

OM 86-8-P-301



41P125W0052 63.4941 CHESTER

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O.M.E.P. REPORT
FOR
YOUNG-SHANNON GOLD PARTNERSHIP (1986)
CHESTER TOWNSHIP
ONTARIO, CANADA

BY
C.G. CHERITON P.ENG.
JULY 10, 1987



41P126W0052 63.4941 CHESTER

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I SUMMARY

Between January 15 and February 28, 1987, the Triangle Drilling Company drilled 29 B.Q. wire-line diamond drill holes comprising 10,008 feet using two machines working steadily on behalf of the Young-Shannon Gold Partnership (1986). The total cost was \$220,176 which works out to \$22.00 per foot.

Three zones, A, B & C, were drilled on the Young-Shannon Gold Mines Limited and two zones, "D" and "F" were drilled on Chester Minerals Limited, see Map No. 2. The footage was distributed as follows:

A Zone - 7 holes - 2151 feet

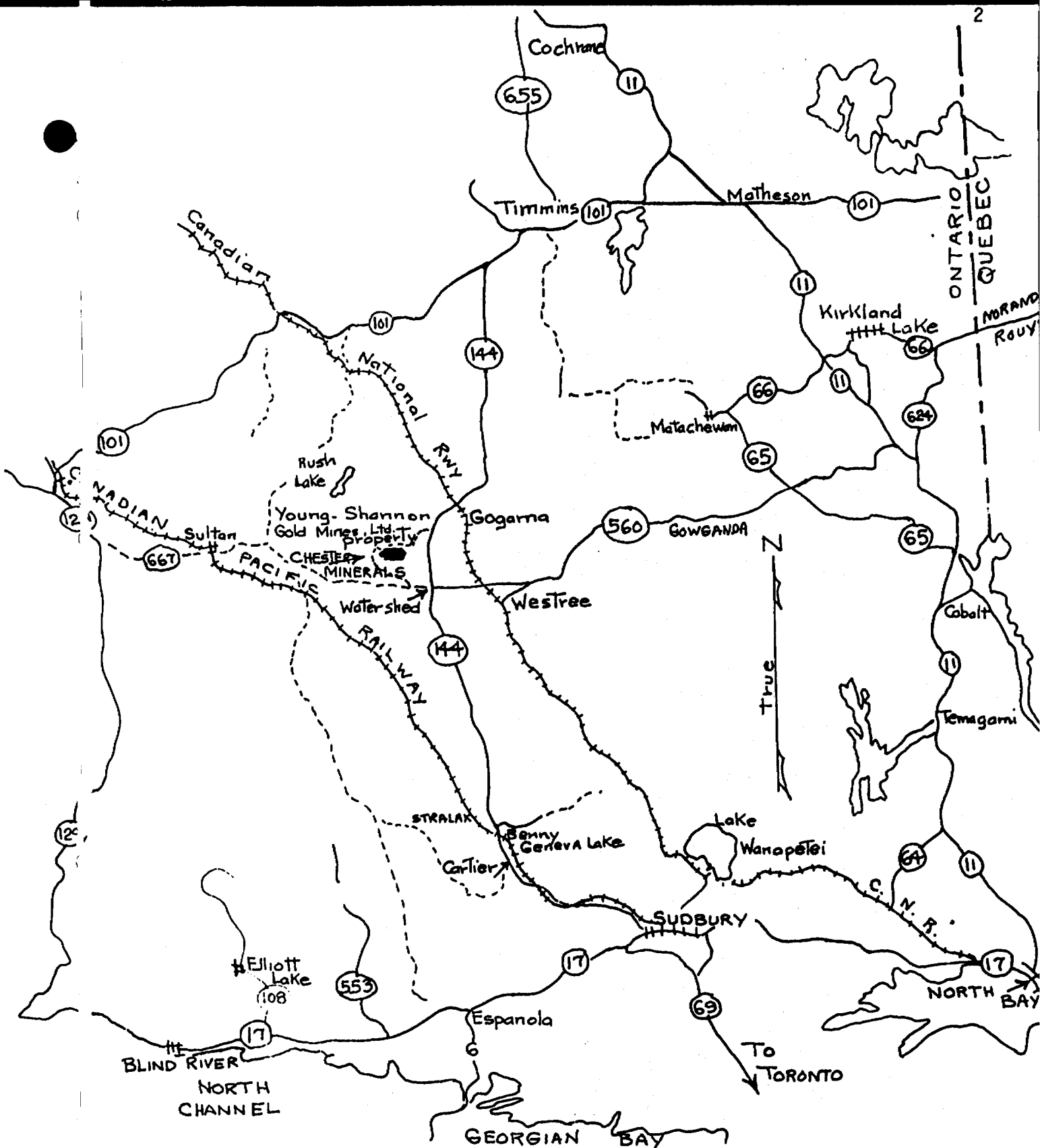
B Zone - 5 holes - 1056 feet

C Zone - 7 holes - 3051 feet

D Zone - 3 holes - 1520 feet

F Zone - 7 holes - 2230 feet

TOTAL 29 holes 10,008 feet



Scale - 1:600,000
 20 0 20 40 60 Miles

GENERAL LOCATION MAP

YOUNG - SHANNON GOLD MINES, LIMITED

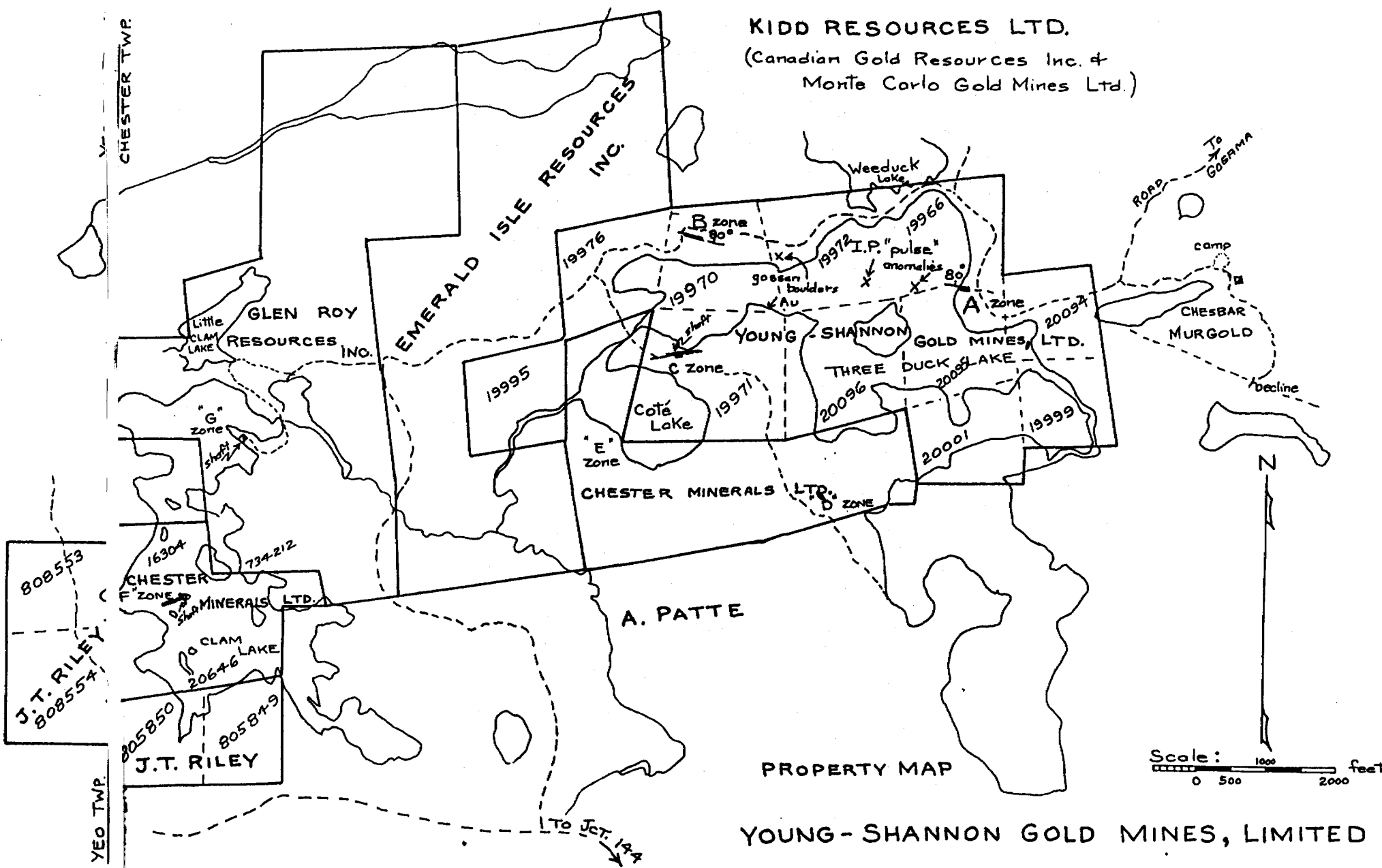
II INTRODUCTION

The writer supervised a 10,000 foot diamond drilling programme on the Young-Shannon Gold Mines, Limited property of 11 Mining Claims and the Chester Minerals Limited property comprising 6 Claims, see Map No.2. The overall cost of the project was about \$22.00 per foot and over 270 split core samples were assayed for gold.

The first 100 samples (2401 - 2500) were assayed by fire assay at Swastika Laboratories and the balance were done by Atomic Adsorption at Erana Mines in Sudbury, Ontario.

Due to the mild winter and heavy slush, we were not able to take the drill on to the ice of Three Duck Lake west of the "A" Zone. However, by means of packing with the bombardier and flooding we were able to do some holes on the "F" Zone from the ice on Clam Lake. All the holes were drilled with B.Q. wire-line and the core has been tagged and stored at the Young-Shannon Camp at Cote Lake.

KIDD RESOURCES LTD.
 (Canadian Gold Resources Inc. &
 Monte Carlo Gold Mines Ltd.)



PROPERTY MAP
 YOUNG-SHANNON GOLD MINES, LIMITED

MAP NO. 2 June 16, 1987 C.G. Cheriton *sk*

III LOCATION AND ACCESS

The property can be reached by paved Highway 144 and is 60 miles from Timmins and 100 miles from Sudbury. A good gravel road extends three miles west from Highway 144 which is about 12 miles south west of the village of Gogama. A new improved road extends in to the Murgold-Chesbar gold project which adjoins the Young-Shannon property on the east side, see Map No.1 and 2.

There is another route of access by means of turning west at the Watershed junction on Highway 144, see Map No.1. This route enters the west side of the property as indicated on Map No.2. Various bush roads and logging roads traverse the property and 4 wheel drive is needed during winter and spring and also during rainy periods as these roads are not drained and mud holes are prevalent.

There is an old cut power line route traversing the north side of the property which was laid out for the Jerome Mine. More recently, in 1979 and 1980, a newer route was cut out on claims 19999 and 20001 to bring power to the mill that was then constructed at Young-Shannon "C" Zone. This route is shown on Map No.21 of the "D" Zone.

IV EXPLORATION HISTORY

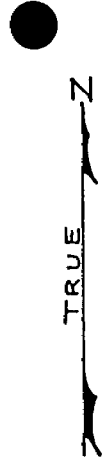
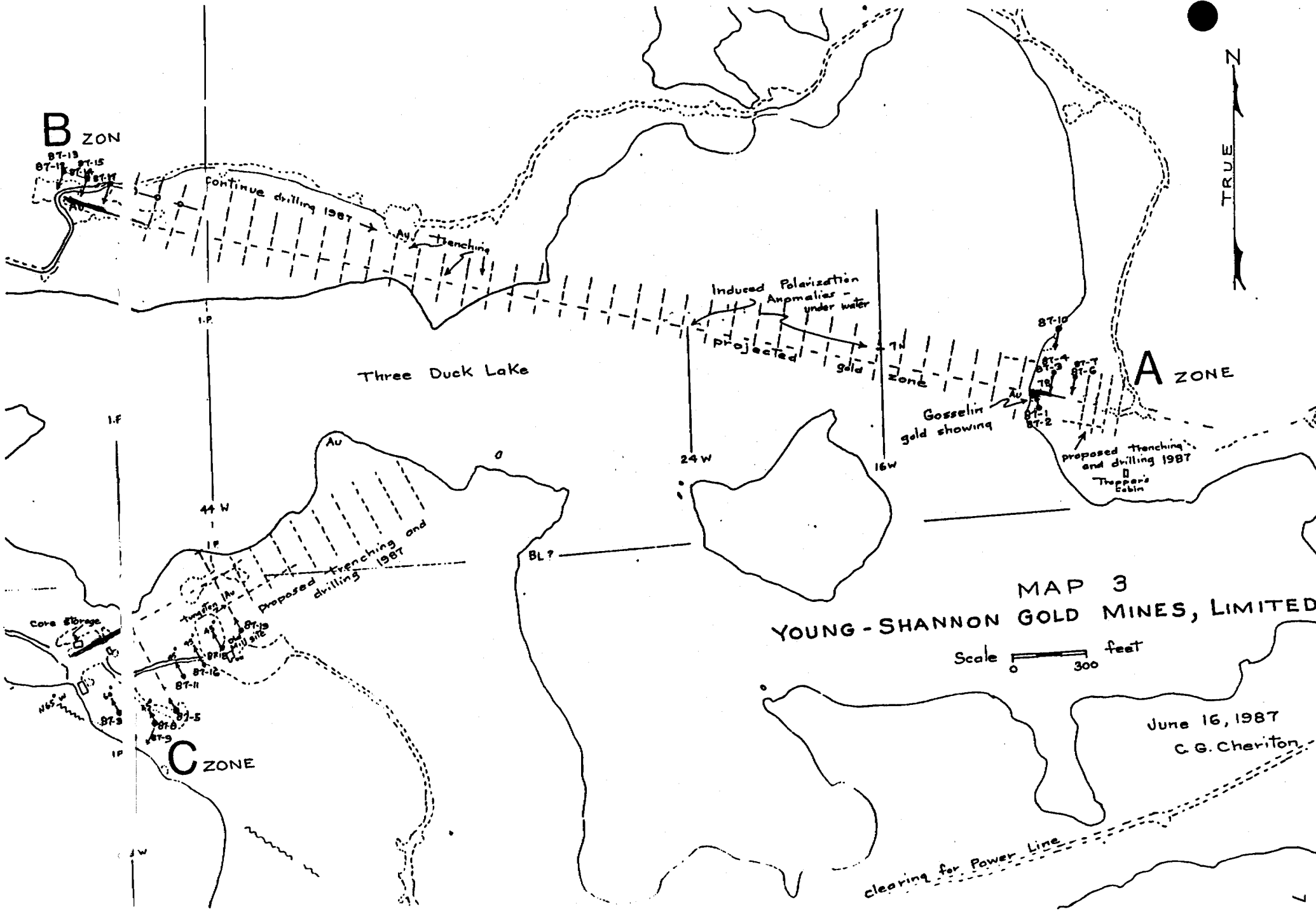
J.A. Shannon found gold in 1927 on the north east corner of Clam Lake on the present claim No. 8995 of Glen Roy Resources, "G" Zone, see Map No.2. In June, 1930 Alfred Goselin discovered the present "A" Zone on the north east corner of Three Duck Lake on claim No. 20095 on the Young-Shannon Gold Mines, Limited.

In 1934, a two compartment shaft was sunk to a depth of 125 feet on Shannon Island claim No. 16304, "F" Zone. There was a limited amount of lateral work done but the structure was not fully investigated. This property belongs to Chester Minerals Limited.

In 1936, an inclined two compartment shaft was sunk to 200 feet on claim No. 19971 and 170 feet of drifting was done on the 100 foot level, the present "C" Zone, see Map No.12 of The Young-Shannon Gold Mines, Limited.

In 1978, Canadian Gold Crest Ltd. leased the Young-Shannon and built a steel headframe and constructed a 70 ton floatation mill on the property, "C" Zone. Some underground development was done and also some ore was mined from the slot-trench open pit on the north west corner of Three Duck Lake, "B" Zone, see Map No.2 of Young-Shannon Gold Mines, Limited.

In 1984 and 1986, Robert S. Middleton Exploration Service did extensive V.L.F. and I.P. surveying over Three Duck Lake on the ice and numerous anomalies have been indicated, some of which could be interesting diamond drill targets, see Map No's 2 & 3.



MAP 3
YOUNG-SHANNON GOLD MINES, LIMITED

Scale 0 300 feet

June 16, 1987
C. G. Chevillon

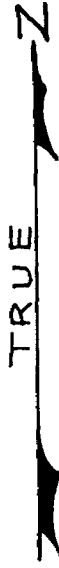
V GENERAL GEOLOGY

The area of drilling lies on the eastern extension of the Swayze greenstone belt". It is underlain by granite, granite gneiss and felsic porphyries of Late Archaen age. Included within these granitic rocks are tightly folded early Archaen meta-volcanics and meta-sedimentary schist and gneiss.

The gold-bearing veins tend to occur in the Temiskaming-like meta-sedimentary schist and meta-volcanics such as actinolite schist with minor pyrite, chalcopyrite and pyrrhotite and a range of quartz and carbonate. Some sphalerite and molybdenite have been observed at the "C" Zone.

"A" ZONE

Seven holes comprising 2151 feet were drilled, see Map No's 4, 5, 6 and 7 and the drill logs in the appendix. Note that sample No. 2417 across 2.0 feet of split core assayed 3.71 ounces of gold per ton and 36.6 p.p.m. of silver. Visible gold is scattered throughout the patches of massive pyrite.



Induced Polarization
Anomalies -
under water
projected gold

7N
Zone

Gosselin
gold showing

87-10

87-4

87-3

87-7

87-6

A ZONE

24 W

16W

proposed trenching
and drilling 1987

Trappers
Cabin

YOUNG - SHANNON GOLD MINES, LIMITED

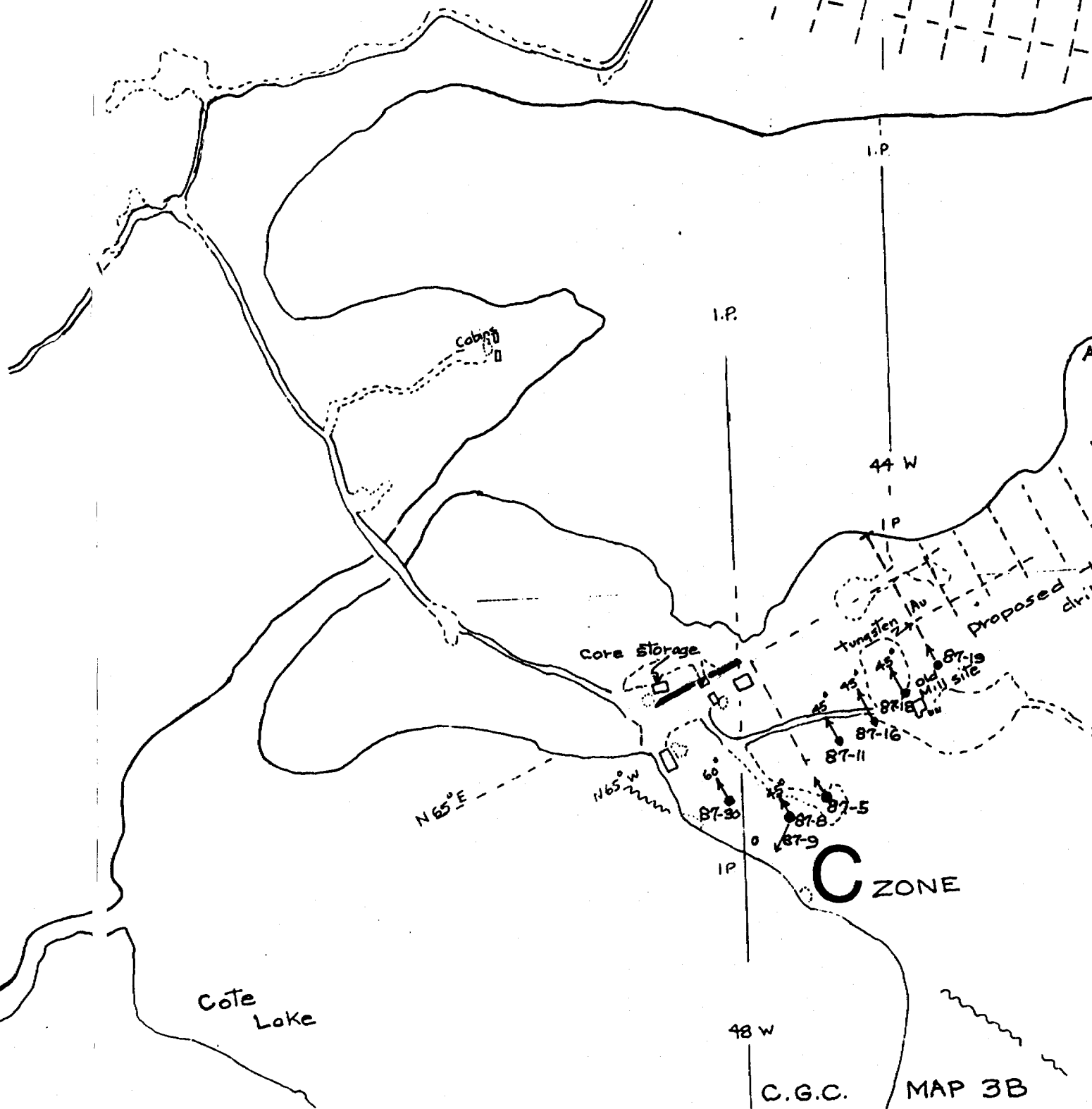
MAP 3A

clearing for Power Line

B ZONE

87-13
87-12 87-15
87-11

Continue drilling 13



"B" ZONE

Five holes comprising 1056 feet were drilled, see Map No's 8, 9, 10 and 11 and the drill logs. Note that sample 2458 assayed 1.2 ounces of gold per ton fire assay across 1.5 feet and the sample 10302 of the adjoining 3 feet assayed 0.153 ounces, first by Atomic Adsorption and the re-run pulp assayed 0.213 on fire assay. This would average to an intersection of five feet grading 0.48 ounces of gold per ton.

"C" ZONE

Seven holes comprising 3051 feet were drilled, see Map No's 12 to 20 inclusive and the drill logs in the Appendix. Note samples No. 2422 which fire assayed 1.88 ounces of gold per ton over 2 feet and the adjoining 5 feet (2433) ran 3.30 ounces giving an average of 7 feet of 2.89 ounces (uncut). The section comprised many irregular quartz and carbonate veinlets with many blebs of clearly visible gold.

Samples 10293 from 87-18 assayed 4.12 ounces over 2.0 feet. Significant sections of scheelite were discovered by mineral light in 87-19 and sample 10298 fire assayed 0.943 ounces over 3.1 feet with some sphalerite and significant gold on both sides. In fact, this section appears to be strataform meta-tuffs with disseminated pyrite and an appreciable width of gold mineralization. Trenching and drilling will be continued easterly.

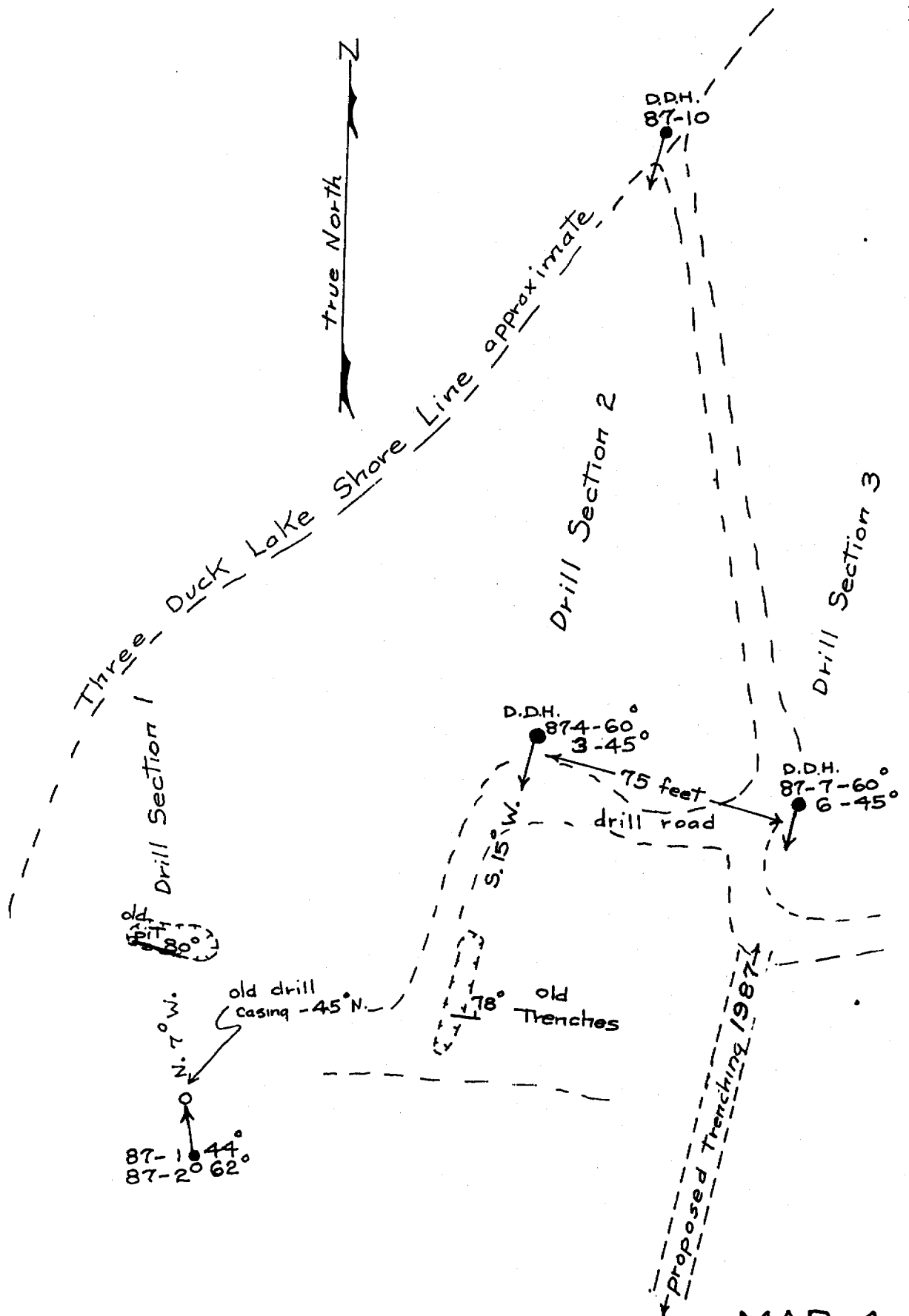
"D" ZONE (CHESTER MINERALS)

Three holes comprising 1520 feet were drilled at 200 foot spacings in trondjemite granite. Significant gold was found but the width is narrow.

"F" ZONE (CHESTER MINERALS)

Seven holes were drilled at the south end of Clam Lake, see Maps 25 to 31 inclusive. Drill holes 87-27 & 28 shows the vein dipping 60° south and yield intersections of 0.56 ounces of gold per ton fire assay and 0.28 ounces across 2.0 feet, in sample No. 2466.

The vein appears to be in a sheared and brecciated structure in contrast with the strata-form mineralized meta-tuffs in "A" Zone and possible "C" Zone east.

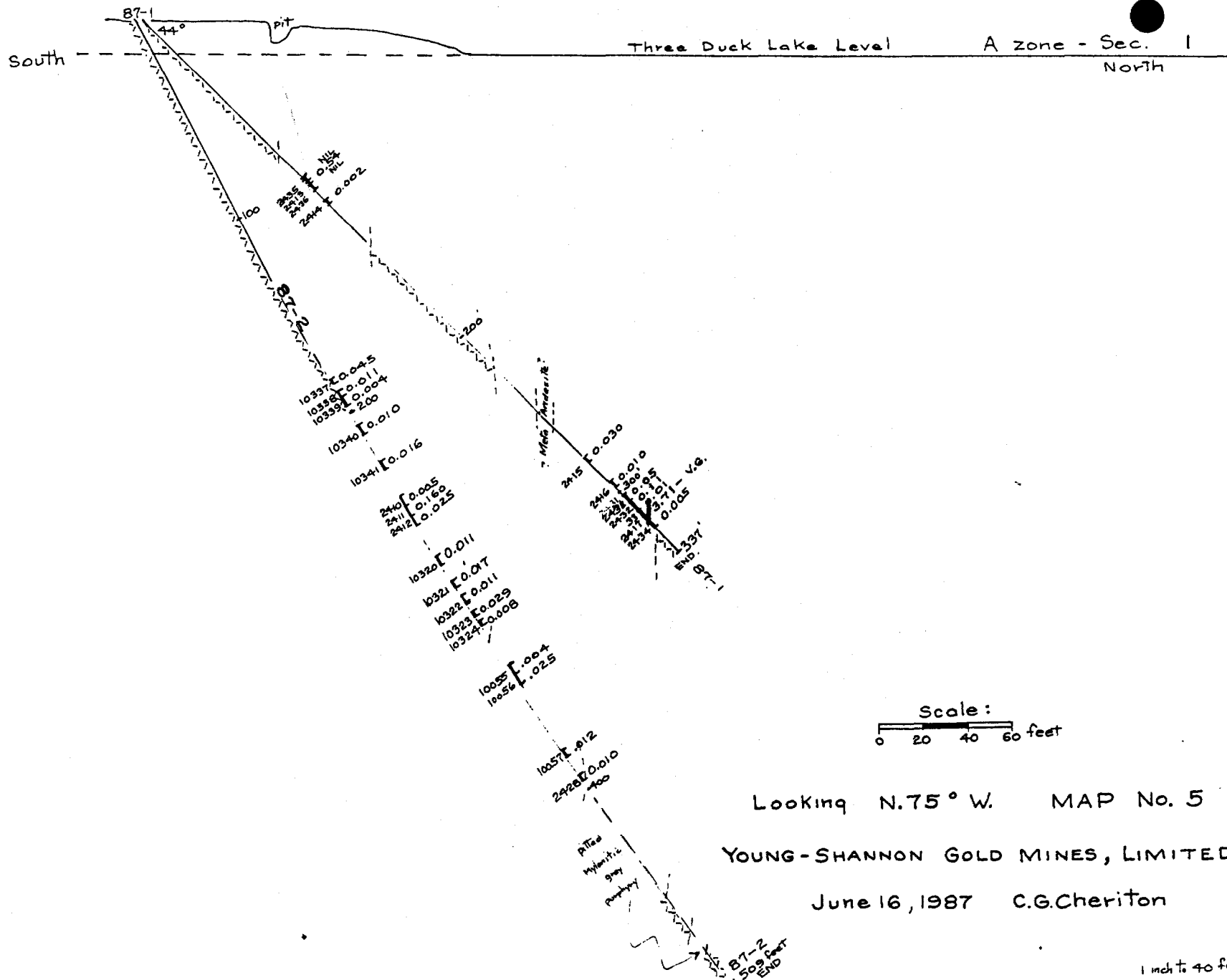


MAP 4

YOUNG - SHANNON MINES LTD.
PLAN ZONE "A" (Gosselin Showing)

June 22, 1987 Scale 1 inch to 40 feet.

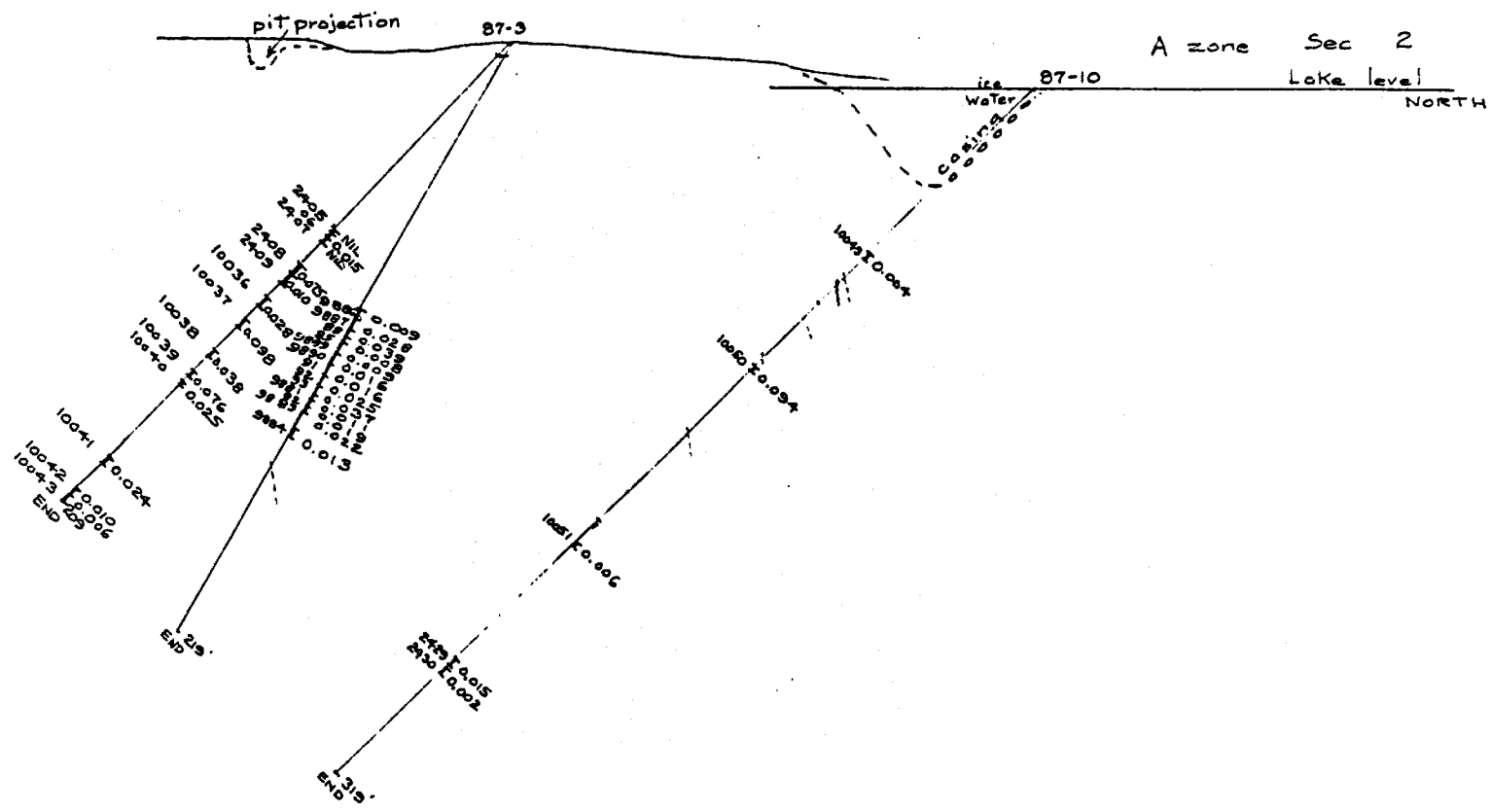
BYB.



Scale:
 0 20 40 60 feet

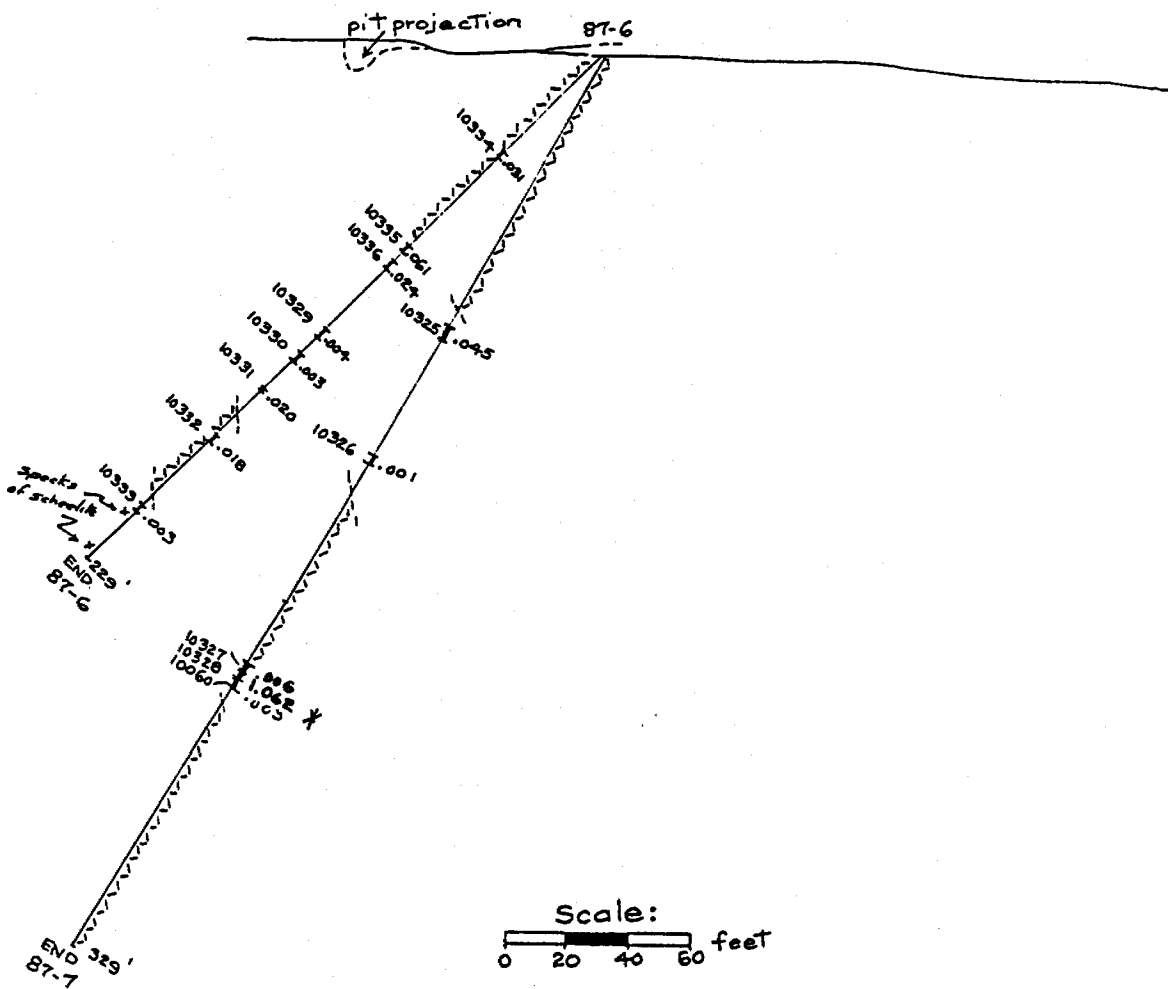
Looking N.75° W. MAP No. 5
 YOUNG-SHANNON GOLD MINES, LIMITED
 June 16, 1987 C.G. Cheriton

1 inch to 40 feet

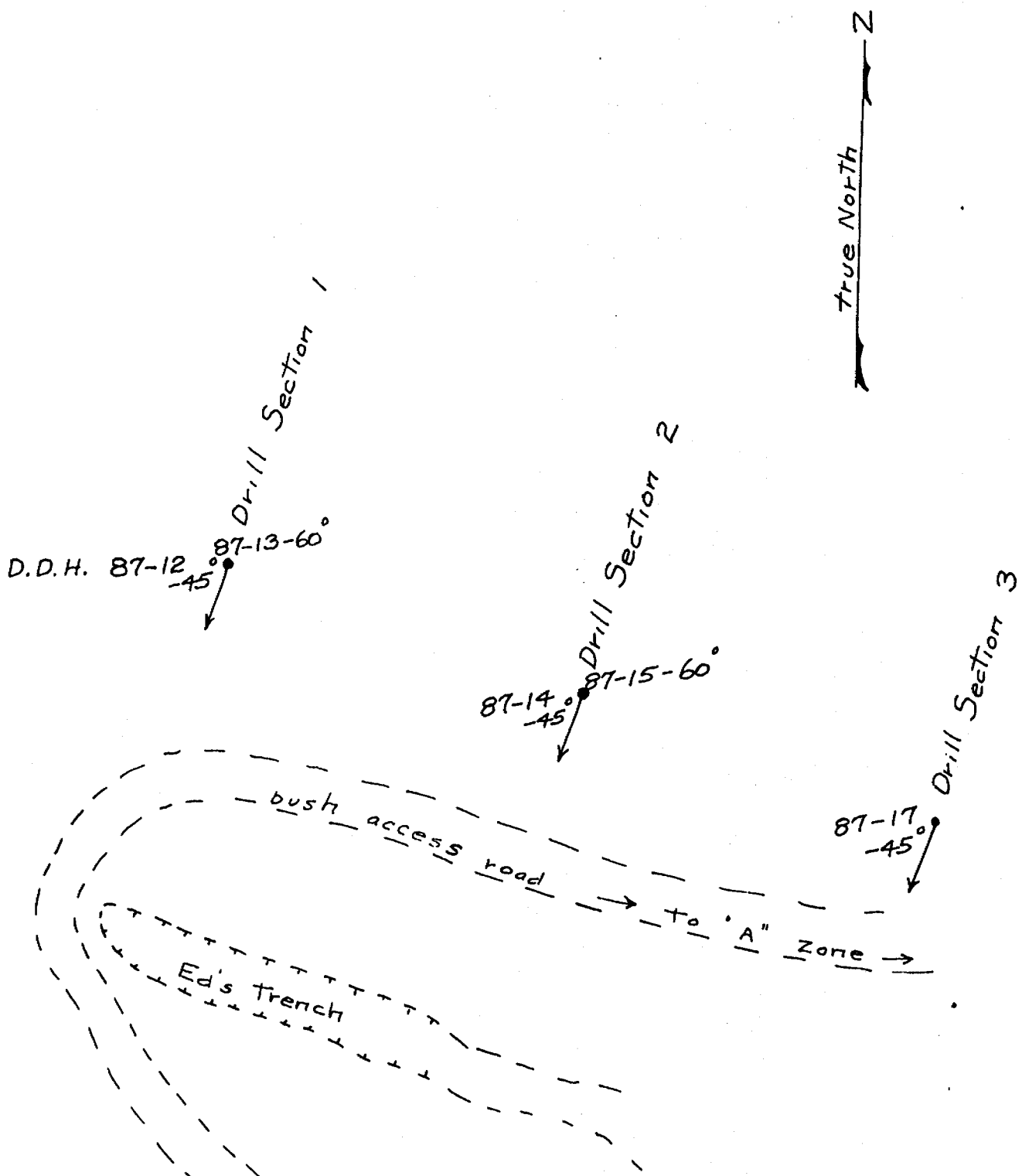


scale:
 0 20 40 60 feet

Looking N.75° W. MAP No. 6
 YOUNG-SHANNON GOLD MINES, LIMITED
 June 16, 1987 C.G. Cheriton

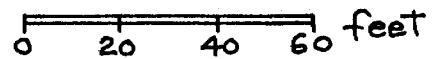


Looking N.75° W. MAP No. 7
 YOUNG-SHANNON GOLD MINES, LIMITED
 June 16, 1987 C.G. Cheriton



PLAN OF 'B' ZONE

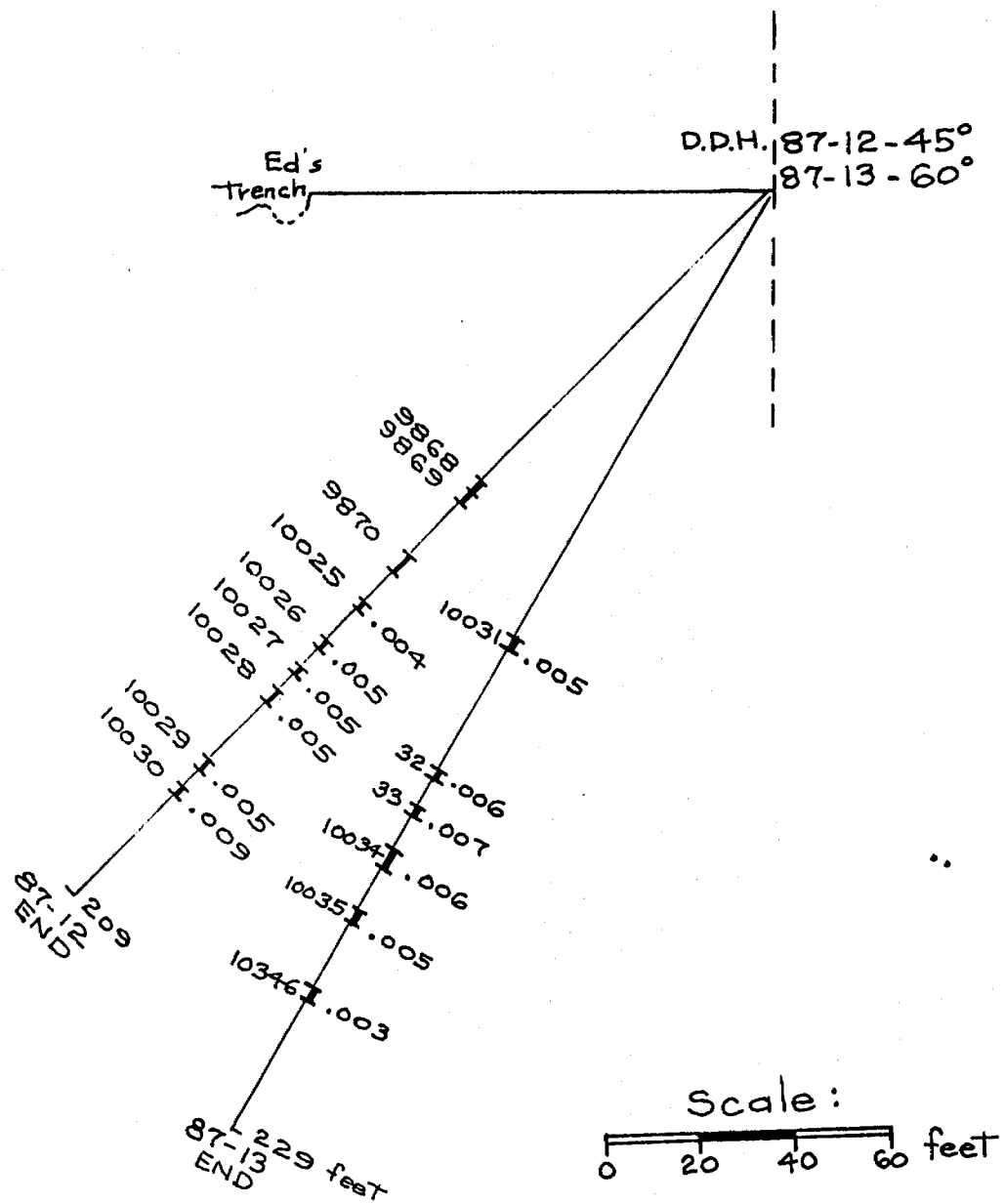
Scale:



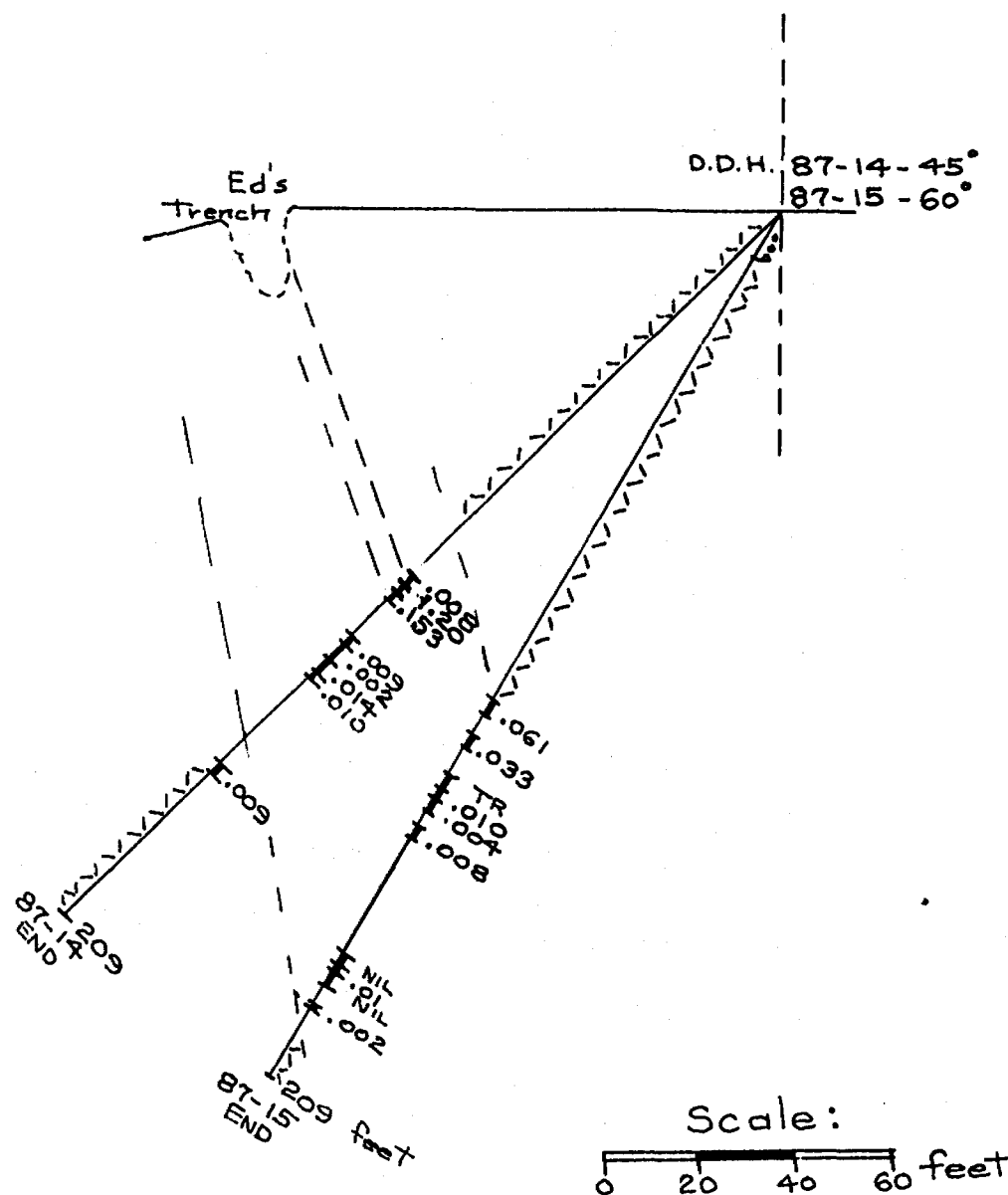
YOUNG - SHANNON MAP No. 8

GOLD MINES, LIMITED

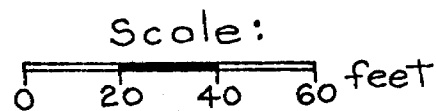
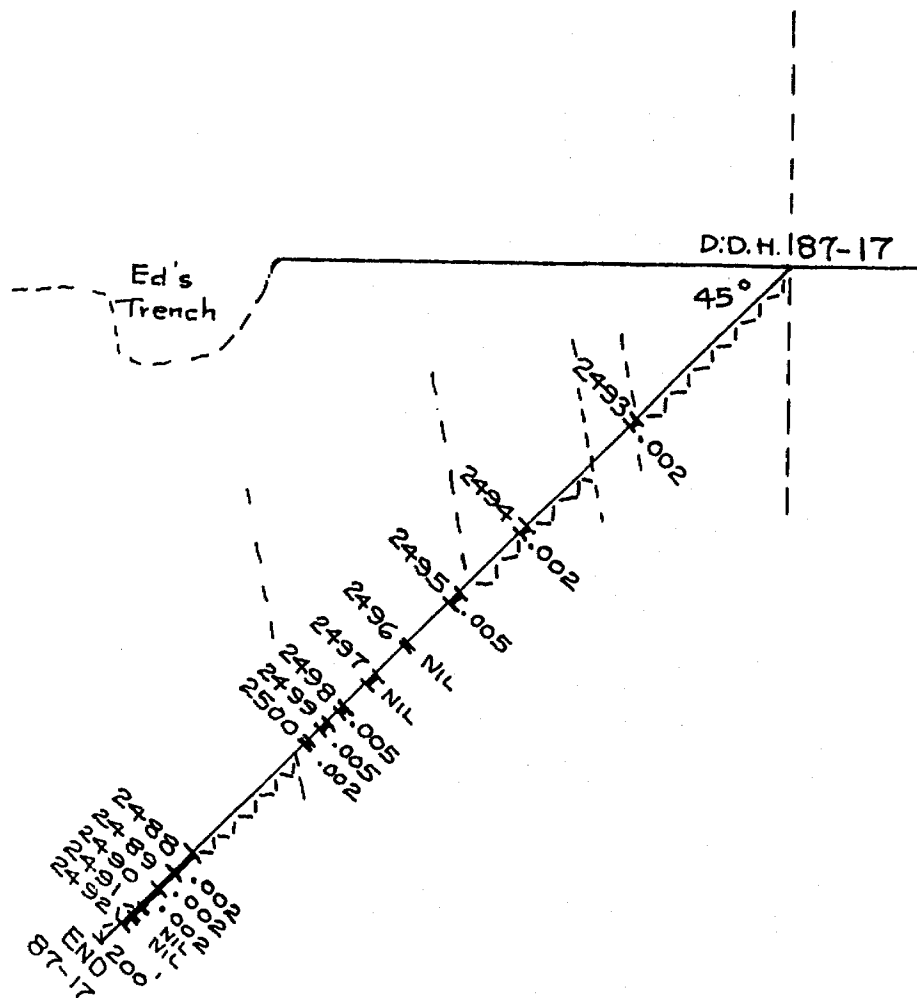
June 16, 1987 C.G. Cheriton



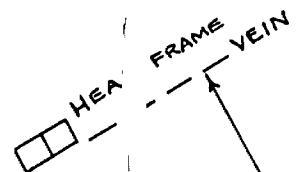
Looking N. 70° W. MAP No. 9
 YOUNG-SHANNON GOLD MINES, LIMITED
 June 16, 1987 C.G. Cheriton



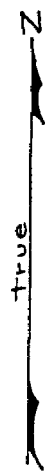
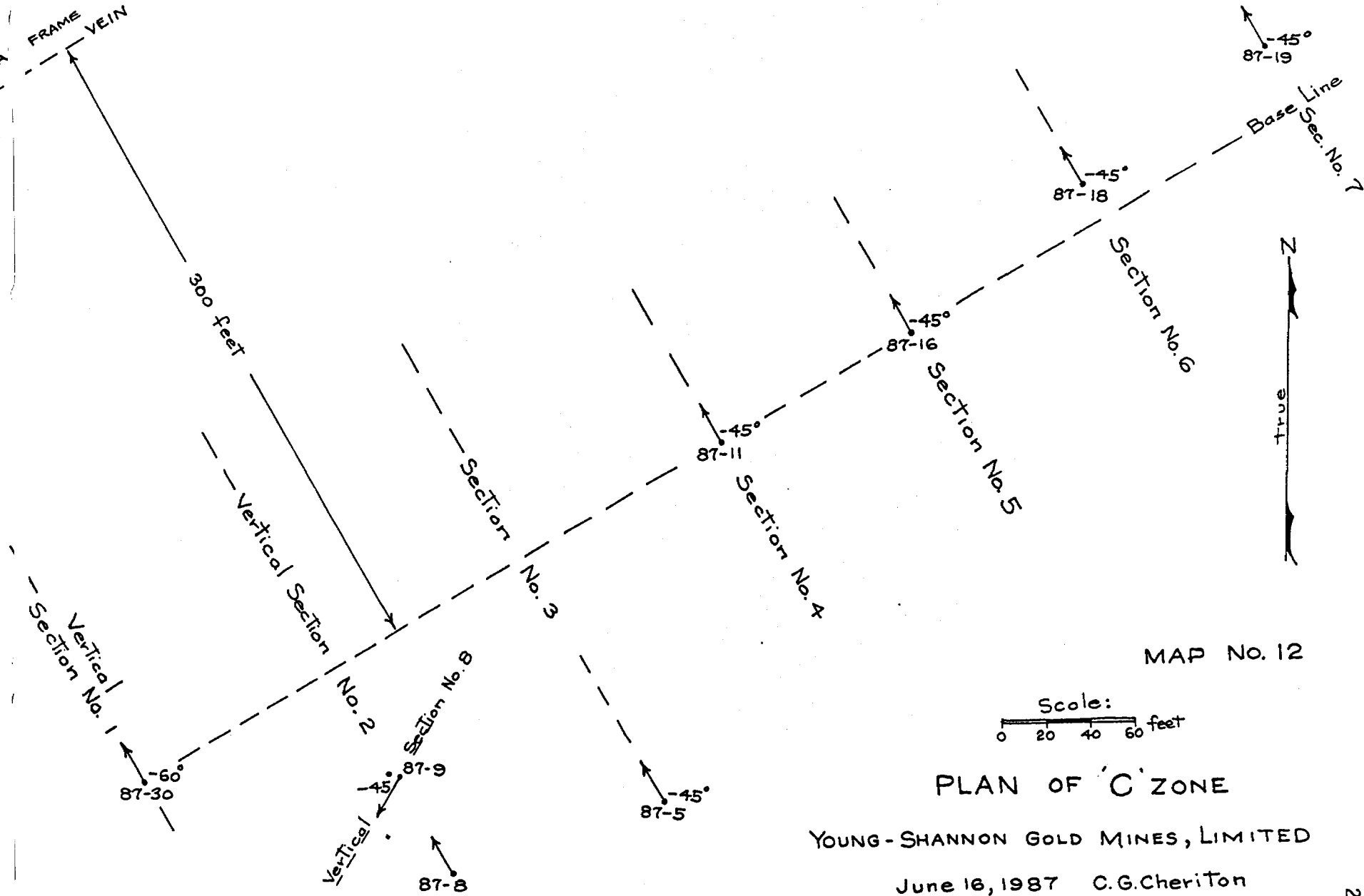
Looking N. 70° W. MAP No. 10
 YOUNG-SHANNON GOLD MINES, LIMITED
 June 16, 1987 C.G. Cheriton



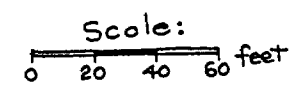
Looking N.70° W. MAP No. 11
 YOUNG - SHANNON GOLD MINES, LIMITED
 June 16, 1987 C.G. Cheriton



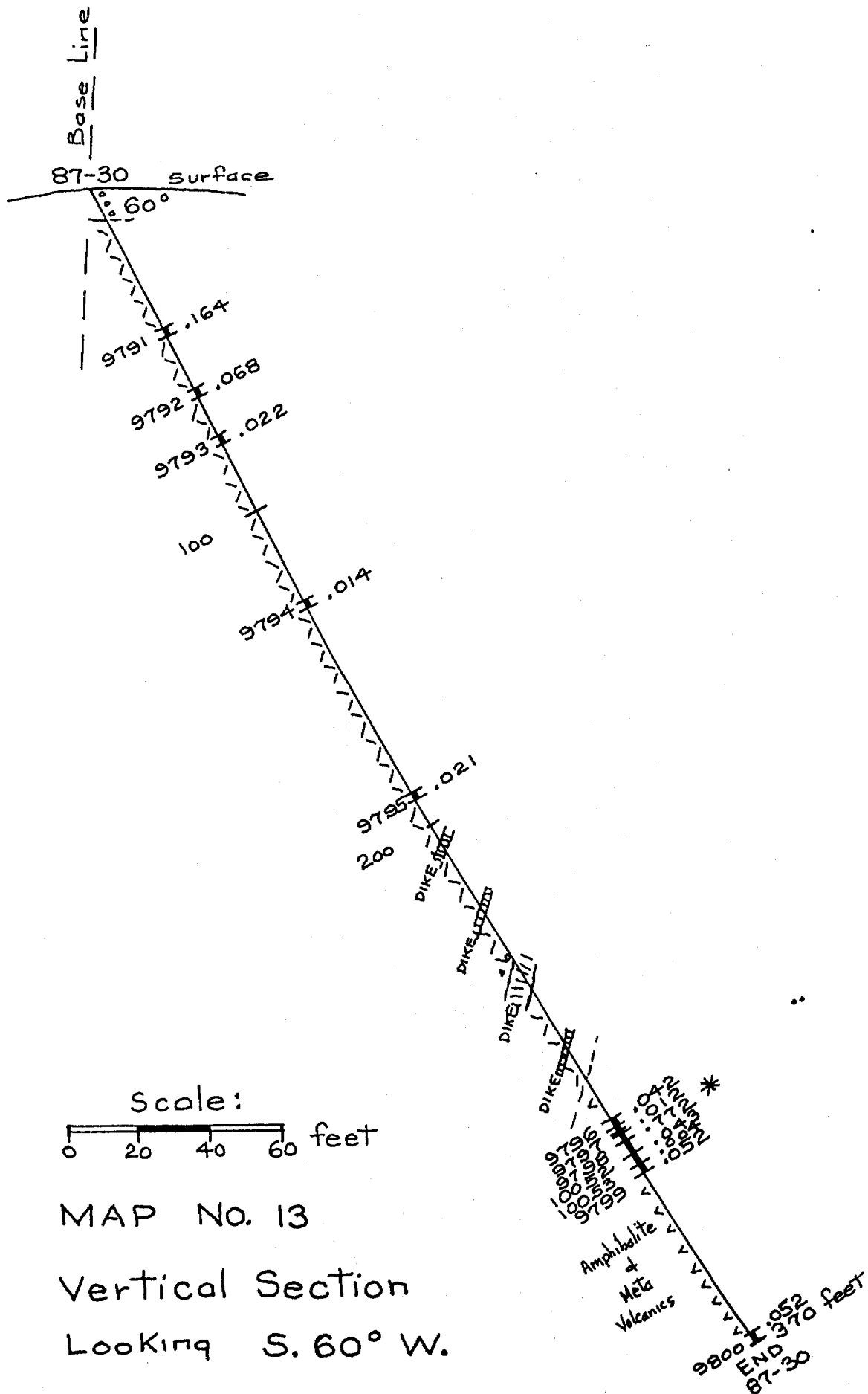
300 feet



MAP NO. 12



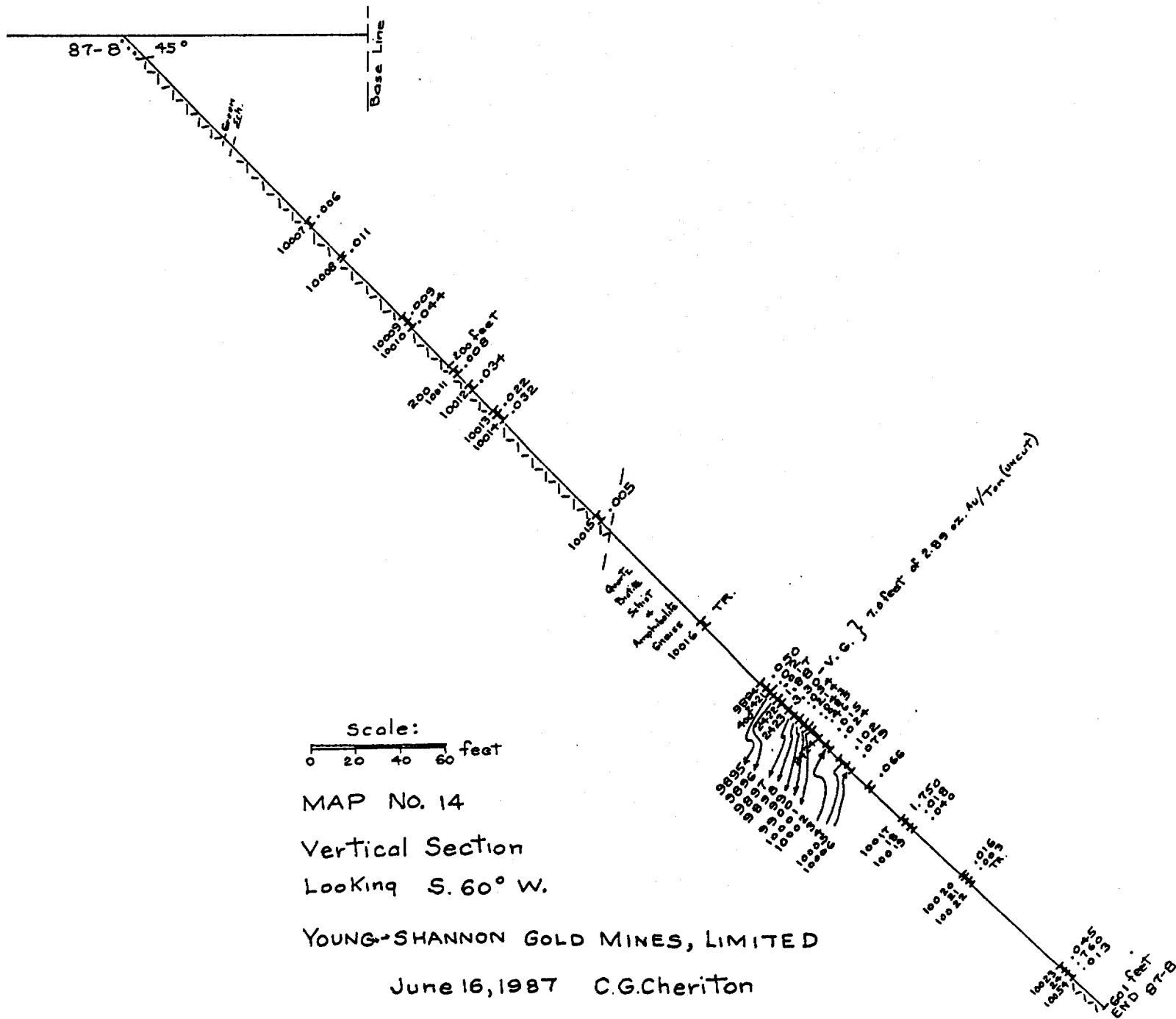
PLAN OF 'C' ZONE
 YOUNG-SHANNON GOLD MINES, LIMITED
 June 16, 1987 C.G.Cheriton

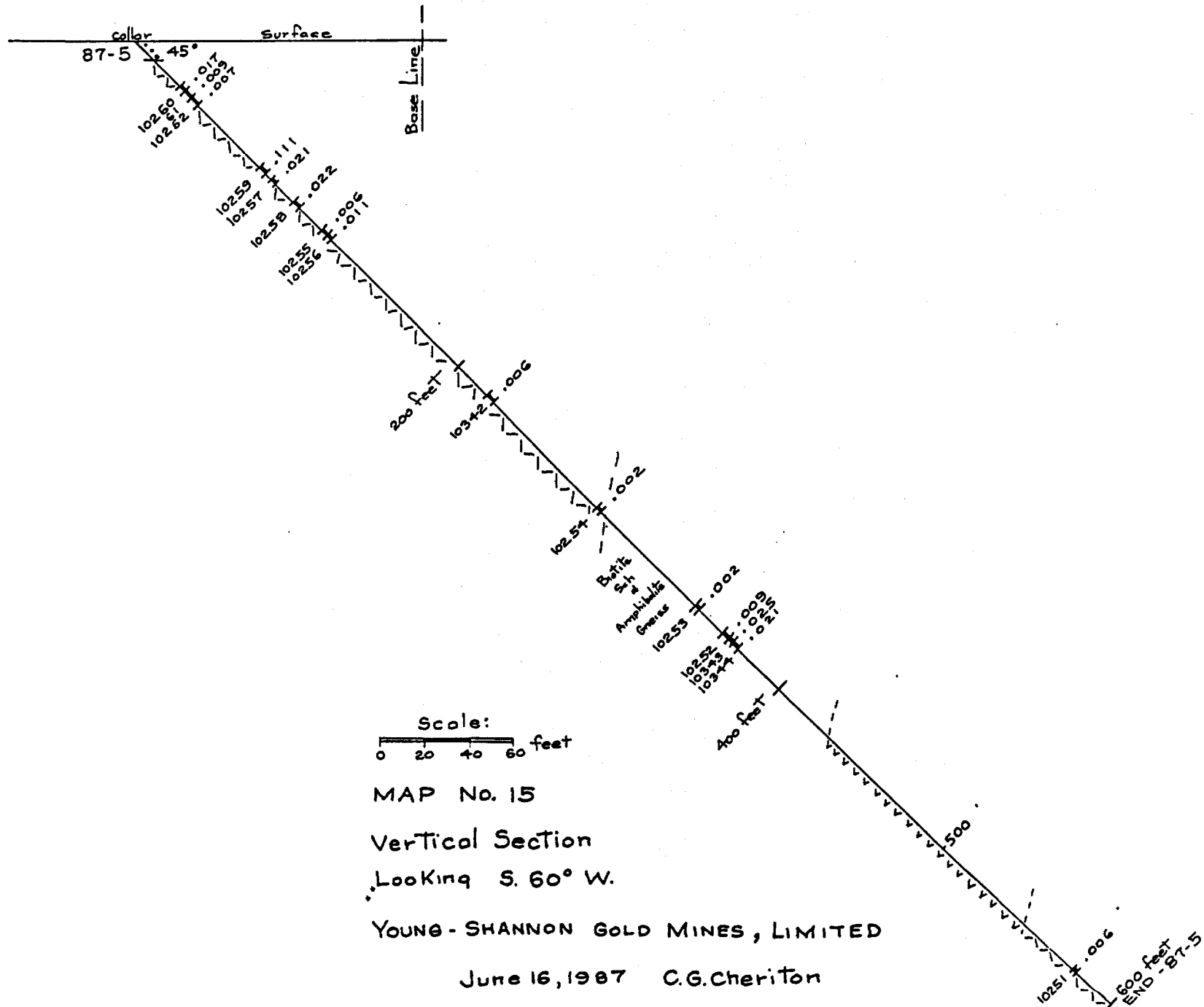


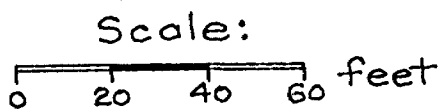
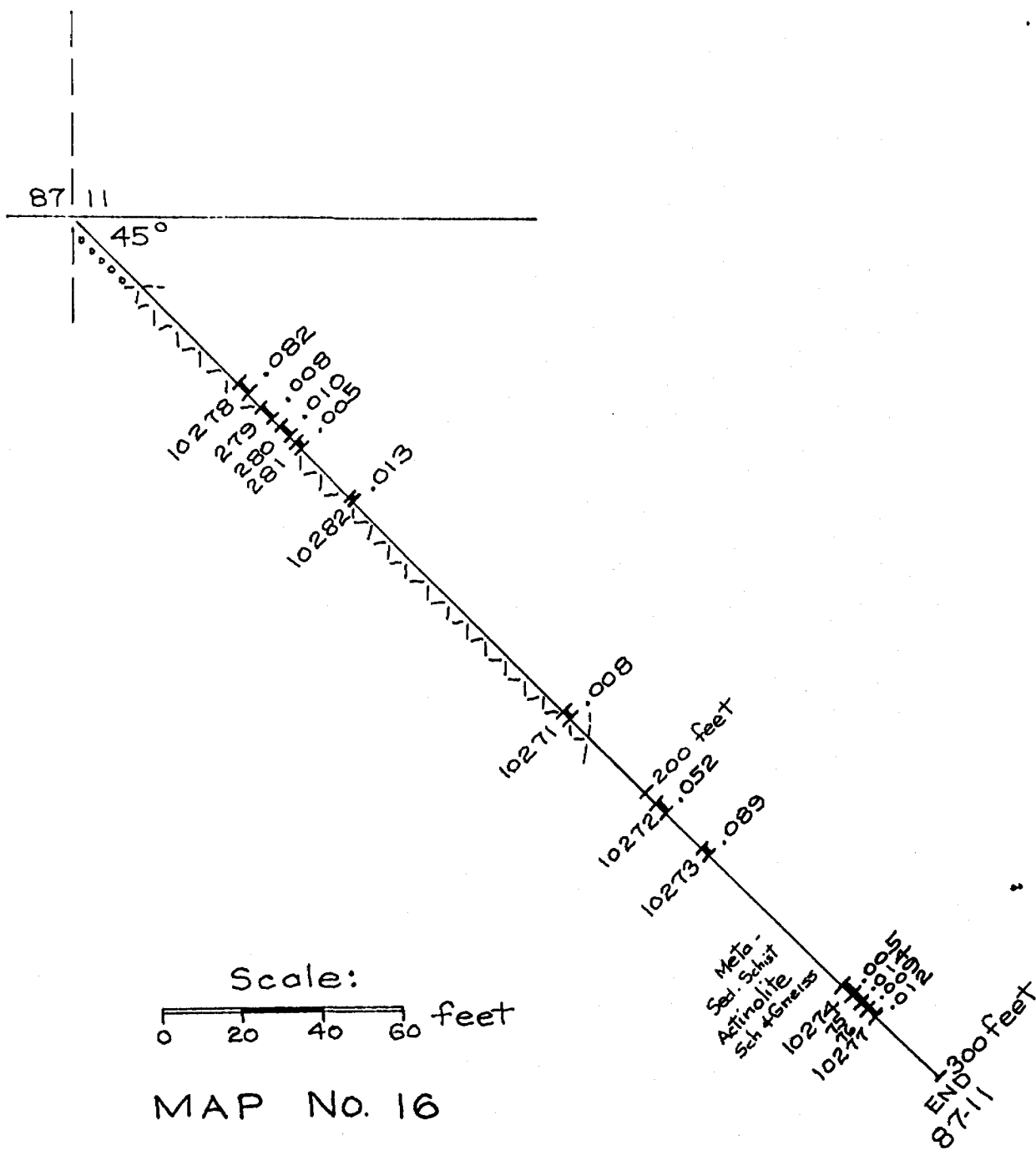
Scale:
 0 20 40 60 feet

MAP No. 13
 Vertical Section
 Looking S. 60° W.

YOUNG - SHANNON GOLD MINES, LIMITED
 June 16, 1987 C.G. Cheriton







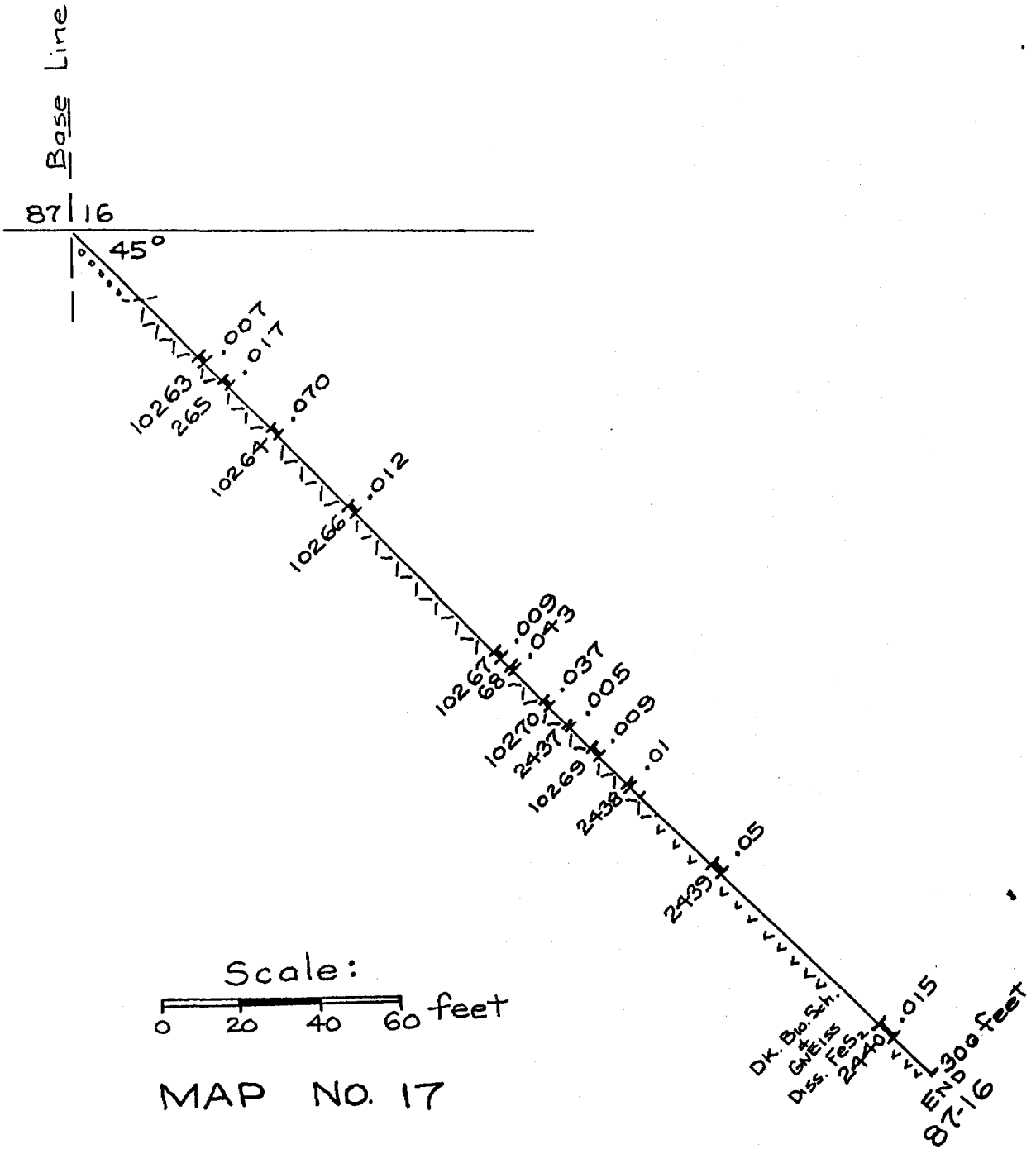
MAP No. 16

Vertical Section

Looking S. 60° W.

YOUNG-SHANNON GOLD MINES, LIMITED

June 16, 1987 C.G. Cheriton



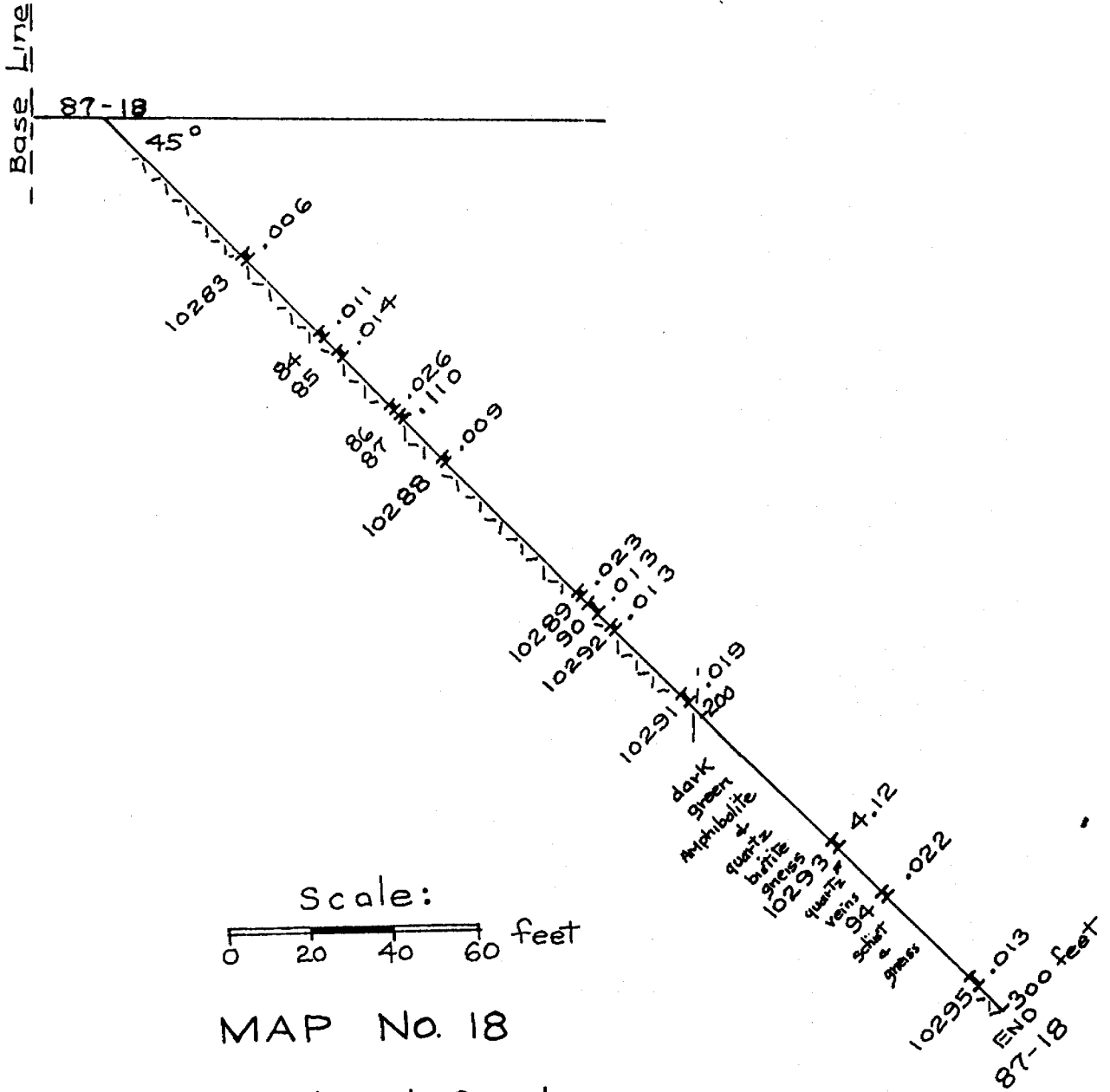
MAP NO. 17

Vertical Section

Looking S. 60° W.

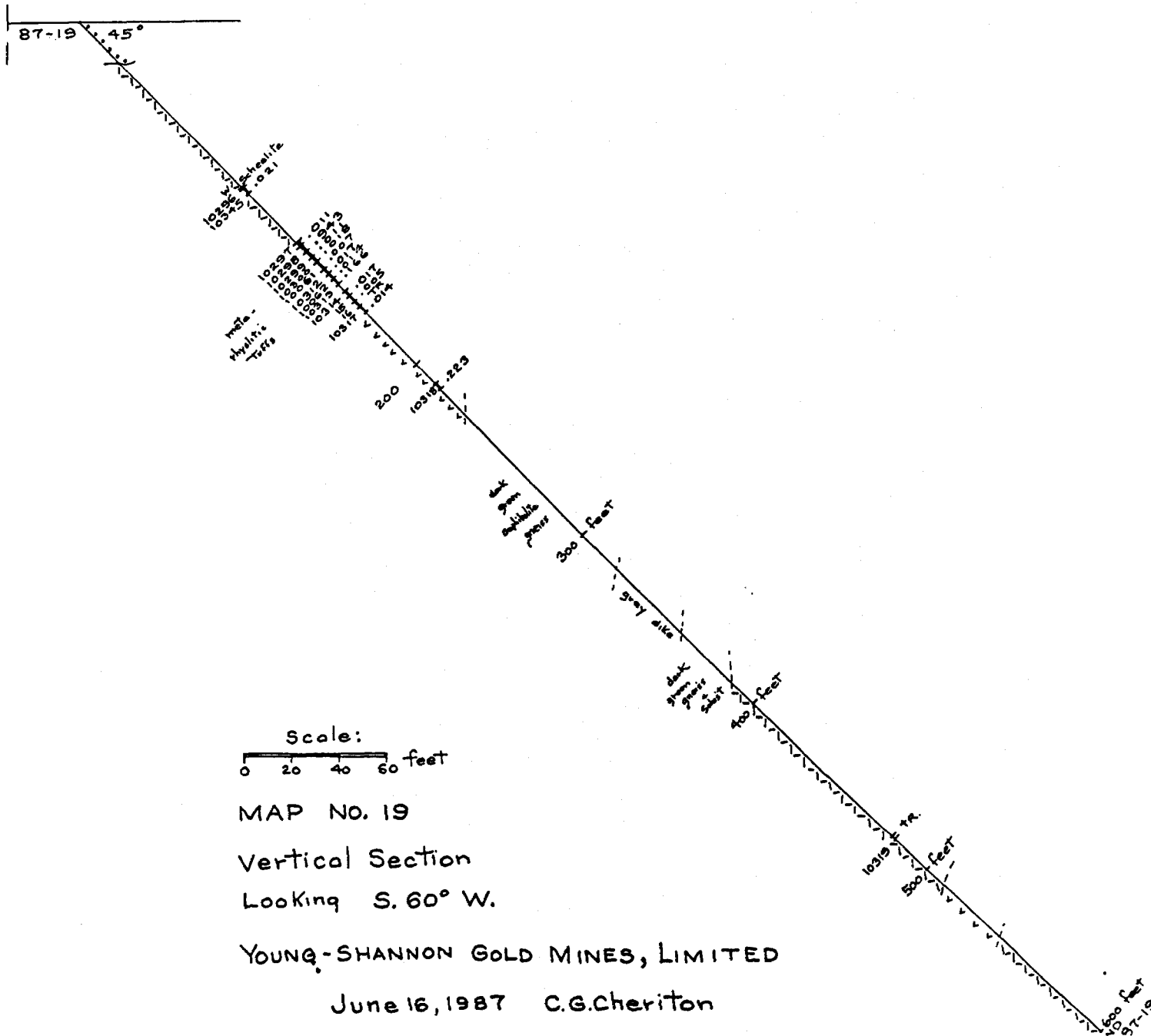
YOUNG - SHANNON GOLD MINES, LIMITED

June 16, 1987 C.G. Cheriton

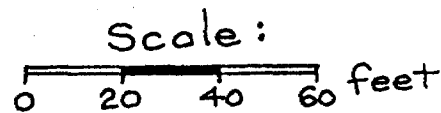
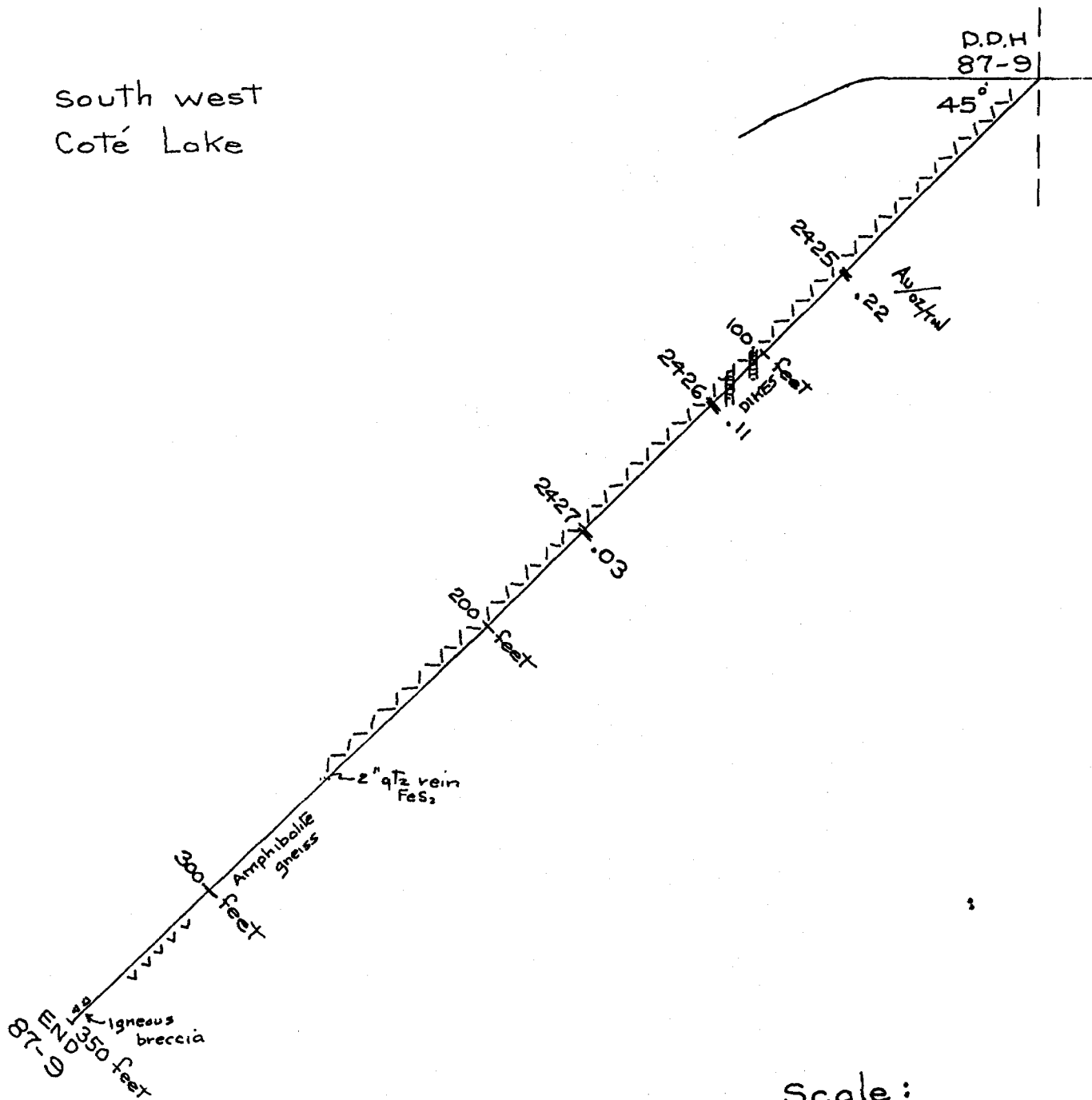


YOUNG-SHANNON GOLD MINES, LIMITED

June 16, 1987 C.G.Cherton



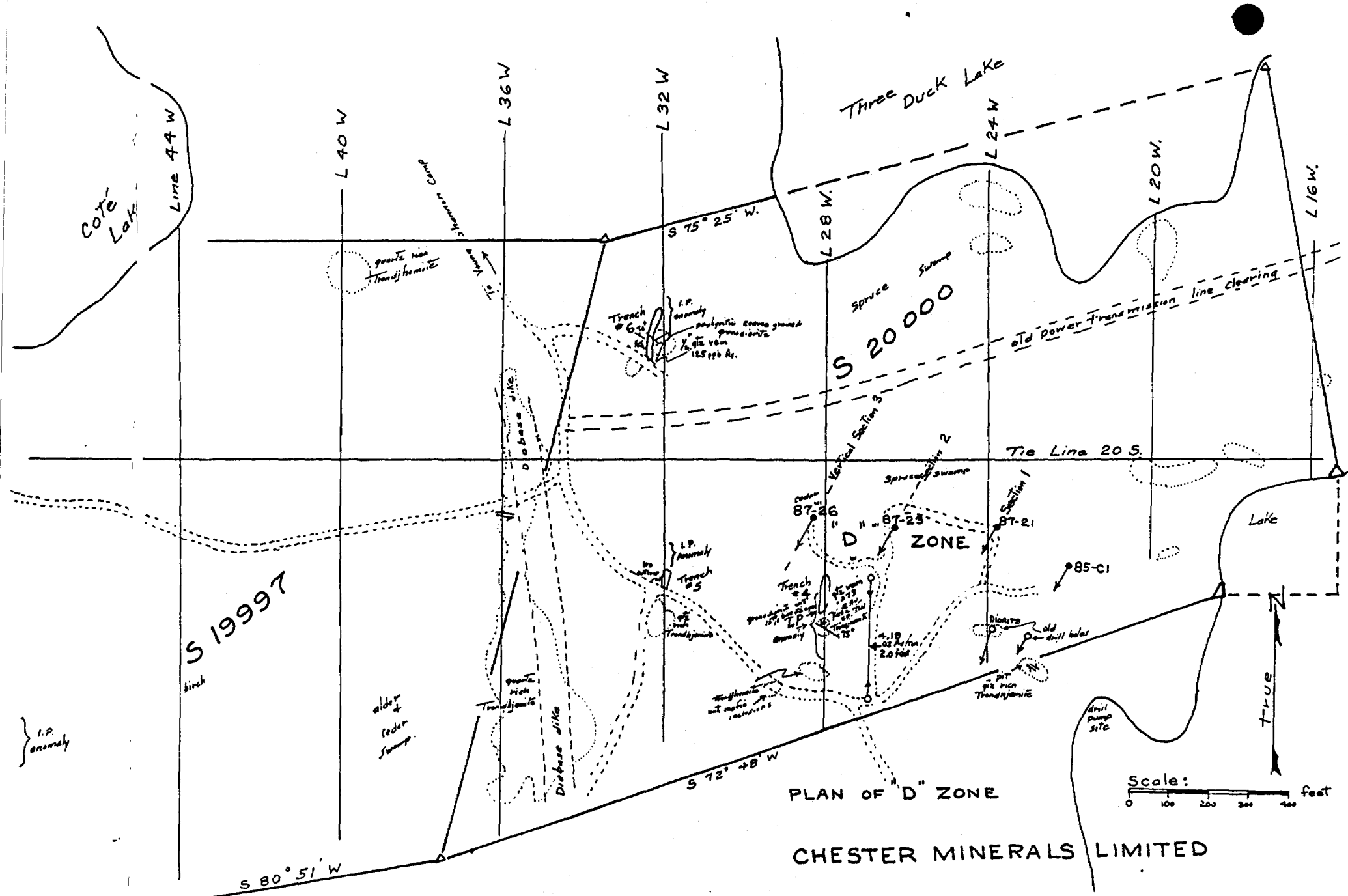
South west
Coté Lake



Looking N.60° W. MAP No. 20

YOUNG-SHANNON GOLD MINES, LIMITED

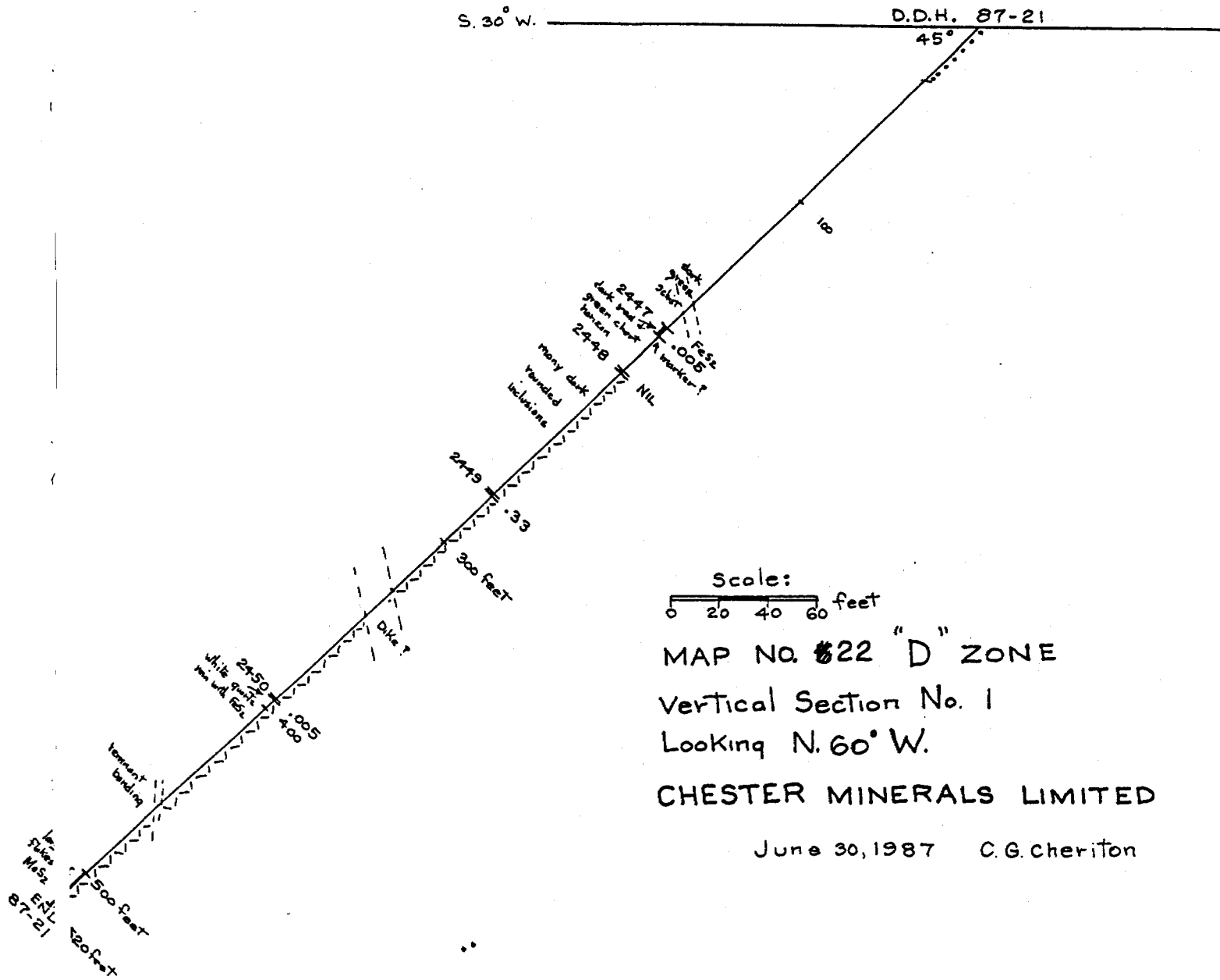
June 16, 1987 C.G.Cheriton



PLAN OF "D" ZONE

CHESTER MINERALS LIMITED

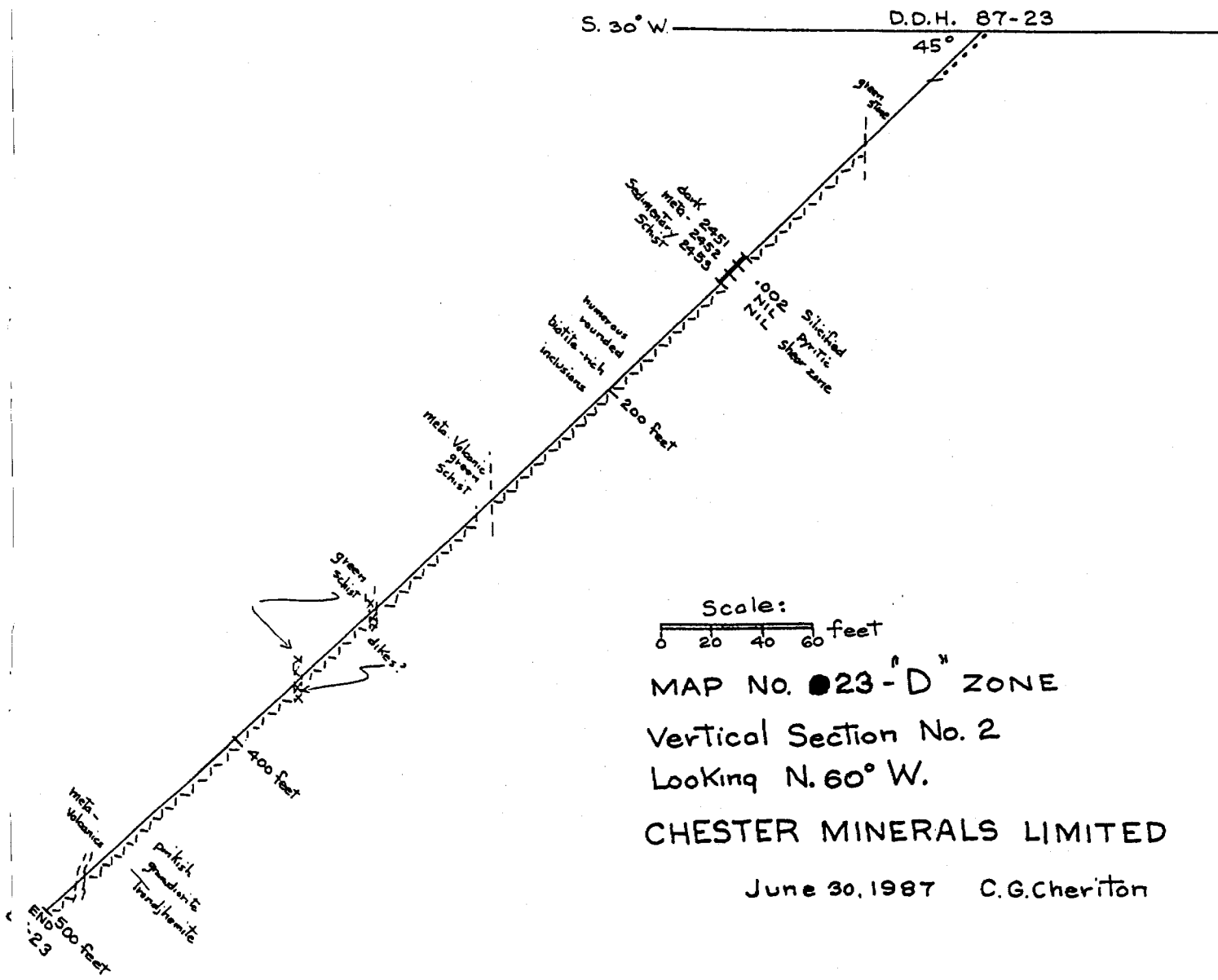
MAP NO. 21 June 30, 1987 C.G. Cheriton

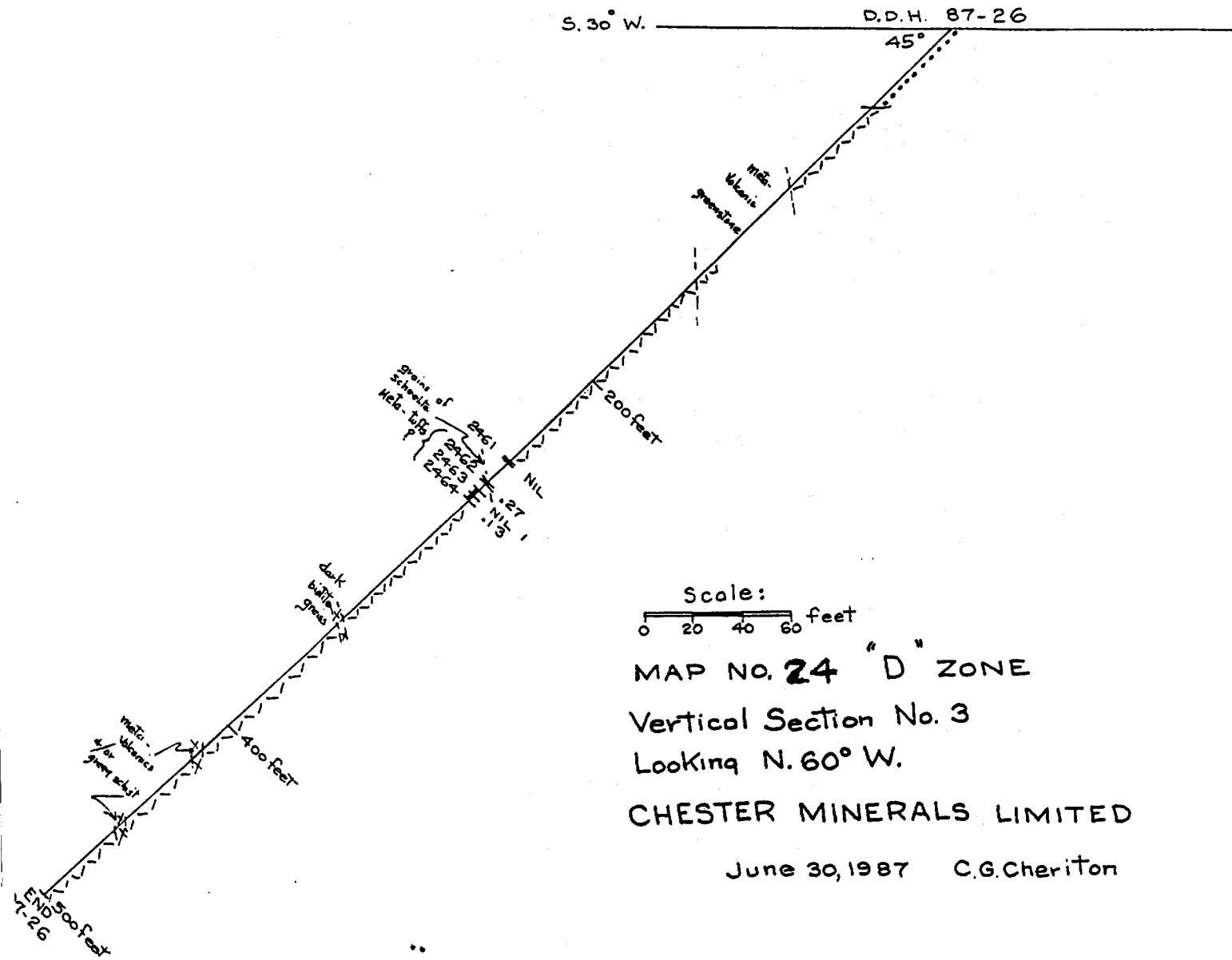


MAP NO. 22 "D" ZONE
 Vertical Section No. 1
 Looking N. 60° W.

CHESTER MINERALS LIMITED

June 30, 1987 C.G. Cheriton





S. 30° W. D.D.H. 87-26
45°

grains of Schwab Helv. tub?
2461
2462
2463
2464
.27
.15
NIL

Scale:
0 20 40 60 feet

MAP NO. 24 "D" ZONE
Vertical Section No. 3
Looking N. 60° W.

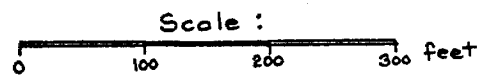
CHESTER MINERALS LIMITED

June 30, 1987 C.G. Cheriton

CHESTER MINERALS LIMITED

MAP NO. 25

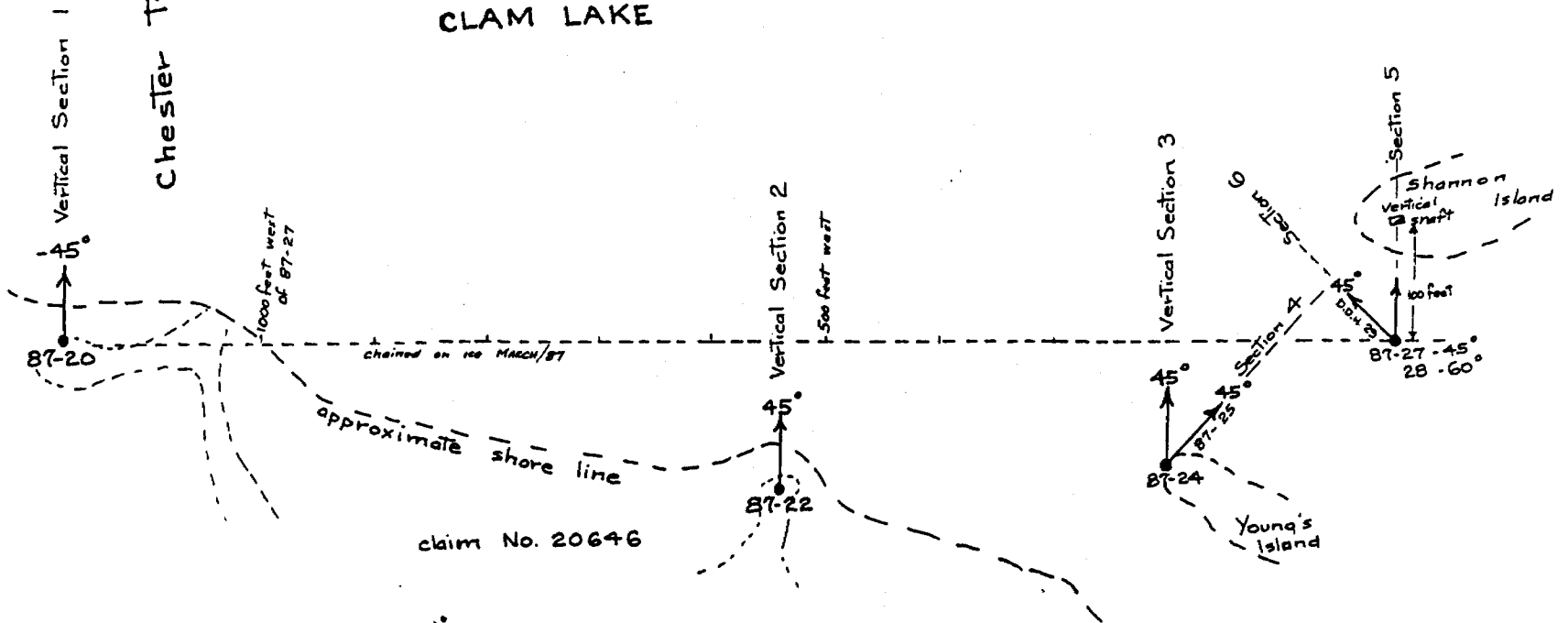
PLAN OF 'F' ZONE



100 IWP.

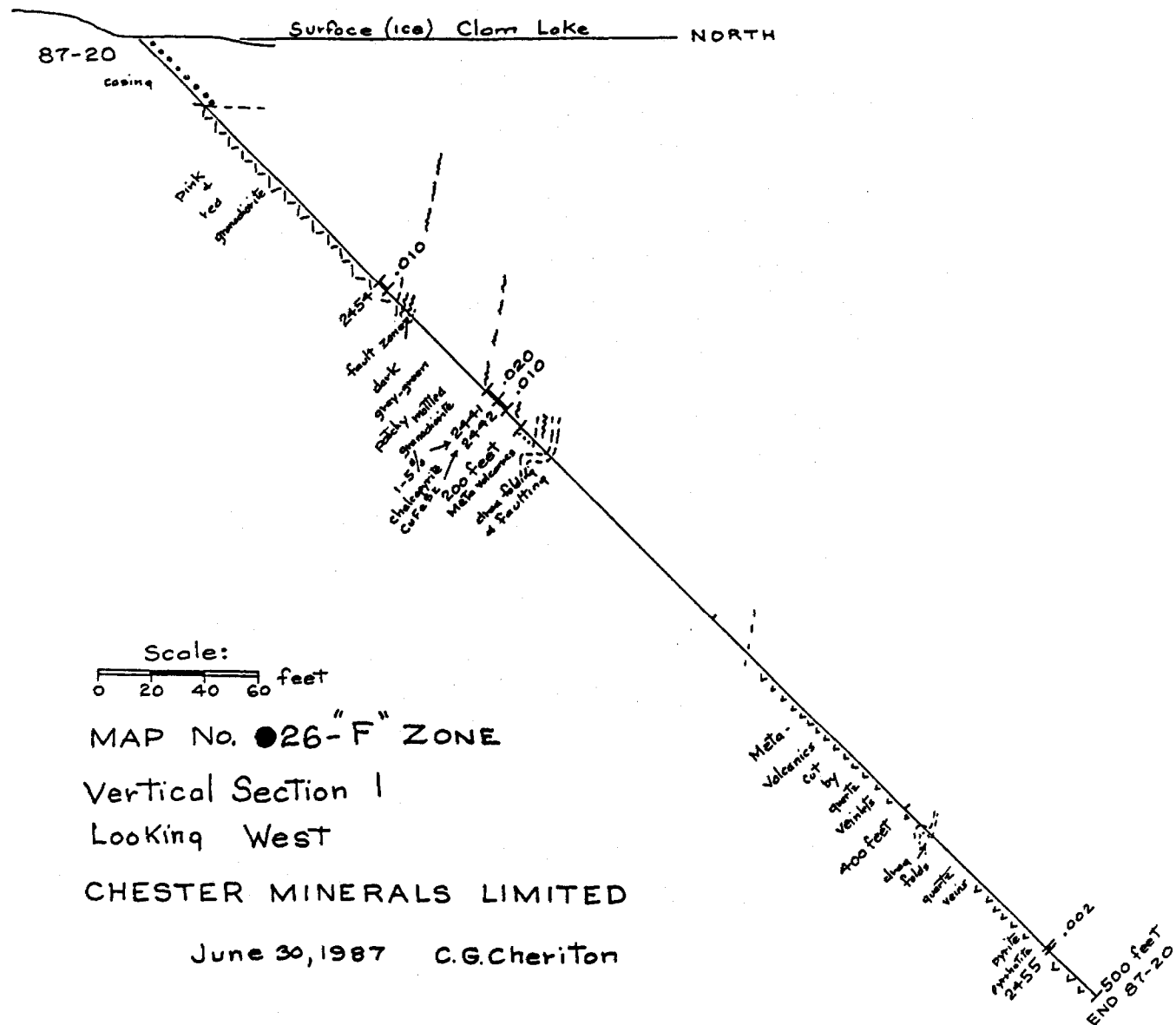
Chester Twp.

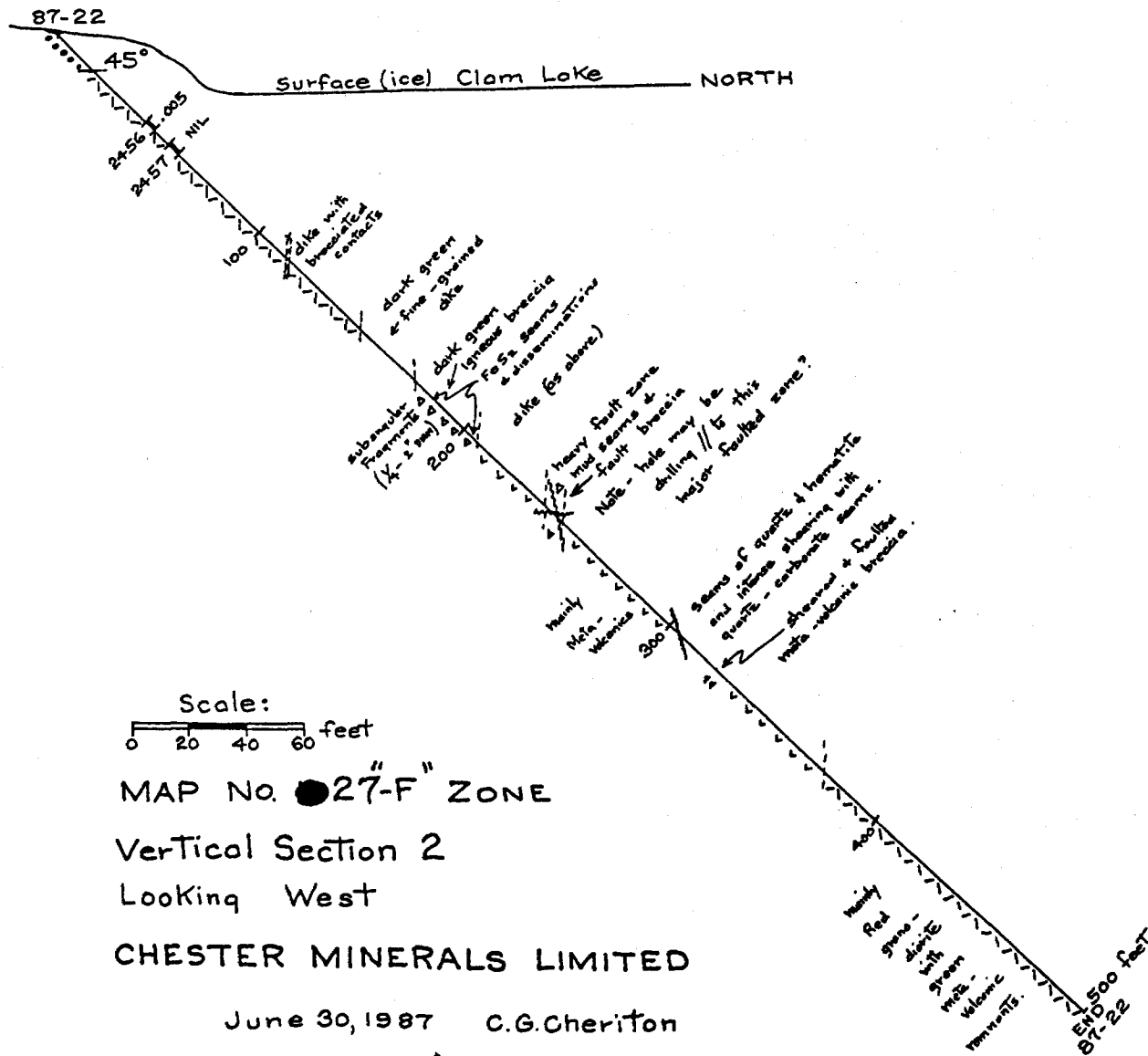
claim No. 16304
CLAM LAKE



claim No. 20646

June 30, 1987 C.G. Cheriton





drilled from N.W. corner of

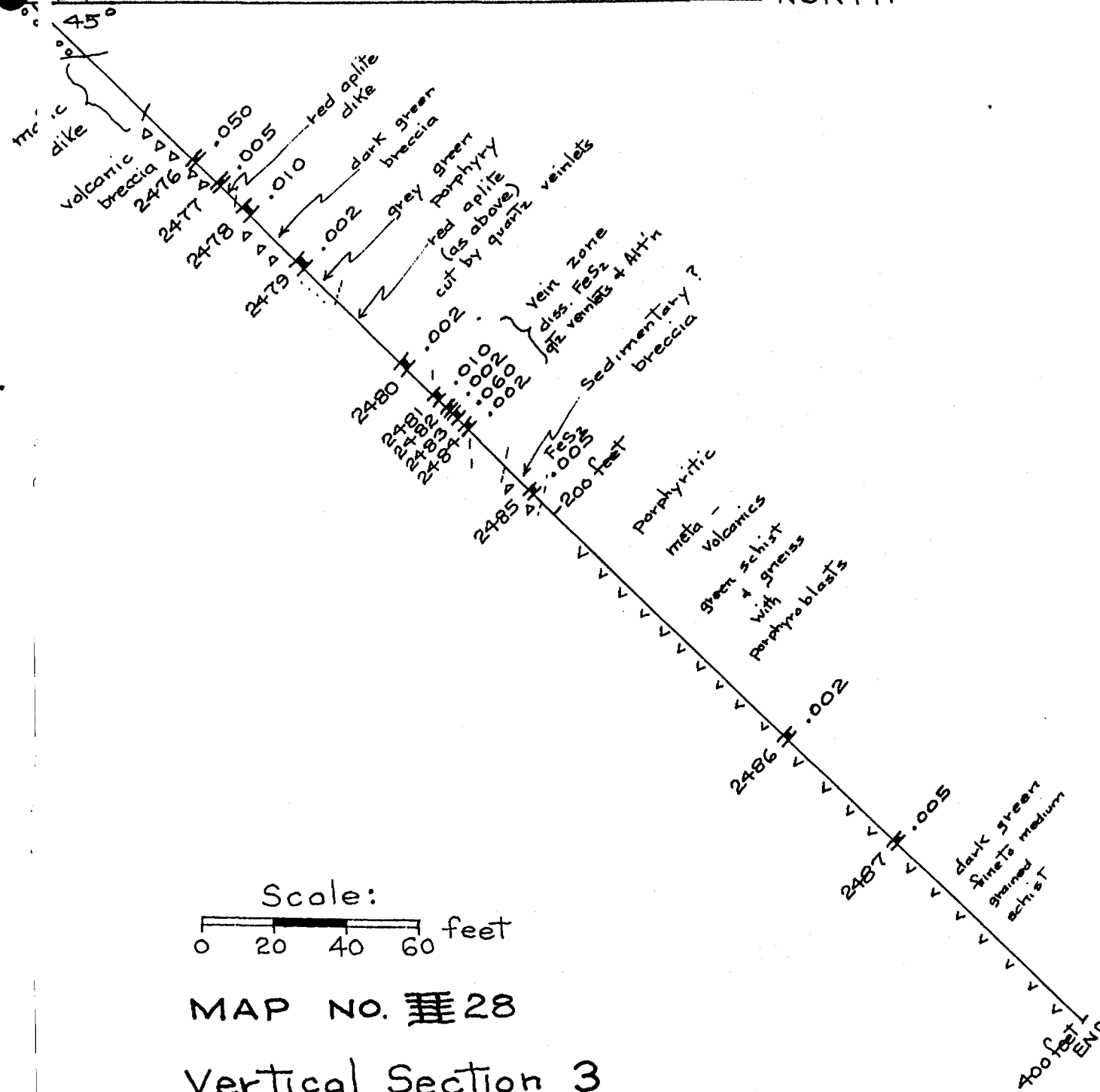


24

Yong's Island

Surface (ice) Clam Lake

NORTH



MAP NO. 28

Vertical Section 3

Looking West "F" Zone

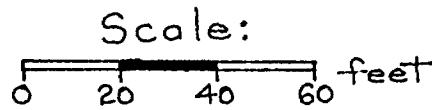
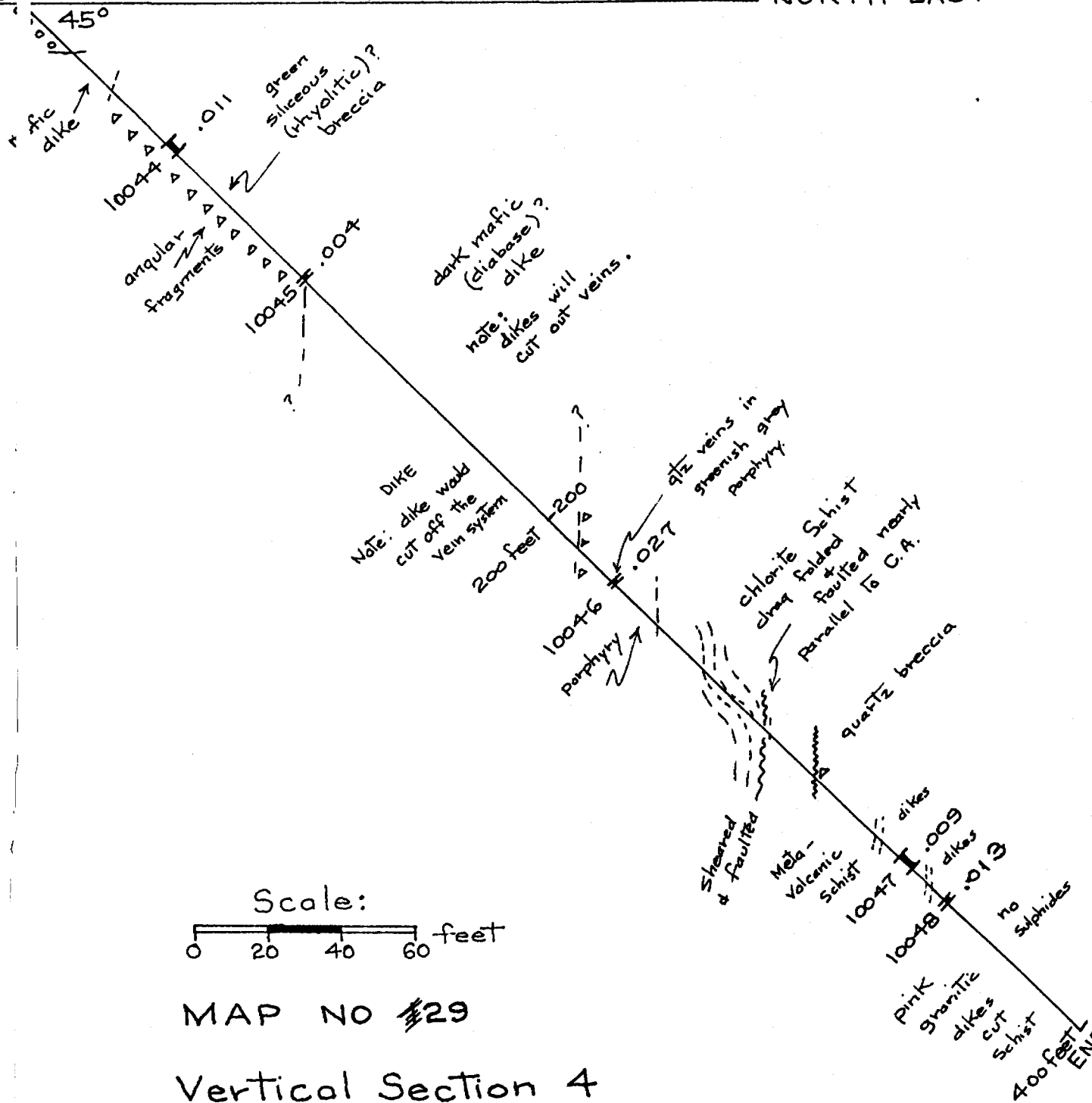
CHESTER MINERALS LIMITED

June 30, 1987 C.G. Cheriton

drilled from N.W. corner of Inq's Island -25

Surface (ice) Clam Lake

NORTH EAST

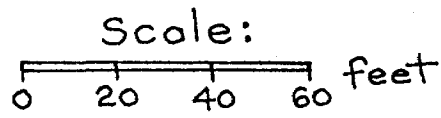
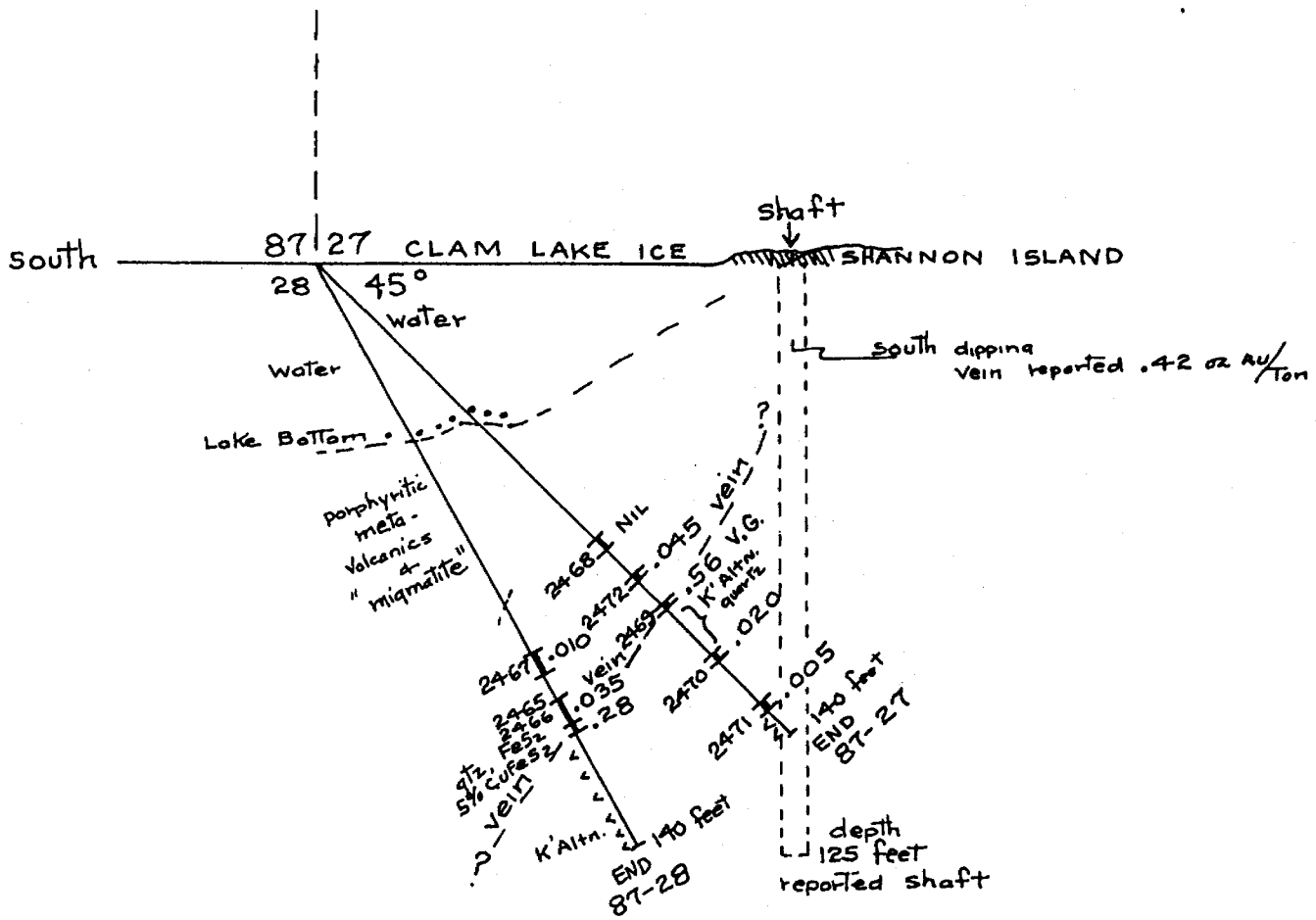


MAP NO 29

Vertical Section 4
Looking North West "F" Zone

CHESTER MINERALS LIMITED

June 30, 1987 C.G. Cheriton

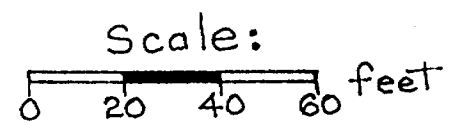
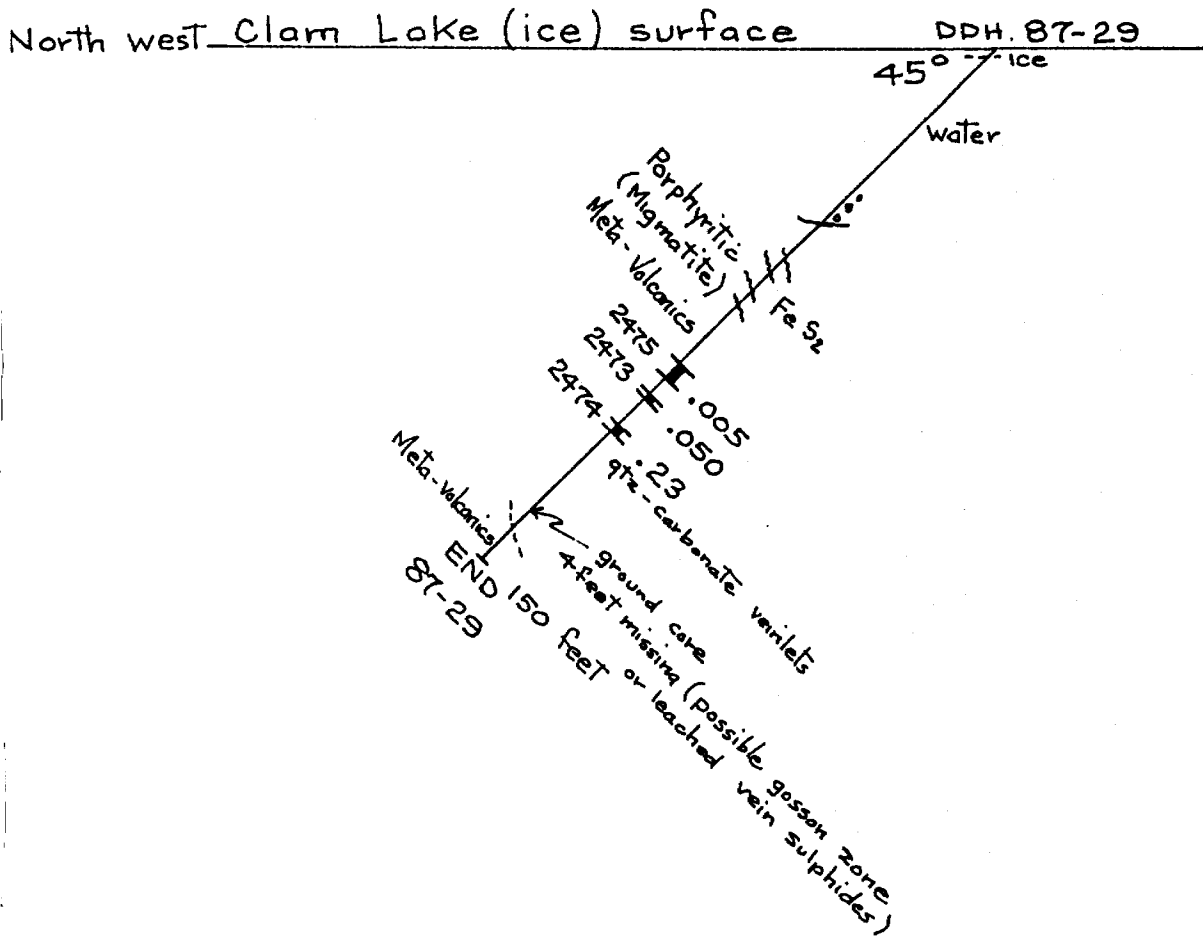


MAP No. 30

Vertical Section 5
Looking West "F" zone

CHESTER MINERALS LIMITED

June 30, 1987 C.G. Cheriton



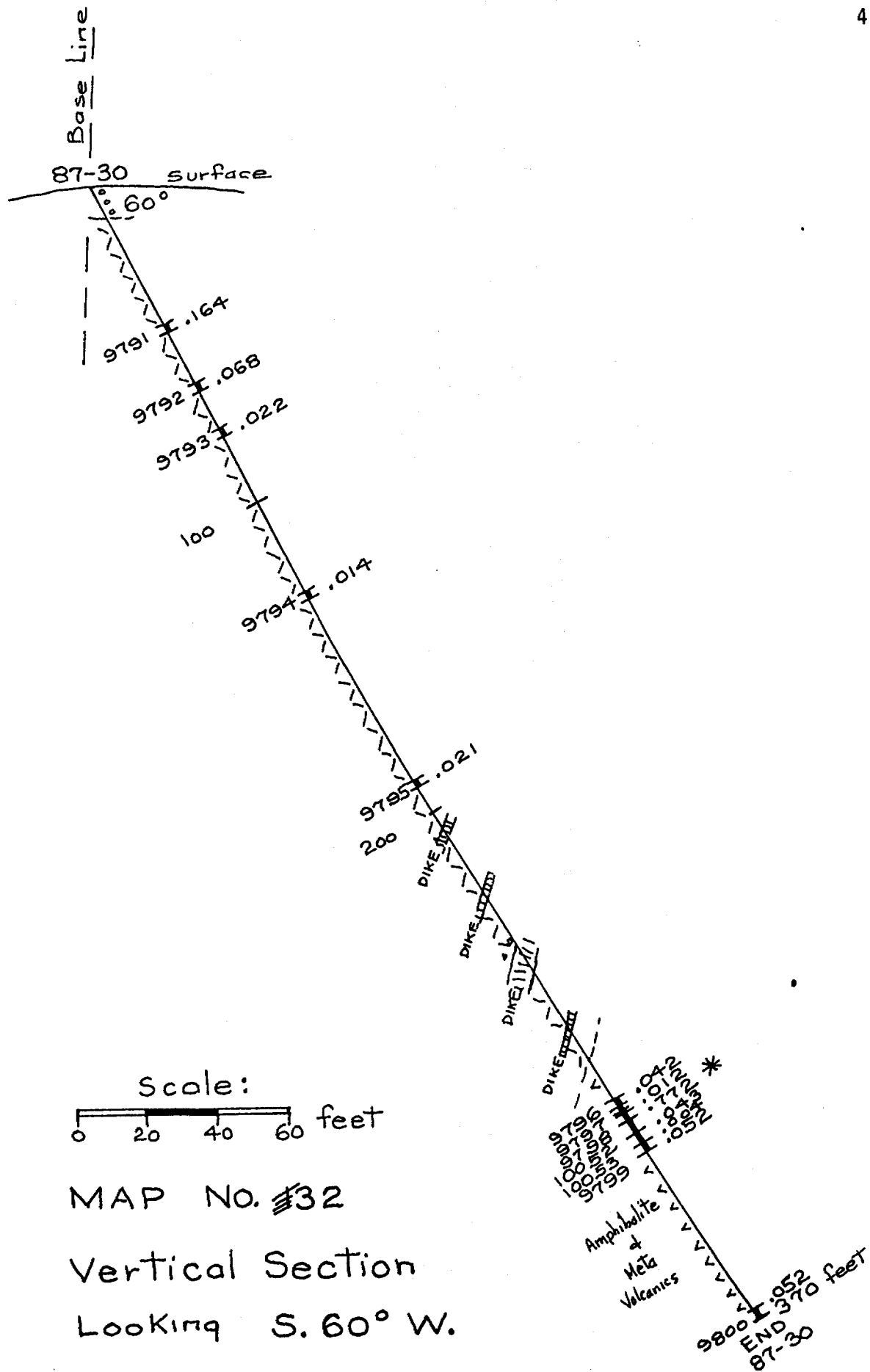
MAP NO. ~~31~~ 31-F " ZONE

Vertical Section No 6

Looking North East

CHESTER MINERALS LIMITED

June 30, 1987 C.G.Cheriton



Scale:
 0 20 40 60 feet

MAP NO. 32
 Vertical Section
 Looking S. 60° W.

YOUNG - SHANNON GOLD MINES, LIMITED

June 16, 1987 C.G.Cherton

VI CERTIFICATION

I, C.G. Cheriton, do hereby certify that:

1. I am a Mining Geologist normally resident at 107 - 682 Northcliffe Blvd., Toronto, Ontario.
2. I graduated from the University of Saskatchewan B.Sc., 1947, University of British Columbia M.Sc., 1949 and I hold a Ph.D. from Harvard specializing in Economic Geology.
3. I am a registered professional Engineer of the Province of Ontario.
4. I have been practicing my geological profession for the past 40 years.
5. My report on the YOUNG-SHANNON GOLD PARTNERSHIP (1986) project is based on personal supervision of the diamond drilling during January and February of 1987 and a review of the geological data Toronto office of the Ontario Department of Mines.
6. I have no personal interest either directly or indirectly in YOUNG-SHANNON GOLD PARTNERSHIP (1986) or CHESTER MINERALS INC. and I have written this report as an independent geologist.

SIGNED in Toronto this 10th day of July, 1987.




C.G. Cheriton Ph.D. P.Eng.



Ministry of
Natural Resources

Diamond
Drilling
Log

BQ CORE

above Three Duck Lake level

stored at property - 18 boxes of core

Fill in on every page
Hole No. 87-1 Page No. 1

Drilling Company TRIANGLE DRILLING	Collar Elevation +16 feet	Bearing of hole from true North N. 7° W.	Total Footage 337'	Dip of Hole at Collar 44	Location of hole in relation to a fixed point on the claim. 15 feet south of old drill casing and 60 feet south of old gold pit on the east shore of Three Duck Lake "Gosselin showing"	Map Reference No. NTS 41P/12	Claim No. 20095
Date Hole Started JAN 15 / 87	Date Completed JAN 20 / 87	Date Logged JAN / 87	Logged by C.G. Cheriton	Fl.		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TWP.	
Exploration Co., Owner or Optionee Young-Shannon Gold Mines, (1986) SHIP LIMITED	Date Submitted June 16 / 87	Submitted by (Signature) <i>[Signature]</i>		Fl.		Property Name ZONE "A" YOUNG SHANNON	

Footage		Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle*	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
From	To						From	To		AU / Ton	AG PPM
0	5	CASING									
5	85	GRANODIORITE	Bluish Grey Medium Grained equigranular Recrystallized rock containing 5 to 10 percent patchy dark inclusions averaging 1/8 to 1/4 inch in diameter and some of the rock has a patchy mottled appearance. Also contains about 20% blue quartz & 30 to 40% Feldspar. Many specks of sulphide with the patchy ferro-magnesian (BIOTITE and amphibole) specks of scheelite* in rusty gossanous stain at 260 feet	60°							
			Scattered specks of sulphide & 1/4 inch massive pyrrhotite at 570 feet	45°	2435	99.0	101.5	2.5	NIL	NIL	
			Scattered specks of sulphide & 1/4 inch massive pyrrhotite at 570 feet	45°	2413	101.5	102.5	1.0	.54	3.6	
			Scattered specks of sulphide & 1/4 inch massive pyrrhotite at 570 feet	45°	2436	102.5	107.0	4.5	NIL	NIL	
85	143	QUARTZ-SERICITE Schist "Meta-TUFFS"	Yellowish grey medium grained schist & GNEISS with abundant sericite & 10% irregular glassy quartz veins and pyrite seams 50 QUARTZ vein 115-117 the rock is a silicified Quartz Sericite Schist (GNEISS)	50°	2414	113.0	116.0	3.0	.002	NIL	
143	220	GRANODIORITE	AS ABOVE - SOME PYRITE SEAMS, narrow pyrrhotite seam at 189 narrow band of GNEISS TUFF & blue eyed quartz at 200-201 specks of scheelite at 178 feet	30°	2415	277.0	280.0	3.0	.030	2.0	
220	249	Meta-Rhyolite	GREY, CREAM COLOURED dense fine grained with some quartz veins and patch of pyrrhotite at 220 feet		2416	293.0	297.0	4.0	.010	0.6	
249	259	Meta-Andesite	DARK GREEN fine grained with some narrow pyrite seams and quartz veins 1/8 to 1/4 inch thick		2431	302.0	307.0	5.0	.005	0.7	
					2432	307.0	312.0	5.0	.11	1.3	
					2433	312.0	315.0	3.0	.01	0.4	
259	325	Meta-Rhyolite + META TUFFS	AS ABOVE - some dark grey more massive Meta-Tuffs with numerous quartz - pyrite seams - *NOTE VISIBLE GOLD *V.G. in pyrite at 316 feet - see sample at office *		2417	315.0	317.0	2.0	3.71	36.3	*V.G.
					2434	317.0	323.0	6.0	.005	0.5	@ 316'
325	337	GRANODIORITE	AS ABOVE - some banding at 40 degrees to CORE AXIS	40°							
	337	END	NOTE - Hole drilled slightly down-dip - schistosity & original layering dipping north - holes should be drilled from the north side of trenches etc.								

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulation



Ministry of
Natural Resources

Diamond
Drilling
Log

BQ CORE

above Three Duck Lake level

27 boxes of "tagged-core" stored at property

Fill in on every page

Hole No. 87-2 Page No. 1

Drilling Company TRIANGLE DRILLING COMPANY	Collar Elevation +16 feet	Bearing of hole from true North N. 7° W.	Total Footage 509 feet	Dip of Hole at Collar 62	Location of hole in relation to a fixed point on the claim. 60 feet south of gold pit, adjacent to D.D.H 87-2	Map Reference No. NTS 41 P/12	Claim No. 20095
Date Hole Started JANUARY 1/87	Date Completed JANUARY 24/87	Date Logged JAN 187	Logged by C.G. CHERITON	Fl. 60		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP GOSSELIN SHOWING "A" ZONE	Property Name YOUNG-SHANNON GOLD MINES LTD
Exploration Co., Owner or Optionee YOUNG-SHANNON GOLD MINES, LIMITED	Date Submitted JUNE 16/87	Submitted by (Signature) <i>C.G. Cherton</i>	Fl. 58				
GOLD PARTNERSHIP (1986)			Fl.				

Footage From To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
						From	To		AU	AG
0 4.0	CASING									
4.0 193	GRANODIORITE	BLuish GREY, MEDIUM GRAINED, MOTTLED cut by irregular quartz veins & few seams of pyrite - some banding and quartz veins (silicification) pyrite FeS ₂ & chalcocopyrite at 192 feet	30 to 40°		10337	183.3	185.0	1.7	.045	.019
					10338	191.4	193.5	2.1	.011	
					10339	193.5	197.8	4.3	.004	
					10340	206.2	211.7	5.5	.010	
193 310	Quartz-Sericite GNEISS - META-RHYOLITE META-TUFFS	YELLOWISH GREY & CREAM COLOURED, MEDIUM GRAINED QTZ SERICITE SCHIST & GNEISS with banding at 30 to 40 degrees to CORE AXIS cut by numerous quartz veins and sulphide seams (FeS ₂) / Vary from 10 to 20 per cent qtz veins & seams and up to 5% FeS ₂ . Chalcocopyrite occurs 249 to 259. ONE INCH vein of quartz & pyrrhotite at 305 feet	30 to 40°		10341	225.1	229.6	4.5	.016	
					2410	244	249	5.0	.005	.3
					2411	249	254	5.0	.160	1.5
					2412	254	259	5.0	.025	.8
310 322	META-ANDESITE	DARK GREEN FINE GRAINED SCHIST - drag folded slices at contact	30 to 40°		10320	274.8	279.0	4.2	.011	
					10321	288.3	291.5	3.2	.017	.029
322 392	META-RHYOLITE	AS ABOVE, GREY FINE GRAINED with LESS SULPHIDES - numerous pyrite seams at 372 & 380 feet	40°		10322	295.8	299.1	4.1	.011	
392 459	Pitted Speckled MYLONITIC PORPHYRY -	UNUSUAL MEDIUM to COARSE GRAINED DARK GREY speckled locally porous (leached) IGNEOUS Rock with 5-20% porous cavities possibly from leaching of carbonates. OR. Sulphides. CONTAINS 1-5% sulphides including pyrite & chalcocopyrite - NOTE .01 gold in 2428 assay) FROM BINOCULAR MICROSCOPE - rocks look mylonitized. DARK GREEN SCHIST lens at 405 to 406 feet. SOME INCLUSIONS at 417 feet and 454 feet.	30°		10323	304.0	206.7	2.7	.029	
					10324	309.0	311.5	2.5	.008	
					10055	334	339.0	5.0	.004	
					10056	339.0	344.0	5.0	.025	
459 477	GRANODIORITE	AS ABOVE.			10057	379.0	382.0	3.0	.012	
477 490	MYLONITIC Porphyry	AS ABOVE, pitted speckled Porphyry with indistinct contacts could be a Meta-Tuff			2428	392.0	395	3.0	.010	.2
490 509	GRANODIORITE	AS ABOVE.								
509	END.									

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Ministry of
Natural
Resources

Diamond
Drilling
Log

wireline drilling -
B. Q core

Fill in on
every page

Hole No.
87-3

Page No.
1

Drilling Company TRIANGLE DRILLING COMPANY.	Collar Elevation +20 feet	Spacing of hole from true North S. 15° W.	Total Footage 209 feet	Dip of Hole at Collar 44 3/4	Location of hole in relation to a fixed point on the claim. 120 feet north-east of old gold pit on the Gosselin showing	Map Reference No. NTS 41 P/12	Claim No. 20095		
Date Started JANUARY 15/87	Date Completed JANUARY 17/87	Date Logged Feb/87	Logged by C.G. CHERITON	Pl.		Location (Twp., Lot, Con. or Lat. and Long.) 47° 33' N CHESTER TWP "B1° 55' W Gosselin Showing A zone	Property Name YOUNG - SHANNON.		
Operation Co., Owner or Optionee KG-SHANNON GOLD MINES, LIMITED GOLD PARTNERSHIP (1986)		Date Submitted June 16/87	Submitted by (Signature) <i>C.G. Cherton</i>	Pl.					
				Pl.					
Footage m To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Features Angle*	Core Specimen Footage †	Your Sample No.	Sample Footage From To	Sample Length feet	Assays † Au oz/tm Ag oz/tm	
2	4	CASING.						except	
	83	GRANODIORITE	GREY, FINE TO MEDIUM GRAINED EQUI GRANULAR. Rock containing about 15% dark minerals speckled through mostly light feldspar and quartz		2405	84.0 85.0	1.0	NIL 0.3	
					2406	85 87.0	2.0	.015 .3	
					2407	87 89.0	3.0	NIL NIL	
	3	209	QUARTZ	GREY, + yellowish fine to medium grained rock mostly dense and banded quartz sericite gneiss also granular bands which may be meta tufts	60 to 70	2408	100.0 104.0	4.0	.075 0.2
			SERICITE GNEISS	Also bands of disseminated sulphides (some chalcopyrite)		2409	104.0 109.0	5.0	.010 0.5
			MAINLY META RHYOLITE + META-TUFFS	Quartz veins with sericitic alteration 84-85 -	70	10036	116.3 119.0	2.7	.028 .069
				Seams of quartz + fine grained pyrite 159-169 feet	70	10037	125.7 129.0	3.3	.098 .287
				Some of the rock is a metamorphosed rhyolite and some of the rock appears to be granitized?		10038	139.9 142.8	2.9	.038 .141
						10039	149.3 151.5	2.2	.076 .218
						10040	153.4 155.8	2.4	.025 .066
	209	END.				10041	188.4 191.6	3.2	.024 .064
						10042	203.0 206.0	3.0	.010 .395
						10043	206.0 209.0	3.0	.006 .495

783 (71)

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Ministry of
Natural
Resources

Diamond
Drilling
Log

Fill in on every page
Hole No. **87-4** Page No. **1**

20 feet above THREE DUCK LAKE LEVEL 12 tagged core boxes at property -

Drilling Company TRIANGLE RILLING COMPANY	Collar Elevation 20 feet	Bearing of hole from true North S. 15° W.	Total Footage 219 feet	Dip of Hole at Collar 60	Location of hole in relation to a fixed point on the claim. 120 feet north-east of old gold pit on the Gosselin showing same site as 87-3	Map Reference No. NTS 41 P/2	Claim No. 20095
Date Hole Started JANUARY 18/7	Date Completed JANUARY 20/87	Date Logged Feb /87	Logged by C. G. CHERITON	FL		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TWP. 47° 33' N. " 81" 55' W. Gosselin Showing A ZONE.	
Exploration Co., Owner YOUNG-SHANNON GOLD MINES, LIMITED	Options	Date Submitted JUNE 16/87	Submitted by (Signature) <i>C. G. Cheriton</i>	FL		Property Name YOUNG-SHANNON GOLD MINES LTD	
GOLD PARTNERSHIP (1986)				FL			
				FL			

Footage From	Footage To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Gold Assays †	
							From	To		feet	feet
0	5	CASING									
5	99	DIABASE	LIGHT GREY, FINE TO MEDIUM GRAINED ROCK MOSTLY MASSIVE with large quartz crystals + Feldspar and hardly 10 to spotty ferro mag minerals (amphibole and BIOTITE patches (possibly TRONDJEMITE)								
						9886	99.0	102.6	3.6	.009	.020
						9887	102.6	106.8	4.2	.028	.092
						9888	106.8	108.8	2.0	.039	.080
99	158	DIABASE	LIGHT GREY + CREAMY YELLOWISH QUARTZ SERICITE GNEISS with layers and seams of irregular quartz veins								
						9885	108.8	110.5	1.7	.008	.083
						9889	110.5	115.0	4.5	.009	.026
						9890	115.0	119.0	4.0	.016	.048
						9891	119.0	123.2	4.2	.016	.062
						9892	123.2	127.2	4.0	.025	.061
						9893	127.2	130.0	2.8	.037	.133
158	219	DIABASE	As above - BLuish GREY and mostly coarser grained. Thin large patch of chalcopyrite at 184, Also quartz with pyrrhotite at 206 feet. There are several seams of pyrite at 173 feet								
						9881	130.0	132.0	2.0	.011	.117
						9882	132.0	134.4	2.4	.019	.073
						9883	134.4	136.8	2.4	.022	.051
						9884	143.2	146.7	3.5	.013	.378
219		END									

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Ministry
Natural
Resources

Diamond
Drilling
Log

BQ wireline drilling - BQ CORE.

32 tagged core boxes at the property every page

Fill in on Hole No. 87-5 Page No. 1

Drilling Company TRIANGLE DRILLING.		Collar Elevation Camp site	Bearing of hole from true North N. 30° W.	Total Footage 600 feet	Dip of Hole at Collar 45	Location of hole in relation to a fixed point on the claim. 400 feet south east of the 60° INCLINED shaft near the old powder house site.	Map Reference No. NTS 41 P/2	Claim No. 19971			
Date Hole Started JANUARY 2 /87	Date Completed JAN 24/87 "RoN"	Date Logged Feb/87	Logged by C. G. Cheriton	PL 44	PL 43		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TWP Lat. 47° 33' N Long - 81° 55' W Main Vein at shaft - "C" ZONE	Property Name YOUNG-SHANNON GOLD MINES, LIMITED			
Exploration Co., Owner YOUNG-SHANNON GOLD MINES PARTNERSHIP (1986)	Date Submitted JUNE 16/87	Submitted by (Signature) <i>C. G. Cheriton</i>		PL	PL						
Options	None										
Footage From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage From	To	Sample Length	AU	Assays †
0	8	CASING								02/12N	AG
8	295	GRANODIORITE	GRAYISH BLUE MEDIUM GRAINED - FAIRLY HOMOGENEOUS TO MOTTLED & PATCHY SECTIONS UP TO 100 FEET. SOME LAYERING and BANDING at 200 feet.	0		10260	27.0	30.5	3.5	.017	
			TUNGSTEN (W) narrow veinlet of Scheelite at 30 feet and numerous silicified zones at 100 to 120 feet	30°		10261	30.5	34.7	4.2	.009	
			CAVED and Broken ground at 242-247 - CEMENTED GNEISSIC BANDING & SILICA FLOODING at 208-217 and rocks resemble META-RHYOLITE.	60		10262	34.7	38.3	3.6	.007	
			SCHIST &			10259	77.0	80.7	3.7	.111	.032
			CAVED and Broken ground at 242-247 - CEMENTED GNEISSIC BANDING & SILICA FLOODING at 208-217 and rocks resemble META-RHYOLITE.	60		10257	84.3	87.0	2.7	.021	
						10258	98.0	102.0	4.0	.022	
295	430	META-GREENSTONE	BROWNISH BIOTITE GNEISS & AMPHIBOLITE			10255	114.8	118.6	3.8	.006	
		AMPHIBOLITE	MEDIUM TO COARSE GRAINED CUT BY IRREGULAR QUARTZ CARBONATE VEINLETS.			10256	118.6	120.9	2.3	.011	
		ETA-SEDIMENTARY	SCATTERED sulphides at 349 feet								
		SCHIST &	MAIN VEIN at 365-375			10342	218.8	222.6	3.8	.006	
		GNEISS	ABUNDANT DRAGGING & SHEARING at 379-386 feet	30°		10254	287.0	289.4	2.4	.002	
436	550	DIORITE	DARK BANDED MEDIUM TO COARSE GRAINED								
		META-VOLCANICS	BANDED GNEISS AND LOCALLY COARSE GRAINED IGNEOUS TEXTURE	70°		10253	348.1	350.7	2.6	.002	
						10252	365.6	368.5	2.9	.009	
550	600	GRANITE TO	PINK FINE TO MEDIUM GRAINED GRANITIC ROCKS			10343	368.7	371.7	3.0	.025	
		GRANODIORITE	TO GREY STREAKY MOTTLED GRANODIORITE. Few seams of pyrite & pyrrhotite at 582 feet			10344	371.7	374.7	3.0	.021	
						10251	577.5	579.6	2.1	.006	
600		END.									



Ministry of
Natural
Resources

Diamond
Drilling
Log

BE wire line - drilling B.Q. core ABOVE THREE DUCK LAKE LEVEL 12 Tagged core boxes at the property

Fill in on
every page

Hole No. 87-6 Page No. 1

Drilling Company TRIPLE DRILLING CO.		Collar Elevation 15 feet	Bearing of hole from true North S. 15° W.	Total Footage 229 feet	Dip of Hole at Collar 45°	Location of hole in relation to a fixed point on the claim. 75 feet S. 75° E. of D.D.H. 87-4		Map Reference No. NTS 41 P/12	Claim No. 20095		
Date Hole Started JANUARY 2 /87	Date Completed JANUARY 26/87	Date Logged Feb/87	Logged by C.G. CHERITON		PL						
Exploration Co., Owner YOUNG SHANNON GOLD PARTNERSHIP (1986)		Date Submitted JUNE 16 1987	Submitted by (Signature) <i>C.G. Cherton</i>		PL	Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx. 47° 33' N. 81° 55' W. GOSSALIN SHOWING A ZONE Property Name YOUNG-SHANNON Gold Mines, Limited					
Footage		Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
From	To						From	To		Feet	Feet
0	9	CASING									
9	83	BRANDIORITE	MAINLY FINE TO MEDIUM GRAINED BLuish GREY IGNEOUS ROCK with speckled (salt & pepper) Ferric Mag minerals (up to 20% greenish and dark amphiboles with scattered specks of sulphides mostly around Fe-Mag minerals)			10334	42.3	46.0	3.7	.031	
			Approximately 30% quartz phenocrysts or striae (many with peculiar blue tinge and balance at Rock is grey feldspar - Albite? and locally ORTHO CLASE - locally rock could be TRONDHEMITE)	60		10335	86.1	89.0	2.9	.047	.017
			SOME FAINT LOCAL BANDING - MOSTLY MASSIVE.			10336	92.6	96.5	3.9	.024	
						10329	123.7	127.2	3.5	.004	
83	162	META-RHYOLITE	GREY & YELLOWISH GREY QUARTZ AMPHIBOLITE GNEISS			10330	134.6	137.9	3.3	.003	
		QUARTZ -	containing seams of pyrite + extensive silicification	60		10331	150.6	151.8	1.2	.020	
		WARTZ SCHIST & GNEISS	(META-RHYOLITE?) ALSO some banding like ORIGINAL META-TUFFS			10332	172.0	175.0	3.0	.018	
162	199	BRANDIORITE	GREYISH BRANDIORITE AS ABOVE			10333	204.2	207.3	3.1	.003	
199	229	META-RHYOLITE	AS ABOVE with distinctive Yellowish GREY BAND	70°							
		QUARTZ -	203-208 feet - FINE grained yellow meta-Rhyolite								
		SERICITE GNEISS	with PYRITE (FeS ₂) in seams, specks and patches with specks of SCHEELITE - low gold -								
			DISSEMINATED SCHEELITE at 214 feet & 226 feet and bands of Qtz Sericite Schist with pyrite -	60°							
			HOLE SHOULD have gone deeper - fill .								
229		END OF HOLE									

783 (82/1)

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Ministry
Natural
Resource

Diamond
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BQ ORE - WIRE LINE DRILLING.

ABOVE THREE DUCK LAKE LEVEL - 17 Tagged core boxes at the property

Fill in on
every page

Hole No. 87-7 Page No. 1

Drilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.
TRIANGLE DRILLING Co.		15 feet	S. 15° W.	329 feet	60	ADJACENT TO DDH - 87 - 6	NTS 41 P/12	20095
Date Hole Started	Date Completed	Date Logged	Logged by					
JANUARY 21/87	JANUARY 28/87	Feb/87	C. G. CHERITON					
Exploration Co., Owner		Date Submitted	Submitted by (Signature)					
YOUNG - SHANNON GOLD PARTNERSHIP (1986)		JUNE 16 1987	<i>C. G. Cherton</i>					
Optionee								
YOUNG - SHANNON GOLD MINES LIMITED								

Footage From	Footage To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Placer Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
							From	To		AU	AG
							Feet	Feet	oz/ton		
0	7	SLANG									
7	92	GRANODIORITE	GREY & GREYISH BLUE, FINE-GRAINED to Medium GRAINED with some GNEISSIC BANDING at 66.0 feet →	40°							
			MEDIUM GRAINED and 20% Fe-Mag minerals - light colour - and altered greenish amphibole seams of pyrite at 9 feet & quartz with pyrite at 66.0								
92	160	QUARTZ - SERICITE	Mostly FINE GRAINED LIGHT GREY & YELLOWISH GREY silicified & patchy altered SERICITE SCHIST			10325	98.8	103.0	4.2	.045	.024
		QUARTZ + GNEISS	CONTAINING QUARTZ SEAMS & VEINLETS			10326	146.0	149.0	3.0	.001	.001
		ETA-RHYOLITE	with PYRITE and some large BLUE QUARTZ EYES	60							
		ETA-TUFFS	with the sulphides. Also GNEISSIC banding			10327	223.0	225.5	2.5	.006	
160	220	GRANODIORITE	AS ABOVE with 30-40% Fe Mag minerals mainly dark amphiboles -			10328	225.5	228.0	2.5	.354	.009
						10060	228.0	231.0	3.0	.003	
220	234	QUARTZ SERICITE SCHIST	AS ABOVE with pyrite & sericite seams and CARBONATE minerals at 225-228 & 2-5% FeS ₂	60		10328	PE RUN SWASTIKA LAB		1.062		
		ETA-RHYOLITE	also rocks are sheared & drag folded	70°							
234	329	GRANODIORITE	AS ABOVE BUT MEDIUM TO COARSE GRAINED. FAIRLY MASSIVE with some white QUARTZ VEINS at 30.9 feet and 328 feet - NO significant amount of sulphides.								
		329	END OF HOLE								



Ministry of
Natural
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Diamond
Drilling
Log

BQ CORE - WIRE LINE DRILLING -

36 samples taken -
31 Tagged CORE Boxes at the property

Fill in on
every page

Hole No. 87-8
Page No. 1

Drilling Company TRIANBLE DRILLING CO.	Collar Elevation Campsite	Bearing of hole from true North N. 30° W.	Total Footage 601 feet	Dip of Hole at Collar 45°	Location of hole in relation to a fixed point on the claim. 100 feet south east of O.D.H. 87-5	Map Reference No. NTS 41 P/12	Claim No. 19971
Date Hole Started JANUARY 25 '87	Date Completed JANUARY 28/87	Date Logged Feb/87	Logged by C.G. CHERITON	FL 43	See Map No. 12 Young Shannon Report June 16/87	Location (Twp., Lot, Con. or Lat. and Long.) approx. CHESTER TWP. approx. LAT: 47° 33' N Long. 81° 55' W. Main Vein at shaft "C" ZONE.	
Exploration Co., Owner Young-Shannon Gold Mines Limited	Optionee	Date Submitted June 16/87	Submitted by (Signature) <i>C. Cheriton</i>	FL 41		Property Name YOUNG-SHANNON Gold Mine, LIMITED	

Footage From To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	AU Assays †	
						From	To		OZ/TON	AG.
0 11	CASING									
11 61	BANDIORITE	LIGHT GREY, MEDIUM TO COARSE GRAINED - Patchy & speckled with 20% chlorite (altered BIOTITE) and specks of pyrite scattered through rock which composes mostly Feldspar and 20% Quartz.			10007	112.2	115.6	3.4	.006	
					10008	133.0	134.4	1.4	.011	
					10009	170.8	173.9	3.1	.009	
					10010	173.9	177.0	3.1	.044	
					10011	203.0	205.7	2.7	.008	
61 66	BANDIORITE	DARK GREEN FINE GRAINED LAYERED SCHIST cut by white irregular carbonate seams & veins 1/4 to 1/2 inch Pyrite seams 1/8" roughly parallel to schistosity extending into the bandiorite at 66 feet	45°		10012	213.6	215.7	2.1	.034	
					10013	227.0	229.1	2.1	.022	
					10014	229.1	233.9	4.8	.032	
					10015	291.2	295.6	4.4	.005	
					10016	357.3	360.2	2.9	TR.	
66 300	BANDIORITE	As ABOVE BUT GREY TO DARK GREY FINE GRAINED			9894	394.0	397.0	3.0	.050	.035
					2421	397.0	400.0	3.0	.02	
					9895	400.0	402.5	2.5	.008	.041
300 572	QUARTZ BIOTITE & SCHIST	MAINLY GREY BROWN BIOTITE SCHIST probably a META-SEDIMENTARY ROCK same sections are coarse grained BIOTITE and other sections of AMPHIBOLITE GNEISS also ACTINOLITE SCHIST			9896	402.5	405.0	2.5	.017	.076
	AMPHIBOLITE.				2422	405.0	407.0	2.0	1.88	410. *
	GNEISS				2423	407.0	412.0	5.0	3.30	V.G. *
		NOTE: visible gold in blebs with quartz & carbonate veins at 410 feet			9897	412.0	416.1	4.1	.034	.049
		MAIN VEIN section at 405 - 412 feet with py & sp.			9898	416.1	417.9	1.8	.214	1.209
					9899	417.9	420.9	3.0	.043	.119
					9900	420.9	423.5	2.6	.017	TR.
572 601	BANDIORITE	As ABOVE grey mottled FINE GRAINED FRACTURED with streaky recrystallized biotite & Fe/Mag seams and silicified matrix pyrite at 575 - 580 feet and blue quartz eyes (MOLYBDENITE INCLUSIONS?)	45°		10001	423.5	426.0	2.5	.085	.083
					2424	426.0	431.0	5.0	.46	
					10002	431.0	434.5	3.5	.015	
					10003	434.5	437.0	2.5	.024	
					10004	443.0	447.8	4.8	1.02	
601	END OF HOLE				10005	447.8	449.9	2.1	.079	
					10006	459.9	461.8	1.9	.066	
					10017	480.2	481.8	1.6	1.5	
					10018	481.8	484.9	3.1	.018	
					10019	484.9	487.0	2.1	.040	
					10020	515.5	517.0	1.5	.016	
					10021	517.0	519.4	2.4	.003	
					10022	519.4	521.8	2.4	TR.	

783 (82/1)

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



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B. Q. Core WIRE LINE DRILLING

- 18 Tagged core boxes at the property.

Fill in on
every page

Hole No. 87-9 Page No. 1

Drilling Company TRIANGLE DRILLING CO.	Collar Elevation CAMP SITE	Bearing of hole from true North S. 30° W.	Total Footage 350 feet	Dip of Hole at Collar 45	Location of hole in relation to a fixed point on the claim. 50 feet north west of DDH 87-8 See map No. 12 Young Shannon Report JUNE 16/87	Map Reference No. NTS 41 P/12	Claim No. 19971
Date Hole Started JANUARY 2 /87	Date Completed JANUARY 29/87	Date Logged FEB/87	Logged by C. G. CHERITON	FL		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP, LAT. 47° 33' N. Long 81° 55' W. Drilled S.W. from - "C" ZONE.	Property Name YOUNG-Shannon Gold Mines Limited
Exploration Co., Owner or Optionee YOUNG - SHANNON GOLD MINES	Date Submitted JUNE 16 1987	Submitted by (Signature) <i>C. G. Cherton</i>	FL				
NON Gold Mines, Limited PARTNERSHIP (1986)				FL			
				FL			

Footage		Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
From	To						From	To		AU	AG
0	14	CASING.								02/TAN	P.P.M.
14	256	GRANODIORITE	GRAY, MEDIUM TO COARSE GRAINED ROCK WITH Patches of mag. minerals (altered) comprising 20 per cent of rock often with specks of sulphides. Balance is recrystallized Quartz & Feldspar 6" Qtz - pyrite chalcopyrite 50% vein at 70 feet	80°	2425	70.5	71.0	.5	.22		
			101-104 - DARK GREEN SCHIST BAND (dike or large inclusion)	70°							
			112-115 - As ABOVE								
			6" Quartz vein (irregular & glassy) contains 10% pyrite & chalcopyrite 119 feet	45°	2426	118.5	119.0	.5	.11		
			3" Qtz vein irregular with Patches chalcopyrite & Pyrite at 129	60°							
			FROM 130 to 180 - COARSE GRAINED Light Grey GRANODIORITE with 5-10% ghost remnant INCLUSIONS								
			1 foot of irregular Quartz Vein in Chlorite Schist with 10% pyrite & Chalco at 166 feet	60°	2427	165.5	166.0	.5	.03		
256	350	MAINLY META-VOLCANIC GNEISS	DARK GREEN AMPHIBOLITE GNEISS AND MIXED GREEN SCHIST CUT BY PINKISH GRANODIORITE SILLS OR DIKES 2 inches of Quartz, pyrite & specks of ZNS at 257	65°							
			PINKISH GRANITIC IGNEOUS BRECCIA at 345 feet	60°							
350		END OF HOLE.									



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B.O. CORE WIRE-LINE DRILLING / THREE DUCK LAKE AT SHORE LINE - 15 Logged CORE BOXES at Property

Fill in on every page

Hole No. 87-10 Page No. 1

Drilling Company TRIANGLE DRILLING COMPANY	Collar Elevation Lake Level	Bearing of hole from True North S. 15° W	Total Footage 319 feet	Dip of Hole at Collar 45	Location of hole in relation to a fixed point on the claim. approximately 180 feet south of DDH 87-3 on SHORE LINE OF Three Duck Lake	Map Reference No. NTS 41 P/2	Claim No. 20095
Date Hole Started JANUARY 29 87	Date Completed JANUARY 30/87	Date Logged Feb /87	Logged by C. G. Cheriton	PL	Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx 47° 33' N. 81° 55' W GOSSELIN SHOWING "A" ZONE.	Property Name YOUNG-SHANNON GOLD MINES, LIMITED	
Exploration Co., Owner YOUNG-S GOLD PARTNERSHIP (1986)	Options ANNON	Date Submitted JUNE 16 1987	Submitted by (Signature) <i>[Signature]</i>	PL			
				PL			
				PL			

Footage From	Footage To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planer Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
							From	To		Ag	AS
0	46	CASING	NOTE: DRILLED FROM THE ICE ON LAKE SHORE IN THE SAME SECTION AS 87-3 & 4								
46	87	RANODIORITE	BLuish GREY, MEDIUM GRAINED, EQUIGRANULAR ROCK CUT BY some irregular white QUARTZ veins at 76-79' with very little sulphides	40°		10049	76.0	79.0	3.0	.004	TR
87	116	DIAPHYRY DIKE	DARK GREENISH GREY DISCORDANT FELDSPAR PORPHYRY DIKE containing INCLUSIONS CUTS THROUGH GRANODIORITE with slices of META GREENSTONE at 90° to G.A. Possible large fault at 89 feet.	30°							
116	128	RANODIORITE	AS ABOVE								
123	159	META-Rhyolite + META-TUFFS	Yellowish GREY QUARTZ SERICITE GNEISS with Quartz seams & pyrite 129-131 (1-2% FeS)	60° 70°		10050	129	131	2.0	.094	TR
159	264	RANODIORITE	AS ABOVE.			10051	210	212	2.0	.006	TR
264	299	META-Rhyolite + META-TUFFS	AS ABOVE with some disseminated pyrite zones.			2429	265	268	3.0	.015	1.5
299	319	RANODIORITE	As Above.			2430	269	272	3.0	.002	.2
	319	END OF HOLE									

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



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B.Q. CORE WIRE LINE DRILLING -

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Hole No.
87-11

Page No.
1

Drilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.	
TRIANGLE DRILLING COMPANY		Camp site	N. 30° W.	300 feet	45°		300 feet south of Vein outcrop and 300 feet N.E. of 87-30	N.T.S. 41 P/12	19971
Hole Started	Date Completed	Date Logged	Logged by	Fl.				Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx. 47°33' N 81°55' W. MAIN VEIN "C" ZONE	Property Name YOUNG-SHANNON GOLD MINES, Limited
February 3/87	February 4/87	Feb/87	C.G. CHERITON	Fl.					
Exploration Co., Owner or Optionee YOUNG-SHANNON GOLD PARTNERSHIP (1986)		Date Submitted	Submitted by (Signature)	Fl.					
		JUNE 16 1987	<i>C.G. Cherton</i>						

Footage		Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle*	Core Specimen Footage†	Your Sample No.	Sample Footage		Sample Length	AU	Assays †
From	To						From	To			
0	22	CASING								02/180	AG
22	181	GRANODIORITE	LIGHT BLUE GREY and Also PINKISH MEDIUM TO COARSE GRAINED ROCKS WITH PATCHY < 15 per cent Fe Mag Minerals and 5 to 10 percent rounded and digested black inclusions. Some gneissic banding from 102 to 180 feet COARSE grained GRANODIORITE (possibly TRONDHEMITE) at 117 to 160 feet with large Quartz-Feldspar porphyroblasts 1/4 to 1/2 inch. Note: 57-77 feet possible remnants of Meta TUFFS and Meta Rhyolites (partially digested) with numerous quartz veins and disseminated pyrite & chalcopyrite and a GNEISSIC BANDING	60°							
						10278	57.9	61.0	3.1	.082	TR
						10279	65.6	70.2	4.6	.008	
						10280	72.2	75.3	3.1	.010	
31	300	META-VOLCANICS + META-SEDIMENTARY ROCKS	DARK GREEN + BROWNISH GREEN SCHIST + GNEISS There are some sections of COARSE GRAINED QUARTZ - AMPHIBOLITE GNEISS with shaly sections of GREEN CHLORITE SCHIST.			10281	77.7	79.2	1.5	.005	
		QUARTZ AMPHIBOLITE SCHIST + GNEISS Also ACTINOLITE SCHIST	MAIN VEIN - 270-280 with disseminated pyrite, pyrrhotite, and minor chalcopyrite. Also chalcopyrite in quartz vein in Actinolite GNEISS at 221 feet Bands of ACTINOLITE SCHIST at 267-270 feet.	70°		10282	96.5	97.0	0.5	.013	
						10271	171.0	173.7	2.7	.008	
						10272	203.8	207.0	3.2	.052	TR.
						10273	219.2	221.7	2.5	.089	.025
			Dark green Chlorite Schist bands at 227-229 & 245-246. BROWNISH (BIOTITE (phlogopite) Meta Sedimentary Schist 252-280 feet			10274	267.0	270.4	3.4	.005	
						75	270.4	273.0	2.6	.014	
						76	273.0	275.3	2.3	.009	
						10277	275.3	278.0	2.7	.012	
	300	END of HOLE									



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B. Q CORE WIRE LINE DRILLING ^{Approx. ABOVE 300CK Lake level. 11 boxes tagged & stored on property (old Garage)}

Fill in on every page

Hole No. 87-12 Page No. 1

Drilling Company TRIGLE DRILLING COMPANY	Collar Elevation 20	Beginning of hole from true North S. 20° W.	Total Footage 209 feet	Dip of Hole at Collar 45°	Location of hole in relation to a fixed point on the claim. 100 feet north of the west end of Ed's trench - narrow opening on north west corner 300CK lake See Map No. 8 of report.	Map Reference No. N.T.S. 41 P/12	Claim No. 19970
Date Started JANUARY 31, 1987	Date Completed FEBRUARY 1, 1987	Date Logged FEB/87	Logged by C. G. CHERITON	FL		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx 47° 33' N 81° 55' West Ed's Trench - "B" ZONE	Property Name YOUNG-SHANNON GOLD MINES, LIMITED
Co., Owner or Optionee YOUNG SHANNON (OLD PARTNERSHIP (1986))		Date Submitted JUNE 16 1987	Submitted by (Signature) <i>C. G. Cherton</i>	FL			
				FL			

From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.		Sample Footage		Sample Length	Assays †	
						Sample No.	From	To				
0	5	CASING										
5	82	GRANODIORITE	DARK Blue Grey, FINE TO MEDIUM GRAINED FAIRLY UNIFORM TEXTURE.									
82	179	META-RHYOLITE	DARK YELLOWISH GREY, FINE TO MEDIUM GRAINED	60		9868	86.0	89.0	3.0	.005		
		META TUFFS	Siliceous - QUARTZ CHLORITE GNEISS containing large blue quartz "eyes" phenocrysts cut by fine irregular quartz veins and numerous seams of pyrite			9869	89.0	92.5	3.5	.002		
		QUARTZ SERICITE SCHIST + GNEISS	"CONTAINS local RHYOLITE BRECCIA at 124-126 feet			10025	121.7	123.4	1.7	.004	TR	
			DISSEMINATED PYRITE 86-92 feet also 109-113 feet and 138 feet. CHALCOPYRITE & PYRITE at 169-171 -			10026	133.0	135.1	2.1	.005		
			SILICIFIED TUFF HORIZONS with RHYOLITE at 154 feet	60		10027	141.0	142.6	1.6	.005	TR.	
						10028	147.5	151.4	3.9	.005	TR.	
179	209	GRANODIORITE	AS ABOVE.			10029	169.0	171.2	2.2	.005	TR.	
	209	END OF HOLE.				10030	176.4	179.0	2.6	.009	TR.	



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B.Q. wire line drilling Approx. above 3 DUCK LAKE. 12 boxes tagged and stored on property (old) Fill in on every page

Hole No. 87-13 Page No. 1

Drilling Company TRIANGLE DRILLING COMPANY	Collar Elevation 20' ±	Bearing of hole from true North S. 20° W.	Total Footage 229 feet	Dip of Hole at Collar 60	Location of hole in relation to a site fixed point on the claim, of BT-12 100 feet NORTH OF	Map Reference No. NTS 41 P/12	Claim No. 19970
Date Hole Started February 1 1987	Date Completed February 2/87	Date Logged Feb 87	Logged by C.G. CHERITON	PL	West end of Ed's Trench	Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP	
Drilling Co., Owner or Optionee YOUNG SHANNON GOLD PARTNERSHIP (1986)	Date Submitted JUNE 16 1987	Submitted by (Signature) <i>C.G. Cheriton</i>		PL	Narrow open cut at North West corner of 3 Duck Lake.	Approx. 47° 33' N 81° 55' W Ed's Trench "B" ZONE.	
				PL	See Map No 8 of report	Property Name YOUNG SHANNON GOLD MINES, LIMITED	

Footage		Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
From	To						From	To		AU	AG
0	5	CASING									
5	69	GRANODIORITE	BLuish GREY TO PINKISH GREY ROCK WITH FINE TO MEDIUM GRAINED MASSIVE TO FAINT BANDING - few scattered specks pyrite								
69	214	META RHYOLITE ↓ META TUFFS	MAINLY YELLOWISH & CREAM COLOURED RHYOLITE and TUFF with CHLORITIC SEAMS AND SCATTERED SULPHIDES (mainly pyrite) ALSO ROCKS are CUT BY IRREGULAR CALCITE SEAMS	45		10031	109.0	111.6	2.6	.005	.058
						10032	141.2	143.9	2.7	.006	.059
						10033	150.5	152.8	2.3	.007	.083
						10034	161.0	165.2	4.2	.006	.061
214	229	GRANODIORITE	AS ABOVE.			10035	175.4	179.0	3.6	.005	.032
	229	END OF HOLE				10346	194.4	197.2	2.8	.003	.004



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B Q core - wire line drilling / above THREE DUCK LAKE LEVEL -

Fill in on every page
Hole No. 87-15 Page No. 1

Drilling Company TRIANGLE DRILLING COMPANY	Collar Elevation 20' ±	Bearing of hole from true North S. 20° W.	Total Footage 209 feet	Dip of Hole at collar 60°	Location of hole in relation to a fixed point on the claim. Same location as B7-14 or 100 feet north of ED'S TRENCH ON N.W. CORNER 3 DUCK LAKE	Map Reference No. NTS 41 P/12	Claim No. 19970
Date Started Feb 4/87	Date Completed Feb 5/87	Date Logged Feb/87	Logged by C.G. CHERITON	FL		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx 47° 33' N. 81° 55' W. Ed's Trench "B" ZONE	Property Name YOUNG-SHANNON GOLD MINES LIMITED
Exploitation Co., Owner or Optionee YOUNG SHANNON (OLD PARTNERSHIP (1986))		Date Submitted JUNE 16/87	Submitted by (Signature) <i>[Signature]</i>	FL			

Footage From	Footage To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
							From	To		AU	AG
C	11	CASING								oz/Ton	
11	117	GRANODIORITE	DARK BLUE GREY FINE TO MEDIUM GRAINED MASSIVE ROCK with low content of Fe-Mag. dark MINERALS - probably TRAVERTHEMITE. HIGH QUARTZ & PLAGIOCLASE - ALBITE content -			10306	117.7	121.3	3.6	.061	.013
						10307	126.7	129.6	2.9	.033	TR.
						10308	135.9	139.0	3.1	TR.	TR.
						10309	139.0	141.6	2.6	.010	—
11	193	QUARTZ SERICITE SCHIST	DARK GREY & YELLOWISH GREY SILICIFIED SECTIONS PROBABLY META RHYOLITE & TUFFS			10310	141.6	145.1	3.5	.004	—
			BANDING OR FLOW CONTACT OR FAULT ZONE @ 186 feet at 30 to 40 degrees to C. A.	35°		2443	179.0	181.5	2.5	NIL	
			191.5 Feet BANDING with FeS ₂ patches Contact zone with Blue QUARTZ eyes	45°		2444	181.5	182.5	1.0	.010	
						2445	182.5	187.0	4.5	NIL	
						2446	191.0	192.0	1.0	.002	
19	209	GRANODIORITE	GREY BLUE MEDIUM GRAINED AS ABOVE. with a PINKISH CAST Hematite alteration on FOOT WALL side?								
	209	END OF HOLE									



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B.Q. CORE WIRE LINE DRILLING. elevation near old Mill - 15 boxes tagged & stored at property in old garage - every page

Fill in on Hole No. 87-16 Page No. 1

Drill T	Company ANGLE DRILLING COMPANY	Collar Elevation CAMP SITE	Bearing of hole from true North N. 30° W.	Total Footage 300 feet	Dip of Hole at Collar 45°	Location of hole in relation to a fixed point on the claim. 100 feet east of DDH 87-11 - near old Mill site.	Map Reference No. N.T.S. 41 P/12	Claim No. 19971
Date F	Date Started 3 1987	Date Completed Feb 5, 1987	Date Logged Feb/87	Logged by C. G. CHERITON	FL		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx 47° 33' N 81° 55' W. MAIN VEIN "C" ZONE	Property Name YOUNG-SHANNON GOLD MINES
Exp	ration Co., Owner or Options	Date Submitted JUNE 16 1987	Submitted by (Signature) <i>C. G. Cherton</i>	FL				
	YOUNG SHANNON GOLD PARTNERSHIP (1986)			FL				

F	Footage		Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
	m	To						From	To		AU	AG
1		25	CASING								oz/ton	oz/ton
2		207	GRANODIORITE	MAINLY LIGHT GREY BLUE, MEDIUM TO COARSE GRAINED PATCHY & MOTTLED FAIRLY UNIFORM IGENEUS ROCK. with <10-20% Fe-Mg minerals - SOME DARKER PHASES - ALMOST DIORITE at 164-187 SOME seams of pyrite at 45-47, 72 feet 97-99 feet, at 150 feet 166-167 feet 2-3% pyrite & 10% quartz 195-196 feet	60° 70°		10263	44.6	47.0	2.4	.007	
2		266	META GREENSTONE AMPHIBOLITE GNEISS	DARK GREEN, MEDIUM TO COARSE GRAINED AMPHIBOLITE GNEISS SOME CONTORTION & LAYERING OF ROCKS at 40 - to 60° to CORE AXIS Some diss pyrite at 225-228 & seams chalcopyrite	50°		10264	69.7	72.4	2.7	.340	.013
2		286	META-SEDIMENTARY QUARTZ-BIOTITE SCHIST & GNEISS	DARK BROWN Qtz BIOTITE SCHIST - locally almost black - containing quartz - carbonate veins and seams which roll from almost parallel to CORE AXIS to low angles - showing intense drag folding of included greenstone & sedimentary schist HORSTS and blocks in the granodiorite Patches of Pyrrhotite & white quartz 282-286 feet	30°		10266	97.0	99.4	2.4	.012	
							10267	198.8	150.2	1.4	.009	
							10268	153.6	154.5	0.9	.043	TR.
							10270	165.6	167.6	2.0	.037	
							2437	174.0	174.5	0.5	.005	
							10269	182.3	185.3	3.0	.009	
							2438	195.0	196.0	1.0	.010	
2		300	META-GREENSTONE	AS ABOVE locally COARSE GRAINED - the schist and gneiss contain more sulphides than granodiorite.			2439	224.5	228.5	4.0	.050	
		300	END OF HOLE.				2440	282.0	286.5	4.5	.015	



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B.G. CORE - WIRE LINE DRILLING

approximate above 3 Duck Lake level - 11 boxes tagged & stored at P...
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Hole No. 87-17 Page No. 1

Drill	Company	Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.	
T	TRIANGLE DRILLING COMPANY	15 ±	S. 20 W.	200 feet	45°	100 feet east of 87-14 - about 100 feet north of Ed's Trench on N.W. corner of THREE DUCK LAKE.	NTS 41 P/12	19970	
Date	File Started	Date Completed	Date Logged	Logged by	Fl.		Location (Twp., Lot, Con. or Lat. and Long.)		
F	5, 1987	Feb 7/87	Feb 87	C.G. CHERITON			CHESTER TOWNSHIP, Approx 47° 33' N 81° 55' W.		
Exp.	tion Co., Owner or Optionee	Date Submitted	Submitted by (Signature)		Fl.		Ed's TRENCH "B" ZONE		
	YOUNG SHANNON GOLD PARTNERSHIP (1986)	JUNE 16 1987	C.G. Cheriton		Fl.		Property Name	YOUNG-SHANNON GOLD MINES LIMITED	
Fr	To	Rock Type	Description	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage	Sample Length	Assays †
			Colour, grain size, texture, minerals, alteration, etc.				From To		AU. AG. PPM.
C	5	CASING							02/Ton
5	44	GRANODIORITE	FINE TO MEDIUM GRAINED, BLuish GREY - QUARTZ RICH 30% Biotite & greenish amphibole	20-30°		2493	45.0 47.0	2.0	.002 NIL
						2494	77.0 79.0	2.0	.002 NIL
4	56	META-TUFFS & RHYOLITE	YELLOW & GREENISH GRAY BANDED & GNEISSIC with CHLORITIC BANDS (META-TUFFS) & Pyrite SCAMS	60°		2495	96.0 99.0	3.0	.005 NIL
5	94	GRANODIORITE	AS ABOVE			2496	111.5 112.0	0.5	NIL NIL
9	143	META-TUFFS & META RHYOLITE	MAIN ZONE OF BLuish GREY & YELLOWISH GREEN META TUFFS with GNEISSIC BANDING with extra QUARTZ AND (QUARTZ CHLORITE) PYRITE at 131-136 feet SCHIST & GNEISS	60°		2497	120.5 123.5	3.0	NIL NIL
			CHLORITIC BAND with BLUE QUARTZ "EYES" 183-190	50°		2498	130.0 132.0	2.0	.005 .2
14	184	MIXED PINK GRANODIORITE	(190 feet - 6" heavy Pyrite + chalcopyrite + 50% white quartz			2499	135.0 137.0	2.0	.005 .5
			190 1/2 - 192 - DARK GREEN SCHIST	45°		2500	140.0 141.0	1.0	.002 .3
18	192	META-TUFFS CONTACT ZONE	META-SEDIMENTS OR ALTERATION ZONE at contact of YOUNGER RED GRANODIORITE?			2488	174.0 179.0	5.0	.002 NIL
			NOTE: SULPHIDES (pyrite) at CONTACT ZONE			89	179.0 184.0	5.0	.002 NIL
						90	184.0 189.0	5.0	.002 NIL
						91	189.0 190.5	1.5	NIL NIL
						2492	190.5 192.5	2.0	NIL NIL
19	200	GRANODIORITE	FINE TO MEDIUM GRAINED, PINKISH GRANODIORITE speckled with MINOR BIOTITE & AMPHIBOLE 10-20% 30% QUARTZ 30% Feldspar minor spots FeS ₂						
			NOTE: Bright Red Hematite OR "K" ATEN at 192-193 included in SAMPLE "2492"						
	200	END OF HOLE							



Ministry of
Natural
Resources

Diamond
Drilling
Log

B. Q. WIRE LINE DRILLING - old tailings pond

15 boxes tagged & stored at property in old generator

Fill in on
every page

Hole No. 87-18 Page No. 1

Drilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.		
TRIANGLE DRILLING COMPANY		Comp site.	N. 36° W.	300 feet	45°		NTS 41 P/12	19971		
Date Started	Date Completed	Date Logged	Logged by				Location (Twp., Lot, Con. or Lat. and Long.)			
Fe 5/87	Feb 6/87	Feb 87	C.G. CHERITON				CHESTER TOWNSHIP Approx 47° 33' N. 81° 55' W. MAIN VEIN "C" ZONE.			
Explorer on Co., Owner or Optionee		Date Submitted	Submitted by (Signature)			Property Name				
YOUNG SHANNON GOLD PARTNERSHIP (1986)		JUNE 16 1987.	<i>[Signature]</i>			YOUNG-SHANNON GOLD MINES LIMITED				
Footage From	Footage To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage		Assays †	
							From	To	Sample Length	AU OZ/TON
0	26	CASING								
26	195	GRANODIORITE (PORPHYRITIC)	MAINLY LIGHT GREY AND MOTTLY (BLuish GREY & WHITE) Feldspar PORPHYROBLASTS MEDIUM TO COARSE GRAINED GRANODIORITE with narrow MYLONITIC SECTIONS CONTAINING QUARTZ veins and sulphides locally 5% black inclusions Quartz, pyrrhotite & chalcopyrite vein at 46-47 feet 1/8" seams of pyrite at 72-73 feet PYRITE, QUARTZ MYLONITES at 102 feet, 113-114 feet at 135-136, 158 & 161-164 with pyrite & chalcopyrite	30° 60° 30° 60° 70°		10283	45.8	47.5	1.7	.006
						10284	71.8	73.1	1.3	.011
						10285	78.0	79.7	1.7	.014
						10286	95.6	97.2	0.6	.026
						10287	99.4	100.4	1.0	.110 TR.
195	292	MIXED BROWN GNEISS & GREEN GNEISS & Schist.	MAINLY DARK GREEN, FINE TO COARSE GRAINED GREEN SCHIST & GNEISS with BANDING at 45-70° K.C.A. Possibly META ANDESITES & META VOLCANICS and Rocks contain large AMPHIBOLE PORPHYROBLASTS Also COARSE GRAINED BROWN MICA GNEISS - BIOTITE GNEISS over Meta Sedimentary Rocks 195-197 - pyrite & chalcopyrite 1-5 percent in dark green meta sedimentary schist (possible MARKER) 240-267 - Quartz veins cutting Qtz Biotite Schist 243-244 feet - white quartz vein in schist with drag fold and sheared faulted zone (NOTE gold assay)	40°		10288	113.1	114.0	0.9	.009
						10289	158.1	159.3	1.2	.023
						10290	162.0	165.5	3.5	.013
						10292	169.5	170.3	0.8	.013
						10291	193.4	196.3	2.9	.019
						10293	242.7	244.7	2.0	4.12 .041
						10294	259.4	260.8	1.4	.022
292	300	GRANODIORITE	LIGHT GREY MEDIUM GRAINED - AS ABOVE.			10295	288.7	291.6	2.9	.013
	300	END OF HOLE.								



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B.Q. WIRE LINE. near old Tailings POND

Fill in on every page
Hole No. 87-19 Page No. 1

Drilling Company	ANGLE DRILLING COMPANY	Collar Elevation	CAMP SITE	Bearing of hole from true North	N. 30° W.	Total Footage	600 feet	Dip of Hole at Collar	45	Location of hole in relation to a fixed point on the claim.	100 feet east of D. D. H. 87-18 and about 100 feet NORTH EAST of old mill site	Map Reference No.	NTS 41 P/12	Claim No.	19971
Date Started	6-7/87	Date Completed	Feb 9/87	Date Logged	Feb 87	Logged by	C. G. CHERITON					Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx 47° 33' N 81° 55' W. MAIN VEIN "C" ZONE			
Exploitation Co., Owner or Optionee	JUNG - SHANNON GOLD PARTNERSHIP (1986)		Date Submitted	JUNE 16 1987	Submitted by (Signature)		<i>C. G. Cherton</i>					Property Name YOUNG - SHANNON GOLD MINES LIMITED			

From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle*	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays ‡	
							From	To		AU	AG -
C	24	CASING								OZ AU/TON OZ TR	
2	74	GREEN SCHIST	DARK GREY GREEN FINE GRAINED SCHIST CUT BY GRANODIORITE at start of hole and irregular granodiorite dike at 52-57 No sulphides noted in schist								
7	130	GRANODIORITE	GREY, MEDIUM GRAINED FAIRLY MASSIVE with a 3 inch QUARTZ VEIN containing large 1/2 to 1 inch crystals of scheelite at 96 feet and chalcopyrite and pyrrhotite on the edge of the vein	45							
		- QUARTZ SERICITE GNEISS -									
13	170	Meta - TUFFS & META RHYOLITE	YELLOWISH GREY FINE TO MEDIUM GRAINED QUARTZ SERICITE GNEISS with PYRITE SEAMS PARALLEL TO LAYERING and quartz - pyrrhotite seams - 3 inches massive FeS ₂ at 132 ft and up to 1 1/2 Sphalerite ZNS - NUMEROUS Qtz pyrite seams 157 - 166 locally up to 5 per cent pyrite	60° 45°							
		- QUARTZ SERICITE GNEISS -									
17	230	META ANDESITE	MIXED LIGHT GREEN AMPHIBOLITE GNEISS & BIOTITE SCHIST with contorted foliation cut by granodiorite dike - 222-229								
23	322	DARK GREEN GNEISS	DARK GREEN MEDIUM GRAINED AMPHIBOLITE GNEISS CUT by Qtz CARBONATE VEINLETS & grey dike 262-267	45° 50°							
32	360	GREY DIKE	GREY FINE GRAINED, MASSIVE DIKE ROCK NO SULPHIDES	40°							
36	389	DARK GREEN GNEISS	AS ABOVE WITH CORRODED FELDSPAR PORPHYROBLASTS								
38	508	GRANODIORITE	PINKISH GREY, MEDIUM TO COARSE GRAINED MASSIVE ROCK FEW SEAMS OF CHALCOPYRITE & PYRITE FROM 479 TO 500 FEET								
5	542	META-VOLCANICS	DARK GREEN, MEDIUM GRAINED AMPHIBOLITE GNEISS WITH QUARTZ & CARBONATE fillings in FRACTURE ZONES								
54	600	GRANODIORITE	RED, MEDIUM GRAINED, MASSIVE - NO SULPHIDES								
	600	END OF HOLE									



Ministry of
Natural
Resources

Diamond
Drilling

Log West side CLAM LAKE

B. & WIRE LINE DRILLING

5' Above Clam Lake level 25 BOXES Taped & stored at "C" ZONE

YSG.L. Fill in on
every page

Hole No. 87-20
Page No. 1

Drilling Company ANGLE DRILLING COMPANY	Collar Elevation +5'	Bearing of hole from true North	Total Footage 500 Feet	Dip of Hole at Collar 45°	Location of hole in relation to a fixed point on the claim. West side of Claim No 16304 - east side of Claim No. 808553 ON Yeo Township boundary ON south west corner of Clam lake	Map Reference No. N.T.S. 41 P/2	Claim No. 16304
Date Started Fe 11, 1987	Date Completed Feb 12, 1987	Date Logged Feb/87	Logged by C. G. Cheriton	Fl. 44		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx. 47° 33' N. 81° 57' W. CLAM LAKE " F " ZONE	Property Name CHESTER MINERALS LIMITED
Explorers Yeo Shannon (W.D. PARTNERSHIP (1986))		Date Submitted JUNE 30, 1987	Submitted by (Signature) <i>C. G. Cheriton</i>	Fl. 42			
Co., Owner or Optionee				Fl.			

From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle	Core Specimen Footage	Your Sample No.	Sample Footage		Sample Length	Assays †	
							From	To		AU OZ/TON	AG PPM.
0	34	CASING									
34	136	GRANODIORITE	Red MAINLY PINK & RED GRANITE & GRANODIORITE - MEDIUM-GRAINED, VERY BLOCKY DRILLING, ROCKS CUT BY NUMEROUS 1/4" TO 1" QUARTZ VEINLETS CONTAINING FEW CRYSTALS OF PYRITE disseminated through rocks			2454	126.0	130.0	4.0	.010	.3
136	145	FAULT ZONE	FAULT BRECCIA & STRONG SHEARING - MUD SEAMS AND BLUE QUARTZ WITH SERICITIC ALTERATION - POSSIBLY MAJOR ROCK MOVEMENT IN THIS ZONE?	45°							
145	200	GRANODIORITE	GREY MOTTLED & SPOTTED GRANODIORITE - MEDIUM GRAINED, FAINT BRANNING - SILICIFIED WITH PINKISH SEAMS AT 164 FEET ETC. HEMATITIC or PSEUDO HEMATITIC Locally rock is a dark GREY GREEN PATCHY MOTTLED GRANODIORITE containing up to 10% slices of Meta Volcanics & inclusions up to 5% chalcopyrite locally from 182 feet to 192 feet.			2441	182.0	187.0	5.0	.020	1.3
						2442	187.0	192.0	5.0	.010	.7
200	207	META-VOLCANICS	DARK GREEN FINE GRAINED SCHIST - locally drag folded almost parallel to CORE AXIS and FAULTED	20° 30°							
207	320	GRANODIORITE & META VOLCANICS	MIXED MAINLY GRANODIORITE LENSES, SILLS AND DIKES CUTTING GREEN METAMORPHOSED VOLCANICS - ALSO NUMEROUS IRREGULAR QUARTZ VEINLETS WITH DARK GREEN CHLORITIC SEAMS MINOR AMOUNT OF SULPHIDES.								
320	500	META-VOLCANICS	DARK GREEN & GREY GREEN FINE TO MEDIUM GRAINED PATCHY META VOLCANICS CUT BY GRANODIORITE DIKES AND QUARTZ VEINLETS - DRAG FOLDED AT 412 FEET SOME FAULT BRECCIA ZONES healed with QUARTZ & CHLORITE. SOME PYRITE, PSEUDO HEMATITE WITH QUARTZ at 470 feet	20°		2455	463.0	470.0	1.0	.002	.2
	500	END OF HOLE									



Ontario

Ministry of
Natural
ResourcesDiamond
Drilling
LogBQ WIRE LINE DRILLING - approx. ¹³ above 3 DUCK LAKE. 26 boxes tagged & stored at Young Shannon CampFill in on
every page

Hole No. 87-21 Page No. 1

Drilling Company TRIANGLE DRILLING COMPANY	Collar Elevation + 10'	Bearing of hole from true North S. 30° W.	Total Footage 520 feet	Dip of Hole at Collar 45°	Location of hole in relation to a fixed point on the claim. Approximately 800 feet west of #2 post of 20,000 CLAIM NO. ↑	Map Reference No. NTS. 41 P/2	Claim No. S 20000			
Date Hole started Feb 13, 1987	Date Completed Feb 18 1987	Date Logged Feb/87	Logged by C. G. Cheriton	FL	Approx. 21 + 50 5 on LINE 24 W.	Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx 47° 33' N 81° 55' W. "D" ZONE				
Co., Owner or Options Young Shannon Ltd Partnership (1986)		Date Submitted June 30 1987	Submitted by (Signature) <i>C. G. Cheriton</i>	FL		Property Name CHESTER MINERALS LIMITED				
From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle		Core Specimen Footage †	Your Sample No.	Sample Footage From To	Sample Length	Assays † AU AG. oz/tan P.P.M
0	30	CASING								
30	328	GRANODIORITE	MAINLY GREY, MEDIUM TO COARSE GRAINED GRANODIORITE with local banding and INCLUSIONS OF PARTIALLY DIGESTED WALL ROCK AND DARK SCHIST 160-165 - DARK GREEN SCHIST - META-VOLCANICS NO SULPHIDES - possibly could be stratigraphic marker of undigested Meta-Sedimentary Rx? 174-179 Feet - DARK RED GREEN CHERT BED HORIZON with fine grained FeS ₂ and blue quartz eyes - 190-195 - PINKISH ALTERATION (hematite or Kattin) with Quartz veins - NO Sulphides MANY DARK ROUNDED INCLUSIONS 199-240 feet. 1 foot quartz vein of dense dark quartz 30% pyrrhotite and specks of chalcopyrite from 271.5 - 272.5	70°		2447	174.0 179.0	5.0	.005 .3	
				75°		2448	199.0 200.0	1.0	NIL .2	
				60°		2449	271.5 272.5	1.0	.33 19.1	
328	344	GREENSTONE	DARK GREEN FINE GRAINED MASSIVE. Probably DIKE (ANDESITE?)	50° 60°						
344	520	GRANODIORITE	AS ABOVE - CONTAINS SOME dark schist layers and inclusions white quartz vein with pyrite 1-5% and specks of chalcopyrite at 394 feet Rocks contain many inclusions and Banding at 456 feet NOTE - large flakes of Molybdenite MoS ₂ occur in the granodiorite at 519 feet (NOT ECONOMIC).	60° 45°		2450	393.5 394.5	1.0	.005 1.3	
	520	END OF HOLE								

783 (82/1)

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Ministry of
Natural
Resources

Diamond
Drilling

Log

B. O. WIRE LINE

above CLAM LAKE

Fill in on
every page

Hole No.
87-22

Page No.
1

Drill	Company	Collar Elevation	Heading of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.	
T	TRIANGLE DRILLING COMPANY	30 ±	NORTH	500 feet	45°	Approx 600 feet east of 87-20 on the shoreline and about 600 feet S. 70° W. from Shaft on Shannon Island See Map No. 8/87	NTS 41 P/12	16304	
Date	Started	Date Completed	Date Logged	Logged by	Pl. 43		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx. 47° 33' N 81° 57' W CLAM LAKE "F" ZONE Property Name CHESTER MINERALS LIMITED		
Feb 13/1987	Feb 15/1987	February/87	C. G. CHERITON	Pl. 40					
Exp	itation Co., Owner or Optionee	Date Submitted	Submitted by (Signature)	Pl.					
Y.	ING SHANNON OLD PARTNERSHIP (1986)	JUNE 30/87	<i>[Signature]</i>						
Fr	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle	Cone Specimen Footage †	Your Sample No.	Sample Footage From To	Sample Length	Assays † AU AG 03/TW PPM.
C	19	CASING RED							
13	150	GRANODIORITE	PINK & Red GRANITE - MEDIUM & COARSE GRAINED GRANODIORITE with some patchy biotite and few Ferro Mag. cut by quartz veinlets - some at 45 degree to CORE. Others irregular with FeS ₂ & green chloritic seams and large blue quartz eyes - 115.5 - 116.5 - 1 foot dark dyke cuts granite with breccia on edges	45°		2456	45.0 49.0	4.0	.005 .3
						2457	56.0 61.0	5.0	NIL .4
15	177	DIKE ROCK	DARK GREEN FINE GRAINED, dense igneous rock cut by irregular narrow quartz carbonate veinlets 1/8 to 1/4 inch wide inter-laced Red Feldspar Phenocrysts and Ferro Mag minerals						
17	207	IGNEOUS BRECCIA	DARK GREEN BRECCIA containing sub-angular igneous fragments & GREENSTONE FRAGMENTS from 1/4 to 2" in size 182 feet disseminated pyrite in IGNEOUS BRECCIA 202 feet - Diss FeS ₂ in BRECCIA. Note - This hole could be drilling parallel to a fault zone especially 240 feet on -						
20	240	DIKE	AS ABOVE * 240 - 247 FAULT ZONE - NUD SEAMS & BRECCIA	40°					
2A	370	NETA VOLCANICS	MAINLY NUMEROUS SEAMS QUARTZ & HEMATITE 1/16 to 1/8" DARK GREEN FINE GRAINED sheared & FRACTURED intense BRECCIATION to 270 feet Qtz Hematite seams - 302 feet intense shearing with quartz & CARBONATE veinlets & FRACTURED META VOLCANIC BRECCIA -> 327 feet	30° 60° 35°					
37	500	MIXED META-VOLCANICS cut by RED GRANODIORITE	- Red GRANODIORITE CUTTING GREEN VOLCANICS with Qtz HEMATITE VEINLETS - GROUND IS BLOCKY with intense FRACTURING & SHEARING	30-60°					
	500	END OF HOLE							

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Ministry of
Natural
Resources

Diamond
Drilling
Log

B.Q. WIRE LINE DRILLING.

approx. 4' above Three Duck Lake CORE tagged & stored at Young Shannon Camp.

Fill in on
every page

Hole No.
87-23

Page No.
1

Drilling Company TRIANGLE DRILLING COMPANY	Collar Elevation +15 ±	Bearing of hole from true North S. 30° W	Total Footage 500 feet	Dip of Hole at Collar 45	Location of hole in relation to a fixed point on the claim. approx. 1000 feet west of Post #2 - 20,000 and 200 feet west of 87-21 See Map No. 4 of Sept '87	Map Reference No. M.T.S. 41P/12	Claim No. 20 000
Date Started February 19/87	Date Completed Feb 25/87	Date Logged Feb/87	Logged by C.G. CHERITON	Pl. 43		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP, Approx. 47° 33' N 81° 55' W "D" ZONE	Property Name CHESTER MINERALS LIMITED
Exploitation Co., Owner or Optionee YOUNG SHANNON GOLD PARTNERSHIP (1986)		Date Submitted JUNE 30 1987	Submitted by (Signature) <i>C.G. Cherton</i>	Pl. 41			
				Pl.			

From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle*	Core Specimen Footage †	Your Sample No.	Sample Footage		Assays †		
							From	To	Sample Length	AU	AG
0	28	CASING - MUSKEG							g/TON	PPM	
28	61	GREENSTONE DIKE ?	DARK GREEN, FINE TO MEDIUM GRAINED speckled ROCK cut by some QUARTZ CARBONATE veins 1/4 to 1/2" CONTACT shows one chilled margin - probably dike	45°							
61	119	GRANODIORITE	LIGHT GREY, MEDIUM GRAINED MASSIVE WITH PATCHY BIOTITE and DARK ROUNDED INCLUSIONS 64-69 1/2 white QUARTZ vein cuts granodiorite - NO SULPHIDES	30°							
119	140	METASEDIMENTARY SCHIST	DARK, FINE TO MEDIUM GRAINED META SEDIMENTARY QUARTZ BIOTITE SCHIST CUT BY SILICIFIED & PYRITIC FAULT ZONE 126.5-127.5 - sheared & silicified (granodiorite) containing inclusions & Red alteration & blue QUARTZ eyes 127.5-131 - sheared & silicified fine grained with 5% seams of pyrite - NOTE: This may be a fault zone? 136-140 Pyritic Biotite schist with QUARTZ veins	50° 45° 70°		2451	126.5	131.0	4.5	.002	.4
							131.0	135.5	4.5	NIL	.3
							135.5	140.0	4.5	NIL	.3
140	264	GRANODIORITE	LIGHT GREY MEDIUM TO COARSE GRAINED FAIRLY MASSIVE ROCK containing NUMEROUS BLACK ROUNDED BIOTITE RICH INCLUSIONS - ALSO few short sections 1 to 2 feet of dark green schist (dikes) No significant sulphides except with the patches of BIOTITE.	80°							
264	271	GREEN SCHIST	DARK GREEN, FINE GRAINED, dense HARD AMPHIBOLITE SCHIST probably undispersed META VOLCANICS (NO SULPHIDES)	50°							
271	500	GRANODIORITE	AS ABOVE WITH MORE INCLUSIONS AND NUMEROUS SHORT SECTIONS OF GREEN SCHIST 324-327, 364-367 480-487 Meta VOLCANIC BANDS at 80° to C. AXIS with MINOR DISSEMINATED FeS ₂ . GRANODIORITE IS COARSE GRAINED WITH PINKISH (ORTHOCLASE) CAST toward BOTTOM.	70 to 90°							
	500	END OF HOLE									

783 (8)

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Ministry of
Natural
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Diamond
Drilling
Log

B. Q. WIRE LINE

drilled on ice CLAM LAKE

21 Boxes Tagged and stored at Young Shannon

Fill in on
every page

Hole No. 87-24
Page No. 1

Drilling Company ANGLE DRILLING COMPANY	Collar Elevation Lake level	Bearing of hole from true North NORTH	Total Footage 400 feet	Dip of Hole at Collar 45°	Location of hole in relation to a fixed point on the claim. ON N.W. CORNER OF YOUNG'S ISLAND about 300 feet S.W. of the shaft on SHANNON ISLAND	Map Reference No. NTS 41 P/12	Claim No. 16304
Date Holes Started Feb 16/87	Date Completed February 18/1987	Date Logged Feb -87	Logged by C.G. CHERITON	FL 42		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx. 47° 33' N 81° 57' W. CLAM LAKE "F" ZONE.	
Explorator Co., Owner or Optionee YOUNG SHANNON (OLD PARTNERSHIP (1986))	Date Submitted JUNE 30 1987	Submitted by (Signature) <i>C. Cheriton</i>				Property Name CHESTER MINERALS LIMITED	

From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle*	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
							From	To		AU OZ/TON	AG P.P.M.
0	20	CASING									
20	43	TRAP DYKE	DARK GREEN NAFIC FINE GRAINED DYKE containing (LAMPROPHYRE) 10% dark phenocrysts cut by irregular qtz carb veinlets								
43	71	Volcanic Breccia	GREEN BRECCIATED SILICIFIED VOLCANICS Pyrite at 45 feet - Patchy FeS ₂ at 61 feet →			2476	61.0	62.0	1.0	.050	.5
71	78	RED APLITE DIKE	PINK AND RED DENSE FINE GRAINED APLITE DIKE CUTTING ACROSS VOLCANIC BRECCIA - scattered PYRITE.			2477	71.0	72.0	1.0	.005	.2
78	107	DARK GREEN VOLCANIC? OR SED. BRECCIA	DARK GREEN VOLCANIC &/OR SEDIMENTARY BRECCIA - large CLASTIC ANGULAR FRAGMENTS UP TO 1 inch GROUNDMASS contains Sulphides FeS ₂ at 78 & 82 feet			2478	80.0	83.0	3.0	.010	NIL
						2479	101.0	104.0	4.0	.002	NIL
107	117	PORPHYRY	GREY GREEN MEDIUM GRAINED IGNEOUS ROCK with 1/4 inch CORRODED PATCHY 50% Feldspar Phenocrysts	45° 50°		2480	141.0	143.0	2.0	.002	.2
						2481	153.5	156.0	2.5	.010	.3
117	134	RED APLITE	AS ABOVE CUT BY WHITE QUARTZ VEINLETS			2482	157.0	159.0	2.0	.002	NIL
134	182	PORPHYRY	GREY GREEN AS ABOVE with disseminated FeS ₂ 155-166 feet Disseminated FeS ₂ with Reddish K' Altn Fine grained milky quartz vein - 6 inch quartz vein with coarse pyrite at 162 feet	60°		2483	160.0	163.0	3.0	.060	.7
						2484	165.0	167.0	2.0	.002	NIL
182	195	SEDIMENTARY? BRECCIA	Red aplitic INTRUSIVE 191-194 feet cut by Qtz veinlets No SULPHIDES - Red cherty & HEMATITE SPANS AT 205 feet, 217 and 232 feet	45°		2485	190.0	192.0	2.0	.005	NIL
		PORPHYRY				2486	287.0	289.0	2.0	.002	0.4
195	348	Meta Volcanics	DARK GREEN SCHIST & GNEISS WITH PORPHYROBLASTS.			2487	328.5	329.5	1.0	.005	NIL
348	400	META-VOLCANICS	DARK FINE-GRAINED GREENSTONE SCHISTS	45°							
	400	END OF HOLE									

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Ministry of
Natural
Resources

Diamond
Drilling
Log

80 WIRELINE DRILLING

drilled / one ice CLAM LAKE 21 BOXES all tagged & stored at Young Shannon

Fill in on every page Hole No. 87-25 Page No. 1

Drilling Company	Collar Elevation	Seaming of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.			
TRIPLE DRILLING COMPANY	Lake Level	N 45° E	400 feet	45	N. W. CORNER OF YOUNG'S ISLAND Same site as 87-24	NTS 41 P/12	16304			
Date Started	Date Completed	Date Logged	Logged by	PL		Location (Twp., Lot, Con. or Lat. and Long.)				
February 19 1987	Feb 21 1987	MAR/87	C. G. CHERITON	PL		CHESTER TOWNSHIP, Approx 47° 33' N. 81° 57' W. CLAM LAKE F ZONE.				
Explorator	Date Submitted	Submitted by (Signature)		PL		Property Name				
YOUNG SHANNON	JUNE 30, 1987	<i>C. G. Cheriton</i>		PL		CHESTER MINERALS LIMITED				
Co., Owner or Optionee	SOLD PARTNERSHIP (1986)									
From	To	Rock Type	Description	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage From To	Sample Length	Assays †	
0	18	CASING	Note - CAVE AT BEGINNING of Collar -						AU	AG
18	34	DYKE	DARK GREENISH GRAY FINE GRAINED FRACTURED TRAP ROCK OR LAMPHOPHYRE CUT BY IRREGULAR CARBONATE VEINLETS.	45°						
34	105	RHYOLITE BRECCIA	HARD, DENSE GREEN SILICEOUS VOLCANIC OR IGNEOUS BRECCIA FINE GRAINED MATRIX WITH ANGULAR RED & GREEN FRAGMENTS. PYRITE IN MATRIX AT 5.5 feet & KATH at 57 feet very red aplite sections at 145 feet against DYKE. FRAGMENTS include Volcanics, granites & red aplite with MINOR KATH where fractured. Pyrite seams. →	45°		10044	54.0 58.0	4.0	.011	
105	216	DYKE	DARK GREEN TO BLACK BASIC DYKE AS ABOVE. BRECCIATED CONTACT at 215-217 cut by irregular carbonate veinlets	30°		10045	106.0 107.0	1.0	.004	
216	242	PORPHYRY	GREY GREEN (VOLCANIC?) containing 20 percent CORRODED white FELDSPAR PHENOCRYSTS some FeS ₂ disseminated at 222 feet. COARSE grained pink porphyry 223-230 cut by white quartz veins	45°		10046	224.0 225.0	1.0	.027	
242	282	META-VOLCANICS drag-folded.	GRAY GREEN CONTORTED & THIN BANDED. CHLORITE SCHIST dragged parallel to the CORE AXIS CAVE at 257 feet & FAULT ZONES TO 282 feet AT 260-280 largely down layering and drilling parallel to original layering - OR DOWN-DIP 0-10° ROCKS DRAG FOLDED & BRECCIATED	10°						
282	400	MIXED META-VOLCANICS CUT BY PINK GRANITE	GRANITIC DYKES IN META-VOLCANICS - FAULT ZONE 300-302 scattered irregular quartz veins with 3 inches with FeS ₂ at 323 & 334, 342 & 346 with Red AIRN Sections & seams.	40°		10047	332.0 337.0	5.0	.009	
400		END OF HOLE				10048	349.0 350.0	1.0	.013	

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Ministry of
Natural
Resources

Diamond
Drilling
Log

B.Q. Wire line

approx above Three Duck Lake 24 Boxes stored at Young Shannon Camp

Fill in on
every page

Hole No. 87-26 Page No. 1

Drilling Company	Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.				
TRIANGLE DRILLING COMPANY	+15' ±	S.30° W.	500 feet	45°	Approximately 1200 feet west of Post 2-20 000 and 200 feet west of 87-23 approx 2150± on line 28 W.	NTS 41 P/12	20 000				
Date Started	Date Completed	Date Logged	Logged by	FL	FL	FL	FL				
Feb 25 1987	Feb. 28, 1987	MARCH/87	C.G. CHERITON								
Exploration Co., Owner or Optionee	Date Submitted	Submitted by (Signature)	Property Name	Location (Twp., Lot, Con. or Lat. and Long.)							
YOUNG SHANNON GOLD PARTNERSHIP (1986)	JUNE 30 1987	<i>C. Cheriton</i>	CHESTER MINERALS LIMITED	CHESTER TOWNSHIP Approx 47° 33' N 81° 55' W "D" ZONE							
From	To	Rock Type	Description	Planar Feature Angle	Core Specimen Footage †	Your Sample No.	Sample Footage	Sample Length	Assays †		
			Colour, grain size, texture, minerals, alteration, etc.				From	To	AU	AG	
0	46	CASING							oz/ton	P.P.N.	
46	88	GRANODIORITE	LIGHT GREY, MEDIUM GRAINED GRANODIORITE containing BIOTITE-AMPHIBOLE up to 20% and many dark fuzzy inclusions								
88	42	META GREENSTONE (VOLCANICS)	DARK, FINE TO MEDIUM GRAINED - BIOTITE AMPHIBOLITE SCHIST & GNEISS.	45°							
142	338	GRANODIORITE	MAINLY LIGHT GREY, MEDIUM GRAINED VARYING TO FLESH COLOURED LOCALLY (Probably TRONCHEMITE) Pyrrhotite at 247 1/2, possibly META-TUFFES at 259-270 Chalcopyrite + pyrite at 259 1/2 Quartz Vein + pyrrhotite + chalcopyrite at 268 1/2 X 2- 1/8" ribbons or narrow Veinlets of Scheelite grains at 258 feet at 60° to CORE AXIS	60°							
						2461	247.0	248.0	1.0	NIL	1.2
						2462	259.0	260.0	1.0	.27	8.5
						2463	264.0	267.0	3.0	NIL	.5
						2464	267.0	269.0	2.0	.13	4.0
338	342	BIOTITE GNEISS	DARK GREENISH BLACK GNEISS	80°							
342	500	GRANODIORITE	As ABOVE with 2 GREEN SCHIST SECTIONS								
			413-419 - DARK GREEN GNEISS	70°							
			455-461 - GREEN GNEISS	70°							
	500	END OF HOLE									

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Ontario

Ministry of
Natural
ResourcesDiamond
Drilling
Log

B.Q. WIRE Line Drilling - CLAM LAKE

5 Boxes of core tagged & stored at Y.S. CAMP.

Fill in on
every page

Hole No. 87-27 Page No. 1

Drilling Company ANGLE DRILLING COMPANY	Collar Elevation Lake Level	Bearing of hole from true North NORTH	Total Footage 140	Dip of Hole at Collar 45	Location of hole in relation to a fixed point on the claim. 100 feet south of shaft on Shannon Island. drilled on "ice"	Map Reference No. NTS 41P/12	Claim No. 16304		
Date Hole Started Feb. 22/1987	Date Completed Feb. 23/1987	Date Logged MARCH/87	Logged by C.G. CHERITON	PL		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx. 47° 33' N, 81° 57' W, CLAM LAKE "F" ZONE	Property Name CHESTER MINERALS LIMITED		
Exploratory Co., Owner or Optionee YUNG SHANNON GOLD PARTNERSHIP (1986)	Date Submitted JUNE 30 1987	Submitted by (Signature) <i>C. Cheriton</i>	PL						
			PL						
From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage From To	Sample Length	Assays † AU AG. oz/Ton PPM.
0	48	CASING	ICE, WATER & LAKE BOTTOM.						
48	130	PARPHYRY + META VOLCANICS	DARK GREEN. FINE TO MEDIUM GRAINED VOLCANICS CONTAINING WHITE CORRODED FELDSPAR PHENOS and BLUE QUARTZ CRYSTALS. V.G. ? - 102 feet. Includes white qtz & Red Htn →	45°		2468	82.0 85.0	3.0	NIL NIL
			White quartz Ribbons with FeS ₂ seams and Red Htn at 117 to 118 feet	45 to 60°		2472	93.0 94.0	1.0	.045 .3
			Vein ZONE (qtz seams + sulphides) roughly 102-120 feet contains many narrow calcite veins with Red HEMATITE BOUNDARIES CUTTING PARPHYRITIC META-VOLCANICS WHICH CONTAINS IRREGULAR QUARTZ - ORTHOCLASE METACRYSTS IN 11-20% BLUE QUARTZ EYES			2469	102.0 103.0	1.0	.56 2.8
						2470	117.0 118.5	1.5	.020 .1
130	140	META VOLCANICS	DARK GREEN FINE GRAINED META ANDESITE cut by irregular quartz - carbonate veins which are cut by red hematite veins & seams.	45° to 60°		2471	131.0 133.0	2.0	.005 NIL
	140	END OF HOLE							

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Ministry of
Natural
Resources

Diamond
Drilling
Log

B.O. WIRE LINE DRILLING.

CLAM LAKE
DRILLED FROM ICE SURFACE - 5 BOXES OF CORE TAPPED & STORED AT V.S. CAMP.

Fill in on every page
Hole No. 87-28 Page No. 1

Drilling Company		Collar Elevation	Bearing of hole from True North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.			
ANGLE DRILLING COMPANY.		LAKE LEVEL	NORTH	140 feet	60°	100 feet south of the shaft on Shannaw Island drilled on ice from the same site as 87-27	NTS 41 P/12	16304			
Date Started	Date Completed	Date Logged	Logged by			Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP, Approx 47° 33' N. 81° 57' W. CLAM LAKE " F " ZONE Property Name CHESTER MINERALS LIMITED					
February 24/87	February 25/87	MARCH/87	C.G. Cheriton		Pl.						
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)		Pl.						
YONG SHANNON Gold Partnership (1986)		June 30 1987	<i>[Signature]</i>		Pl.						
From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.		Planar Feature Angle*	Core Specimen Footage †	Your Sample No.	Sample Footage From To	Sample Length	Assays † AU AG GZ/TON P.P.M.	
0	43	CASING.									
43	83	PORPHYRITIC META-VOLCANICS	DARK GREEN, FINE TO MEDIUM-GRAINED "RE-CRYSTALLIZED" META-VOLCANICS "MIGMATITE" CONTAINS SECTIONS AND PATCHES OF COARSE GRAINED PINK AND WHITE QUARTZ & FELDSPAR (mainly orthoclase)								
83	111	META-VOLCANICS	GREEN FINE TO MEDIUM GRAINED ROCK AS ABOVE WITH more shattering, seams of pyrite and quartz from 99-99 - cut by pinkish porphyry with 2% pyrite 105-111 - with 5% pyrite & quartz seams				2467	94.0 99.0	5.0	.010	.20
111	113	QUARTZ VEIN ZONE	2 feet of DENSE BLUE GREY QUARTZ containing 60-70 about 5 percent Chalcocite & 5 percent pyrite in patches & seams - specks of ZnS & 2 inches from white carbonate vein. occurs at 113 feet against sulphide				2465 2466	105.0 111.0 111.0 113.0	6.0 2.0	.035 .280	.80 6.0
113	140	PORPHYRITIC Meta-Volcanics	GRAY GREEN MEDIUM TO COARSE GRAINED META-VOLCANICS OR metavolcanics PORPHYROBLASTIC-MIGMATITE? CONTAINS CORRODED GREY & WHITE PHENOCRYSTS OF QUARTZ & PINK FELDSPAR with local KAltn at 127, 135-138 feet. ROCKS CUT BY HEMATITE SEAMS with QUARTZ								
140		FWD OF HOLE									

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



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Natural
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Diamond
Drilling
Log

CLAM LAKE
B.O. WIRE LINE DRILLING - Drilled from ice surface - 5 Boxes of core tagged & stored at Y.S. Camp.

Fill in on
every page

Hole No. 87-29 Page No. 1

Drilling Company TRIANGLE DRILLING COMPANY	Collar Elevation Lake Level	Heading of hole from true North N. 48° W.	Total Footage 150 feet	Dip of Hole at Collar 45	Location of hole in relation to a fixed point on the claim. 100 feet south of the shaft on Shannon Island drilled on ice from the same site as 87-27	Map Reference No. NTS 41 P/12	Claim No. 16304
Date Started Feb 26/1987	Date Completed Feb 28/1987	Date Logged MARCH/87	Logged by C.G. CHERITON	FL		Location (Twp., Lot, Con. or Lat. and Long.) CHESTER TOWNSHIP Approx 47° 33' N. 81° 57' W CLAM LAKE "F" ZONE	
Exploring Co., Owner or Options YONG SHANNON GOLD PARTNERSHIP (1986)		Date Submitted June 30 1987	Submitted by (Signature) <i>C.G. Cheriton</i>		FL	Property Name CHESTER MINERALS LIMITED	

Stage	From	To	Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage From	To	Sample Length	Assays † AU AG oz/TN P.P.M.
0	52		CASING								
52	140		PORPHYRITIC META-VOLCANICS "MIGMATITE"	DARK GREEN, FINE TO MEDIUM GRAINED SCHIST CONTAINING 25 per cent PINKISH WHITE IRREGULAR PORPHYROBLASTS up to 1/4 inch diameter with CORRODED BOUNDARIES (very large phenocrysts 1/2 to 1/2 inch from 60-77 feet seams of pyrite at 92-96							
				NUMEROUS, irregular, hollow quartz - CARBONATE veinlets			2475	92.0	96.0	4.0	.005 NIL
				Note - Single vein of WHITE QUARTZ CARBONATE CUTS ACROSS META-VOLCANICS at 111 feet	60		2474	110.0	112.0	2.0	.23 1.6
				NOTE - GRIND at 137 feet (4 feet of core MISSING (possibly friable vein zone ground & lost or leached sulphides washed out)							
140	150		Meta-Volcanics	DARK BLuish GREEN SILICIFIED META-VOLCANICS CONTAINING some IRREGULAR QUARTZ VEINS							
	150		END	NOTE: It is possible that this N.W. angle hole did not reach the main vein?							

783

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Ministry of
Natural
Resources

Diamond
Drilling

Log

B.Q. WIRE LINE

±
elev. approx 50' above Cote Lake. - 20 Boxes tagged & stored at Y.S. Campsite

Fill in on
every page

Hole No. 87-30
Page No. 1

Drilling Company	Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.			
ANGLE DRILLING COMPANY	CAMP SITE	N. 30° W	370 feet	60°	100 feet west of 87-9 and 100 feet east of Cote Lake shore 300 feet S. 30° E of vein outcrop -	N.T.S. 41P/12	19971			
Date Started	Date Completed	Date Logged	Logged by	PL	PL	PL	PL			
28/87	MAR 2 1987	MAR 1987	C.G. CHERITON							
Explorator Co., Owner or Optionee	Date Submitted	Submitted by (Signature)	Location (Twp., Lot, Con. or Lat. and Long.)							
YOUNG SHANNON (OLD PARTNERSHIP (1986))	JUNE 16 1987	<i>C. Cheriton</i>	CHESTER TOWNSHIP Approx 47° 33' N. 81° 55' W. MAIN VEIN "C" ZONE.							
Property Name			Assays †							
YOUNG Shannon Gold Mines Limited			AU AG							
From	To	Rock Type	Description	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage From To	Sample Length	AU	AG
0	10	CASING							02/TAN	02/TAN
10	284	GRANODIORITE	GREY TO BLUSH GREY MEDIUM GRAINED FRACTURED & SILICIFIED "GRANITIC-LIKE" Rock probably a TRONDHEMITE TYPE with minor Fe-Mag. minerals. Some irregular QUARTZ veins and seams 44-45 feet. There are patchy bleaches & streaky zones and pale pinkish sections of rock. Some sections are like greunitized felsics 94-95 feet. Seams of Pyrite at 132 & 138 feet, 190 feet etc.							
		(FOUR DIKES CUT GRANODIORITE)	GRAY FINE GRAINED MASSIVE IGNEOUS ROCK - contacts at 30° to G.A.	30°						
		① 214-220 feet - contains specks of FeS ₂				9791	44.1 46.8	2.7	.164	.063
		② 228-232 - Dike as above. QUARTZ seams & PINK Alteration at 235 feet between 2nd & 3rd dike - Pyrite seams at 241 feet at 60° to G.A.		60°		9792	62.5 65.3	2.8	.068	.059
		③ 246-265 - Dike as above - Brecciated contact at 246 feet with inclusions in GRANODIORITE		30°		9793	77.5 80.6	3.1	.022	.032
		④ 274-276.5 - Dike with gray irregular Porphyroblasts cutting PINKISH GRANODIORITE.		60°		9794	128.8 130.4	1.6	.014	.058
						9795	189.3 191.9	2.6	.021	TR.
						9796	296.4 298.7	2.3	.042	.032
						9797	298.7 300.4	1.7	.012	TR
						9798	300.4 302.8	2.4	.172	.141
						10052	302.8 307.0	4.2	.043	
						10053	307.0 310.5	3.5	.004	
						9799	310.5 313.5	3.0	.052	.056
284	370	META-VOLCANICS META-SEDS. "AMPHIBOLITE"	DARK GREEN, MEDIUM TO COARSE GRAINED AMPHIBOLITE GNEISS & Biotite SCHIST with sulphide seams scattered to end of hole. Note: Hole should have run drilled through GREENGNEISS			9800	367.1 370.0	2.9	.052	.199
	370	END OF HOLE								

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.