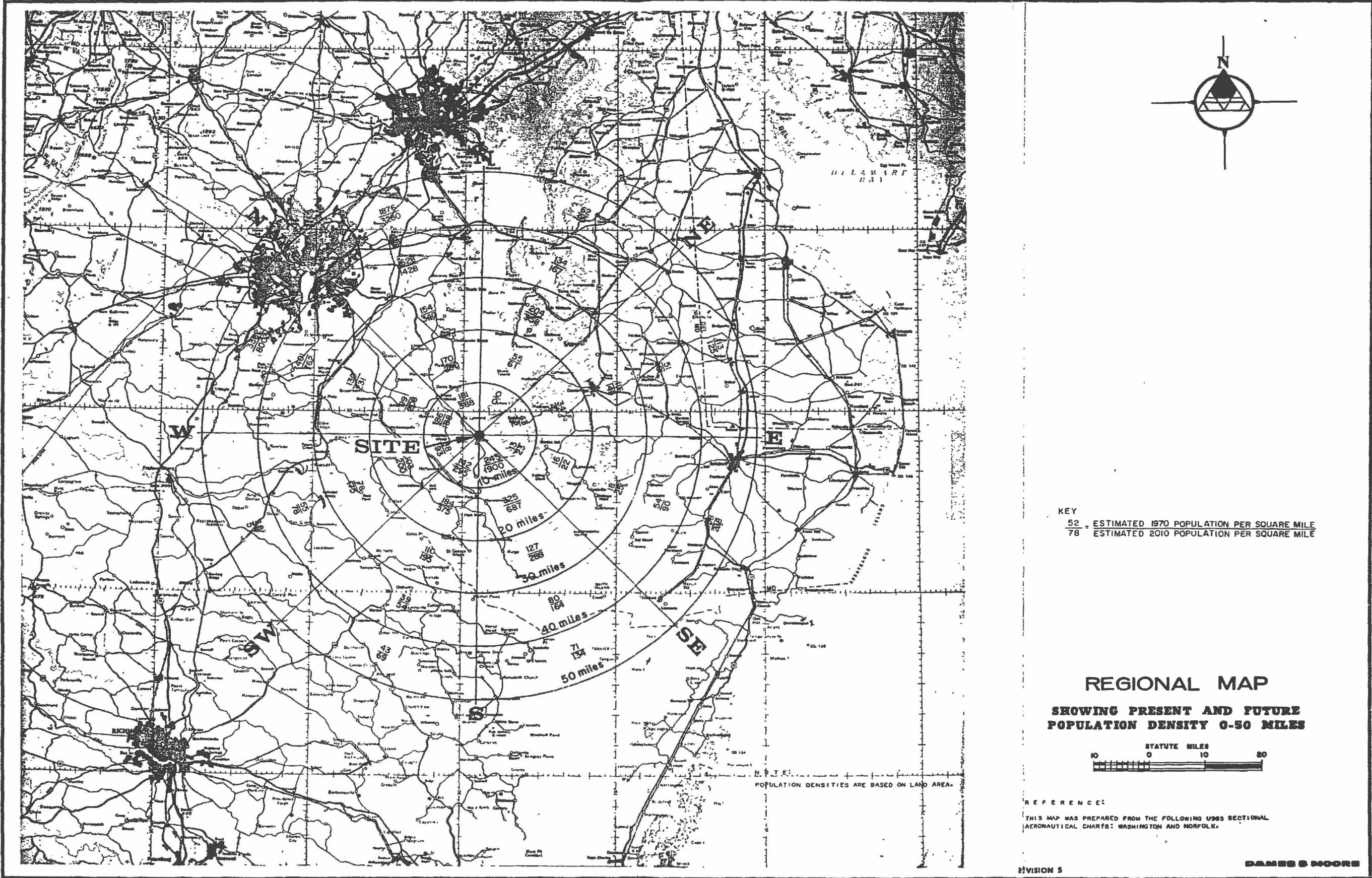


FIGURE 2.2-2

2.2-3 REGIONAL MAP, SHOWING PRESENT AND FUTURE POPULATION DENSITY 0-50 MILES



2.2-4 SITE VICINITY MAP, SHOWING PRESENT AND FUTURE POPULATION DENSITY 0-10 MILES

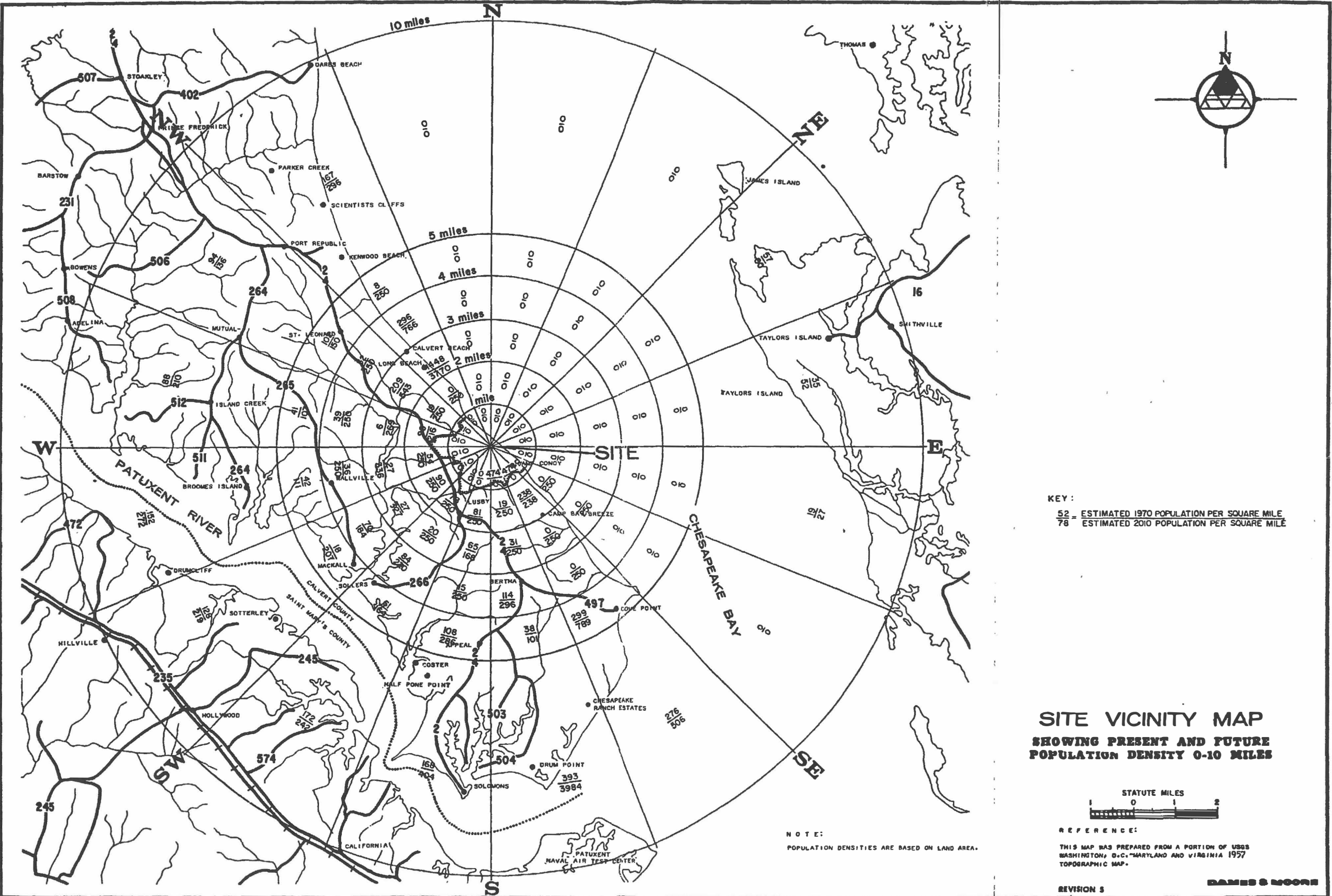


FIGURE 2.2-4

2.2-5 REGIONAL MAP, SHOWING PRESENT AND FUTURE POPULATION DISTRIBUTION 0-50 MILES

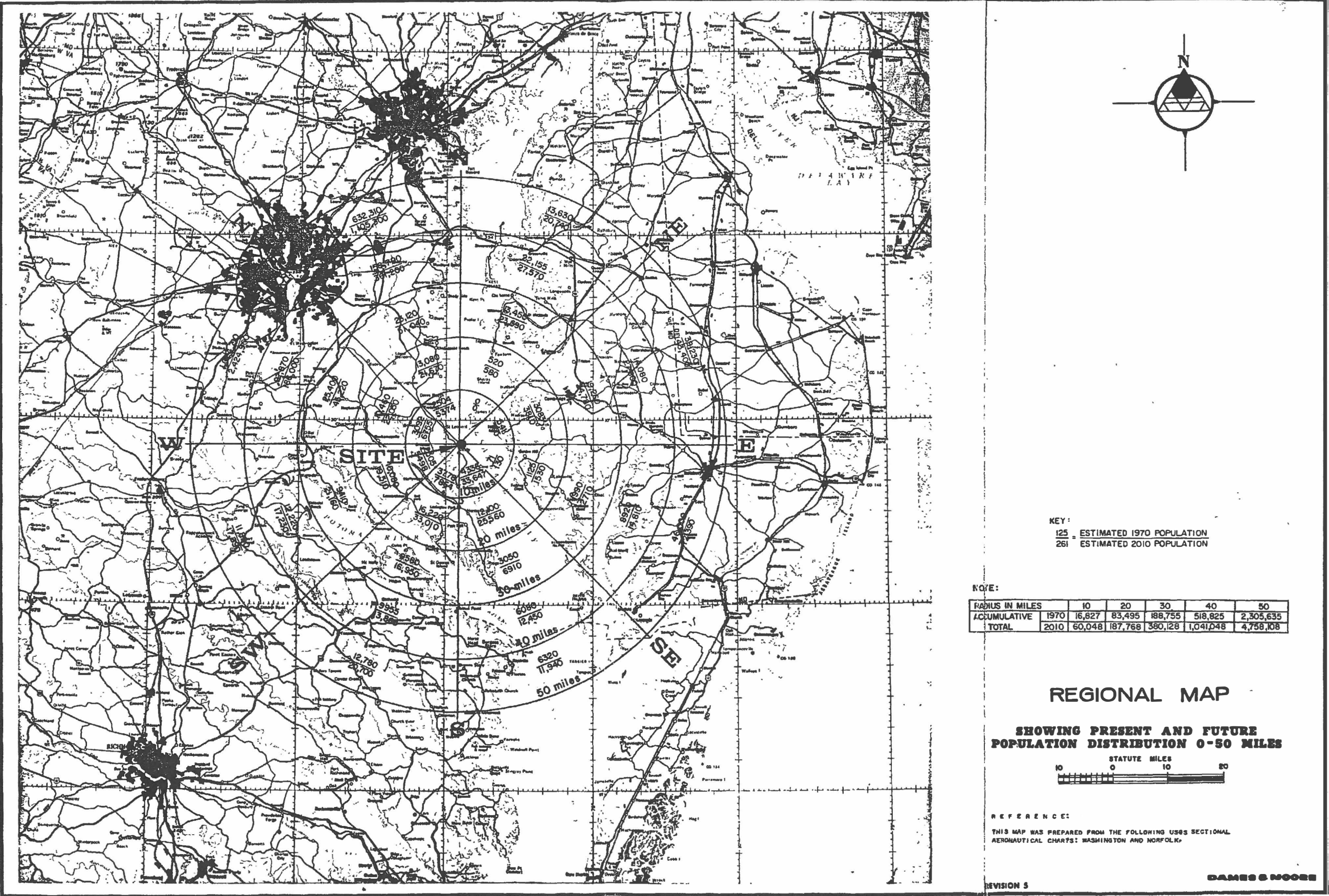
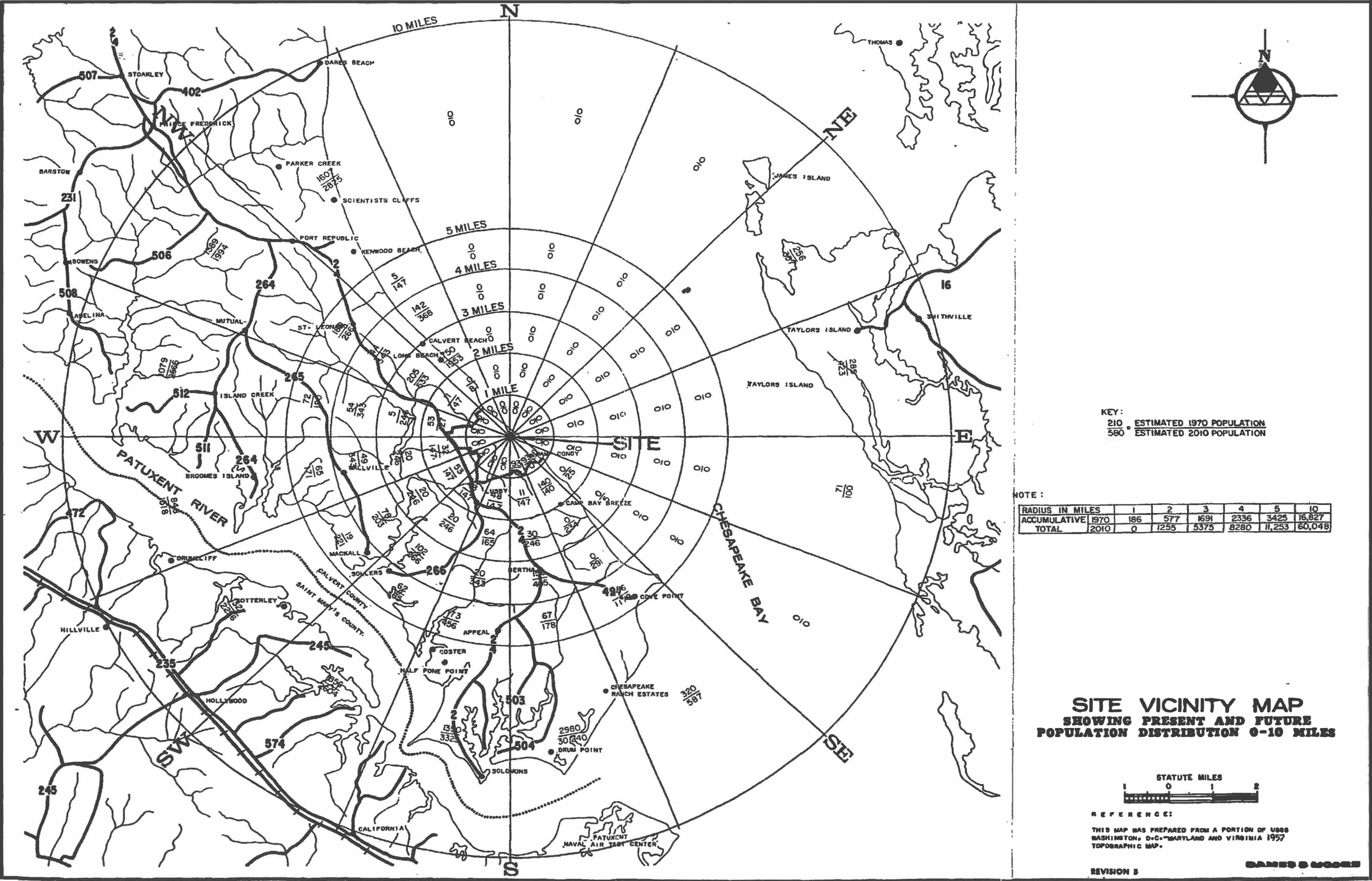


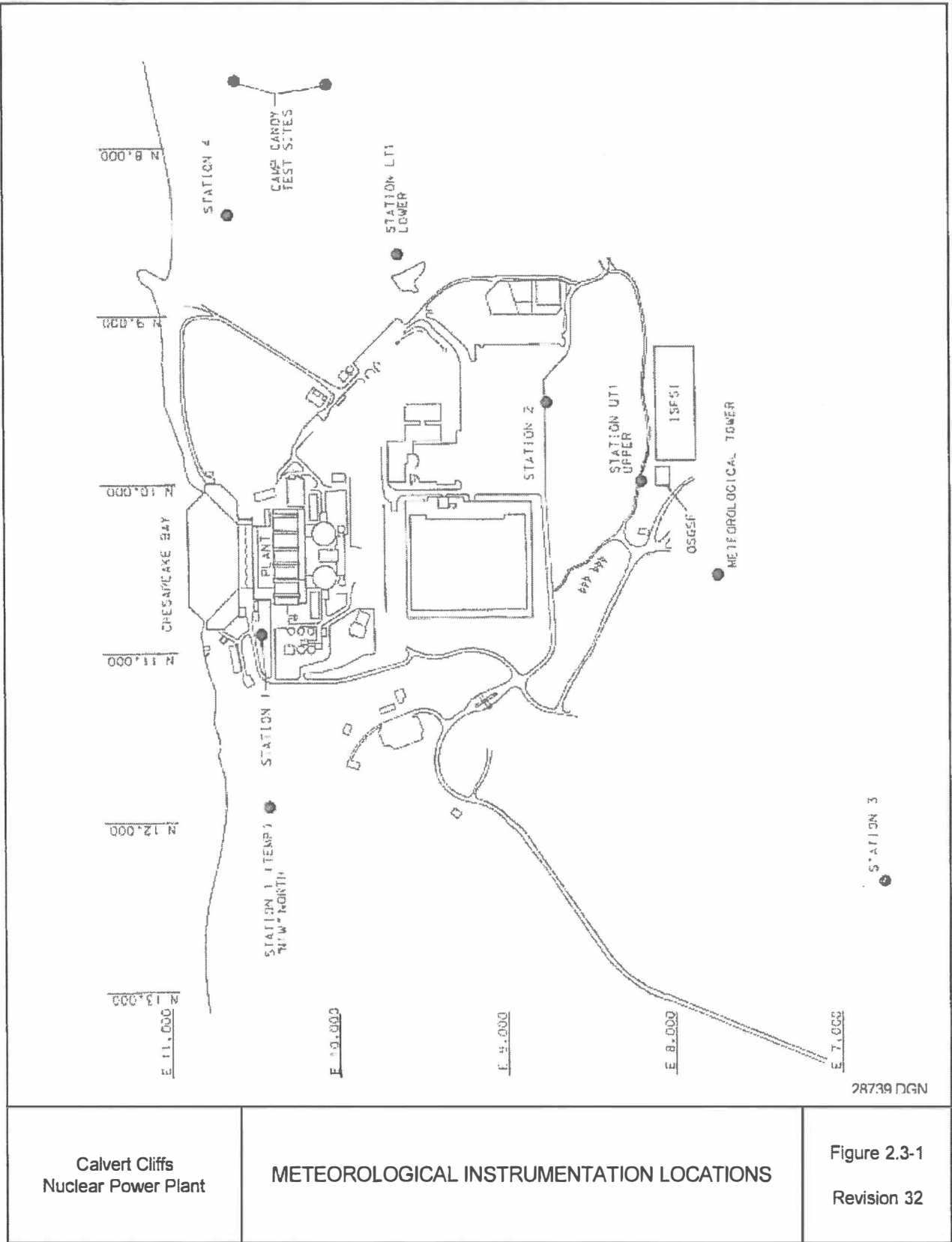
FIGURE 2.2-5

2.2-6 SITE VICINITY MAP, SHOWING PRESENT AND FUTURE POPULATION DISTRIBUTION 0-10 MILES



**FIGURE 2.2-7
AIRPORTS IN THE VICINITY
OF CALVERT CLIFFS
NUCLEAR POWER PLANT**

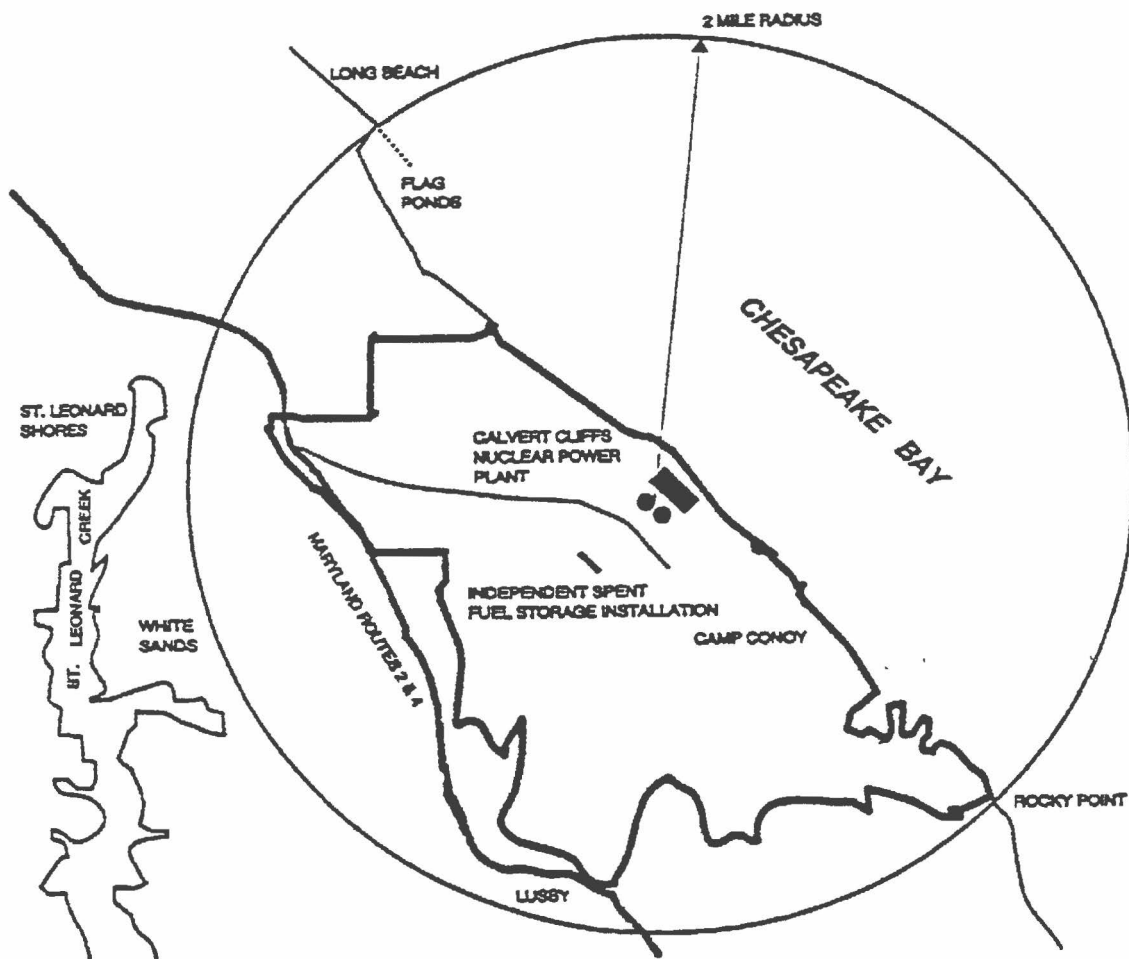




Calvert Cliffs
Nuclear Power Plant

METEOROLOGICAL INSTRUMENTATION LOCATIONS

Figure 2.3-1
Revision 32



BALTIMORE
GAS & ELECTRIC CO.
Calvert Cliffs
Nuclear Power Plant

LOW POPULATION ZONE

Figure 2.2-13

Rev. 18

FIGURE 2.3-2
METEOROLOGICAL INSTRUMENTATION LOCATION MAP

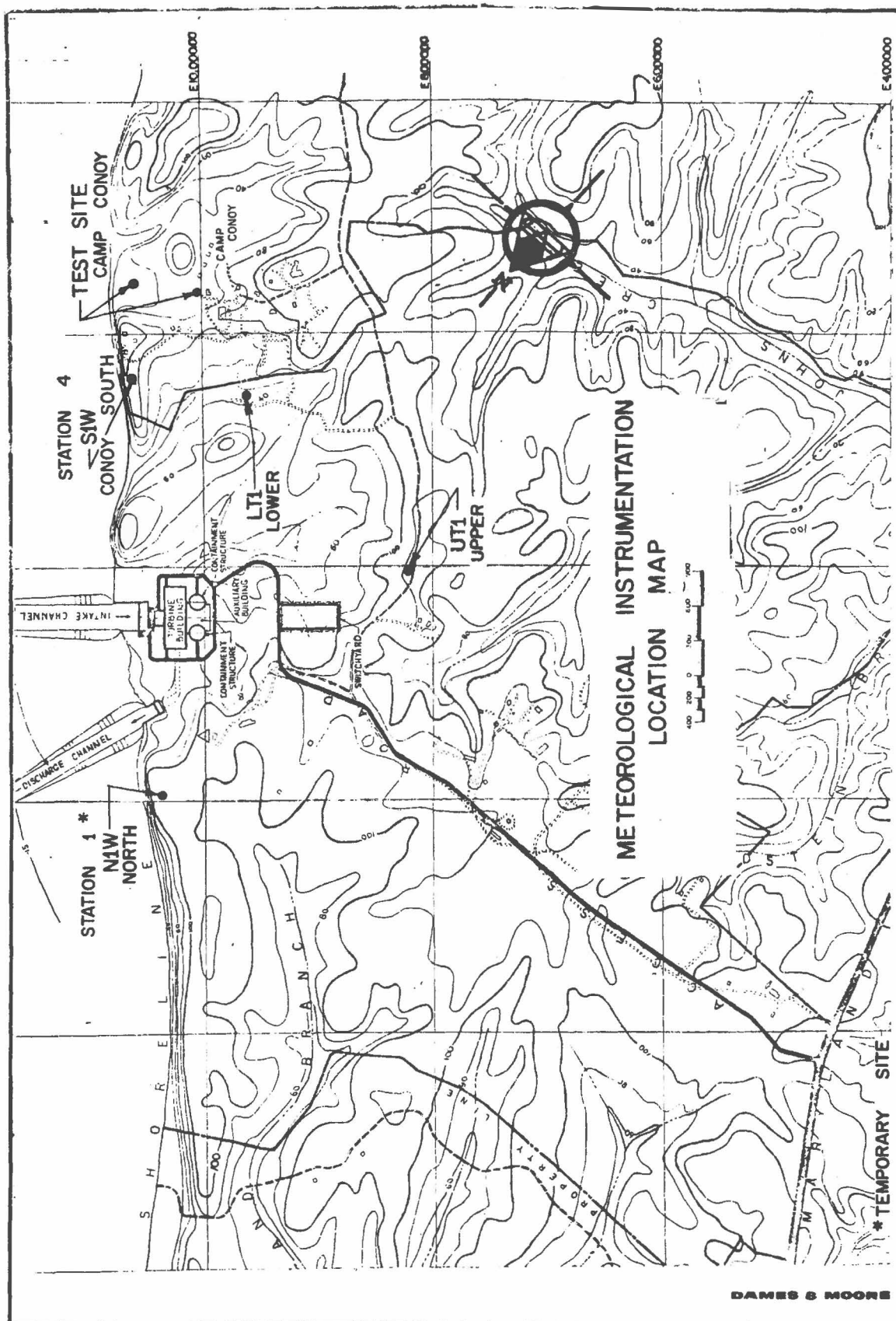
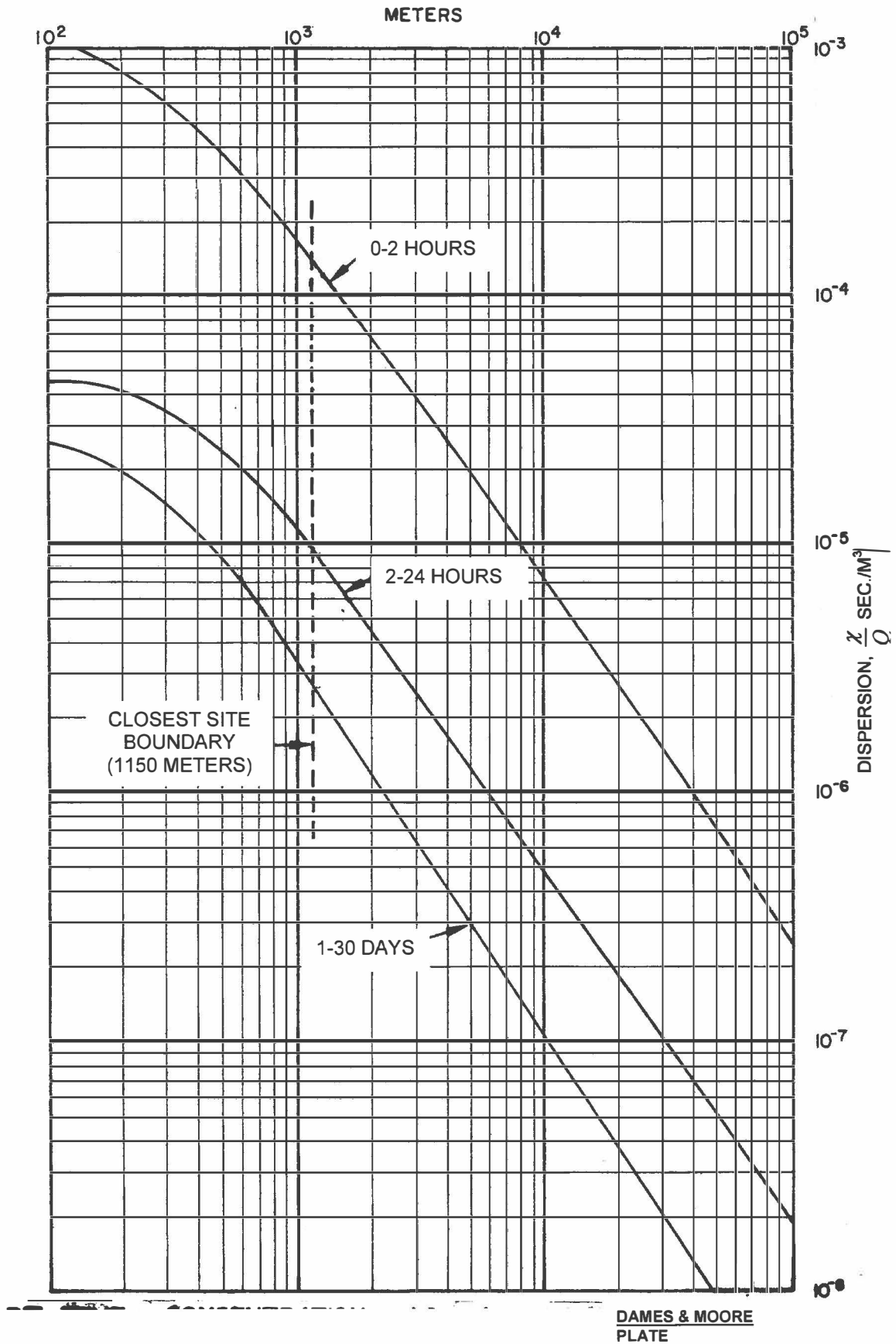
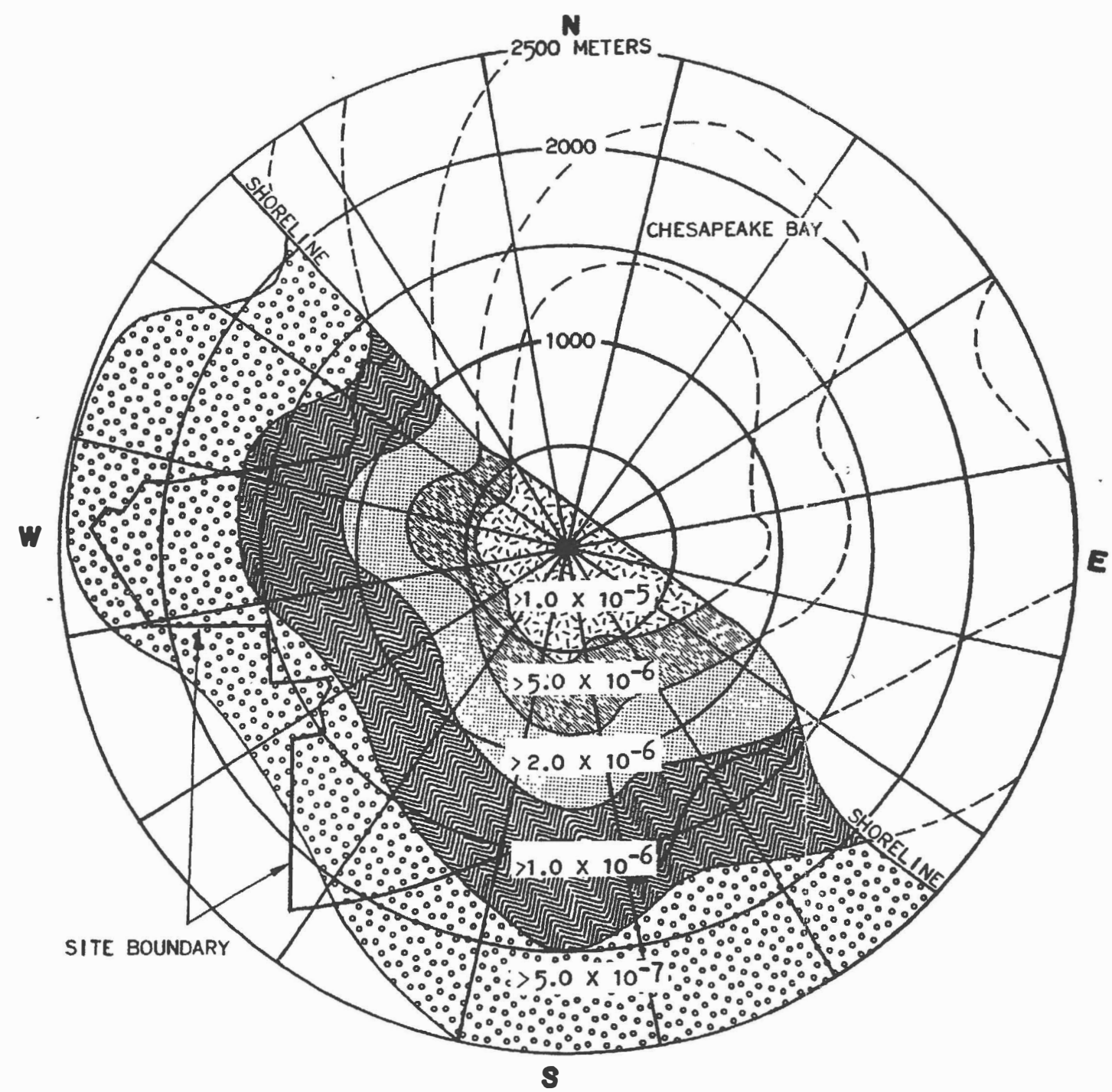


FIGURE 2.3-3
RELATIVE CONCENTRATION AS A FUNCTION OF DISTANCE FROM RELEASE POINT





AVERAGE ANNUAL VENTING RELATIVE CONCENTRATION

FIGURE 2.3 - 4

(Rev. 3/3/72)

RAMMO & MOORE

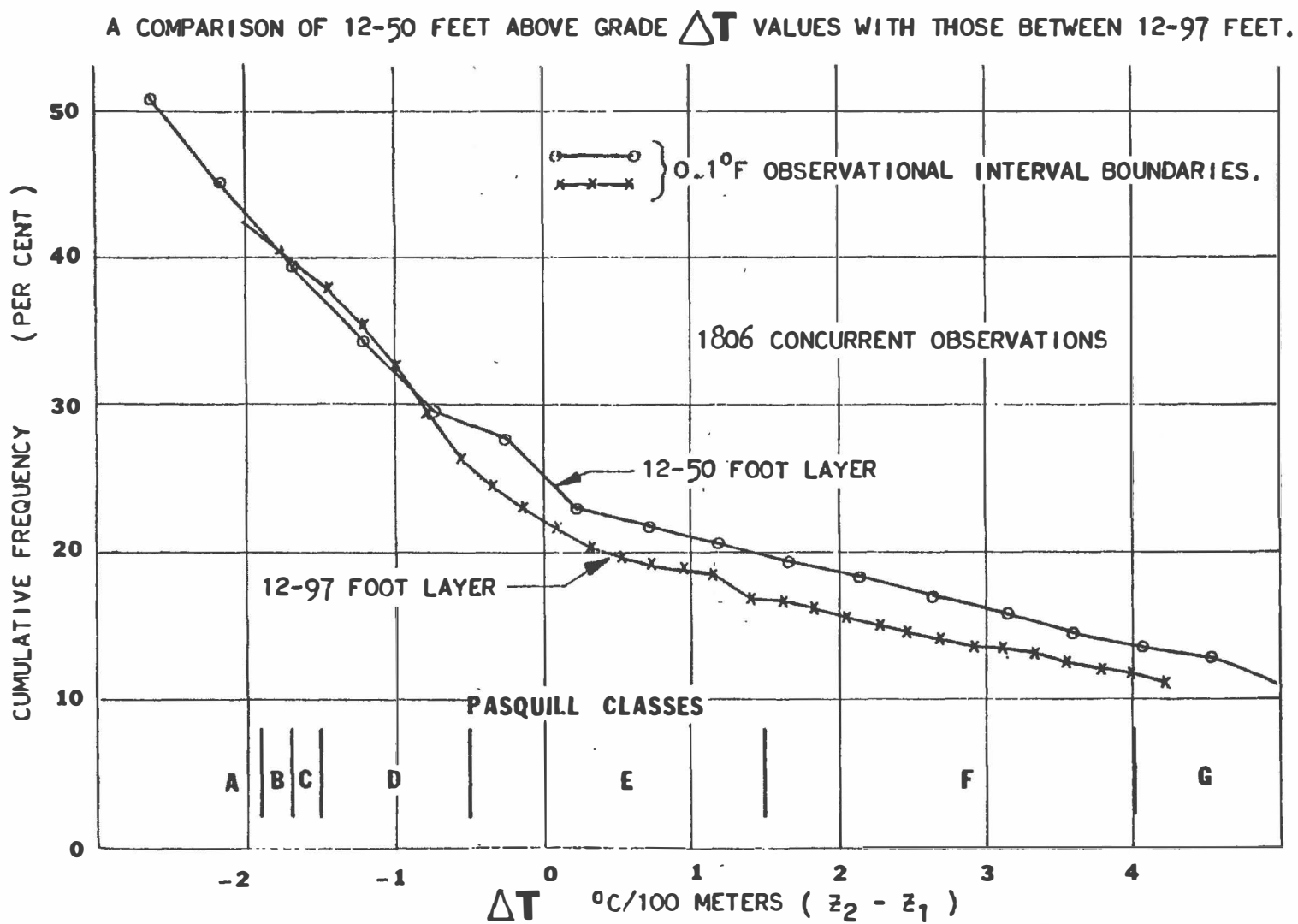
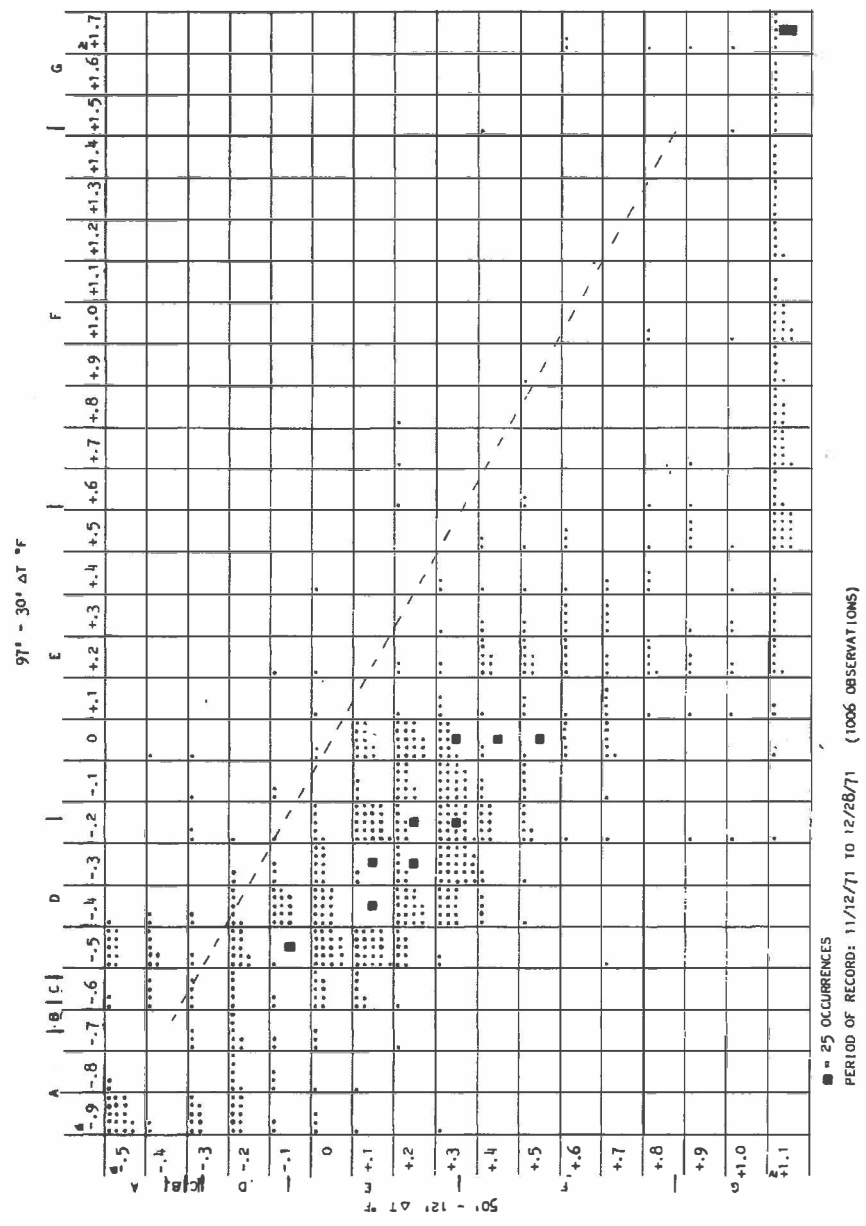


FIGURE 2.3-5

Rev. 10/22/71

DAMES & MOORE

2.3-6 CONCURRENT OBSERVATIONS OF VERTICAL THERMAL GRADIENTS AT THE 50-12 FOOT AND THE 97-30 FOOT LEVELS ABOVE GRADE



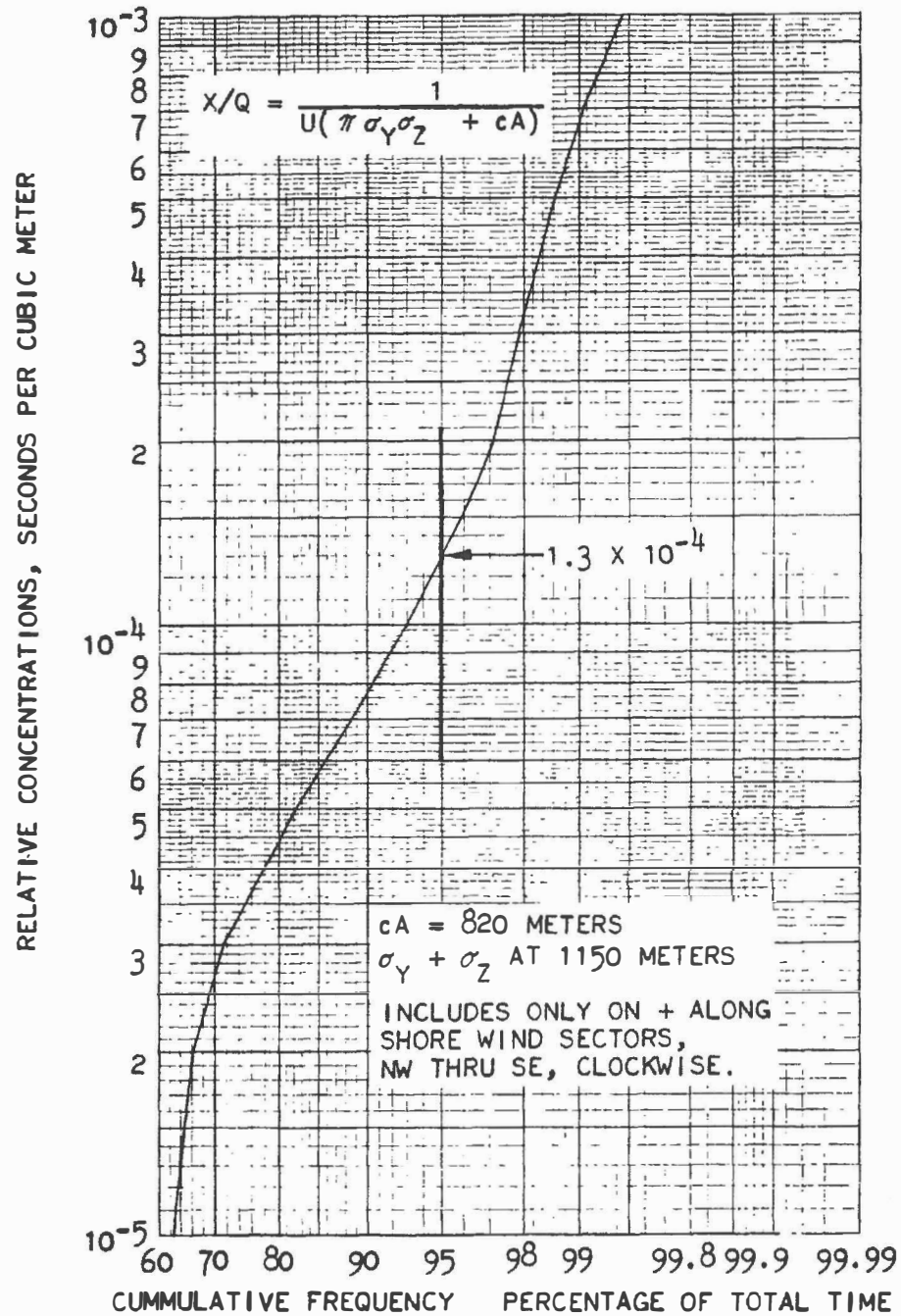
(CONCURRENT OBSERVATIONS OF VERTICAL THERMAL GRADIENTS
AT THE 50' - 12 FOOT AND THE 97' - 30 FOOT LEVELS ABOVE GRADE.)

FIGURE 23-6

(Rev. 3/3/72)

DAMES & MOORE

FREQUENCIES OF ON-SHORE RELATIVE CONCENTRATIONS
ASSUMING AN INVARIANT CENTERLINE WIND



σ_z DETERMINED BY 12 - 50 FT. ΔT PASQUILL CLASSES
 σ_y DETERMINED BY 12 - 50 FT. ΔT PASQUILL CLASSES AT WIND ≥ 3 MPH
 AND BY 33 FT. LEVEL σ_0 PASQUILL CLASSES AT WINDS > 3 MPH

FIGURE 2.3 - 7

(Rev. 3/3/72)

DAMES & MOORE

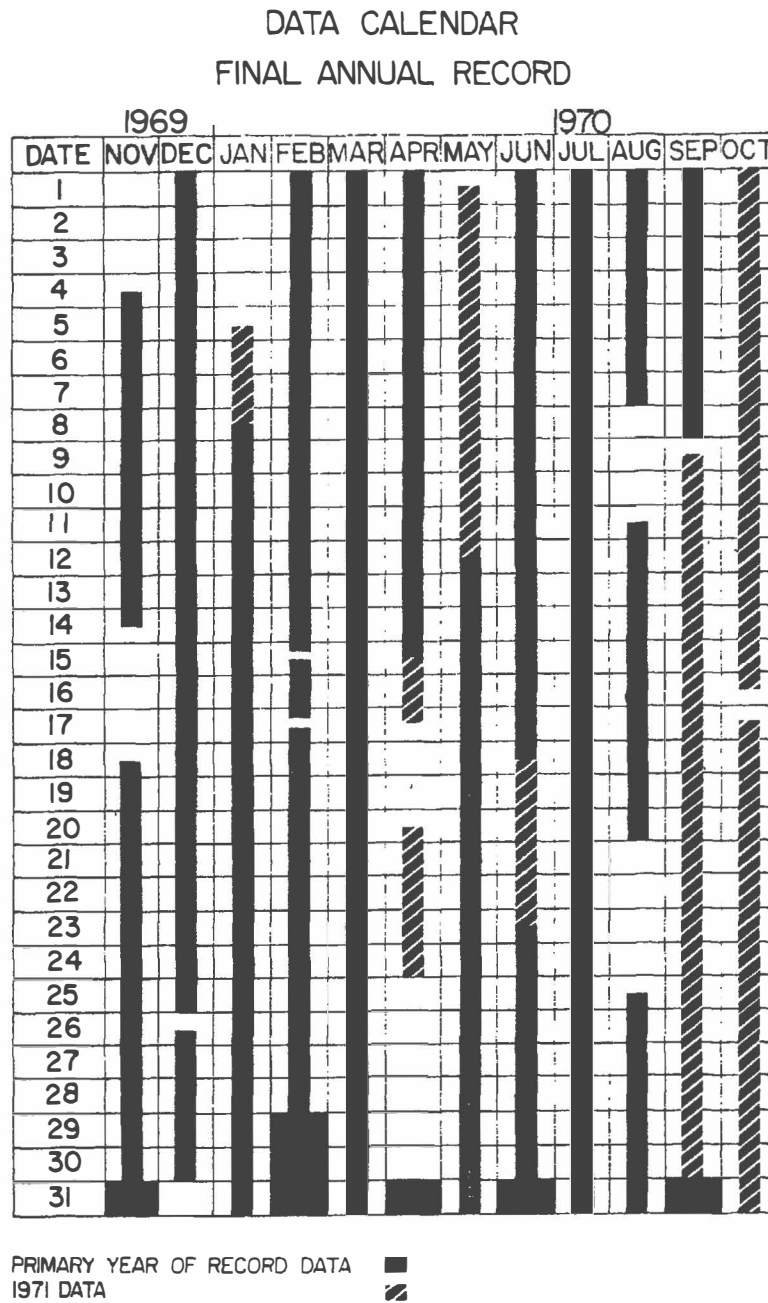


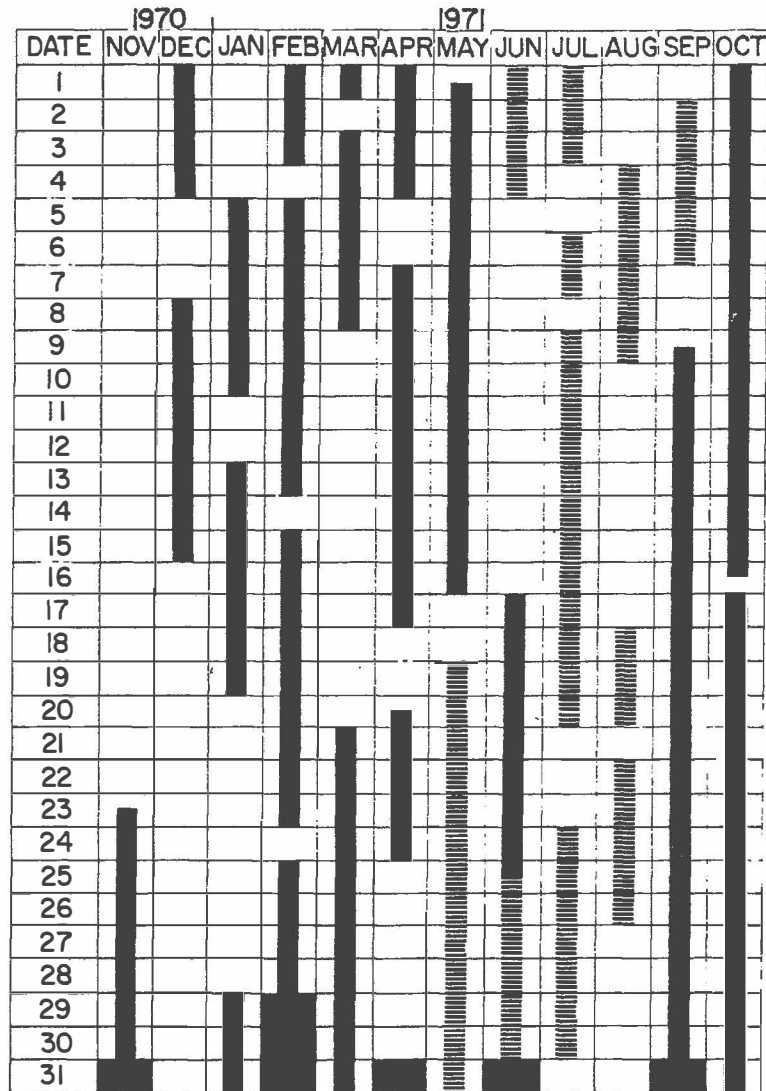
FIGURE 2.3-8

(Rev. 3/3/72)

DAMES & MOORE

DATA CALENDAR

NOVEMBER 1970 THROUGH OCTOBER 1971



33 FT LEVEL WIND, AND 50-12 FT LEVEL ΔT DATA ARE NECESSARY
FOR X/Q ANALYSIS

ALL NECESSARY DATA AVAILABLE ■
50-12 FT ΔT DATA AVAILABLE 100 FT LEVEL WIND DATA ARE . . ■
AVAILABLE INSTEAD OF 33 FT LEVEL DATA

FIGURE 23-9

(Rev. 3/3/72)

DAMES & MOORE

WIND FREQUENCY DISTRIBUTION

(FREQUENCY IN NUMBER OF OCCURRENCES)

CALVERT CLIFFS PLANT SITE: STATION 2(1S)
 DATA PERIOD: NOVEMBER 1, 1969 THROUGH OCTOBER 31, 1970
 (WITH 1971 DATA SUBSTITUTIONS)

(Rev. 3/3/72)

PASQUILL A (FROM ARC/DELTA T CRITERIA, 50-18 FEET)
 PASQUILL A (FROM ARC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
N	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ENE	1	0	0	0	0	0	0	0	0	0	0	0	1	1.90
E	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ESE	0	0	0	0	0	0	0	0	0	0	0	0	1	3.80
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SSE	0	0	0	0	0	0	0	0	0	0	0	0	1	8.70
S	0	0	0	0	0	2	2	0	0	0	0	0	7	4.94
SSW	0	0	0	0	1	1	1	0	0	0	0	0	11	4.80
SW	0	0	0	0	2	1	0	0	0	0	0	0	10	3.86
WSW	0	0	0	0	4	4	0	0	0	0	0	0	14	4.04
W	0	0	0	0	5	6	0	1	0	0	0	1	21	4.71
WNW	0	0	0	0	0	0	1	0	0	0	0	0	2	4.75
NW	0	0	0	0	0	0	0	0	0	0	0	0	2	4.05
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	1
N	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL	1	3	10	18	14	18	4	1	0	0	0	1	70	4.37

PASQUILL A (FROM ARC/DELTA T CRITERIA, 50-18 FEET)
 PASQUILL B (FROM ARC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED
NNE	0	0	0	1	1	0	0	0	0	0	0	0	8	3.75
N	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
E	0	0	0	0	1	0	0	0	0	0	0	0	1	4.50
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SE	0	0	0	0	1	0	0	0	0	0	0	0	1	5.00
SSE	0	0	1	0	0	0	0	0	0	0	0	0	1	8.30
S	0	0	0	1	2	3	1	0	0	0	0	0	9	8.08
SSW	1	1	0	1	0	0	0	0	0	0	0	0	3	1.87
SW	0	1	0	0	0	1	0	0	0	0	0	0	2	3.43
WSW	0	0	0	2	1	0	0	0	0	0	0	1	4	5.81
W	0	0	0	0	3	1	1	0	0	2	1	2	13	5.67
WNW	0	0	0	1	0	1	0	1	0	0	0	0	3	5.30
NW	0	0	1	0	0	0	0	0	0	1	0	0	2	5.80
NNW	0	0	0	0	0	0	1	0	0	1	0	0	2	8.05
N	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL	1	2	2	6	9	8	3	1	0	4	1	3	40	5.37

PASQUILL A (FROM ARC/DELTA T CRITERIA, 50-18 FEET)
 PASQUILL C (FROM ARC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED
NNE	0	0	0	0	3	2	1	0	0	0	0	0	6	5.15
N	0	0	0	0	1	0	0	0	0	0	0	0	4	3.68
ENE	0	0	0	0	0	0	0	0	0	0	0	0	5	4.70
E	0	0	0	1	0	0	0	0	0	0	0	0	3	4.83
ESE	0	0	0	0	0	0	1	0	0	0	0	0	3	3.93
SE	0	0	0	1	0	0	0	0	1	0	0	0	2	4.50
SSE	0	0	0	0	1	2	0	1	2	0	0	1	7	7.19
S	0	0	0	0	0	0	1	0	0	0	0	0	3	4.97
SSW	0	0	0	1	0	0	1	0	0	0	0	0	4	3.00
SW	0	0	0	1	0	0	0	0	0	0	0	0	1	3.70
WSW	0	0	0	0	1	0	0	0	0	0	0	1	4	5.38
W	0	0	1	2	2	0	1	0	1	1	1	2	12	6.77
WNW	0	0	0	2	3	2	0	2	1	0	1	1	15	6.80
NW	0	0	0	0	1	0	2	4	1	0	2	1	11	7.95
NNW	0	0	0	0	1	2	0	0	1	1	0	1	10	6.47
N	0	0	0	0	1	3	3	0	0	0	0	0	7	5.74
TOTAL	0	3	6	13	20	15	12	4	7	4	3	7	97	5.95

PASQUILL A (FROM ARC/DELTA T CRITERIA, 50-18 FEET)
 PASQUILL D (FROM ARC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED
NNE	0	1	0	3	7	5	7	5	1	2	1	0	32	6.10
N	0	0	1	7	10	3	6	2	2	0	0	0	31	5.83
ENE	0	0	1	0	10	2	3	0	1	0	1	0	18	5.40
E	0	0	0	3	8	4	5	2	3	0	0	0	23	5.83
ESE	0	1	1	1	2	4	2	3	1	1	0	0	14	5.82
SE	0	0	1	3	2	2	1	1	1	0	0	0	12	5.85
SSE	0	1	3	2	2	1	1	1	1	0	0	0	12	5.81
S	0	3	2	2	1	3	2	4	3	0	0	0	16	4.33
SSW	0	2	1	0	2	1	2	1	0	0	0	1	9	4.37
SW	1	3	0	1	1	2	0	1	0	0	0	0	9	3.54
WSW	0	1	3	0	0	0	0	0	0	4	0	2	10	7.82
W	0	1	2	3	2	0	1	1	0	3	1	3	17	6.84
WNW	0	0	0	3	3	3	3	0	1	0	0	4	19	7.50
NW	0	0	1	1	4	5	3	4	5	4	5	12	44	8.83
NNW	0	0	0	1	2	7	4	3	4	6	1	10	38	8.87
N	0	0	0	5	3	6	7	10	3	2	2	3	41	7.10
TOTAL	1	13	16	35	66	48	46	30	27	23	14	34	361	6.61

Figure 2.3-10, sheet 1
 Revision 18

THE DISTRIBUTION OF WIND SPEED, DIRECTION, AND OF PASQUILL CLASSES DURING
 AT PASQUILL CLASS A CONDITION IN THE FINAL ANNUAL RECORD

DAMES & MOORE

WIND FREQUENCY DISTRIBUTION

(FREQUENCY IN NUMBER OF OCCURRENCES)

CALVERT CLIFFS PLANT SITE: STATION 2(15)

DATA PERIOD: NOVEMBER 1, 1969 THROUGH OCTOBER 31, 1970

(WITH 1971 DATA SUBSTITUTIONS)

(Rev. 3/3/72)

PASQUILL A (FROM AEC/DELTA T CRITERIA, 50-18 FEET)
PASQUILL E (FROM AEC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED
NNE	0	0	0	0	12	13	12	10	8	0	5	3	69	6.48
NNE	0	0	0	0	5	3	3	4	8	0	0	0	19	6.85
NNE	0	0	0	0	3	4	4	1	0	0	0	0	12	6.88
NNE	0	0	0	0	3	1	3	3	1	1	0	0	17	6.82
NNE	0	0	0	0	3	1	1	3	2	1	0	0	13	6.98
NNE	0	0	0	0	4	2	2	2	3	1	1	0	17	6.74
NNE	0	0	0	0	1	3	0	3	1	1	0	0	12	6.64
NNE	0	1	0	1	1	0	0	0	0	0	0	0	3	4.58
NNE	0	0	0	0	0	0	0	1	1	2	0	0	4	9.00
NNE	0	0	0	0	0	0	0	0	1	1	0	0	2	6.57
NNE	0	0	0	0	0	0	0	0	0	0	0	0	2	4.97
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	2	4	16	47	57	61	44	34	27	30	38	363	7.48

PASQUILL A (FROM AEC/DELTA T CRITERIA, 50-18 FEET)
PASQUILL F (FROM AEC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED
NNE	0	0	1	0	0	1	3	7	1	8	8	3	20	6.88
NNE	0	0	0	4	0	8	1	1	1	2	1	0	11	6.07
NNE	0	0	0	8	1	0	0	0	0	0	0	0	3	4.13
NNE	0	0	0	1	0	1	0	0	0	0	0	0	3	4.40
NNE	0	0	0	0	0	1	0	0	1	0	0	0	3	7.80
NNE	0	0	0	0	0	0	0	0	1	0	0	0	1	7.10
NNE	0	0	0	0	0	0	0	0	1	0	0	0	1	5.35
NNE	0	0	0	1	0	0	0	0	1	0	0	0	3	7.73
NNE	0	1	0	0	0	1	1	0	0	0	0	0	3	4.43
NNE	0	1	0	0	0	0	0	0	0	0	0	0	1	8.00
NNE	0	0	0	1	0	0	0	0	0	0	0	0	1	4.00
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	2	2	9	8	8	3	13	12	13	9	22	107	6.88

PASQUILL A (FROM AEC/DELTA T CRITERIA, 50-18 FEET)
PASQUILL G (FROM AEC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED
NNE	0	0	0	0	0	3	0	0	1	0	0	1	5	8.04
NNE	0	0	0	0	0	1	0	1	8	1	0	0	5	6.14
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	1	0	0	0	0	0	0	1	5.80
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL	0	0	1	1	2	11	2	4	7	5	1	3	37	7.49

PASQUILL A (FROM AEC/DELTA T CRITERIA, 50-18 FT.)
WINDS AT 33 FEET ABOVE GRADE

SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED
NNE	0	1	3	8	24	24	23	22	19	4	8	7	136	6.69
NNE	0	0	8	13	17	9	12	6	8	8	0	0	71	5.74
NNE	0	0	1	3	17	6	7	1	1	0	1	0	40	5.53
NNE	0	0	0	10	18	15	7	4	4	1	0	0	53	5.55
NNE	0	1	3	8	3	7	9	7	4	8	0	0	38	6.83
NNE	0	0	1	5	8	8	8	4	4	3	1	0	33	6.16
NNE	0	1	7	4	11	8	8	6	6	1	0	1	47	6.84
NNE	0	2	3	6	8	10	7	7	0	0	1	0	40	4.64
NNE	1	6	2	4	3	4	4	8	1	8	0	0	33	4.81
NNE	0	3	1	8	3	4	4	4	1	1	1	0	36	4.79
NNE	0	8	11	8	8	3	1	0	6	1	7	0	58	5.79
NNE	0	4	11	19	10	4	3	9	8	4	10	0	81	6.55
NNE	0	0	3	5	18	6	6	4	3	3	4	8	59	6.89
NNE	0	0	3	8	8	7	7	11	14	10	19	26	107	6.02
NNE	0	0	0	3	7	13	12	8	13	23	10	27	128	6.83
NNE	0	0	0	7	16	35	34	27	20	13	12	23	189	7.77
CALV													0	
TOTAL	6	23	48	104	170	170	143	119	99	83	88	119	1158	6.89

Figure 2.3-10, sheet 2
Revision 18
THE DISTRIBUTION OF WIND SPEED, DIRECTION, AND σ_θ PASQUILL CLASSES DURING
AT PASQUILL CLASS A CONDITION IN THE FINAL ANNUAL RECORD

DAMES & MOORE

WIND FREQUENCY DISTRIBUTION

(FREQUENCY IN NUMBER OF OCCURRENCES)

CALVERT CLIFFS PLANT SITE: STATION 2(1S)

DATA PERIOD: NOVEMBER 1, 1969 THROUGH OCTOBER 31, 1970

(WITH 1971 DATA SUBSTITUTIONS)

(Rev. 3/3/72)

PASQUILL B (FROM AEC/DELTA 1 CRITERIA, 50-18 FEET)										
PASQUILL E (FROM AEC/SIONA THETA CRITERIA RANGE USED)										
SECTOR	1	2	3	4	5	6	7	8	9	10
NNE	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0
N	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0
MEAN	4	5.95	4	5.95	4	5.95	4	5.95	4	5.95
TOTAL	4	5.95	4	5.95	4	5.95	4	5.95	4	5.95

PASQUILL B (FROM AEC/DELTA 1 CRITERIA, 50-18 FEET)										
PASQUILL D (FROM AEC/SIONA THETA CRITERIA RANGE USED)										
SECTOR	1	2	3	4	5	6	7	8	9	10
NNE	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0
N	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0
MEAN	4	5.95	4	5.95	4	5.95	4	5.95	4	5.95
TOTAL	4	5.95	4	5.95	4	5.95	4	5.95	4	5.95

Figure 2.3-10, sheet 4
Revision 18THE DISTRIBUTION OF WIND SPEED, DIRECTION, AND σ_0 PASQUILL CLASSES DURING
AT PASQUILL CLASS B CONDITION IN THE FINAL ANNUAL RECORD

DAMES & MOORE

WIND FREQUENCY DISTRIBUTION

(FREQUENCY IN NUMBER OF OCCURRENCES)

CALVERT CLIFFS PLANT SITE: STATION 2(1S)
 DATA PERIOD: NOVEMBER 1, 1969 THROUGH OCTOBER 31, 1970
 (WITH 1971 DATA SUBSTITUTIONS)

(Rev. 3/3/72)

PASQUILL E (FROM AEC/Delta T CRITERIA, 50-18 FEET)											
PASQUILL A (FROM AEC/SIGMA THETA CRITERIA) RANGE USED											
SECTOR	1	2	3	4	5	6	7	8	9	10	11
NNE	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0
N	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4	48	97	78	95	36	13	7	3	3	1
MEAN											
TOTAL											

PASQUILL E (FROM AEC/Delta T CRITERIA, 50-18 FEET)											
PASQUILL D (FROM AEC/SIGMA THETA CRITERIA) RANGE USED											
SECTOR	1	2	3	4	5	6	7	8	9	10	11
NNE	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0
N	0	0	0	0	0	0	0	0	0	0	0
TOTAL	7	38	89	111	99	80	73	56	50	43	33
MEAN											
TOTAL											

Figure 2.3-10, sheet 9
 Revision 18

THE DISTRIBUTION OF WIND SPEED, DIRECTION, AND σ_θ PASQUILL CLASSES DURING
 AT PASQUILL CLASS E CONDITION IN THE FINAL ANNUAL RECORD

DAMES & MOORE

(FREQUENCY IN NUMBER OF OCCURRENCES)

DATA PERIOD: NOVEMBER 1, 1969 THROUGH OCTOBER 31, 1970

[illegible]

Rev. 18

(FREQUENCY IN NUMBER OF OCCURRENCES)

CALVERT CLIFFS PLANT SITE: STATION 2(1S)
DATA PERIOD: NOVEMBER 1, 1969 THROUGH OCTOBER 31, 1970

[illegible]

PASQUILL B (FROM ACZ/DLTA T CRITERIA-30-18 FEET)														PASQUILL C (FROM ACZ/SIGMA THETA CRITERIA) RANGE USED													
PASQUILL D (FROM ACZ/SIGMA THETA CRITERIA) RANGE USED																											
SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED													
HNE	0	0	0	0	0	0	0	0	0	0	0	0	0	4.50													
HKE	0	0	0	0	0	0	0	0	0	0	0	0	0	7.00													
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	4.00													
E	0	0	0	0	0	0	0	0	0	0	0	0	0	31.40													
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	9.50													
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
S	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
SSW	0	0	0	0	0	0	0	0	0	0	0	0	0	3.40													
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
WS	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
W	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0	4.80													
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	3.80													
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	3.60													
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	6.53													
D	0	0	0	0	0	0	0	0	0	0	0	0	0	16.361													
PAGE	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	7.06													

THE DISTRIBUTION OF WIND SPEED, DIRECTION, AND σ_θ PASQUILL CLASSES DURING
 ΔT PASQUILL CLASS B CONDITION IN THE PRIMARY YEAR OF RECORD

PASQUILL B (FROM REC/DLTA T CRITERIA, 50-18 FEET)													PASQUILL B (FROM REC/DLTA T CRITERIA, 50-18 FT.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
WINDS AT 33 FEET ABOVE GRADE													WINDS AT 33 FEET ABOVE GRADE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SECTOR	UPPER CLASS INTERVALS OF WIND SPEED (MPH)										MEAN	TOTAL	SECTOR	UPPER CLASS INTERVALS OF WIND SPEED (MPH)										MEAN	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	1	2	3	4	5	6	7	8	9	10				11	12	13	14	15	16	17	18	19	20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
NNE	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

THE DISTRIBUTION OF WIND SPEED, DIRECTION, AND σ_θ PASQUILL CLASSES DURING
 ΔT PASQUILL CLASS B CONDITION IN THE PRIMARY YEAR OF RECORD

WIND FREQUENCY DISTRIBUTION

(FREQUENCY IN NUMBER OF OCCURRENCES)

CALVERT CLIFFS PLANT SITE: STATION 2(1S)

DATA PERIOD: NOVEMBER 1, 1969 THROUGH OCTOBER 31, 1970

(Rev. 3/3/72)

PASQUILL E (FROM AEC/DELTA T CRITERIA 50-12 FEET)											
PASQUILL A (FROM AEC/SIGMA THETA CRITERIA RANGE USED)											
SECTOR	1	2	3	4	5	6	7	8	9	10	11
UPPER CLASS INTERVALS OF WIND SPEED (MPH)	1	2	3	4	5	6	7	8	9	10	11
NNE	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0
N	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0

PASQUILL E (FROM AEC/DELTA T CRITERIA 50-12 FEET)											
PASQUILL D (FROM AEC/SIGMA THETA CRITERIA RANGE USED)											
SECTOR	1	2	3	4	5	6	7	8	9	10	11
UPPER CLASS INTERVALS OF WIND SPEED (MPH)	1	2	3	4	5	6	7	8	9	10	11
NNE	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0	0	0	0	0
N	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0

Figure 2.3-10, sheet 23
Revision 18THE DISTRIBUTION OF WIND SPEED, DIRECTION, AND σ_θ PASQUILL CLASSES DURING
AT PASQUILL CLASS E CONDITIONS IN THE PRIMARY YEAR OF RECORD

DAMES & MOORE

Rev. 18

WIND FREQUENCY DISTRIBUTION

(FREQUENCY IN NUMBER OF OCCURRENCES)

CALVERT CLIFFS PLANT SITE: STATION 2(1S)

DATA PERIOD: NOVEMBER 1, 1969 THROUGH OCTOBER 31, 1970

(Rev. 3/3/72)

PASQUILL G (FROM AEC/DELTA T CRITERIA, 50-18 FEET)
PASQUILL A (FROM AEC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	UPPER CLASS INTERVALS OF WIND SPEED (MPH)											TOTAL	MEAN SPEED
	1	2	3	4	5	6	7	8	9	10	11	>11	
NNE	0	0	1	0	0	0	0	0	0	0	0	0	1 2.80
NE	0	0	0	0	0	0	0	0	0	0	0	0	0 1
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0 1
E	0	0	0	0	1	0	0	0	0	0	0	0	1 4.50
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0 1
SE	0	0	0	0	0	0	0	0	0	0	0	0	0 1
SSE	0	1	0	0	0	0	0	0	0	0	0	0	1 1.90
S	1	4	0	4	1	0	0	0	0	0	0	0	13 2.60
SSW	0	5	8	7	0	0	0	0	0	0	0	0	10 2.45
SW	0	2	0	0	0	0	0	0	1	0	0	0	11 2.53
WSW	0	5	5	0	1	0	0	0	0	0	0	0	9 2.21
W	0	1	0	0	0	0	0	0	0	0	0	0	9 1.81
WNW	1	4	5	0	0	0	0	0	0	0	0	0	3 2.93
NW	0	0	0	0	0	0	0	0	0	0	0	0	0 1
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0 1
N	0	0	0	0	0	0	0	0	0	0	0	0	1 3.20
TOTAL	4	23	17	9	3	0	0	0	1	0	0	0	59 2.43

PASQUILL G (FROM AEC/DELTA T CRITERIA, 50-18 FEET)
PASQUILL B (FROM AEC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	UPPER CLASS INTERVALS OF WIND SPEED (MPH)											TOTAL	MEAN SPEED
	1	2	3	4	5	6	7	8	9	10	11	>11	
NNE	1	0	1	0	0	0	0	0	0	0	0	0	2 1.55
NE	0	0	0	0	0	0	0	0	0	0	0	0	0 1
ENE	0	0	1	1	0	0	0	0	0	0	0	0	2 2.80
E	0	0	0	0	0	0	0	0	0	0	0	0	0 1
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0 1
SE	0	1	0	0	0	0	0	0	0	0	0	0	1 1.70
SSE	0	2	0	0	0	0	0	0	0	0	0	0	2 1.65
S	0	9	4	0	3	0	0	0	0	0	0	0	16 2.44
SSW	4	7	2	2	1	0	0	0	0	0	0	0	16 1.89
SW	3	3	1	0	0	0	0	0	0	0	0	0	7 1.29
WSW	0	7	1	1	0	0	0	0	0	0	0	0	9 1.80
W	0	6	5	1	0	0	0	0	0	0	0	0	18 2.12
WNW	1	4	5	1	0	0	0	0	0	0	0	0	11 2.16
NW	0	0	0	0	1	0	0	0	0	0	0	0	1 3.00
NNW	0	0	0	0	1	0	0	0	0	0	0	0	1 3.40
N	0	0	1	0	0	0	0	0	0	0	0	0	1 3.00
TOTAL	9	39	21	6	6	0	0	0	0	0	0	0	81 2.10

PASQUILL G (FROM AEC/DELTA T CRITERIA, 50-18 FEET)
PASQUILL C (FROM AEC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	UPPER CLASS INTERVALS OF WIND SPEED (MPH)											TOTAL	MEAN SPEED
	1	2	3	4	5	6	7	8	9	10	11	>11	
NNE	0	0	1	0	0	0	0	0	0	0	0	0	1 2.70
NE	0	0	0	0	0	0	0	0	0	0	0	0	0 1
ENE	0	0	0	1	0	0	0	0	0	0	0	0	1 3.20
E	0	1	0	1	0	0	0	0	0	0	0	0	2 2.60
ESE	0	1	0	0	0	0	0	0	0	0	0	0	0 1
SE	0	1	0	0	0	0	0	0	0	0	0	0	1 1.50
SSE	0	4	1	1	1	0	0	0	0	0	0	0	7 2.23
S	19	11	2	1	4	0	0	0	0	0	0	0	42 2.30
SSW	28	14	9	2	1	0	0	0	0	0	0	0	40 1.88
SW	1	0	0	0	0	0	0	0	0	0	0	0	21 1.88
WSW	0	10	5	1	0	0	0	0	0	0	0	0	17 1.91
W	0	6	15	2	0	0	0	0	0	0	0	0	20 2.40
WNW	0	0	3	0	0	0	0	0	0	0	0	0	10 3.21
NW	0	0	1	0	0	0	0	0	0	0	0	0	5 4.14
NNW	0	0	1	0	0	0	0	0	0	0	0	0	2 4.43
N	0	0	2	1	1	0	0	0	0	0	0	0	3 3.10
TOTAL	3	53	56	19	10	1	1	0	1	0	0	0	171 2.09

PASQUILL G (FROM AEC/DELTA T CRITERIA, 50-18 FEET)
PASQUILL D (FROM AEC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	UPPER CLASS INTERVALS OF WIND SPEED (MPH)											TOTAL	MEAN SPEED
	1	2	3	4	5	6	7	8	9	10	11	>11	
NNE	0	0	2	1	0	0	0	0	0	0	0	0	3 2.97
NE	1	1	0	0	1	0	0	0	0	0	0	0	3 2.07
ENE	0	0	3	1	1	0	0	0	0	0	0	0	5 3.24
E	0	2	1	0	0	1	0	0	0	0	0	0	4 2.97
ESE	0	1	1	0	0	0	0	0	0	0	0	0	2 1.80
SE	0	0	0	0	0	0	0	0	0	0	0	0	0 1
SSE	1	3	2	3	0	0	0	0	0	0	0	0	9 2.23
S	3	22	32	10	4	0	0	0	0	0	0	0	71 2.42
SSW	2	30	20	3	0	0	0	0	0	0	0	0	75 1.86
SW	2	35	19	2	0	0	0	0	0	0	0	0	59 1.87
WSW	0	10	5	1	0	0	0	0	0	0	0	0	16 1.94
W	1	13	13	3	0	0	0	0	0	0	0	0	30 2.20
WNW	1	1	3	1	0	0	0	0	0	0	0	0	10 3.11
NW	1	1	0	1	0	0	0	0	0	0	0	0	5 3.98
NNW	0	0	0	0	0	1	0	0	0	0	0	0	3 4.07
N	0	2	2	0	0	0	0	0	0	0	0	0	2 1.90
TOTAL	12	141	109	70	11	4	0	0	0	0	0	0	394 2.18

Figure 2.3-10, sheet 27

Revision 18

THE DISTRIBUTION OF WIND SPEED, DIRECTION, AND σ_g PASQUILL CLASSES DURING
AT PASQUILL CLASS G CONDITIONS IN THE PRIMARY YEAR OF RECORD

DAWES & MOORE

WIND FREQUENCY DISTRIBUTION

(FREQUENCY IN NUMBER OF OCCURRENCES)

CALVERT CLIFFS PLANT SITE: STATION 2(1S)
DATA PERIOD: NOVEMBER 1, 1969 THROUGH OCTOBER 31, 1970

(Rev. 3/3/72)

PASQUILL 0 (FROM AEC/DELTA T CRITERIA, 40-1R FEET)
PASQUILL 7 (FROM AEC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED
NNE	0	1	0	0	0	0	0	0	0	0	0	0	1	1.30
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ENE	0	0	1	0	0	0	0	0	0	0	0	0	1	3.60
E	0	0	1	0	0	0	0	0	0	0	0	0	1	1.85
ESE	1	0	0	0	0	0	0	0	0	0	0	0	1	1.00
SE	0	0	1	0	0	0	0	0	0	0	0	0	1	8.17
SSE	0	0	1	0	0	0	0	0	0	0	0	0	1	8.35
S	2	19	1	0	0	0	0	0	0	0	0	0	21	8.04
SSW	4	48	1	0	0	0	0	0	0	0	0	0	53	1.77
SW	6	34	1	0	0	0	0	0	0	0	0	0	41	1.78
WSW	2	4	1	0	0	0	0	0	0	0	0	0	7	8.87
W	2	2	0	0	0	0	0	0	0	0	0	0	4	8.55
WNW	0	0	0	0	0	0	0	0	0	0	1	0	1	3.66
NW	0	0	0	0	0	0	0	0	0	0	0	1	1	3.43
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	5.30
N	2	1	0	0	0	0	0	0	0	0	0	0	3	.83
TOTAL	22	120	64	17	7	2	0	0	0	1	1	1	235	2.12

PASQUILL 0 (FROM AEC/DELTA T CRITERIA, 50-1R FEET)
PASQUILL 0 (FROM AEC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
E	0	0	0	0	0	0	0	0	0	0	0	0	0	1.90
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	1.60
S	0	0	0	0	0	0	0	0	0	0	0	0	0	2.20
SSW	2	13	0	0	0	0	0	0	0	0	0	0	15	1.68
SW	1	34	0	0	0	0	0	0	0	0	0	0	35	1.60
WSW	0	4	0	0	0	0	0	0	0	0	0	0	4	1.45
W	0	0	0	0	0	0	0	0	0	0	0	0	0	1.60
WNW	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NW	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NNW	0	0	0	0	0	0	0	0	0	0	0	0	0	1
N	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL	3	56	7	0	0	0	0	0	0	0	0	0	63	1.61

PASQUILL 0 (FROM AEC/DELTA T CRITERIA, 50-1R FEET)
PASQUILL 7 (FROM AEC/SIGMA THETA CRITERIA) RANGE USED

SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED
NNE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
E	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ESE	1	1	0	0	0	0	0	0	0	0	0	0	2	1.15
SE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SSE	0	0	0	0	0	0	0	0	0	0	0	0	0	1
S	2	9	3	0	0	0	0	0	0	0	0	0	14	1.68
SSW	2	15	3	0	0	0	0	0	0	0	0	0	20	1.62
SW	2	20	5	1	0	0	0	0	0	0	0	0	28	1.67
WSW	2	5	0	0	0	0	0	0	0	0	0	0	7	1.30
W	0	1	0	0	0	0	0	0	0	0	0	0	1	1.30
WNW	0	1	0	0	0	0	0	0	0	0	0	0	1	3.43
NW	0	0	1	0	1	1	0	0	0	0	0	0	3	4.33
NNW	0	0	0	0	1	0	0	0	0	0	0	0	1	5.00
N	0	0	0	0	0	1	0	0	0	0	0	0	1	5.60
TOTAL	9	52	18	1	2	2	0	0	0	0	0	0	78	1.80

PASQUILL 0 (FROM AEC/DELTA T CRITERIA, 50-1R FEET)
WINDS AT 33 FEET ABOVE GRADE

SECTOR	1	2	3	4	5	6	7	8	9	10	11	>11	TOTAL	MEAN SPEED
NNE	1	1	3	1	0	0	0	0	0	0	0	0	5	8.37
NE	1	1	0	0	1	0	0	0	0	0	0	0	3	8.07
ENE	0	0	3	3	2	0	0	0	0	0	0	0	10	3.83
E	1	4	2	1	1	1	0	0	0	0	0	0	10	2.60
ESE	2	2	1	0	0	0	0	0	0	0	0	0	5	1.39
SE	0	4	1	0	0	0	0	0	0	0	0	0	5	1.94
SSE	1	18	6	4	1	0	0	0	0	0	0	0	24	2.16
S	10	82	73	22	12	0	0	0	0	0	0	0	199	2.87
SSW	15	166	54	12	2	0	0	0	0	0	0	0	249	1.83
SW	16	145	88	6	0	0	0	0	1	0	0	0	280	1.79
WSW	4	49	21	4	2	1	0	0	0	0	0	0	61	1.95
W	4	37	35	8	3	0	0	0	0	0	0	0	87	2.83
WNW	4	7	16	12	3	2	0	0	0	0	1	0	45	2.97
NW	1	1	3	3	6	8	0	0	1	0	0	1	20	4.31
NNW	0	1	1	3	2	1	1	0	0	1	0	0	10	4.55
N	2	3	3	1	1	1	0	0	0	0	0	0	11	8.48
CALC													0	
TOTAL	68	515	278	82	36	8	1	0	2	1	1	1	987	2.12

Figure 2.3-10, sheet 28
Revision 18
THE DISTRIBUTION OF WIND SPEED, DIRECTION, AND σ_θ PASQUILL CLASSES DURING
AT PASQUILL CLASS 6 CONDITIONS IN THE PRIMARY YEAR OF RECORD

DAVES & MOORE

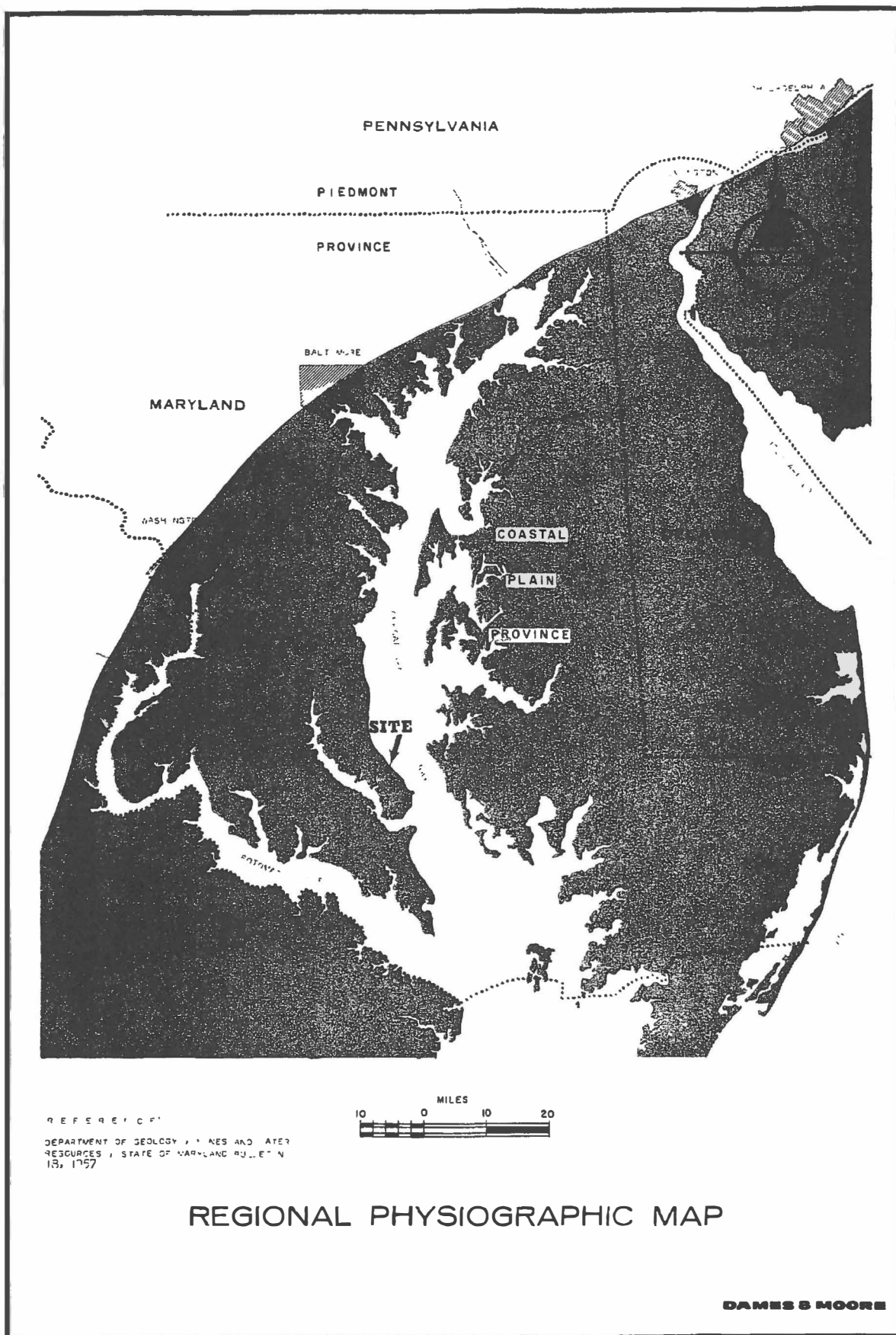


FIGURE 2.4-1

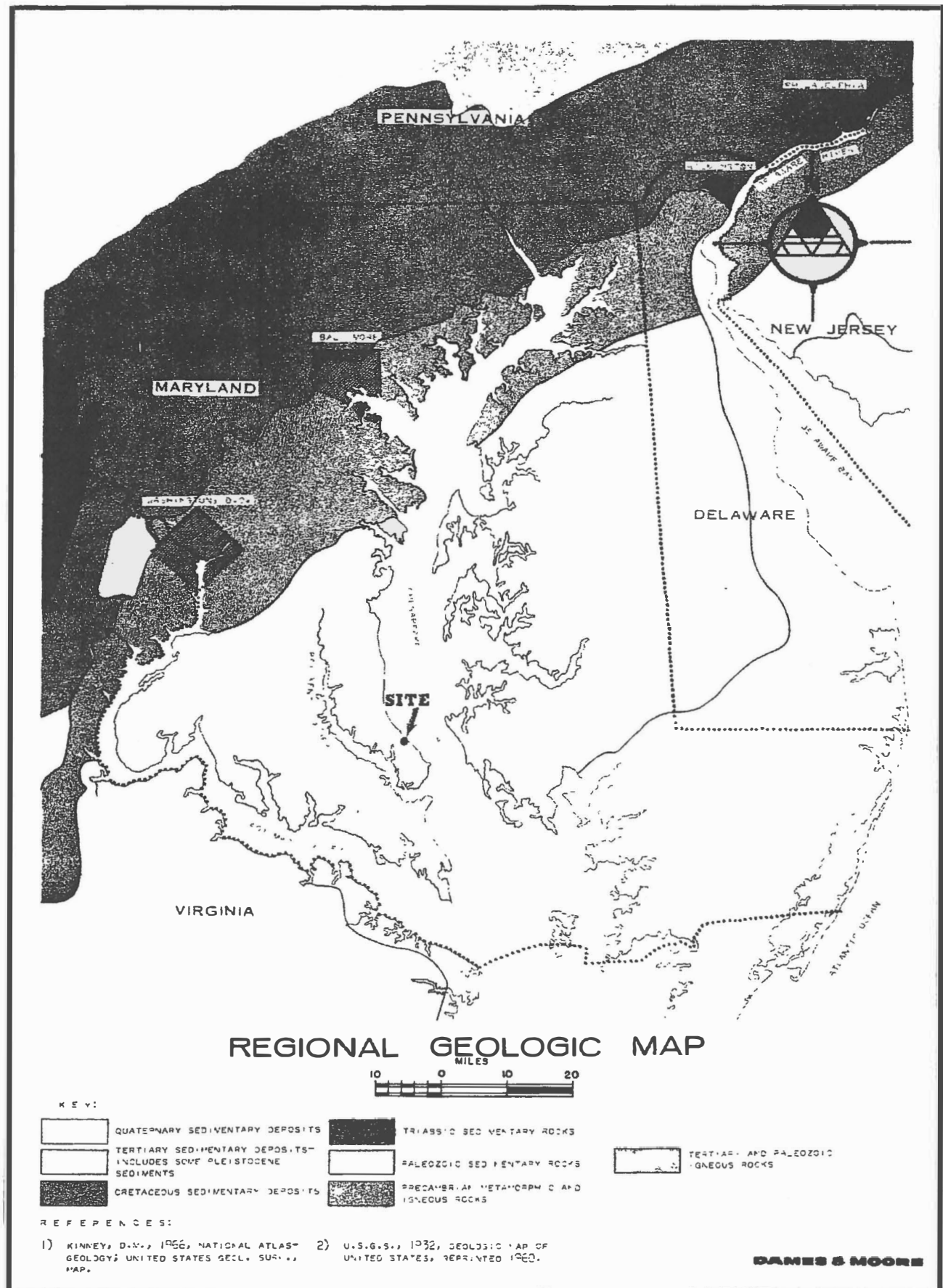
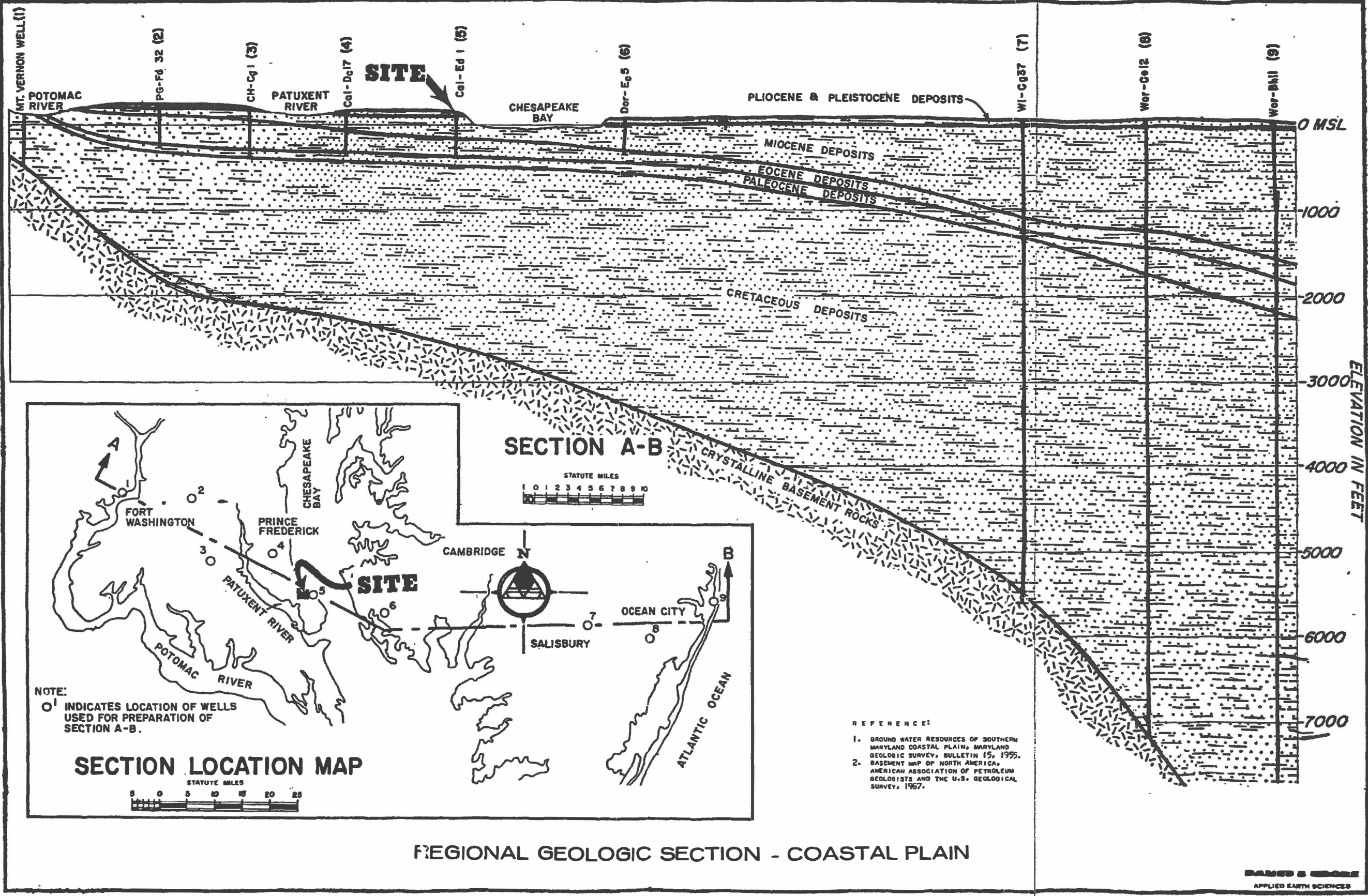
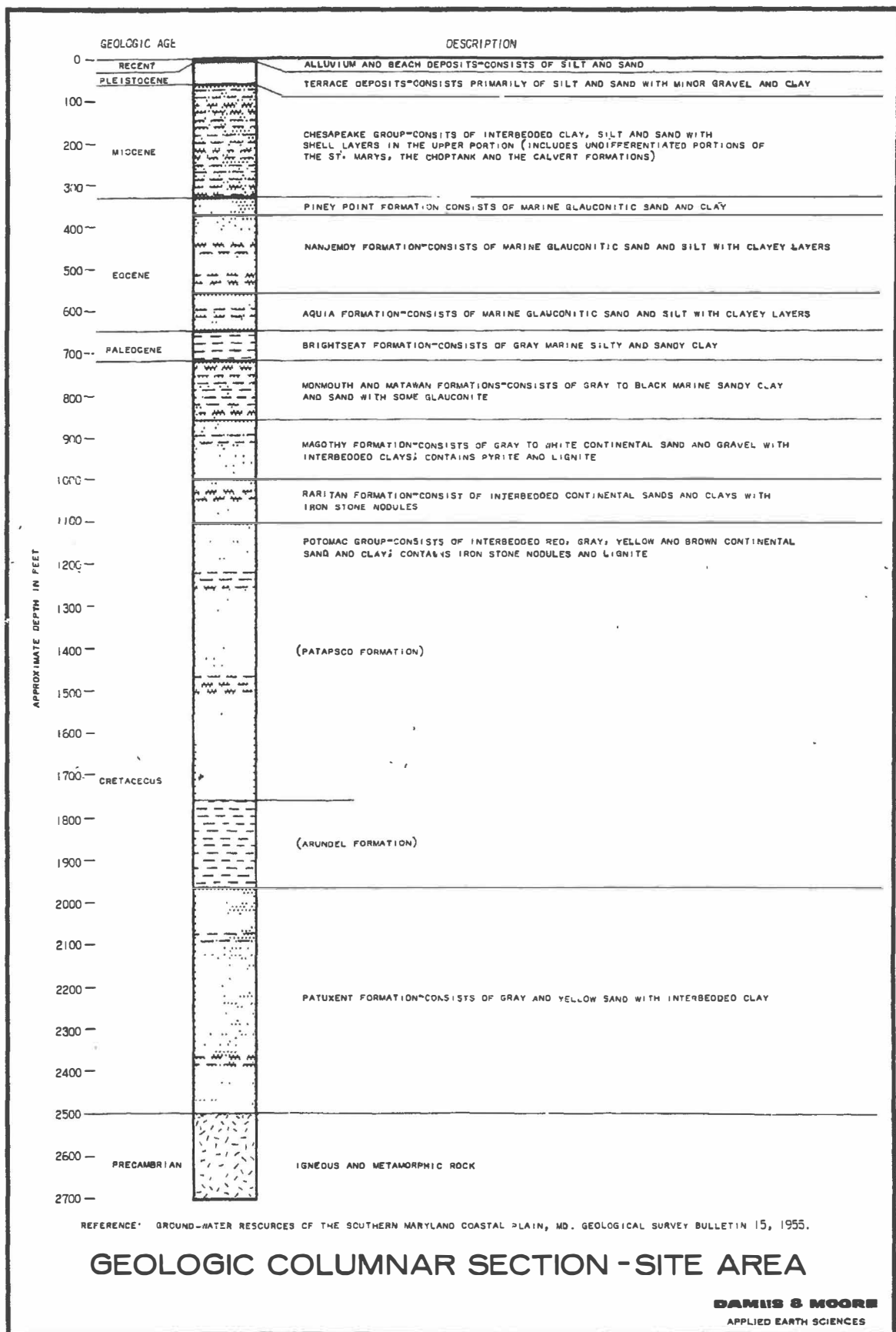
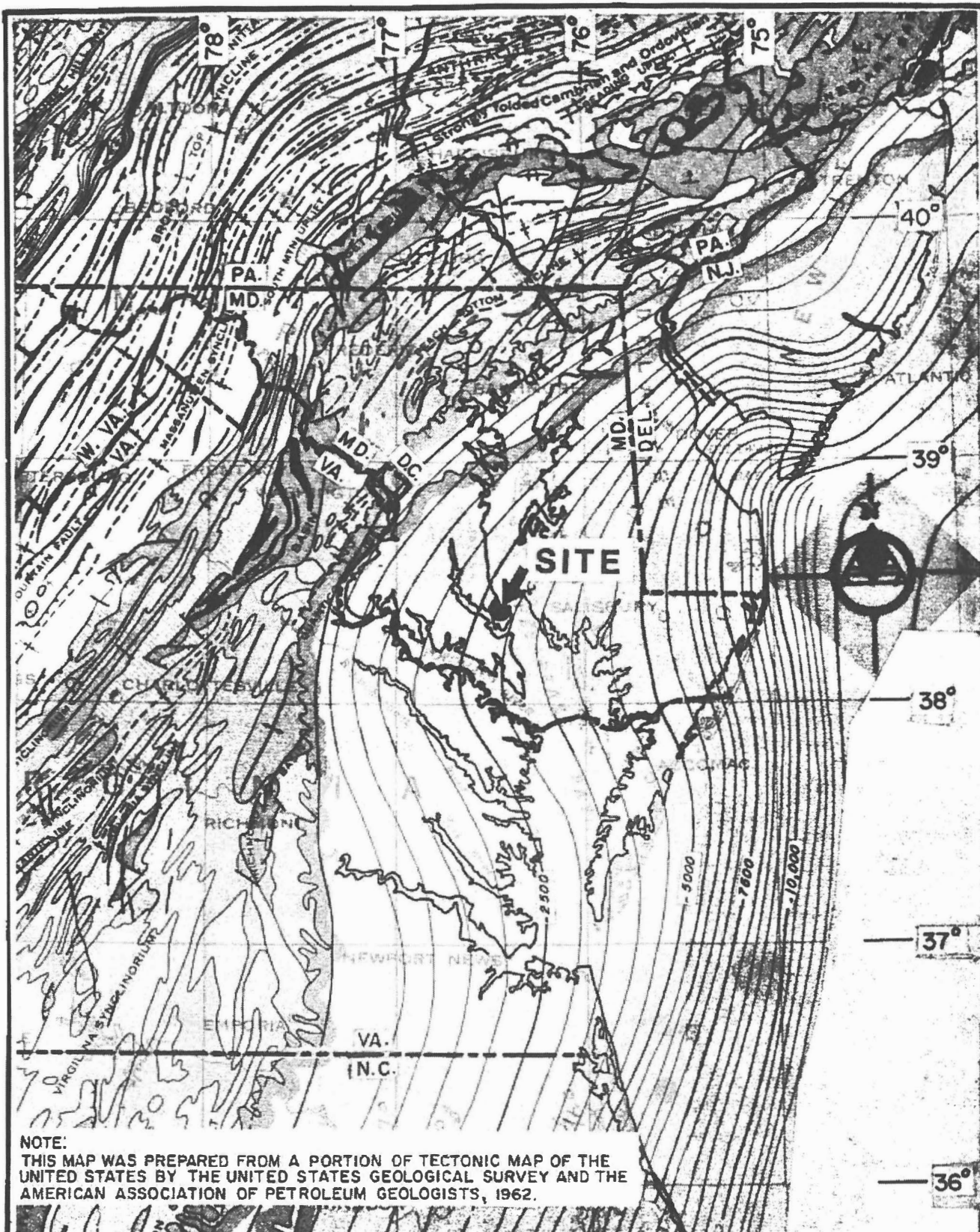


FIGURE 2.4-2



2.4-4 GEOLOGIC COLUMNAR SECTION - SITE AREA





NOTE:

THIS MAP WAS PREPARED FROM A PORTION OF TECTONIC MAP OF THE UNITED STATES BY THE UNITED STATES GEOLOGICAL SURVEY AND THE AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS, 1962.

LEGEND:

- +— ANTICLINAL AXIS
- - -+ - - - SYNCLINAL AXIS
- + DOME
- |— NORMAL FAULT
- =— THRUST FAULT
- CONTOURS ON TOP OF BASEMENT ROCKS

REGIONAL TECTONIC MAP



GAMES & MOORE
APPLIED EARTH SCIENCES

FIGURE 2.4-5



FIGURE 2.4-6

2.4-7 PLOT PLAN

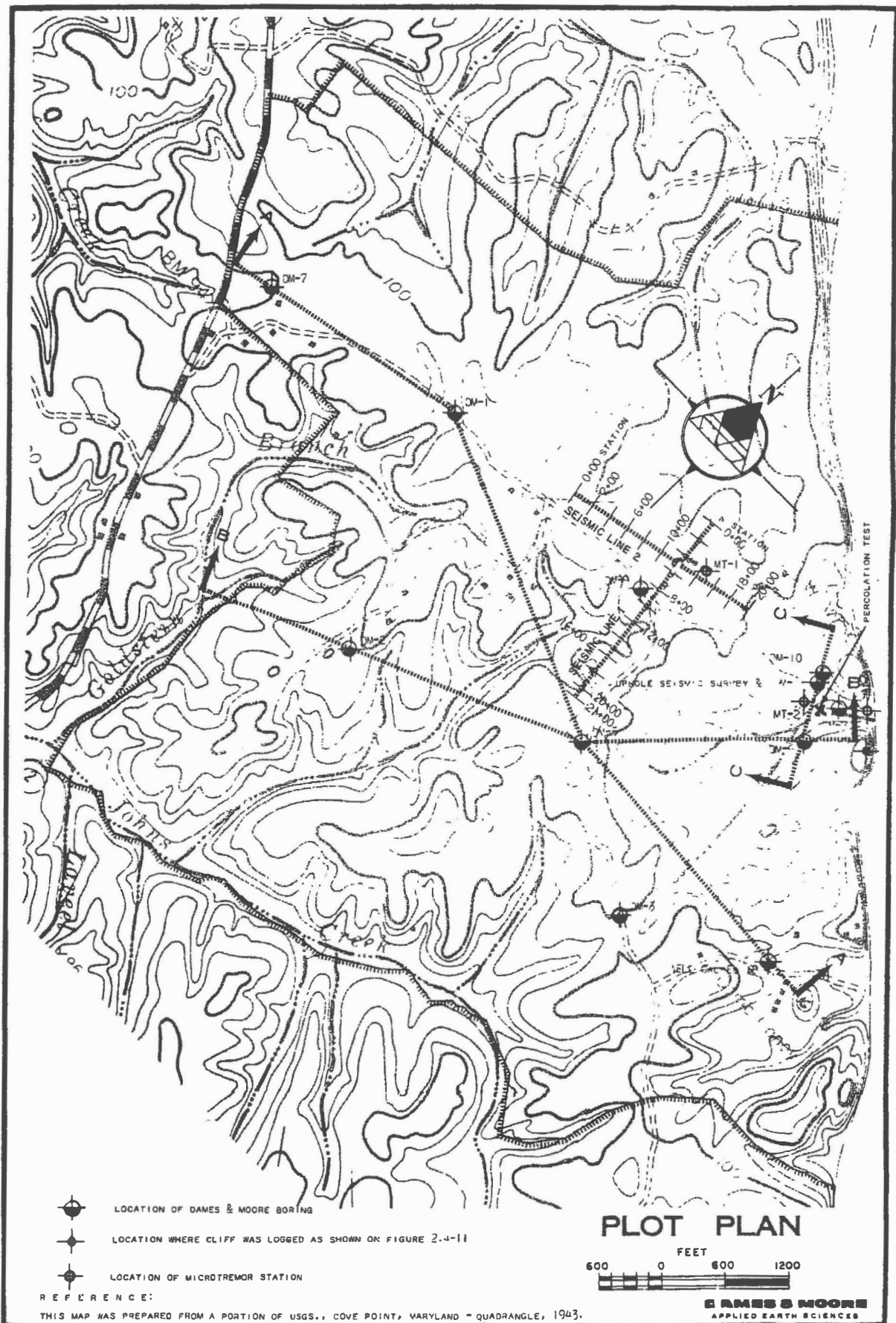
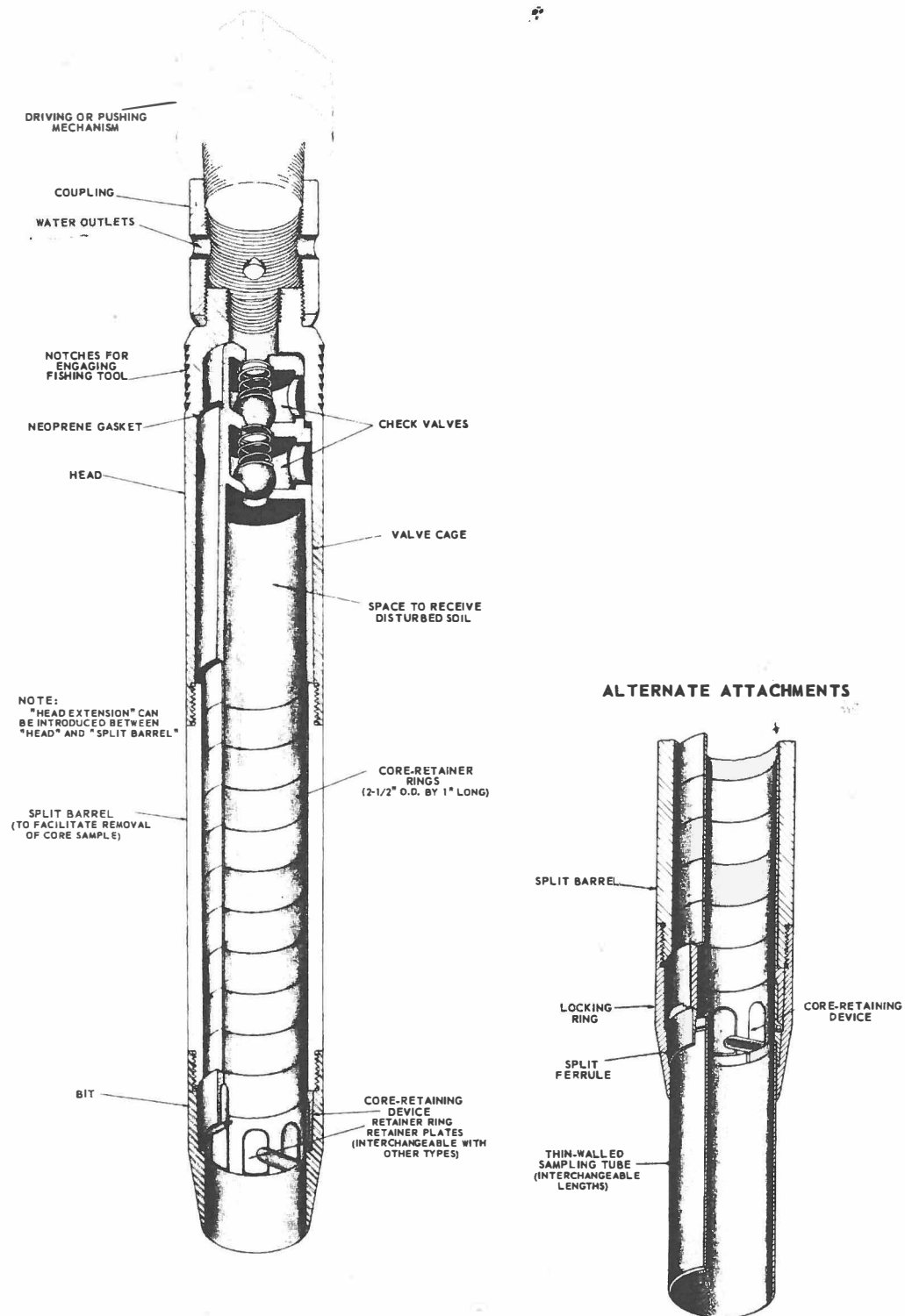


FIGURE 2.4-7

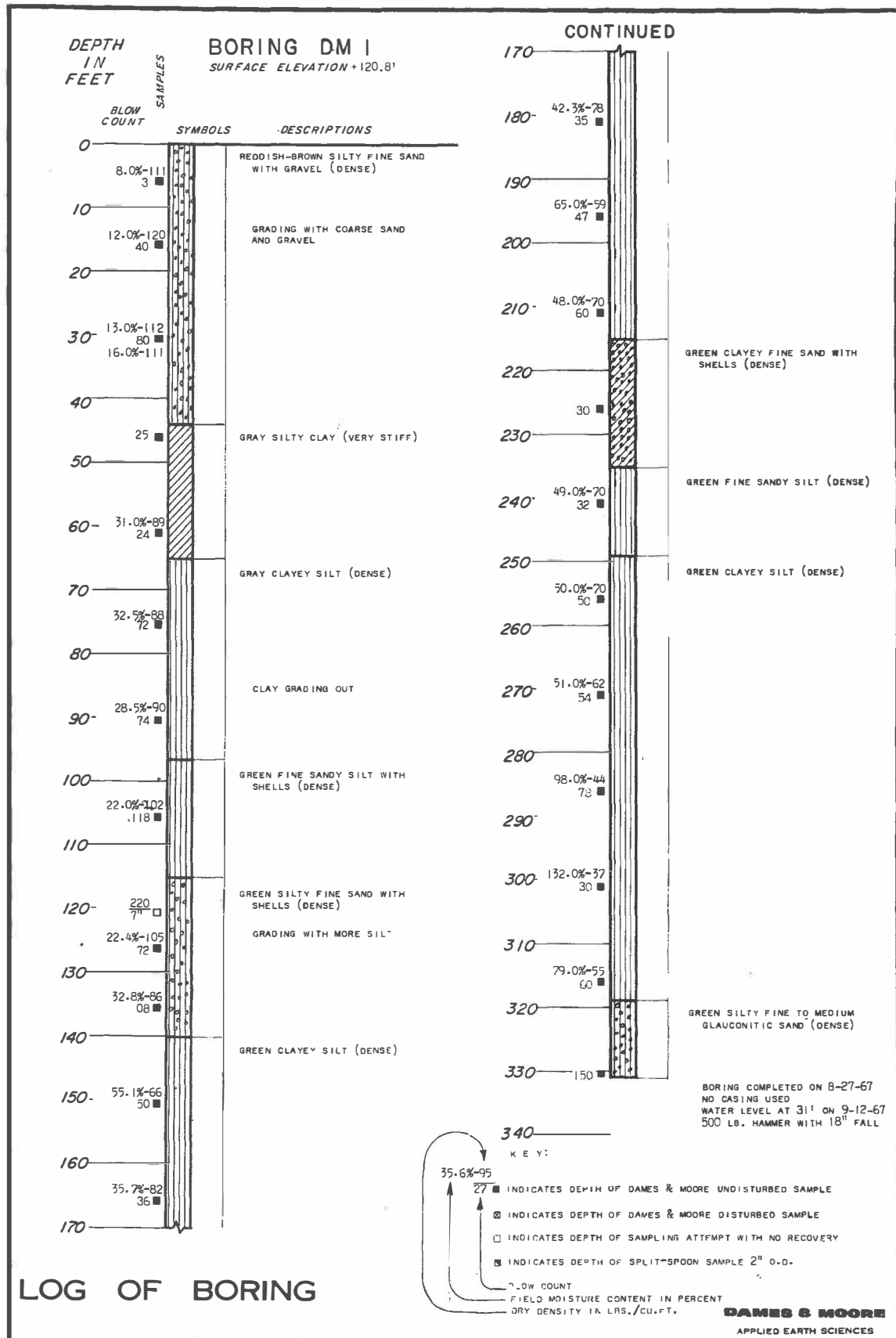
FIGURE 2.4-8
SOIL SAMPLER TYPE U FOR SOILS DIFFICULT TO RETAIN IN SAMPLER
U.S. PATENT NO. 2,318,062



SOIL SAMPLER TYPE U
FOR SOILS DIFFICULT TO RETAIN IN SAMPLER
U. S. PATENT NO. 2,318,062

DAMES & MOORE

FIGURE 2.4-9A
LOG OF BORING



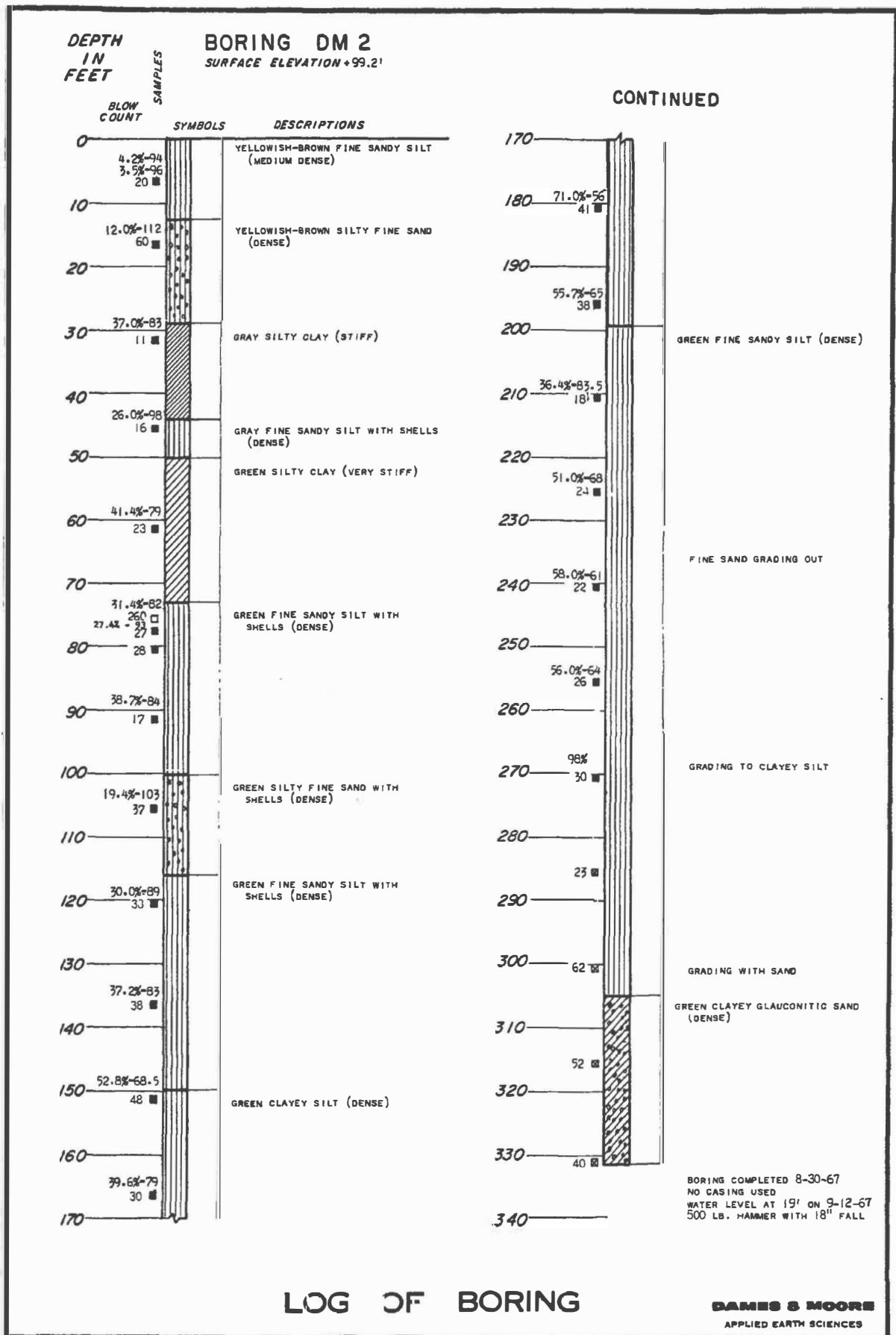
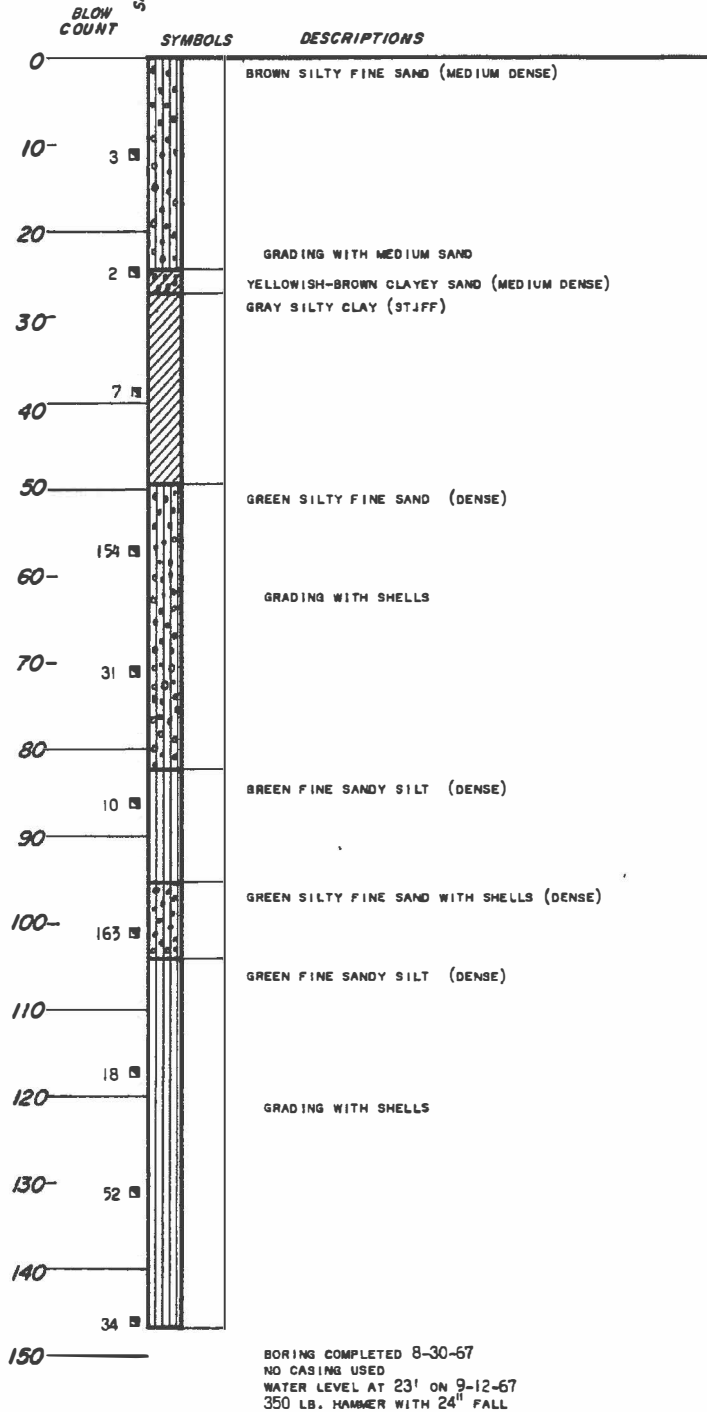


FIGURE 2.4-9B

DEPTH
IN
FEET

SAMPLES

BORING DM 3
SURFACE ELEVATION +94.2'

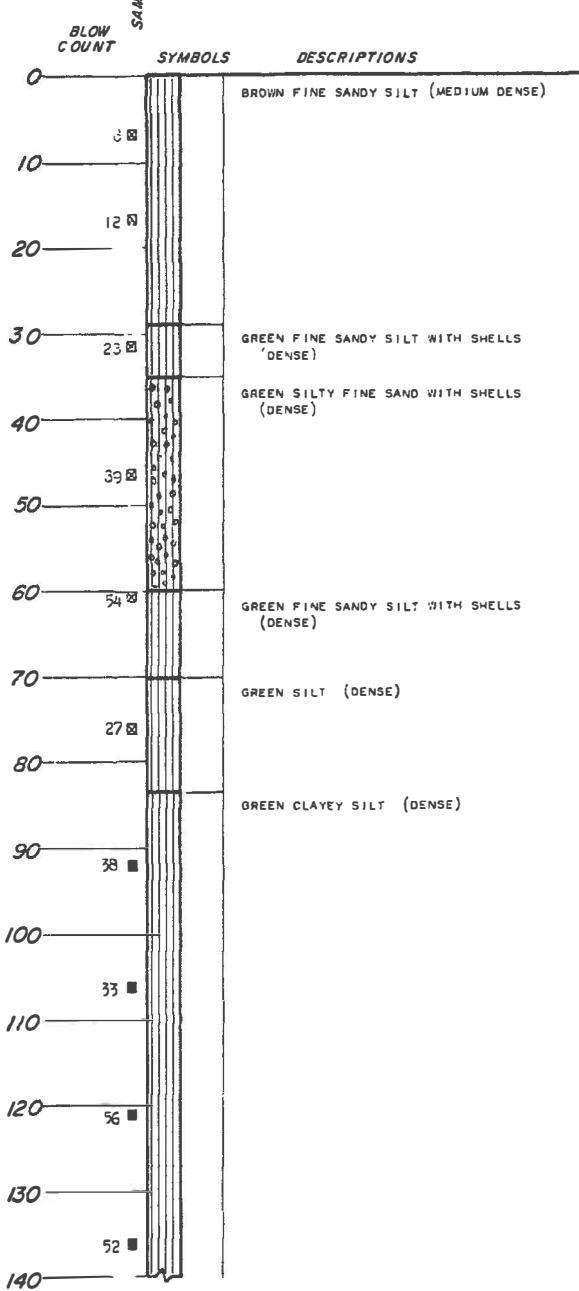
LOG OF BORING

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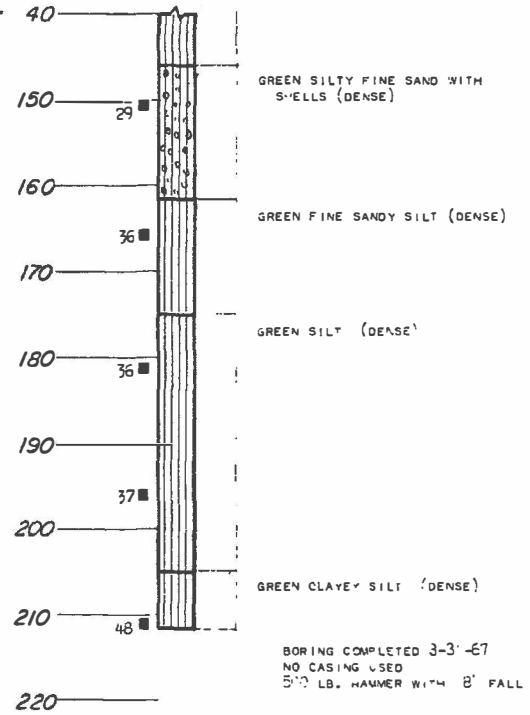
FIGURE 2.4-9C

DEPTH
IN
FEET

BORING DM 4
SURFACE ELEVATION + 44.5'



CONTINUED

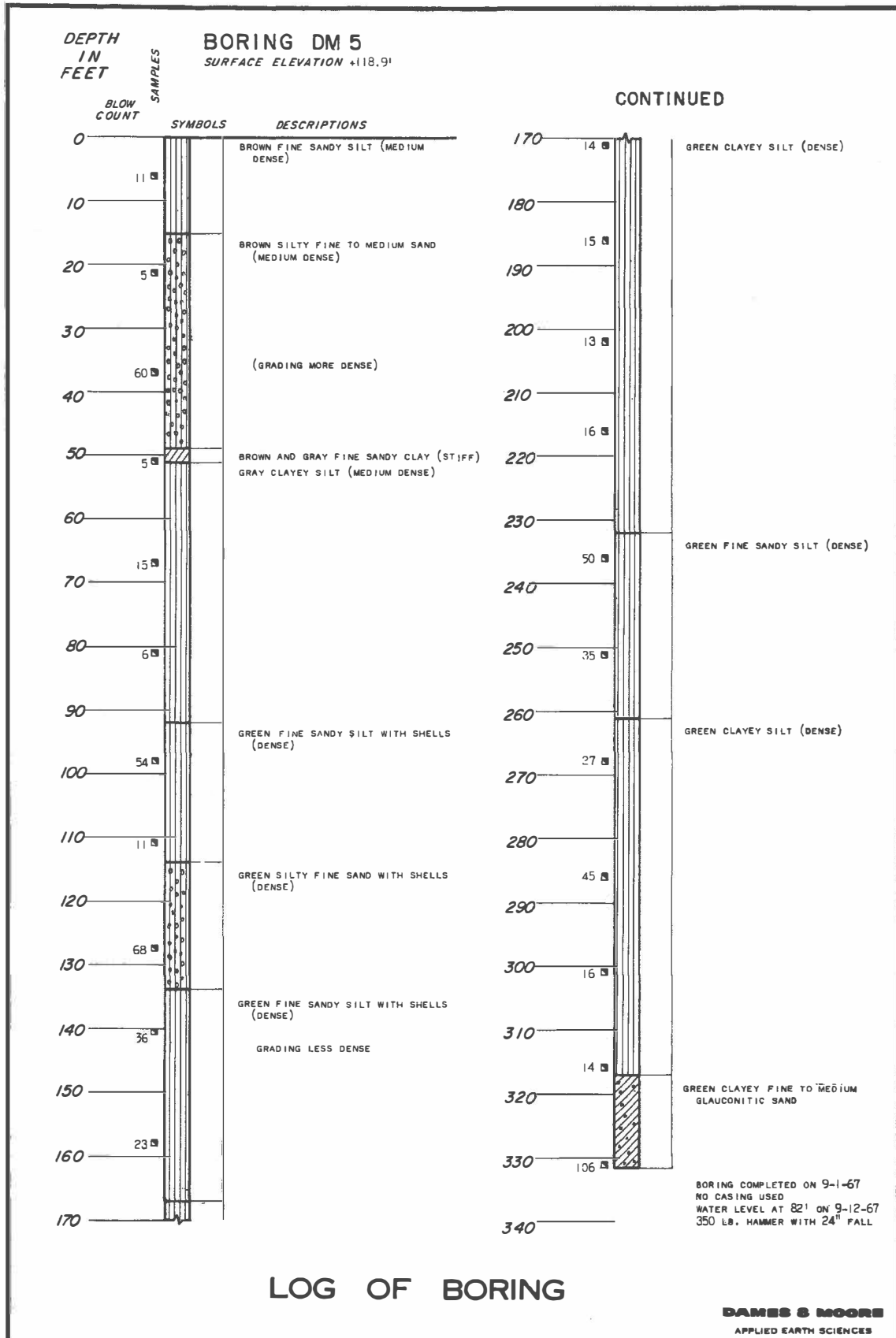


LOG OF BORING

DAMES & MOORE
APPLIED EARTH SCIENCES

FIGURE 2.4-9D

FIGURE 2.4-9E
LOG OF BORING



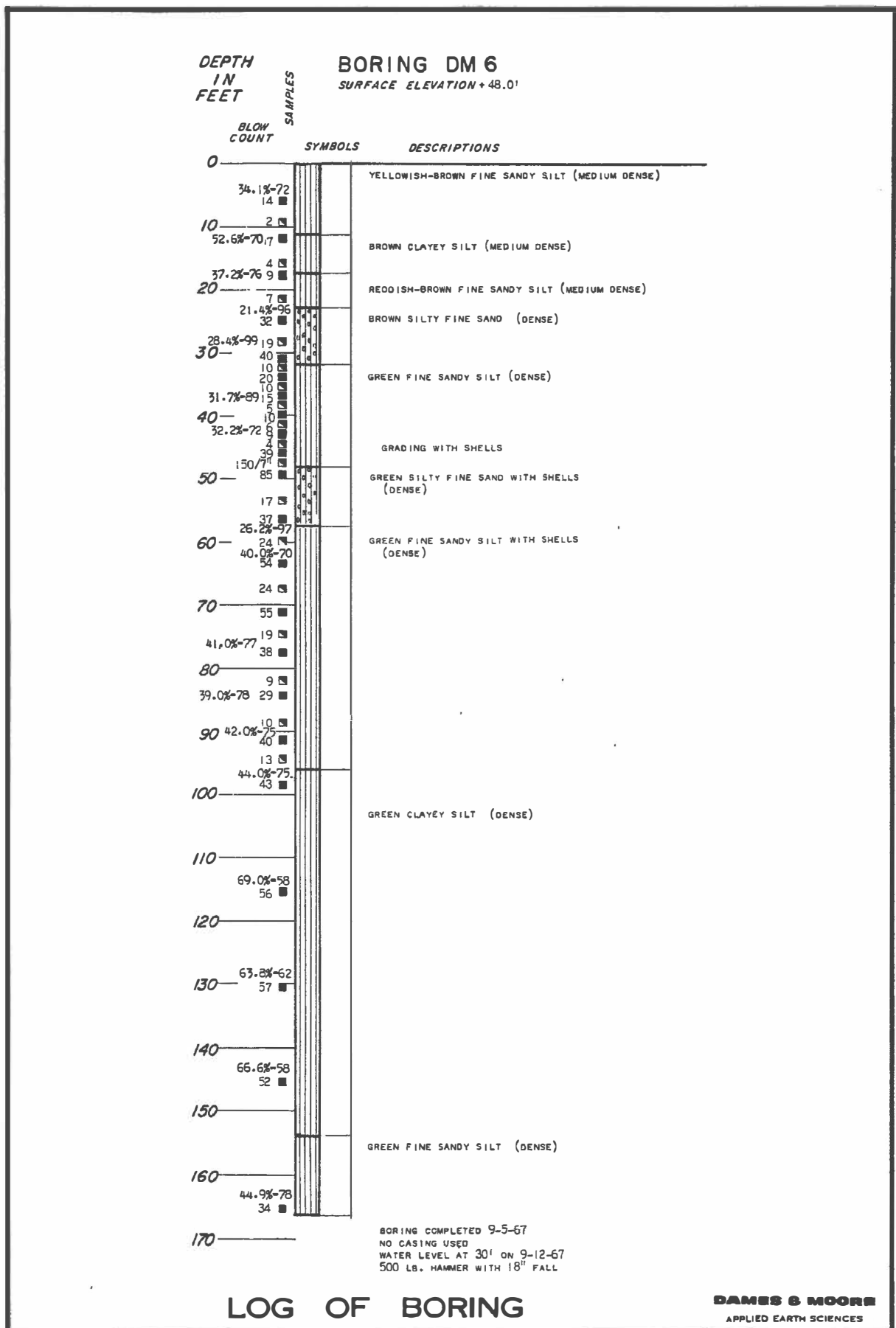


FIGURE 2.4-9F

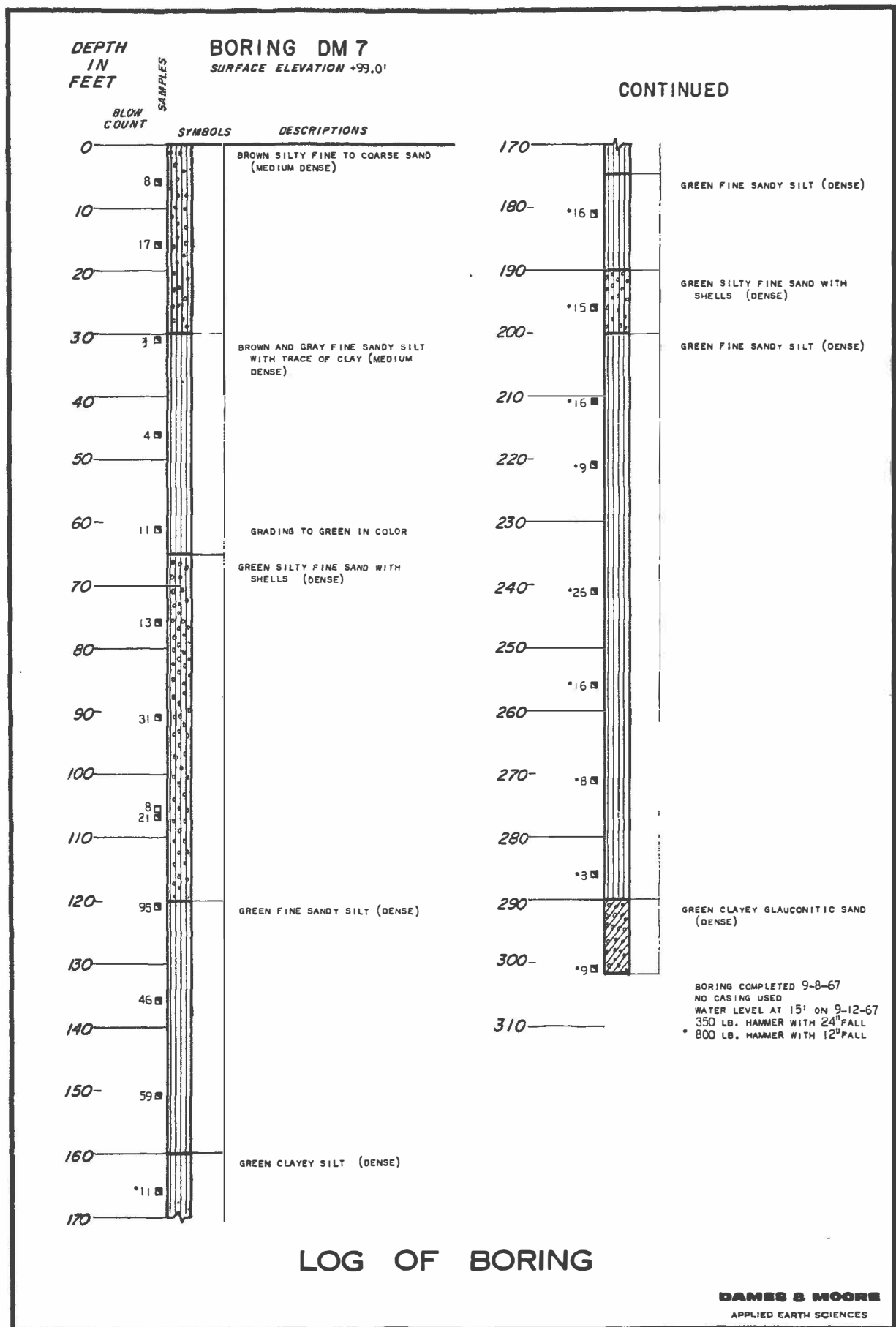
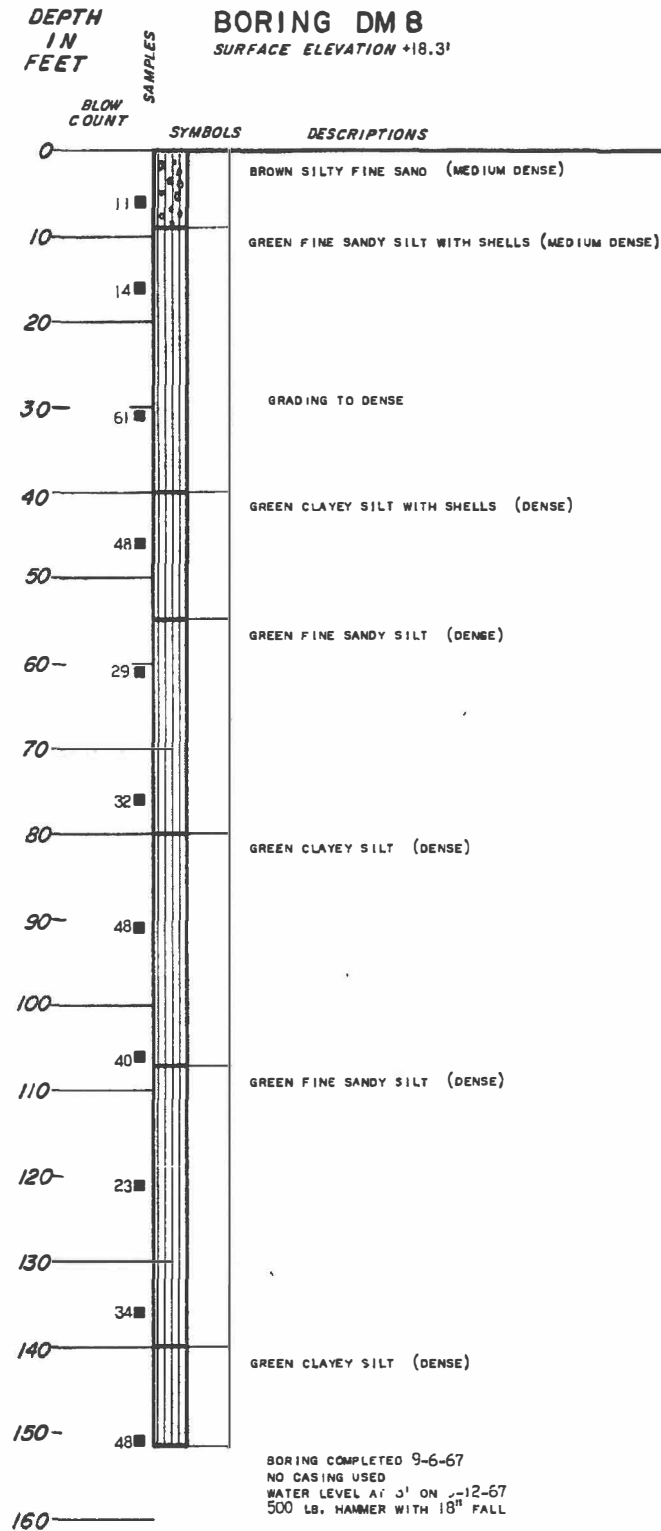


FIGURE 2.4-9G

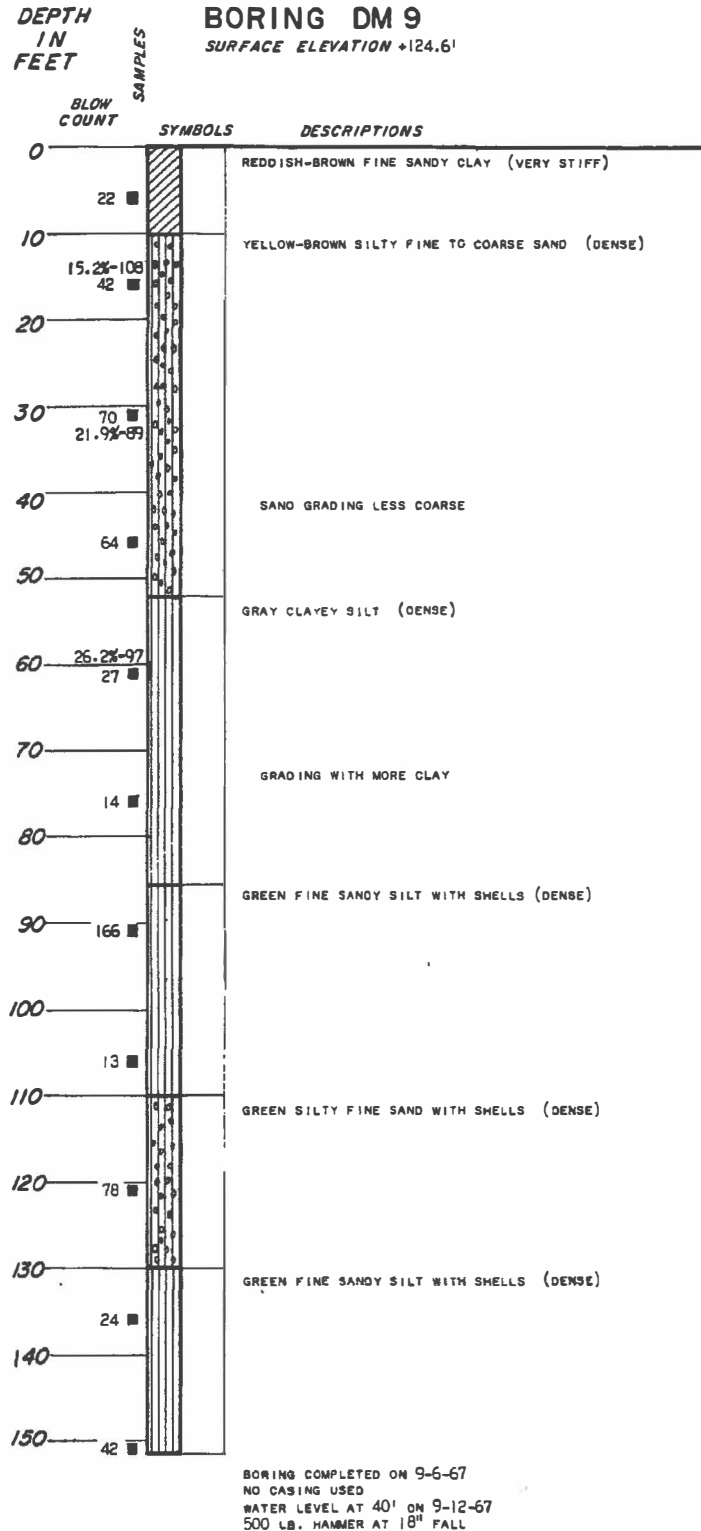
Rev.0



LOG OF BORING

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FIGURE 2.4-9H



LOG OF BORING

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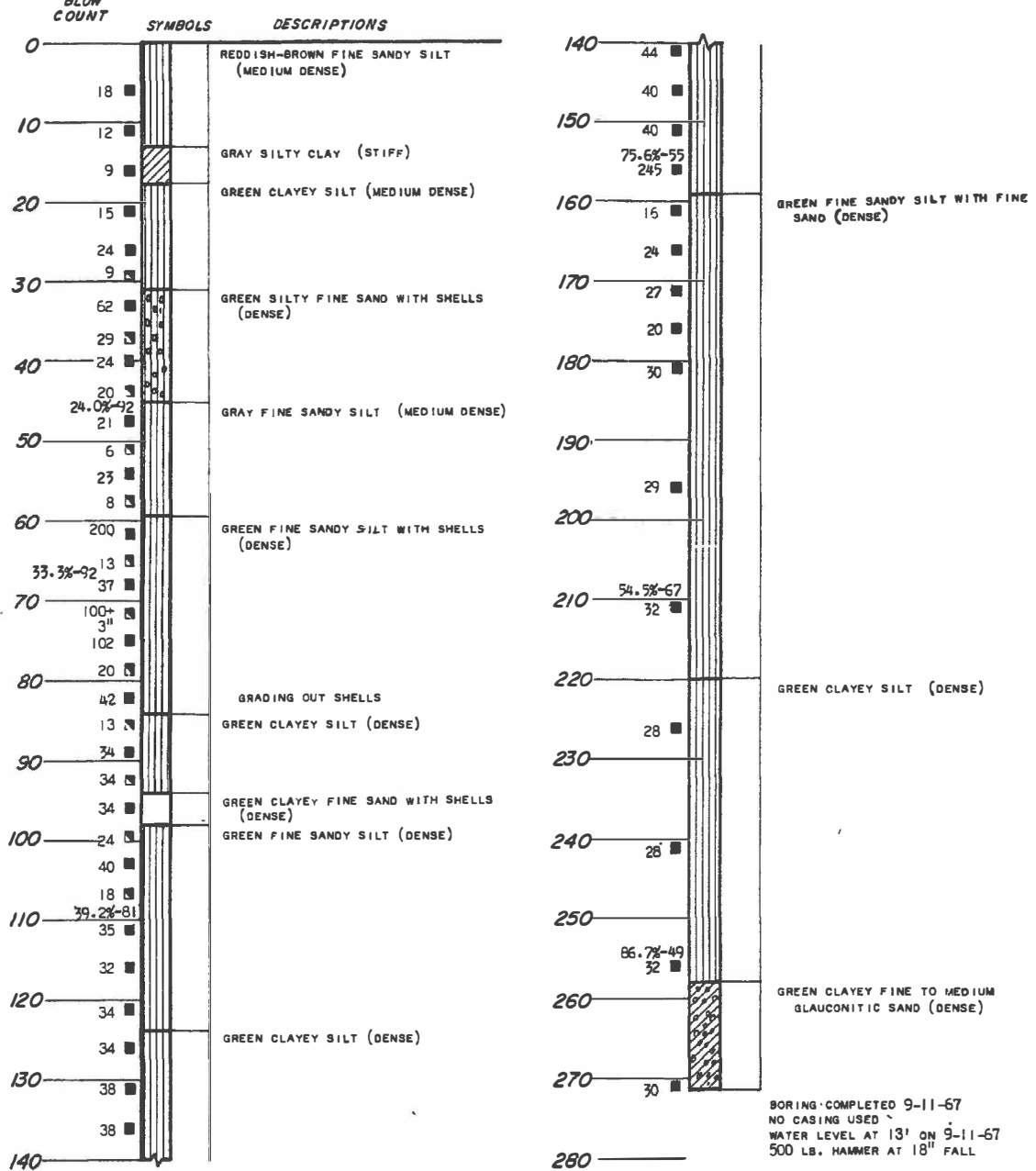
FIGURE 2.4-91

DEPTH
IN
FEET

SAMPLES

BORING DM 10
SURFACE ELEVATION +56.6'

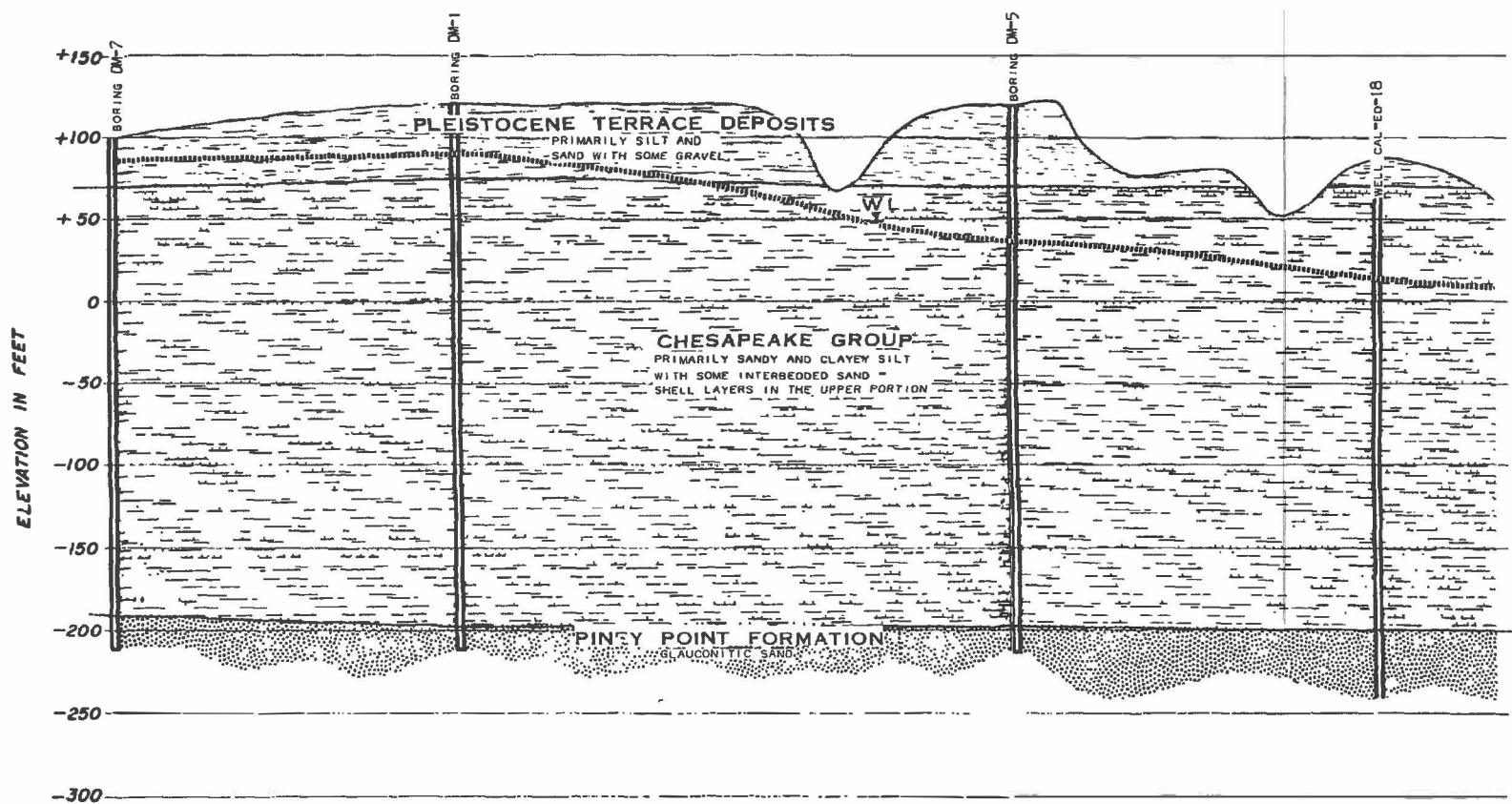
CONTINUED



LOG OF BORING

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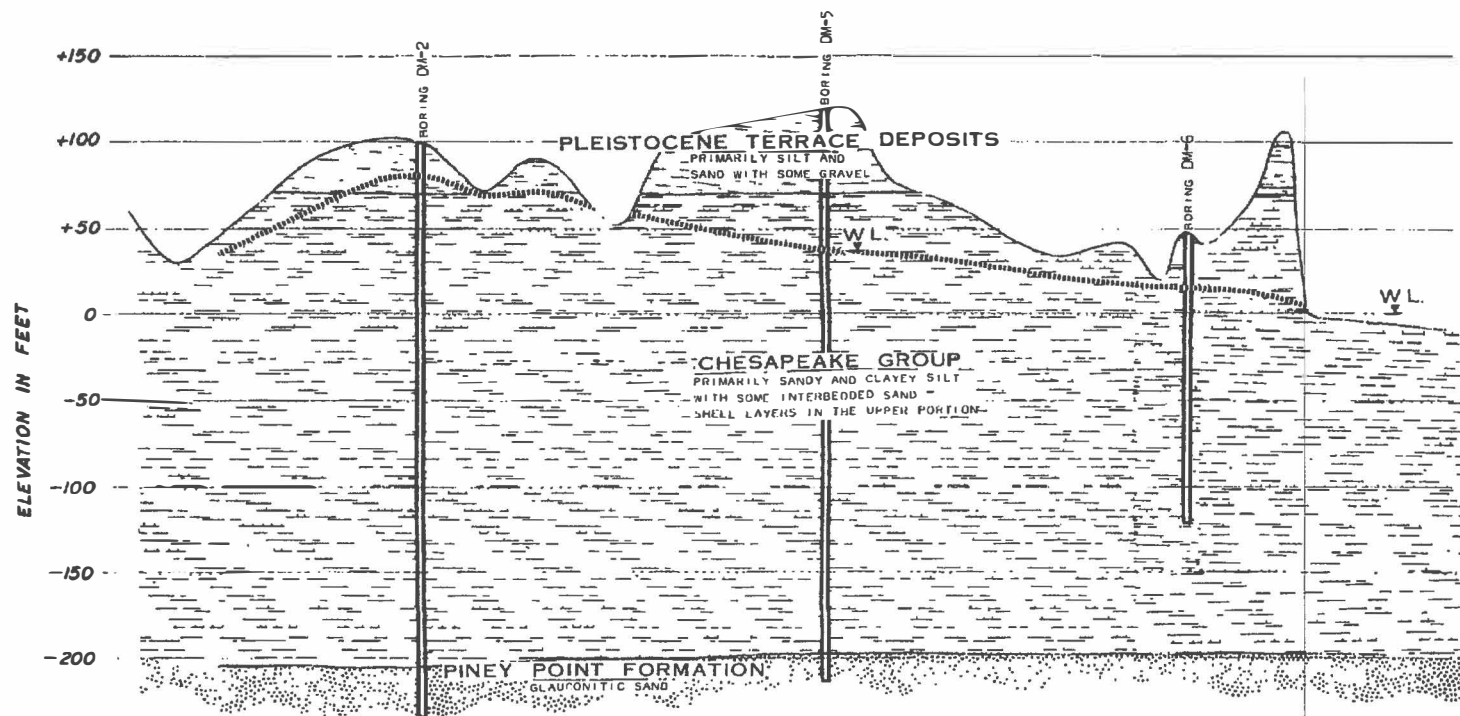
FIGURE 2.4-9J



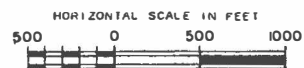
D. J. MOORE

FIGURE 2.4-10A

Rev.0



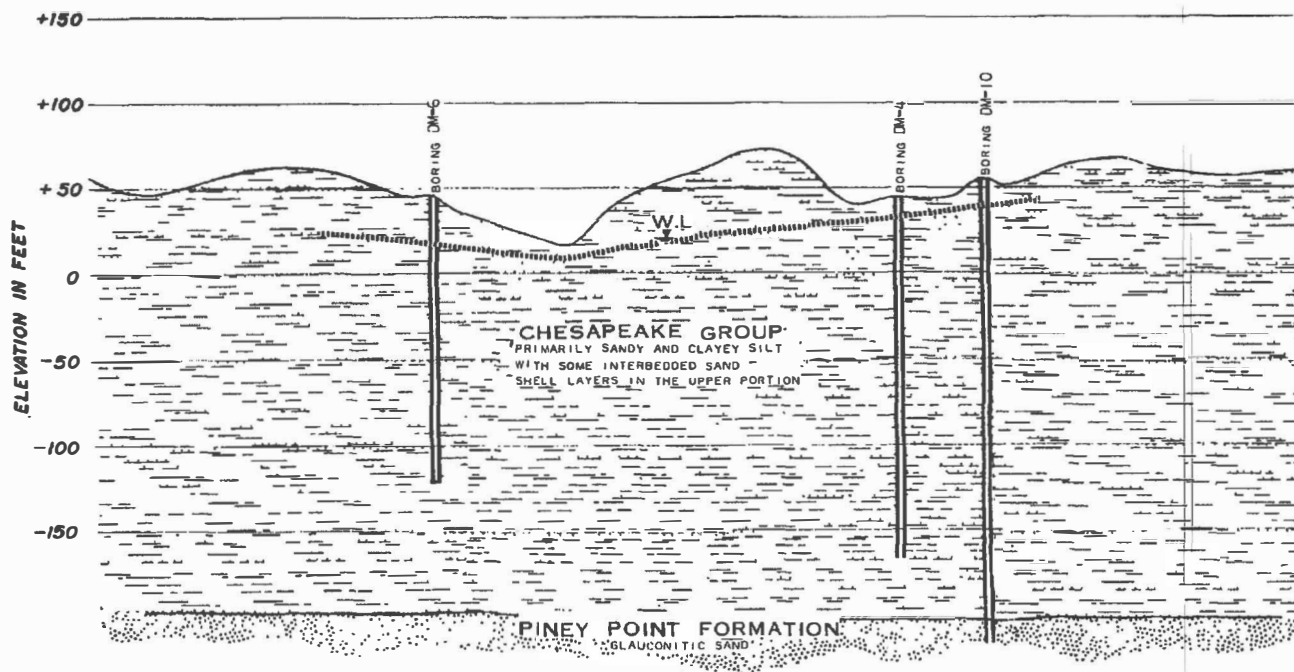
GEOLOGIC SECTION B-B



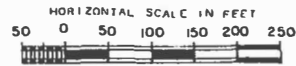
DAMES & MOORE

FIGURE 2.4-10B

Rev. 0



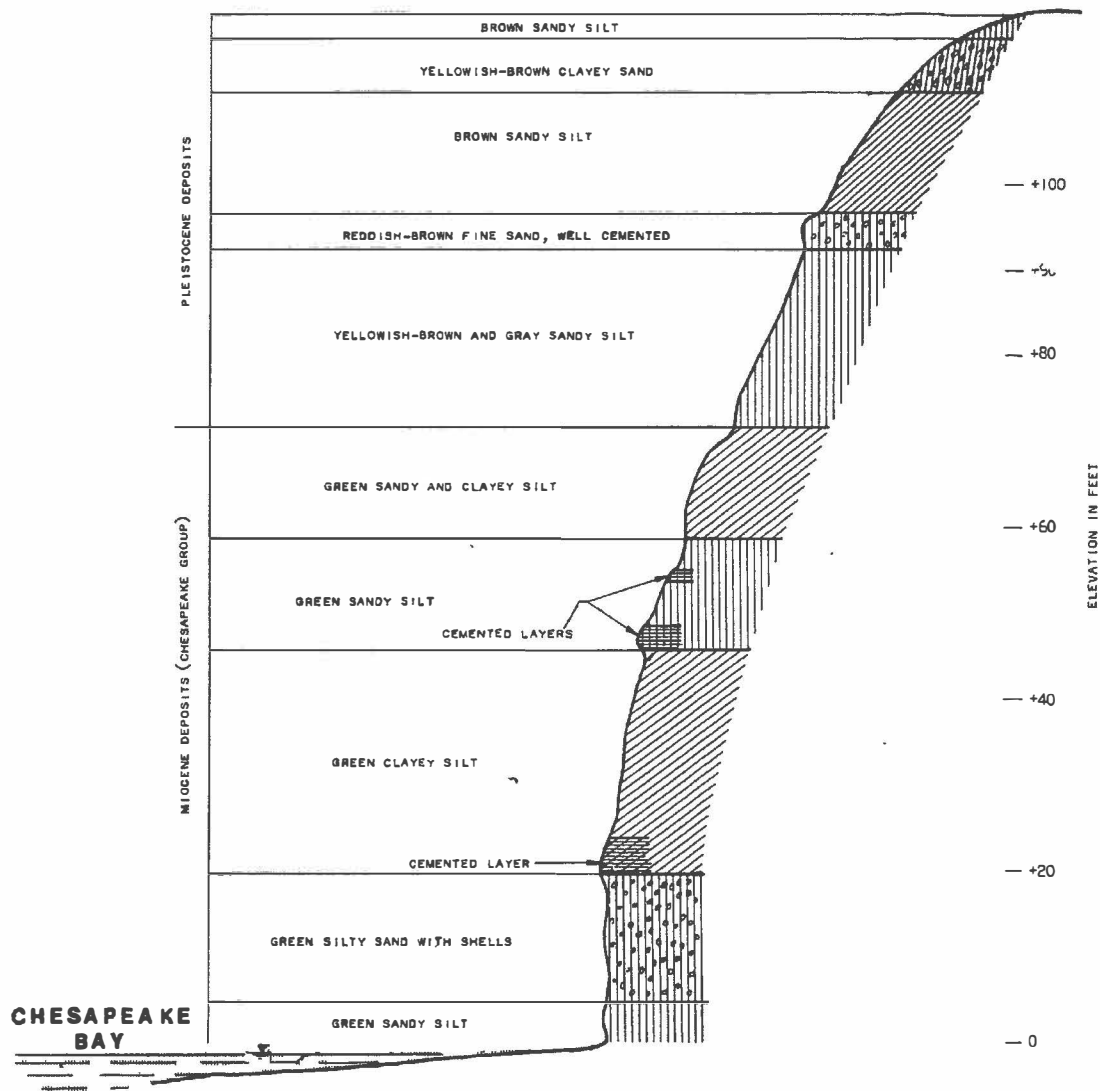
GEOLOGIC SECTION C-C



DAMES & MOORE

FIGURE 2.4-10C

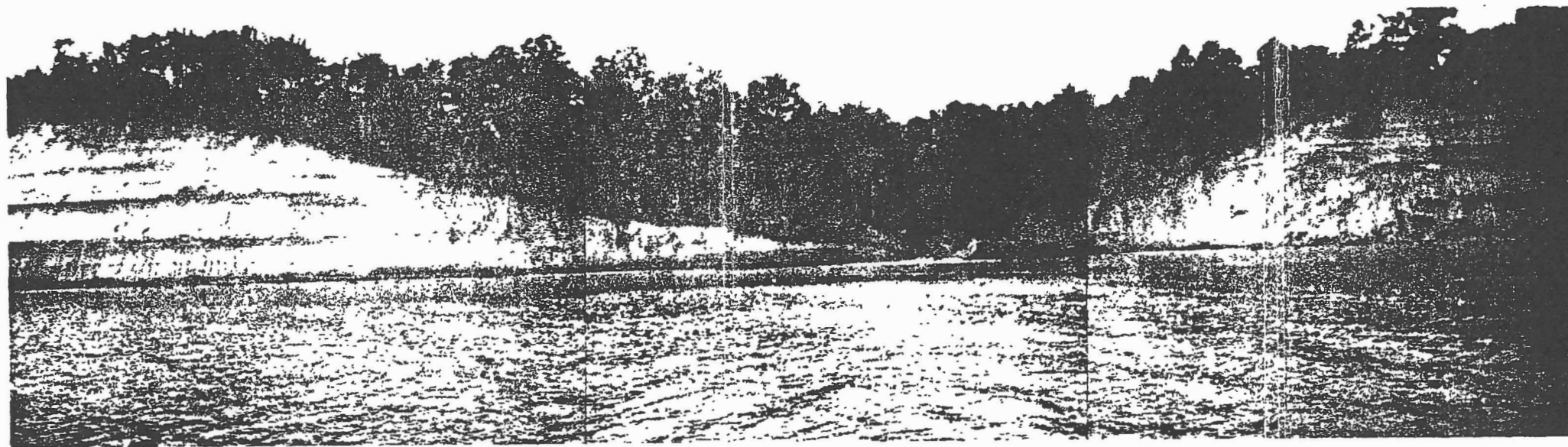
Rev.0



SCHEMATIC CLIFF SECTION
PLANT AREA

DAMES & MOORE
APPLIED EARTH SCIENCES

FIGURE 2.4-II



CLIFF FACE PHOTOGRAPH
PLANT SITE VICINITY

FIGURE 2.4-13
SHORELINE CHANGES

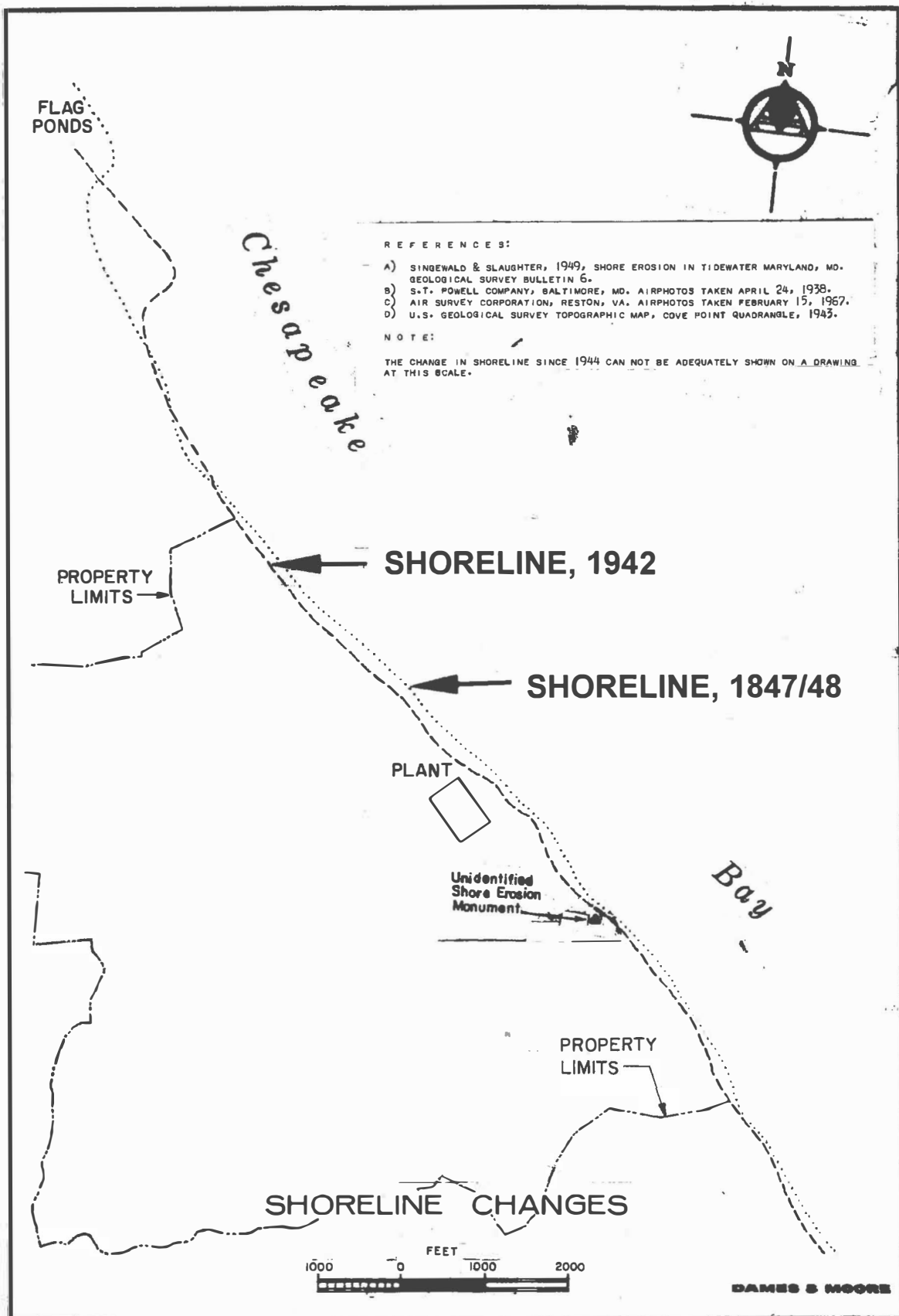
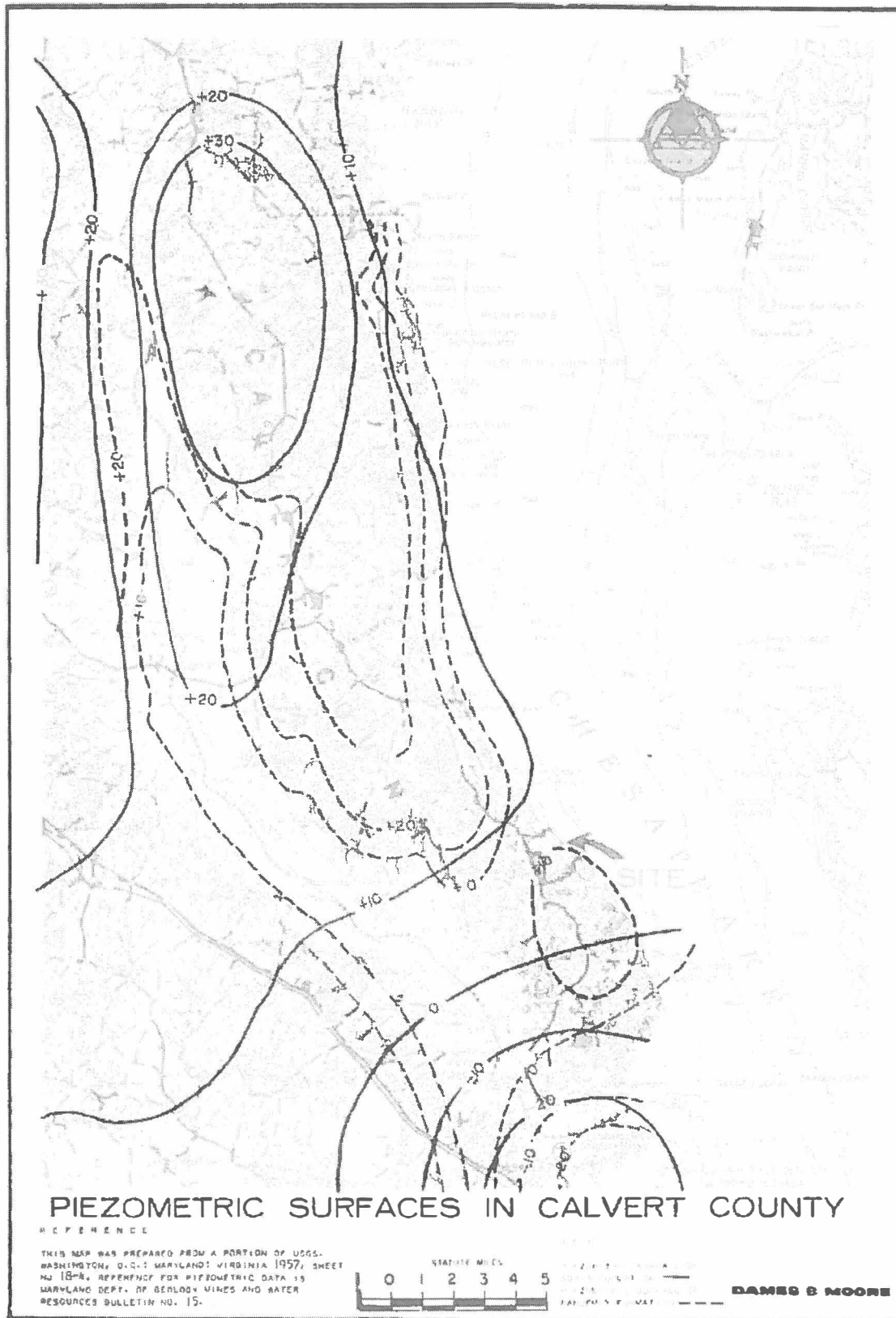


FIGURE 2.5-2
PIEZOMETRIC SURFACES IN CALVERT COUNTY



2.5-1 MAP OF AREA, SHOWING SURFACE HYDROLOGY

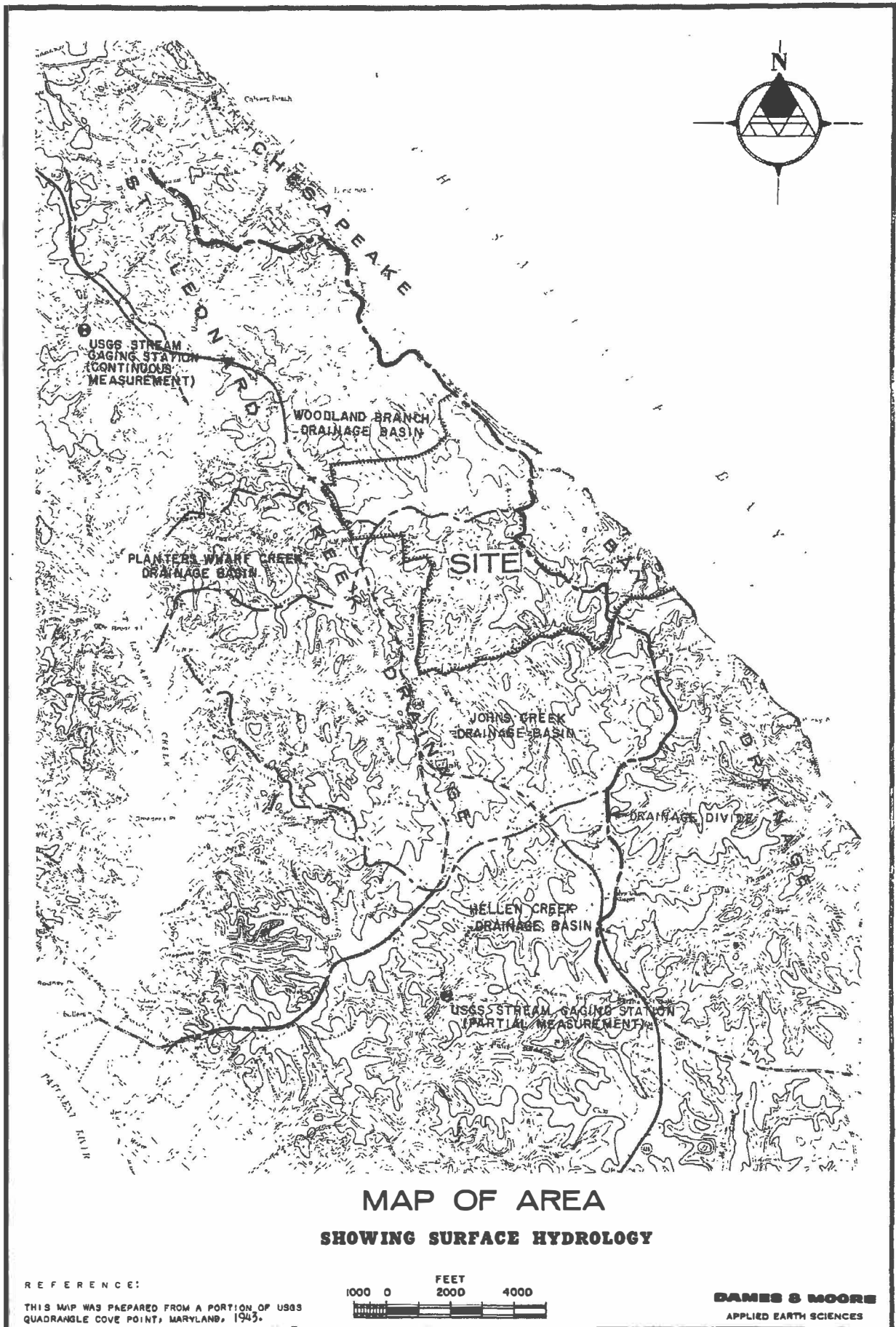


FIGURE 2.5-1

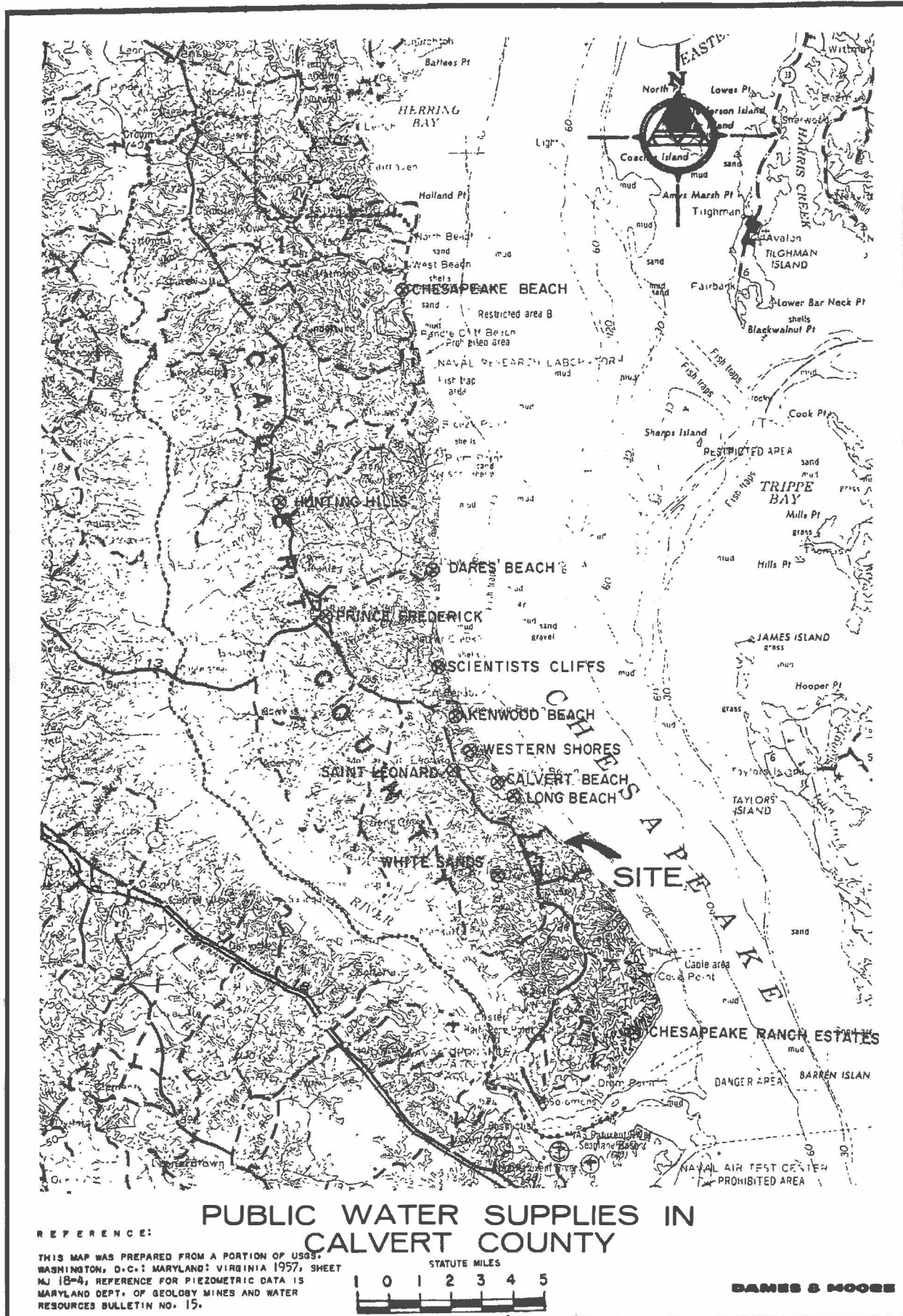


FIGURE 2.5-3

2.5-4 MAP OF AREA, SHOWING KNOWN WATER WELLS

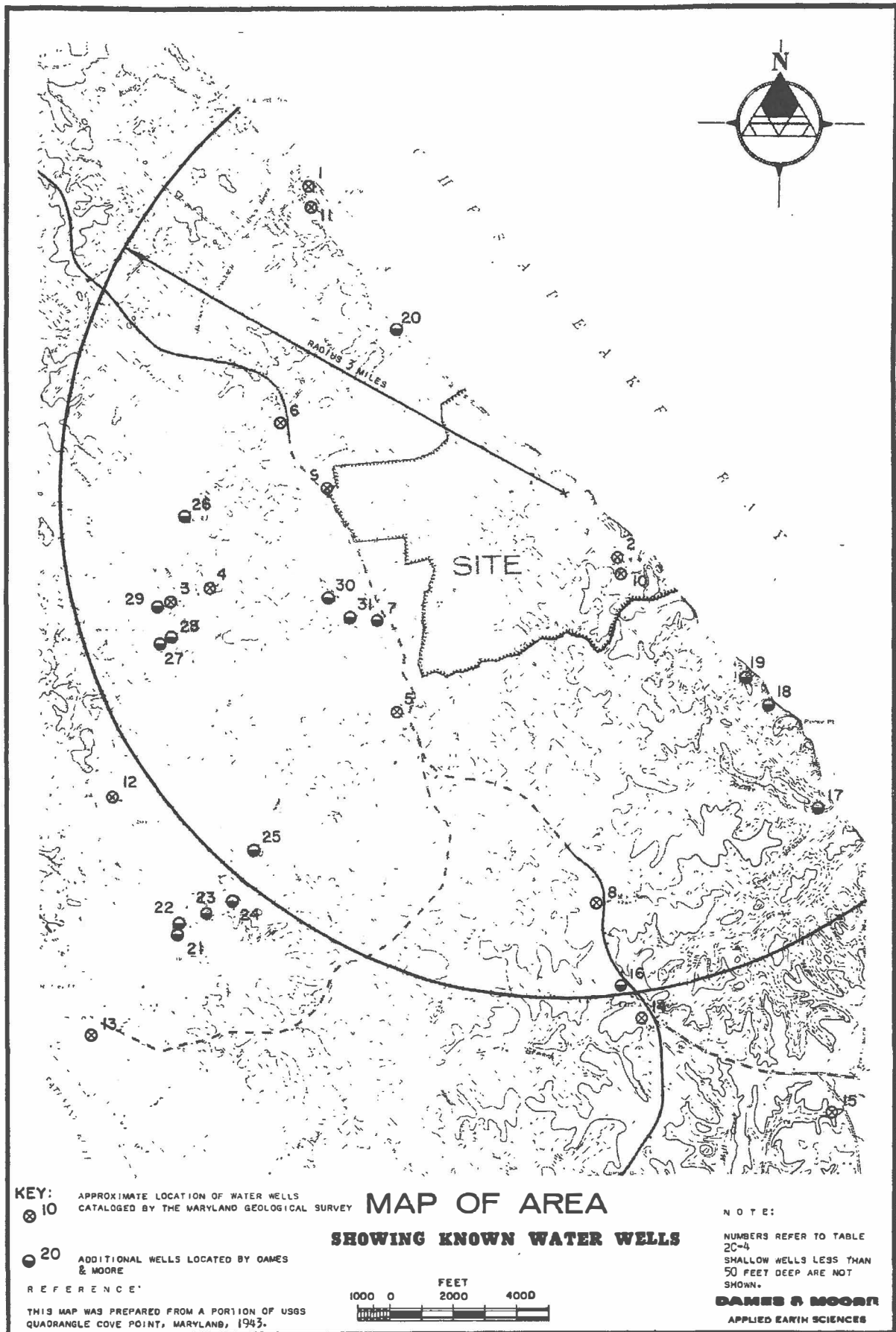
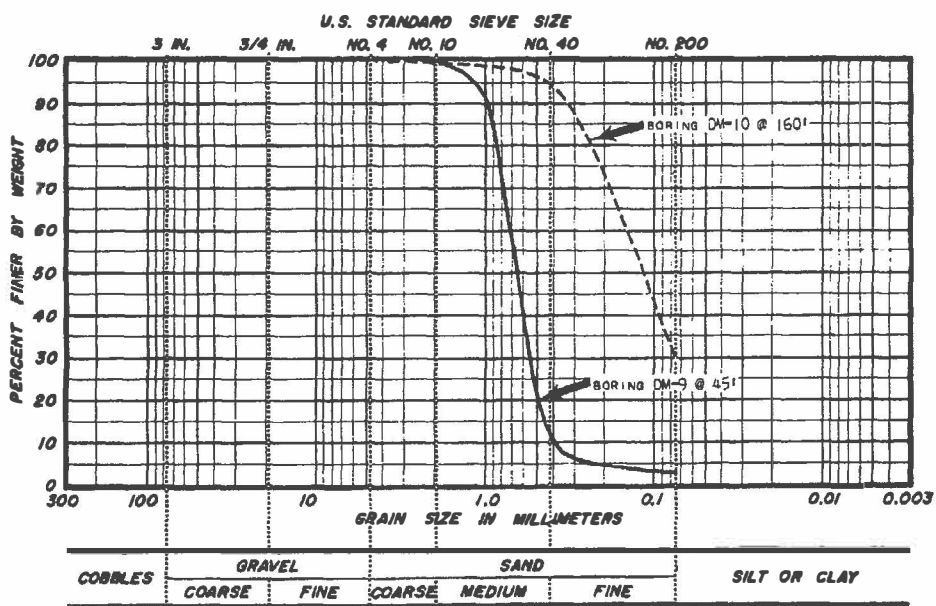
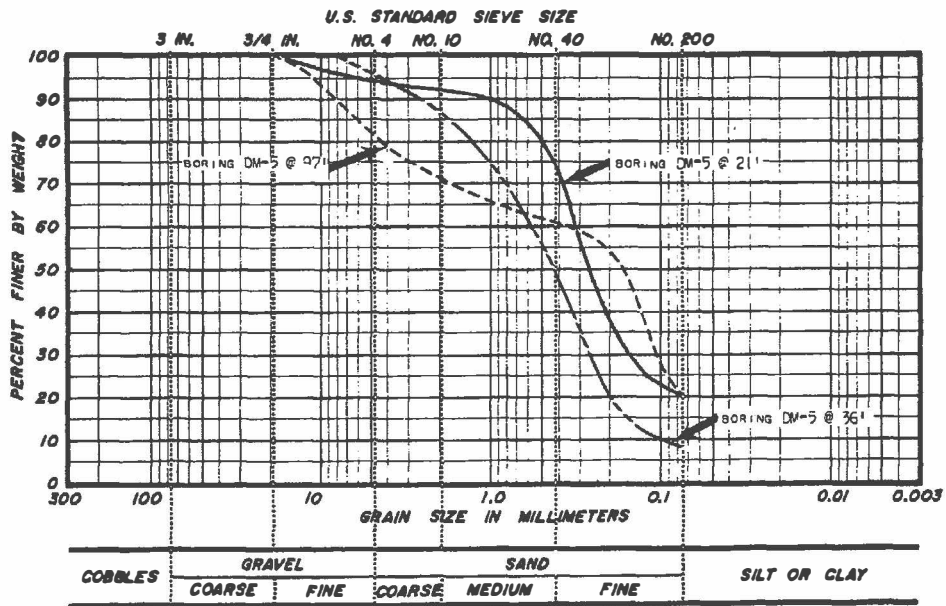
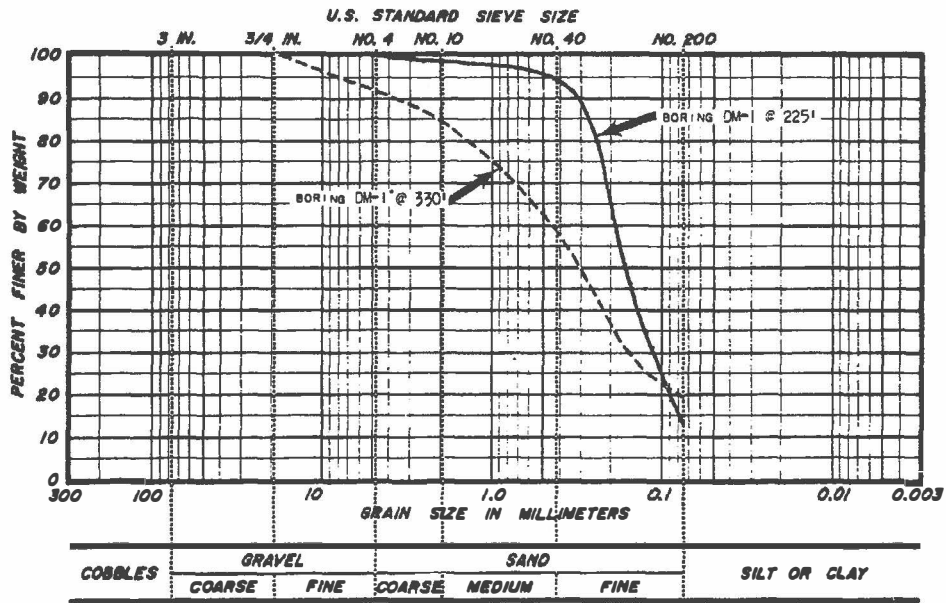


FIGURE 2.5-4



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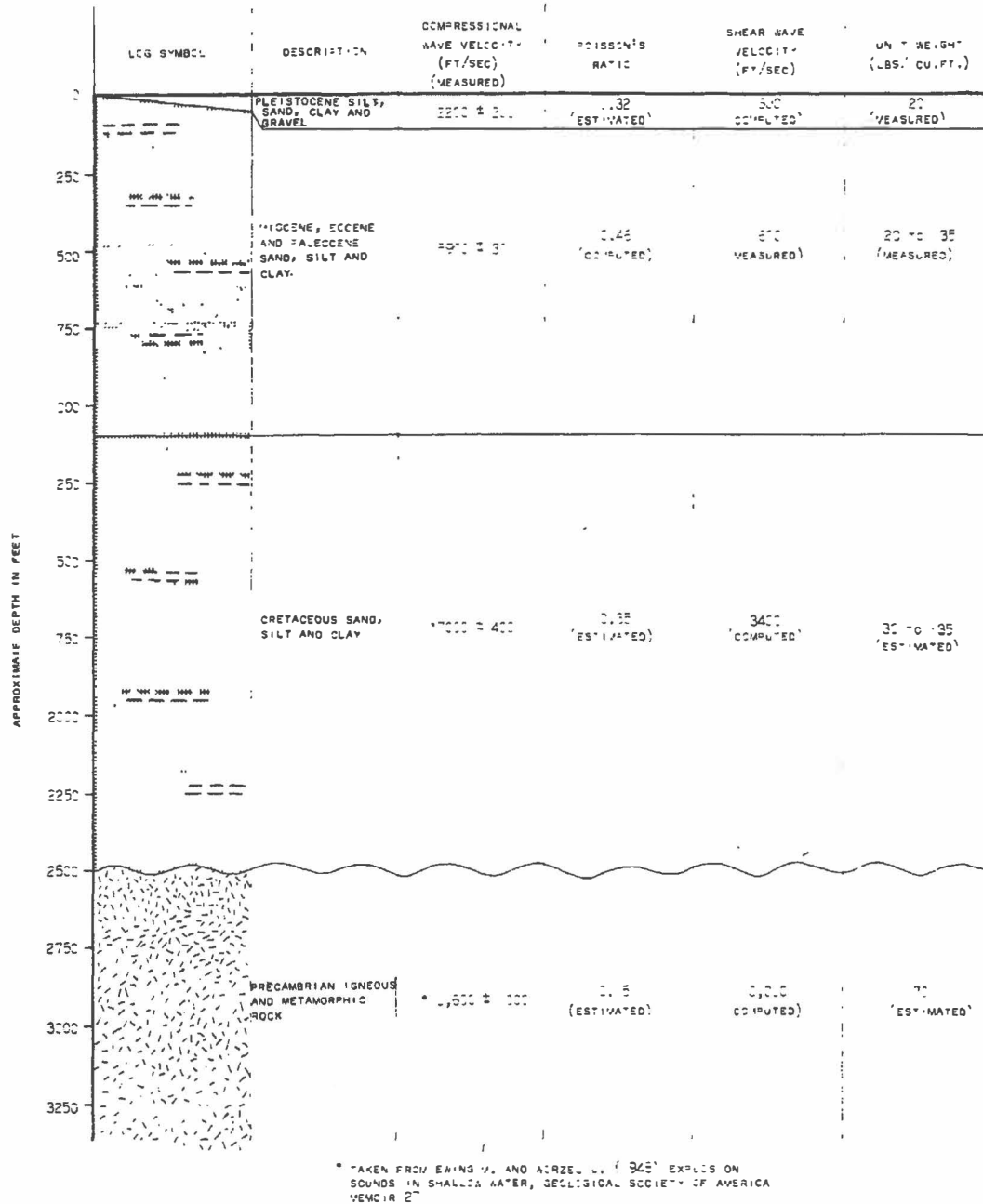


PARTICLE SIZE ANALYSES

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FIGURE 2.5-5B

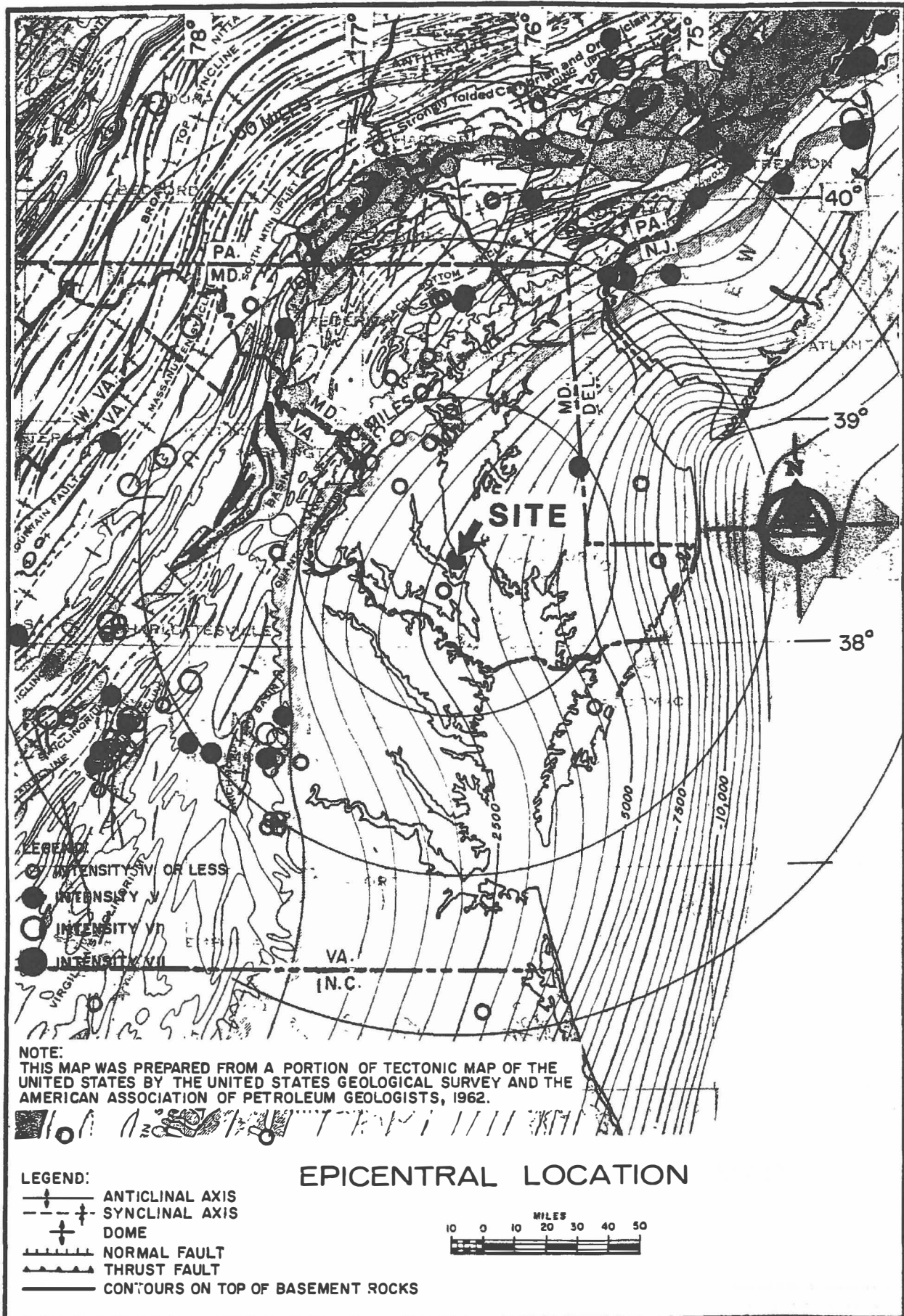
2.6-1 COLUMNAR SECTION, SHOWING GEOPHYSICAL DATA

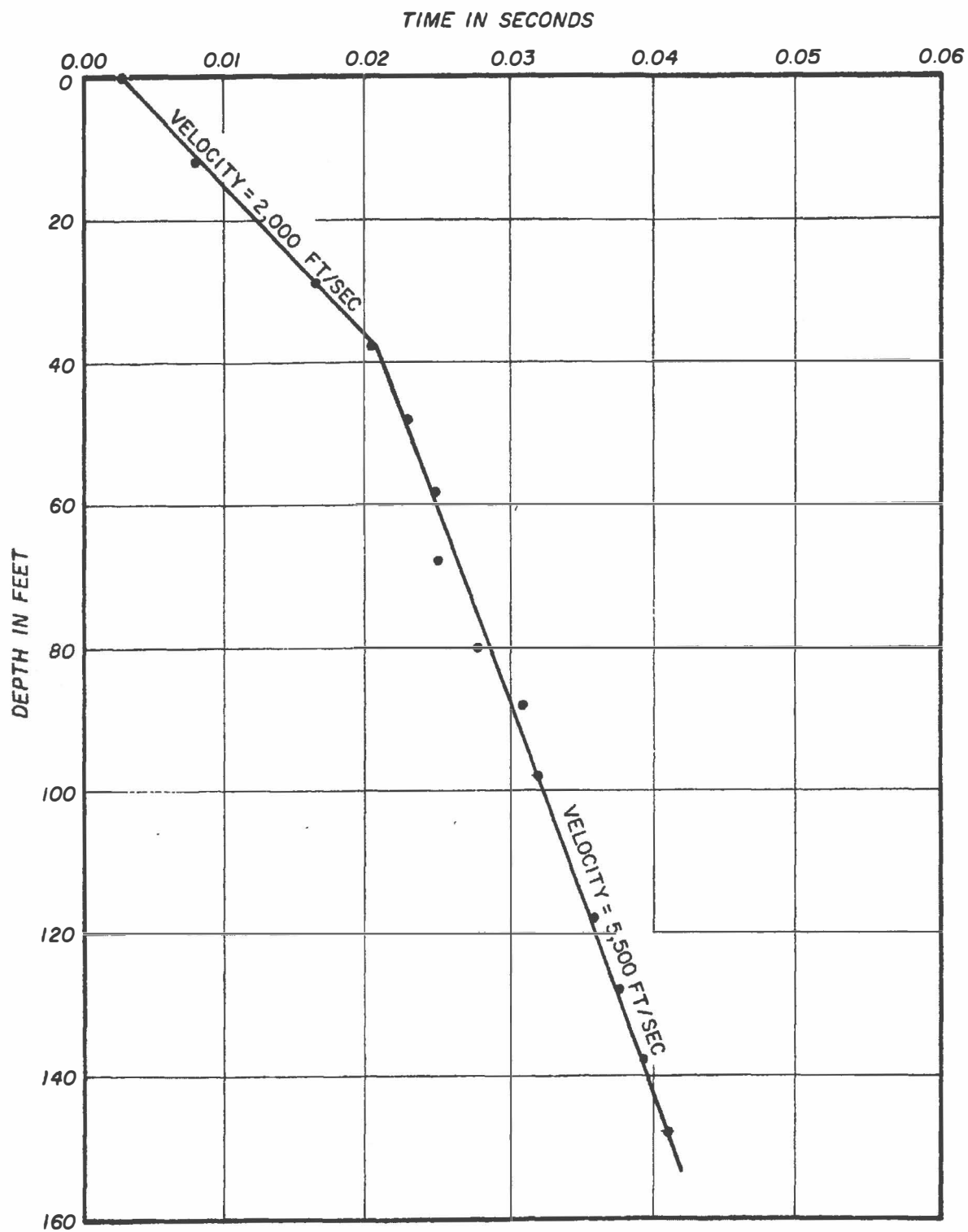


**COLUMNAR SECTION
SHOWING GEOPHYSICAL DATA**

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APPLIED EARTH SCIENCES

FIGURE 2.6-1



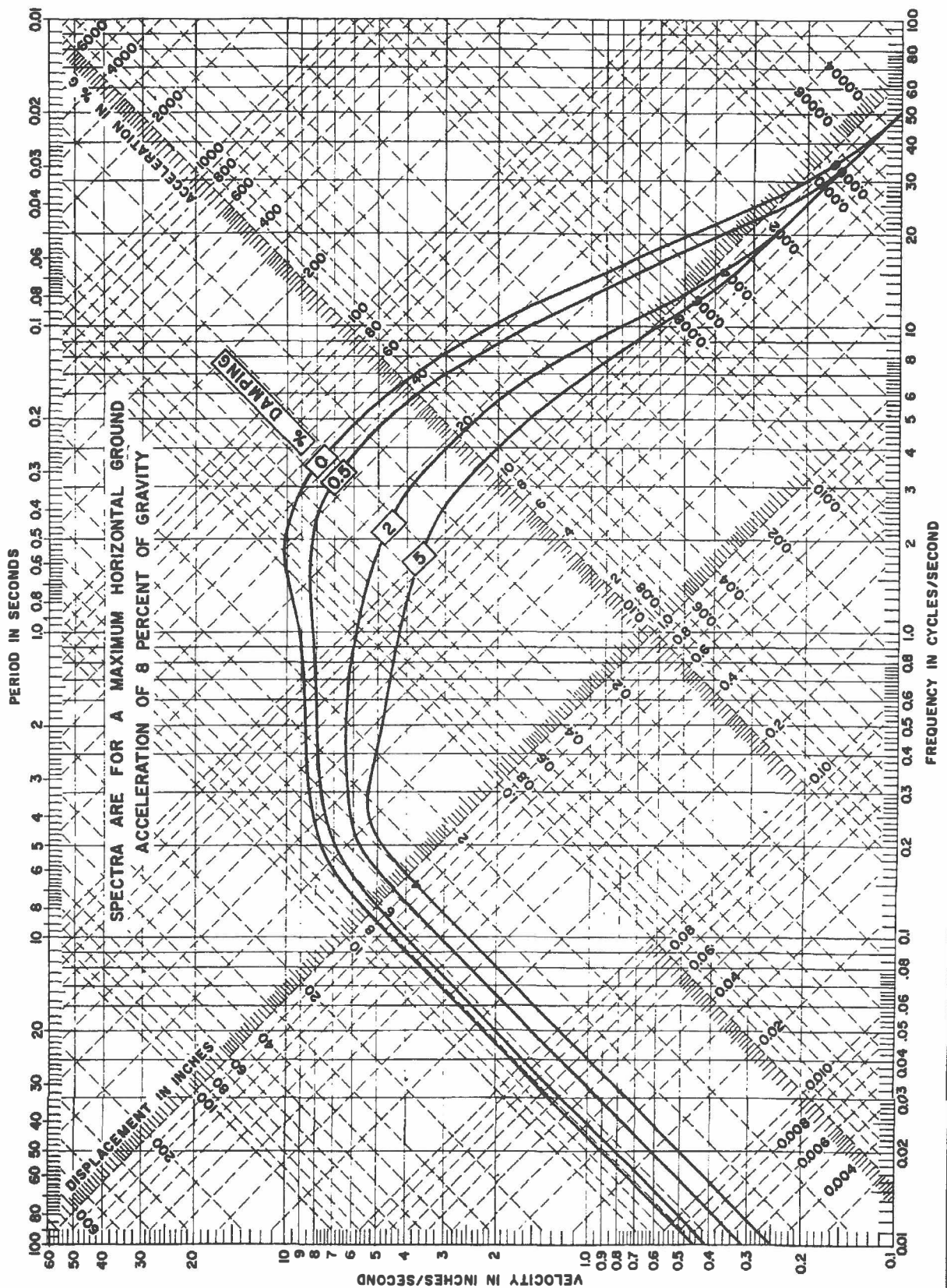


UPHOLE SEISMIC SURVEY

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APPLIED EARTH SCIENCES

FIGURE 2.6-3

Rev.0



RESPONSE SPECTRA OPERATING BASIS EARTHQUAKE

DAMES & MOORE

FIGURE 2.6-4

Rev.0

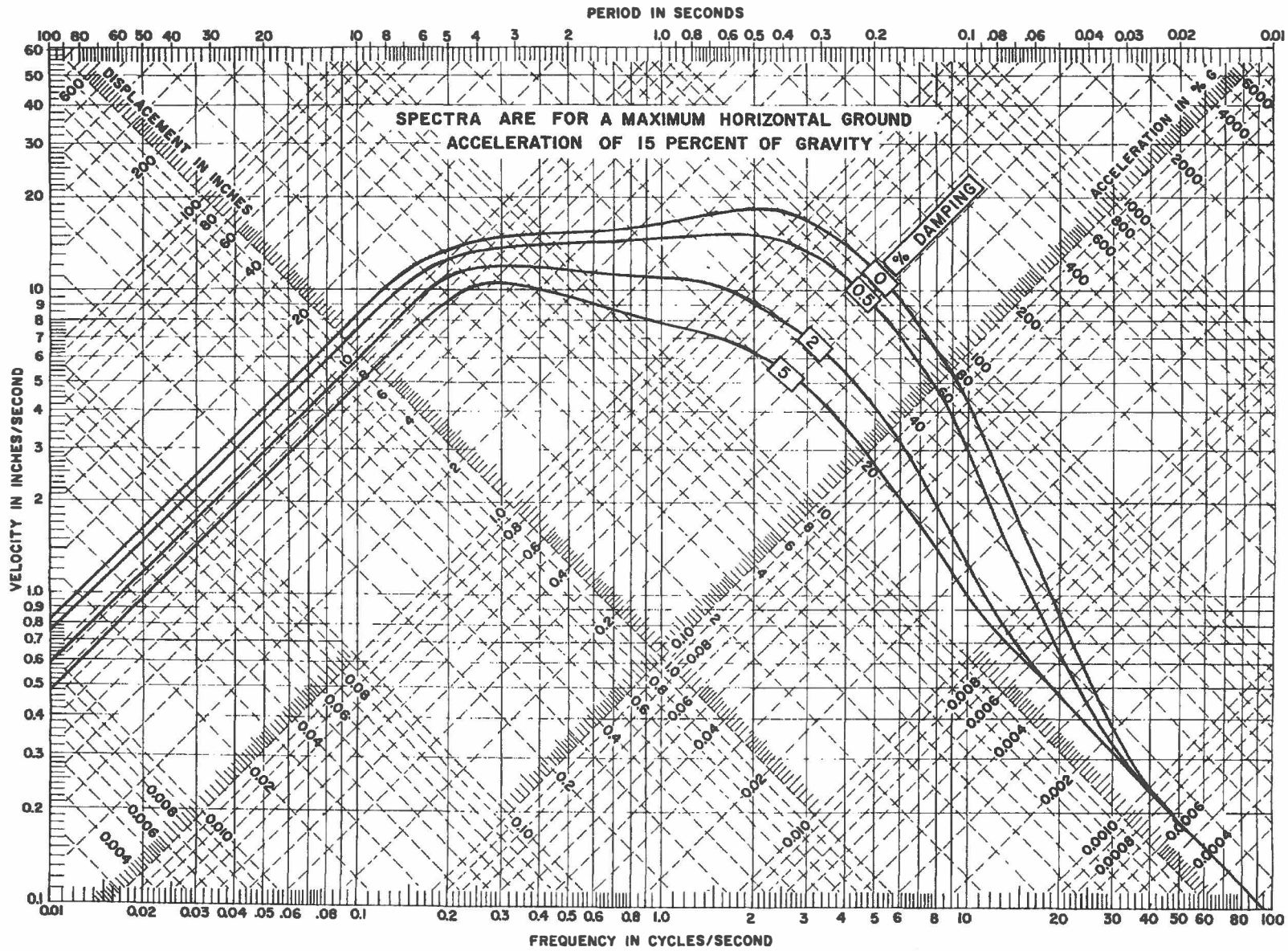
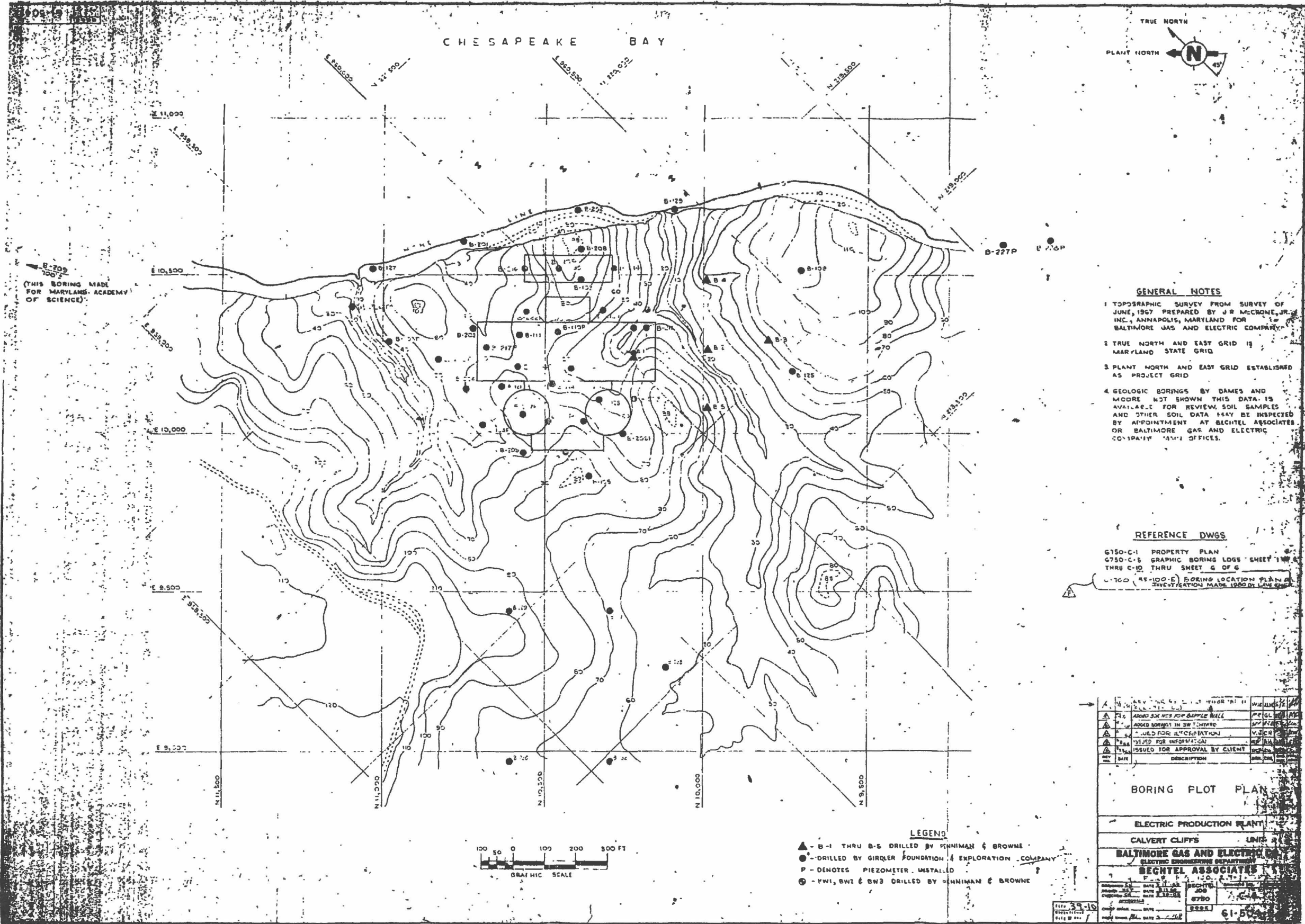
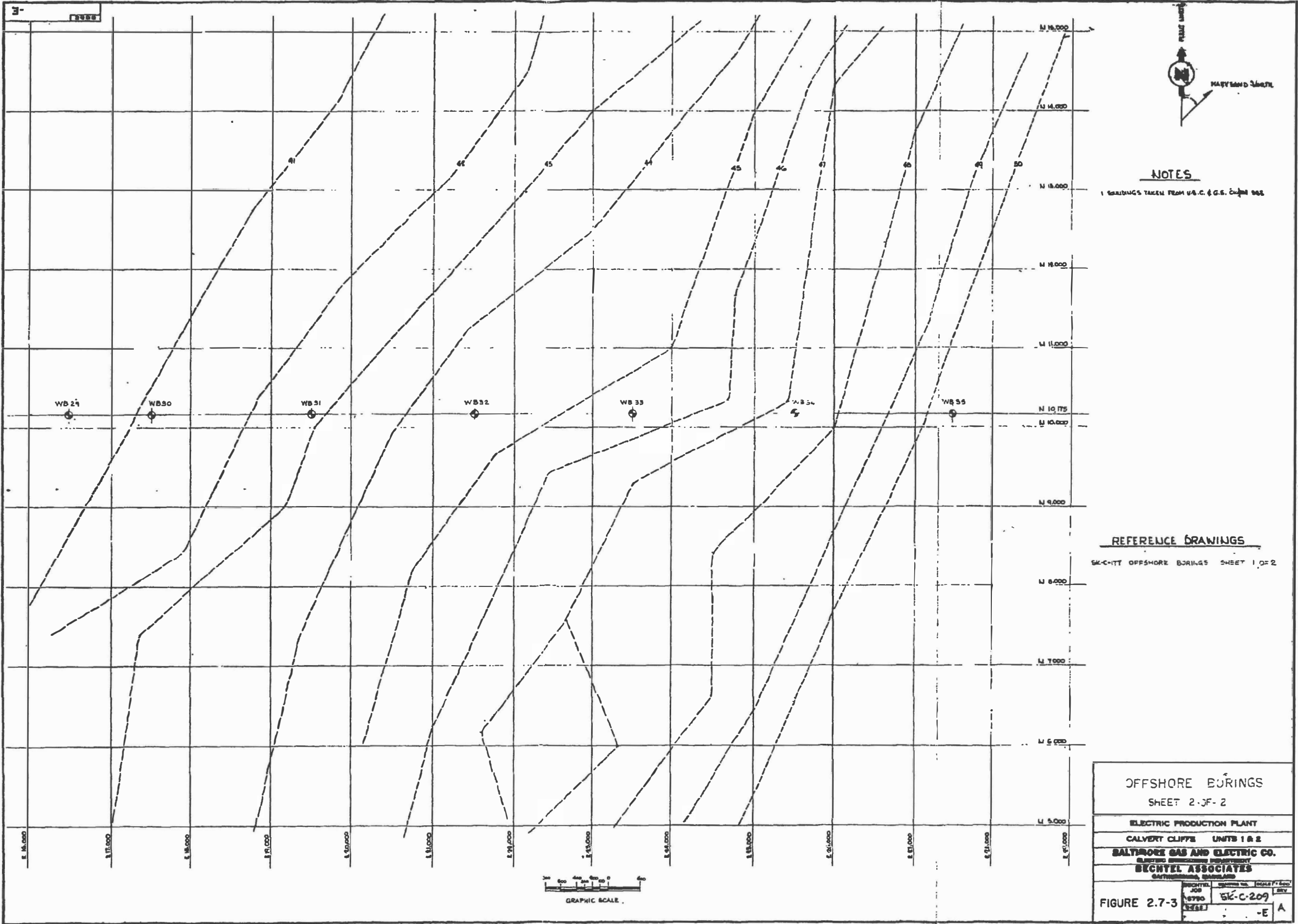


FIGURE 2.6-5



[illegible]



GRAPHIC BORING LOGS

BALTIMORE GAS AND ELECTRIC COMPANY

CALVERT CLIFFS NUCLEAR POWER PLANT

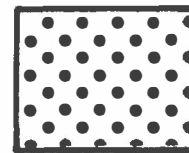
SUPPLEMENTARY SITE BORINGS

GENERAL NOTES

1. ELEVATIONS REFERENCED TO MEAN SEA LEVEL.
2. NUMBER ADJACENT TO BORING LOG IS STANDARD PENETRATION RESISTANCE.
3. STANDARD PENETRATION RESISTANCE IN BLOWS/FOOT OF A 140 LB. WEIGHT FREE FALLING 30 INCHES.
4. BORINGS BY GIRDLER FOUNDATION AND EXPLORATION CO., JUNE 1969.

LEGEND

Greenish Gray Silty SAND



Greenish Gray Sandy SILT



FIGURE 2.7-4

GRAPHIC BORING LOG
BALTIMORE GAS AND ELECTRIC COMPANY SUPPLEMENTAL SITE BORINGS CALVERT CLIFFS NUCLEAR POWER PLANT
 BORING NO. 210

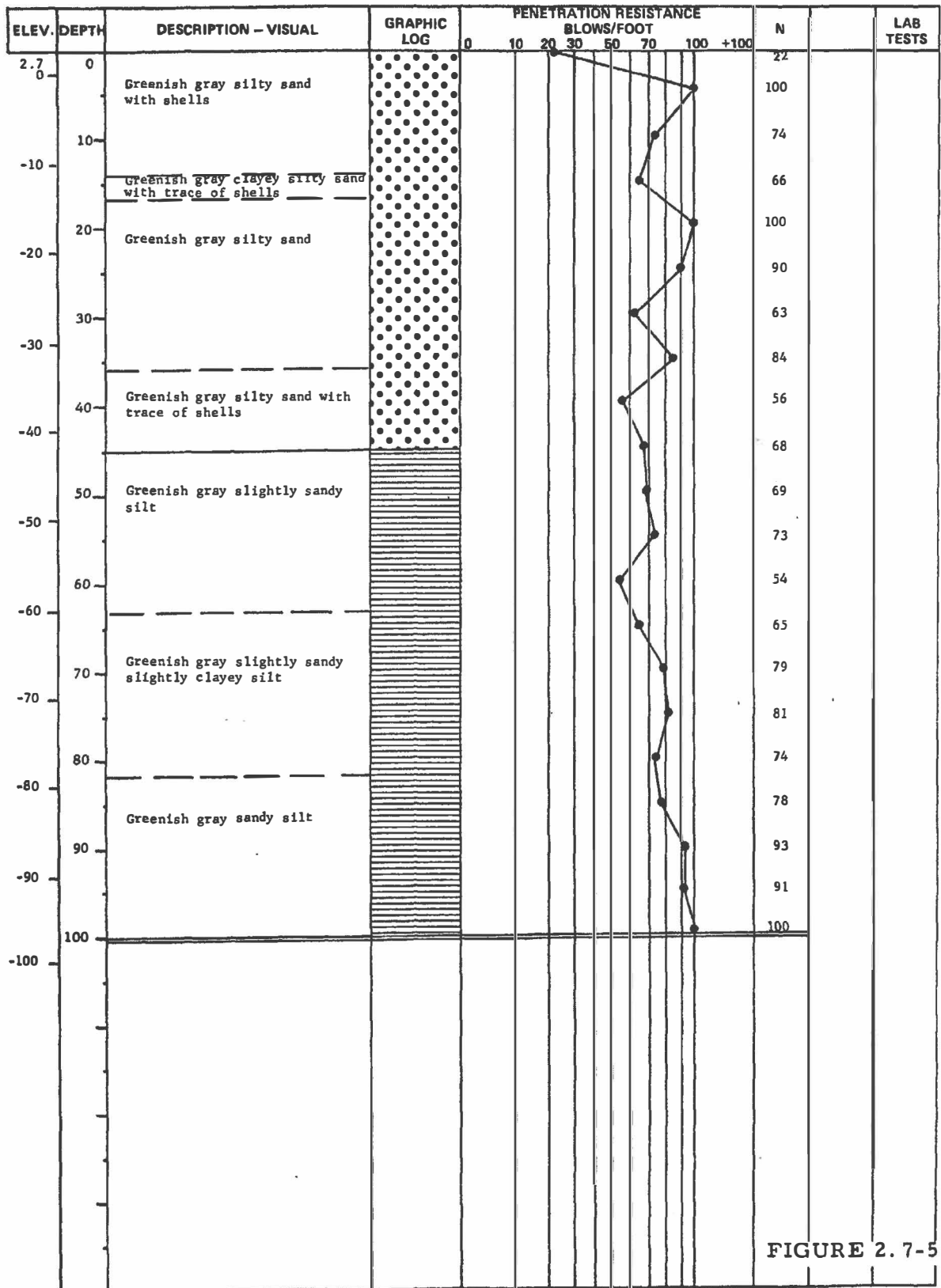


FIGURE 2.7-5

2.7-6 GRAPHIC BORING LOGS, BALTIMORE GAS AND ELECTRIC COMPANY, CALVERT CLIFFS NUCLEAR POWER PLANT, SUPPLEMENTARY SITE BORINGS

BALTIMORE GAS AND ELECTRIC COMPANY GRAPHIC BORING LOG
SUPPLEMENTAL SITE BORINGS CALVERT CLIFFS NUCLEAR POWER PLANT

BORING NO. 211

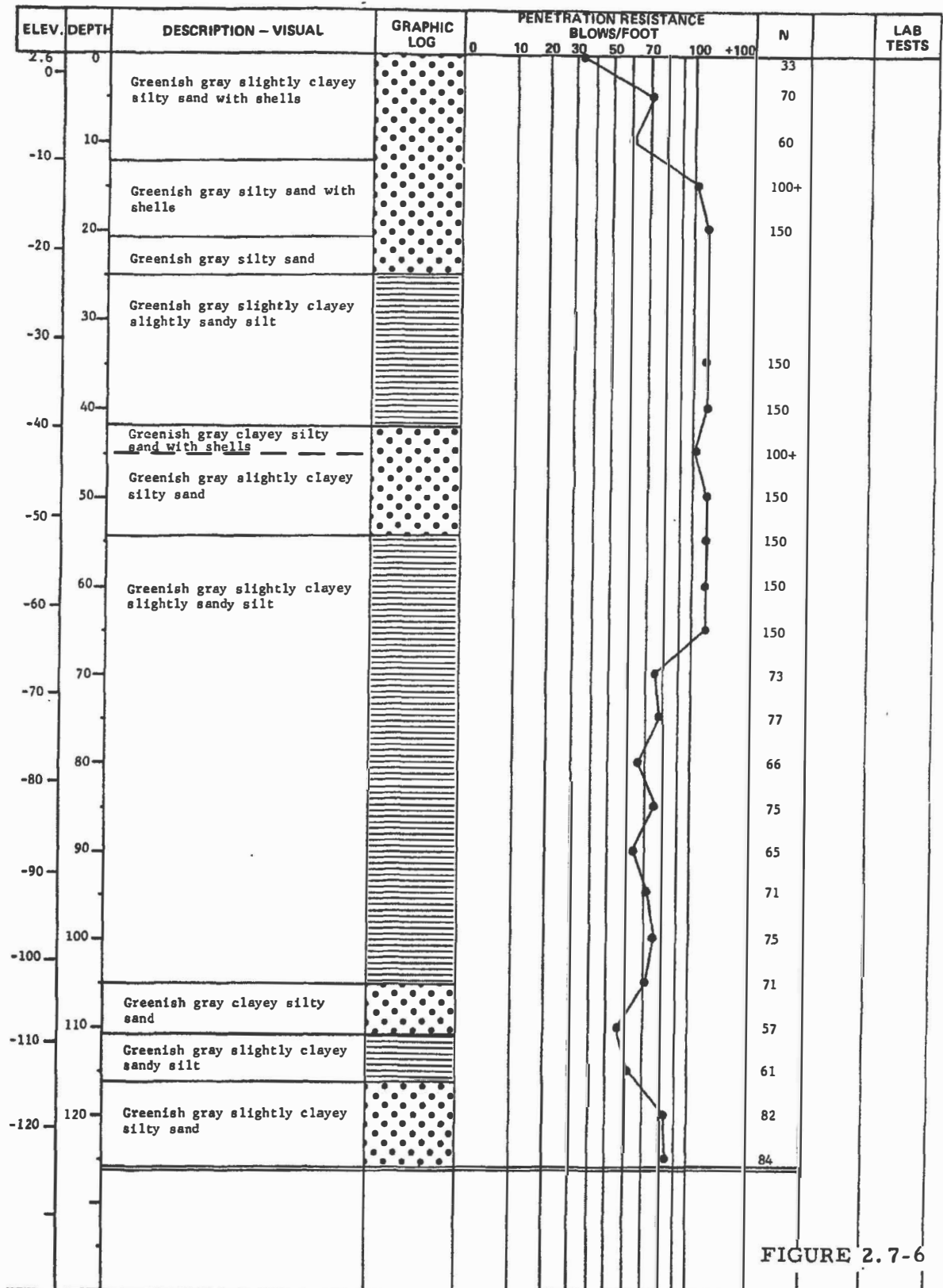


FIGURE 2.7-6

BALTIMORE GAS AND ELECTRIC COMPANY **GRAPHIC BORING LOG** **CALVERT CLIFFS NUCLEAR POWER PLANT**
SUPPLEMENTAL SITE BORINGS

BORING NO. 212

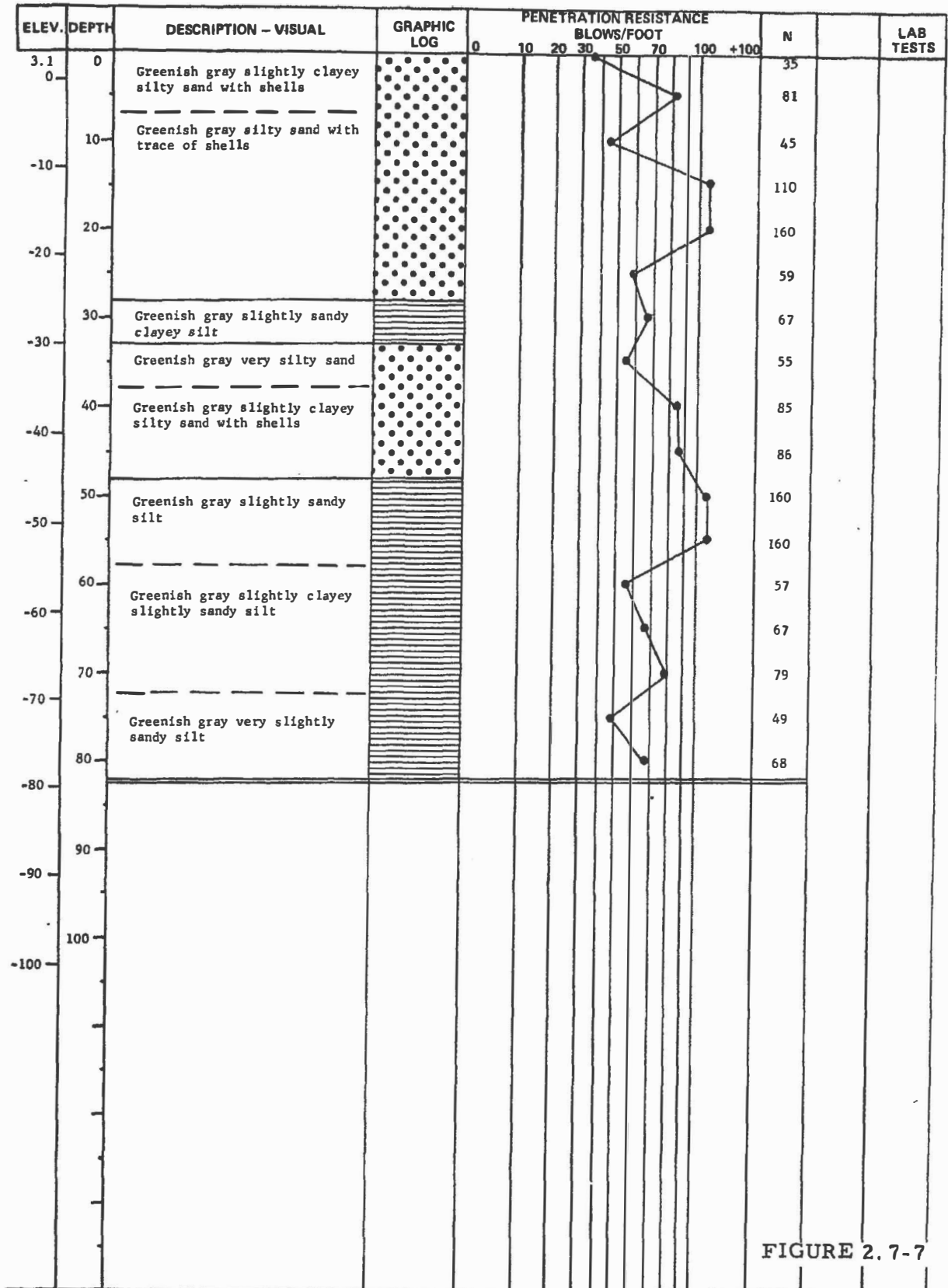


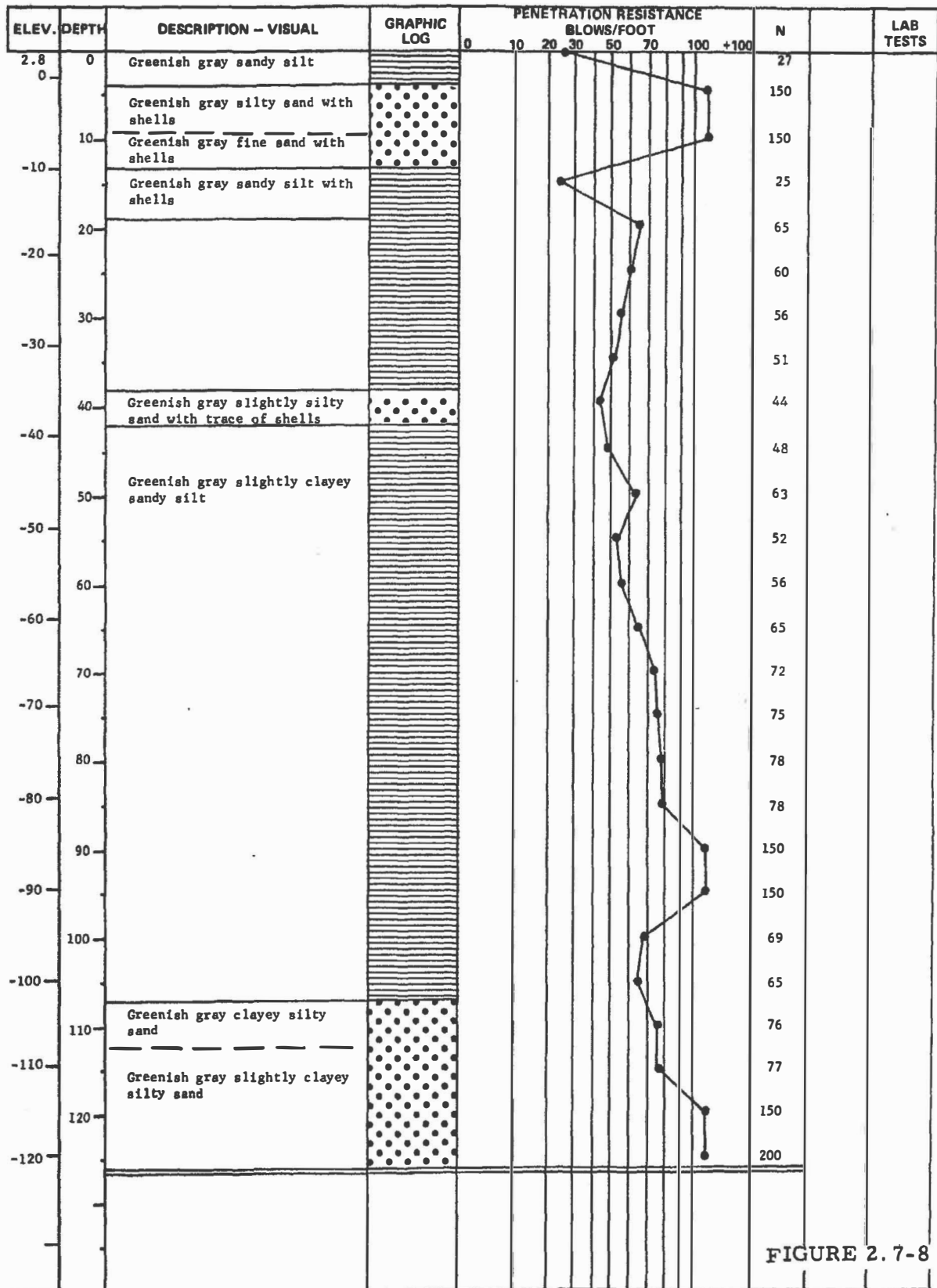
FIGURE 2.7-7

BALTIMORE GAS AND ELECTRIC COMPANY

GRAPHIC BORING LOG
SUPPLEMENTAL SITE BORINGS

CALVERT CLIFFS NUCLEAR POWER PLANT

BORING NO. 213



2.7-9 GRAPHIC BORING LOGS, BALTIMORE GAS AND ELECTRIC COMPANY, CALVERT CLIFFS NUCLEAR POWER PLANT, SUPPLEMENTARY SITE BORINGS

BALTIMORE GAS AND ELECTRIC COMPANY GRAPHIC BORING LOG CALVERT CLIFFS NUCLEAR POWER PLANT
SUPPLEMENTAL SITE BORINGS

BORING NO. 214

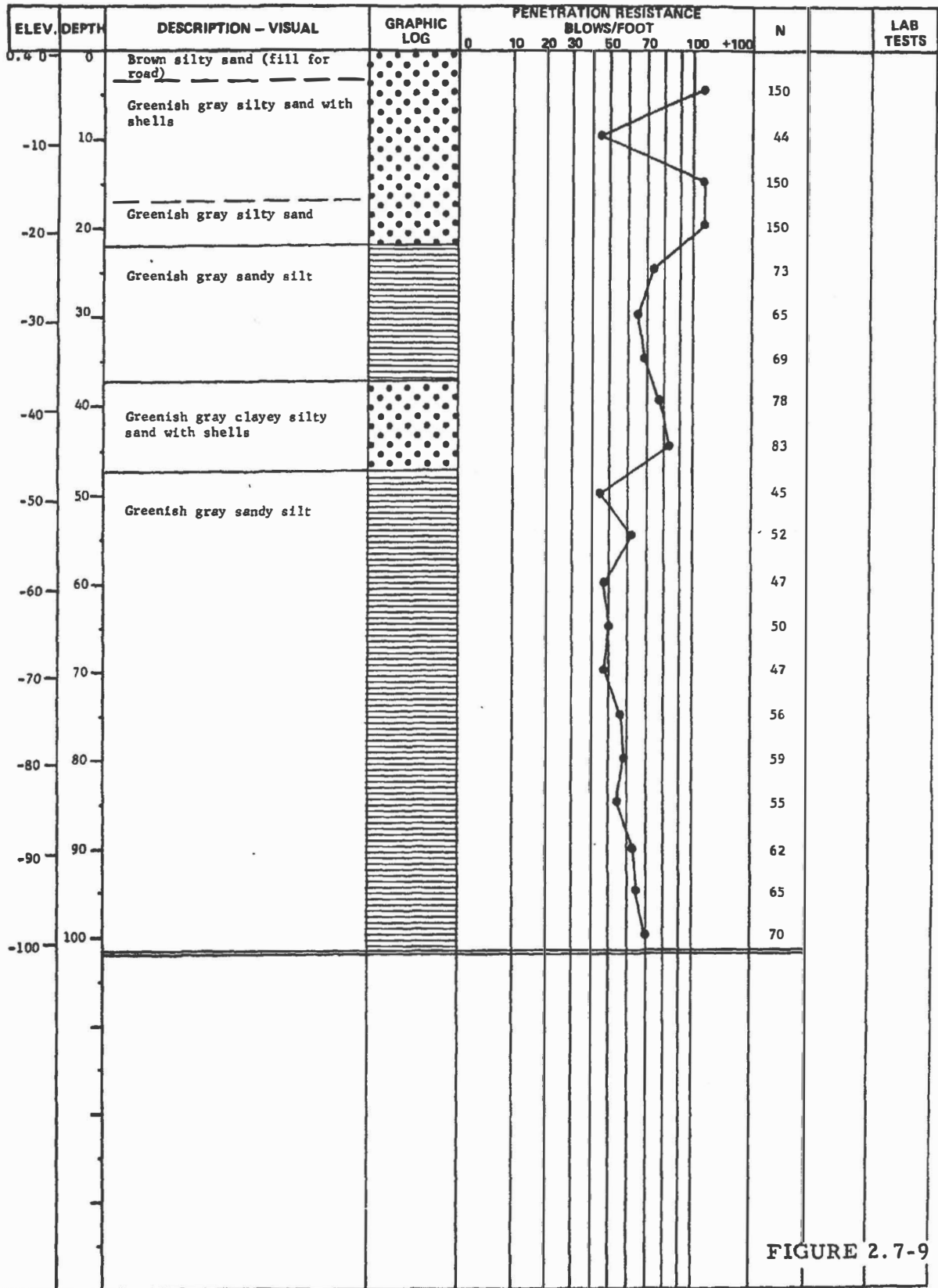


FIGURE 2.7-9

BALTIMORE GAS AND ELECTRIC COMPANY **GRAPHIC BORING LOG** **CALVERT CLIFFS NUCLEAR POWER PLANT**
SUPPLEMENTAL SITE BORINGS

BORING NO. 215

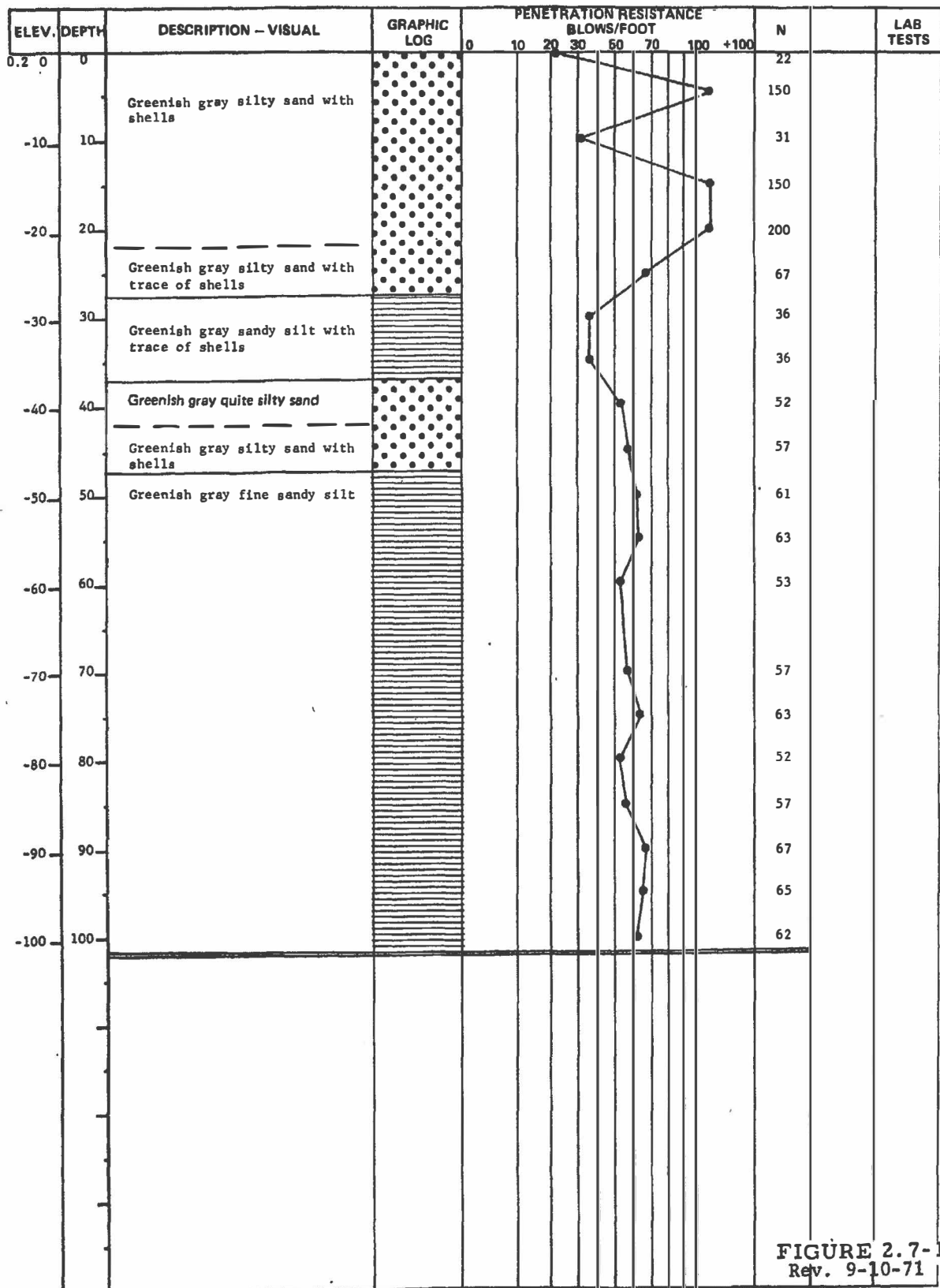


FIGURE 2.7-10
Rev. 9-10-71

BALTIMORE GAS AND ELECTRIC COMPANY **GRAPHIC BORING LOG** **CALVERT CLIFFS NUCLEAR POWER PLANT**
SUPPLEMENTAL SITE BORINGS

BORING NO. 216

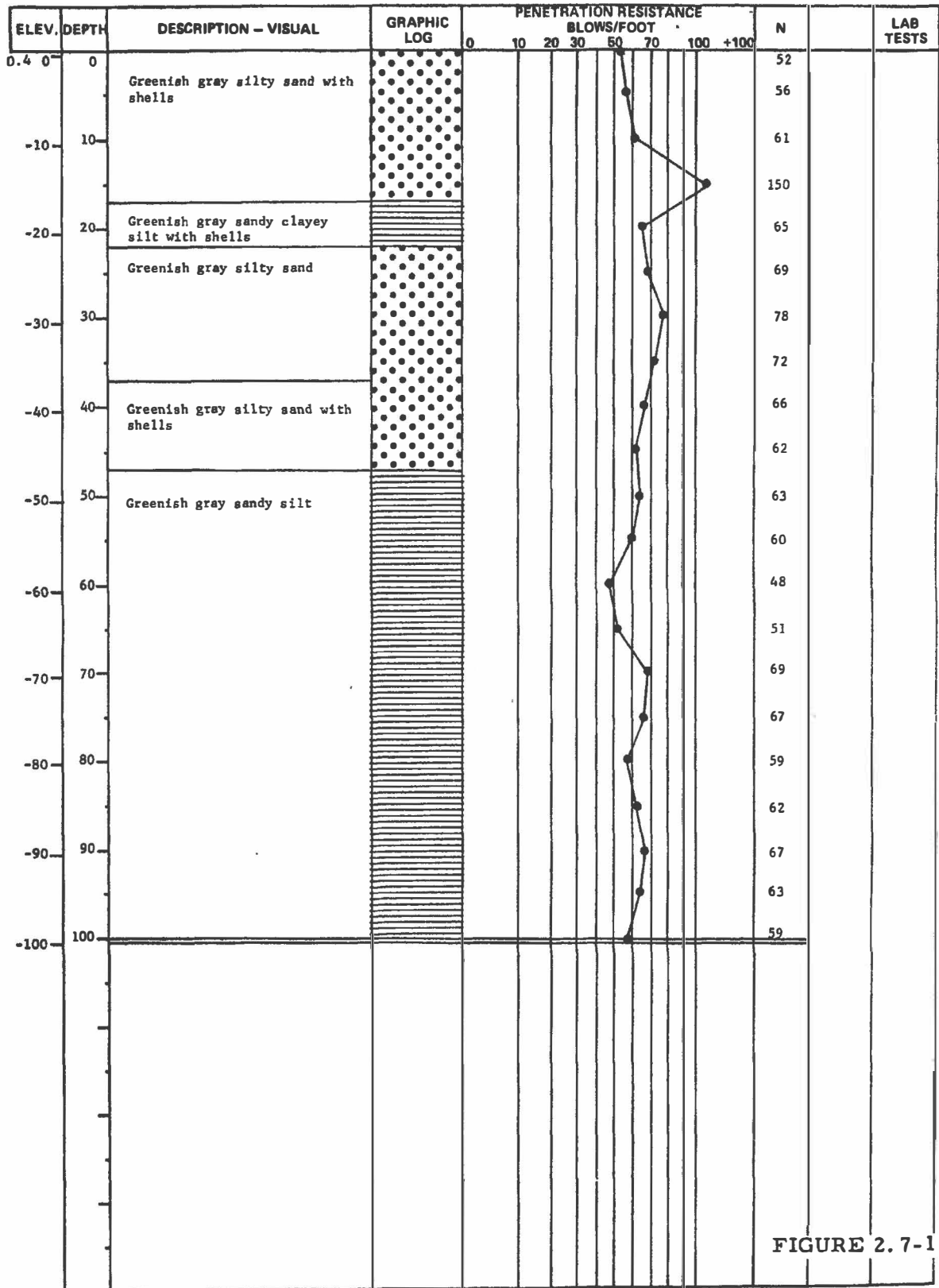


FIGURE 2.7-11

2.7-12 GRAPHIC BORING LOGS, BALTIMORE GAS AND ELECTRIC COMPANY, CALVERT CLIFFS NUCLEAR POWER PLANT, SUPPLEMENTARY SITE BORINGS

BALTIMORE GAS AND ELECTRIC COMPANY **GRAPHIC BORING LOG**
SUPPLEMENTAL SITE BORINGS **CALVERT CLIFFS NUCLEAR POWER PLANT**

BORING NO. 217

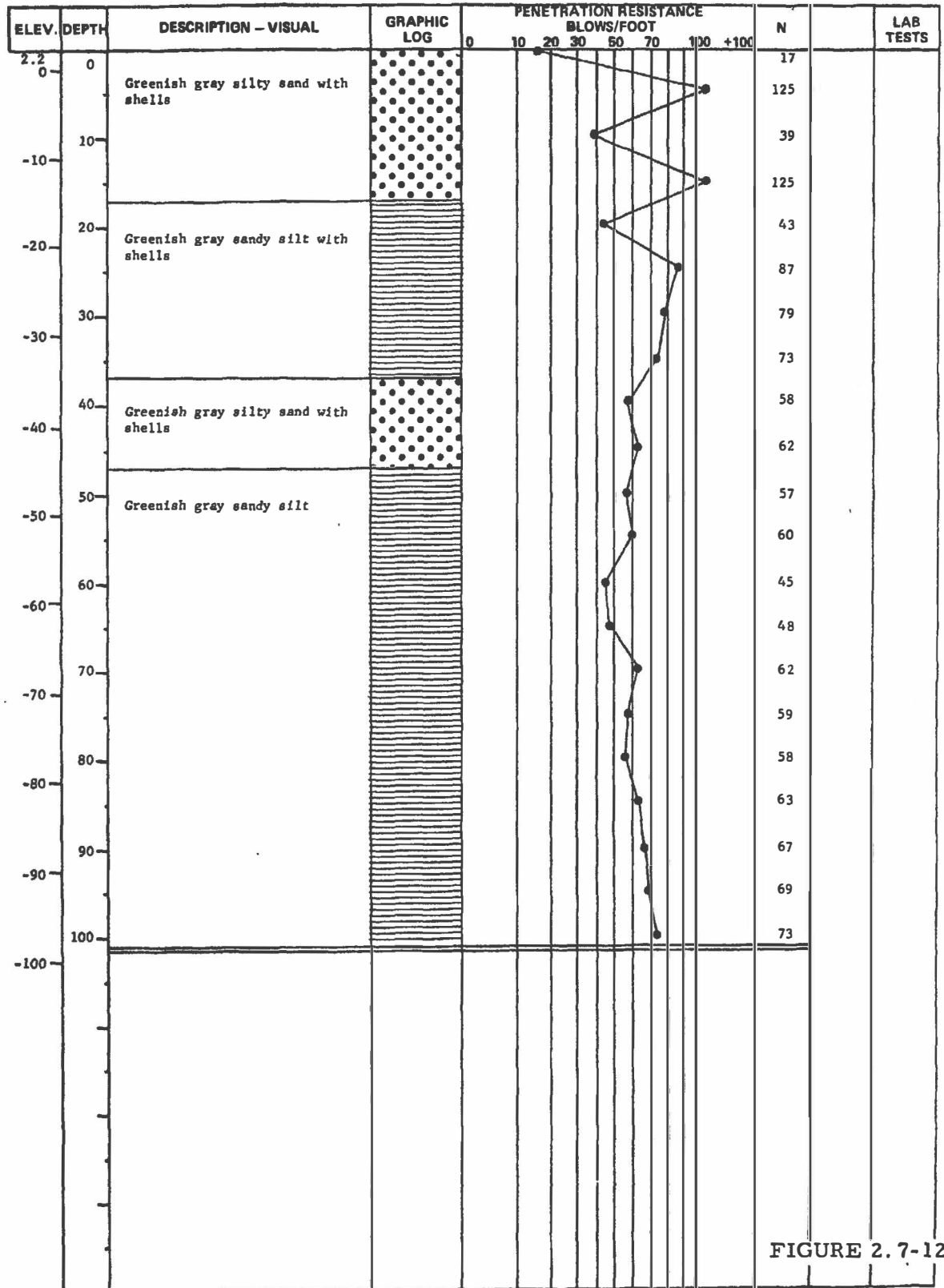


FIGURE 2.7-12

BALTIMORE GAS AND ELECTRIC COMPANY **GRAPHIC BORING LOG** **CALVERT CLIFFS NUCLEAR POWER PLANT**
SUPPLEMENTAL SITE BORINGS

BORING NO. 218

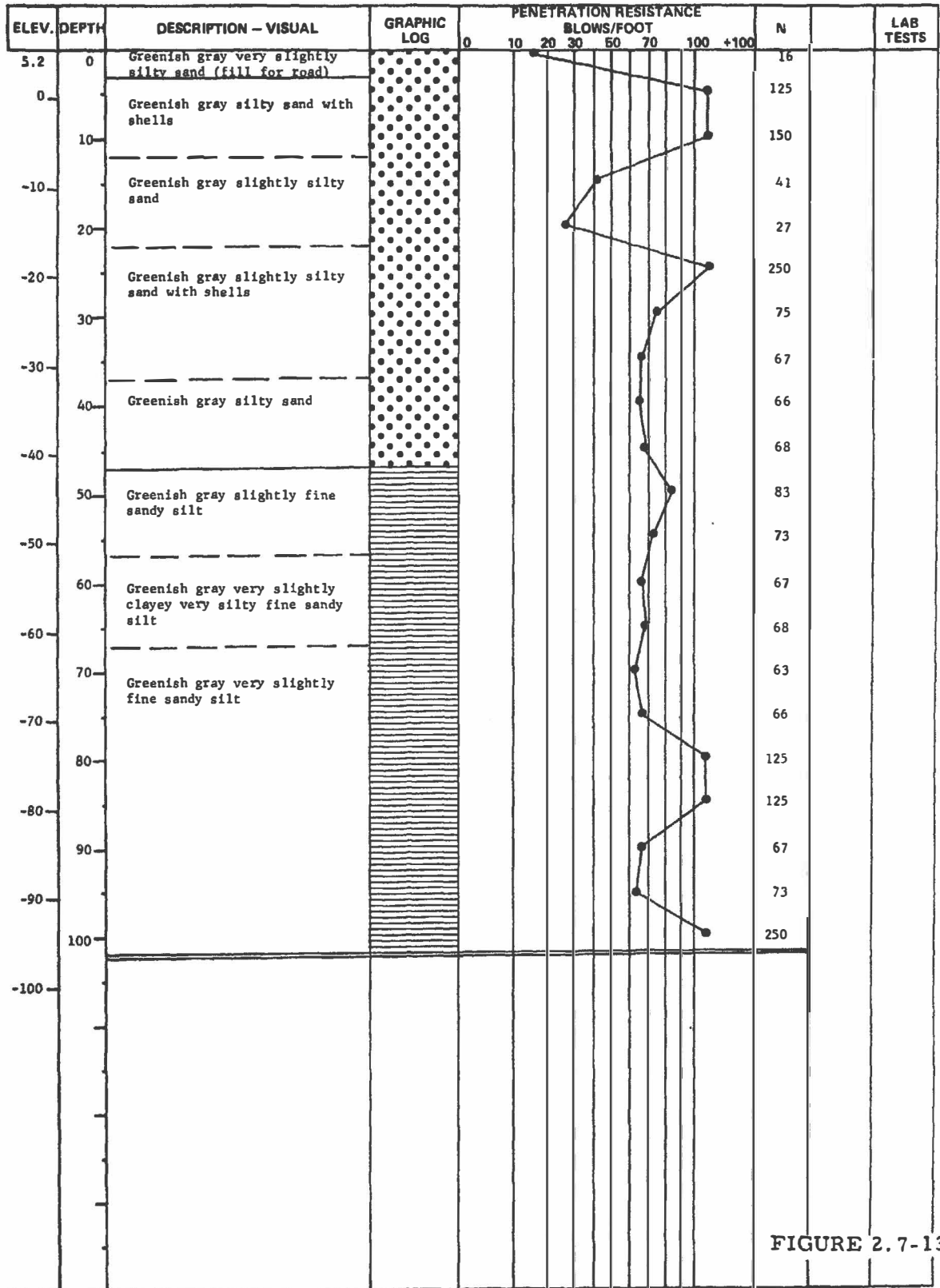


FIGURE 2.7-13

2.7-14 GRAPHIC BORING LOGS, BALTIMORE GAS AND ELECTRIC COMPANY, CALVERT CLIFFS NUCLEAR POWER PLANT, SUPPLEMENTARY SITE BORINGS

BALTIMORE GAS AND ELECTRIC COMPANY GRAPHIC BORING LOG
SUPPLEMENTAL SITE BORINGS CALVERT CLIFFS NUCLEAR POWER PLANT

BORING NO. 219

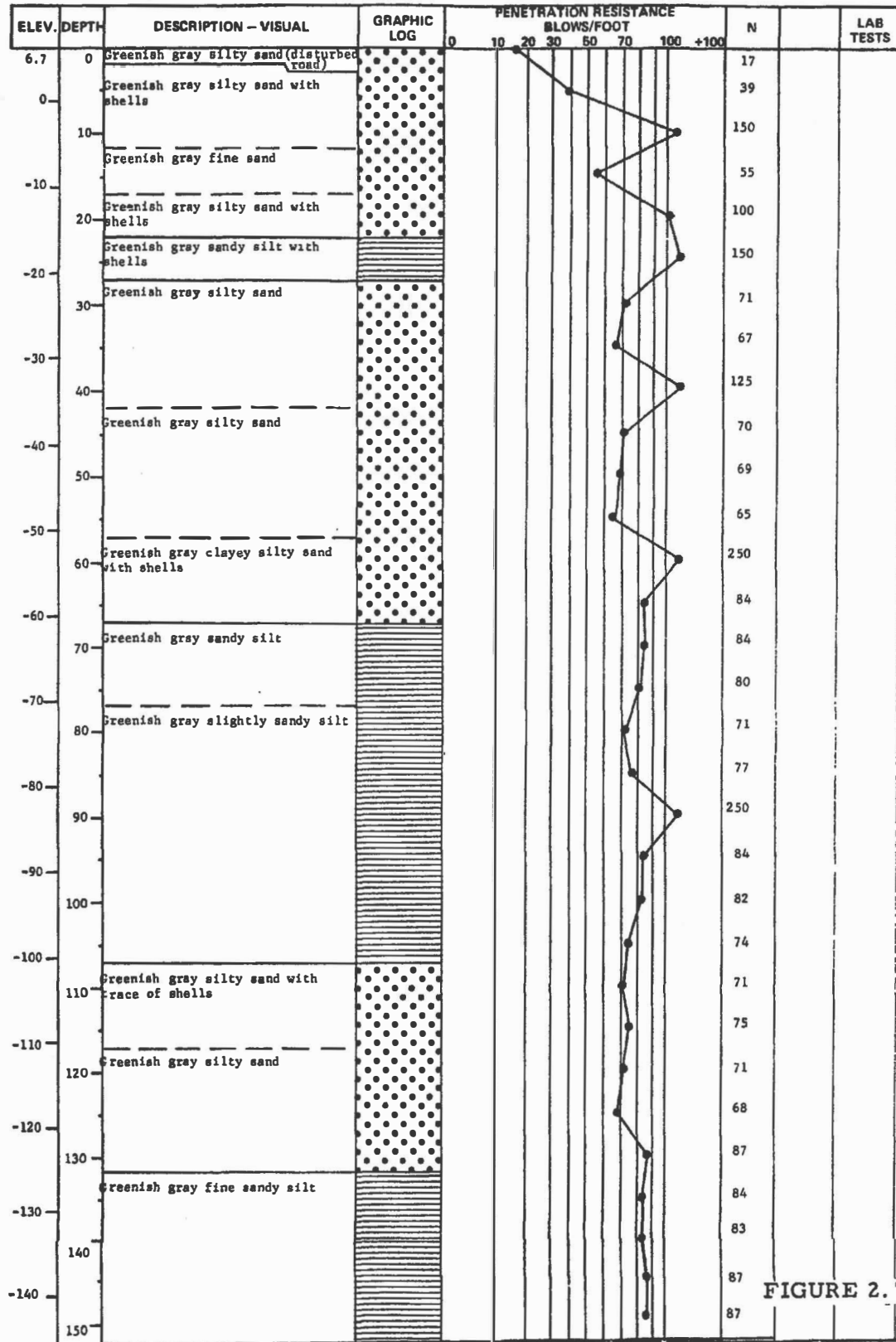


FIGURE 2.7-14

2.7-15 GRAPHIC BORING LOGS, BALTIMORE GAS AND ELECTRIC COMPANY, CALVERT CLIFFS NUCLEAR POWER PLANT, SUPPLEMENTARY SITE BORINGS

BALTIMORE GAS AND ELECTRIC COMPANY GRAPHIC BORING LOG CALVERT CLIFFS NUCLEAR POWER PLANT
SUPPLEMENTAL SITE BORINGS

BORING NO. 220

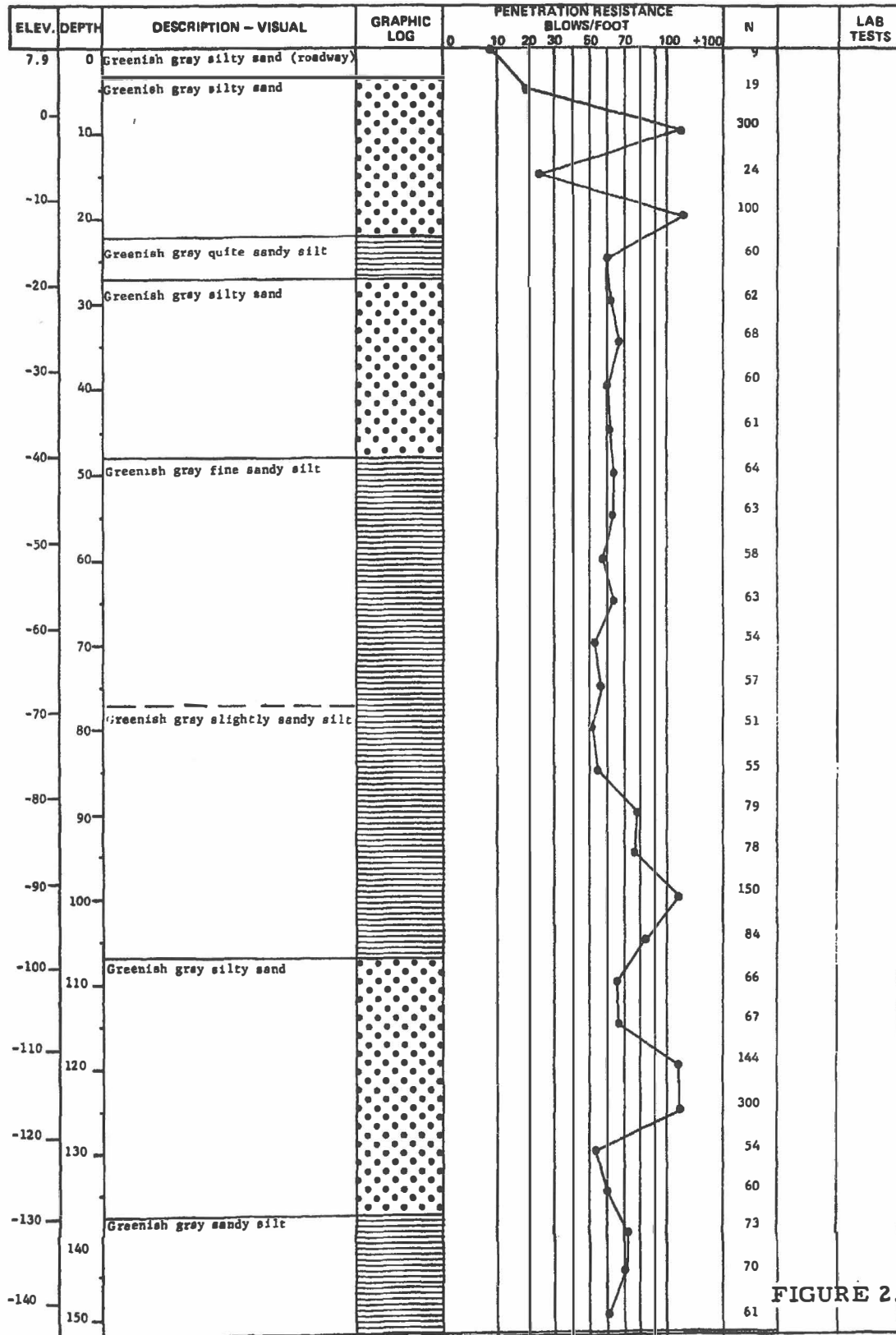


FIGURE 2.7-15

BALTIMORE GAS AND ELECTRIC COMPANY **GRAPHIC BORING LOG** **CALVERT CLIFFS NUCLEAR POWER PLANT**
SUPPLEMENTAL SITE BORINGS

BORING NO. 221

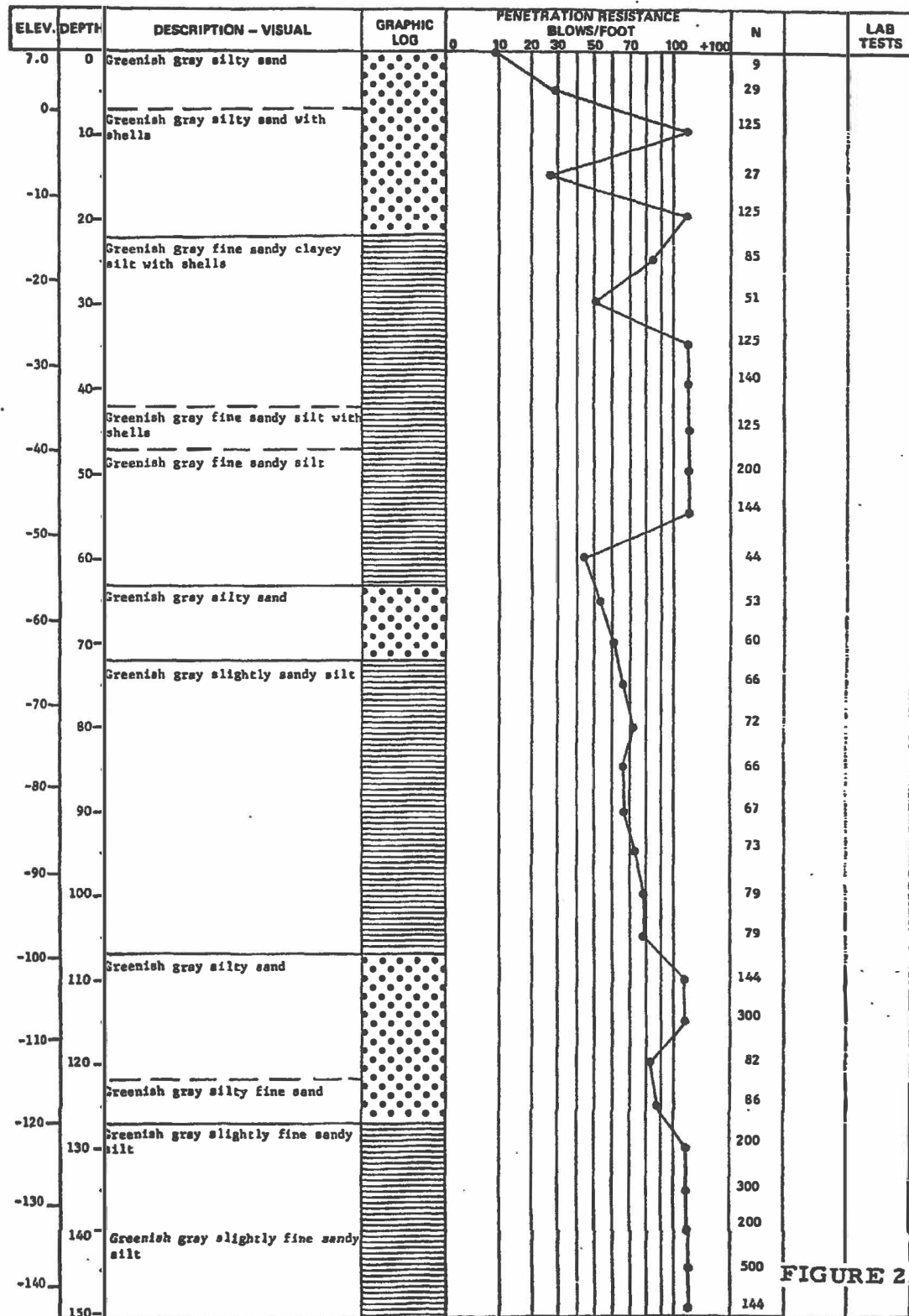


FIGURE 2.7-16

BALTIMORE GAS AND ELECTRIC COMPANY

GRAPHIC BORING LOG
SUPPLEMENTAL SITE BORINGS

CALVERT CLIFFS NUCLEAR POWER PLANT

BORING NO. 222

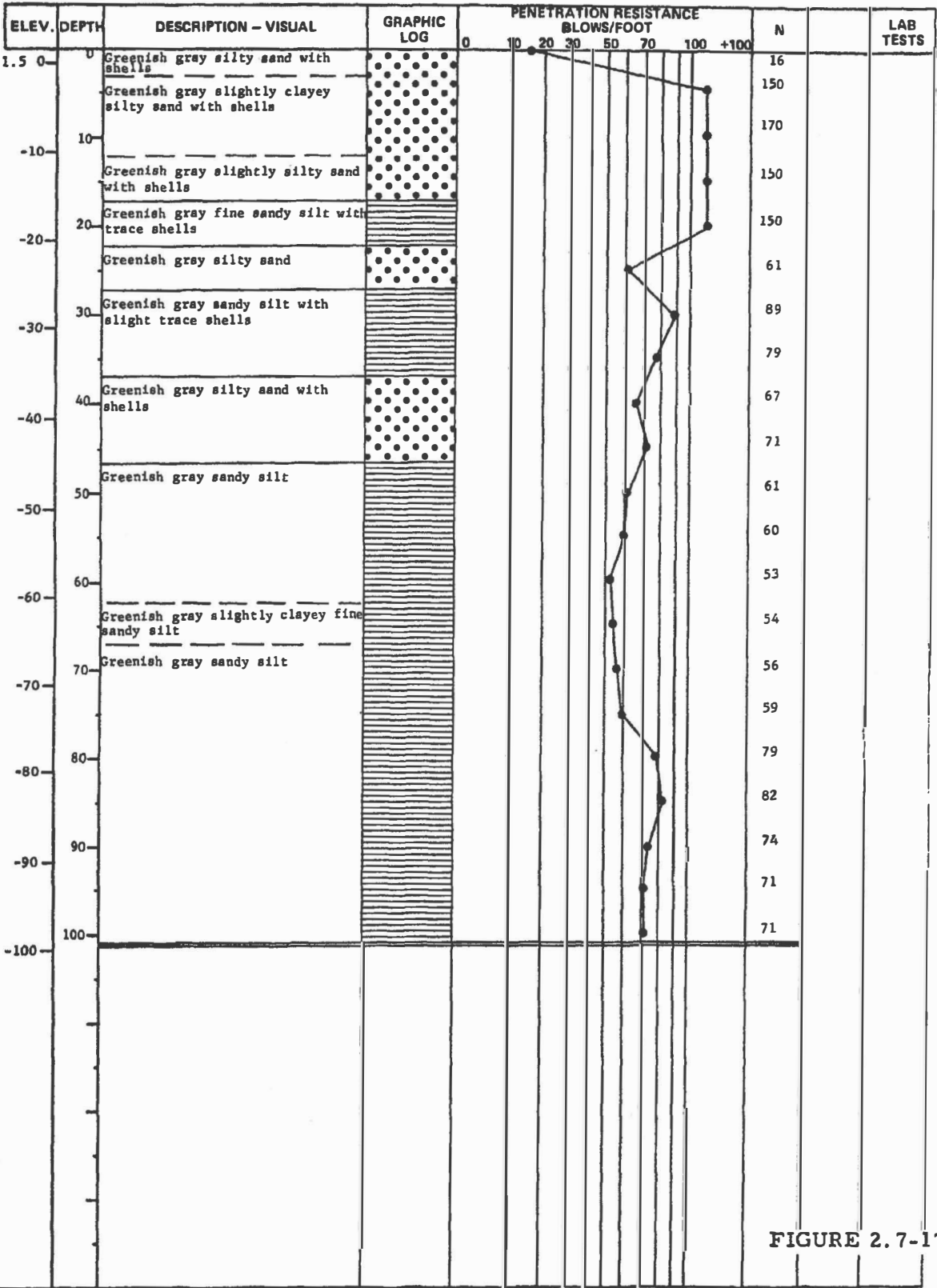


FIGURE 2.7-17

BALTIMORE GAS AND ELECTRIC COMPANY

GRAPHIC BORING LOG
SUPPLEMENTAL SITE BORINGS

CALVERT CLIFFS NUCLEAR POWER PLANT

BORING NO. 223

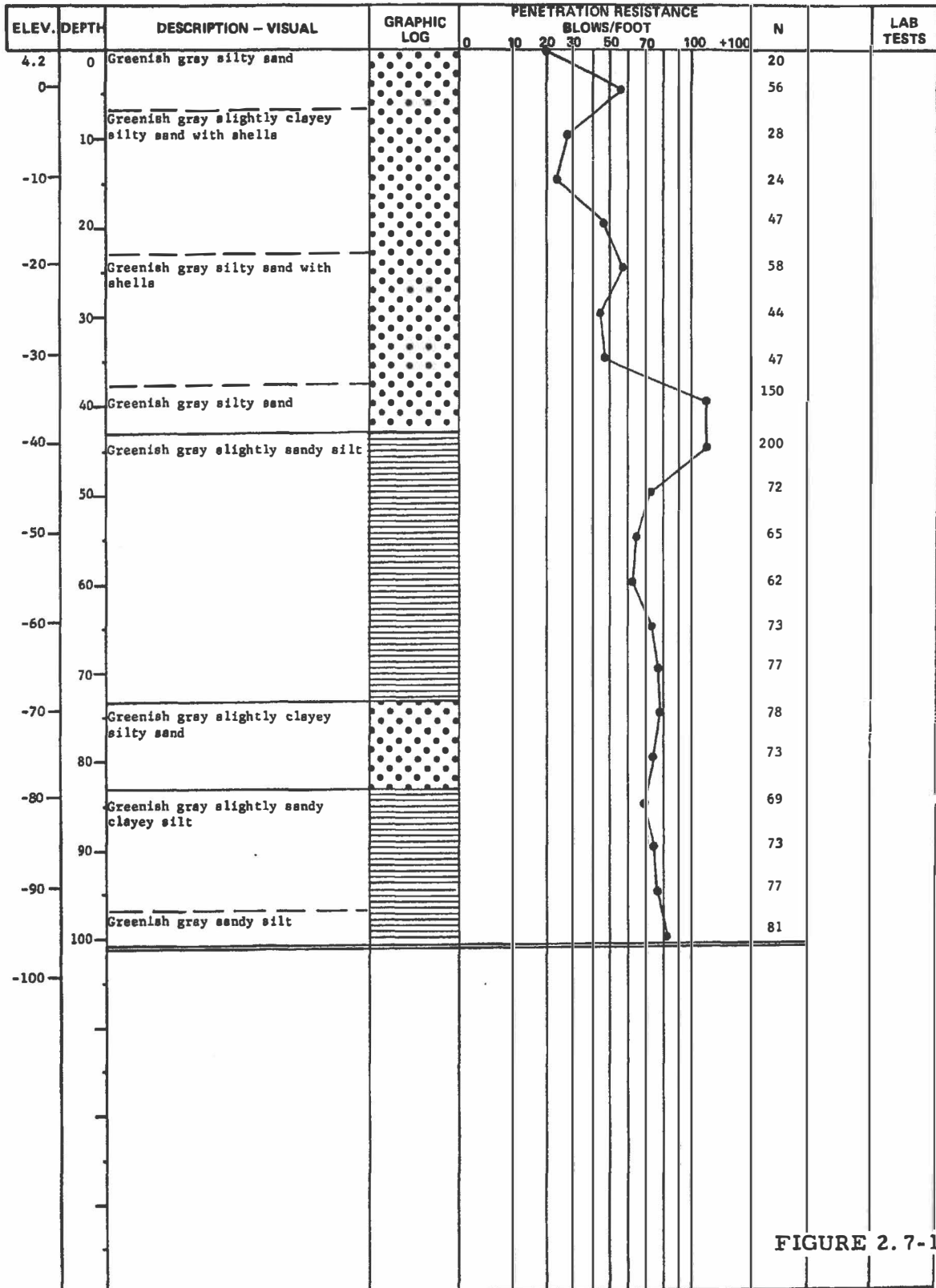


FIGURE 2.7-18

BALTIMORE GAS AND ELECTRIC COMPANY

GRAPHIC BORING LOG
SUPPLEMENTAL SITE BORINGS

CALVERT CLIFFS NUCLEAR POWER PLANT

BORING NO. 224

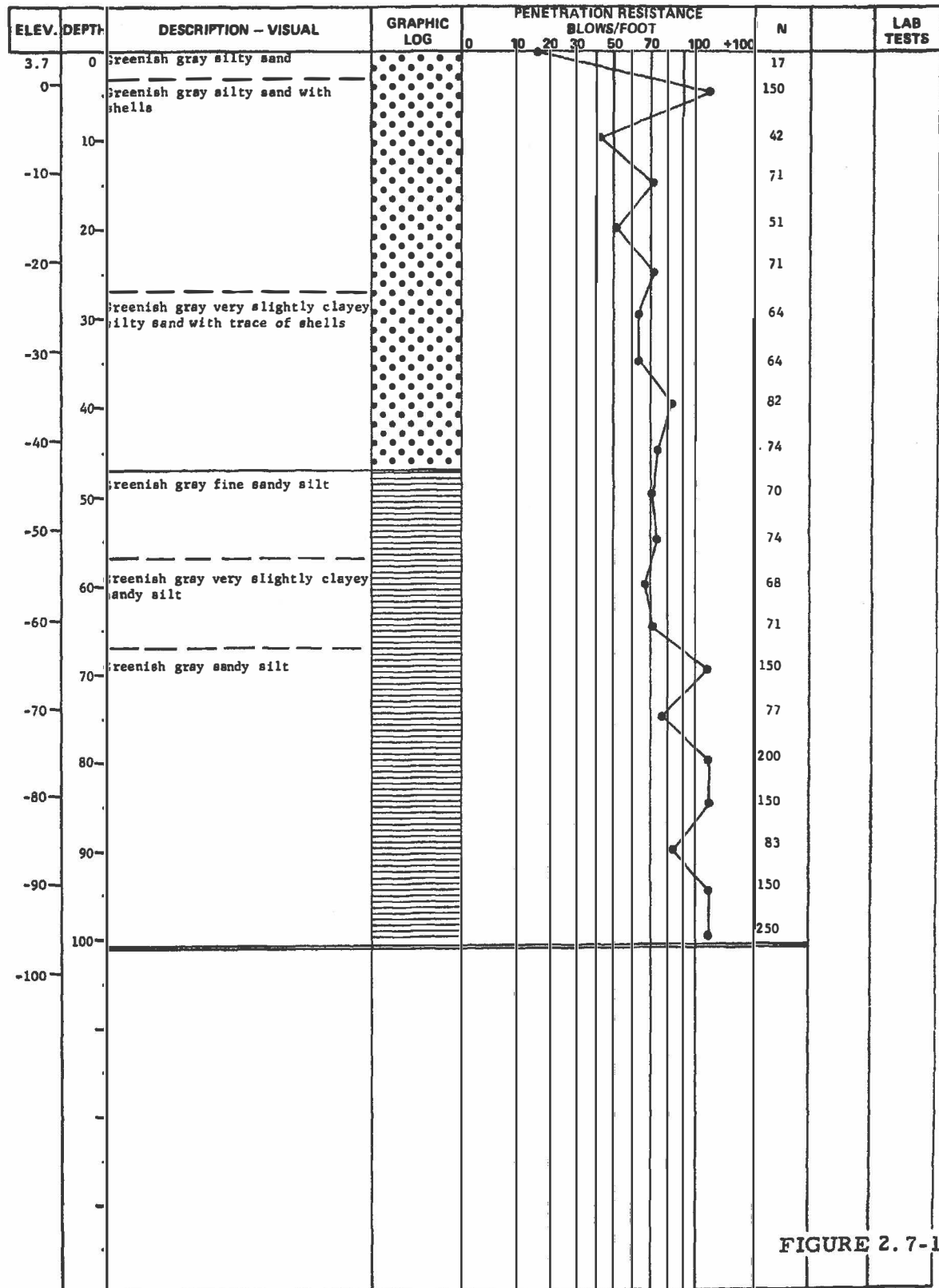


FIGURE 2.7-19

BALTIMORE GAS AND ELECTRIC COMPANY **GRAPHIC BORING LOG** **SUPPLEMENTAL SITE BORINGS** **CALVERT CLIFFS NUCLEAR POWER PLANT**

BORING NO. 226

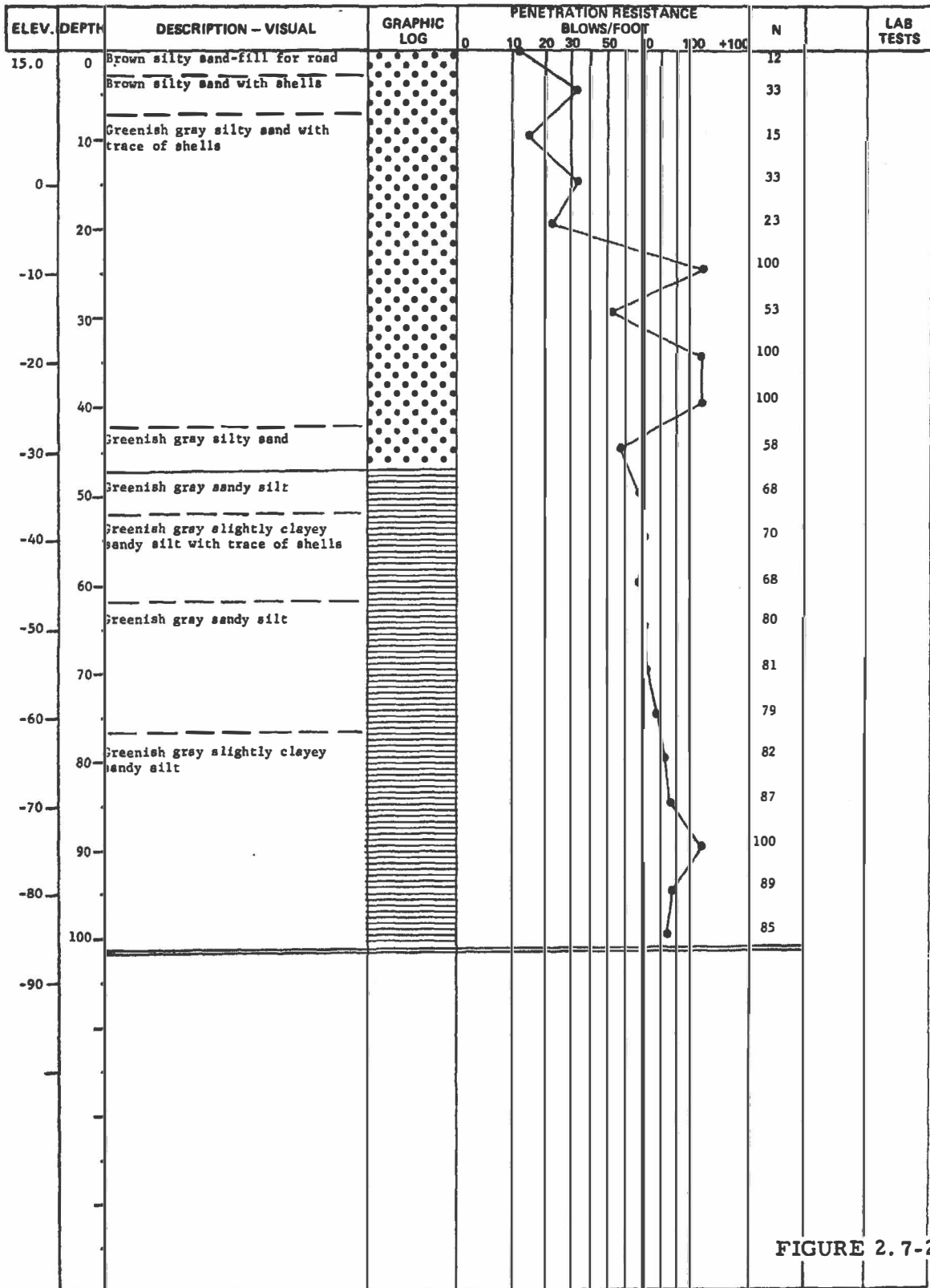


FIGURE 2.7-20

BALTIMORE GAS AND ELECTRIC COMPANY **GRAPHIC BORING LOG** **SUPPLEMENTAL SITE BORINGS** **CALVERT CLIFFS NUCLEAR POWER PLANT**

BORING NO. 227

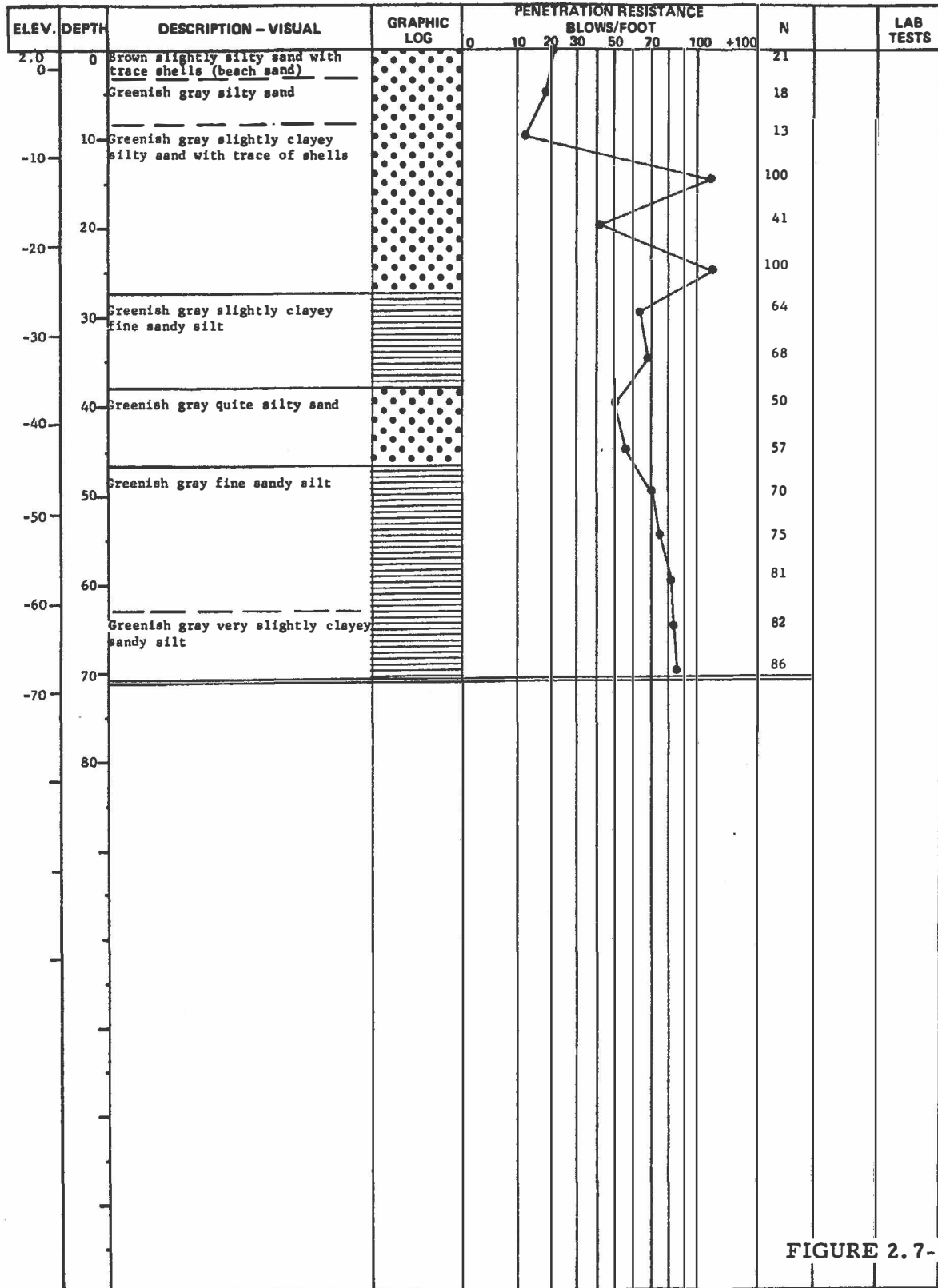


FIGURE 2.7-21

BALTIMORE GAS AND ELECTRIC COMPANY GRAPHIC BORING LOG CALVERT CLIFFS NUCLEAR POWER PLANT
SUPPLEMENTAL SITE BORINGS

BORING NO. 228

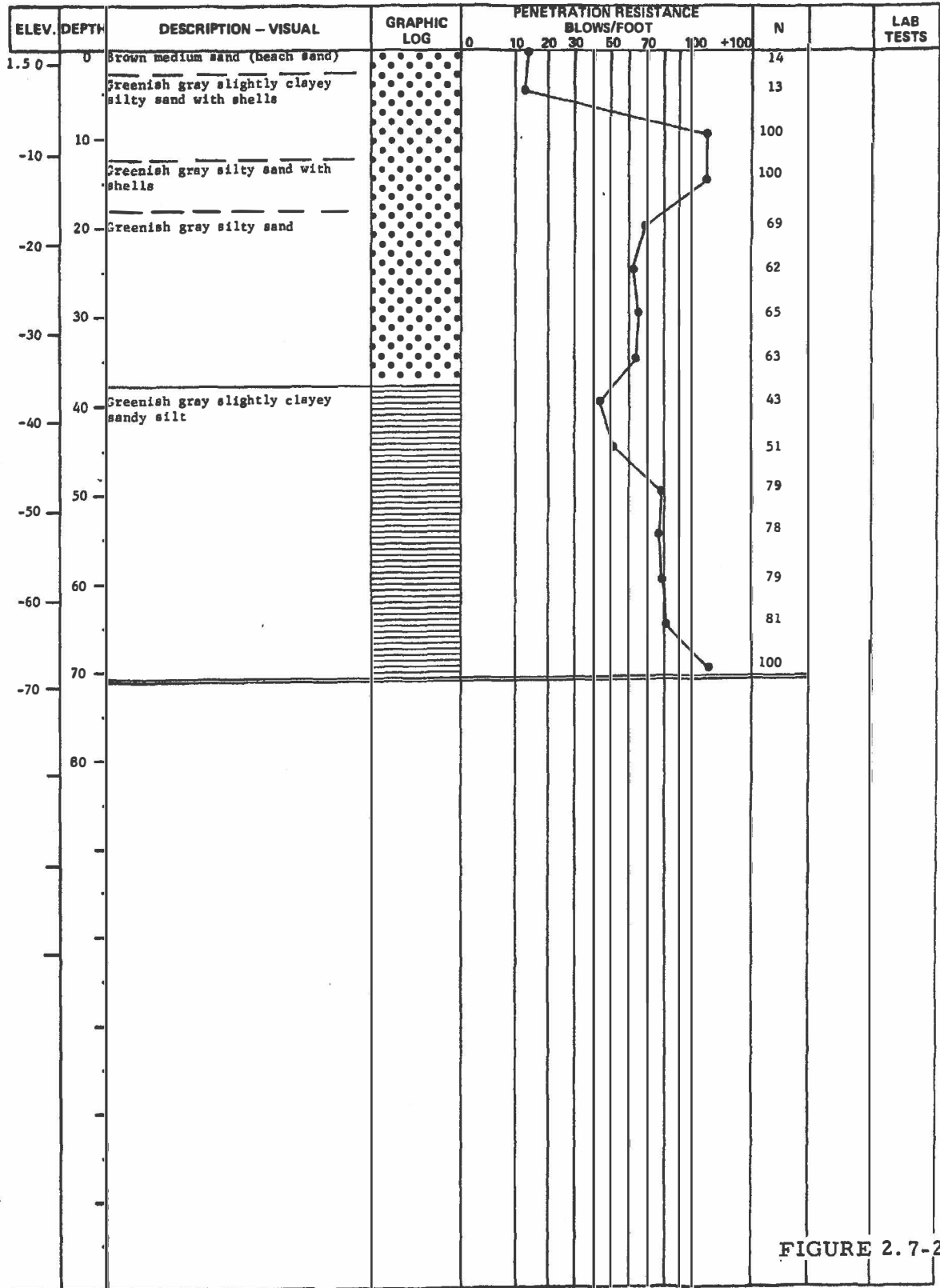


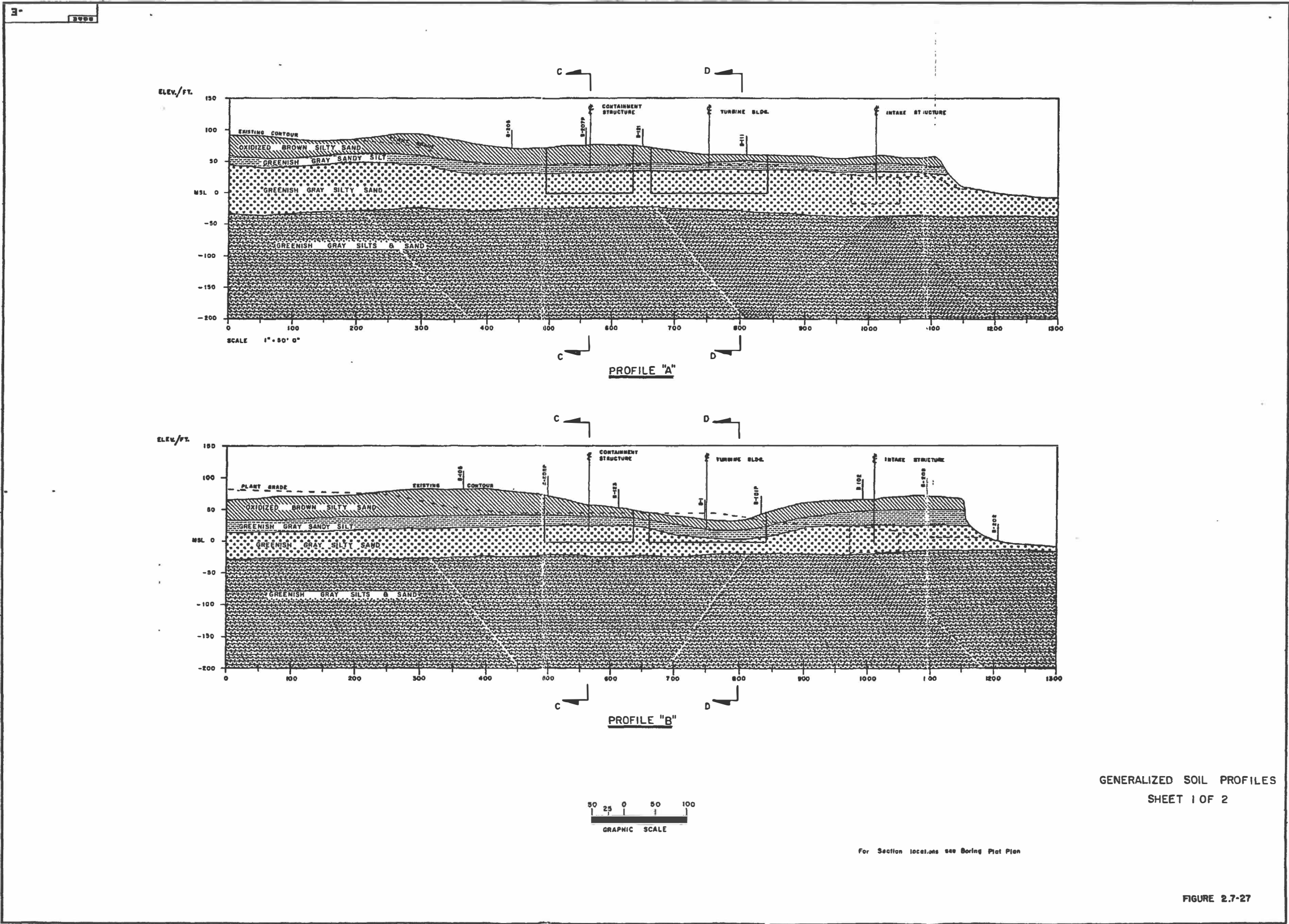
FIGURE 2.7-22

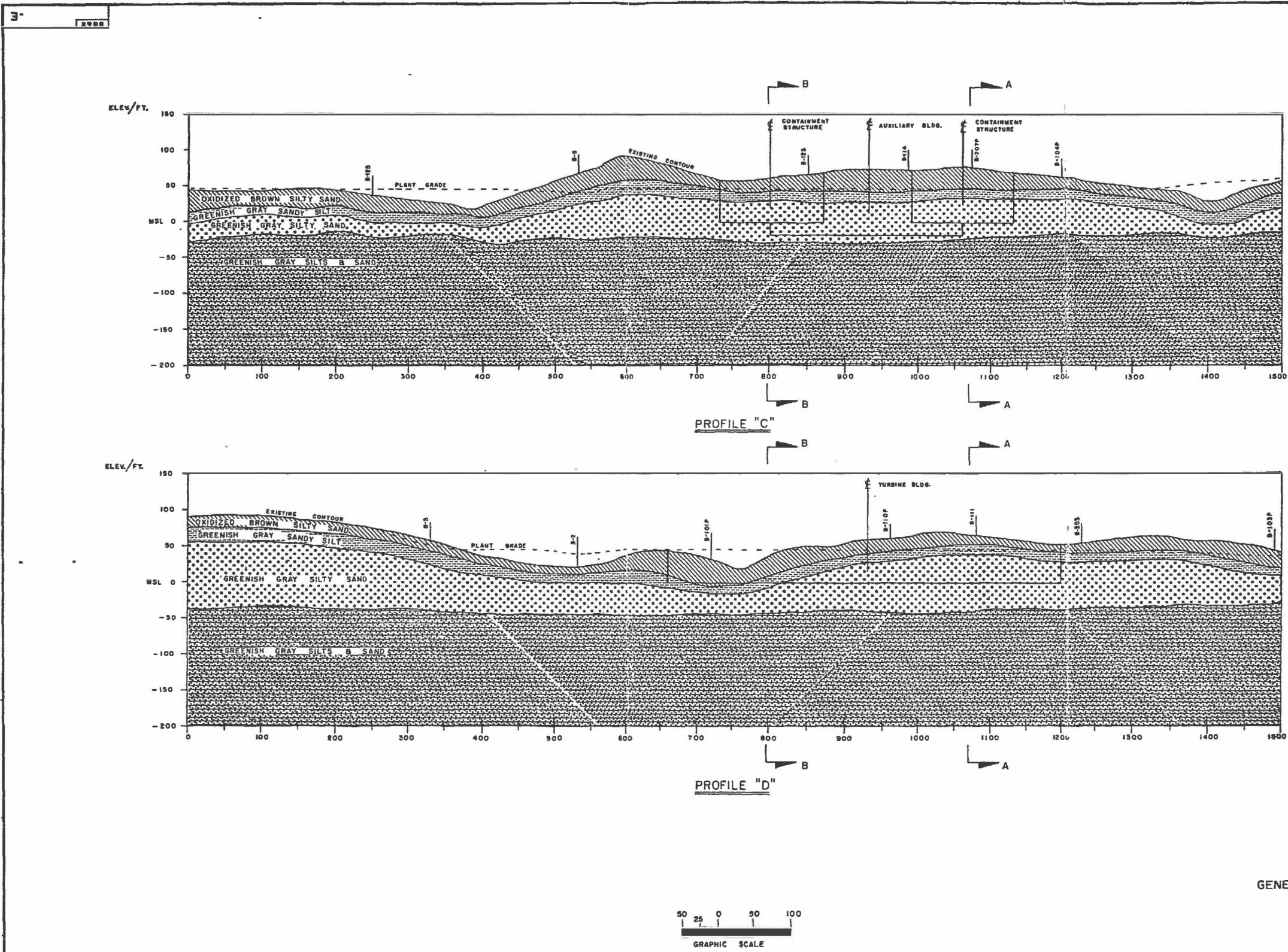








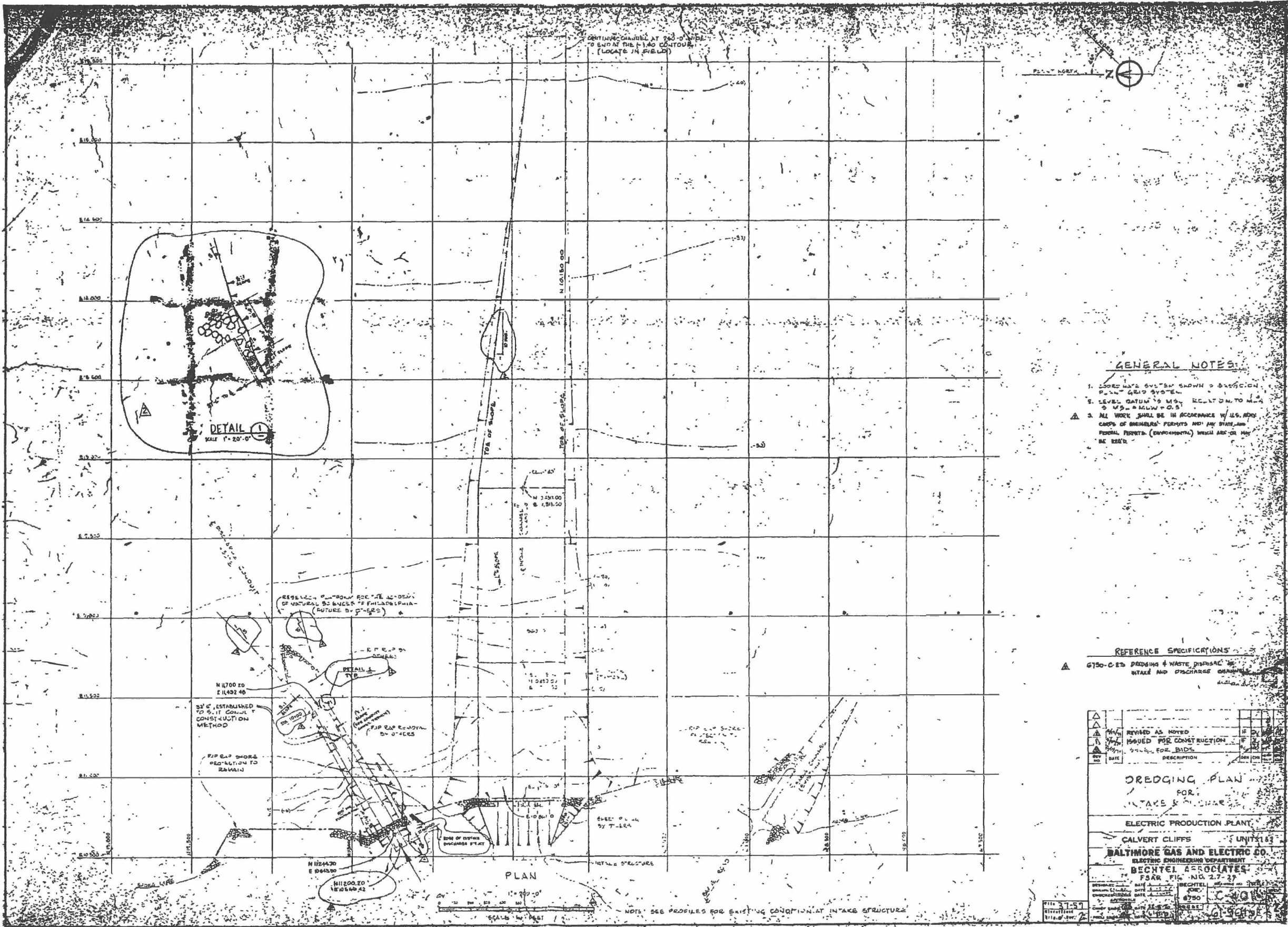




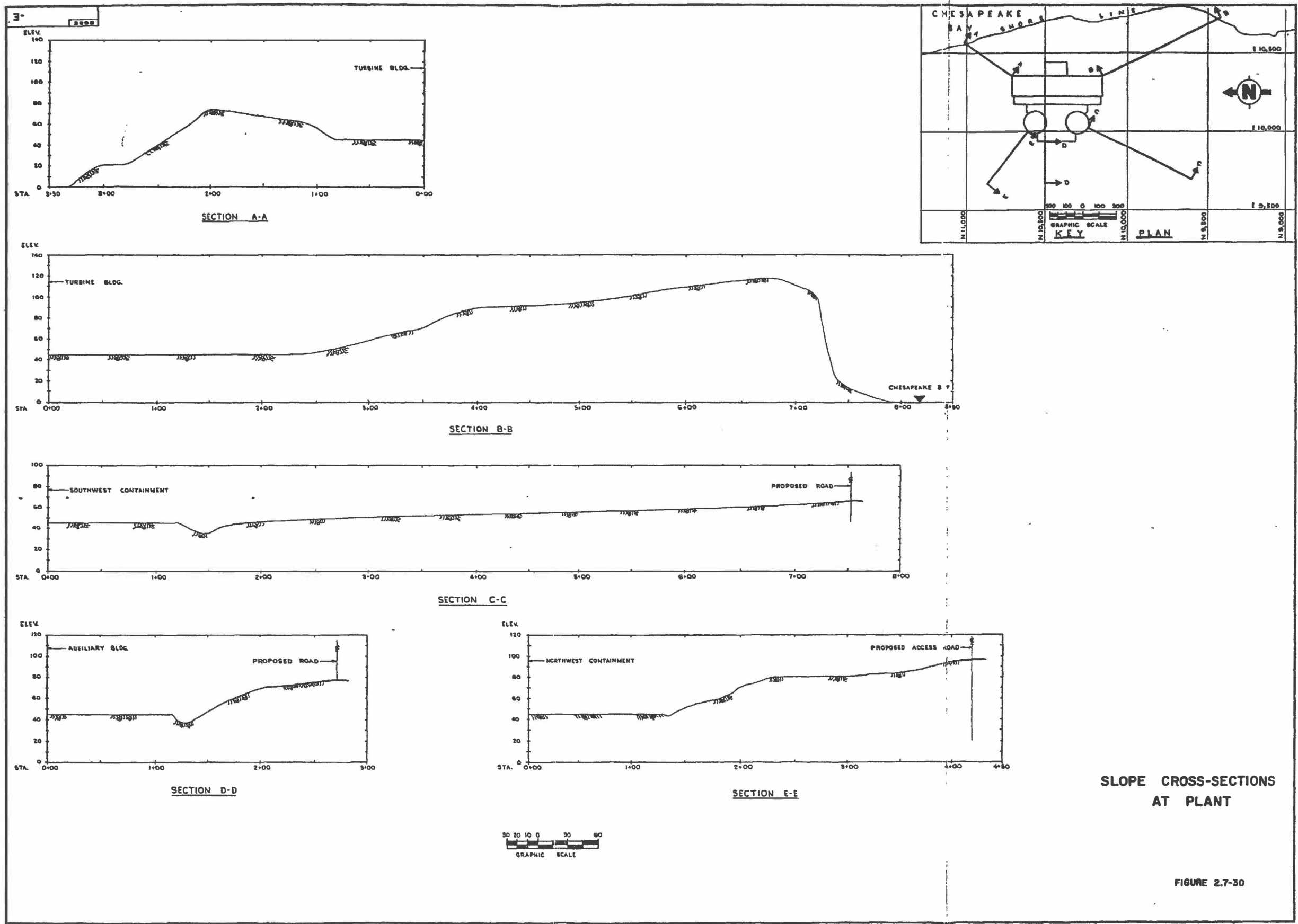
GENERALIZED SOIL PROFILES
SHEET 2 OF 2

For Section locations see Boring Plot Plan

FIGURE 2.7-28

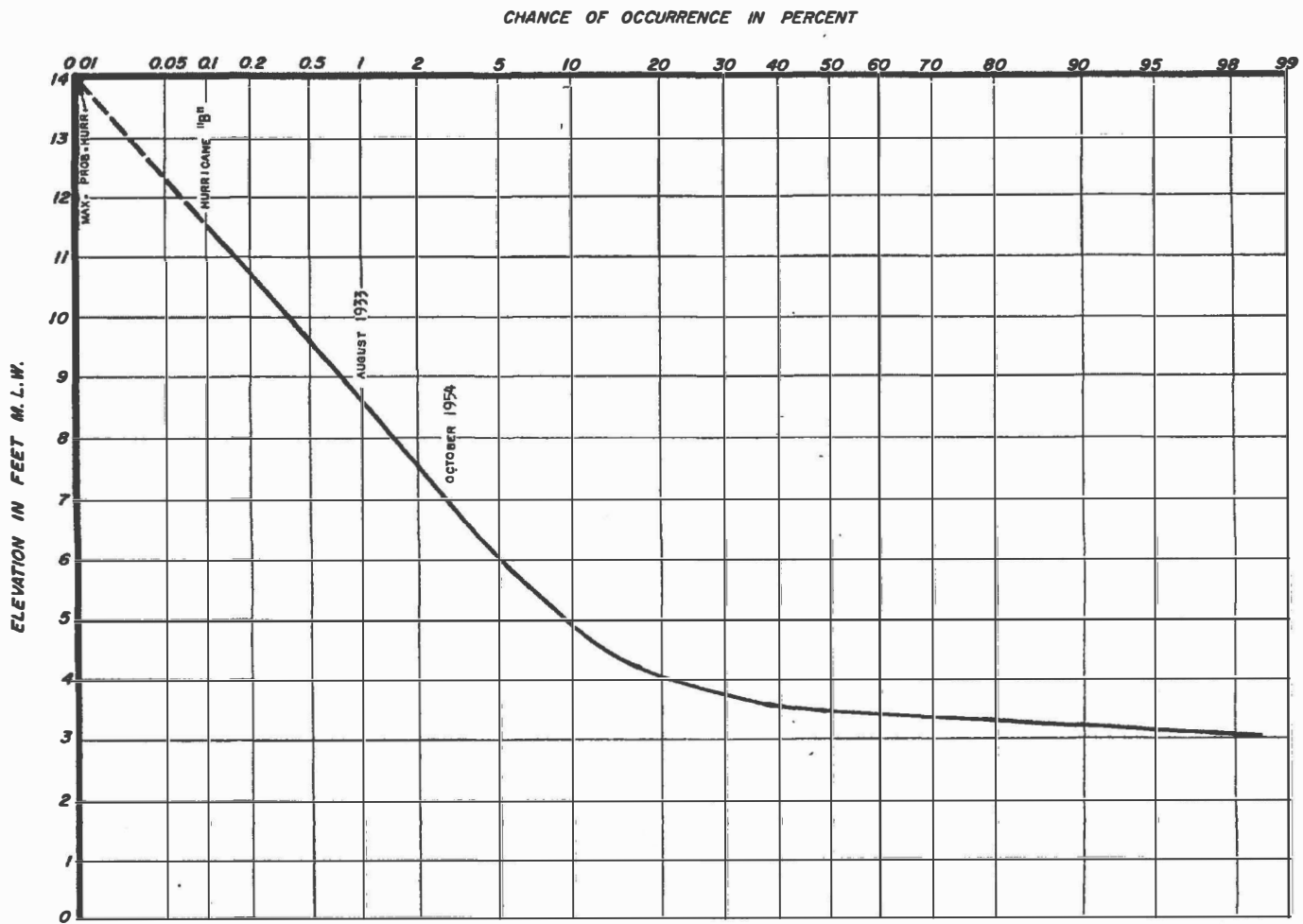


2.7-30 SLOPE CROSS-SECTIONS AT PLANT



SLOPE CROSS-SECTIONS
AT PLANT

FIGURE 2.7-30

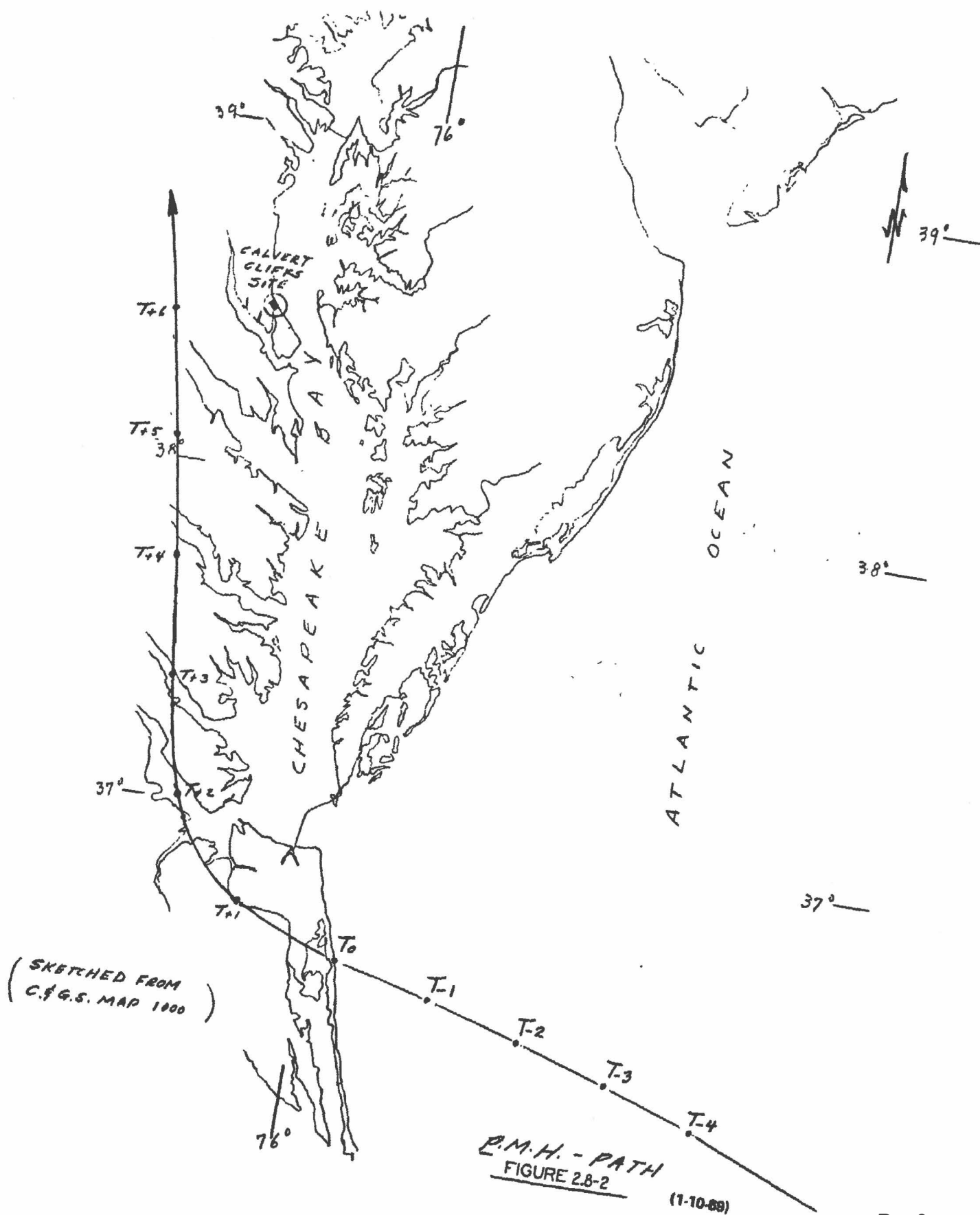


GENERALIZED TIME FREQUENCY CURVE

NOTE:
REPRODUCED FROM PLATE 3 OF H.DOC. NO. 350
88 CONGRESS, 2ND. SESS. "TIDEWATER PORTIONS
OF PATUXENT, POTOMAC AND RAPPAHANNOCK RIVERS,
INCLUDING ADJACENT CHESAPEAKE BAY SHORELINES"

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FIGURE 2.8-1



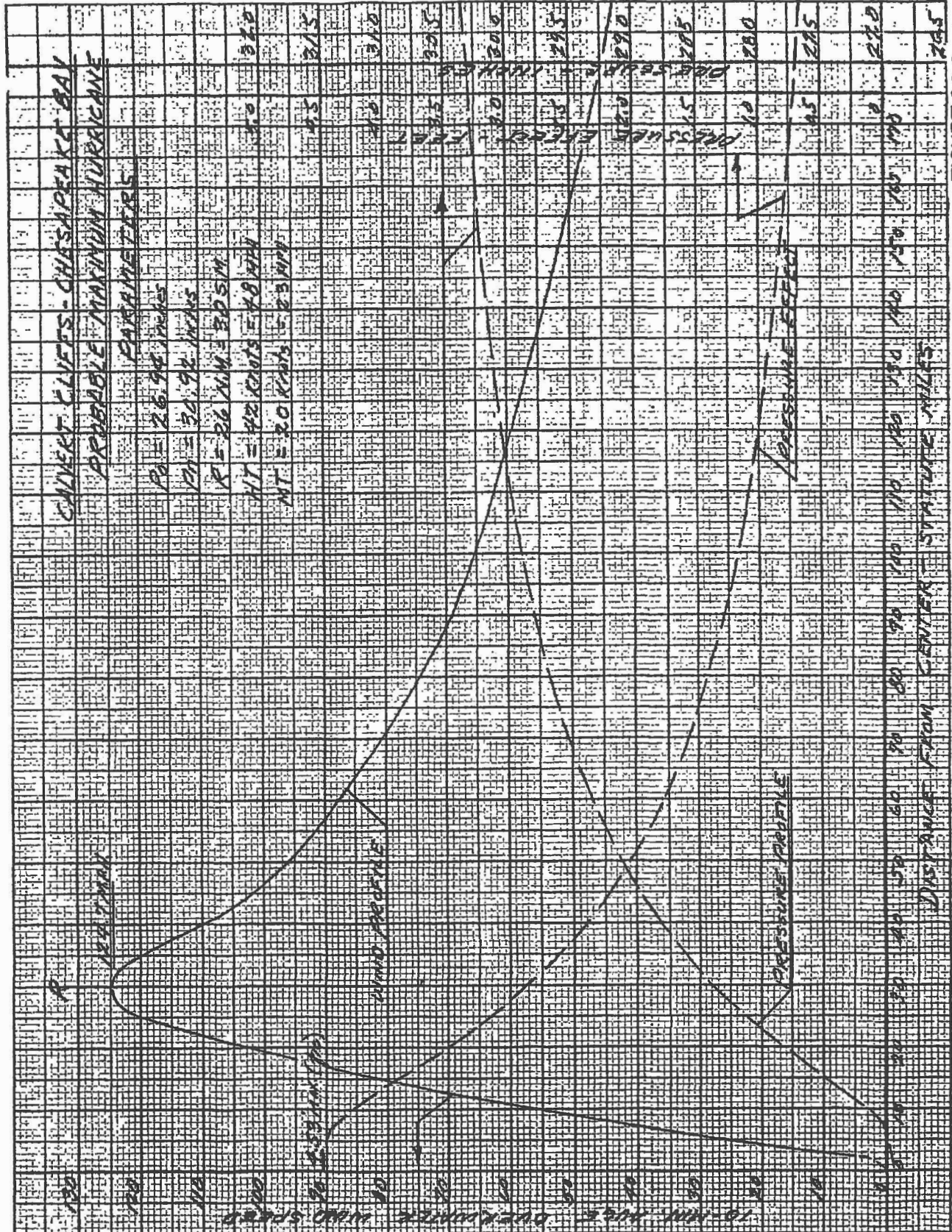
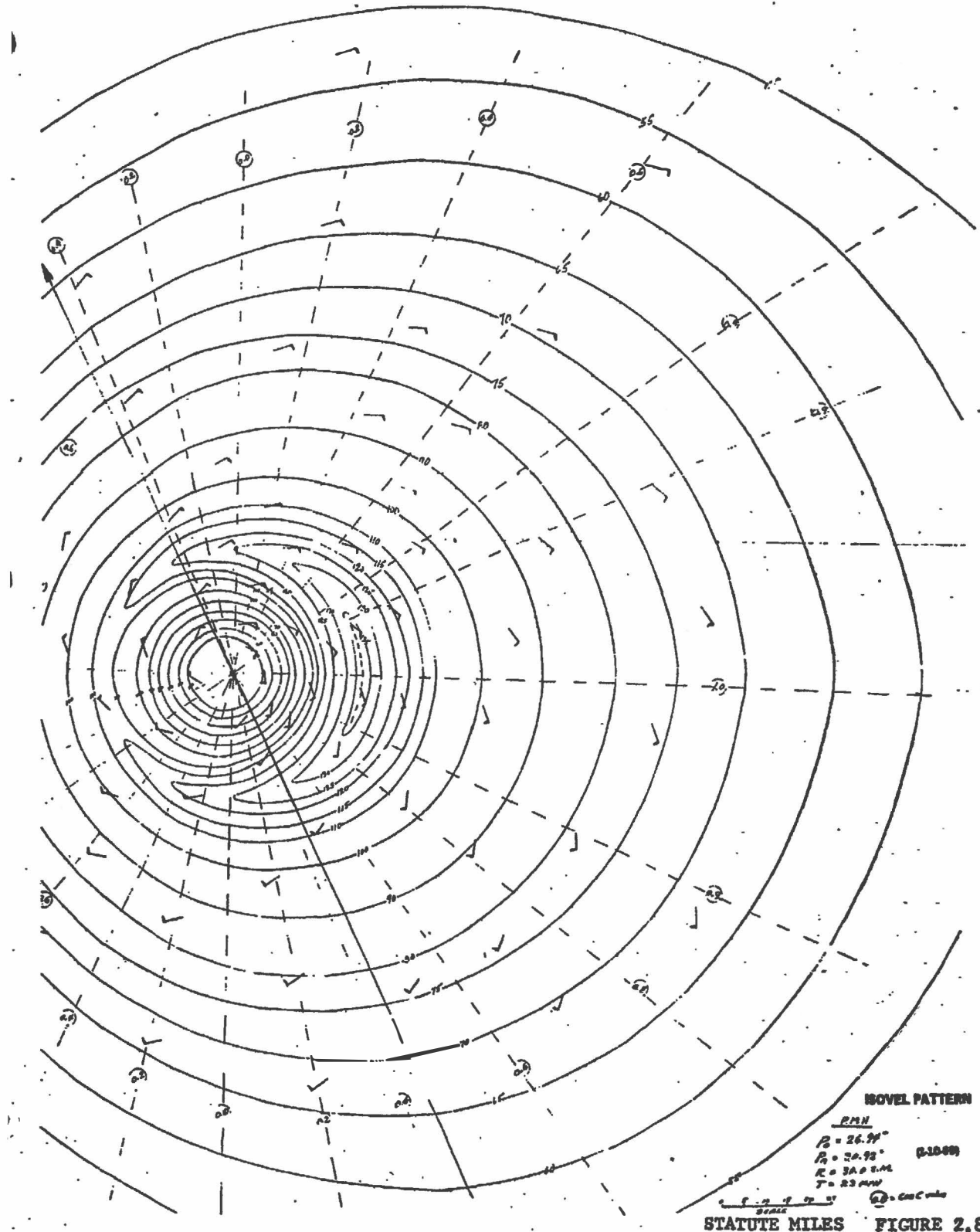


FIGURE 2.8-3 11-10-88

2.8-4 ISOVEL PATTERN



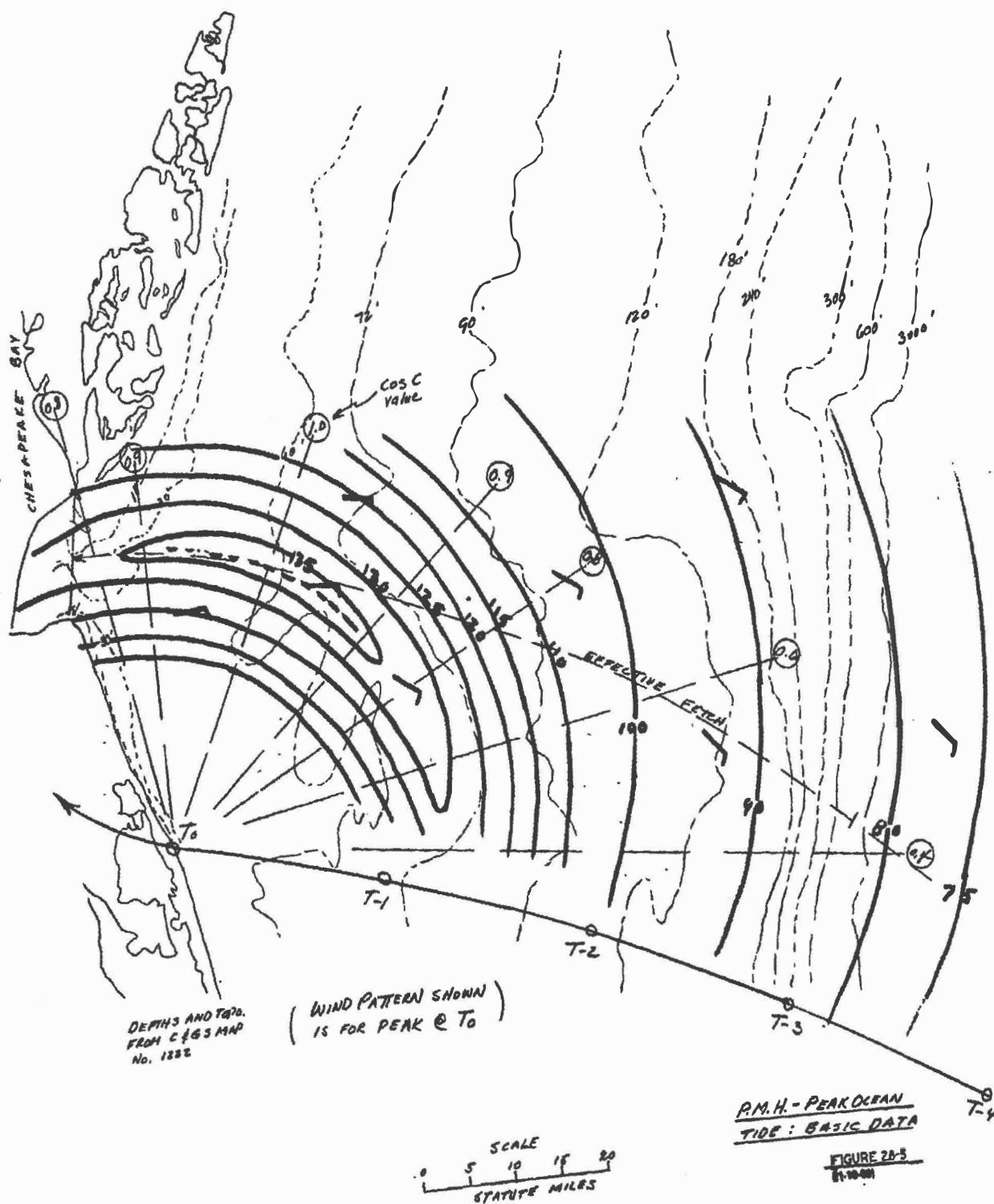
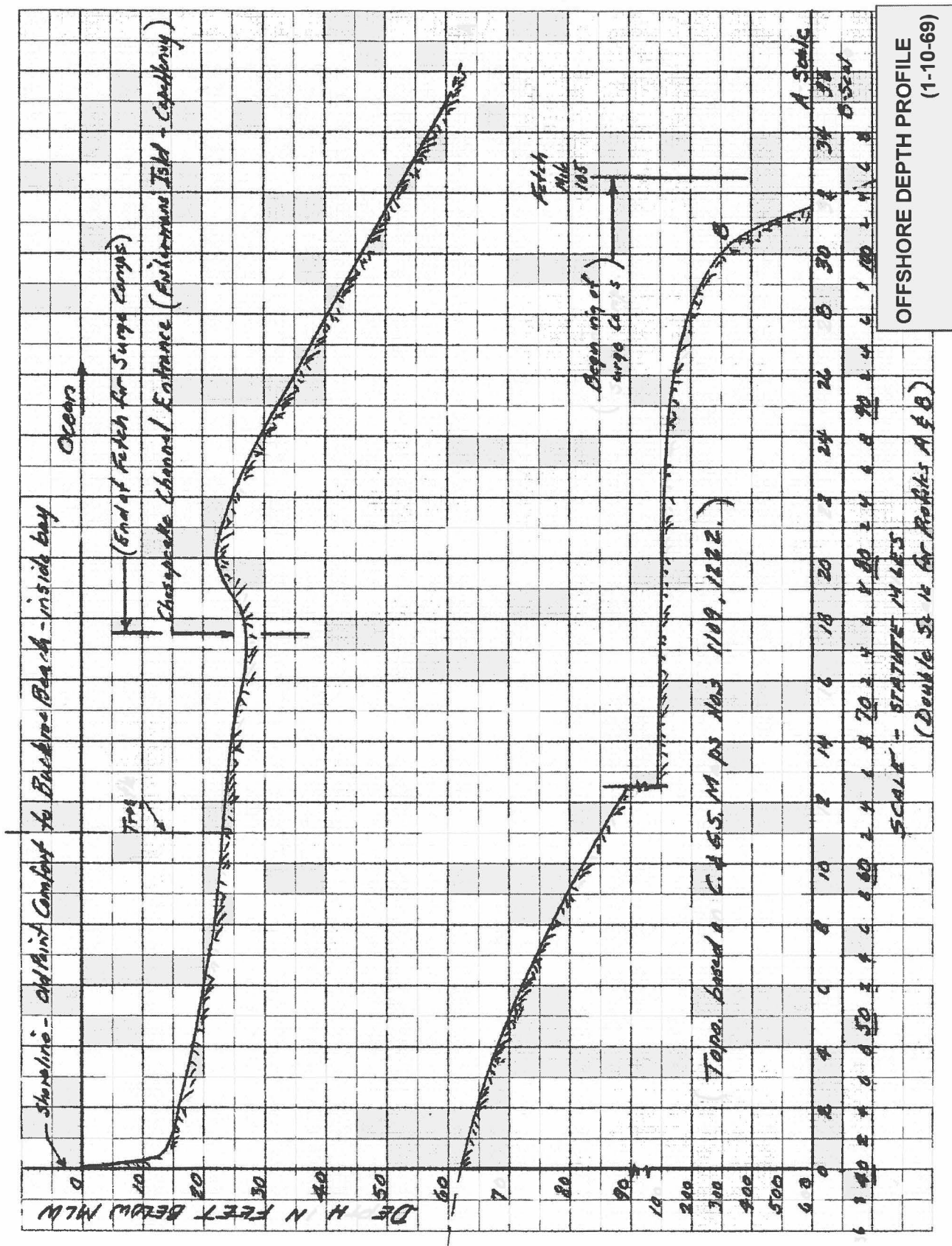
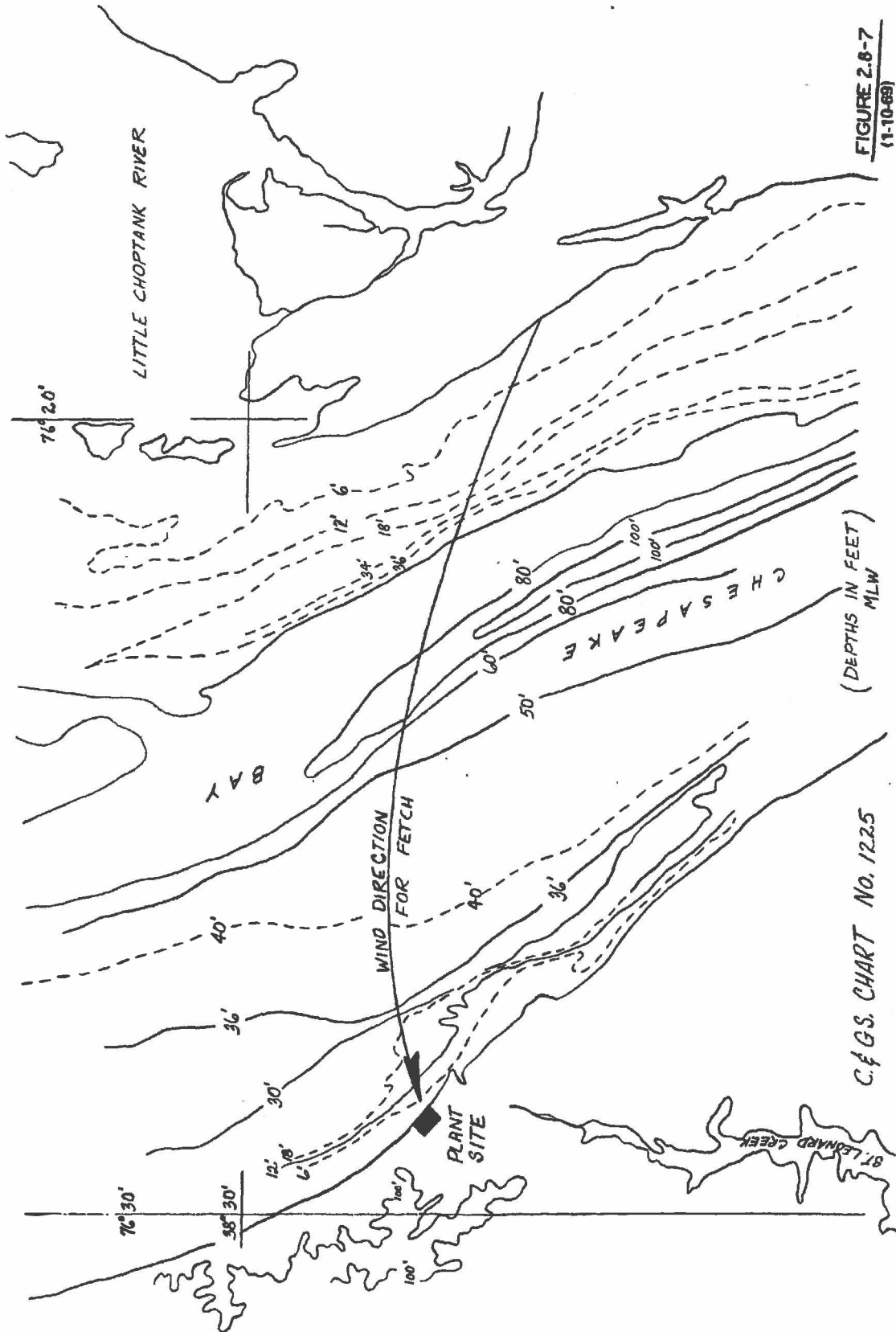


FIGURE 2.8-6
OFFSHORE DEPTH PROFILE

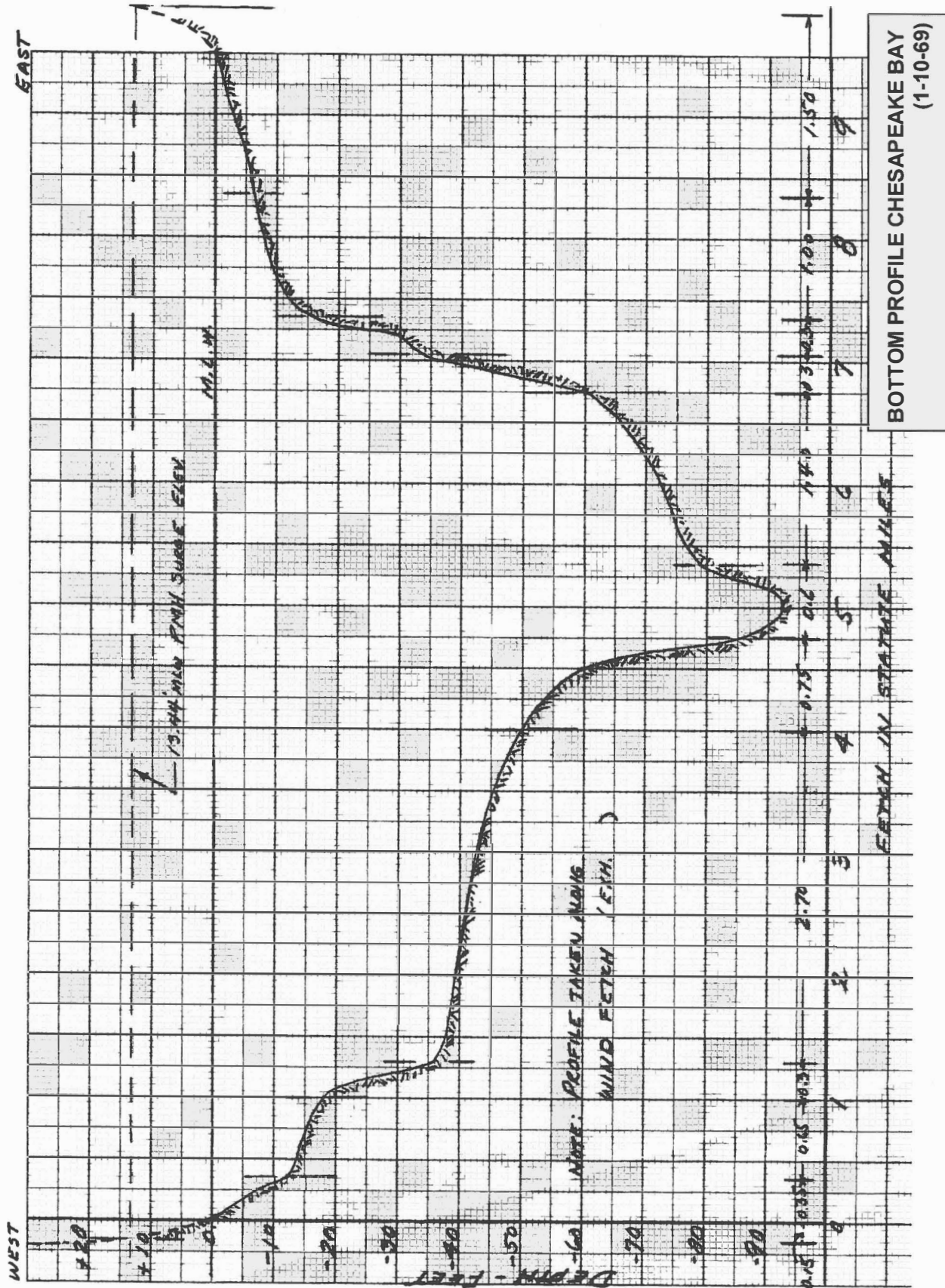


OFFSHORE DEPTH PROFILE
(1-10-69)



WIND DIRECTION FOR
FETCH

FIGURE 2.8-8
BOTTOM PROFILE CHESAPEAKE BAY



BOTTOM PROFILE CHESAPEAKE BAY
(1-10-69)

Figure 1 is a line graph showing the water surface elevation (ft.) versus time scale (seconds) for six different cases. The y-axis is labeled "WATER SURFACE ELEVATION (FT.)" and ranges from 0 to 30. The x-axis is labeled "TIME SCALE (SECONDS)" and ranges from 0 to 560. The graph is divided into six vertical panels, each representing a different case. The panels are labeled "CASE 1", "CASE 2", "CASE 3", "CASE 4", "CASE 5", and "CASE 6". The labels "IN" and "OUT" are placed below the case labels. The graph shows the water surface elevation over time for each case. CASE 1 and CASE 2 show a sharp initial rise followed by oscillations. CASE 3 through CASE 6 show a more gradual rise followed by oscillations. A label "BAFFLE WALL" is present on the left side of the graph.