

1972

Knox Mining: Anomaly 31

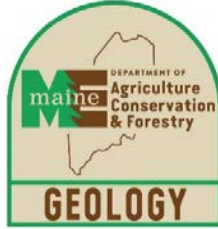
Knox Mining

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Maine Geological Survey

Core Repository Data Files

Driller: Knox Mining

Project: Anomaly 31

Town(s): Appleton

Contents:

1. Core Repository Intake Form(s)
2. Drill Hole Log(s)
3. Location Map(s)
4. Cross-section Diagram(s)

7/31-8/4

THE HANNA MINING COMPANY

TO: J.G.S. DATE 8/8/72
 FROM: U.C.K. A.F.E. NO. 72-425-3
 PROJECT: Knox Mng.

DRILLING STATUS

SUMMARY								
1.	DRILLS WORKING	10 hrs SHIFTS WORKED	TOTAL HOLES			TOTAL FOOTAGE		
			A.F.E. AUTH.	COMPLETED	DRILLING	AUTH. A.F.E.	TO DATE	THIS WEEK
	1	4		1	2		2527	356
<i>drill helper ill on 8/3</i>								

HOLES DRILLED THIS PERIOD

2.	HOLE NO.	COORDINATES		ADVANCE FT.	DEPTH FT.	ORE INTERSECTION FROM TO	ORE RECOVERY	ROCK FORMATIONS & ORE CUT
	An 31	149 00	1325	256	506	None	-	amphibolite & gneiss
<i>@ 45° East</i>								
	An 31	156 00	700	± 100	± 100	None		
<i>@ 49° West</i>								
<i>(at 125'-136' stringers of pyrrhotite, pyrite, sphalerite & chalcopyrite not economic)</i>								

3.	CORE RECOVERY IN WALL ROCK	THIS PERIOD	PROJECT TOTAL	AVG. FEET/DRILL	THIS PERIOD	PROJECT TOTAL
	CORE RECOVERY IN ORE					
	TOTAL CORE RECOVERY	100%			89	68
	RATE OF PENETR. IN ORE/SHIFT				2527	37

SAMPLE STATUS

4.	SAMPLES COLLECTED INTERVAL		SAMPLES PREPARED OR COMPOSITED	SAMPLES SENT TO LABORATORY		SAMPLE RESULTS		NOTES
				PERIOD	TOTAL	PERIOD	TOTAL	
	107-108	117-136		7/22-28	184			Nashvank
	126-21	128-18	(last wk)	this week	3			
	128-21	67-78				6/24-30	24	
	126-16	203-336						

GENERAL DRILLING RESULTS

(COMMENTS)

Due to poor site preparation 156-700 stem could not be placed flatter than 49°. As acid tests on 149-1325 show a flattening with depth, the average inclination is expected ± 45°.

Drilling invoices to date:

<i>6/1-15</i>	<i>105'</i>	<i>\$461.49</i>
<i>6/15-30</i>	<i>760'</i>	<i>4326.77</i>
<i>7/1-15</i>	<i>663'</i>	<i>3938.67</i>
	<i>1528'</i>	<i>\$8726.93</i>
		<i>or \$5.71/ft.</i>

NOTE: Attach following:

1. Geological plan showing proposed holes, holes drilled to date and this period; with elevation of collar, inclination, etc.
2. Log and cross-section of each hole.
3. Graph showing progress.

THE HANNA MINING COMPANY

8/5-11/72

TO: JGS DATE 8/12/72
 FROM: U.E.K. A.F.E. NO. 72-425-3
 PROJECT: Knox Mng.

DRILLING STATUS

SUMMARY

1.	DRILLS WORKING	SHIFTS WORKED	TOTAL HOLES		TOTAL FOOTAGE		
			A.F.E. AUTH.	COMPLETED	DRILLING	AUTH. A.F.E.	TO DATE
	1	6		1	1	3003	476

HOLES DRILLED THIS PERIOD

2. HOLE NO.	COORDINATES		ADVANCE FT.	DEPTH FT.	MIN. Z. ORE INTERSECTION		ORE RECOVERY	ROCK FORMATIONS & ORE CUT
	# S	# W			FROM	TO		
Ani31	15600	700	476	576	120	136		} sulfide stringers with sphalerite + chalcopyrite same but better, w/ Qtz.
					230	-		
					485	525		

completed rig down only

3.	CORE RECOVERY IN WALL ROCK	CORE RECOVERY IN ORE	TOTAL CORE RECOVERY	RATE OF PENETR. IN ORE/SHIFT	THIS PERIOD	PROJECT TOTAL	AVG. FEET/DRILL	AVG. FEET/WORK SHIFT	AVG. FEET/DRILL SHIFT	AVG. RATE PENETR. HOST ROCK/SHIFT	THIS PERIOD	PROJECT TOTAL
			100%								79	70
											3003	43

SAMPLE STATUS

4.	SAMPLES COLLECTED INTERVAL	SAMPLES PREPARED OR COMPOSITED	SAMPLES SENT TO LABORATORY		SAMPLE RESULTS		NOTES
			PERIOD	TOTAL	PERIOD	TOTAL	
	128-21 67-78	3	7/28	3			Nashwauk
	128-16 244-281				7	8/7/72	✓
	126-21 107-108				1	8/11/72	✓
	128-18 117-180				5		✓
	5. 130-17 184-189				1		✓

GENERAL DRILLING RESULTS

(COMMENTS)

NOTE: Attach following:

1. Geological plan showing proposed holes, holes drilled to date and this period; with elevation of collar, inclination, etc.
2. Log and cross-section of each hole.
3. Graph showing progress.



Pitmans Corner

North Appleton

North Hope Corner

Simmons Hill

Philbrick

Jones Hill

AN 30 Grid

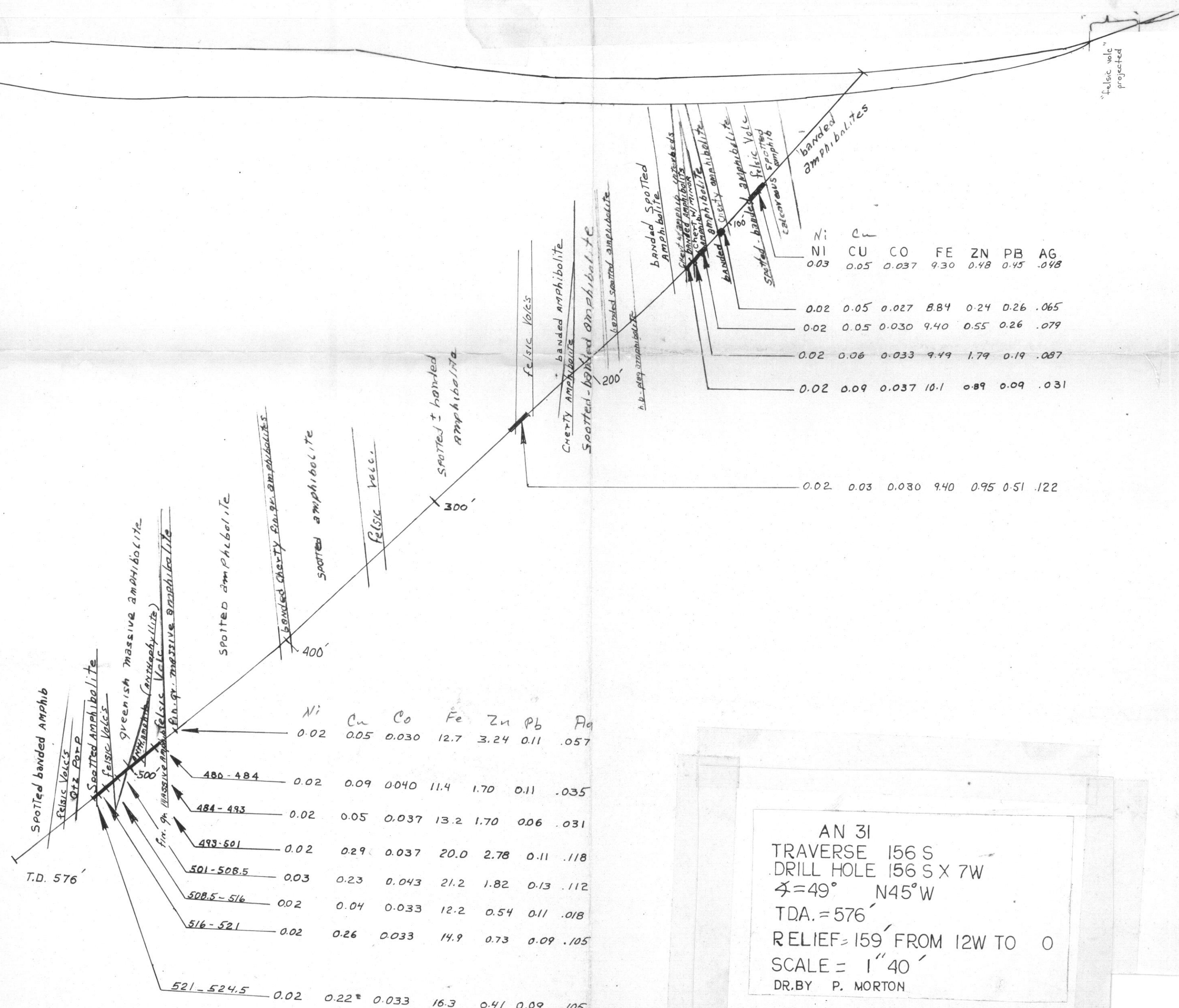
AN 37 Grid

May 1969

7 1/2 minute Topo scale

12W 11W 10 9W 8W 7W 6W

280
240
200
160
120
80
40
0
40
80
120
160



Ni	Cu	CO	FE	ZN	PB	AG
0.03	0.05	0.037	9.30	0.48	0.45	.048
0.02	0.05	0.027	8.84	0.24	0.26	.065
0.02	0.05	0.030	9.40	0.55	0.26	.079
0.02	0.06	0.033	9.49	1.79	0.19	.087
0.02	0.09	0.037	10.1	0.89	0.09	.031
0.02	0.03	0.030	9.40	0.95	0.51	.122

	Ni	Cu	Co	Fe	Zn	Pb	Ag
	0.02	0.05	0.030	12.7	3.24	0.11	.057
480-484	0.02	0.09	0.040	11.4	1.70	0.11	.035
484-493	0.02	0.05	0.037	13.2	1.70	0.06	.031
493-501	0.02	0.29	0.037	20.0	2.78	0.11	.118
501-508.5	0.03	0.23	0.043	21.2	1.82	0.13	.112
508.5-516	0.02	0.04	0.033	12.2	0.54	0.11	.018
516-521	0.02	0.26	0.033	14.9	0.73	0.09	.105
521-524.5	0.02	0.22	0.033	16.3	0.41	0.09	.105

AN 31
 TRAVERSE 156 S
 DRILL HOLE 156 S X 7W
 $\alpha = 49^\circ$ N45° W
 TDA. = 576'
 RELIEF = 159' FROM 12W TO 0
 SCALE = 1" = 40'
 DR. BY P. MORTON