



42A11NW0002 16 PROSSER

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PROSSER TOWNSHIP REPORT NO. 16

This file contains work performed by National Explorations Ltd. on claims:

P.62174	Hole # 64-1	June, 1964	360'
	64-6	July/64	339'
	64-8	Aug/64	801'
P.62172	64-2	July/64	437.5'
	64-4	Aug/64	351'
	64-5	Aug/64	354.5'
	64-7	Aug/64	354'
P.62173	64-3	July/64	333'

8DDA

3330'

SULMAC EXPLORATION SERVICES LIMITED

PROPERTY National Explorations Ltd.
Rosser Twp. Ontario

SAMPLING RECORD

SHEET NO. 2 of 3

HOLE NO. 64-3 DEPTH 333' ANGLE 45° STRIKE W ELEVATION

22+00N CO-ORDINATES 5+50W

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ANALYSIS			LENGTH Cu FEET	PROGRESSIVE TOTALS		
				Zn %	Ni %	Ag oz/ton		Au oz/ton	FEET X PER CENT	
	210-220 - Breccia zone cement Blk. Qtz. Tr. Py.									
	260-280 - L-M Shr. 40-50° to core with Blk. Qtz. & some chlor. filling									
	135-302 - Blk. Qtz. mainly in fr. fill. & Shr. with Tr. to 1-2% Py. Po.									
333.0	Basalt to felsic (Dk. Gy.) same as section from 135-303 only darker colour with Blk. Qtz. & Dk. chlor. Some Bx. effect and Tr. to 1% Py. Po. Sph. in places.									
	130.0 - 135.0	6501	5.0	.13	.01	trace	nil	trace		
	135.0 - 136.5	6502	1.5	.12	.01	trace	nil	trace		
	136.5 - 137.5	6503	1.0	.10	.01	nil	nil	trace		
	137.5 - 140.0	6504	2.5	.10	.01	nil	.01	trace		
	140.0 - 142.5	6505	2.5	.13	.01	trace	.01	nil		
	142.5 - 145.0	6506	2.5	.13	.01	trace	.01	nil		
	145.0 - 147.5	6507	2.5	.13	.02	trace	.02	nil		
	147.5 - 150.0	6508	2.5	.22	.02	nil	.01	nil		
	150.0 - 152.5	6509	2.5	.11	.02	nil	.01	nil		
	152.5 - 155.0	6510	2.5	.21	.03	.56	.01	nil		
	155.0 - 160.0	6511	5.0	.12	.01	nil	.01	nil		
	261.5 - 263.6	6523	2.1			trace		trace		
	320.0 - 322.5	6512	2.5	.31	.02	.73	.02	trace		
	322.5 - 325.0	6513	2.5	.20	.03	trace	.01	trace		
	325.0 - 327.5	6514	2.5	.45	.07	.84	.02	trace		
	327.5 - 330.0	6515	2.5	.27	.04	trace	.01	trace		
	330.0 - 333.0	6516	3.0	trace	.03	nil	.01	trace		

SULMAC EXPLORATION SERVICES LIMITED

PROPERTY National Explorations Ltd.
Prosser Twp. Ontario

SAMPLING RECORD

SHEET NO. 1 of 2

HOLE NO. 64-5 DEPTH 354.5' ANGLE 45° STRIKE E ELEVATION

CO-ORDINATES 24400N 7+25E

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ANALYSIS			LENGTH Ag FEET	PROGRESSIVE TOTALS	
				Zn %	Cu %	Ni %		Au	FEET X PER CENT
0.0	Collar								
66.0	Casing								
205.0	Quartzite L-gy. pink f.g. to nil. 160-205 - f.g. sil. gy. pink gradational finer in depth. 162-184 - L-shr. & Bx. cement by Qtz. calcite mainly 55° to core 169.7-.70.5 - Qtz.calcite vein 40° to core.								
256.0	Grey f.g. felsite with Bx. qtz. fr. filling								
302.0	Quartzite L-M shr. 50-70° to core cemented on qtz. calcite some blk. chlor?								
354.0	Felsite gy. green L-M fr. & some shr. cemented with qtz. calcite & blk. chlor. from tr. to 2% py. po. assays from 300-312.5 302-317 - M-H shr. 70° to core.								
300.0 - 302.5		6517	2.5	.44	.03	.04	.67		
302.5 - 305.0		6518	2.5	.61	.05	.05	.54		
305.0 - 307.5		6519	2.5	.10	.01	.03	nil		
307.5 - 310.0		6520	2.5	.20	.03	.02	.49		
310.0 - 312.5		6521	2.5	.10	.01	.09	tr.		

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Prosser Twp. Ontario

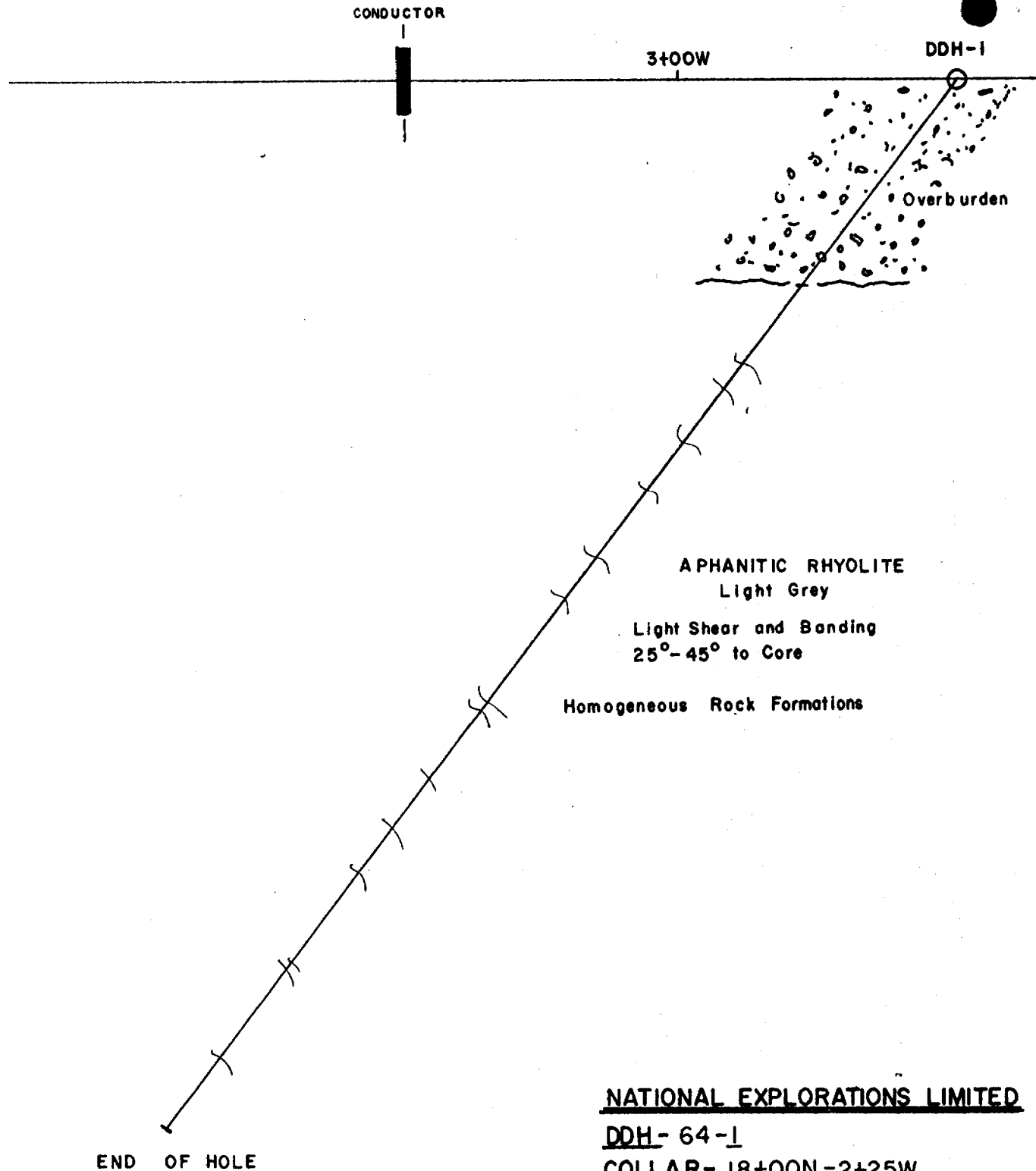
SAMPLING RECORD

SHEET NO. 1 of 2

HOLE NO. 64-6 DEPTH 339' ANGLE 45° STRIKE W ELEVATION

CO-ORDINATES 20+00N 4+50W

DEPTH FEET	FORMATION	SAMPLE NO.	LENGTH FT.	ANALYSIS			LENGTH Ag. FEET	PROGRESSIVE TOTALS	
				Zn. %	Cu. %	Ni. %		Au.	FEET X PER CENT
0.0	Collar								
58.0	Casing								
230.0	Felsite basalt f.g. M Gy. green irreg. flow text. with occ. blebs or amyg. of calcite fine fr. filled with Qtz. calcite, tr. py. 167-169 - slips & fr. 45°-30° cemented 176.5-178 - Qtz. calcite vein 45° 178#202 - Dk, grey - blk. chlor. filling fr. 30°- 40° to core 183 - sand seam, water? 213-214.5 - Qtz. calcite filled fr. and shr. 35° to core 220-222 - Fr. & Shr. cemented 30°-35° to core								
339.0	Poss. Amyg. basalt diss. blebs of mineral in placed 1-2% py.po. (M-Dk. gy. green)								
59.0 - 59.3]	171-T	.3	.21	.02	.03	trace		
307.0 - 307.3		172-T	.3	.32	.02	.03	.45		
316.0 - 316.2		173-T	.2	.26	.01	.02	.41		
332.0 - 333.0		174-T	1.0	NIL	NIL	NIL	NIL		
129.0 - 129.5		175-T	.5	.11	.02	.03	trace		



NATIONAL EXPLORATIONS LIMITED

DDH- 64-1

COLLAR- 18+00N-2+25W

SECTION- 18+00N

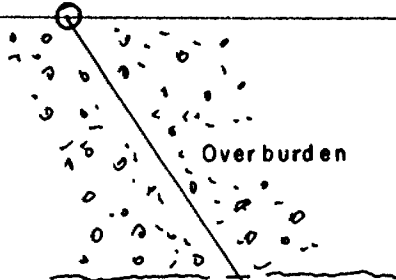
SCALE- 1"= 40'

PROSSER TWP.-ONTARIO

DDH-2

11+00E

DETAIL
CONDUCTOR



Overburden

FELSITE

CONTACT 45°

BASALT GABBRO
Dark Gray to Green

Medium to Heavy Shear, Numerous
Chlorite Slips Throughout

Disseminated Pyrite 1-2 %

TALCISH TO
SERPENTINIZED
MORE CONSOLIDATED

QUARTZ CALCITE FILLED FRACTURES

BASALT
GABBRO
Dark
Grey

QUARTZ BRECCIA

NATIONAL EXPLORATIONS LIMITED

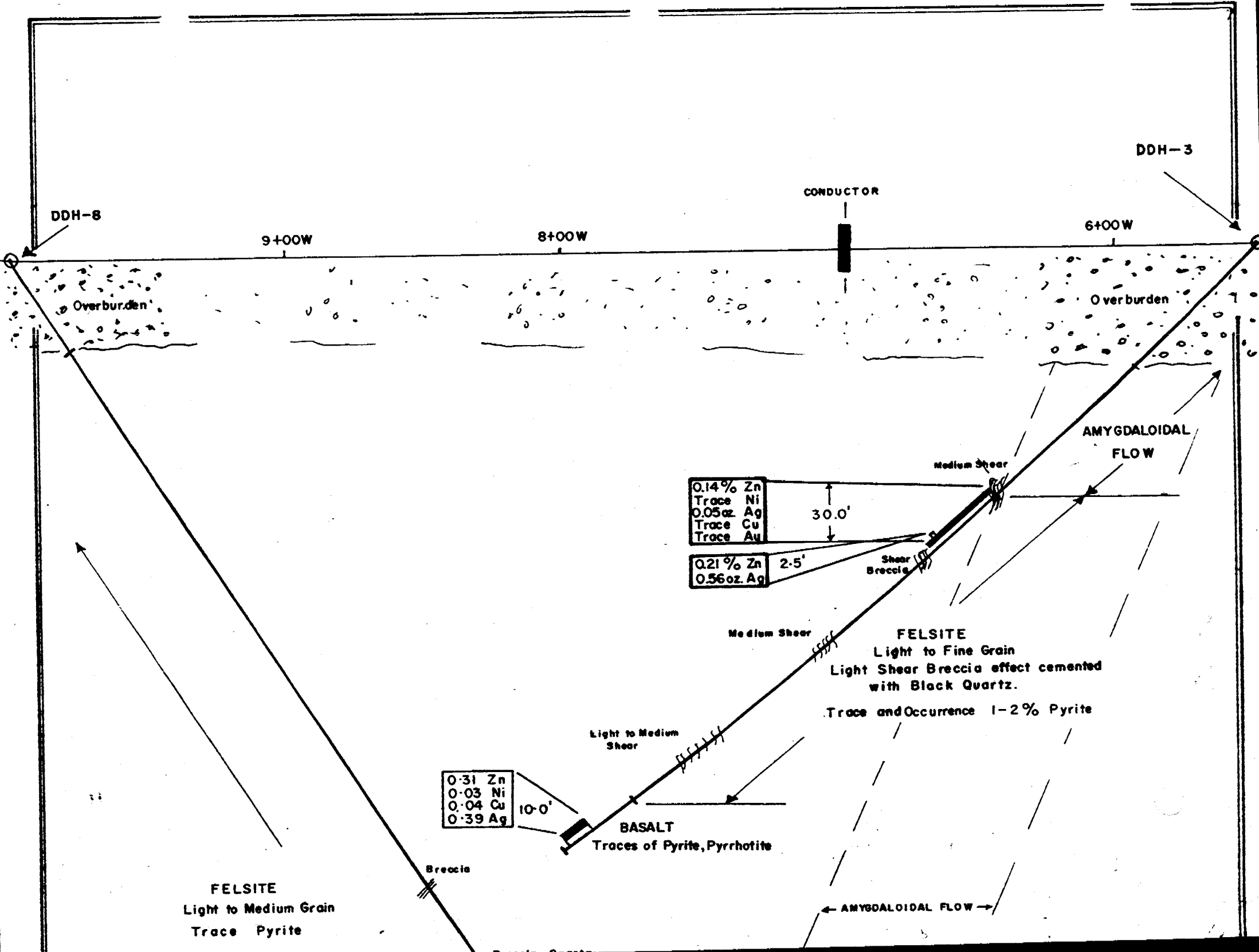
DDH - 64-2

COLLAR - 22+00N - 10+00E

SECTION - 22+00N

SCALE - 1" = 40'

PROSSER TWP. - ONTARIO



DDH-8

DDH-3

CONDUCTOR

9+00W

8+00W

6+00W

Overburden

Overburden

AMYGDALOIDAL FLOW

0.14% Zn
Trace Ni
0.05oz. Ag
Trace Cu
Trace Au

30.0'

0.21% Zn
0.56oz. Ag

2.5'

FELSITE
 Light to Fine Grain
 Light Shear Breccia effect cemented with Black Quartz.
 Trace and Occurrence 1-2% Pyrite

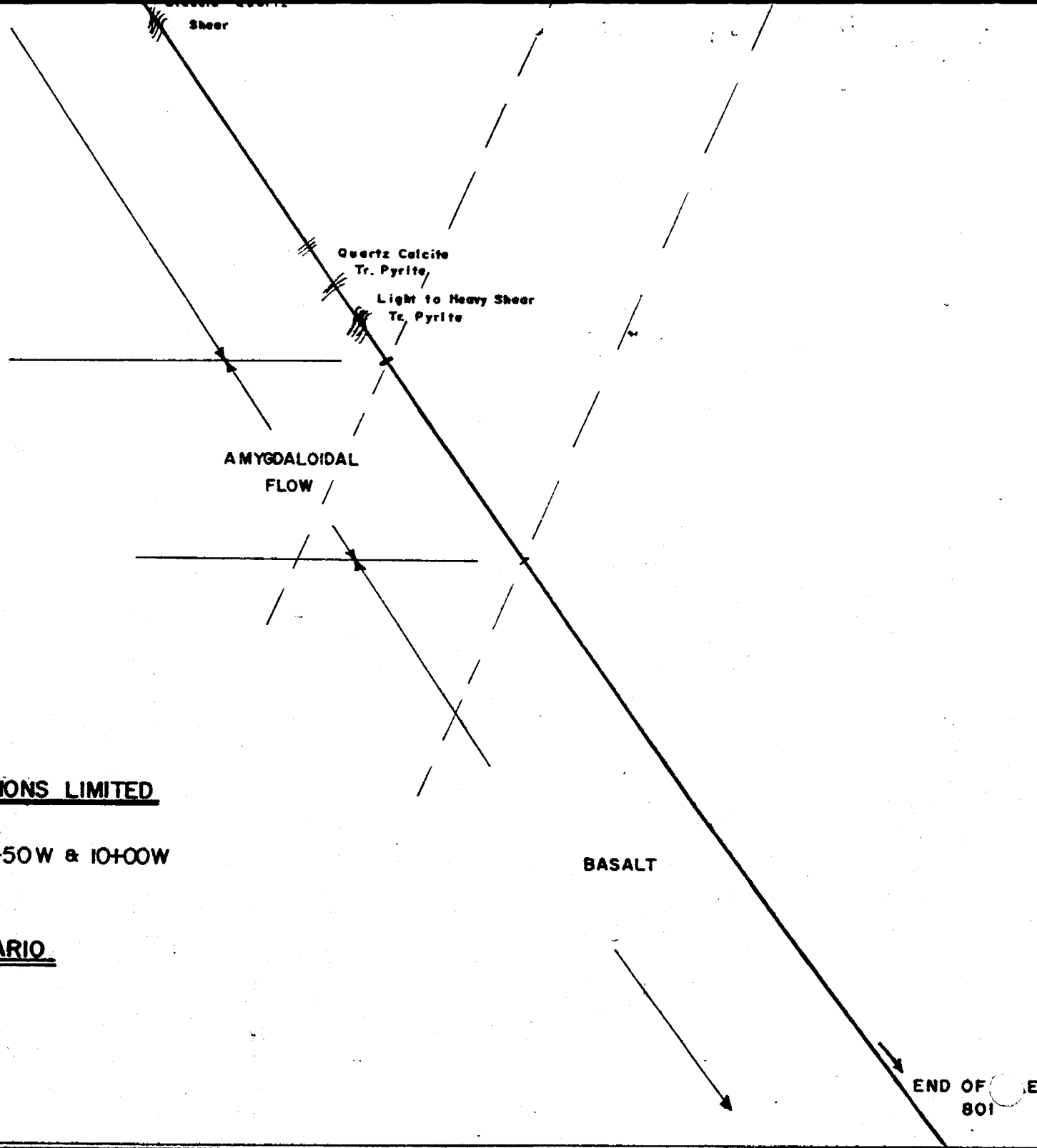
0.31 Zn
0.03 Ni
0.04 Cu
0.39 Ag

10-0'

BASALT
 Traces of Pyrite, Pyrrhotite

FELSITE
 Light to Medium Grain
 Trace Pyrite

← AMYGDALOIDAL FLOW →



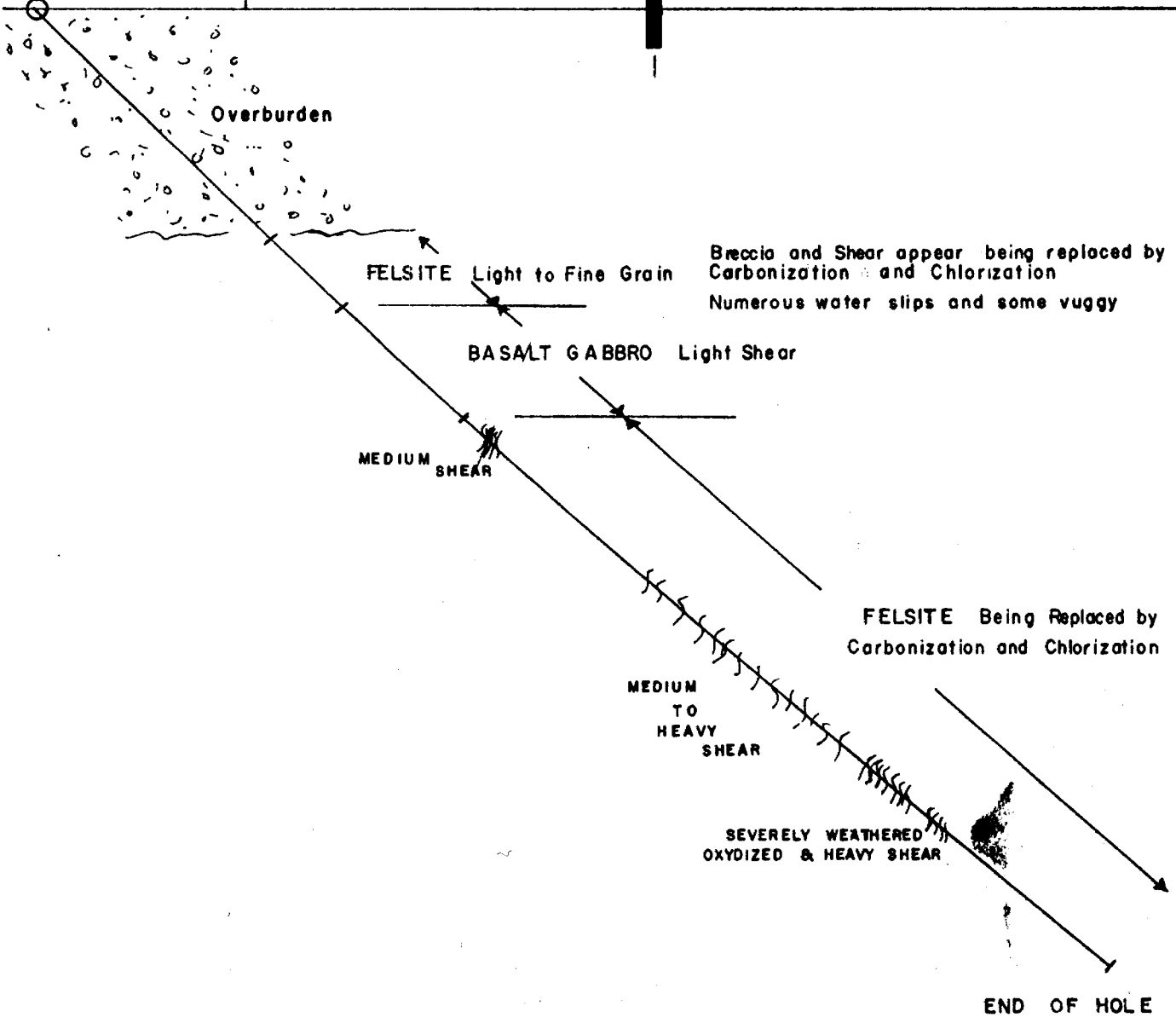
NATIONAL EXPLORATIONS LIMITED
DDH- 64-3 & 64-8
COLLAR- 22+00N- 5+50W & 10+00W
SECTION- 22+00N
SCALE- 1"= 40'
PROSSER TWP.- ONTARIO

END OF SECTION 801

DDH-4

8+00E

CONDUCTOR



NATIONAL EXPLORATIONS LIMITED

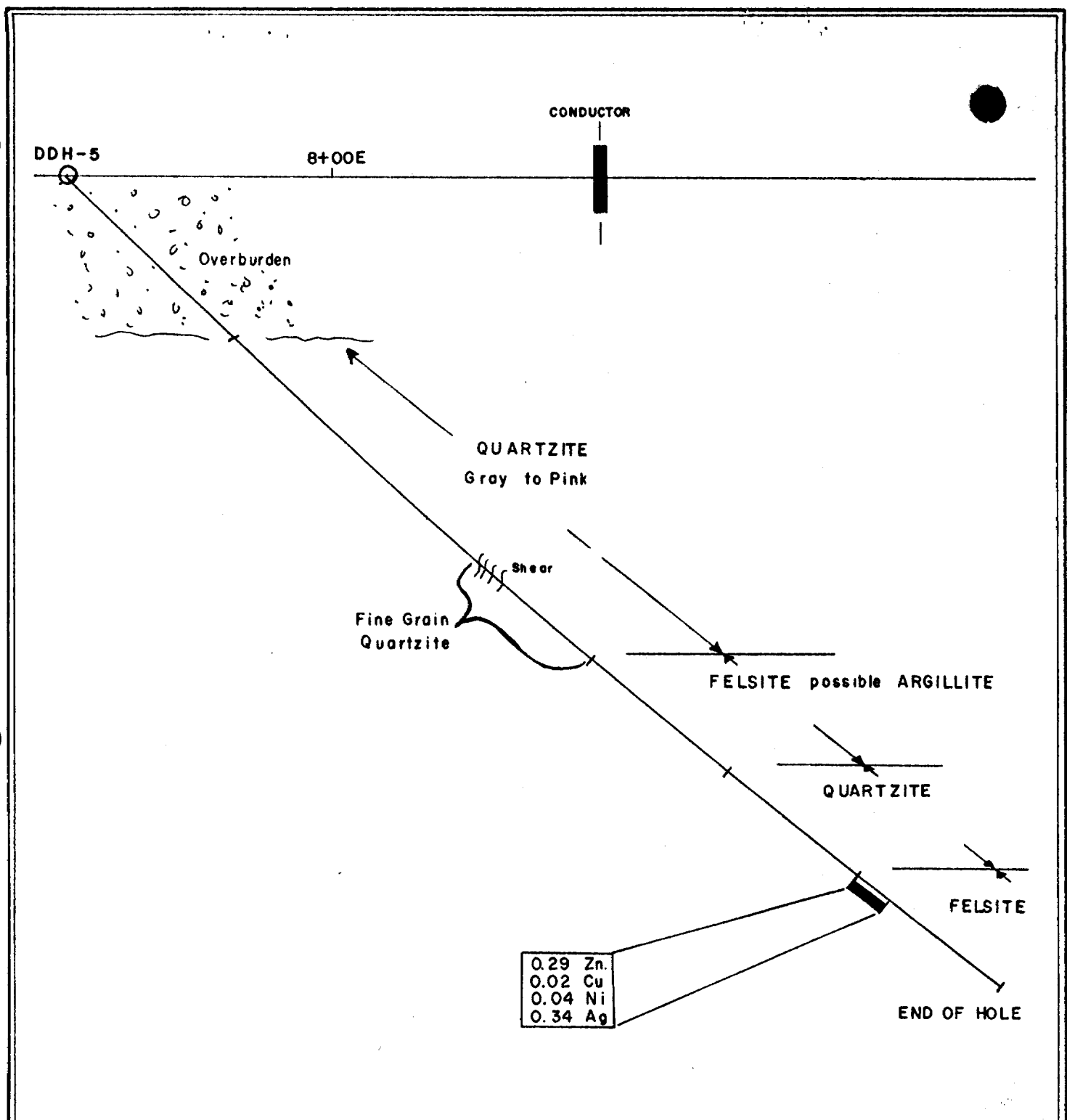
DDH-64-4

COLLAR- 16+00N-7+50E

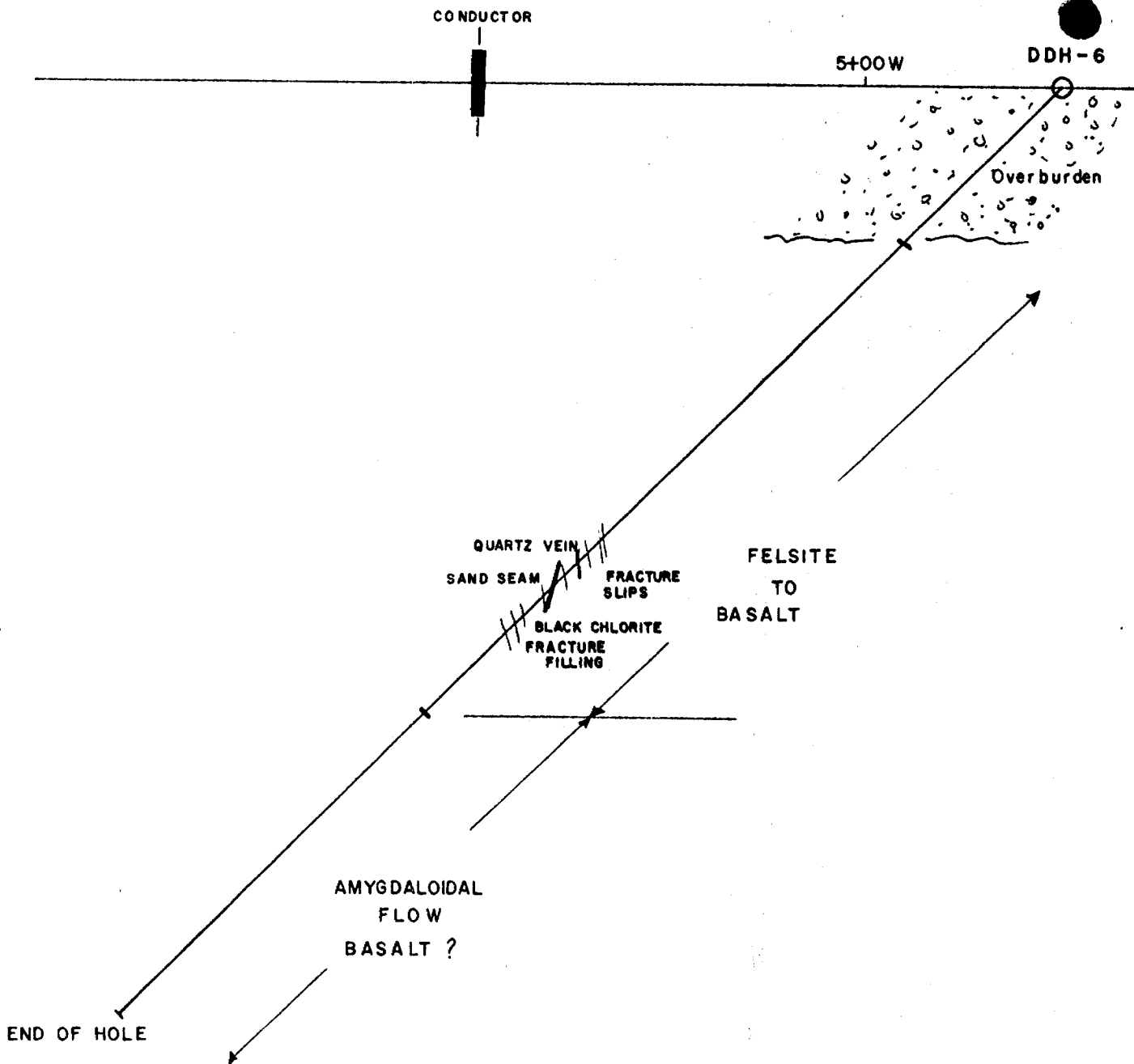
SECTION-16+00N

SCALE-1"= 40'

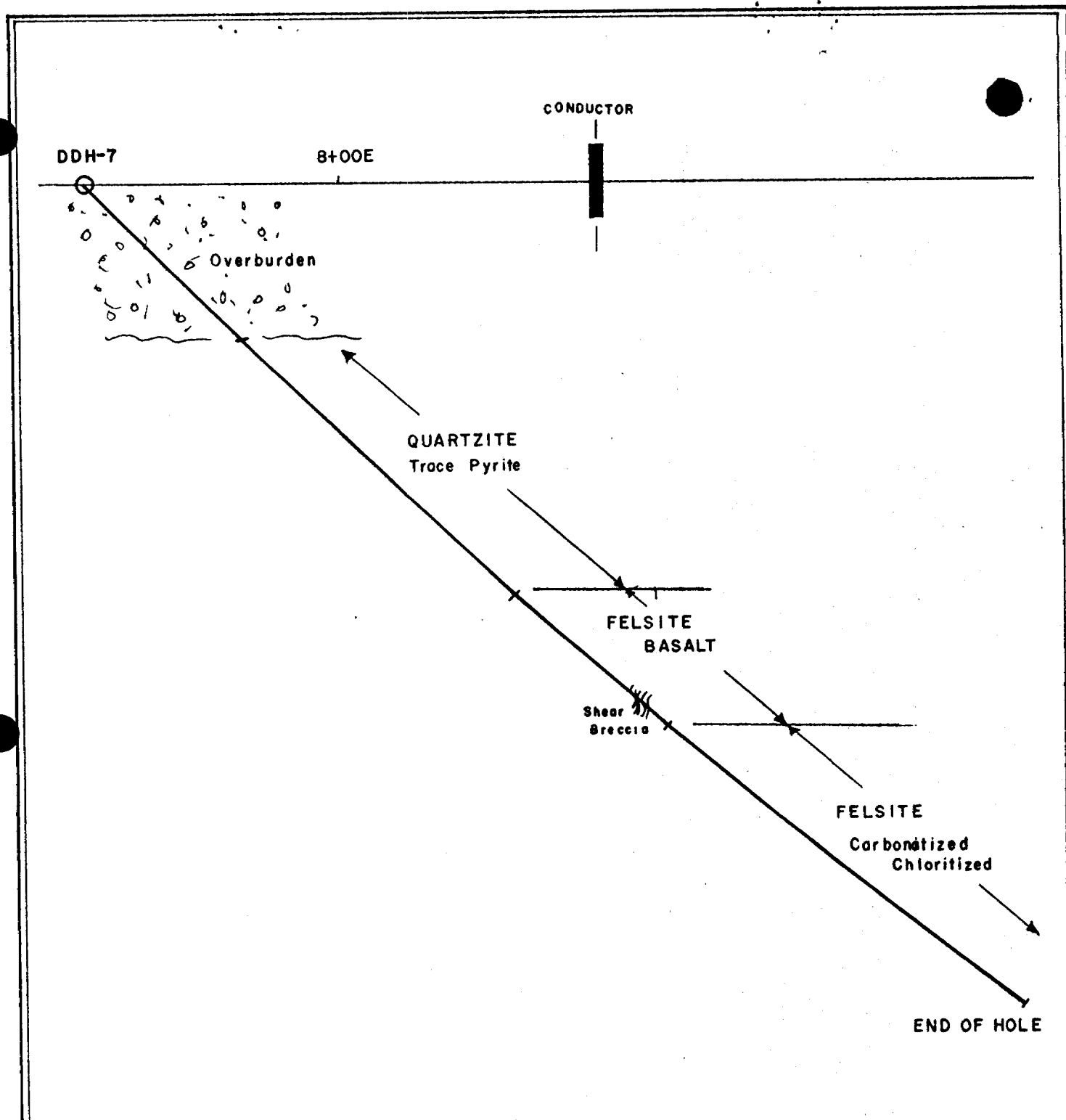
PROSSER TWP.-ONTARIO



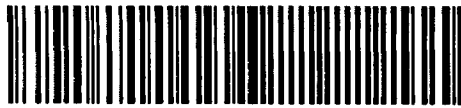
NATIONAL EXPLORATIONS LIMITED
DDH - 64 - 5
COLLAR - 24+00N - 7+25E
SECTION - 24+00N
SCALE - 1" = 40'
PROSSER TWP - ONTARIO



NATIONAL EXPLORATIONS LIMITED
DDH-64-6
COLLAR-20+00N-4+50W
SECTION-20+00N
SCALE-1"=40'
PROSSER TWP-ONTARIO



NATIONAL EXPLORATIONS LIMITED
DDH-64-7
COLLAR-22+00N-7+25E
SECTION-22+00N
SCALE- 1"=40'
PROSSER TWP.-ONTARIO



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**SUMMARY OF DRILL PROGRAMME
ON PROPERTY OF
NATIONAL EXPLORATIONS LTD.**

**PROSSER TOWNSHIP
PORCUPINE MINING DIVISION
PROVINCE OF ONTARIO**

SULMAC EXPLORATION SERVICES LIMITED

OCTOBER 14, 1964

**SUMMARY OF DRILL PROGRAMME
ON THE PROPERTY
OF NATIONAL EXPLORATIONS LTD.**

**PROSSER TOWNSHIP
PORCUPINE MINING DIVISION
PROVINCE OF ONTARIO**

The following information summarizes drilling carried out on the property of National Explorations Ltd. in Prosser Township, Porcupine Mining Division, Province of Ontario. Included with this summation are the logs and sections of eight bore holes which tested five conductive zones.

The #1 conductor was tested by bore hole #1 at L-18+00N, 2+25W, -55° NW. The conductive zone was not apparent in the drill hole. The weakly indicated conductor is probably due to an irregularity in the overburden or bedrock.

The #2 conductor was tested by bore holes #3, #6, and #8, at L-22+00N, 5+50W, -45°NW; L-20+00N, 4+50W, -45° NW; and L-22+00N, 10+00W, -60° SE, respectively. The weakly indicated conductor was caused by shearing at 210 feet and 395 feet respectively in DDH #3 and DDH #8. Weak pyrite-pyrrhotite mineralization was associated with this conductive zone.

The #3 conductor was tested by bore hole #2 at L-22+00N, 10+00E, -55° SE. The conductor is caused by a blocky shear zone at 210 feet. This zone is very weakly mineralized with pyrite.

The #4 conductor was tested by bore hole #4 at 16+00N, 7+50E, -45° SE. The conductor is explained by a shear zone and water seams. No mineralization of economic significance is associated with this conductor.

The #5 conductor was tested with bore holes #5 and #7, at L-24+00N, 7+25E, -55° SE and L-22+00N, 7+25E, -45° SE, respectively. The conductor is caused by shearing in the quartzite at 165 feet in DDH #5 and shearing on the quartzite contact at 165 feet in DDH #7. Very weak pyrite mineralization was associated with the shearing.

No mineralization of economic significance was intersected in the entire drill programme.

Geology

The geology indicates the property is underlain by sediments and volcanic formations. Two distinctive formations were traced. One formation is an amygdaloidal flow intersected in drill holes numbers 3, 6, and 8. This formation is situated in the north central portion of the property and

strikes N50°E, dipping 65° northwest. The second formation, a quartzite band, was intersected in drill holes numbers 5 and 7. This formation strikes N45°E, dipping northwest, and is situated approximately 1400 feet southwest and parallel to the amygdaloidal flow. The strike of these formations indicates a general northeast-southwest trend.

Summary & Conclusions

The drill programme conducted from June to September 1964 on the National Explorations Ltd. property of Prosser Township tested five electromagnetic conductors with eight bore holes. All the conductors, except the #1 conductor, were intersected satisfactorily.


No mineralization of economic significance was encountered in the drill programme. The minerals present were Cu, Zn, and Ag, with silver the only mineral yielding assays of interest.

The assays are:

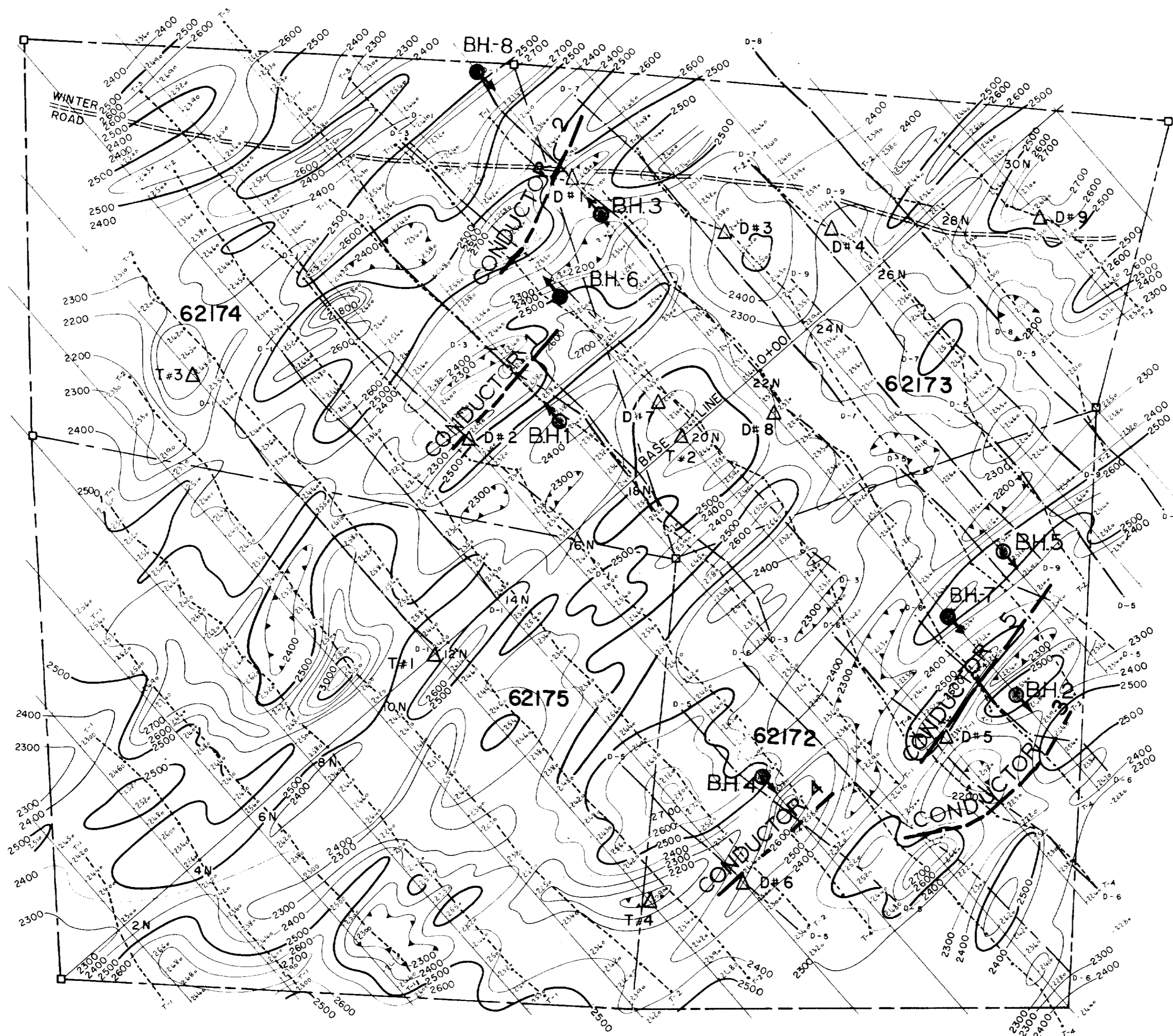
DDH No. 3	.56 oz. across 2.5 feet @ 152.5 - 155.0 feet
DDH No. 3	.52 oz. across 7.5 feet @ 320.0 - 327.5 feet
DDH No. 5	.57 oz. across 10.0 feet @ 300.0 - 310.0 feet
DDH No. 6	.45 oz. across 0.3 feet @ 307.0 - 307.3 feet
DDH No. 6	.41 oz. across 0.2 feet @ 316.0 - 316.2 feet

No further work is recommended on the property at this time. However, interesting results, if obtained, on adjacent ground may give sufficient reason to warrant further consideration.

Respectfully submitted,
SULMAC EXPLORATION SERVICES LIMITED


E. Amendolagine, B.A., M.A.
Geologist

October 14, 1964



LEGEND

MAGNETOMETER SURVEY

Contour Interval 100 gammas.

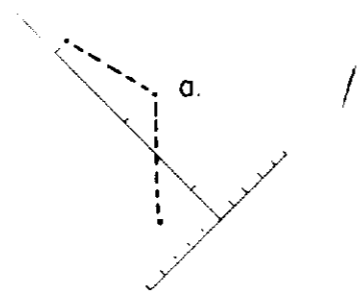
1000,500 gamma contours.

100 gamma contours.

Reading in gammas.

Magnetic Depression.

E.M. SURVEY RECONNAISSANCE



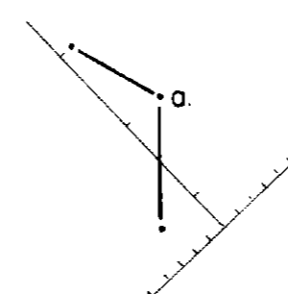
T#3

Electromagnetic transmitter location.

T-3 Transmitter location reference.

Conductor axis.

E.M. SURVEY DETAIL



D#2

D-2 Transmitter location reference.

Conductor axis.

NATIONAL EXPLORATION LIMITED

PROSSER TOWNSHIP, ONTARIO

SULMAC EXPLORATION SERVICES LIMITED.

Scale: 1"=200'

June 1964

Carl Oshkover



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