	11	3	<.1
1 NW 4 NE	9	189	16	4	<.1
1 NW 0	9	157	12	3	<.1
1 NW 15 W	8	118	9	3	<.1
1 NW 25 W	7	109	9	3	<.1
1 NW 35 W	3	47	5	2	<.1
1 NW 45 W	4	87	15	3	<.1
1 NW 55 W	8	132	12	6	<.1
1 NW 65 W	7	130	10	4	<.1
1 NW 75 W	6	78	9	4	<.1
1 NW 85 W	9	144	12	10	<.1
1 NW 95 W	8	91	16	6	<.1
1 NW 105 W	8	71	10	9	<.1
2 NW 1 NE	7	153	10	2	<.1
2 NW 0	5	89	7	2	<.1
2 NW 15 W	5	127	11	3	<.1
2 NW 25 W	6	119	9	3	<.1
2 NW 35 W	6	113	9	4	<.1
2 NW 45 W	3	66	8	4	<.1
2 NW 55 W	5	155	13	4	<.1
2 NW 65 W	6	229	16	4	<.1
2 NW 75 W	16	263	25	21	<.1
2 NW 85 W	5	150	12	18	<.1
2 NW 95 W	2	72	15	4	<.1



Certified by *[Signature]*



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ALLEN RESOURCES CONSULTANTS
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DATE AUG 18/80
 PROJECT NO. 9280-1-1017
 PAGE: 2 OF 6

GEOCHEMICAL ANALYSES

SAMPLE NUMBER	PB PPM	ZN PPM	CU PPM	AS PPM	AG PPM
2 NW 10 SW	13	121	17	5	<.1
3 NW 1 NE	3	112	7	2	<.1
3 NW 2 NE	8	210	14	2	<.1
3 NW 3 NE	6	45	12	1	<.1
3 NW 0	6	143	8	2	<.1
3 NW 1 SW	6	200	5	3	<.1
3 NW 2 SW	27	365	16	5	<.1
3 NW 3 SW	8	104	40	4	<.1
3 NW 4 SW	255	363	21	17	<.1
3 NW 5 SW	8	98	14	5	<.1
3 NW 6 SW	40	144	13	5	<.1
3 NW 7 SW	4	55	6	2	<.1
3 NW 8 SW	8	170	22	3	<.1
3 NW 9 SW	6	209	33	3	<.1
3 NW 10 SW	12	199	8	4	<.1
4 NW 1 NE	7	94	13	4	<.1
4 NW 2 NE	6	120	7	2	<.1
4 NW 3 NE	6	122	10	3	<.1
4 NW 4 NE	4	52	6	2	<.1
4 NW 0	5	139	6	3	<.1
4 NW 1 SW	16	440	28	4	<.1
4 NW 2 SW	14	215	17	5	<.1
4 NW 3 SW	1680	1368	61	135	2.6
4 NW 4 SW	9	145	10	34	<.1
4 NW 5 SW	4	55	11	2	<.1
4 NW 6 SW	7	112	17	2	<.1
4 NW 7 SW	31	184	15	9	<.1
4 NW 8 SW	13	116	18	5	<.1
4 NW 9 SW	8	62	13	2	<.1
4 NW 10 SW	6	73	9	4	<.1
5 NW 1 NE	5	93	7	2	<.1
5 NW 2 NE	4	58	6	1	<.1
5 NW 3 NE	4	69	7	2	<.1
5 NW 4 NE	6	150	16	2	<.1
5 NW 5 NE	7	150	8	3	<.1
5 NW 0	8	283	76	5	<.1
5 NW 15 W	4	97	10	5	<.1
5 NW 25 W	34	192	24	7	<.1
5 NW 35 W	9	72	15	8	<.1
5 NW 45 W	4	73	20	6	<.1



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ALLEN RESOURCES CONSULTANTS
 BOX 7248, STATION "E"
 CALGARY, ALBERTA
 T3C 3M1

DATE AUG 18/80
 PROJECT NO. 9280-1-1017

GEOCHEMICAL ANALYSES

PAGE: 3 OF 6

SAMPLE NUMBER	PB PPM	ZN PPM	CU PPM	AS PPM	AG PPM
5 NW 55 W	21	132	15	3	<.1
5 NW 65 W	7	39	29	3	<.1
5 NW 75 W	18	159	36	6	<.1
5 NW 85 W	12	117	11	4	<.1
5 NW 95 W	9	143	7	5	<.1
5 NW 105 W	14	75	11	6	<.1
5,60 NW 1 NE	11	178	8	6	<.1
5,60 NW 2 NE	7	99	8	1	<.1
5,60 NW 3 NE	10	109	8	3	<.1
5,60 NW 4 NE	6	73	7	2	<.1
5,60 NW 5 NE	8	139	9	3	<.1
5,60 NW 0	12	144	6	3	<.1
6 NW 1 NE	25	354	31	3	<.1
6 NW 3NEX	2	25	2	2	<.1
6 NW 3 NEY	7	72	3	1	<.1
6 NW 4 NE	7	114	13	2	<.1
6 NW 5 NEX	7	158	10	2	<.1
6 NW 5 NEY	6	55	4	2	<.1
6 NW 6 NE	10	45	11	2	<.1
6 NW 0	26	291	28	3	<.1
6 NW 15 W	6	210	56	4	<.1
6 NW 25 W	11	91	8	3	<.1
6 NW 35W	6	31	6	2	<.1
6 NW 45W	6	49	6	2	<.1
6 NW 55 W	7	73	5	2	<.1
6 NW 65 W	9	93	10	3	<.1
6 NW 75 W	6	108	10	2	<.1
6 NW 85 W	9	110	9	3	<.1
6 NW 95 W	7	96	11	4	<.1
6 NW 105 W	7	178	6	7	<.1
6,24 NW 0	26	392	36	4	<.1
6,24 NW 1 NE	11	247	9	2	<.1
6,24 NW 2 NE	7	266	14	2	<.1
6,24 NW 3 NE	11	164	12	3	<.1
6,24 NW 4 NE	6	182	13	2	<.1
6,24 NW 5 NE	7	121	11	2	<.1
6,24 NW 6 NE	4	40	8	1	<.1
7 NW 1 NE	11	153	12	2	<.1
7 NW 2 NE	6	182	6	2	<.1
7 NW 3 NE	5	36	5	<1	<.1



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DATE

PROJECT NO.

PAGE: 4 OF 6

SAMPLE NUMBER	Pb	Zn	Cu	As	Ag
7 NW 4NE	1	21	2	1	<.1
7 NW 5 NE	7	70	8	3	<.1
7 NW 6 NE	6	148	9	1	<.1
7 NW 1 SW	150	226	7	5	<.1
7 NW 2 SW	9	88	8	3	<.1
7 NW 3 SW	17	104	12	6	<.1
7 NW 4 SW	3	101	5	2	<.1
7 NW 5 SW	6	134	13	2	<.1
7 NW 6 SW	3	92	10	3	<.1
7 NW 7 SW	3	93	10	4	<.1
7 NW 8 SW	11	122	11	6	<.1
7 NW 9 SW	5	160	11	6	<.1
7 NW 10 SW	10	113	14	6	<.1
8 NW 1 NE	7	165	7	2	<.1
8 NW 2 NE	11	225	10	2	<.1
8 NW 3 NE	8	106	30	2	<.1
8 NW 4 NE	5	38	6	1	<.1
8 NW 5 NE	7	69	4	1	<.1
8 NW 0	20	93	17	3	<.1
8 NW 1 SW	7	154	19	3	<.1
8 NW 2 SW	7	66	7	3	<.1
8 NW 3 SW	11	115	9	6	<.1
8 NW 4 SW	9	123	50	4	<.1
8 NW 5 SW	10	96	15	4	<.1
8 NW 6 SW	12	83	10	7	<.1
8 NW 7 SW	5	120	19	6	<.1
8 NW 8 SW	28	118	17	9	<.1
8 NW 9 SW	13	94	9	7	<.1
8 NW 10 SW	12	89	11	7	<.1
9 NW 1 NE	9	363	74	2	<.1
9 NW 2 NE	7	207	17	2	<.1
9 NW 3 NE	6	115	10	2	<.1
9 NW 4 NE	8	148	10	2	<.1
9 NW 5 NE	6	22	10	<1	<.1
9 NW 0	6	40	6	1	<.1
9 NW 1 SW	9	79	9	3	<.1
9 NW 2 SW	8	70	17	2	<.1
9 NW 3 SW	13	72	26	2	<.1
9 NW 4 SW	18	293	132	3	<.1
9 NW 5 SW	13	130	18	2	<.1



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CERTIFICATE OF ANALYSIS

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DATE

PROJECT NO.

PAGE: 5 OF 6

SAMPLE NUMBER	Pb	Zn	Cu	As	Ag
9NW6SW	6	61	9	2	<.1
9NW7SW	14	500	9	3	<.1
9NW8SW	6	88	5	2	<.1
9NW9SW	5	80	5	1	<.1
9NW10SW	6	91	6	2	<.1
10NW1NE	9	128	35	2	<.1
10NW2NE	16	70	190	<1	<.1
10NW3NE	7	235	8	2	<.1
10NW4NE	6	142	7	2	<.1
10NW0	9	90	12	2	<.1
10NW1SW	6	84	6	2	<.1
10NW2SW	6	126	5	3	<.1
10NW3SW	11	192	12	5	<.1
10NW4SW	88	275	7	7	<.1
10NW5SW	38	166	8	9	<.1
10NW6SW	26	203	40	4	<.1
10NW7SW	11	240	13	3	<.1
10NW8SW	4	30	6	1	<.1
10NW9SW	6	112	.9	2	<.1
10NW10SW	8	104	13	4	<.1
11NW1NE	9	80	9	4	<.1
11NW0	8	137	9	3	<.1
11NW1SW	486	215	13	3	<.1
11NW2SW	11	162	10	4	<.1
11NW3SW	4	114	6	3	<.1
11NW4SW	8	80	9	5	<.1
11NW5SW	16	168	197	5	.8
11NW6SW	3	44	2	3	<.1
11NW7SW	4	52	5	<1	<.1
11NW8SW	4	47	4	1	<.1
11NW9SW	6	153	7	2	<.1
11NW10SW	13	80	74	1	<.1
12NW0	2	31	3	<1	<.1
12NW1SW	8	110	27	1	<.1
12NW2SW	29	219	13	4	<.1
12NW3SW	16	105	12	2	<.1
12NW4SW	8	108	7	3	<.1
12NW5SW	30	163	18	3	<.1
12NW6SW	6	201	8	4	<.1
12NW7SW	3	76	8	2	<.1



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 T3C 3M1

DATE AUG 21/80
 PROJECT NO. 9280-1-1017

GEOCHEMICAL ANALYSES

PAGE: 2 OF 6

SAMPLE NUMBER	AU PFB
2 NW 10 SW	<10
3NW 1NE	<10
3NW 2NE	<10
3NW 3 NE	<10
3NW 0	<10
3NW 1SW	<10
3NW 2 SW	<10
3NW 3SW	<10
3NW 4SW	<10
3NW 5SW	<10
3NW 6SW	<10
3NW 7SW	<10
3NW 8SW	<10
3NW 9SW	<10
3NW 10SW	<10
4NW 1NE	<10
4NW 2NE	<10
4NW 3NE	<10
4NW 4NE	<10
4NW 0NE	<10
4NW 1SW	<10
4NW 2SW	<10
4NW 3SW	210
4NW 4SW	15
4NW 5SW	35
4NW 6SW	35
4NW 7SW	55
4NW 8SW	<10
4NW 9SW	<10
4NW 10SW	<10
5NW 1NE	35
5NW 2NE	15
5NW 3NE	50
5NW 4NE	15
5NW 5NE	<10
5NW 0 NE	35
5NW 1SW	35
5NW 2SW	<10
5NW 3SW	<10
5NW 4SW	15



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DATE AUG 21/80
 PROJECT NO. 9280-1-1017
 PAGE: 3 OF 6

GEOCHEMICAL ANALYSES

SAMPLE NUMBER	AU PPB
5NW 5SW	<10
5NW 6SW	<10
5NW 7SW	<10
5NW 8SW	<10
5NW 9SW	<10
5NW 10SW	70
5,60NW 1NE	50
5,60NW 2NE	50
5,60NW 3NE	<10
5,60NW 4NE	<10
5,60NW 5NE	<10
5,60NW 0	<10
6NW 1NE	35
6NW 3 NEX	<10
6NW 3 NEY	<10
6NW 4NE	15
6NW 5NEX	<10
6NW 5NEY	<10
6NW 6NE	35
6NW 0	35
6NW 1SW	50
6NW 2SW	50
6NW 3SW	50
6NW 4SW	70
6NW 5SW	35
6NW 6SW	<10
6NW 7SW	70
6NW 8SW	15
6NW 9SW	<10
6NW 10SW	35
5,24NW 0	70
6,24 1NE	35
6,24 2NE	<10
6,24 3NE	35
6,24 4NE	<10
6,24 5NE	<10
6,24 6NE	<10
7NW 1NE	<10
7NW 2NE	<10
7NW 3NE	15



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DATE AUG 21/80
 PROJECT NO. 9280-1-1017

GEOCHEMICAL ANALYSES

PAGE: 4 OF 6

SAMPLE NUMBER	AU PPB
7NW 4NE	<10
7NW 5NE	70
7NW 6NE	70
7NW 1SW	100
7NW 2SW	130
7NW 3SW	50
7NW 4SW	15
7NW 5SW	35
7NW 6SW	15
7NW 7SW	<10
7NW 8SW	.50
7NW 9SW	225
7NW 10SW	35
8NW 1NE	50
8NW 2NE	<10
8NW 3NE	70
8NW 4NE	15
8NW 5NE	<10
8NW 0	35
8NW 1SW	50
8NW 2SW	35
8NW 3SW	35
8NW 4SW	90
8NW 5SW	15
8NW 6SW	35
8NW 7SW	790
8NW 8SW	115
8NW 9SW	15
8NW 10SW	35
9NW 1NE	35
9NW 2NE	35
9NW 3NE	35
9NW 4NE	50
9NW 5NE	50
9NW 0	35
9NW 1SW	60
9NW 2SW	115
9NW 3SW	50
9NW 4SW	15
9NW 5SW	50



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DATE AUG 21/80

PROJECT NO. 9280-1-1017

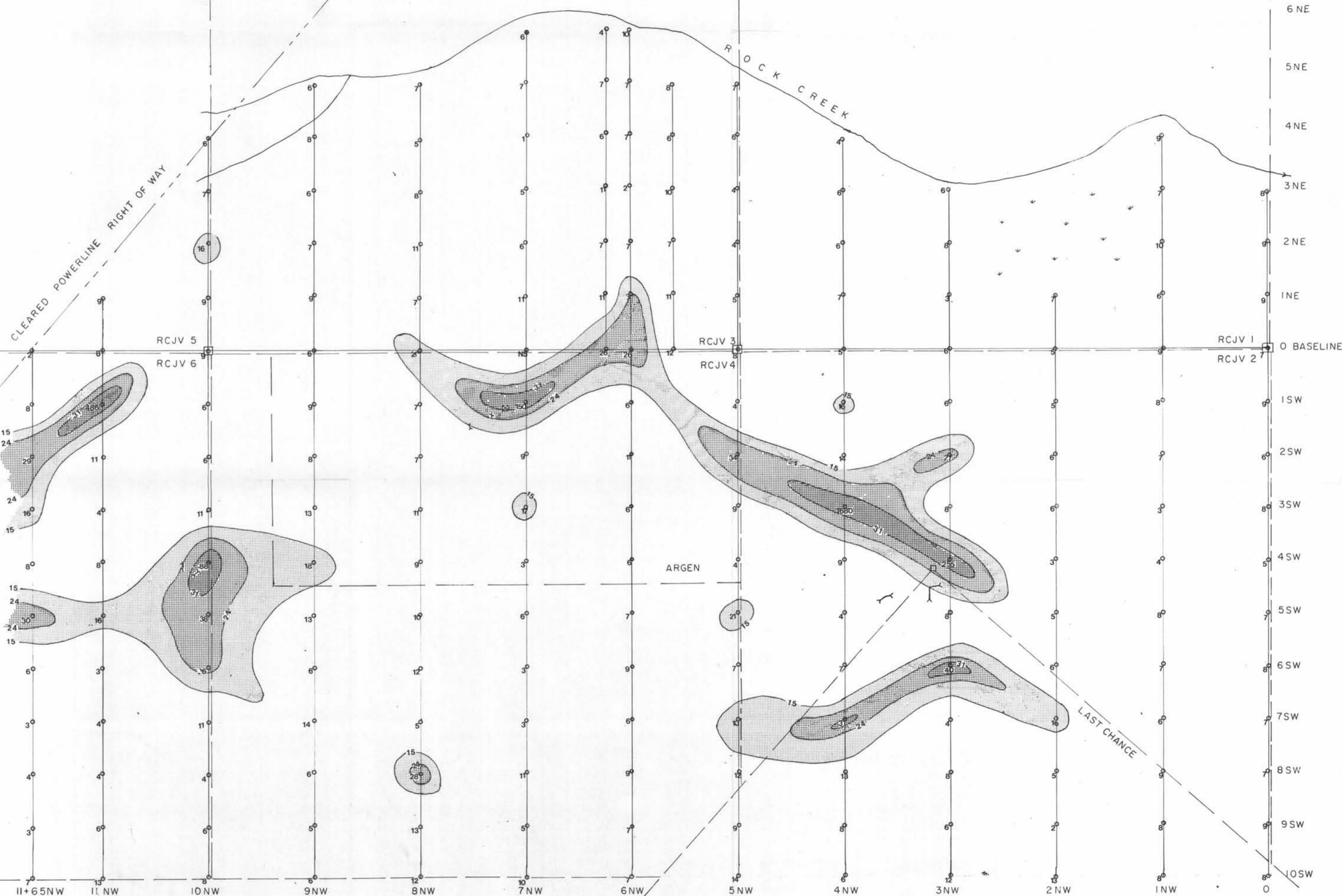
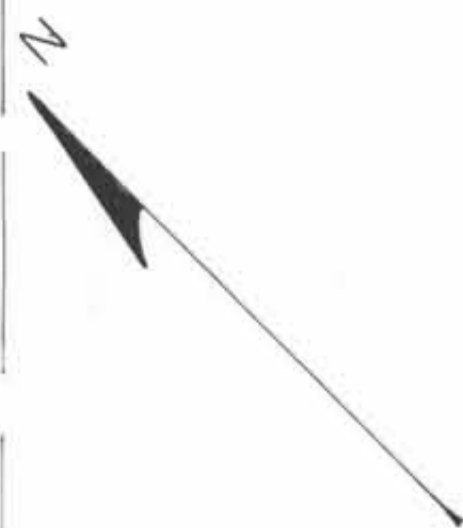
GEOCHEMICAL ANALYSES

PAGE: 5 OF 6

SAMPLE NUMBER	AU PPM
9NW 6SW	35
9NW 7SW	<10
9NW 8SW	15
9NW 9SW	50
9NW 10SW	70
10NW 1NE	35
10NW 2NE	15
10NW 3NE	50
10NW 4NE	35
10NW 0	<10
10NW 1SW	<10
10NW 2SW	35
10NW 3SW	15
10NW 4SW	<10
10NW 5SW	35
10NW 6SW	35
10NW 7SW	145
10NW 8SW	15
10NW 9SW	35
10NW 10SW	<10
11NW 1NE	15
11NW 0	70
11NW 1SW	85
11NW 2SW	145
11NW 3SW	85
11NW 4SW	35
11NW 5SW	70
11NW 6SW	35
11NW 7SW	<10
11NW 8SW	15
11NW 9SW	35
11NW 10SW	85
12NW 0	15
12NW 1SW	15
12NW 2SW	35
12NW 3SW	35
12NW 4SW	35
12NW 5SW	15
12NW 6SW	<10
12NW 7SW	<10



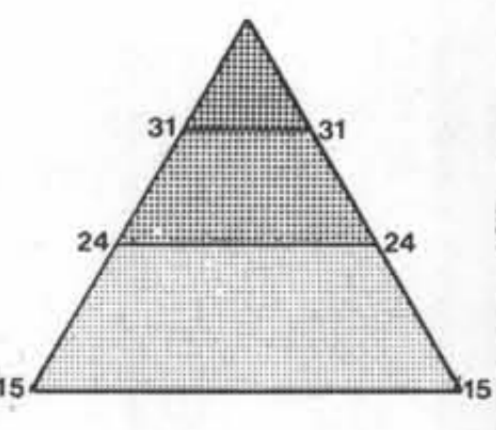
Certified by:



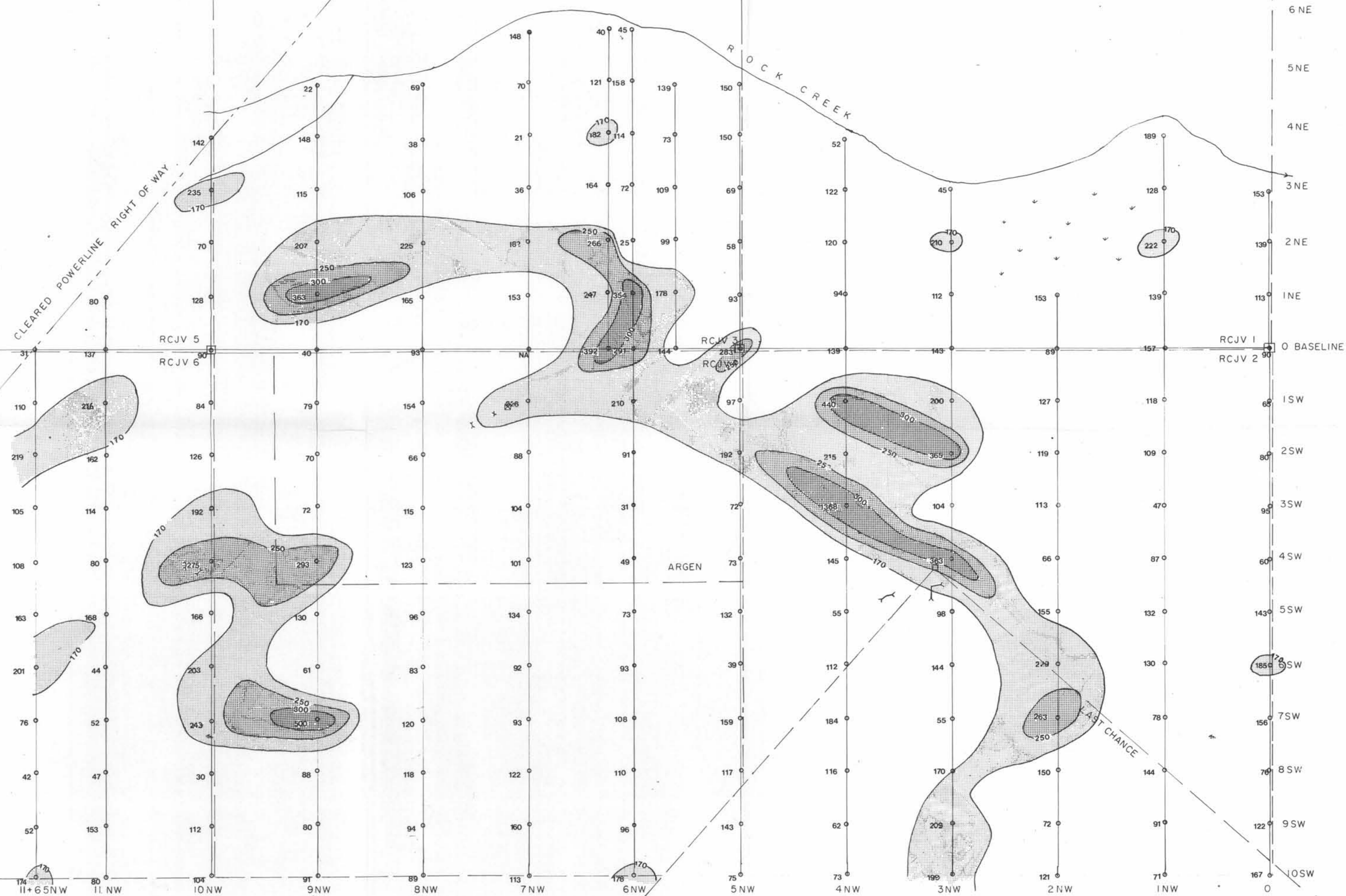
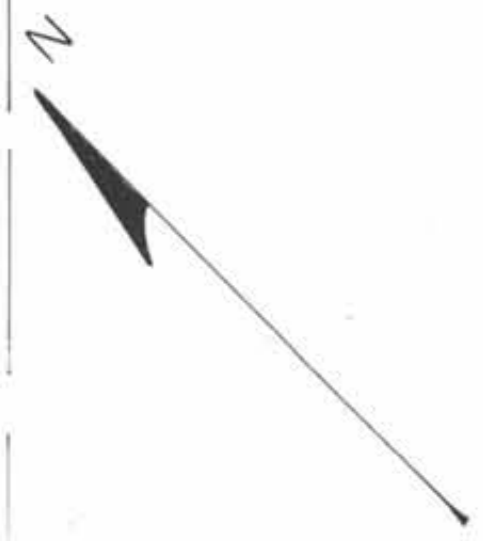
PLAT NO. 1
ROCK CREEK JOINT VENTURE
ARGEN PROJECT
CONCENTRATIONS OF LEAD (ppm)

SCALE: 1 in. = 50 m.
LEGEND

- CLAIM LINE
- - - POWERLINE RIGHT OF WAY
- LINE & STATION
- CREEK
- CLAIM POST
- TRENCH
- ⊕ SHAFT
- ⊞ MARSH



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PLAT NO.2

ROCK CREEK JOINT VENTURE ARGEN PROJECT

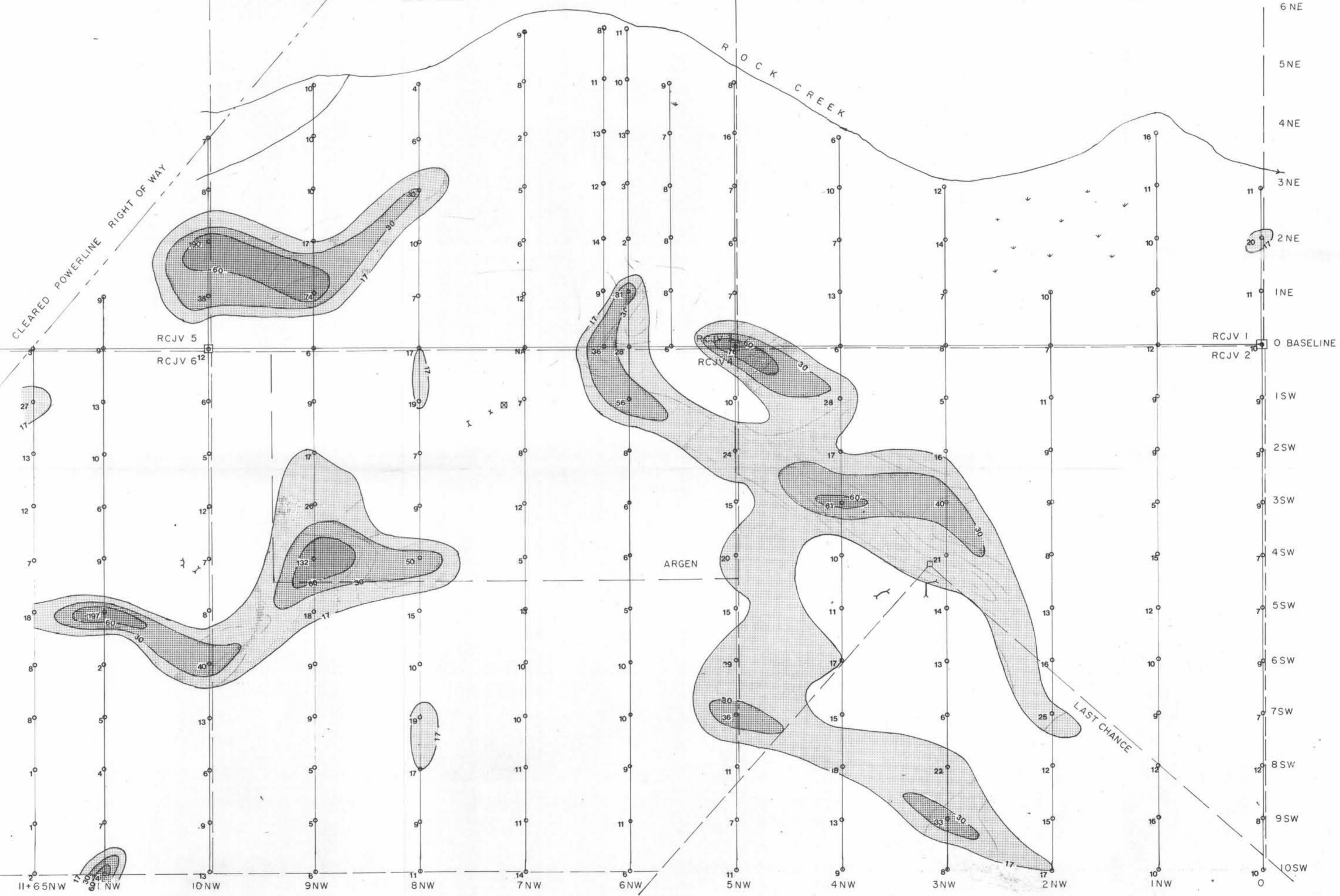
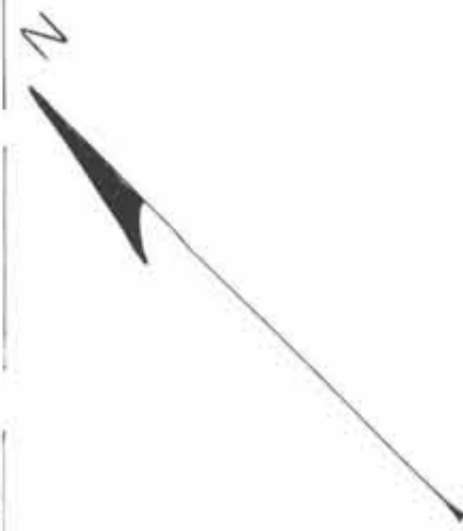
CONCENTRATIONS OF ZINC (ppm)

SCALE: 1 in. = 50 m.

LEGEND

- CLAIM LINE
- - - POWER LINE RIGHT OF WAY
- LINE & STATION
- ~ CREEK
- CLAIM POST
- ⊥ TRENCH
- ⊗ SHAFT
- + MARSH

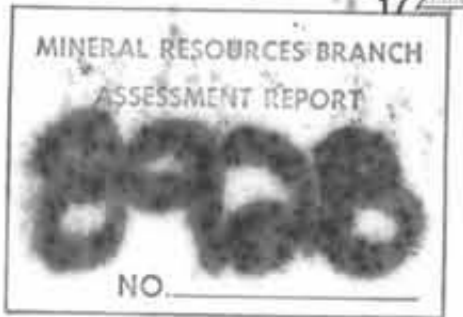
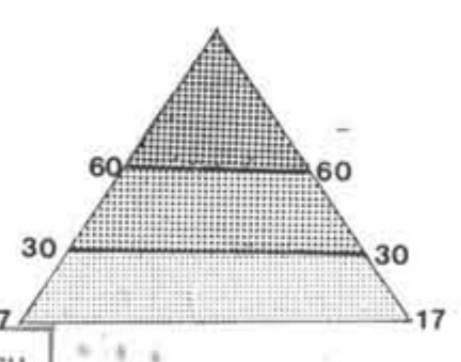
MINERAL RESOURCES BRANCH
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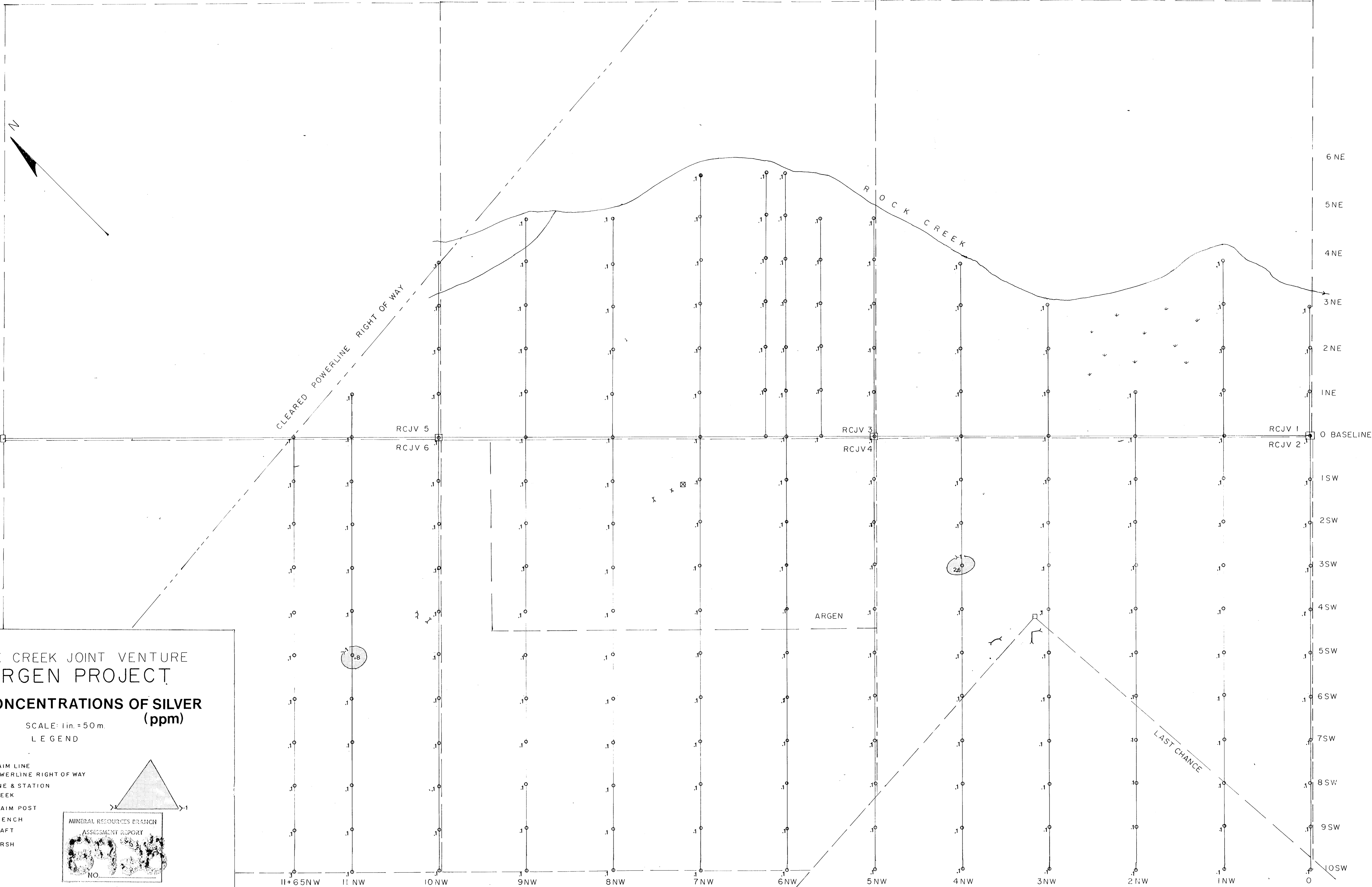
PLAT NO.3
ROCK CREEK JOINT VENTURE
ARGEN PROJECT
CONCENTRATIONS OF COPPER(ppm)

SCALE: 1in. = 50m.
LEGEND

- CLAIM LINE
- - - POWERLINE RIGHT OF WAY
- LINE & STATION
- CREEK
- CLAIM POST
- ⊥ TRENCH
- ⊕ SHAFT
- ⊕ MARSH



NO.



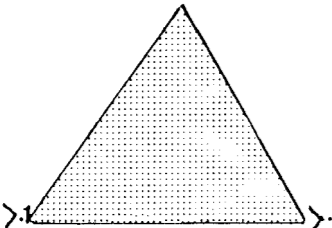
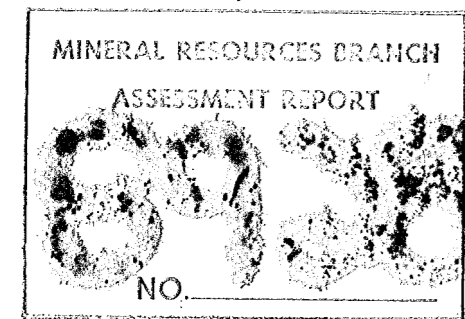
PLAT NO. 4

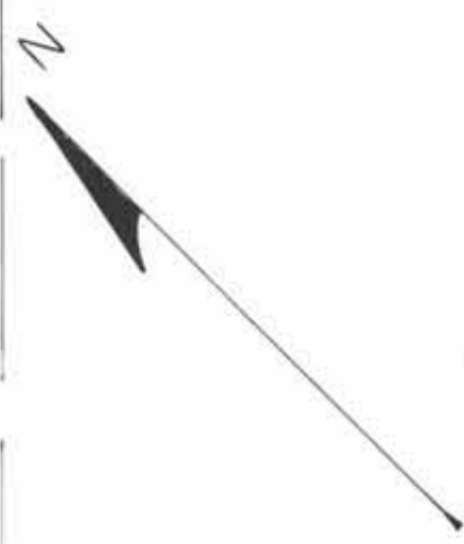
ROCK CREEK JOINT VENTURE
ARGEN PROJECT

CONCENTRATIONS OF SILVER
(ppm)

SCALE: 1 in. = 50 m.
LEGEND

- CLAIM LINE
- - - POWERLINE RIGHT OF WAY
- LINE & STATION
- CREEK
- CLAIM POST
- TRENCH
- ⊗ SHAFT
- + MARSH





CLEARED POWERLINE RIGHT OF WAY

ROCK CREEK

6 NE
5 NE
4 NE
3 NE
2 NE
1 NE
0 BASELINE
1 SW
2 SW
3 SW
4 SW
5 SW
6 SW
7 SW
8 SW
9 SW
10 SW

RCJV 5
RCJV 6

RCJV 3
RCJV 4

RCJV 1
RCJV 2

NA

ARGEN

LAST CHANCE

PLAT NO.5

ROCK CREEK JOINT VENTURE ARGEN PROJECT CONCENTRATIONS OF ARSENIC(ppm)

SCALE: 1 in. = 50 m.

LEGEND

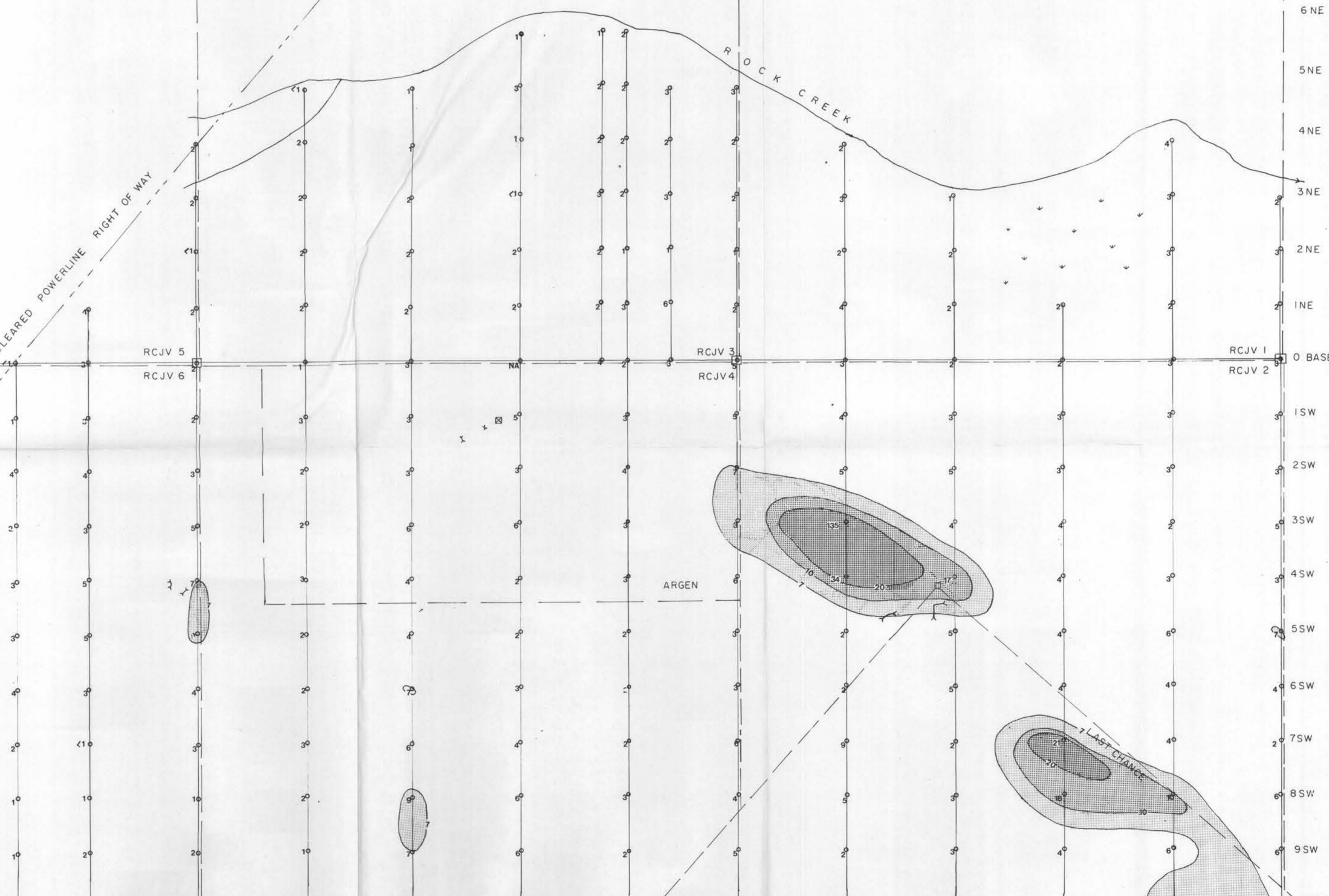
- CLAIM LINE
- POWERLINE RIGHT OF WAY
- LINE & STATION CREEK
- CLAIM POST
- TRENCH
- SHAFT
- MARSH

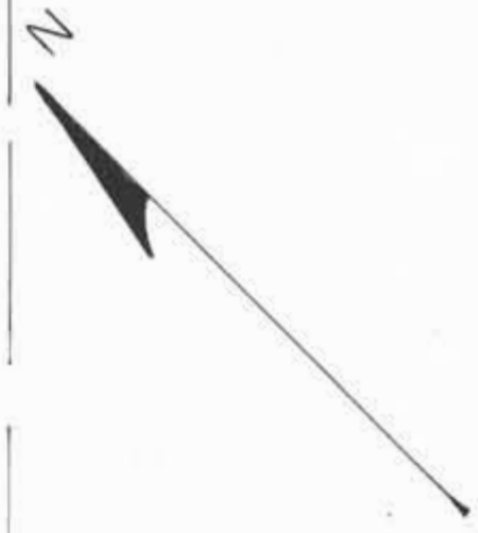
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

8930

NO.

11+65NW 11 NW 10NW 9NW 8NW 7NW 6NW 5NW 4NW 3NW 2NW 1NW





CLEARED POWERLINE RIGHT OF WAY

ROCK CREEK

6 NE
5 NE
4 NE
3 NE
2 NE
1 NE
0 BASELINE
1 SW
2 SW
3 SW
4 SW
5 SW
6 SW
7 SW
8 SW
9 SW
10 SW

RCJV 5 RCJV 6 RCJV 3 RCJV 4 RCJV 1 RCJV 2

ARGEN

LAST CHANGE

PLAT NO. 6

**ROCK CREEK JOINT VENTURE
ARGEN PROJECT**

CONCENTRATIONS OF GOLD (ppb)

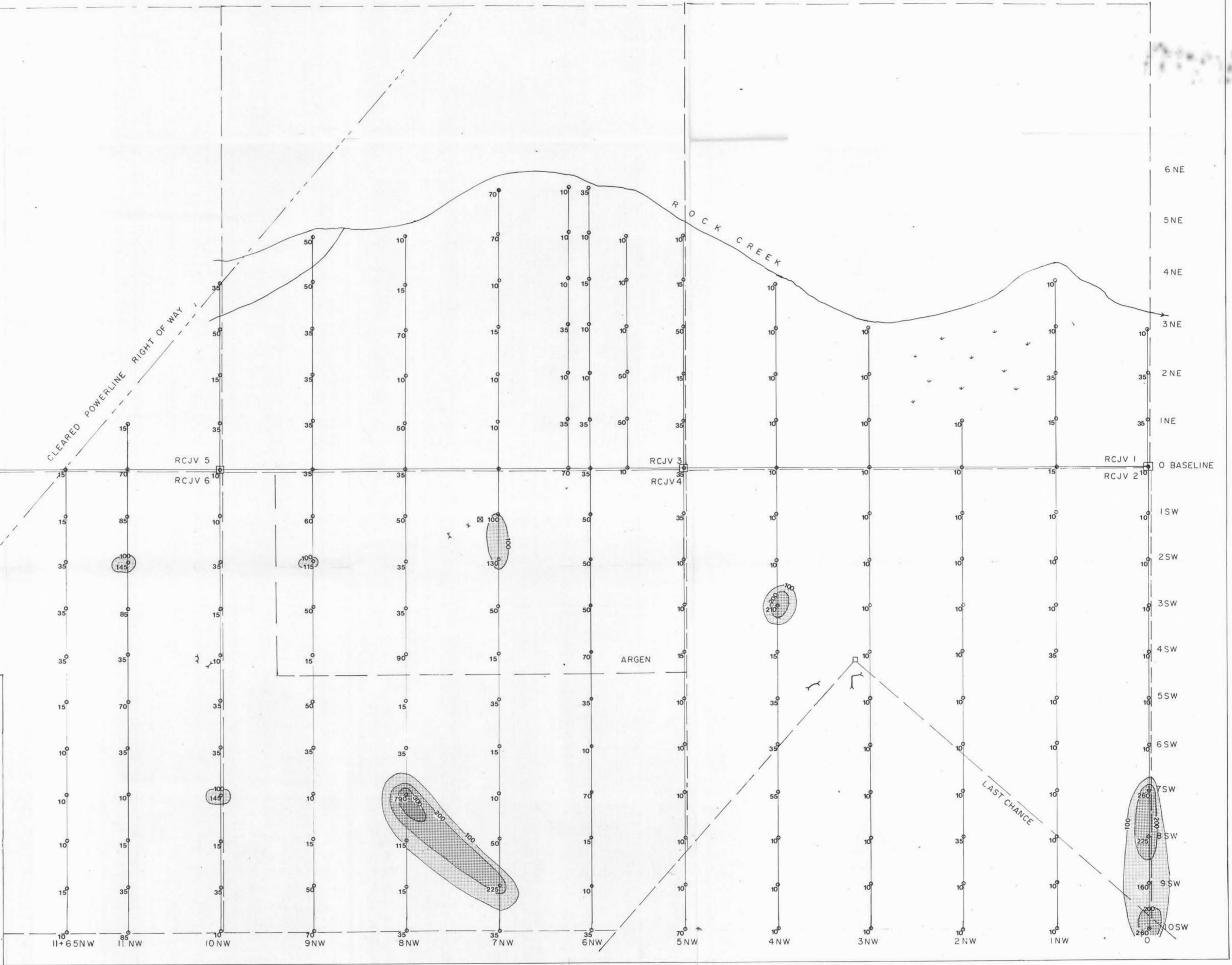
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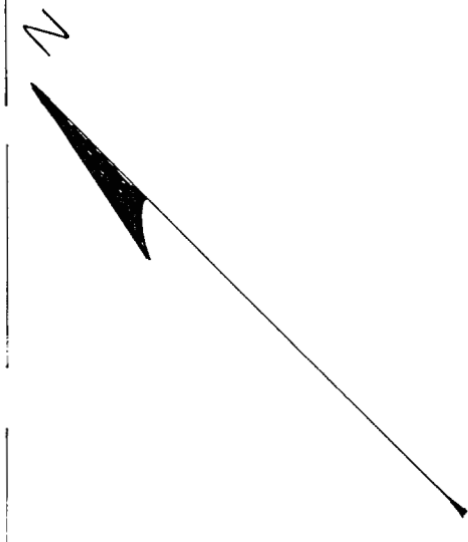
LEGEND

- CLAIM LINE
- POWERLINE RIGHT OF WAY
- LINE & STATION CREEK
- CLAIM POST
- TRENCH
- SHAFT
- MARSH

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

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NO.





CLEARED POWERLINE RIGHT OF WAY

ROCK CREEK

DEADFALL

GRAVEL & BOULDER RIDGES

DEADFALL

LAST CHANCE

RCJV 5
RCJV 6

RCJV 3
RCJV 4

RCJV 1
RCJV 2

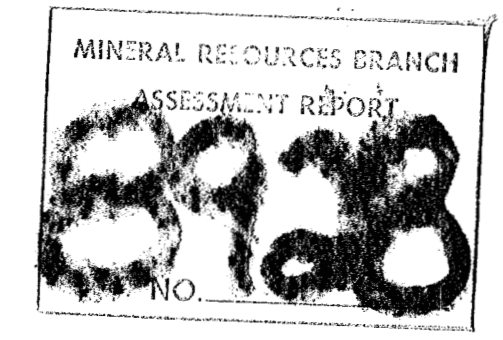
6 NE
5 NE
4 NE
3 NE
2 NE
1 NE
0 BASELINE
1 SW
2 SW
3 SW
4 SW
5 SW
6 SW
7 SW
8 SW
9 SW
10 SW

11+65NW 11 NW 10NW 9NW 8NW 7NW 6NW 5NW 4NW 3NW 2NW 1NW 0

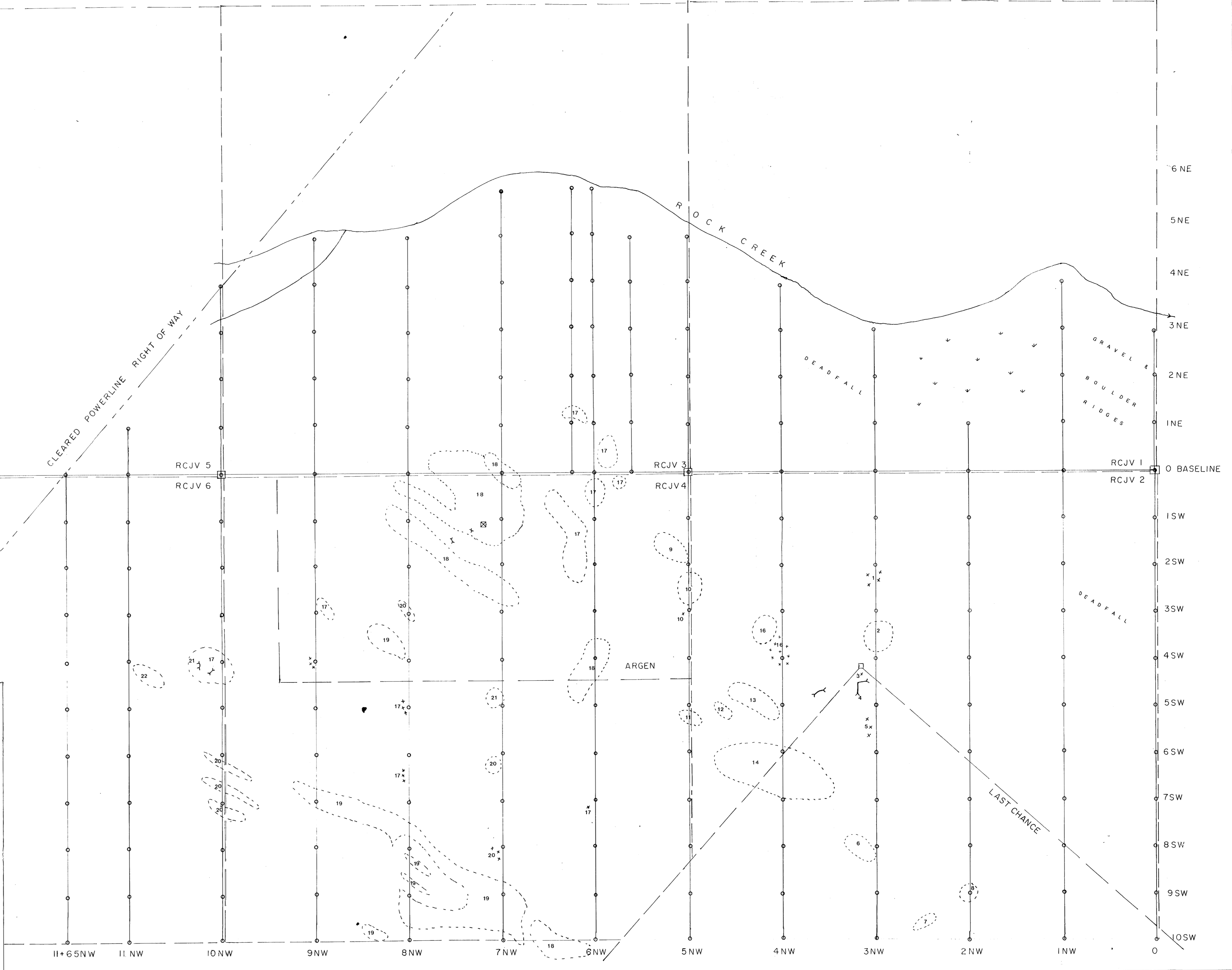
PLAT NO 8
ROCK CREEK JOINT VENTURE
ARGEN PROJECT
GEOLOGY

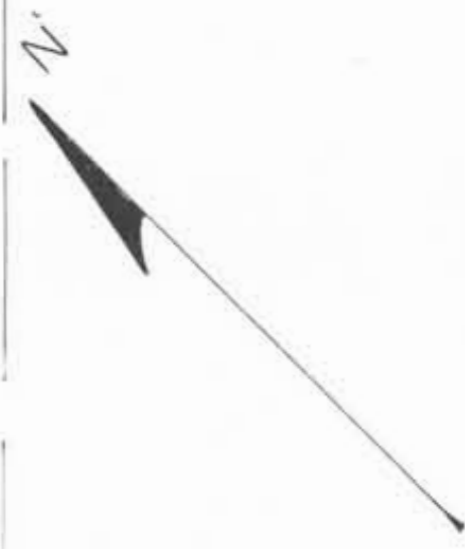
SCALE: 1 in. = 50 m.
LEGEND

- CLAIM LINE
- POWERLINE RIGHT OF WAY
- LINE & STATION
- CREEK
- CLAIM POST
- TRENCH
- SHAFT
- MARSH
- OUTCROP



REFER TO NUMBERED OUTCROP DESCRIPTIONS IN REPORT TEXT





CLEARED POWERLINE RIGHT OF WAY

ROCK CREEK

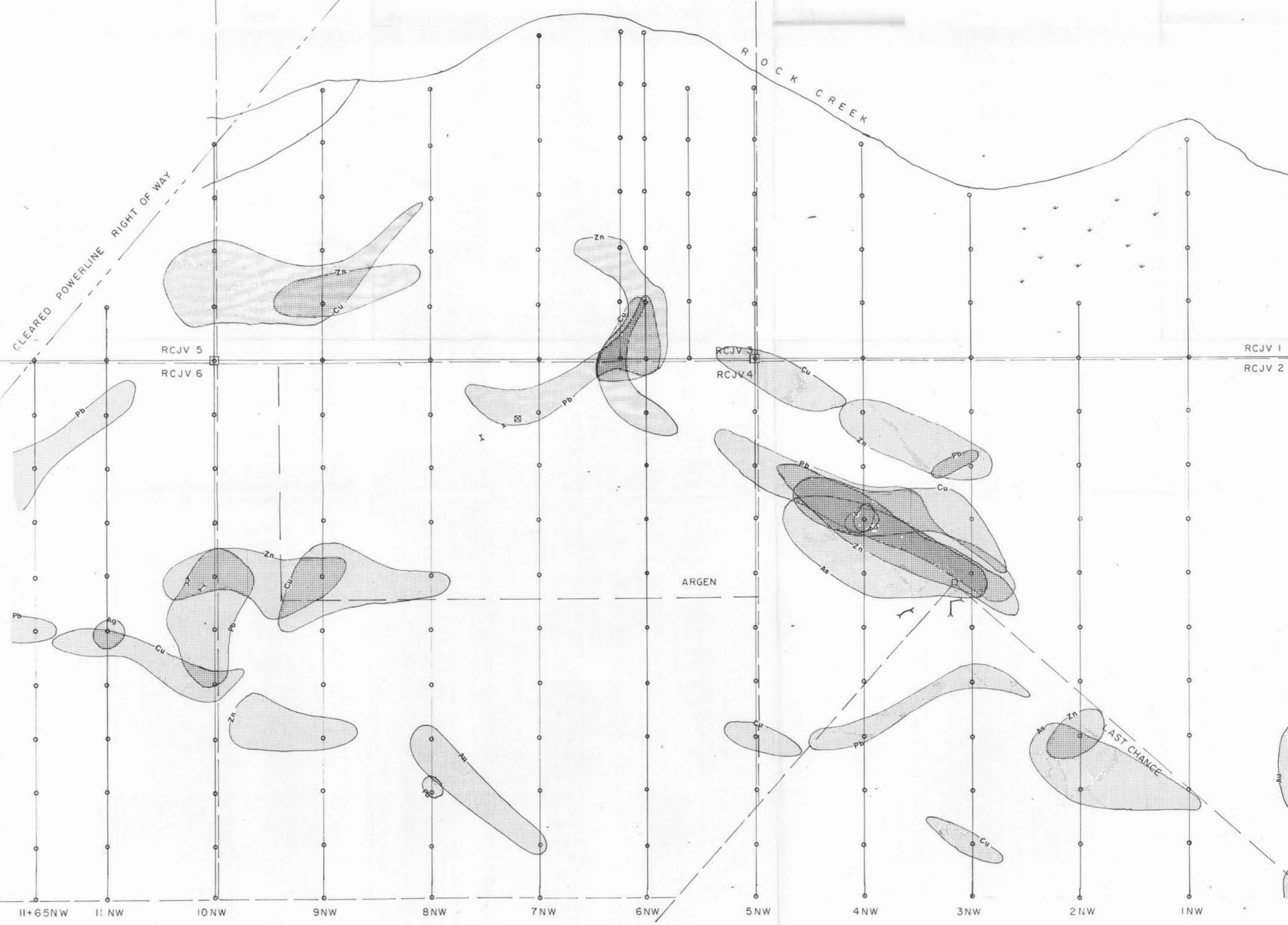
6 NE
5 NE
4 NE
3 NE
2 NE
1 NE
0 BASELINE
1 SW
2 SW
3 SW
4 SW
5 SW
6 SW
7 SW
8 SW
9 SW
10 SW

11+65NW 11 NW 10NW 9NW 8NW 7NW 6NW 5NW 4NW 3NW 2NW 1NW 0

PLAT NO.7
**ROCK CREEK JOINT VENTURE
 ARGEN PROJECT**
COMPOSITE OF GEOCHEM ANOMALIES
 SCALE: 1 in. = 50 m.
 LEGEND

- CLAIM LINE
- - - POWERLINE RIGHT OF WAY
- LINE & STATION
- CREEK
- CLAIM POST
- ⊕ TRENCH
- ⊕ SHAFT
- ⊕ MARSH

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
8928



ARGEN

LAST CHANGE