

1981 DIAMOND DRILL PROGRAM

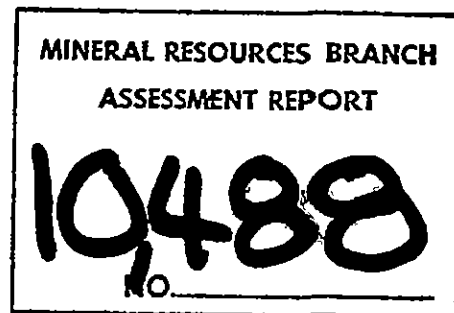
on the

CANADIAN QUEEN GROUP
(Canadian Queen, Canadian Queen Fr.)

Omineca Mining Division
93 M/5E

55° 19' N 127° 37' W

OWNER & OPERATOR: TRI-CON MINING LTD.
WRITER: A.M. Homenuke, P. Eng. (Geol.)
SUBMITTED: June 30, 1982



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I. INTRODUCTORY NOTES

Location and Access (Fig.1)

The Canadian Queen Claim Group is located on the northeast slope of Mount Glen, and adjoins the Silver Standard Mine property. The Silver Standard Mine Road provides access from Two Mile, 5 km. south of the mine, and a fair quality mine road switchbacks up, on a gentle grade, to the claims.

Physical Features

The property is located on a general easterly slope, starting at a height of land along the west boundary, sloping gently to the center of the claims, then steeply to the east boundary, which is along a north-south ridge. A creek flows along the west side of this ridge.

Property Description (Fig.2)

The Canadian Queen Group consists of two reverted Crown grants, formerly part of the Silver Standard Mine property.

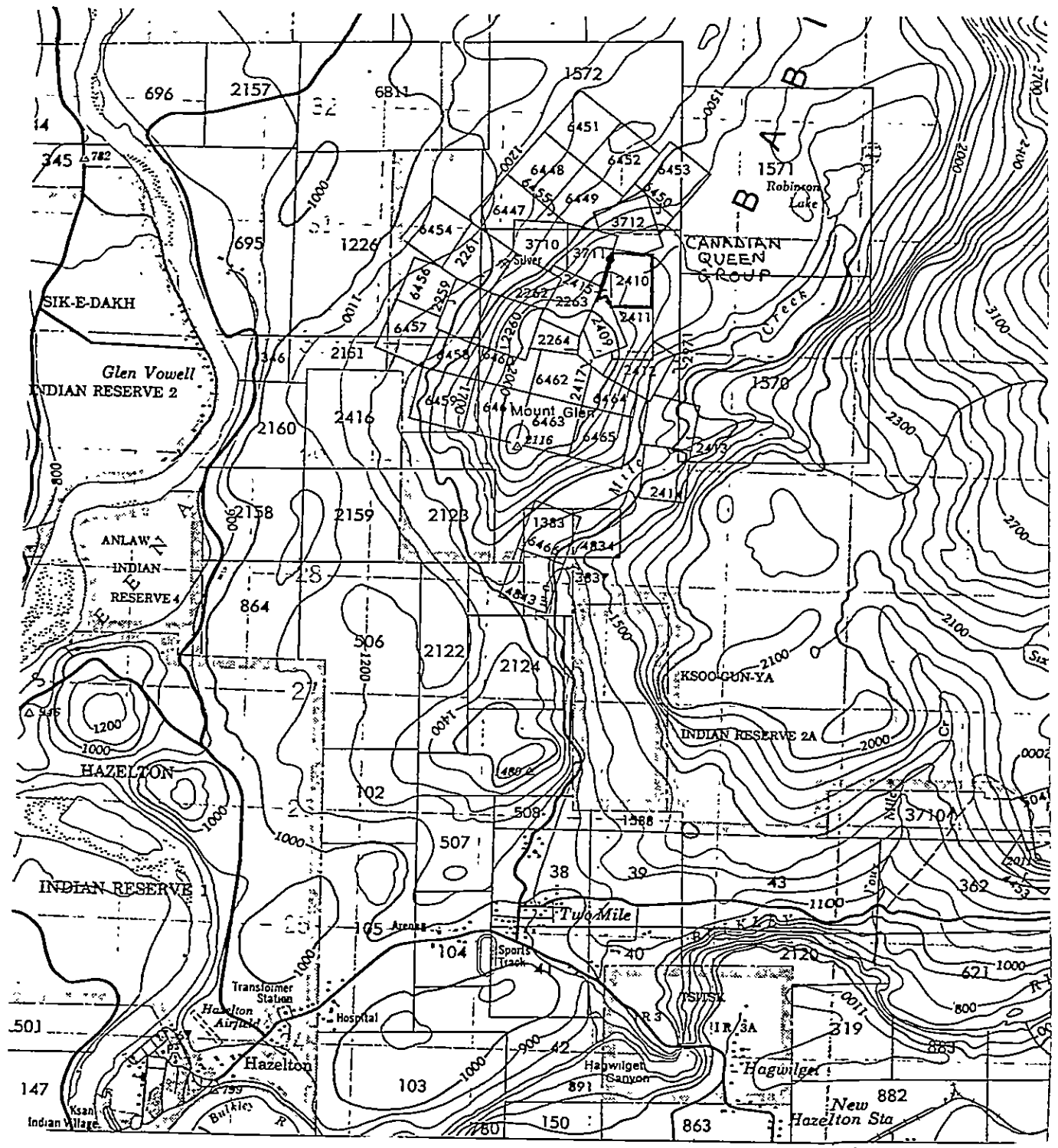
<u>Name</u>	<u>Lot No.</u>	<u>Record No.</u>	<u>Year Acquired</u>	<u>Record Date</u>
Canadian Queen	2410	303	1976	June 3
Canadian Queen Fr.	2415	304	1976	June 3

Owner and Operator is Tri-Con Mining Ltd.

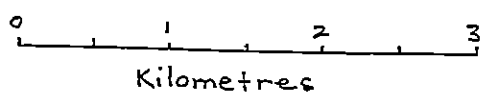
History

The Canadian Queen claims were formerly part of the Silver Standard Mine. The portal to the drift on one of the producing veins (Black Prince Vein) is on the southwest corner of the claims.

Tri-Con acquired the reverted crown grants in 1976, and did



Part of 93M/5E



CANADIAN QUEEN PROPERTY
LOCATION MAP

FIG. 1

History - Contd.

some limited assessment work, including a geochemical survey in 1980, which lead to an expanded program in 1981.

The initial work in 1981 consisted of geochemical and EM-16 surveys. This was followed by backhoe trenching on selected targets. Lead-zinc-silver mineralization was found at several locations. A diamond drill program followed these discoveries and is the subject of this report.

Economic Assessment

The adjoining Silver Standard Mine has produced almost 200,000 tons of ore, yielding 7 million ounces of silver, plus gold, zinc, lead, copper and cadmium. Some of the production was from the Black Prince Vein immediately southwest of the Canadian Queen Claims. This vein extends onto the property. Trenching has shown several more veins and there is potential for ore mineralization on the claims.

Present Work and Distribution

During the 1981 field season, Tri-con carried out geochemical sampling, trenching and geological mapping, electromagnetic surveying and diamond drilling. This report covers the latter program which totalled 159 metres in 9 short holes. All the work was done on the Canadian Queen claim, although a survey to locate the holes in relation to claim boundaries also covered the Canadian Queen Fraction. As the drilling was done prior to the survey two holes were inadvertently collared outside the claim. The information obtained was useful and the holes are included in the report.

II. DIAMOND DRILL PROGRAM

Introduction

During trenching of EM-16 and geochemical anomalies, several quartz veins with base metal sulfides were found. A series of short drill holes were located to test these veins and provide further geologic data. One of the target areas was the suspected continuation of the Balck Prince Vein, from which some ore was mined on an adjoining claim. The holes and underground workings are shown in Fig. 2.

Equipment

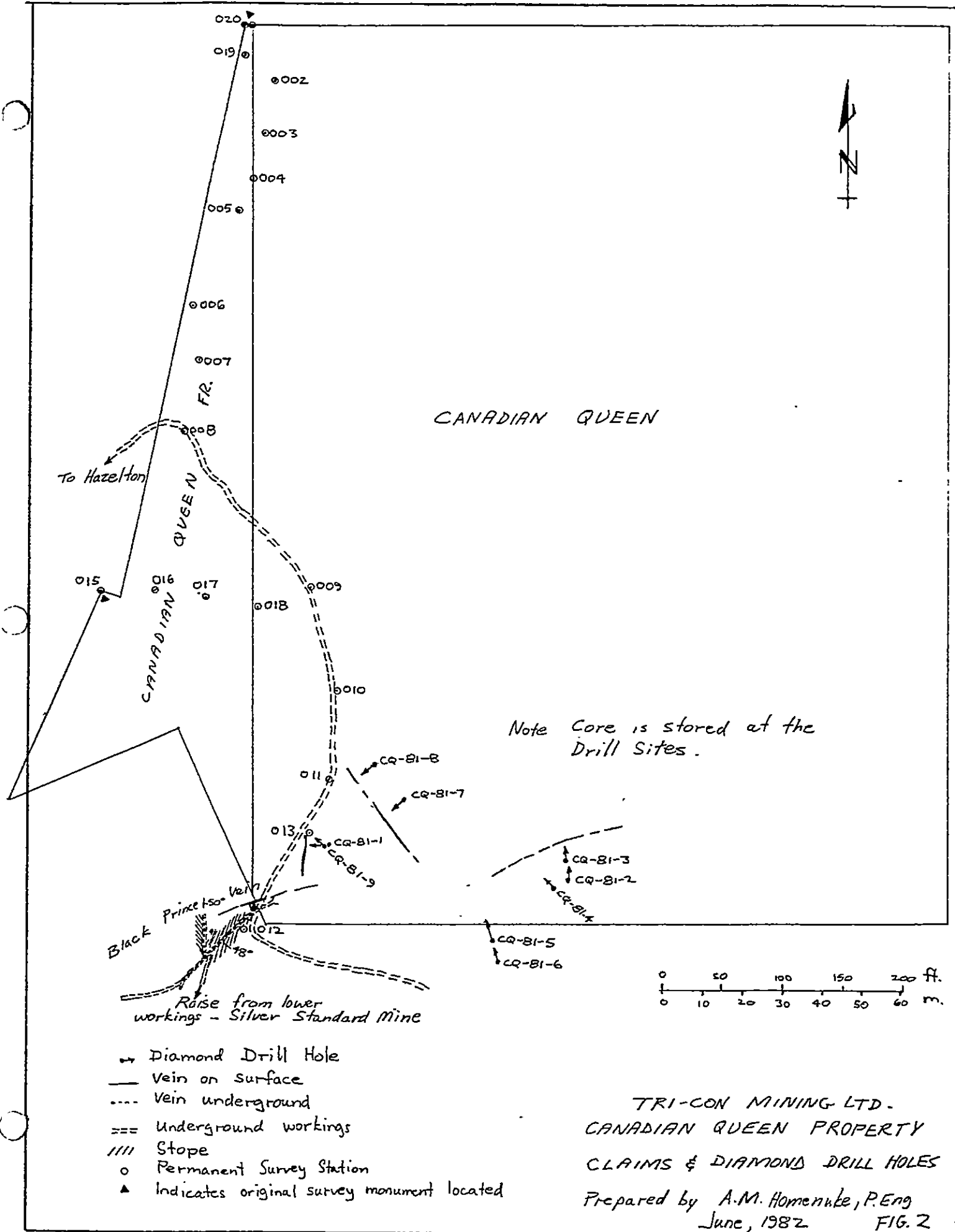
The holes were drilled with a J.K. Smit "Winkie" drill using IEX bits which produce a 25 mm (1 inch) diameter core. The drill has a hand feed which was modified with a reduction gear for easier operation. "Polydrill" fluid was added to the water and, in combination with the thin wall bits, produced a core recovery of essentially 100%. The core was stored at the drill sites.

Discussion of Results

Logs of the drill holes are contained in the appendix. The veins were investigated at depths of 10 - 25 metres (25-80 Ft.)

In general, the vein zones are shown to be quartz stringer complexes with minor amounts of siderite and pyrite. Traces of sphalerite and galena are present, but no significant mineralized zones were encountered. There have been no assays to date.

Rocks in all the holes consisted of arkose with varying amounts of thin-bedded argillite. The only alteration consists of minor



CANADIAN QUEEN

Note Core is stored at the Drill Sites.

- Diamond Drill Hole
- Vein on surface
- Vein underground
- === Underground workings
- //// Stope
- o Permanent Survey Station
- ▲ Indicates original survey monument located

TRI-CON MINING LTD.
 CANADIAN QUEEN PROPERTY
 CLAIMS & DIAMOND DRILL HOLES
 Prepared by A.M. Homenuke, P.Eng
 June, 1982 FIG. 2

Discussion of Results - Contd.


bleaching around some of the stringers and a little disseminated pyrite.

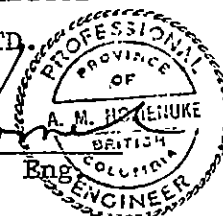
Conclusions

No significant sulfide intersections were encountered in the drilling. The pervasive quartz stringers with minor siderite and pyrite and traces of sphalerite and galena suggest that better mineralization may be encountered at depth. A detailed structural analysis would aid in spotting future drill holes.

Respectfully Submitted

TRI-CON MINING LTD.


A.M. Homenuke, P. Eng.





CERTIFICATE OF QUALIFICATION

I. ALEXANDER M. HOMENUKE, DO HEREBY CERTIFY:

1. THAT I am a member in good standing of the Association of Professional Engineers of British Columbia.
2. THAT I received the Degree of Bachelor of Science in Geological Engineering from the Colorado School of Mines in 1974.
3. THAT I received a Diploma of Technology in Mining from the B.C. Institute of Technology in 1969
4. THAT I have been employed in various aspects of mining exploration for 13 years and am presently employed by Tri-Con Mining Ltd., of #2580 - 1066 West Hastings Street, Vancouver, British Columbia.
5. THAT I presently reside at 29825 Harris Road, Mt. Lehman, British Columbia.
6. THAT this report is based on work supervised or conducted by myself.

DATED at Vancouver, British Columbia, this 30th day of June, 1982.


A.M. HOMENUKE, P. ENG. 
Geological Engineer

A P P E N D I X

Diamond Drill Hole Logs

Hole No: CQ - 81-1 Brg: 265° Dip: -45°

Feet		Lithology	Notes
From	To		
0	24	Arkose	Tan, massive, black speckled @ 7' qtz.-siderite ¼"-1" 15°CA @ 16', 16.5' ½" qtz-sid. 80°CA
24	27	Argillite w/arkose	Bedding 55°CA
27	29	Arkose	minor argillite banding
29	31.5	Argillite w/arkose	@ 30' ½" qtz. 55°CA
31.5	60	Arkose w/argillite	@ 32' 3.5" qtz.-sid., minor sphalerite, trace galena. @ 36-38' weakly brecciated w/qtz. filling 30°-70°CA, 2" qtz. w/pyrite @ 36-5 @ 39-41' few qtz. stringers, some crackling along CA. @ 50.3', 50.5' ¼" qtz.-sid., tr sphalerite, pyrite, galena, 55°CA, 70°CA @ 53' Few crossed stringers, pyrite minor sphalerite in qtz. 45°CA, 30°CA, 50°CA @ 54-55' barren qtz. breccia, 55°CA @ 57.5' ½" qtz.-sid., 35°CA

Hole No: CQ - 81-2 Brg: 003^o Dip: -47^o

Footage		Lithology	Notes
From	To		
0	5	--	casing
5	21	Arkose w/argillite	@ 13.2' 1"qtz, pyrite 42 ^o CA bedding, 48 ^o CA
21	35	Arkose	@ 22' ¼" qtz, pyrite 45 ^o CA/ @ 30.2', 30.5' ½", ¼" qtz. 40 ^o CA
35	61	Arkose/w minor argillite	Bedding 40 ^o CA @ 53-53' Hanging wall of vein zone qtz, pyrite, gouge, graphite, 50 ^o CA @ 55-60.5' qtz. breccia zone HW 40 ^o CA, minor sphalerite, galena, pyrite sphalerite stringer near center in contorted qtz, pyrite, siderite. footwall 35 ^o CA - 5" quartz siderite, pyrite
61-63		Arkose	

Hole No: CQ - 81-3 Brg: 351° Dip: -47°

Footage		Lithology	Notes
From	To		
0	5	--	casing
5	15	Arkose	
15	26	Arkose w/ argillite	bedding 45°CA
26	39	Arkose	@ 29-30' gouge; blue clay w/qtz fragments 0.8 ft. core lost

Hole No: CQ - 81-4 Brg: 314.5° Dip: -45.5°

Footage		Lithology	Notes
From	To		
0	8	Arkose	@ 8' few qtz. stringers @ contact
8	13	Arkose w/ argillite	Bedding 52° CA Qtz stringers along CA to 13'
13	48	Arkose	@ 17' ½" qtz. 30° CA @ 27' ¼" qtz. 45° CA @ 34' 5" vein, HW & FW ¼" qtz.-sid 60° CA, center 1½" qtz-sid-pyrite 45° CA
48	61	Arkose w/ argillite	few qtz. stringers to 43° @ 43' 1" qtz-sid. w/20% sphalerite, galena plus pyrite, 60° CA 43-49' weak crackle breccia w/ qtz. @ 49' ¼" qtz-sid-pyrite, minor sphalerite, 15° CA
61	75	Arkose	@ 65' ½" qtz-sid. @ 66' ¼" qtz-sid., pyrite minor sphalerite 10° CA

Hole No: CQ - 81-5 Brg: 345° Dip: -47°

Footage		Lithology	Notes
From	To		
0	7	--	casing
7	8	?	qtz breccia (bedrock ?)
8	18	Arkose w/ argillite	bedding 47° CA
18	22	Arkose	denser than normal
22	28	Arkose w/ argillite	@ 26' ½" qtz, 50° CA
28	60	Arkose w/ argillite	@ 45' 1" qtz-sid, pyrite 20° CA bedding 34° CA @ 45-47' few qtz-sid. stringers 65° CA @ 52.5' 1" qtz-sid, 40° CA @ 54-57' qtz-sid, pyrite, crackle breccia @ 57-60 few qtz stringers pyrite clots, bleached

Hole No: CQ - 81-6 Brg: 344° Dip: -45.5°

Footage		Lithology	Notes
From	To		
0	6	---	casing
6	14	Arkose	
14	21	Arkose w/ argillite	bedding 50°CA
21	46	Arkose	
46	55	Arkose w/ argillite	
55	56	Arkose	

Hole No: CQ - 81-7 Brg: 228^o Dip: -43^o

Footage		Lithology	Notes
From	To		
0	5	---	casing
5	7	Argillite w/ arkose	bedding 40 ^o CA few arkose bands to ½"
7	13	Arkose w/ argillite (spotted)	white spotted-porphyroblasts or larger fragments?, few qtz. stringer @ 11'
13	46.5	Arkose w/ argillite	spotted @ 29-31', bedding 40 ^o CA argillite bed 33-34.5 generally fine-grained slightly greenish with depth, (becoming tuffaceous?) occasional qtz. stringer in cleavage.
46.5	48.5	VEIN ZONE	@ 46.5 ½" qtz-sid, pyrite, pyrrhotite 55 ^o CA 47.2 3" qtz-sid, pyrite 45 ^o -50 ^o CA 47.8 2.5" qtz. breccia, pyrite 35 ^o CA 48.5 ¼" qtz-sid. pyrite 30 ^o CA
48.5	71	Arkose w/ argillite	grades downward to massive arkose. e 51' ¼" pyrite, tr sphalerite 25 ^o CA bedding 35 ^o CA

Hole No: CQ - 81-8 Brg: 231° Dip: -45°

Footage		Lithology	Notes
From	To		
0	10	---	casing
10	13	Arkose w/ argillite	rubble, few qtz. stringers
13	15	Arkose	slightly bleached, qtz stringers, 5/ft, w/minor pyrite
15	28.5	Arkose w/ argillite	bedding 45° CA, qtz. stringers 10/ft to 1/2", w/minor pyrite @ 26.5 3" graphite argillite @ 26-28 minor bleaching
28.5	32	VEIN ZONE	6" bull qtz HW, qtz stockwork w/pyrite in outer, 6" qtz-sid, pyrite FW 70° CA Bedding below FW 30° CA
32	46	Arkose w/ argillite	few qtz. stringers, bedding 40° CA
46	54	Arkose	

Hole No: CQ - 81-9 Brg: 308° Dip: -48°

Footage		Lithology	Notes
From	To		
0	32	Arkose	Occasional argillite banding 1" @ 11.5', 1' @ 25-26', @ 5', 13', 14', ½" qtz, 70°CA
32	79	Arkose w/ argillite	@ 32-34 qtz breccia, minor pyrite 60-70°CA @ 38.5 ½" qtz, pyrite 50°CA ¼" qtz along CA 2" qtz 90°CA @ 39 ¼" qtz, pyrite 30°CA @ 42.5 2" qtz in argillite 80°CA

COST STATEMENT

A. Homenuke, P. Eng.	July 10, 12, 15 Aug. 6, 7, Sept. 13, 1981 Surveying, Logging	
	Total 4 days @\$250/day	\$1,000.00
Driller	July 15 - July 25, Aug. 4 - Aug. 7, 1981 Total 15 days @\$200/day	3,000.00
Helper	Total 15 days @\$100/day	1,500.00
Drill Equipment	522 ft. @\$1.50/ft.	783.00
Drill Suppliers	Bits (less returns), Drilling Oil, Fuels, Core Boxes	1,250.00
Vehicle	17 days @\$35/day	595.00
Maps & Report	2 days @\$250/day	500.00
Secretarial, Copying, etc.		<u>75.00</u>
	TOTAL:	\$8,703.00

all inclusive = \$16.67/ft.

or

\$54.70/m.