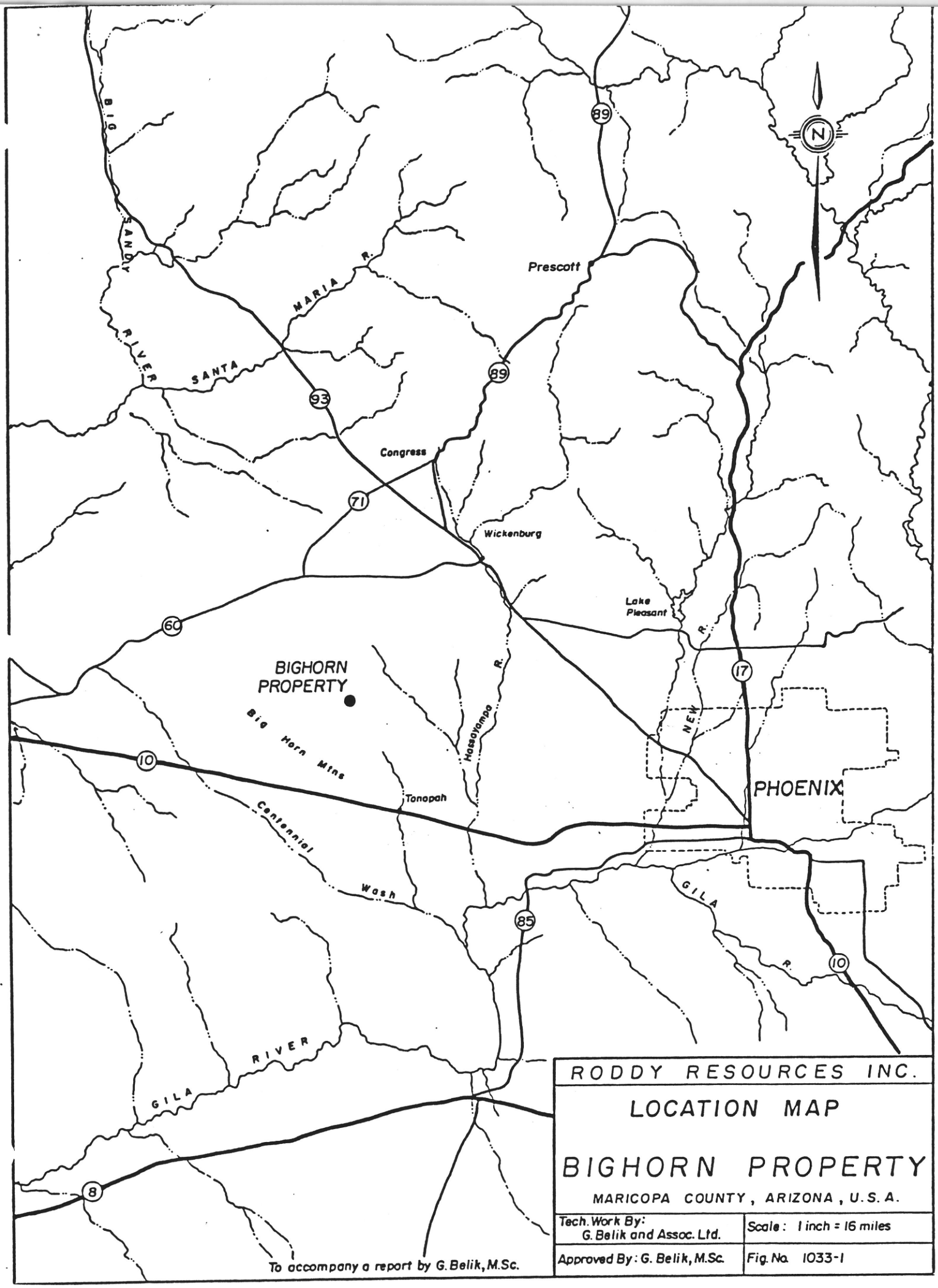


RODDY RESOURCES INC.

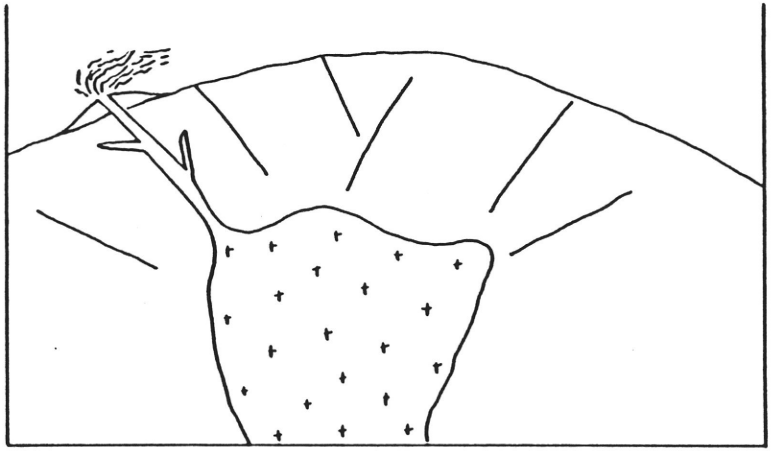
LOCATION MAP

BIGHORN PROPERTY

MARICOPA COUNTY, ARIZONA, U.S.A.

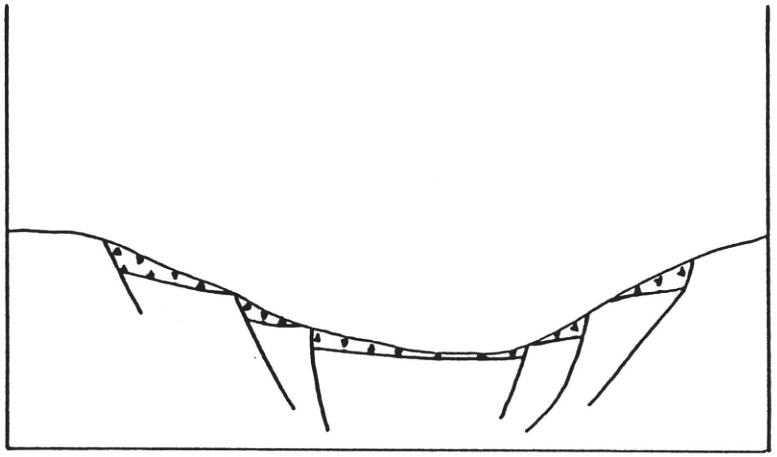
Tech. Work By: G. Belik and Assoc. Ltd.	Scale: 1 inch = 16 miles
Approved By: G. Belik, M.Sc.	Fig. No. 1033-1

To accompany a report by G. Belik, M.Sc.



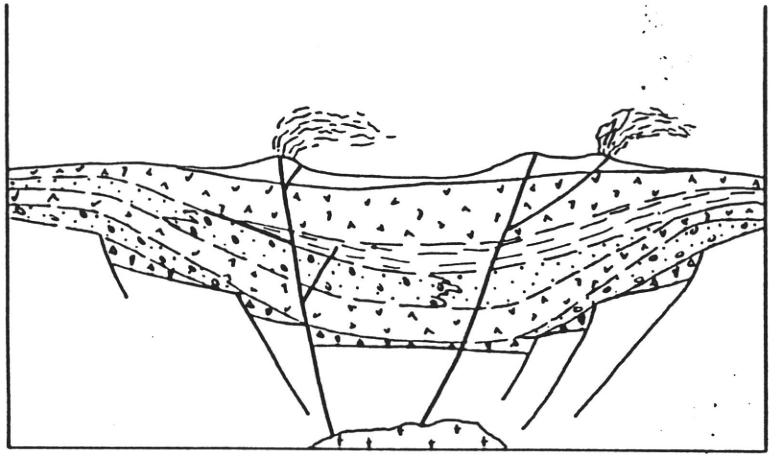
STAGE I

DOMING AND FRACTURING



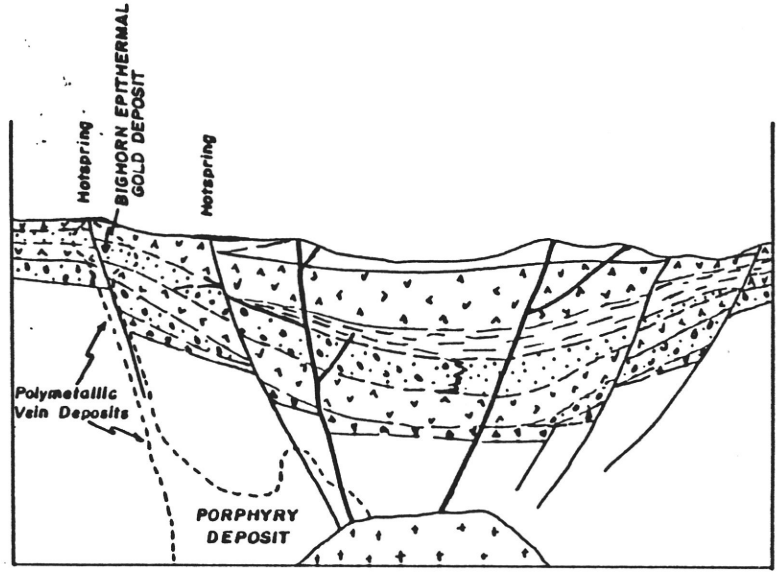
STAGE II

SUBSIDENCE FORMING COLLAPSE CALDERA



STAGE III

CYCLIC BASIC TO FELSIC VOLCANISM AND FAULTING



STAGE IV

LATE STAGE FAULTING AND ASSOCIATED HOTSPRING ACTIVITY

FIG NO. 1033-3

SIMPLIFIED SCHEMATIC ILLUSTRATION OF THE GEOLOGICAL EVOLUTION OF THE BIGHORN EPITHERMAL GOLD DEPOSIT

Appendix I

Estimated Cost of Recommended Program

Phase I

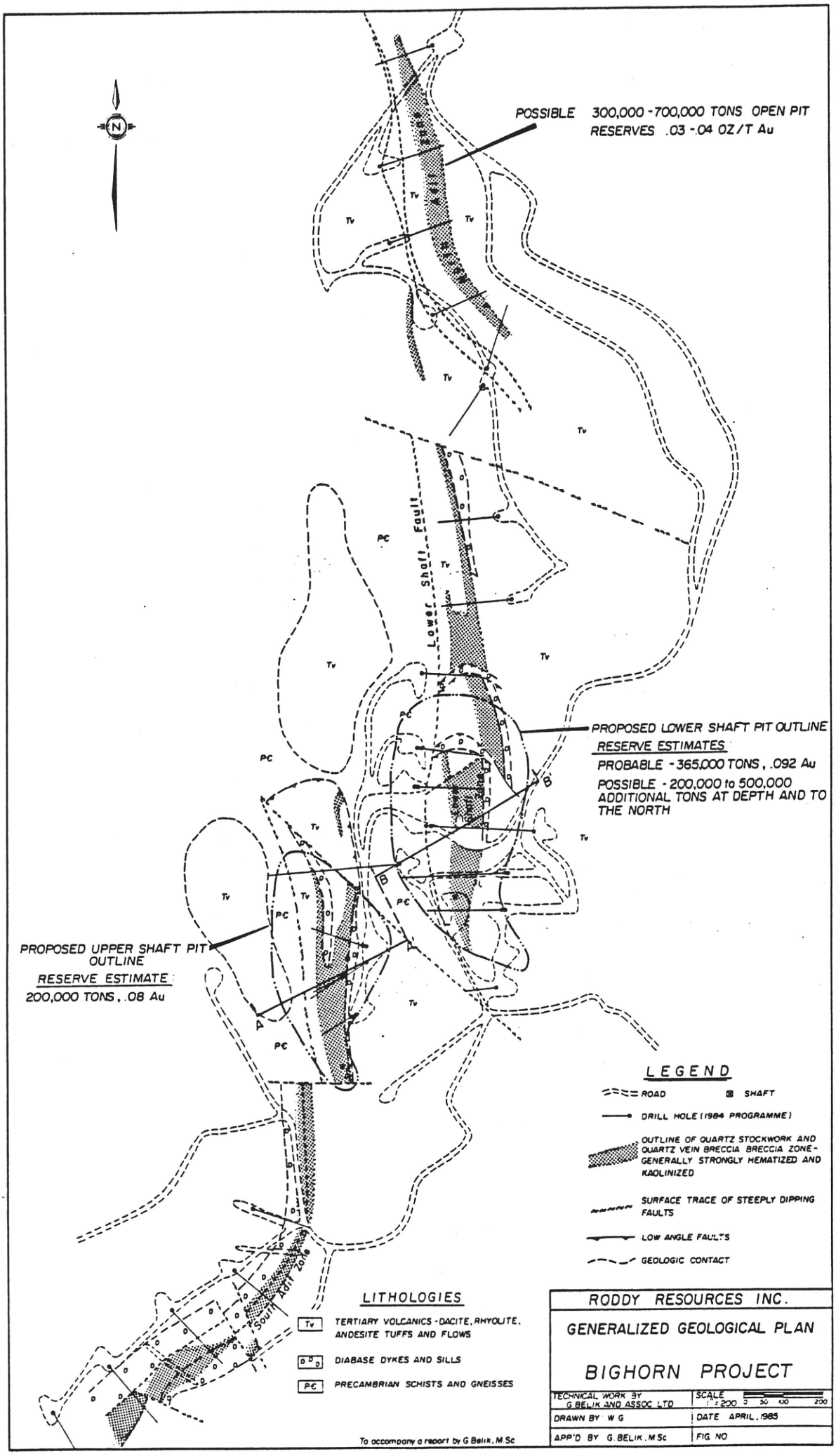
-pilot heap leach test to verify recoveries -using about 1500 tons of material (available in dumps) crushed to minus 1/4"	$ 50,000
TOTAL PHASE I	$ 50,000

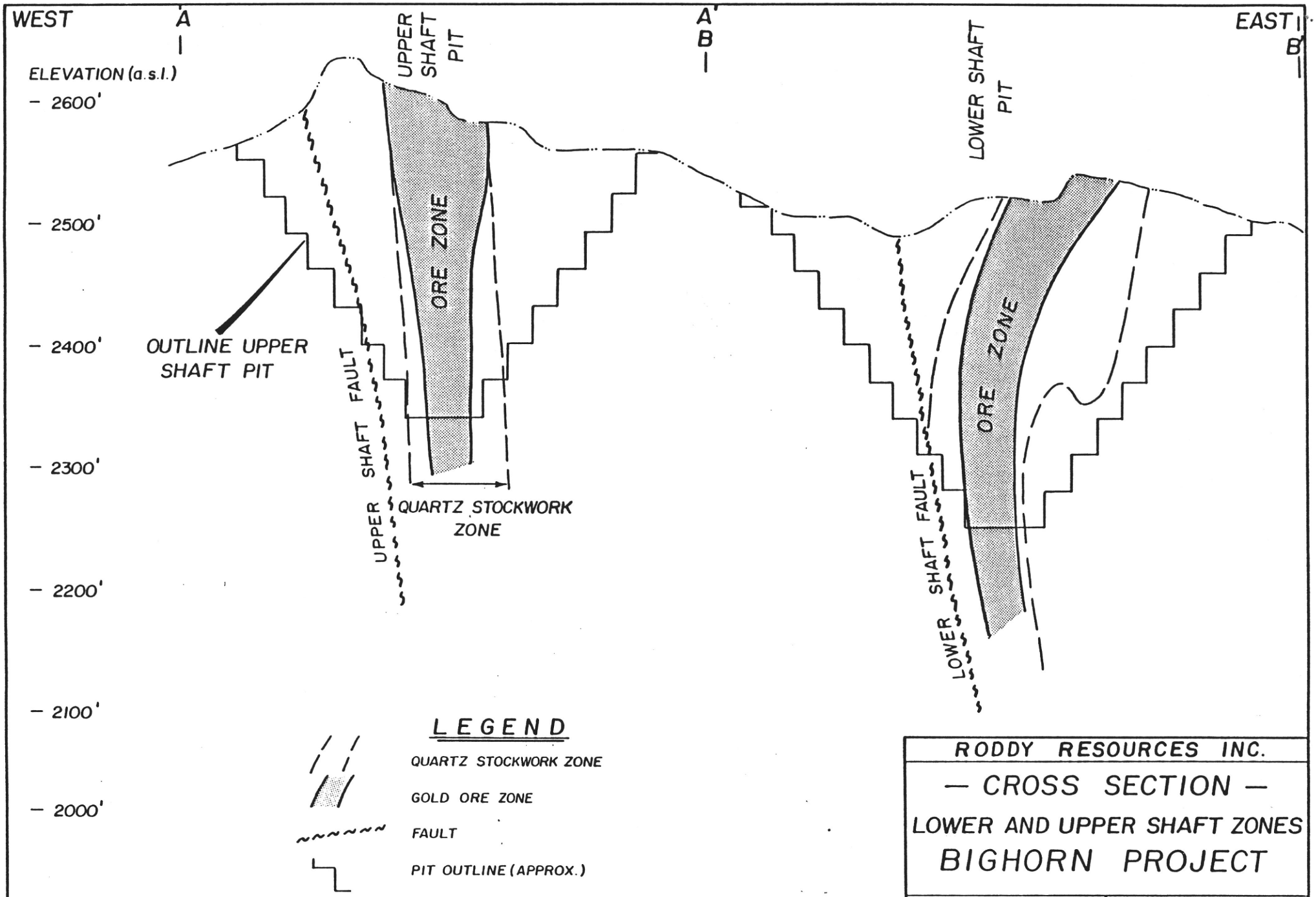
Phase II- contingent upon results of Phase I

a) surface, core and reverse circulation drilling 5000 ft. at $25/ft. all inclusive	$125,000
b) underground drilling -percussion holes to provide additional info along the 150 & 250 levels in the Lower Shaft Zone and possibly a section of holes down the Upper Shaft	25,000
c) topographic and drill hole surveys	20,000
TOTAL PHASE II	$170,000

Phase III- contingent upon results of Phases I & II

-feasibility studies	$ 80,000
TOTAL PHASE III	$ 80,000
TOTAL PROGRAM	$300,000 U.S.


N
POSSIBLE 300,000 - 700,000 TONS OPEN PIT RESERVES .03 - .04 OZ/T Au
Tv
PC
Lower Shaft Fault
PROPOSED LOWER SHAFT PIT OUTLINE
RESERVE ESTIMATES
PROBABLE - 365,000 TONS, .092 Au
POSSIBLE - 200,000 to 500,000 ADDITIONAL TONS AT DEPTH AND TO THE NORTH
PROPOSED UPPER SHAFT PIT OUTLINE
RESERVE ESTIMATE
200,000 TONS, .08 Au
A
B
South Adit Zone
LEGEND
ROAD
SHAFT
DRILL HOLE (1984 PROGRAMME)
OUTLINE OF QUARTZ STOCKWORK AND QUARTZ VEIN BRECCIA BRECCIA ZONE - GENERALLY STRONGLY HEMATIZED AND KAOLINIZED
SURFACE TRACE OF STEEPLY DIPPING FAULTS
LOW ANGLE FAULTS
GEOLOGIC CONTACT
LITHOLOGIES
Tv TERTIARY VOLCANICS - DACITE, RHYOLITE, ANDESITE TUFFS AND FLOWS
DIABASE DYKES AND SILLS
PC PRECAMBRIAN SCHISTS AND GNEISSES
To accompany a report by G Belik, M Sc
RODDY RESOURCES INC.
GENERALIZED GEOLOGICAL PLAN
BIGHORN PROJECT
TECHNICAL WORK BY G BELIK AND ASSOC LTD
SCALE 1:200 0 50 100 200
DRAWN BY W G
DATE APRIL, 1985
APP'D BY G. BELIK, M Sc
FIG NO



RODDY RESOURCES INC.

— CROSS SECTION —

LOWER AND UPPER SHAFT ZONES

BIGHORN PROJECT

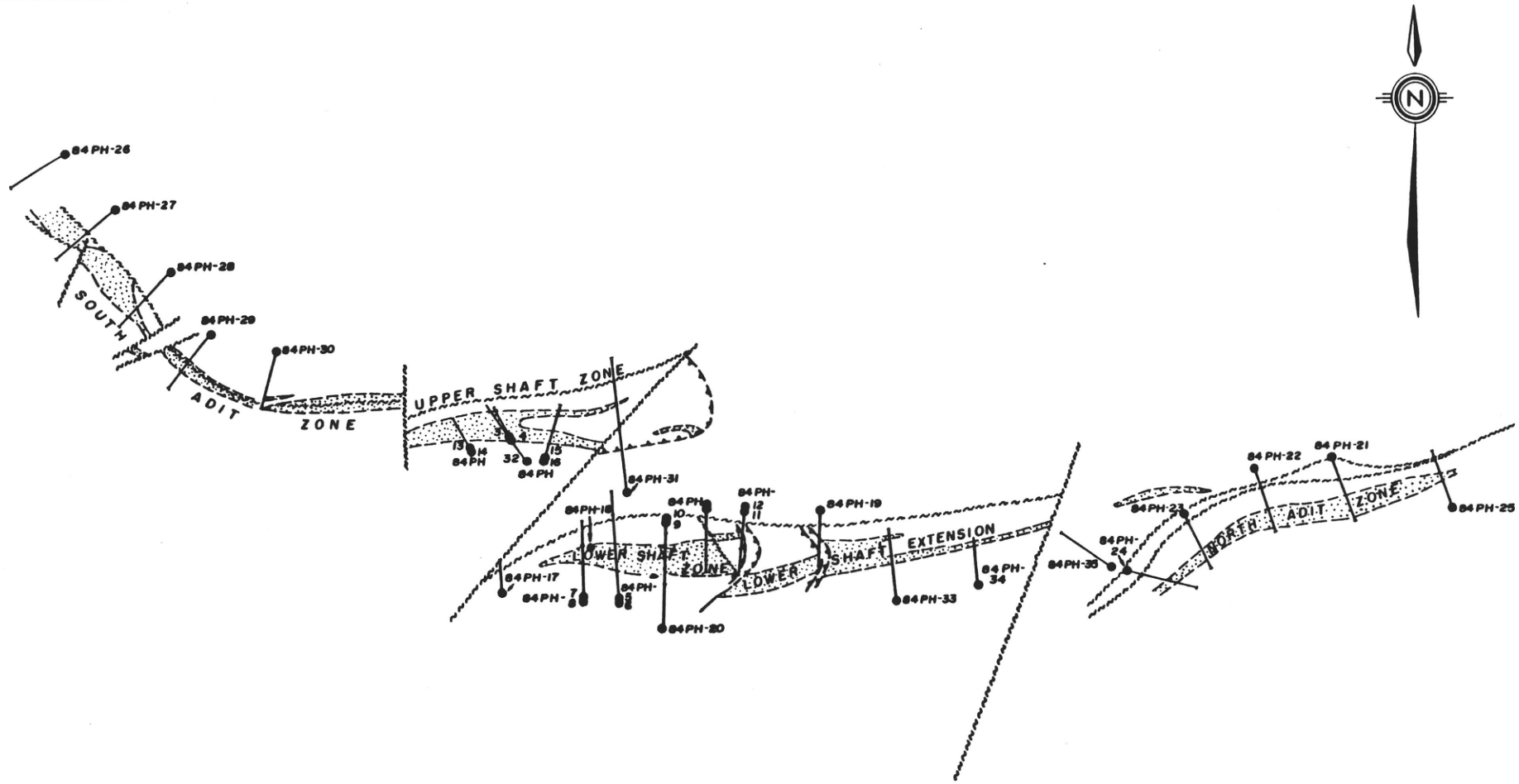
TECHNICAL WORK BY:	SCALE - 1" = 100'
DRAWN BY: W.G (APR/85)	FIG. NO.

To accompany a report by G. Belik, M.Sc.

RODDY RESOURCES INC.
1984 DRILL HOLE SUMMARY
BIGHORN PROJECT
MARICOPA COUNTY, ARIZONA

Hole #	Interval	Core Length	Oz/ton Gold (uncut)	
84PH-1	70-120	50 Ft.	0.116	(incl. 20' 0.186)
2	140-185	45 Ft.	0.012	
3	5-75	70 Ft.	.075	(incl. 5' .410)
4	0-120	120 Ft.	.092	(incl. 30' 0.179 & 15' 0.226)
5	70-90	20 Ft.	.031	
	165-205	40 Ft.	.070	
6	120-135	15 Ft.	.054	
	230-245	15 Ft.	.044	
7	130-150	20 Ft.	.030	
8	Weakly Mineralized			
9	85-190	105 Ft.	.020	
10	150-220	70 Ft.	.055	(incl. 15' 0.117)
	or 135-225	90 Ft.	.047	
11	120-170	50 Ft.	.037	
12	195-250	55 Ft.	.016	
13	60-65	5 Ft.	.096	
14	90-130	40 Ft.	.017	
15	100-125	25 Ft.	.047	
16	90-175	85 Ft.	.020	.019*
	175-225	50 Ft.	.177	.170* (incl. 15' .246 & 10' .309)
	or 90-225	135 Ft.	.078	
17	No Mineralization			
18	10-50	40 Ft.	.058	
	50-110	60 Ft.	.022	
	or 10-110	100 Ft.	.037	
19	105-170	65 Ft.	.020	.019*
	170-220	50 Ft.	.092	(incl. 20' 0.171)
	220-310	90 Ft.	.027	
	or 105-310	205 Ft.	.041	
20	390-410	20 Ft.	.094	
	410-425	15 Ft.	.032	
	or 390-425	35 Ft.	.068	
21	200-245	45 Ft.	.037	.041*
22	240-265	25 Ft.	.038	
23	230-270	40 Ft.	.036	
24	220-235	15 Ft.	.061	
	or 190-245	55 Ft.	.028	
25	85-115	30 Ft.	.021	
	185-210	25 Ft.	.022	
26-31	Missed zone, faulted off			
32	205-225	20 Ft.	.067	
	or 160-230	70 Ft.	.033	
33-35	Weakly mineralized over wide intervals			

* Check assays at a different laboratory.



RODDY RESOURCES INC.

DRILL HOLE LOCATION PLAN

BIGHORN PROJECT

MARICOPA COUNTY, ARIZONA, U.S.A.

~~~~~~~ Steeply dipping faults

Low angle faults

SCALE 1" = 400'

0' 100' 200' 400' 800'

Outline of quartz stockwork and quartz vein breccia zone

84 PH-29 Drill hole location with surface projection
~~~~~~~

NICOR MINERAL VENTURES

One of the NICOR basic energy companies

MEMORANDUM

To: Clancy Wendt

From: Gary A. Parkison

Date: June 14, 1984

Subject: Roddy Resources - U.S. Mine, Bighorn District, Maricopa County, Arizona

Roddy Resources has a lease/option agreement with E.D. Black and Associates covering the Furlough 1-10 patented claims, otherwise known as the U.S. Mine. The U.S. Mine is located in the north-eastern Bighorn Mountains about 25 miles southwest of Wickenburg. Much information has been generated by Roddy Resources and is on file so that only the highlights will be presented here.

The property has had very little past production from both surface cuts and two shafts. Since acquiring the property in January 1984, Roddy has spent approximately $700,000 (U.S.) in mapping, extensive surface sampling, underground rehabilitation and sampling, and about 9840 feet of reverse-circulation drilling.

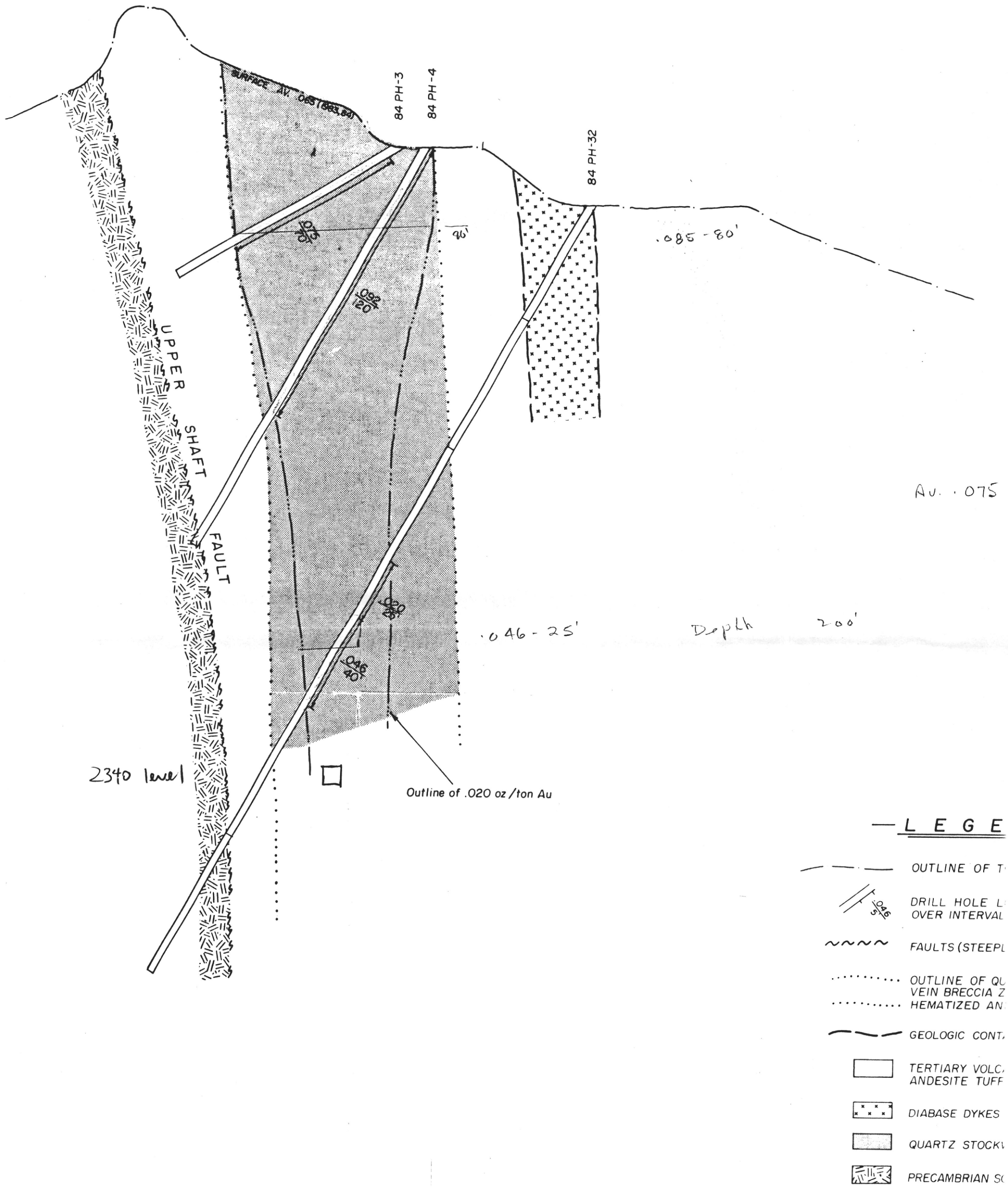
Gold-silver mineralization is hosted in a north-south trending steeply east-dipping zone hosted in Tertiary volcanic rocks. The zone takes the form of a brecciated, silicified and quartz stockwork zone up to about 130 feet wide at the surface. The mineralization appears to be epithermal in nature. The zone can be traced for about 4,000 feet along strike but is cut by several northwest trending cross faults.

Roddy has estimated probable ore reserves of 565,000 tons at a grade of .09 opt gold and .25 opt silver for a total of 50,850 ounces of gold. This would be open-pittable with up to 3.5:1 waste: ore ratio down to the 250 foot level. Column leach tests on 1/4" minus material gives 70% gold recoveries in 72 hours.

A very rough evaluation of possible ore reserves with similar parameters gives a total of 847,400 tons at .063 opt gold in the lower and upper shaft zones and a total of 315,300 tons @ .05 opt gold in the north and south adit zones with total reserves of 1,162,700 tons at .06 opt gold giving a total of 69,215 contained ounces. This figure is quite optimistic for open-pit reserves but does not include possible underground mining of spotty ore shoots which grade to over 1 opt gold over five foot widths.

The total gold reserve does not appear to warrant further interest by NICOR at this time. The property may have enough reserve potential for a small mining company however. With a proven reserve of 500,000 tons of .08 opt gold and a capital cost to production of $2,000,000 a favorable rate of return should be realized which could be quite attractive for a small company.

7

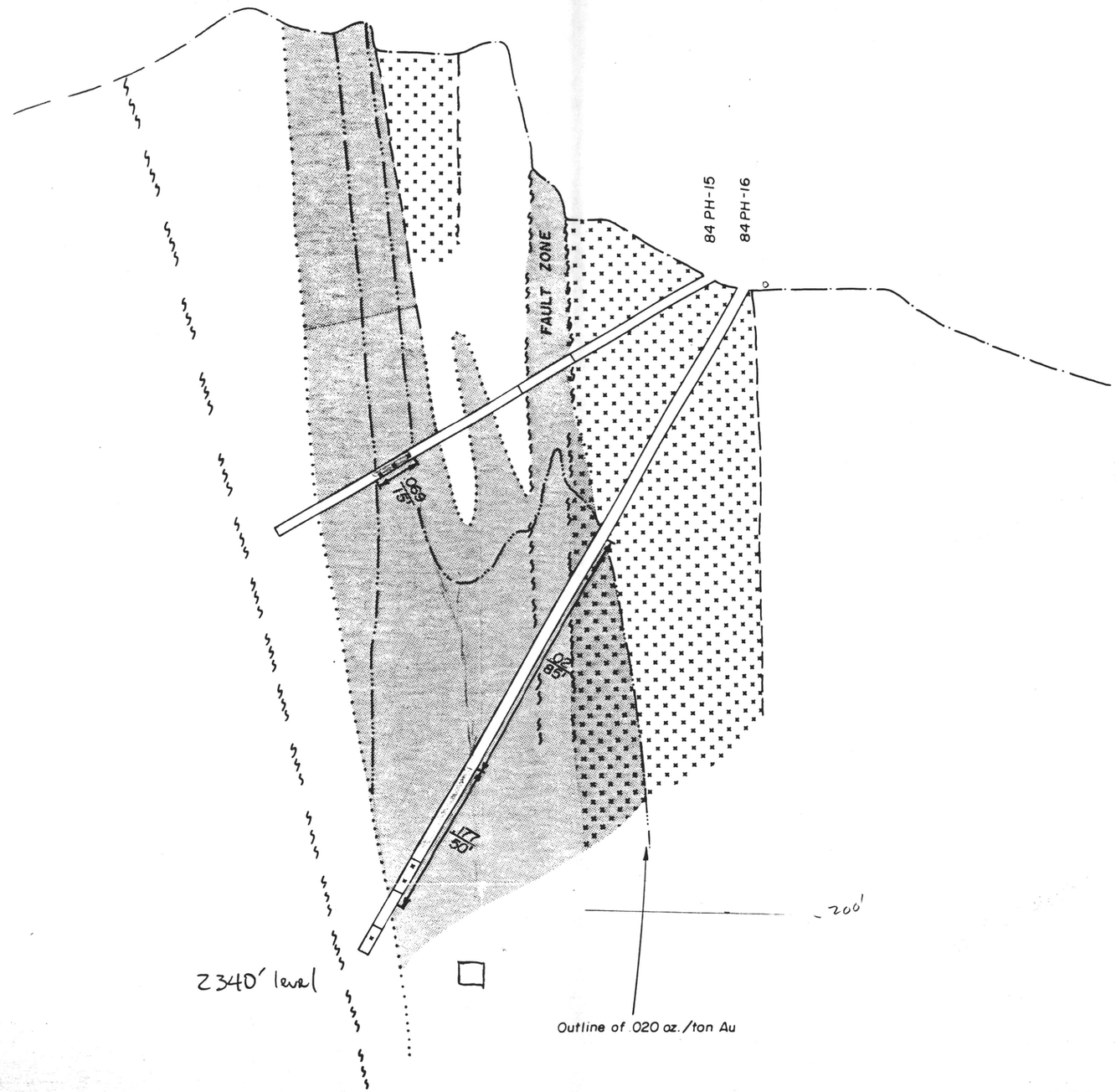

SURFACE AV. .065 (583,84)
84 PH-3
84 PH-4
84 PH-32
.085 - 80'
.092/120
.020/25
.046/40
.046 - 25'
Depth 200'
Au. .075
UPPER SHAFT FAULT
2340 level
Outline of .020 oz/ton Au
LEGE
OUTLINE OF T
DRILL HOLE L
OVER INTERVAL
FAULTS (STEEPL
OUTLINE OF QU
VEIN BRECCIA Z
HEMATIZED AN
GEOLOGIC CONT
TERTIARY VOLC
ANDESITE TUFF
DIABASE DYKES
QUARTZ STOCK
PRECAMBRIAN S
RODDY RESO
CROSS S
(84 PH-3
(UPPER SH
BIGHORN
TECH WORK BY: G BELIK AND ASSOCIATES LTD.
DRAWN BY: G B
APPROVED BY: G BELIK, M Sc

WEST

EAST

6

(a.s.l.)

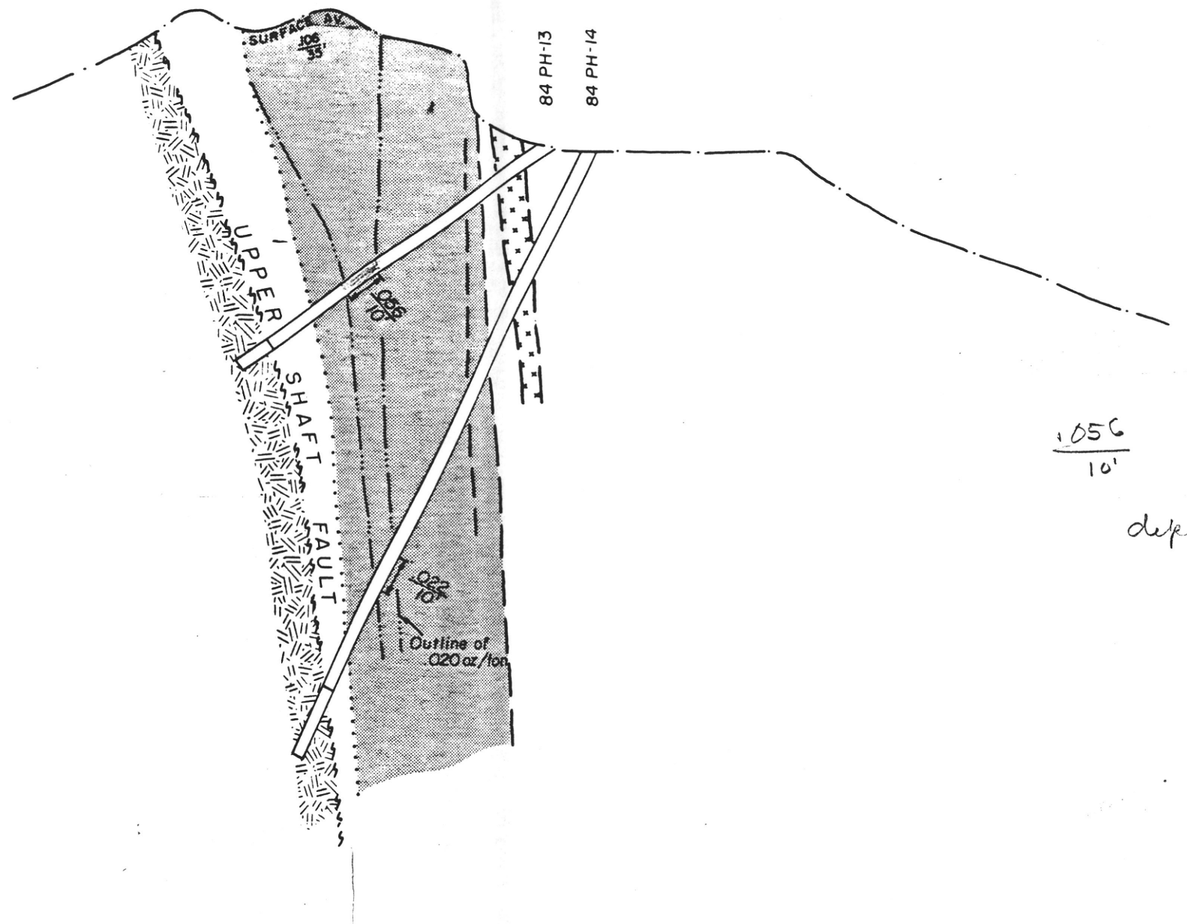


	T.W.	Au
.069	12.0'	.146
.177	30'	21'

Depth 200'

LEGEND

- OUTLINE OF TOPOGRAPHY
- .046 / 5' — DRILL HOLE LOCATION - ASSAY IN OZ./TON OVER INTERVAL IN FEET
- FAULTS (STEEPLY DIPPING)
- OUTLINE OF QUARTZ STOCKWORK AND QUARTZ VEIN BRECCIA ZONE - GENERALLY STRONGLY HEMATIZED AND KAOLINIZED.
- GEOLOGIC CONTACT



LEGEND

OUTLINE OF TOPOGRAPHY

.046
5'
DRILL HOLE LOCATION - ASSAY IN OZ/TON
OVER INTERVAL IN FEET

FAULTS (STEEPLY DIPPING)

OUTLINE OF QUARTZ
VEIN BRECCIA ZONE STOCKWORK AND QUARTZ
HEMATITIZED AND KAOLINIZED GENERALLY STRONGLY
MINERALIZED

GEOLOGIC CONTACT

WEST

EAST

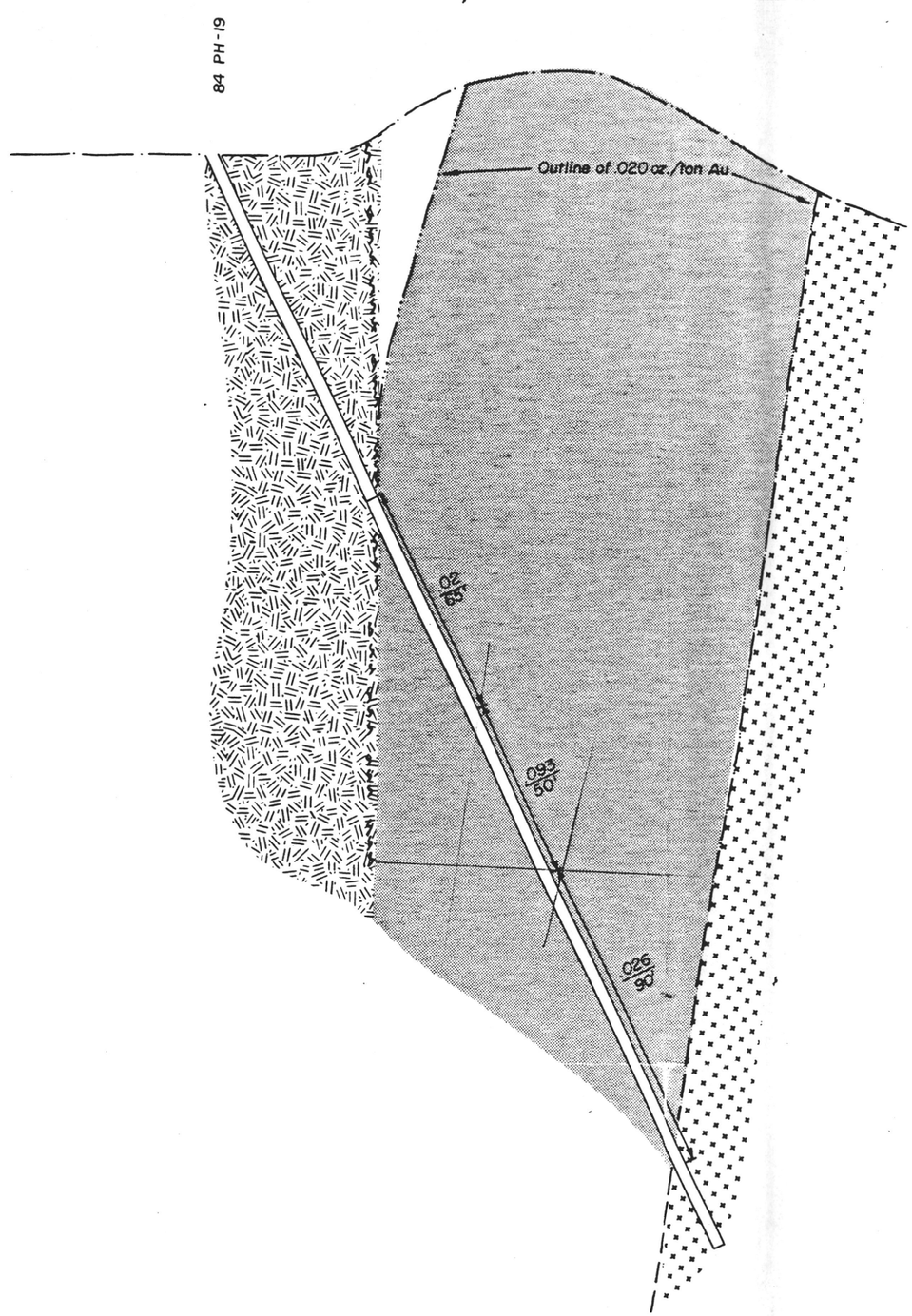
ion (a.s.l.)

00'

00'

00'

00'



LEGEND

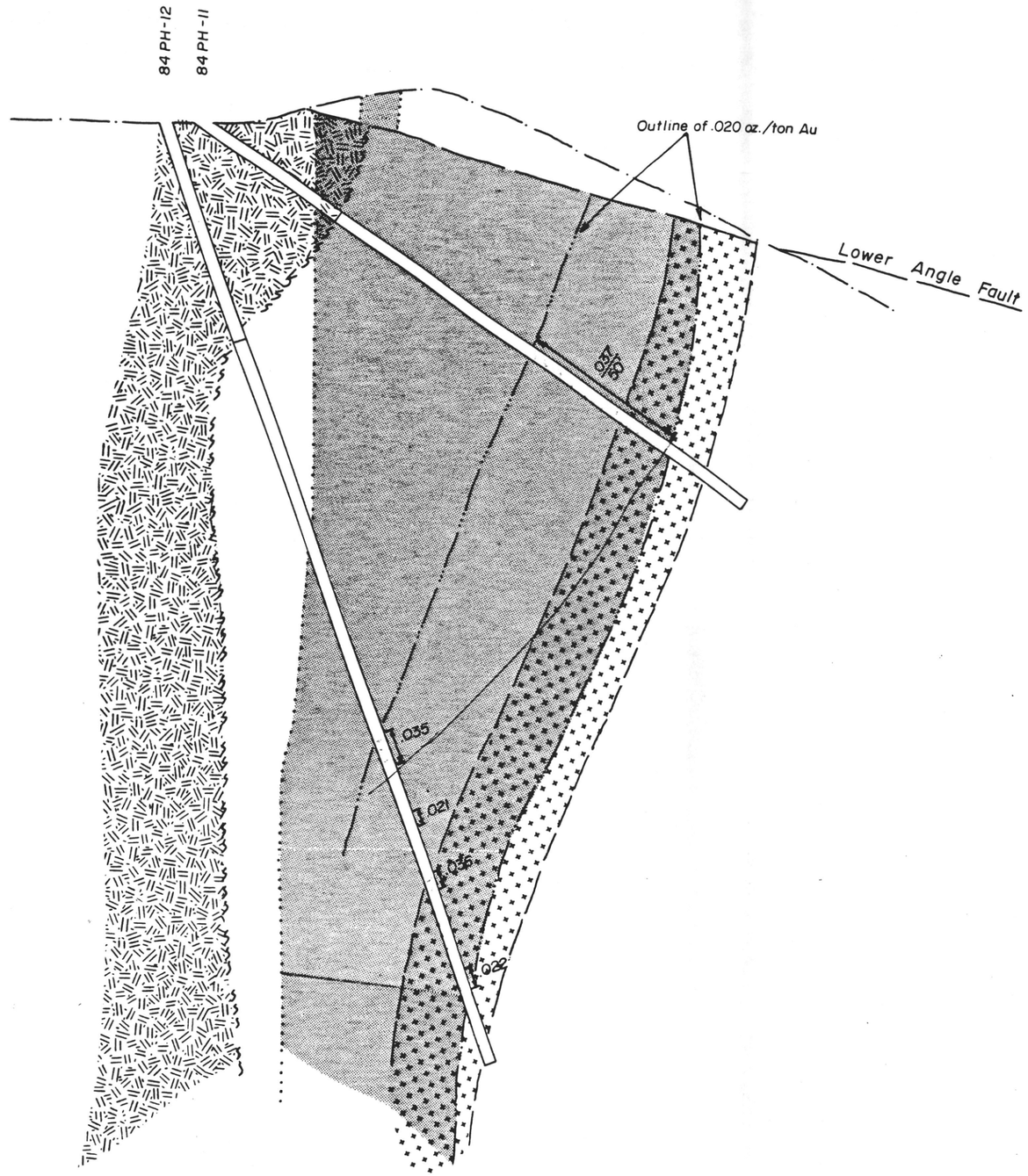
OUTLINE OF TOPOGRAPHY

.046/5 DRILL HOLE LOCATION - ASSAY IN OZ/TON OVER INTERVAL IN FEET

FAULTS (STEEPLY DIPPING)

OUTLINE OF QUARTZ STOCKWORK AND QUARTZ VEIN BRECCIA ZONE - GENERALLY STRONGLY HEMATIZED AND KAOLINIZED

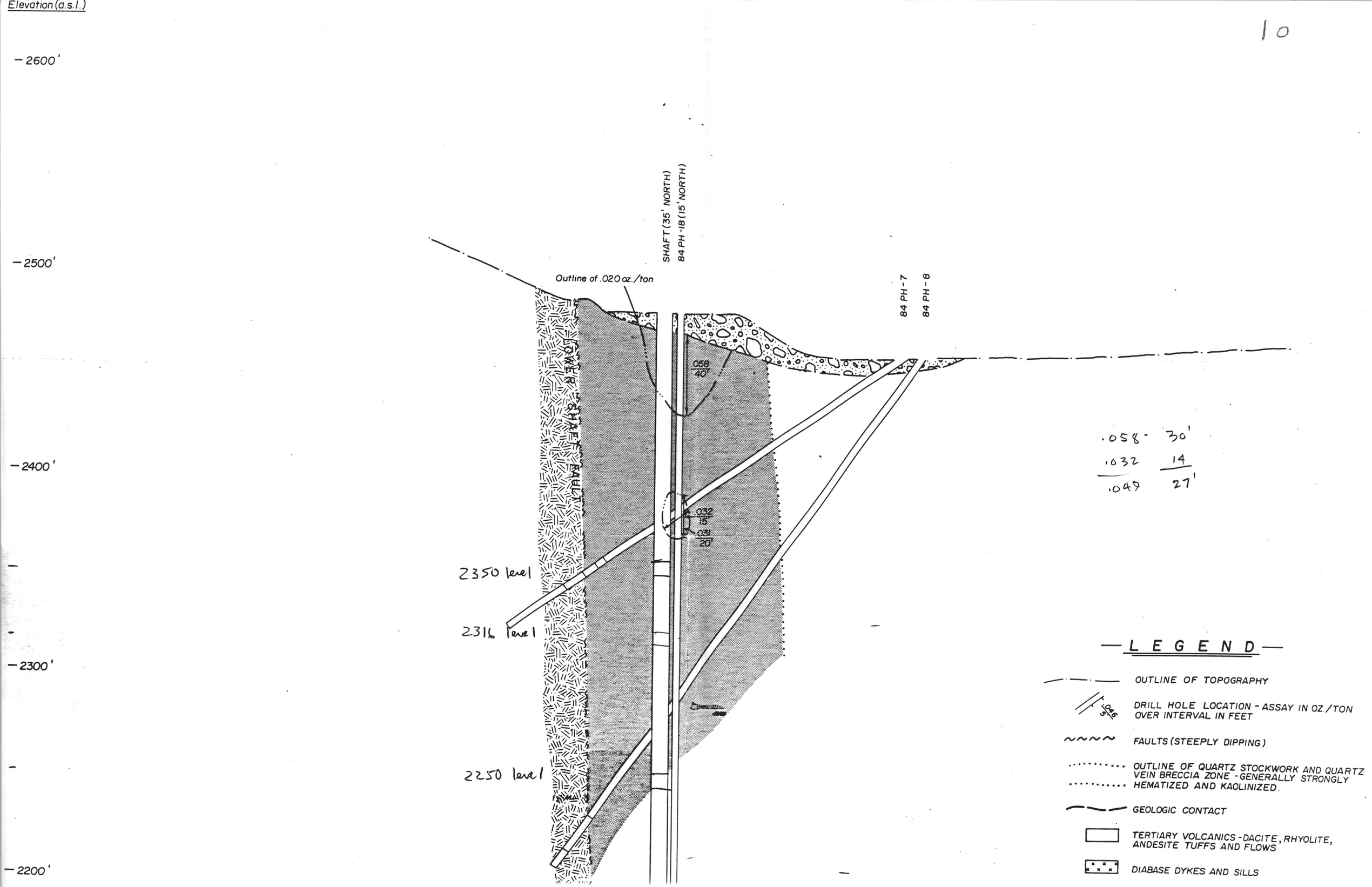
GEOLOGIC CONTACT



.037 - 48'
.036 - 10'

—LEGEND—

- OUTLINE OF TOPOGRAPHY
- DRILL HOLE LOCATION - ASSAY IN OZ./TON OVER INTERVAL IN FEET
- FAULTS (STEEPLY DIPPING)
- OUTLINE OF QUARTZ STOCKWORK AND QUARTZ VEIN BRECCIA ZONE - GENERALLY STRONGLY HEMATIZED AND KAOLINIZED.
- GEOLOGIC CONTACT
- TERTIARY VOLCANICS - DACITE, RHYOLITE, ANDESITE TUFFS AND FLOWS
- DIABASE DYKES AND SILLS


Elevation (a.s.l.)
-2600'
-2500'
-2400'
-2300'
-2200'
SHAFT (35' NORTH)
84 PH-18 (15' NORTH)
Outline of .020 oz./ton
84 PH-7
84 PH-8
LOWER SHAFT
.058
40'
.032
15
.031
20'
2350 level
2316 level
2250 level
.058 - 30'
.032 14
.049 27'
LEGEND
OUTLINE OF TOPOGRAPHY
DRILL HOLE LOCATION - ASSAY IN OZ/TON OVER INTERVAL IN FEET
FAULTS (STEEPLY DIPPING)
OUTLINE OF QUARTZ STOCKWORK AND QUARTZ VEIN BRECCIA ZONE - GENERALLY STRONGLY HEMATIZED AND KAOLINIZED.
GEOLOGIC CONTACT
TERTIARY VOLCANICS - DACITE, RHYOLITE, ANDESITE TUFFS AND FLOWS
DIABASE DYKES AND SILLS

13,14 - 100' × 35' × .08 × 120' = 32,300 @ .08 = 2,585

3,4,32 - 150' × 80' × .07 × 120' = 110,900 @ .07 = 7,756

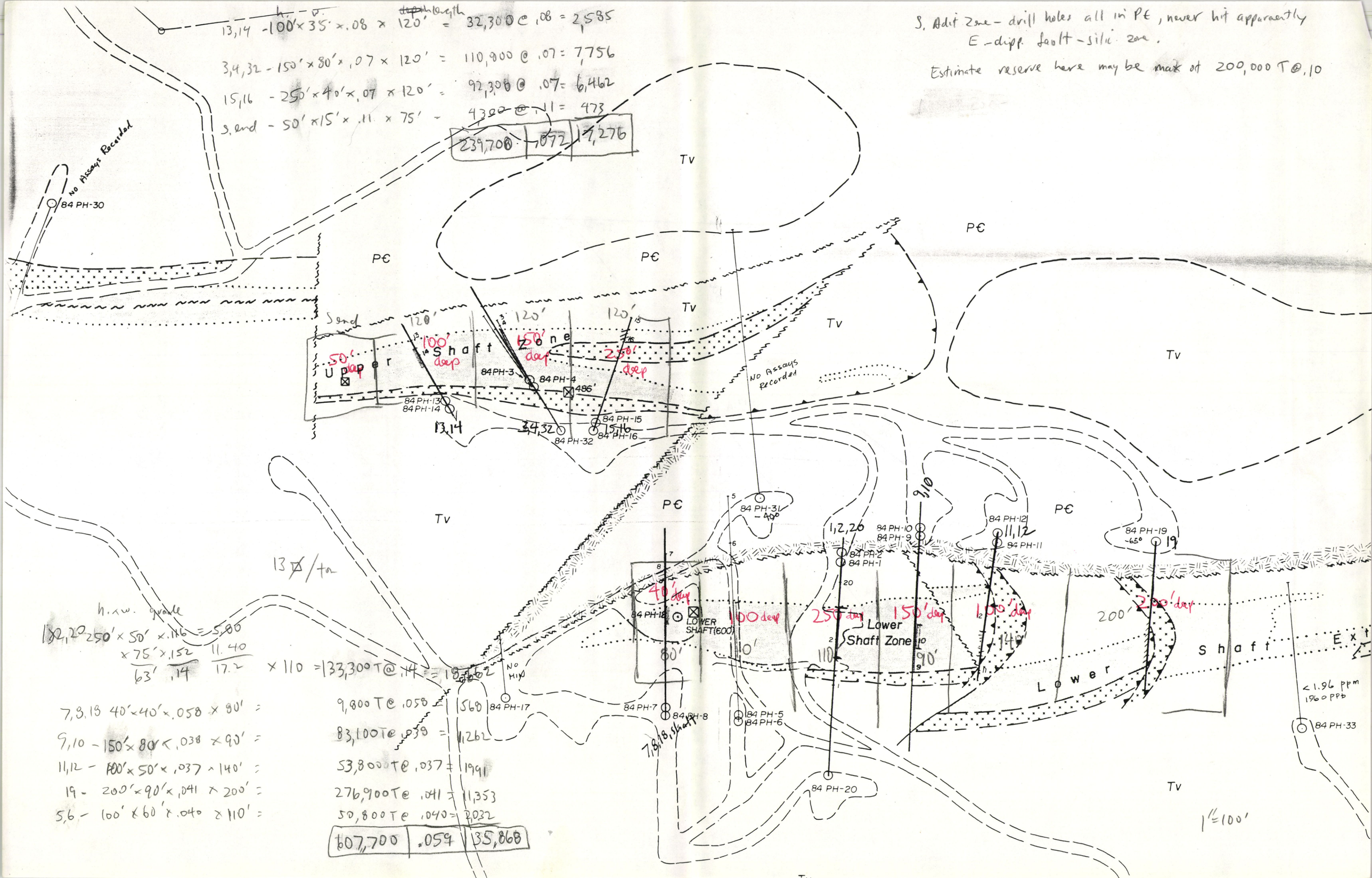
15,16 - 250' × 40' × .07 × 120' = 92,300 @ .07 = 6,462

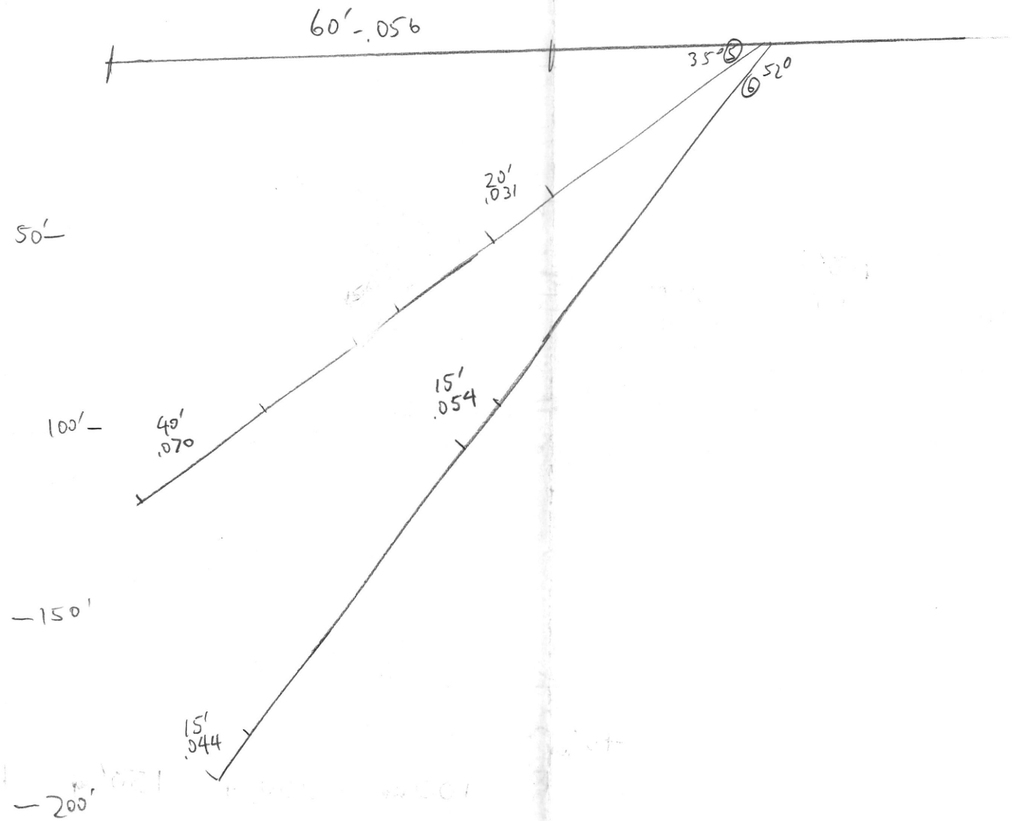
S. end - 50' × 15' × .11 × 75' = 4,300 @ .11 = 473

239,700	.072	17,276

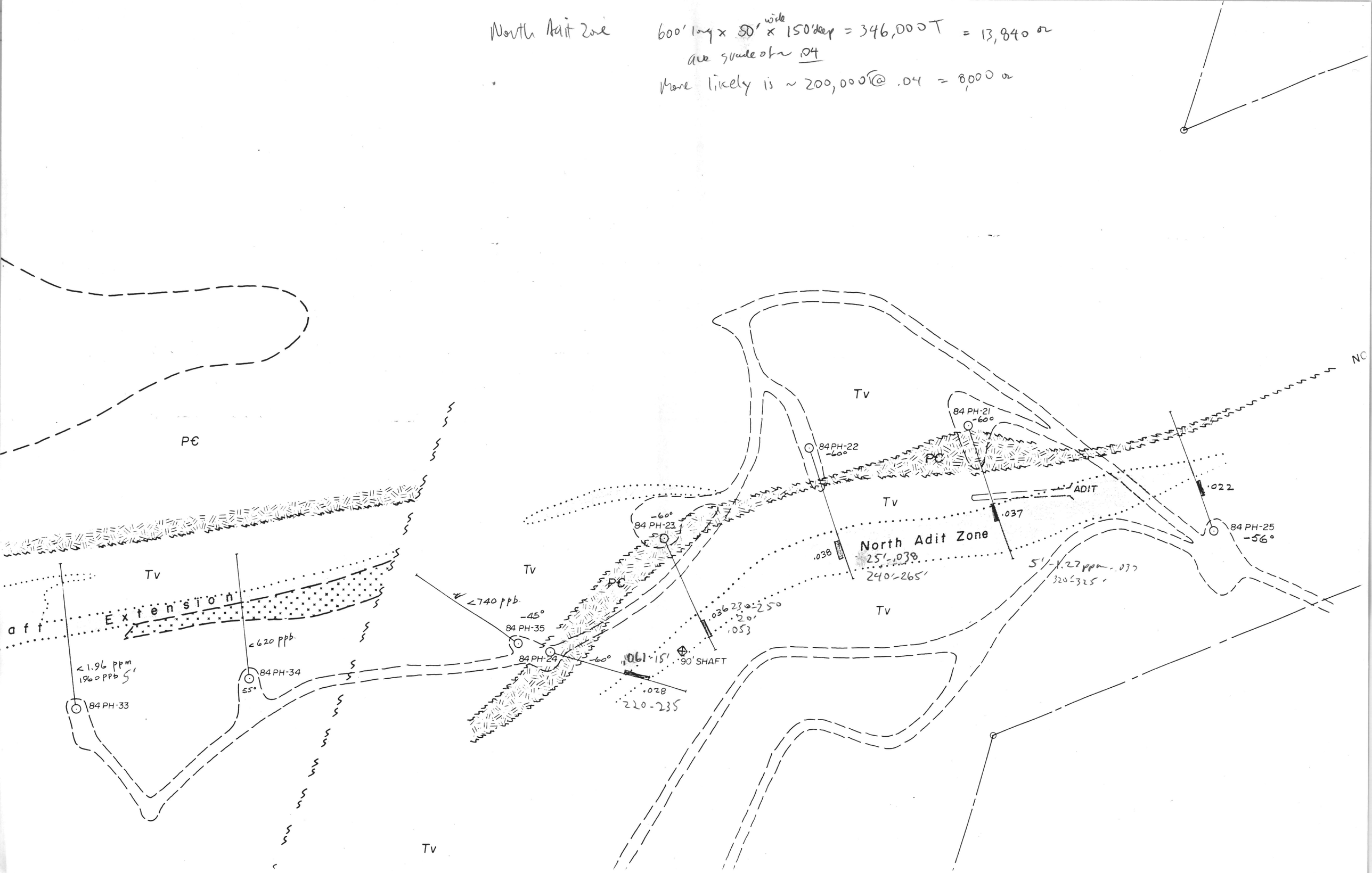
S. Adit Zone - drill holes all in P€, never hit apparently E-dipp. fault - silic. zone.

Estimate reserve here may be max of 200,000 T @ .10

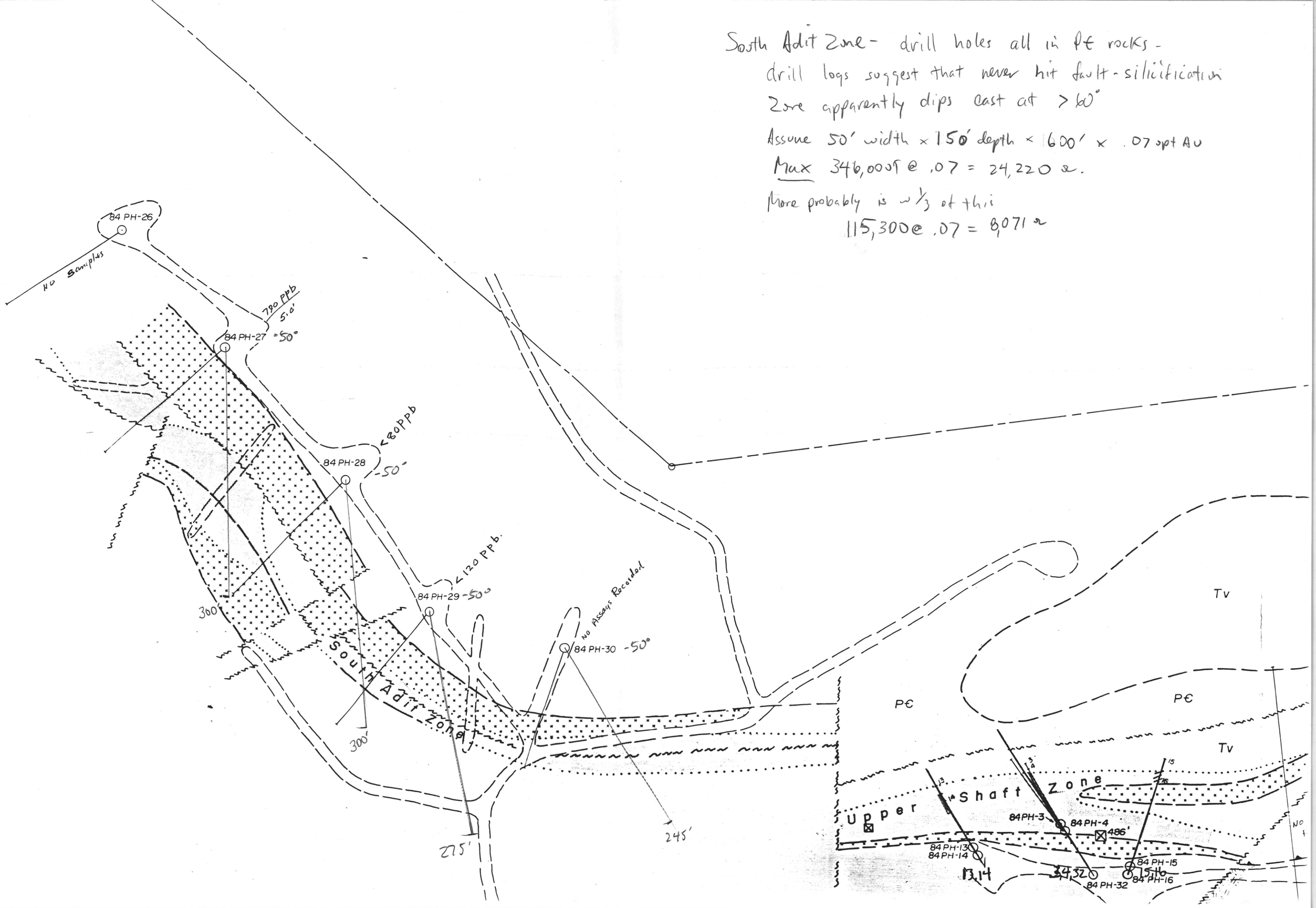


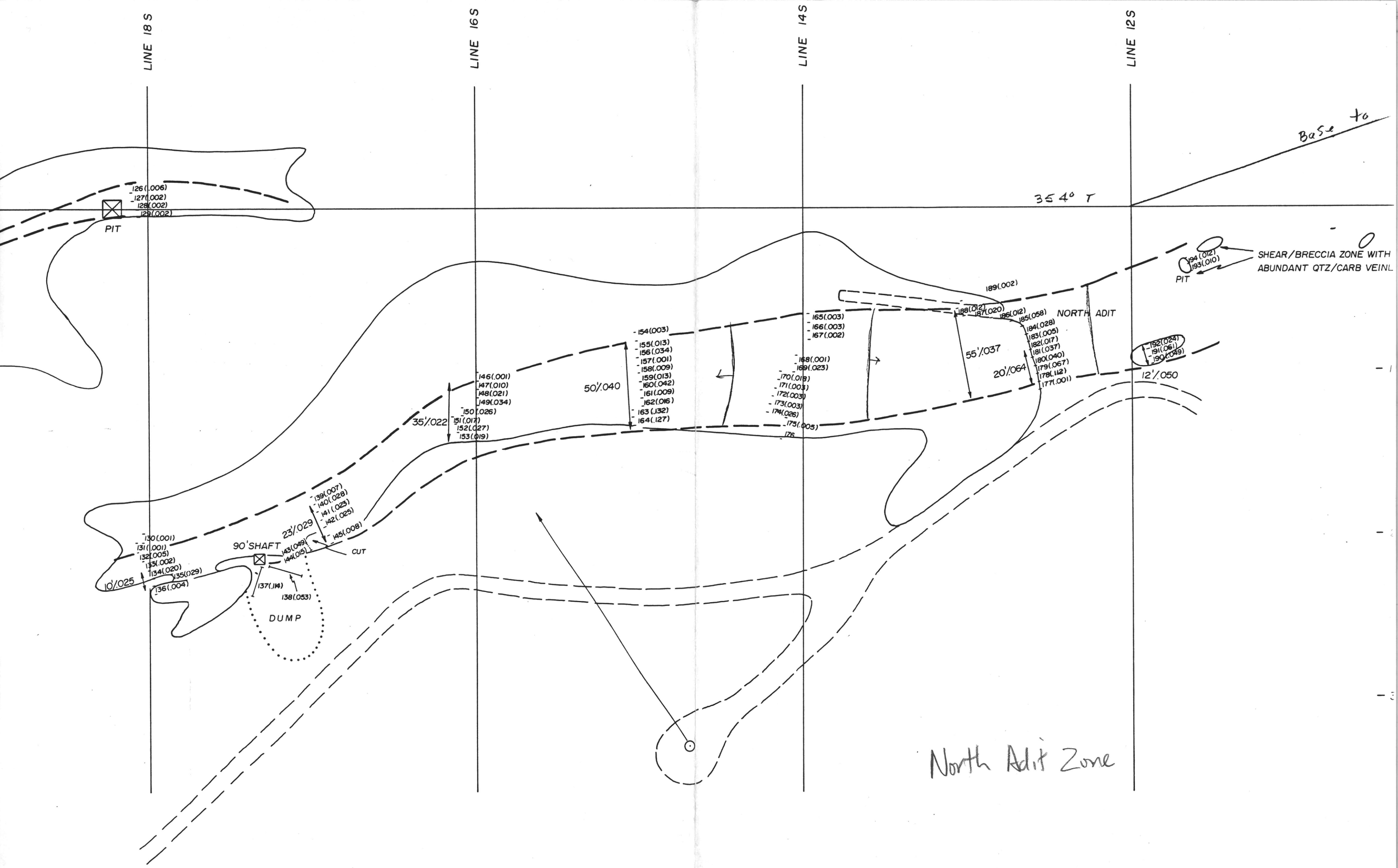

60'-.056
35°
52°
20'
.031
50'
15'
.054
100'
40'
.070
150'
15'
.044
200'

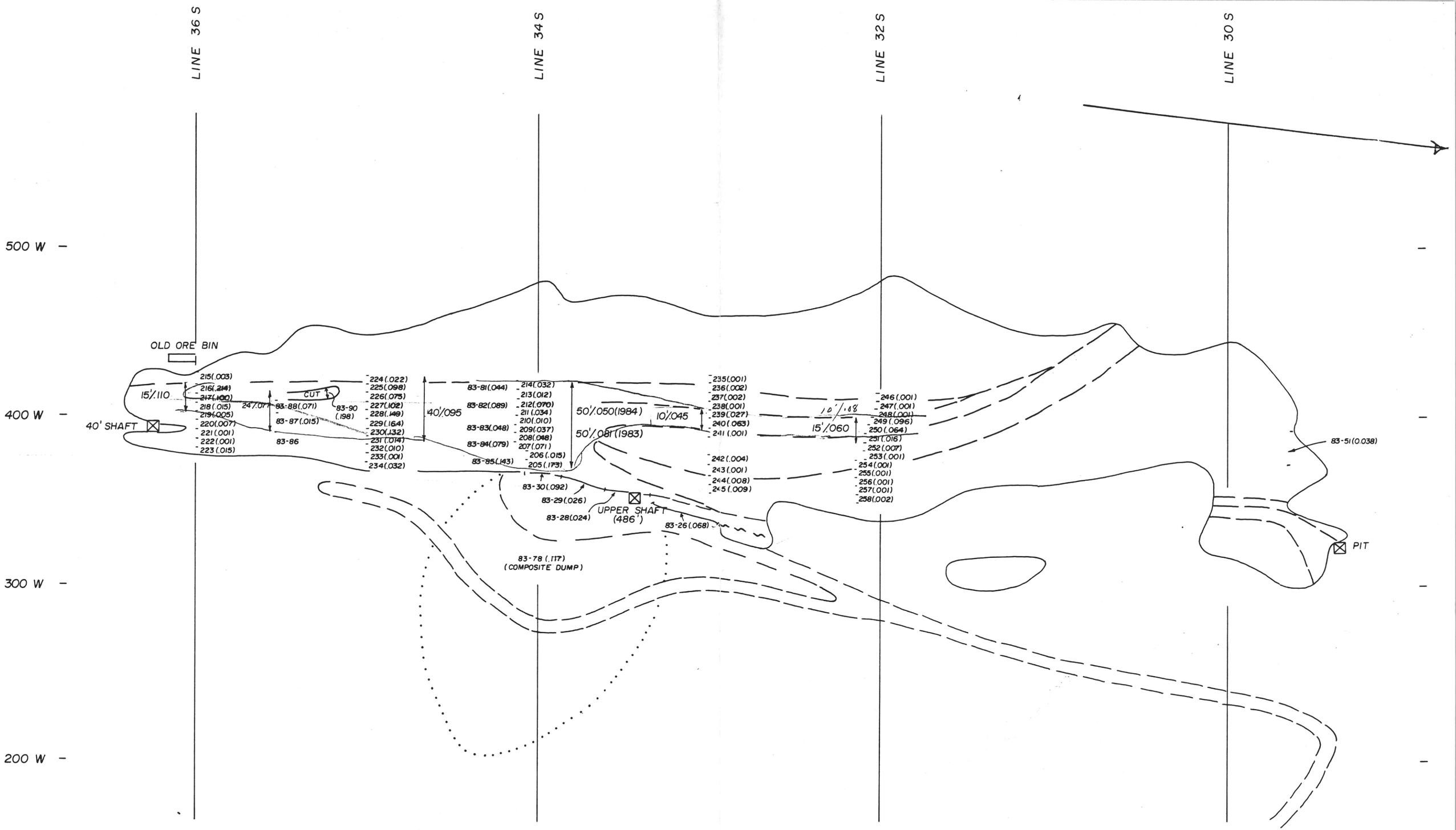
North Adit Zone 600' long x 50' wide x 150' deep = 346,000 T = 13,840 oz
ave grade of .04
more likely is ~ 200,000 T @ .04 = 8,000 oz

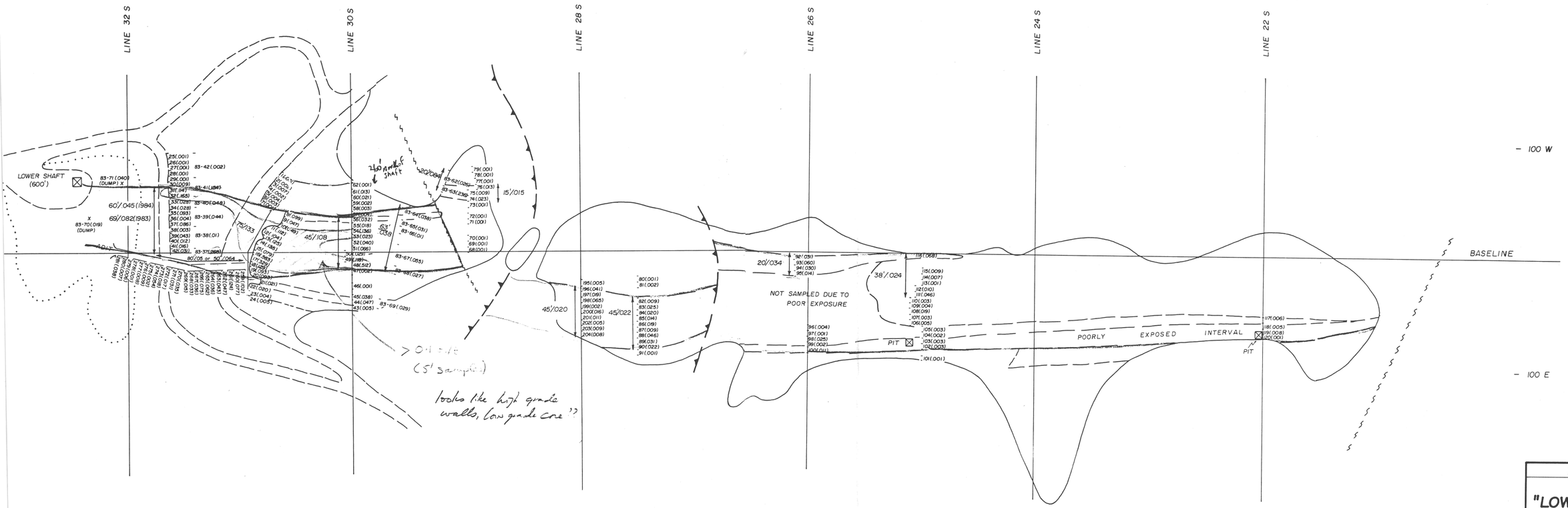


South Adit Zone - drill holes all in Pt rocks -
drill logs suggest that never hit fault - silicification
Zone apparently dips east at > 60°
Assume 50' width × 150' depth × 600' × .07 opt Au
Max 346,000 T @ .07 = 24,220 oz.
More probably is ~ 1/3 of this
115,300 @ .07 = 8,071 oz




LINE 18 S
LINE 16 S
LINE 14 S
LINE 12 S
Base to
354° T
PIT
126(.006)
127(.002)
128(.002)
129(.002)
SHEAR/BRECCIA ZONE WITH
ABUNDANT QTZ/CARB VEINL
194(.012)
193(.010)
PIT
189(.002)
188(.012)
187(.020)
186(.012)
185(.058)
NORTH ADIT
184(.028)
183(.005)
182(.017)
181(.037)
180(.040)
179(.067)
178(.112)
177(.001)
55'/.037
20'/.064
192(.024)
191(.061)
190(.049)
12'/.050
165(.003)
166(.003)
167(.002)
168(.001)
169(.023)
170(.013)
171(.003)
172(.003)
173(.003)
174(.026)
175(.005)
176
154(.003)
155(.013)
156(.034)
157(.001)
158(.009)
159(.013)
160(.042)
161(.009)
162(.016)
163(.132)
164(.127)
50'/.040
146(.001)
147(.010)
148(.021)
149(.034)
150(.026)
151(.017)
152(.027)
153(.019)
35'/.022
139(.007)
140(.028)
141(.023)
142(.025)
145(.008)
23'/.029
143(.049)
144(.015)
CUT
90' SHAFT
130(.001)
131(.001)
132(.005)
133(.002)
134(.020)
135(.029)
136(.004)
10'/.025
137(.114)
138(.053)
DUMP
North Adit Zone


LINE 36 S
LINE 34 S
LINE 32 S
LINE 30 S
500 W
400 W
300 W
200 W
OLD ORE BIN
40' SHAFT
15'/.110
24'/.07
CUT
83-88(.071)
83-87(.015)
83-86
83-90
(.198)
215(.003)
216(.214)
217(.100)
218(.015)
219(.005)
220(.007)
221(.001)
222(.001)
223(.015)
224(.022)
225(.098)
226(.075)
227(.102)
228(.149)
229(.164)
230(.132)
231(.014)
232(.010)
233(.001)
234(.032)
40'/.095
83-81(.044)
83-82(.089)
83-83(.048)
83-84(.079)
83-85(.143)
214(.032)
213(.012)
212(.070)
211(.034)
210(.010)
209(.037)
208(.048)
207(.071)
206(.015)
205(.173)
50'/.050(1984)
50'/.081(1983)
10'/.045
235(.001)
236(.002)
237(.002)
238(.001)
239(.027)
240(.063)
241(.001)
242(.004)
243(.001)
244(.008)
245(.009)
10'/.08
15'/.060
246(.001)
247(.001)
248(.001)
249(.096)
250(.064)
251(.016)
252(.007)
253(.001)
254(.001)
255(.001)
256(.001)
257(.001)
258(.002)
83-51(0.038)
83-30(.092)
83-29(.026)
83-28(.024)
UPPER SHAFT
(486')
83-26(.068)
83-78 (.117)
(COMPOSITE DUMP)
PIT



RODDY RESOURCE

SAMPLE LOCATI

"LOWER SHAFT & LOWE

EXTENSION ZON

BIGHORN PF

MARICOPA COUNTY, AR

TECHNICAL WORK BY G. BELIK AND ASSOCIATES LTD.

SCALE 1"=50

DRAWN BY W.G.

DATE MAR

(3)

WEST

ation (a.s.l.)

2600'

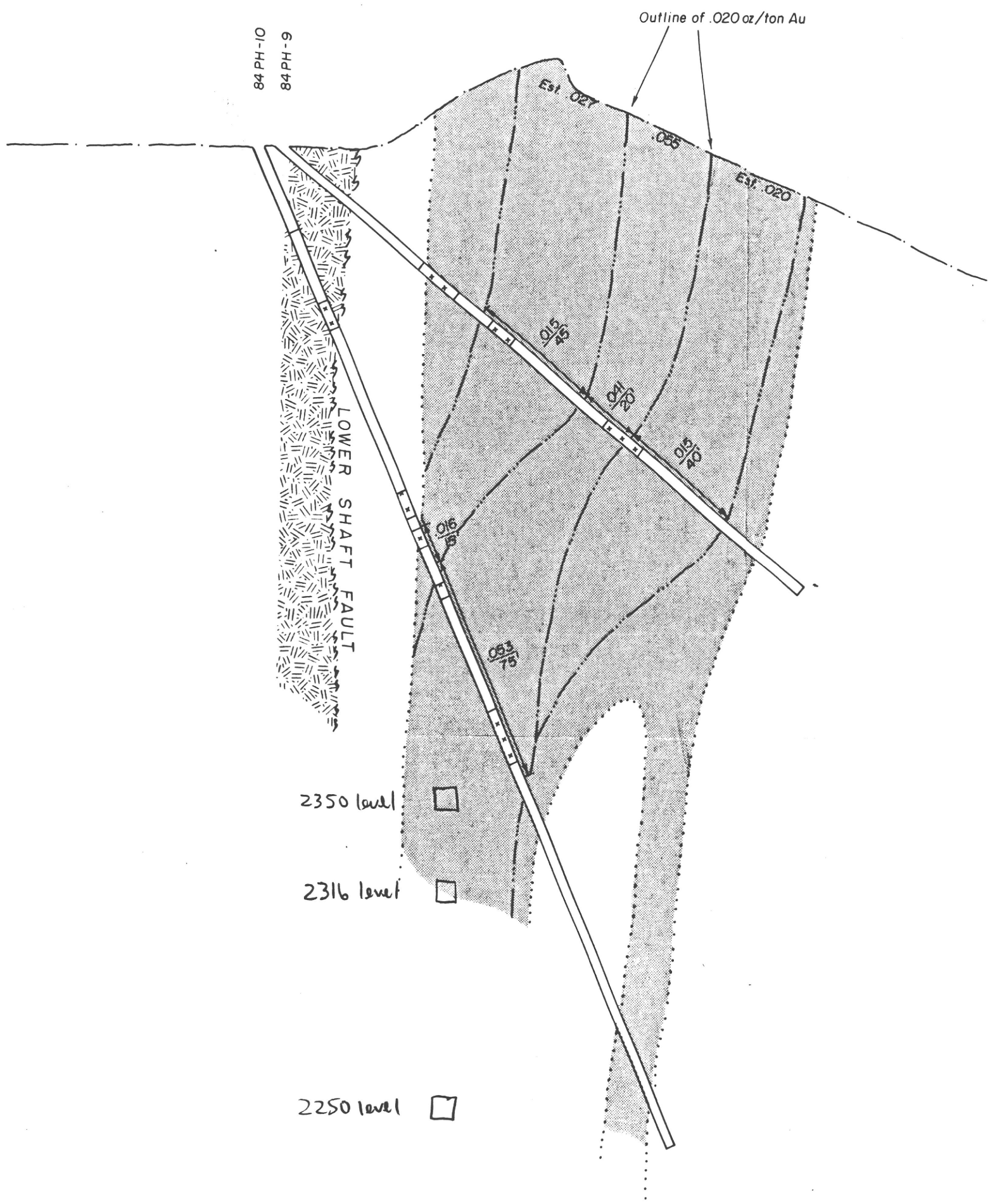
2500'

2400'

300'

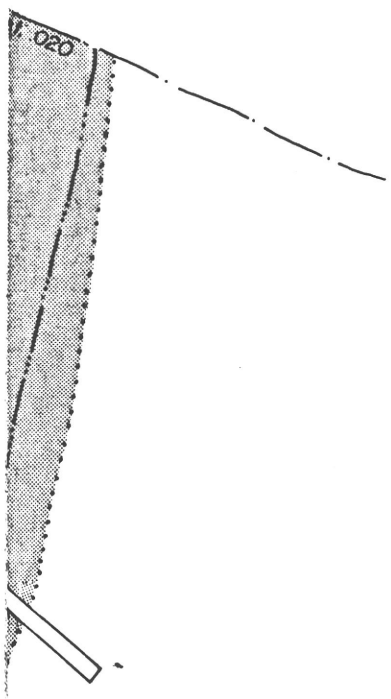
200'

00'



EAST

z/ton Au



LEGEND

- OUTLINE OF TOPOGRAPHY
- DRILL HOLE LOCATION - ASSAY IN OZ/TON OVER INTERVAL IN FEET (.046 / 5)
- FAULTS (STEEPLY DIPPING)
- OUTLINE OF QUARTZ STOCKWORK AND QUARTZ VEIN BRECCIA ZONE - GENERALLY STRONGLY HEMATIZED AND KAOLINIZED
- GEOLOGIC CONTACT
- TERTIARY VOLCANICS - DACITE, RHYOLITE, ANDESITE TUFFS AND FLOWS
- DIABASE DYKES AND SILLS
- QUARTZ STOCKWORK AS DESCRIBED ABOVE
- PRECAMBRIAN SCHISTS AND GNEISSES

RODDY RESOURCES INC.

CROSS SECTION (84 PH-9, 10) (LOWER SHAFT ZONE) BIGHORN PROJECT

TECH. WORK BY: G. BELIK AND ASSOCIATES LTD.	SCALE - 1 INCH = 40 FEET.
DRAWN BY: G.B.	DATE: OCTOBER, 1984
APPROVED BY: G. BELIK, M.Sc	FIG NO 1033-

(2)

WEST

EAST

Elevation (a.s.l.)

– 2600'

– 2500

– 2400'

– 2300'

– 2200'

– 2100'

84 PH-2

84 PH-1

84 PH-20

.165/70' (Av. 1983,84 SAMPLING

LOWER SHAFT FAULT

Outline of .020 oz./ton

150'

2350 level

2316 level

45°

2350 level

300'

TW	Au
42'	.116
12'	.022
Au 27	.095

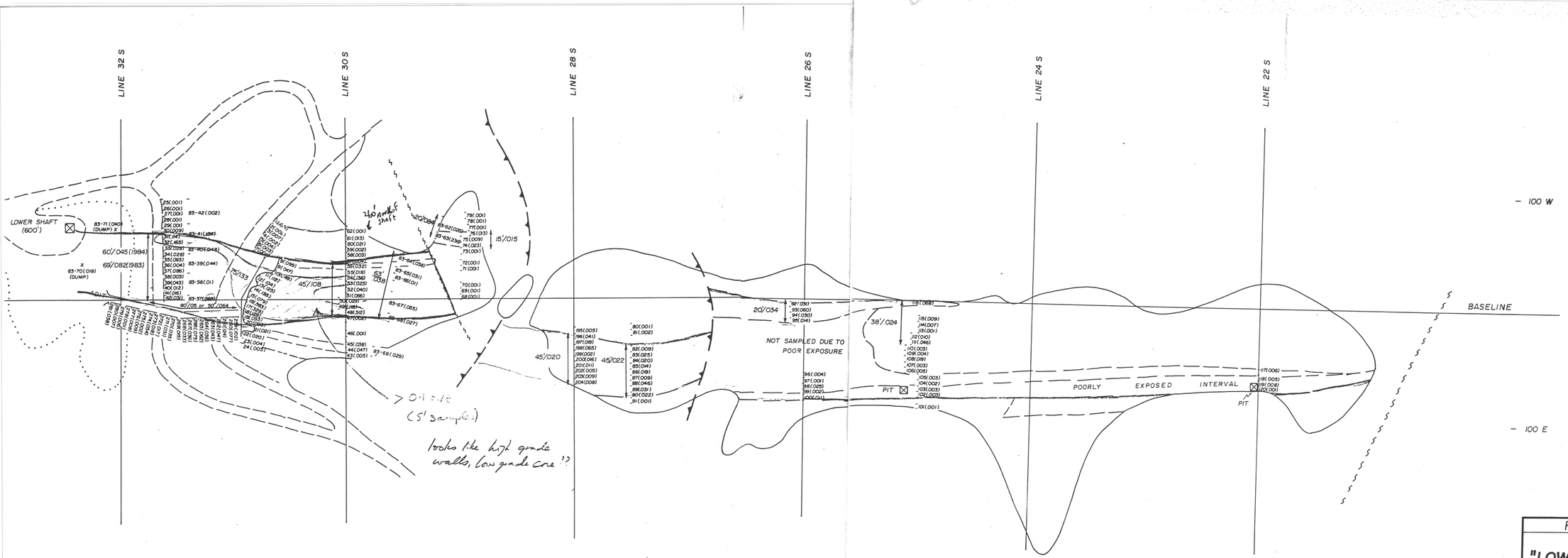
LEGEND

- OUTLINE OF TOPOGRAPHY
- DRILL HOLE LOCATION - ASSAY IN OZ/TON OVER INTERVAL IN FEET
- FAULTS (STEEPLY DIPPING)
- OUTLINE OF QUARTZ STOCKWORK AND QUARTZ VEIN BRECCIA ZONE - GENERALLY STRONGLY HEMATIZED AND KAOLINIZED
- GEOLOGIC CONTACT
- TERTIARY VOLCANICS - DACITE, RHYOLITE, ANDESITE TUFFS AND FLOWS
- DIABASE DYKES AND SILLS
- QUARTZ STOCKWORK AS DESCRIBED ABOVE
- PRECAMBRIAN SCHISTS AND GNEISSES

RODDY RESOURCES INC.

CROSS SECTION (84 PH-1,2,20) (LOWER SHAFT ZONE) BIGHORN PROJECT

TECH WORK BY: G BELIK AND ASSOCIATES LTD	SCALE - 1 INCH = 40 FEET
DRAWN BY G.B.	DATE OCTOBER [illegible]



RODDY RESOURCE

SAMPLE LOCATI

"LOWER SHAFT & LOWE

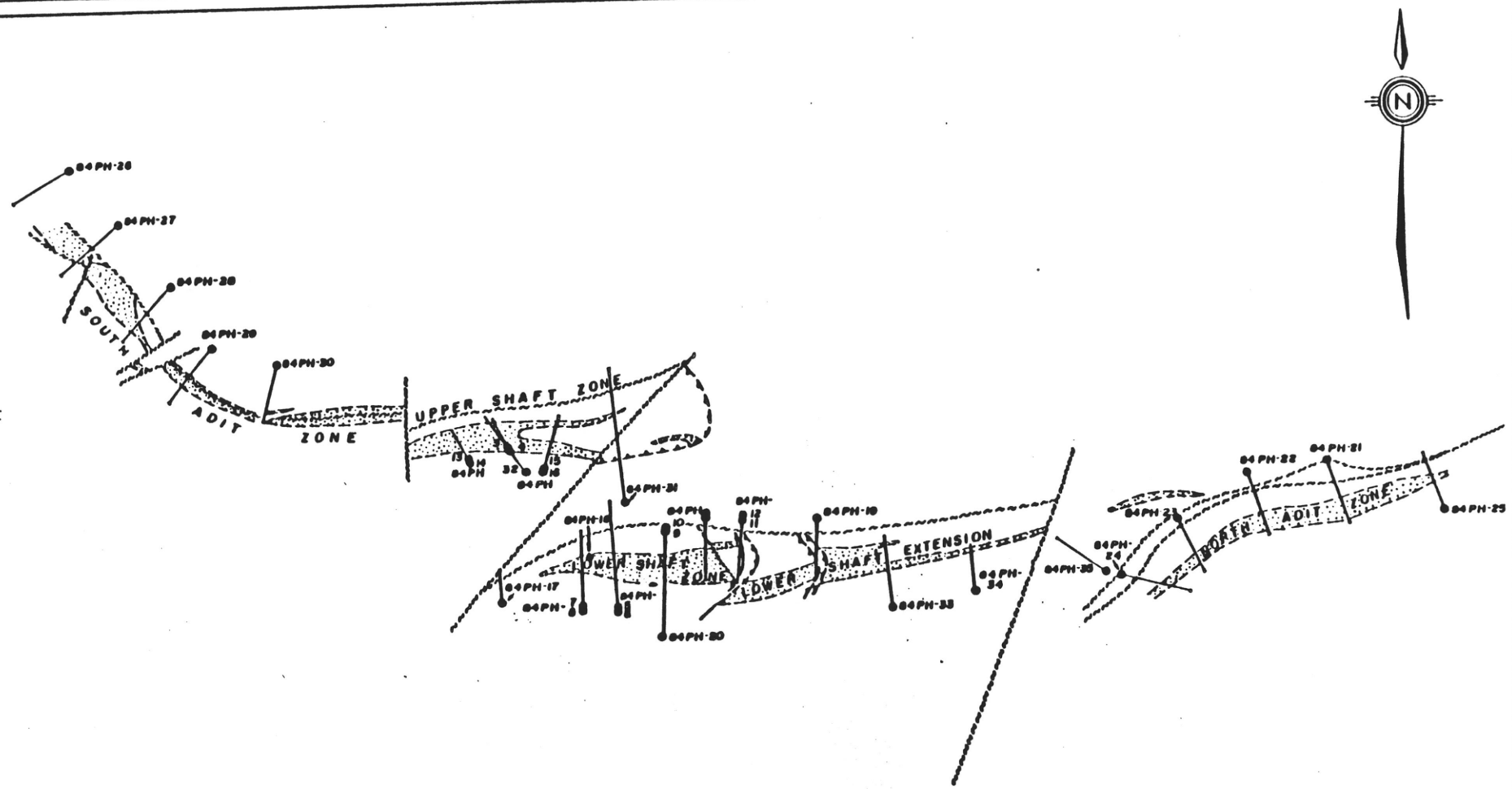
EXTENSION ZON

BIGHORN PF

MARICOPA COUNTY, AR

TECHNICAL WORK BY

SCALE



RODDY RESOURCES INC.

DRILL HOLE LOCATION PLAN

BIGHORN PROJECT

MARICOPA COUNTY, ARIZONA, U.S.A.

Steeply dipping faults

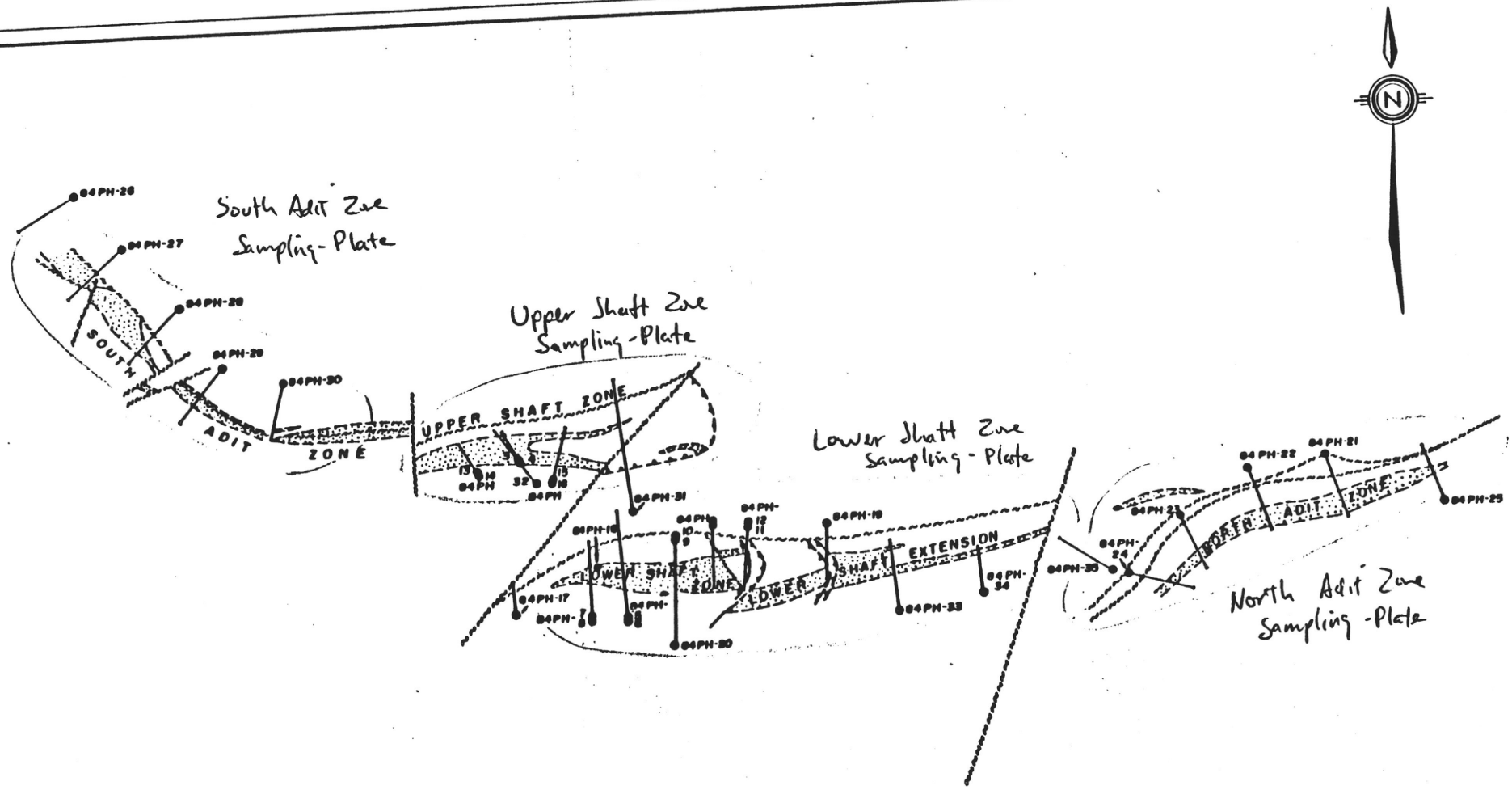
Low angle faults

SCALE 1" = 400'

0' 100' 200' 400' 800'

Outline of quartz stockwork quartz vein breccia zone

84PH-29 Drill hole location with surfac projection



RODDY RESOURCES INC.

DRILL HOLE LOCATION PLAN

BIGHORN PROJECT

MARICOPA COUNTY, ARIZONA, U.S.A.

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Low angle faults

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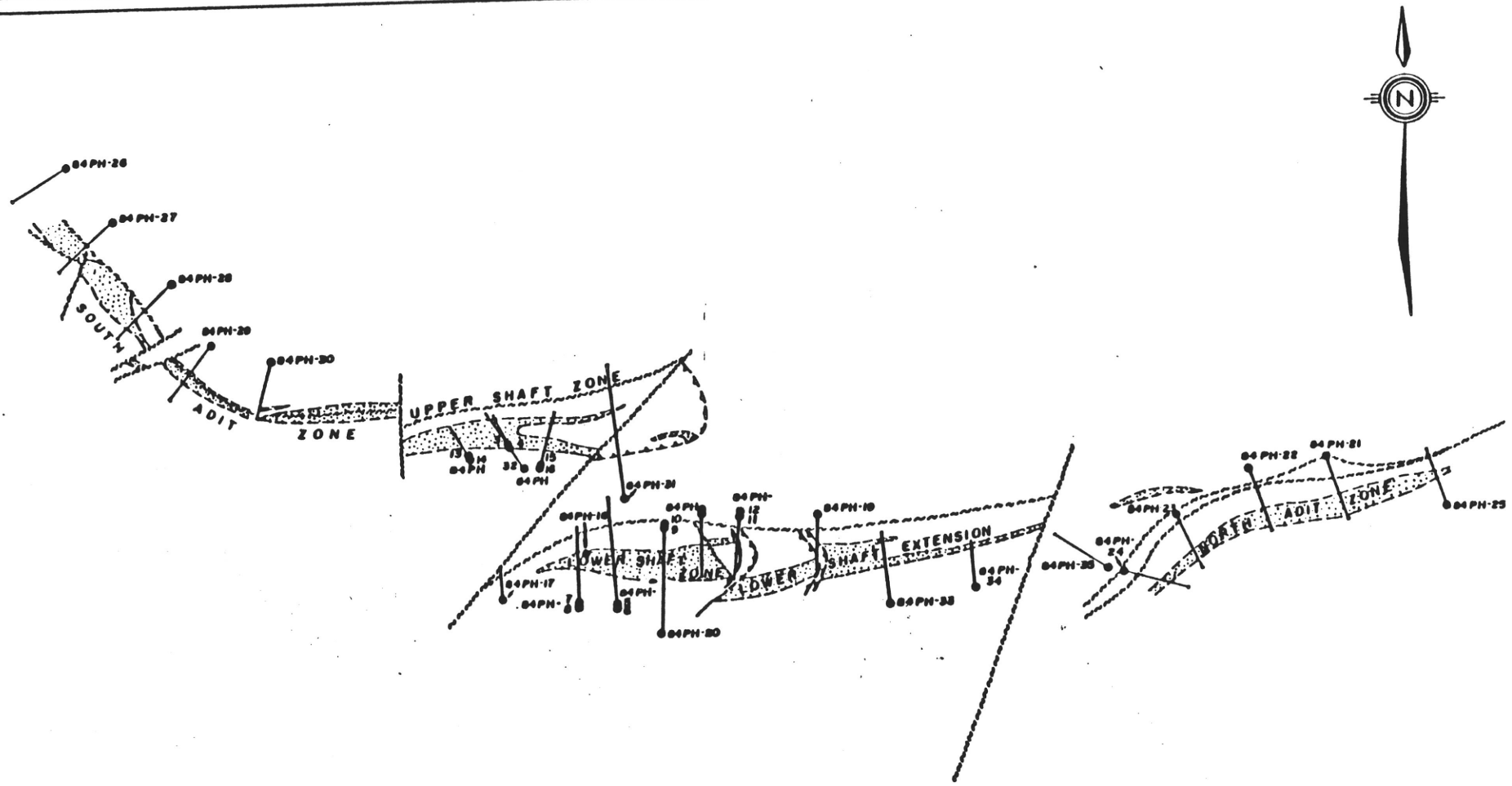
84PH-29 Drill hole location with surface projection

RODDY RESOURCES INC.
1984 DRILL HOLE SUMMARY
BIGHORN PROJECT
MARICOPA COUNTY, ARIZONA

Hole #	Interval	Core Length	Oz/ton Gold (uncut)		
84PH-1	70-120	50 Ft.	0.116	(incl. 20' 0.186)	
2	140-185	45 Ft.	0.012		
3	5-75	70 Ft.	.075	(incl. 5' .410)	
4	0-120	120 Ft.	.092	(incl. 30' 0.179 & 15' 0.226)	
5	70-90	20 Ft.	.031		
	165-205	40 Ft.	.070		
6	120-135	15 Ft.	.054		
	230-245	15 Ft.	.044		
7	130-150	20 Ft.	.030		
8	Weakly Mineralized				
9	85-190	105 Ft.	.020		
10	150-220	70 Ft.	.055	(incl. 15' 0.117)	
	or 135-225	90 Ft.	.047		
11	120-170	50 Ft.	.037		
12	195-250	55 Ft.	.016		
13	60-65	5 Ft.	.096		
14	90-130	40 Ft.	.017		
15	100-125	25 Ft.	.047		
16	90-175	85 Ft.	.020	.019*	
	175-225	50 Ft.	.177	.170* (incl. 15' .246 & 10' .309)	
	or 90-225	135 Ft.	.078		
17	No Mineralization				
18	10-50	40 Ft.	.058		
	50-110	60 Ft.	.022		
	or 10-110	100 Ft.	.037		
19	105-170	65 Ft.	.020	.019*	1.3
	170-220	50 Ft.	.092	(incl. 20' 0.171)	4.6
	220-310	90 Ft.	.027		2.43
	or 105-310	205 Ft.	.041		8.33
20	390-410	20 Ft.	.094		
	410-425	15 Ft.	.032		
	or 390-425	35 Ft.	.068		
21	200-245	45 Ft.	.037	.041*	
22	240-265	25 Ft.	.038		
23	230-270	40 Ft.	.036		
24	220-235	15 Ft.	.061		
	or 190-245	55 Ft.	.028		
25	85-115	30 Ft.	.021		
	185-210	25 Ft.	.022		
26-31	Missed zone, faulted off				
32	205-225	20 Ft.	.067		
	or 160-230	70 Ft.	.033		
33-35	Weakly mineralized over wide intervals				

* Check assays at a different laboratory.



RODDY RESOURCES INC.

DRILL HOLE LOCATION PLAN

BIGHORN PROJECT

MARICOPA COUNTY, ARIZONA, U.S.A.

Steeply dipping faults

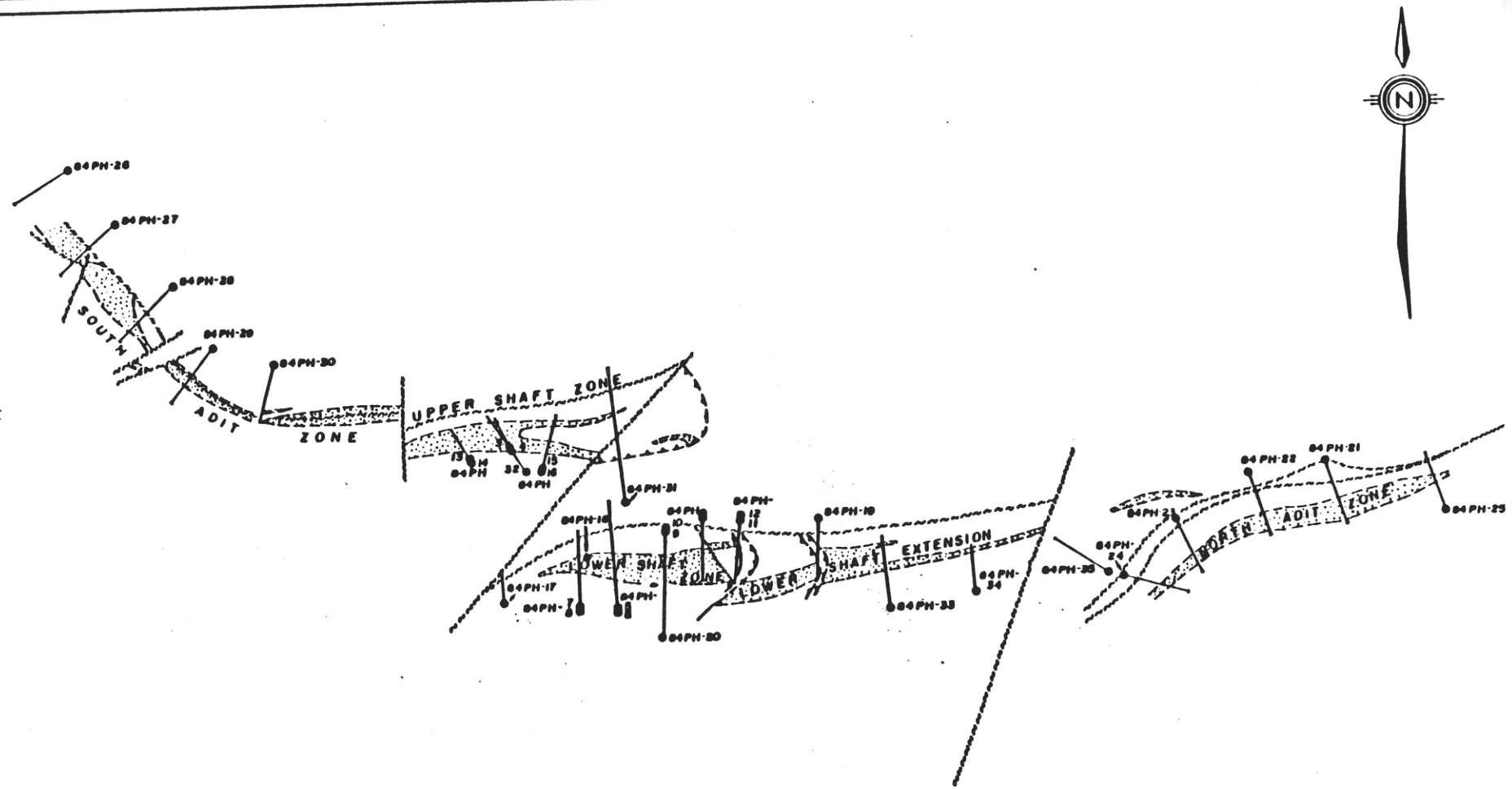
Low angle faults

SCALE 1" = 400'

0' 100' 200' 400' 800'

Outline of quartz stockwork and quartz vein breccia zone

84PH-29 Drill hole location with surface projection



RODDY RESOURCES INC.

DRILL HOLE LOCATION PLAN

BIGHORN PROJECT

MARICOPA COUNTY, ARIZONA, U.S.A.

~~~~~~~ Steeply dipping faults

Low angle faults

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84PH-29 Drill hole location with surfac projection
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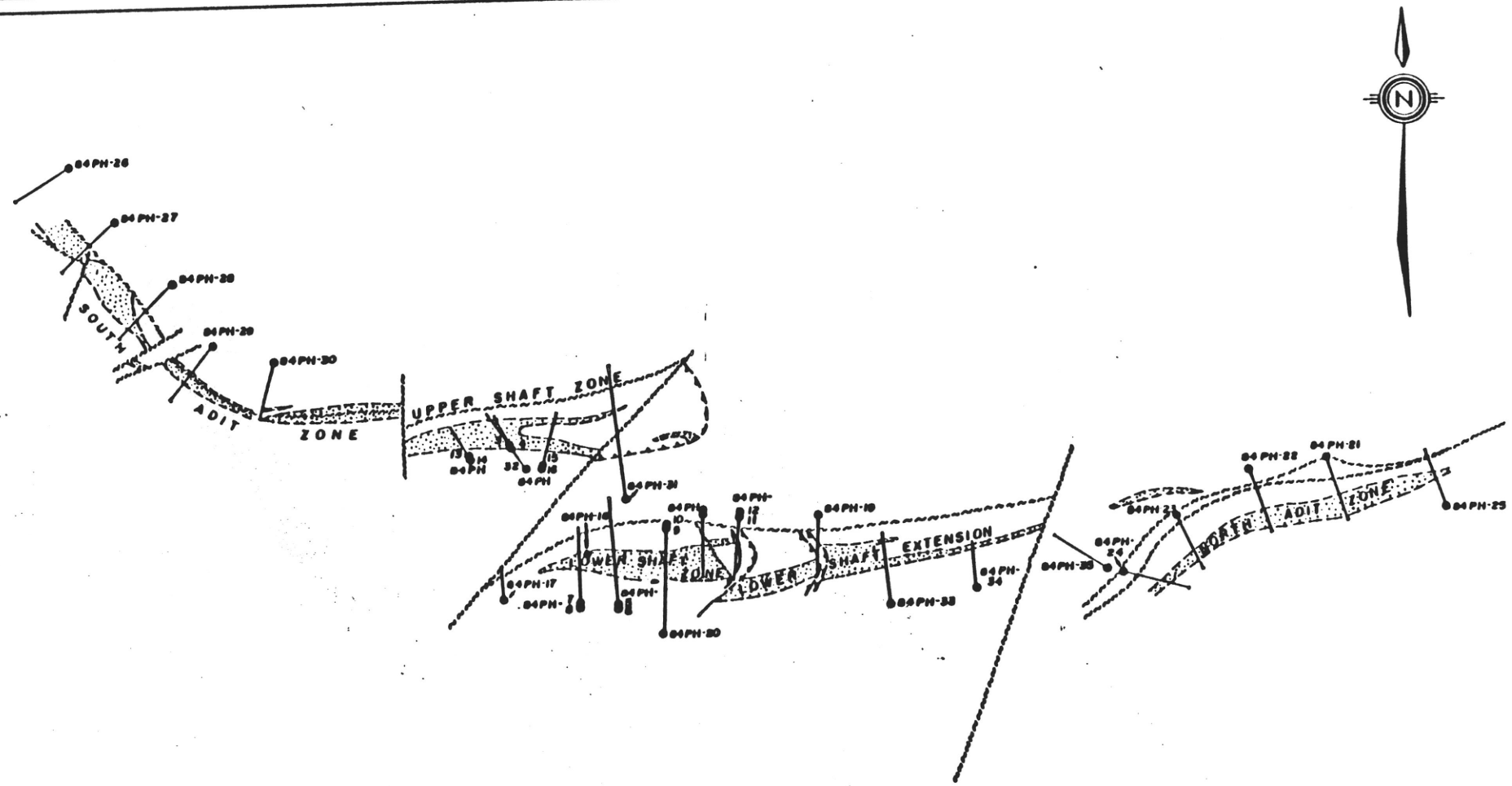

RODDY RESOURCES INC.

DRILL HOLE LOCATION PLAN

BIGHORN PROJECT

MARICOPA COUNTY, ARIZONA, U.S.A.

Steeply dipping faults

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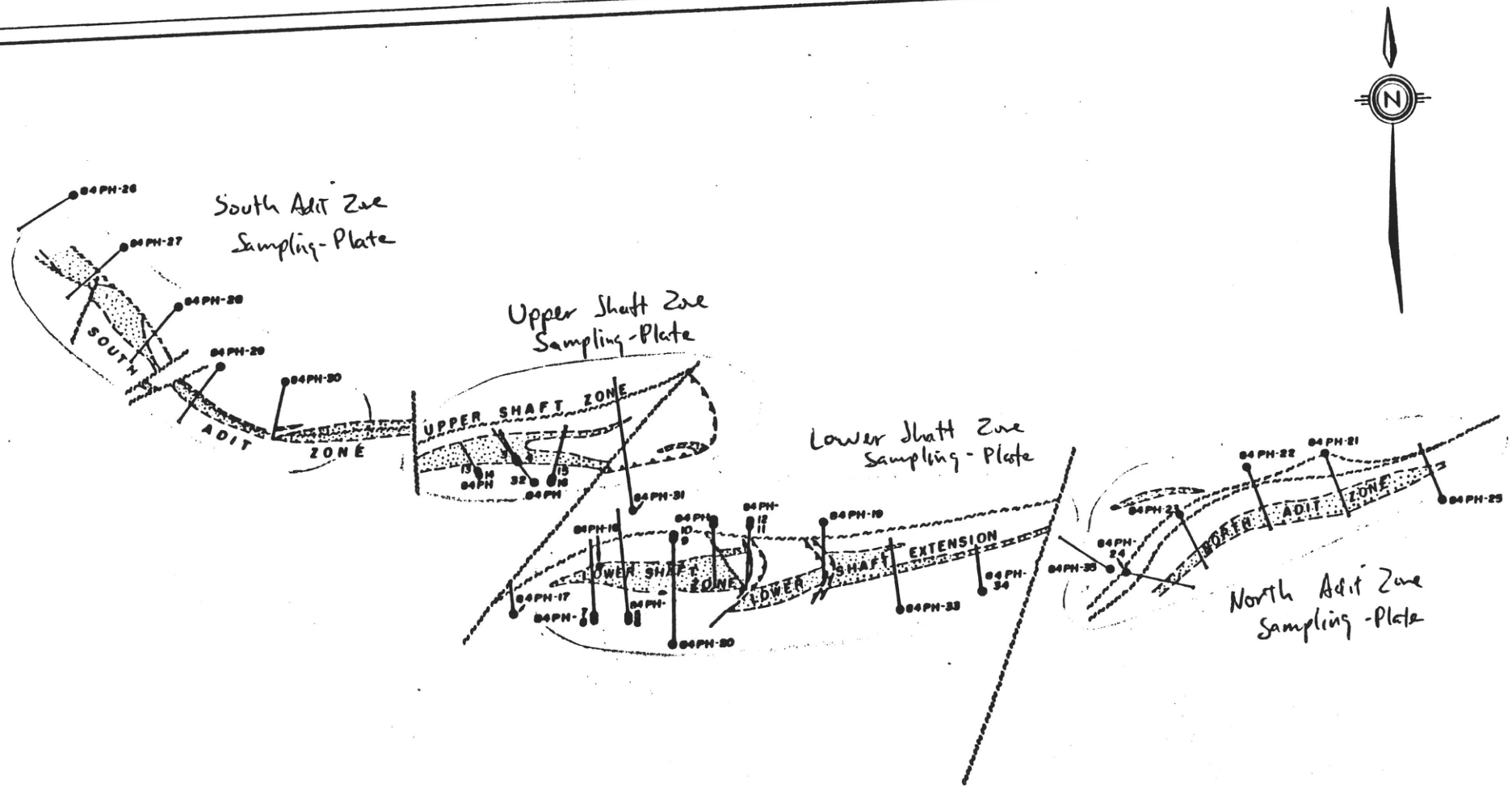
84PH-29 Drill hole location with surface projection



RODDY RESOURCES INC.

DRILL HOLE LOCATION PLAN

BIGHORN PROJECT

MARICOPA COUNTY, ARIZONA, U.S.A.

Steeply dipping faults

Low angle faults

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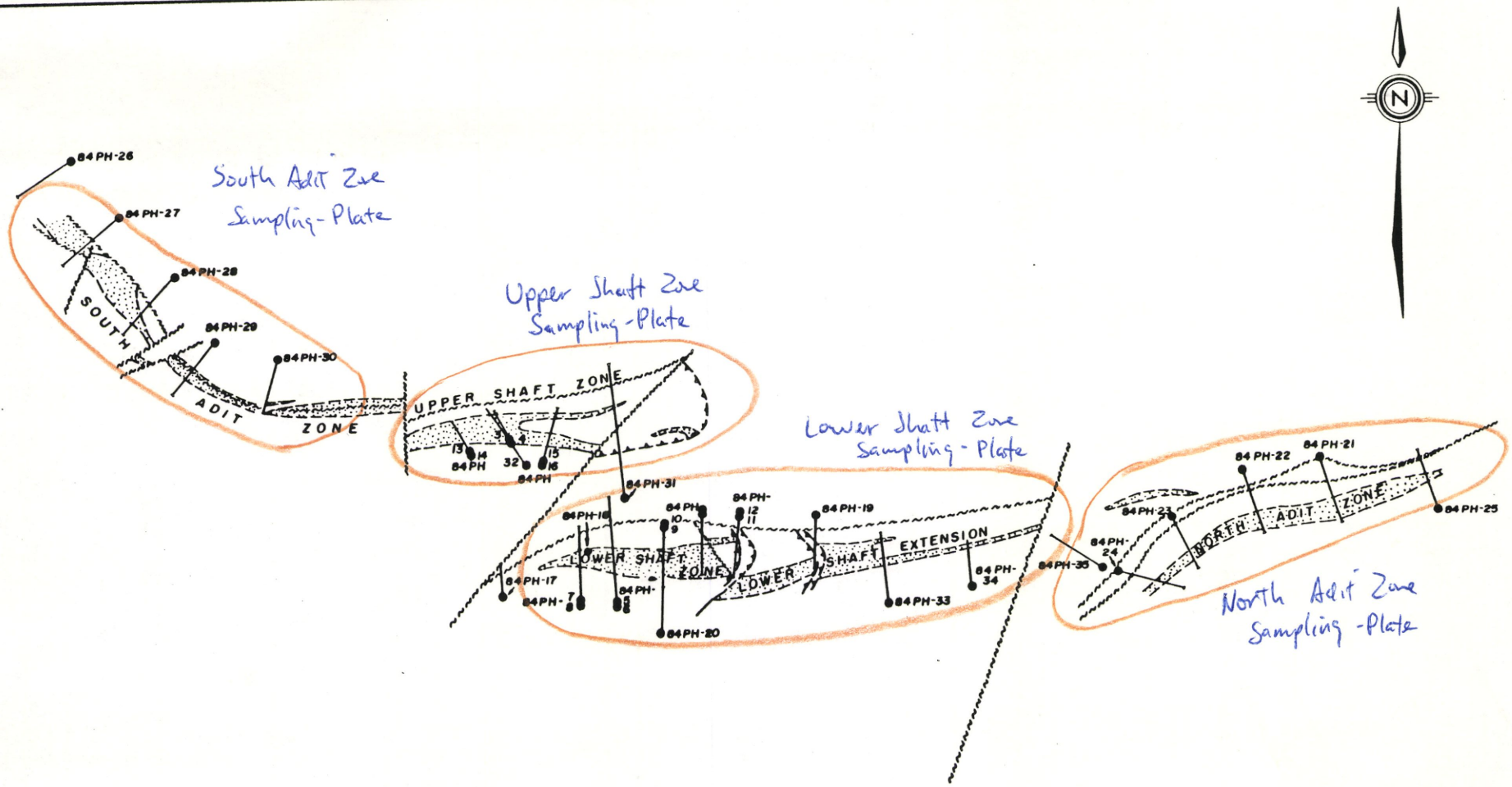


RODDY RESOURCES INC.

DRILL HOLE LOCATION PLAN

BIGHORN PROJECT

MARICOPA COUNTY, ARIZONA, U.S.A.

Steeply dipping faults

Low angle faults

SCALE 1" = 400'

0' 100' 200' 400' 800'

Outline of quartz stockwork and quartz vein breccia zone

84 PH-29 Drill hole location with surface projection

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn Drill Logs

HOLE No.: 84PH-31

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Core Size:
Angle of Hole: -40°
Claim:
Section:
Bearing: 265°

Total Depth: 450 Ft.
% Recovery:
Elev. Collar: 2508 Ft.
Latitude:
Departure:

Sheet No 1 of 8
Logged by: J. M. Dawson
Date Begun: Aug. 10/84
Date Finished: Aug. 11/84
Core Stored At:

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
0-20		No samples						
20-25		Chloritic, quartz-feldspathic gneiss						
25-30		Similar with hematite on fractures						
30-35		Mixed gneiss and hornfelsed dark grey volcanics						
35-40		Similar to last section						
40-45		Chloritic, quartz-feldspathic gneiss						
45-50		Hematitic and chloritic gneiss as before						
50-55		Similar to last section						
55-60		" " " "						
60-65		" " " "						
65-70		" " " "						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No.: 84Ph-31 SHEET No. 2 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
70-75		Greenish, chloritic, quartz-felspathic gneiss; hematite on fractures						
75-80		Similar to last section						
80-85		" " " "						
85-90		" " " "						
90-95		" " " "						
95-100		Mixed gneiss and fine grained, dark grey volcanics						
100-105		Fine grained, purplish grey metavolcanics						
105-110		Return blood red in colour; rock is similar to last section						
110-115		Primarily chloritic, feldspathic gneiss						
115-120		Similar to last section						
120-125		" " " "						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY Bighorn HOLE No. 84PH-31 SHEET No. 3 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
125-130		Similar to last section						
130-135		" " " "						
135-140		" " " "						
140-145		Fault zone(?); much chloritic mud; rock is chloritic; quartz-feldspathic gneiss						
145-150		Similar to last section						
150-155		" " " "						
155-160		" " " "						
160-165		" " " "						
165-170		" " " "						
170-175		" " " "						
175-180		Water return changes to blood red colour; similar chloritic feldspathic gneiss; trace quartz						
180-185		Similar to last section; no quartz						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY Bighorn HOLE No. 84PH-31 SHEET No. 4 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
185-190		Similar to last section						
190-195		" " " "						
195-200		Precambrian, green-grey volcanics						
200-205		" " " "						
205-210		Mixed dark grey volcanics and the greenish-white gneiss						
210-215		Chloritic, feldspathic gneiss						
215-220		" " "						
220-225		" " "						
225-230		" " "						
230-235		" " "						
235-240		" " "; trace quartz						
240-245		" " "; no quartz						
245-250		" " "						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No. 84PH-31 SHEET No. 5 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
250-255		Similar chloritic, feldspathic gneiss						
255-260		" " " "						
260-265		Biotite-feldspar gneiss; no quartz						
265-270		Similar to last section; very hematitic; trace quartz						
270-275		Mixed gneiss and purplish grey volcanics; trace quartz						
275-280		Chloritic, feldspathic gneiss; no quartz						
280-285		" " " " "						
285-290		" " " " "						
290-295		" " " " "						
295-300		Purplish grey metavolcanics; no quartz						
300-305		" " " " "						
305-310		Mixed purplish grey volcanics and chloritic, quartz-feldspathic gneiss						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No. 84PH-31 SHEET No. 6 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
310-315		Fine grained, purplish grey volcanics						
315-320		" " " " "						
320-325		" " " " "						
325-330		Similar to last but more hematitic						
330-335		Green grey to purplish grey volcanics						
335-340		Similar to last section						
340-345		" " " "						
345-350		Water return is dark green; dark green grey volcanics						
350-355		Similar to last section						
355-360		Purplish grey volcanics; water return red brown						
360-365		Similar to last section; trace quartz						
365-370		" " " " ; trace quartz						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY Bighorn HOLE No. 84PH-31 SHEET No. 7 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
370-375		Chloritic, feldspathic gneiss						
375-380		" " "; minor epidote						
380-385		" " "; " "						
385-390		Purplish grey, f.g. volcanics and minor gneiss						
390-395		Similar to last; trace epidote						
395-400		Dark green, chloritic volcanics; minor epidote						
400-405		Similar to last section						
405-410		Fine grained, purplish grey volcanic						
410-415		" " " " " ; trace quartz						
415-420		Dark grey volcanics and chloritic gneiss; trace quartz						
420-425		Purplish grey volcanics; minor epidote						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No. 84PH-31 SHEET No. 8 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
425-430		Similar dark, purplish grey volcanics						
430-435		Similar to last section						
435-440		" " " "						
440-445		" " " "						
445-450		" " " "						
		End of Hole						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn Drill Logs

HOLE No.: 84PH-32

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Core Size:
Angle of Hole: -60°
Claim:
Section:
Bearing: 235°

Total Depth: 345 Ft.
% Recovery:
Elev. Collar: 2560 Ft.
Latitude:
Departure:

Sheet No 1 of 7
Logged by: J. M. Dawson
Date Begun: Aug. 11/84
Date Finished: Aug. 12/84
Core Stored At:

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
0-20		No samples						
20-25		Purplish grey andesite(?) Tertiary						
25-30		Fine grained, greenish, chloritized volcanics						
30-35		Similar to last section						
35-40		" " " " ; trace quartz with specularite						
40-45		Similar chloritized volcanics; hematite on fractures						
45-50		Similar to last section						
50-55		Mixed greenish to purplish grey volcanics and grey to buff rhyolite						
55-60		Grey to buff and reddish rhyolite; trace quartz						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY Bighorn HOLE No. 84PH-32 SHEET No. 2 of 7

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)			
60-65		Similar to last section		60-65	5			
65-70		" " " " ; 1% quartz		65-70	5			
70-75		" " " " ; 1% quartz		70-75	5			
75-80		" " " " ; 1%-2% quartz with associated specularite		75-80	5			
80-85		Fines very red; mixed rhyolitic and green grey andesite; trace quartz		80-85	5			
85-90		Similar to last section; trace quartz		85-90	5			
90-95		Mostly grey to pink rhyolite; 1% quartz		90-95	5			
95-100		Similar to last section; trace quartz		95-100	5			
100-105		" " " " ; 1%-2% quartz with associated specular hematite		100-105	5			
105-110		Similar to last section; 3%-5% quartz		105-110	5			
110-115		Similar to last section; 10%-15% quartz with abundant specularite		110-115	5			

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY Bighorn HOLE No. 84PH-32 SHEET No. 3 of 7

'DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)			
115-120		Similar light coloured rhyolite- 10% quartz		115-120	110			
120-125		Similar to last section; 15%-20% quartz- abundant specularite and minor malachite and chrysocolla		120-125	750			
125-130		Similar to last section; 20% quartz minor copper carbonate		125-130	60			
130-135		Similar to last section; 20% quartz- scattered chrysocolla		130-135	70			
135-140		Similar to last section; 10% quartz		135-140	320			
140-145		" " " " ; 10% quartz + scattered copper carbonates		140-145	270			
145-150		Similar to last section; 5% quartz		145-150	90			
150-155		Mixed grey volcanics and light coloured rhyolite; 10% quartz- minor copper carbonates		150-155	30			
155-160		Pink to red-grey rhyolite; 5% quartz		155-160	5			

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No.: 84PH-32 SHEET No.: 4 of 7

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)	Au oz/ton		
160-165		Water return blood red; similar pinkish rhyolite;		160-165	1920	.040		
		5% quartz						
165-170		Mixed grey andesite(?) and buff rhyolite; quartz		165-170	1010	.010		
		stockwork with specularite; 5% quartz						
170-175		Predominently pale pink rhyolite; 5%-8% quartz		170-175	160	.006		
		in stockworks						
175-180		Similar to last section; 5%-8% quartz		175-180	230	.008		
180-185		" " " " ; 1% quartz		180-185	370	.016		
185-190		" " " " ; 2%-3% quartz		185-190	650	.026		
190-195		" " " " ; 7%-10% quartz		190-195	580	.018		
195-200		" " " " ; 5%-7% quartz		195-200	870	.027		
200-205		" " " " ; 7%-10% quartz		200-205	1450	.029		
205-210		" " " " ; 7%-10% quartz as blue-		205-210	890	.048		
		grey fragments with contained specularite(?)						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No. 84PH-32 SHEET No. 5 of 7

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)	Au (oz/ton)
210-215		Fine grained purplish grey volcanics; no visible quartz		210-215	5020	.084
215-220		Similar to last section; heavily hematized; no quartz		215-220	5260	.103
220-225		White to buff bleached rhyolite; 3% quartz		220-225	1030	.032
225-230		Similar to last section; 3% quartz		225-230	750	.016
230-235		" " " " ; 3% quartz		230-235	230	.009
235-240		" " " " ; heavy hematite stringers; 5% quartz; trace malachite		235-240	240	.007
240-245		Similar to last section; 5% quartz		240-245	Lost sample	
245-250		" " " " ; 5% quartz- minor copper carbonates		245-250	620	.008
250-255		Similar rhyolite; 2% quartz		250-255	130	
255-260		Green grey volcanics; 1% quartz		255-260	60	
260-265		Mixed green grey andesite and pale buff to red rhyolite; 1% quartz		260-265	5	

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No. 84PH-32 SHEET No. 6 of 7

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)			
265-270		Primarily white to pale grey rhyolite- 5% quartz		265-270	5			
270-275		Purplish grey volcanics; 2% quartz		270-275	5			
275-280		" " " ; 2%-4% quartz		275-280	5			
280-285		Mixed grey andesite and rhyolite; 1%-2% quartz		280-285	5			
285-290		Grey green; foliated greenstone; no quartz		285-290	40			
290-295		Similar to last section; no quartz		290-295	5			
295-300		" " " " ; trace quartz		295-300	650			
300-305		" " " " ; trace quartz						
305-310		Purplish grey volcanics; abundant hematite; no quartz						
310-315		Similar to last section; no quartz						
315-320		" " " " ; " "						
320-325		" " " " ; " "						
325-330		" " " " ; " "						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY Bighorn HOLE No. 84PH-32 SHEET No. 7 of 7

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
330-335		Similar to last section; no quartz						
335-340		Similar f. g. purplish to dark green grey						
		Precambrian(?) volcanics; no quartz						
340-345		Similar to last section						
		End of hole						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn Drill Logs

HOLE No.: 84PH-33

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Core Size:
Angle of Hole: -55°
Claim:
Section:
Bearing: 265°

Total Depth: 320 Ft.
% Recovery:
Elev. Collar: 2575 Ft.
Latitude:
Departure:

Sheet No 1 of 6
Logged by: J. M. Dawson
Date Begun: Aug. 12/84
Date Finished: Aug. 13/84
Core Stored At:

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
0-20		No samples						
20-25		Pale buff to pink, thinly laminated tuff						
25-30		Similar to last section						
30-35		Green to purplish grey andesite						
35-40		Grey green, fine grained andesite						
40-45		Similar to last section						
45-50		" " " " ; traces of hematite						
		on fractures						
50-55		Green to purplish grey andesite						
55-60		Similar to last section						
60-65		Mixed green grey andesite and pale buff to						
		grey rhyolite						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY Bighorn HOLE No. 84PH-33 SHEET No. 2 of 6

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
65-70		Pinkish buff to grey rhyolite or dacite						
70-75		Similar to last section; thinly flow banded						
75-80		Similar to last section; trace quartz						
80-85		Buff and grey to yellowish rhyolite; 1% quartz and some specularite						
85-90		Similar to last section; trace quartz						
90-95		Mixed buff to red rhyolite and grey green andesite; no quartz						
95-100		Grey green, chloritic andesite; no quartz						
100-105		Similar to last section						
105-110		Purplish grey andesite or dacite						
110-115		Similar to last section						
115-120		" " " "						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No. 84PH-33 SHEET No. 3 of 6

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)			
120-125		Similar to last section; trace quartz						
125-130		Green grey, chloritized andesite; trace quartz						
130-135		Green grey to purplish grey andesite; no quartz		130-135	5			
135-140		Similar to last section		135-140	5			
140-145		" " ". " ; specularite on fractures; 1% quartz		140-145	5			
145-150		Blood-red return; buff to red brown dacite; 15%-20% quartz; trace malachite		145-150	5			
150-155		Green andesite or dacite; weak hematization; 10% quartz		150-155	5			
155-160		Green chloritized andesite; much chloritic mud-fault(?); 10% quartz; minor hematite		155-160	5			
160-165		Purplish grey andesite; 10% quartz		160-165	5			

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No. 84PH-33 SHEET No. 4 of 6

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)			
165-170		Similar to last section; 5% quartz		165-170	5			
170-175		" " " " ; 5%-8% quartz		170-175	150			
175-180		Heavy hematite; return brick red; purplish. grey andesite or dacite; 5% quartz		175-180	570			
180-185		Mixed purplish grey andesite and orange brown rhyolite(?); 3% quartz		180-185	230			
185-190		Red to brown dacite or rhyolite; 3% quartz		185-190	40			
190-195		" " " " " " ; 5%-8% quartz		190-195	80			
195-200		Similar to last section; 3% quartz		195-200	180			
200-205		Green grey and buff red dacite(?); 5% quartz		200-205	190			
205-210		Similar to last section; 5% quartz		205-210	260			
210-215		" " " " ; 8% quartz		210-215	230			
215-220		Purplish grey andesite; trace quartz		215-220	470			
220-225		" " " ; trace quartz		220-225	180			

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY Bighorn HOLE No. 84PH-33 SHEET No. 5 of 6

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)			
225-230		Similar to last section; trace quartz		225-230	50			
230-235		" " " " ; 15% quartz		230-235	130			
235-240		Return changes to red brown; similar purplish grey andesite; 20% quartz		235-240	580			
240-245		Similar to last section; 25%-30% quartz with much specularite		240-245	290			
245-250		Grey to buff rhyolite; 5% quartz		245-250	160			
250-255		Similar to last section; 10% quartz with abundant specularite		250-255	70			
255-260		Mixed light grey rhyolite and dark grey green andesite; 3% quartz		255-260	180			
260-265		Mostly grey to buff and red rhyolite; 2% quartz		260-265	60			
265-270		Green grey to purplish red andesite; 3%-5% quartz		265-270	250			
270-275		Purplish grey andesite; 3%-5% quartz		270-275	180			

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No. 84PH-33 SHEET No. 6 of 6

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)			
275-280		Similar to last section; 5%-8% quartz		275-280	680			
280-285		Blood red water return; rock similar to last section; 7%-10% quartz		280-285	1960			
285-290		Similar to last section; 15%-20% quartz		285-290	220			
290-295		Return is olive green; grey green andesite; 3% quartz		290-295	190			
295-300		Similar to last section; trace quartz		295-300	90			
300-305		" " " " ; no quartz						
305-310		" " " "						
310-315		Chloritic green grey andesite						
315-320		" " " "						
		End of hole						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY Bighorn Drill Logs HOLE No. 84PH-34

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Core Size
Angle of Hole -55°
Claim
Section
Bearing 265°

Total Depth 275 Ft.
% Recovery
Elev. Collar 2562 Ft.
Latitude
Departure

Sheet No 1 of 5
Logged by J. M. Dawson
Date Begun Aug. 14/84
Date Finished Aug. 15/84
Core Stored At

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
0-20		No samples						
20-25		Grey green andesite						
25-30		" " "						
30-35		" " "						
35-40		Mixed grey green andesite and pink to buff rhyolite						
40-45		Pinkish buff rhyolite						
45-50		" " "						
50-55		" " "						
55-60		" " "						
60-65		" " "						
65-70		" " "						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No. 84PH-34 SHEET No. 2 of 5

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)			
70-75		Mixed buff to pink rhyolite and grey-green andesite; minor specularite						
75-80		Predominently purplish grey andesite; much hematite; trace quartz		75-80	20			
80-85		Similar to last section; trace quartz		80-85	40			
85-90		" " " " ; 1% quartz		85-90	5			
90-95		" " " " ; trace quartz		90-95	5			
95-100		Red to buff and grey hematized rhyolite; trace quartz; extensive hematite		95-100	5			
100-105		Similar to last section; 1% quartz		100-105	5			
105-110		" " " " ; 1%-2% quartz		105-110	5			
110-115		Buff to pinkish, highly altered; kaolinized rhyolite; trace quartz		110-115	5			
115-120		Similar to last section; trace quartz		115-120	5			
120-125		Mixed buff to pink rhyolite and purplish grey andesite; trace quartz		120-125	40			

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY Bighorn HOLE No. 84PH-34 SHEET No. 3 of 5

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)			
125-130		Similar to last section; 1%-2% quartz		125-130	30			
130-135		Primarily buff-white altered rhyolite; 10% quartz; trace crysocolla		130-135	40			
135-140		Mixed purplish grey andesite and white to buff bleached rhyolite; 5% quartz		135-140	620			
140-145		Dark brown water return; dark purplish grey andesite; 20% quartz with blebs of specularite		140-145	750			
145-150		Similar to last section; 15% quartz; minor malachite		145-150	180			
150-155		Similar to last section; 15% quartz		150-155	30			
155-160		" " " " ; 5% quartz		155-160	25			
160-165		" " " " ; 3%-5% quartz		160-165	5			
165-170		Green grey to purplish grey andesite; 2%-3% quartz		165-170	75			
170-175		Similar to last section; 3% quartz		170-175	250			

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No. 84PH-34 SHEET No. 4 of 5

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)			
175-180		Red grey to purplish grey andesite; 5% quartz		175-180	275			
180-185		Dark red dacite or rhyolite; 8%-10% quartz		180-185	40			
185-190		Similar to last section; 8%-10% quartz		185-190	15			
190-195		" " " " ; 10%-15% quartz		190-195	35			
195-200		Red brown dacite and grey green andesite; 15%-20% quartz with contained specularite		195-200	140			
200-205		Similar to last section; 40%-50% quartz		200-205	140			
205-210		Grey green to purplish grey andesite; 20%-25% quartz		205-210	100			
210-215		Similar to last section; 60%-70% quartz; traces crysocolla		210-215	800			
215-220		Purplish grey andesite; trace quartz		215-220	150			
220-225		Dark purplish grey to yellow brown altered andesite; 1% quartz		220-225	Lost sample			

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY Bighorn HOLE No. 84PH-34 SHEET No. 5 of 5

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)			
225-230		Greenish brown to altered yellowish brown andesite;		225-230	80			
		3% quartz						
230-235		Greenish brown andesite; trace quartz						
235-240		Green grey to red brown andesite; 1% quartz						
240-245		Similar to last section; trace quartz						
245-250		" " " " ; no quartz						
250-255		Purplish grey andesite; no quartz						
255-260		" " " ; " "						
260-265		Grey green andesite; no quartz						
265-270		Precambrian chloritic greenstone and amphibolite;						
		no quartz						
270-275		Similar to last section						
		End of hole						
		Note: 245-250 bag was not used so all samples						
		are advanced 5 feet from that section						
		thus 270-275 is in bag marked 275-280						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn Drill Logs

HOLE No.: 84PH-35

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Core Size:
Angle of Hole: -45°
Claim:
Section:
Bearing: 215°

Total Depth: 220 Ft.
% Recovery:
Elev. Collar: 2498 Ft.
Latitude:
Departure:

Sheet No 1 of 4
Logged by: J. M. Dawson
Date Begun: Aug. 15/84
Date Finished: Aug. 16/84
Core Stored At:

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
		-0-115 Ft. logged by J. M. Dawson						
0-20		No samples taken						
20-25		Pale grey to buff and pink hematitic rhyolite						
25-30		Similar to last section						
30-35		Mixed chalk white altered rhyolite and purplish grey andesite - or bleached andesite						
35-40		Similar to last section.						
40-45		" " " "						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY Bighorn HOLE No. 84PH-35 SHEET No. 2 of 4

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
60-65		Pinkish buff to pale red hematized rhyolite-						
		trace quartz						
65-70		Hematitic pink and buff rhyolite						
70-75		Very hematitic pinkish buff to red rhyolite						
75-80		Similar to last section						
80-85		" " " "						
85-90		Buff to pinkish grey and red rhyolite						
90-95		Similar to last section; very hematitic						
95-100		Similar to last section; trace quartz						
100-105		Similar rock- sampling problem- blockage-						
		fault??? very little return						
105-110		Similar problem- sampler broken; very hard large						
		pieces of rhyolite						

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

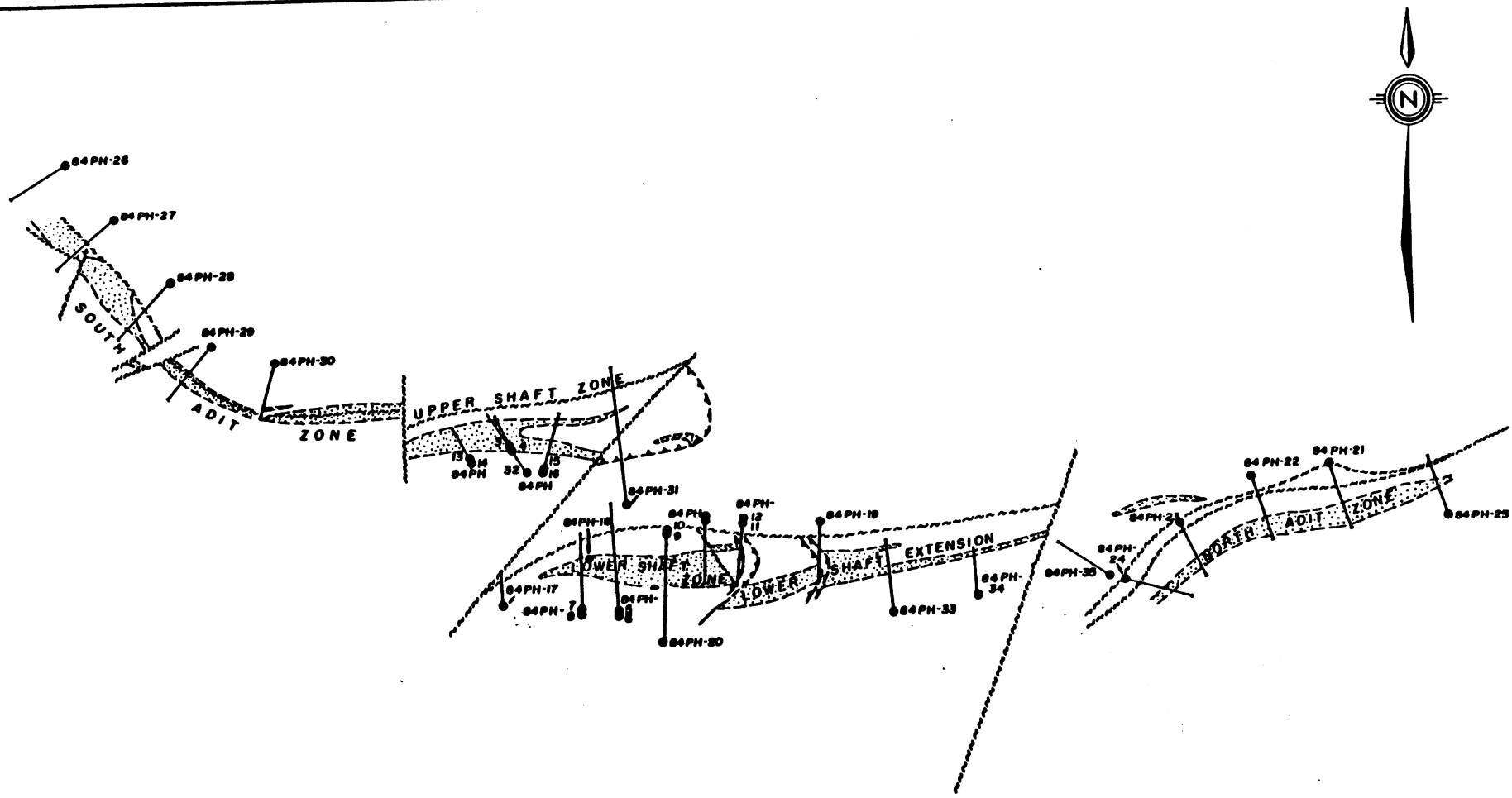
PROPERTY: Bighorn HOLE No. 84PH-35 SHEET No. 3 of 4

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb)			
110-115		No sample return- ?? problem with sampler						
		115' - 220' Logged by G. Belik						
115-130		Pink dacitic tuff; minor vein quartz						
130-155		Medium to dark pink dacitic tuff; 1%-2% vein		150-155	5			
		quartz						
155-160		70% green diabase		155-160	270			
		25% red hematitic dacite						
		1%-2% quartz						
160-170		Hard, siliceous, purple (hematized) felsic;		160-165	500			
		2% quartz		165-170	20			
170-175		Maroon (hematized) and dark green (chloritized)		170-175	330			
		unit; 5%-10% hematitic quartz						
175-180		Variably hematized dacite (pink to maroon);		175-180	110			
		chloritic sections; 15% quartz and hematitic quartz						
180-190		Dark maroon volcanic; chloritic fractures		180-185	60			
		5% quartz		185-190	40			

G. BELIK & ASSOCIATES LTD. - PERCUSSION DRILL RECORD

PROPERTY: Bighorn HOLE No.: 84PH-35 SHEET No. 4 of 4

'DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Au(ppb			
190-200		Sheared dark green diabase (?) with hematized		190-195	740			
		(purple color) intervals; 5% quartz		195-200	110			
200-205		Clay-rich gouge zone; most fragments altered		200-205	100			
		diabase						
205-220		Precambrian greenschist						



RODDY RESOURCES INC.

DRILL HOLE LOCATION PLAN

BIGHORN PROJECT

MARICOPA COUNTY, ARIZONA, U.S.A.

Steeply dipping faults

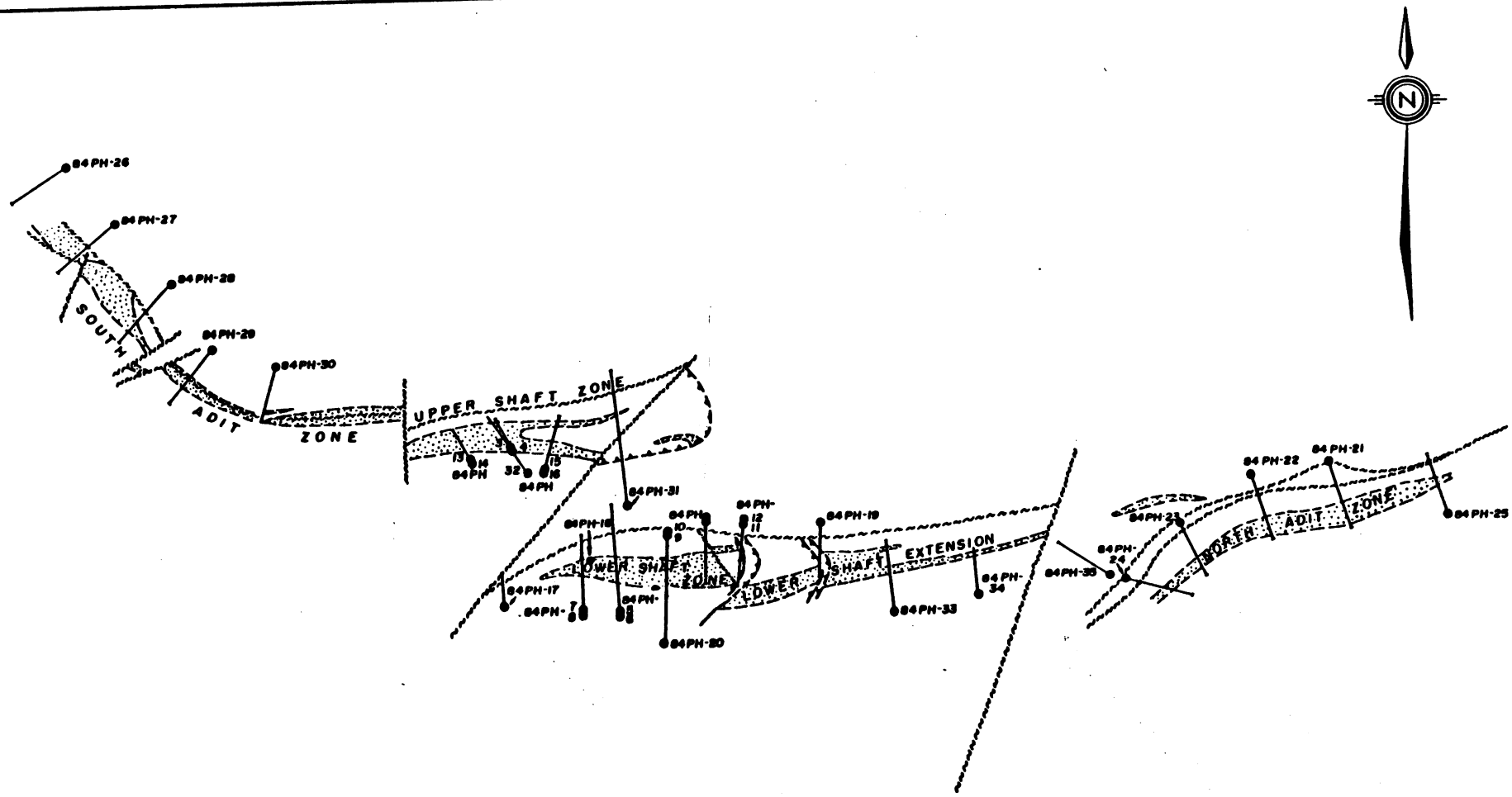
Low angle faults

SCALE 1" = 400'

0' 100' 200' 400' 800'

Outline of quartz stockwork and quartz vein breccia zone

84PH-29 Drill hole location with surface projection



RODDY RESOURCES INC.

DRILL HOLE LOCATION PLAN

BIGHORN PROJECT

MARICOPA COUNTY, ARIZONA, U.S.A.

Steeply dipping faults

Low angle faults

SCALE 1" = 400'

0' 100' 200' 400' 800'

Outline of quartz stockwork and quartz vein breccia zone

84PH-29 Drill hole location with surface projection

RODDY RESOURCES - U.S. MINE - BIGHORN PROJECT

"Probable-Possible" open-pit reserves - no real allowance for mining but max of about 5:1 strip ratio.

		Au opt		Au ounces
Upper shaft zone max depth 250'	239,700 T	@ .072	=	17,276
Lower shaft zone max depth 250'	607,700 T	@ .059	=	35,868
	847,400 T	@ .063		53,144

"Possible" open-pit reserves

South adit zone max depth 150'	115,300 T	@ .07	=	8,071
North adit zone	200,000 T	@ .04	=	8,000
	315,300 T	@ .05		16,071

Total - Probable + Possible	1,162,700 T	@ .06	69,215

<u>Note</u>: Silver and other metals not economic to consider. Compares with Roddy's estimate of probable ore at 565,000 T @ .09 = 50,850