

GAHAGAN & BRYANT ASSOCIATES

LOG OF BORING

PROJECT: JUPITER ISLAND

BORING LOCATION: X= 795,500

Y= 1,032,500

BORING NO.: 20

DATE: May 18, 1989

DRILLING CO.: Exmar

ELEVATION TOP OF HOLE: 38.3

DRILLING RIG: Ocean Explorer

DATUM: MLW

DRILL DESIGNATION: Vibracore

TOTAL DEPTH OF HOLE: 11.0

CORE DIAMETER: 3"

LENGTH RECOVERED: 9.2

INSPECTOR: C. Bryant

ELEVATION	DEPTH IN FEET	LEGEND	MATERIAL DESCRIPTION	SAMPLE NUMBER	REMARKS
38.3	0				
	1	..	SAND, tan-gray, medium to coarse, shell sand with quartz. (SP)	20A	80% crushed shell.
41.4	3	..			
	4	..	SAND, tan, medium to coarse, shell. (SP)	20B	95% crushed shell.
43.5	5	..			
	6	..	SAND, gray, fine to coarse, shell sand. (SP)	20C	70% crushed shell.
47.5	9	..			
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				

GAHAGAN AND BRYANT ASSOCIATES, INC

SIEVE ANALYSIS DATA

SAMPLE: 20A

PROJECT: JUPITER ISLAND

DATE: MAY 1989

BORING NO. : 20

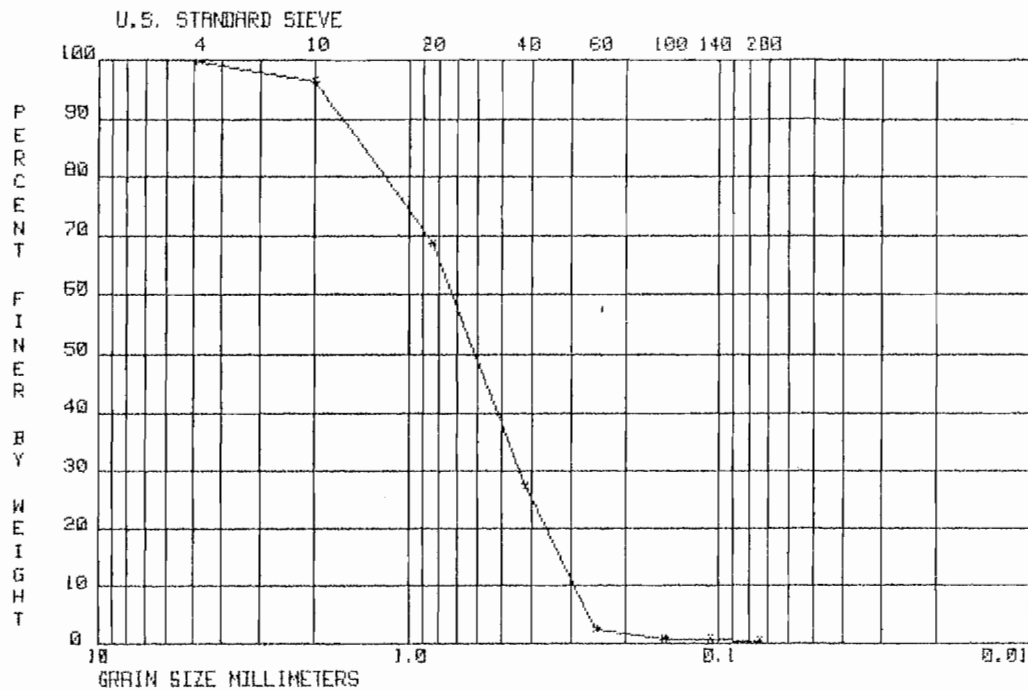
ANALYST: HAMBY

DEPTH (FT.): 0.0-3.1

ESTIMATED PERCENT OF SHELL: 80%

WEIGHT (grams) OF WHOLE SAMPLE (DRY): 200.20

SIEVE NO.	WEIGHT RETAINED	WEIGHT PERCENT	CUMULATIVE % RETAINED	PERCENT PASSING	DESCRIPTION OF MATERIAL RETAINED
4	.60	.30	.30	99.70	SHELL, GRAY
10	6.70	3.35	3.65	96.35	SHELL, GRAY/TAN
20	55.50	27.72	31.37	68.63	SHELL, GRAY/TAN
40	82.30	41.11	72.48	27.52	SHELL/SAND, TAN/GRAY
60	50.20	25.07	97.55	2.45	SHELL/SAND, GRAY
100	3.40	1.70	99.25	.75	SAND, GRAY
140	.20	.10	99.35	.65	SAND, GRAY
200	.80	.40	99.75	.25	SAND, GRAY
PAN	.30	.15	99.90		SILT, GRAY



GAHAGAN AND BRYANT ASSOCIATES, INC

SIEVE ANALYSIS DATA

SAMPLE: 20B

PROJECT: JUPITER ISLAND

DATE: MAY 1989

BORING NO. : 20

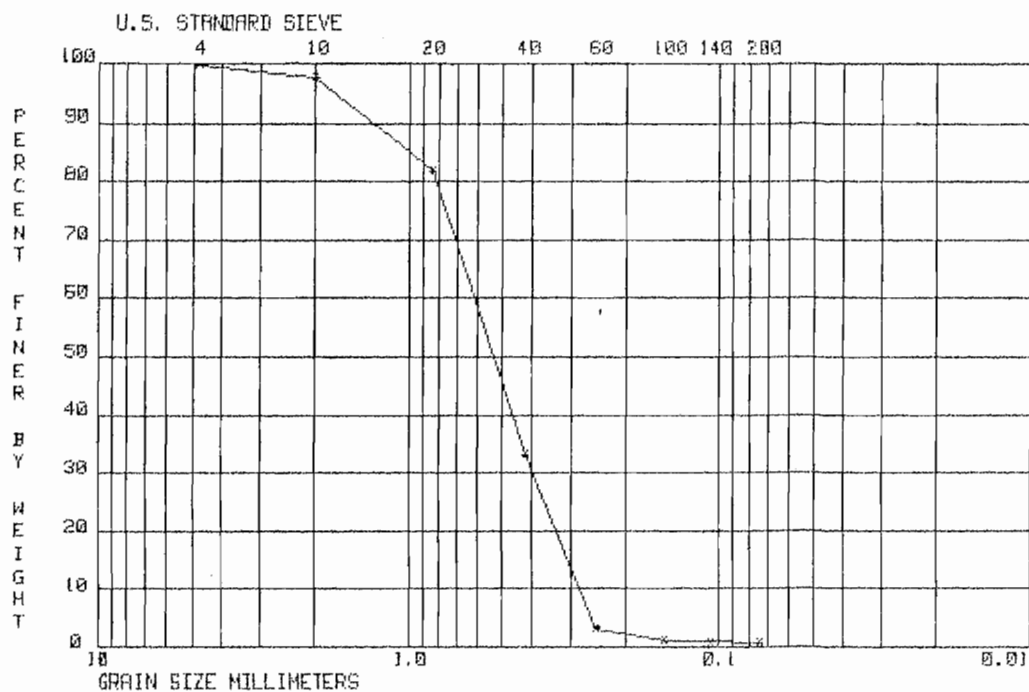
ANALYST: HAMBY

DEPTH (FT.): 3.1-5.2

ESTIMATED PERCENT OF SHELL: 95%

WEIGHT (grams) OF WHOLE SAMPLE (DRY): 200.30

SIEVE NO.	WEIGHT RETAINED	WEIGHT PERCENT	CUMULATIVE % RETAINED	PERCENT PASSING	DESCRIPTION OF MATERIAL RETAINED
4	.40	.20	.20	99.80	SHELL, TAN
10	4.20	2.10	2.30	97.70	SHELL, TAN
20	31.70	15.83	18.12	81.88	SHELL, TAN
40	97.70	48.78	66.90	33.10	SHELL, TAN
60	60.00	29.96	96.85	3.15	SHELL/SAND, TAN
100	4.20	2.10	98.95	1.05	SAND, TAN/GRAY
140	.40	.20	99.15	.85	SAND, GRAY
200	.40	.20	99.35	.65	SAND, GRAY
PAN	.70	.35	99.70		SILT, GRAY



GAHAGAN AND BRYANT ASSOCIATES, INC

SIEVE ANALYSIS DATA

SAMPLE: 20C

PROJECT: JUPITER ISLAND

DATE: MAY 1989

BORING NO. : 20

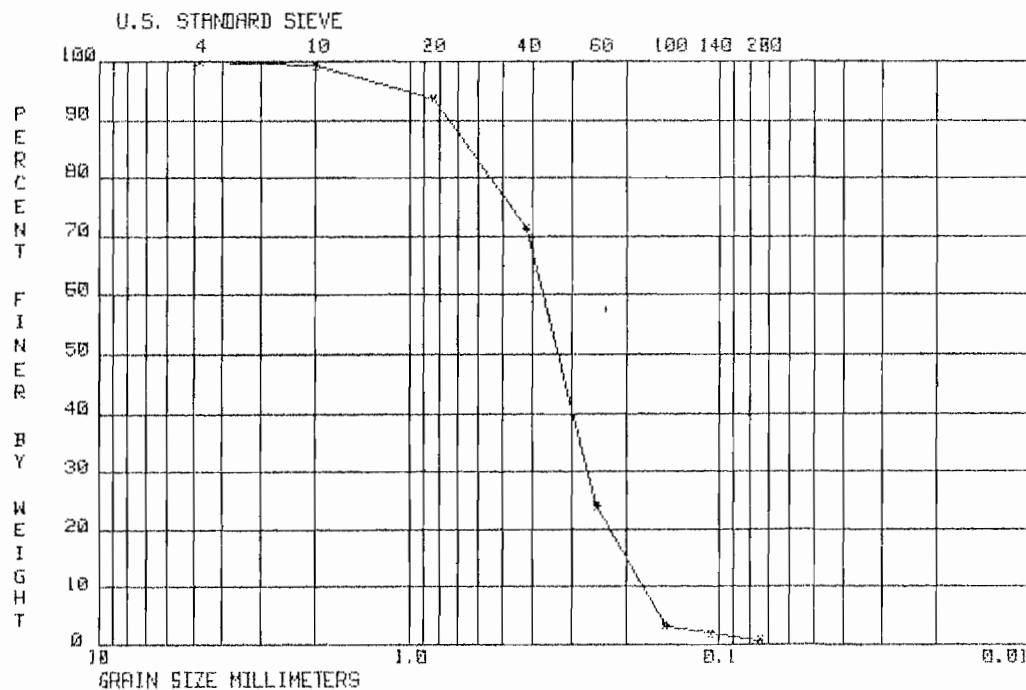
ANALYST: HAMBY

DEPTH (FT.): 5.2-9.2

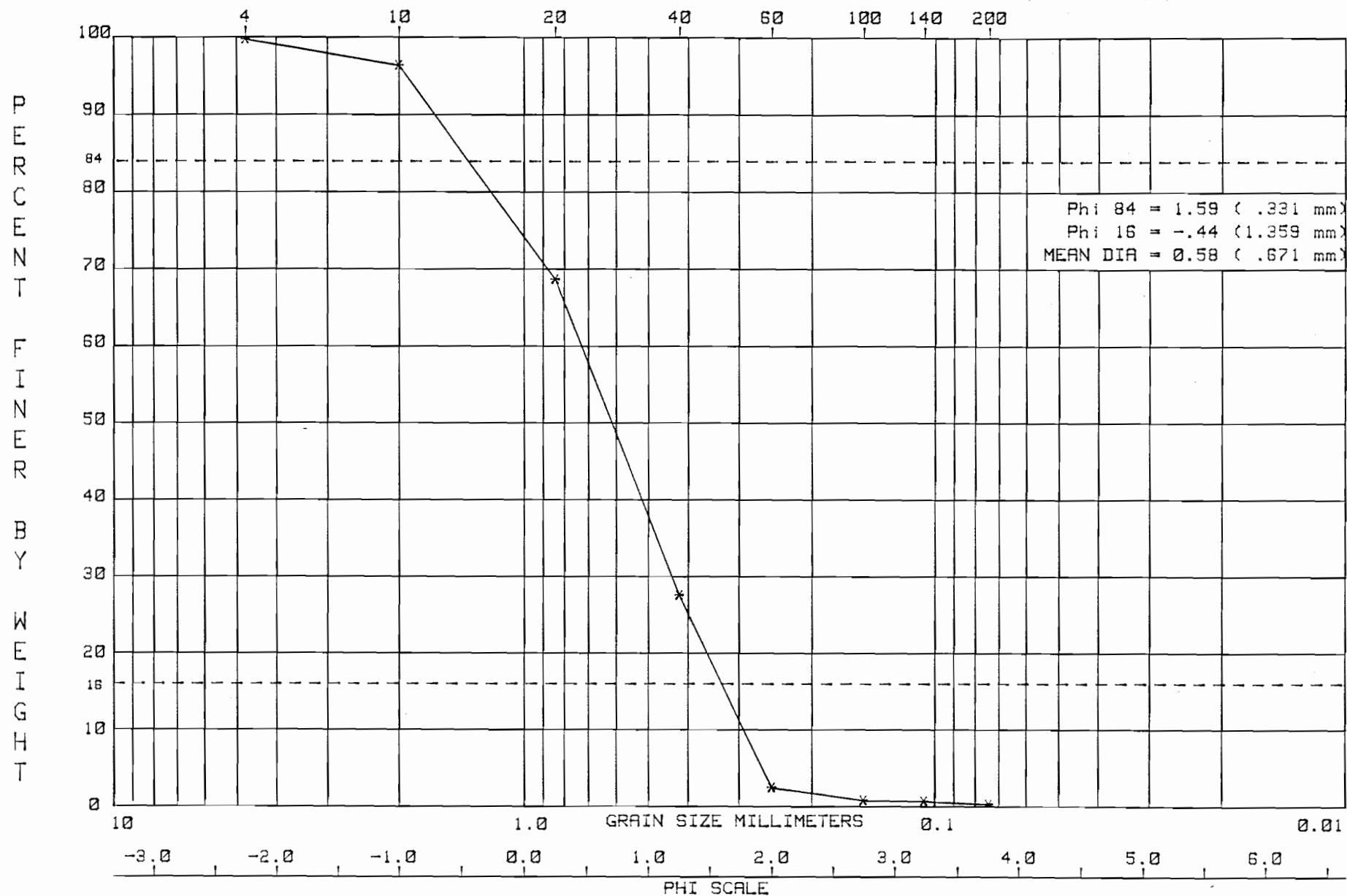
ESTIMATED PERCENT OF SHELL: 70%

WEIGHT (grams) OF WHOLE SAMPLE (DRY): 200.40

SIEVE NO.	WEIGHT RETAINED	WEIGHT PERCENT	CUMULATIVE % RETAINED	PERCENT PASSING	DESCRIPTION OF MATERIAL RETAINED
4	0.00	0.00	0.00	100.00	
10	1.40	.70	.70	99.30	SHELL, GRAY
20	11.10	5.54	6.24	93.76	SHELL, GRAY
40	44.90	22.41	28.64	71.36	SHELL, GRAY
60	95.10	47.46	76.10	23.90	SHELL/SAND, GRAY
100	41.60	20.76	96.86	3.14	SAND, GRAY
140	2.60	1.30	98.15	1.85	SAND, GRAY
200	2.30	1.15	99.30	.70	SAND, GRAY
PAN	1.20	.60	99.90		SILT

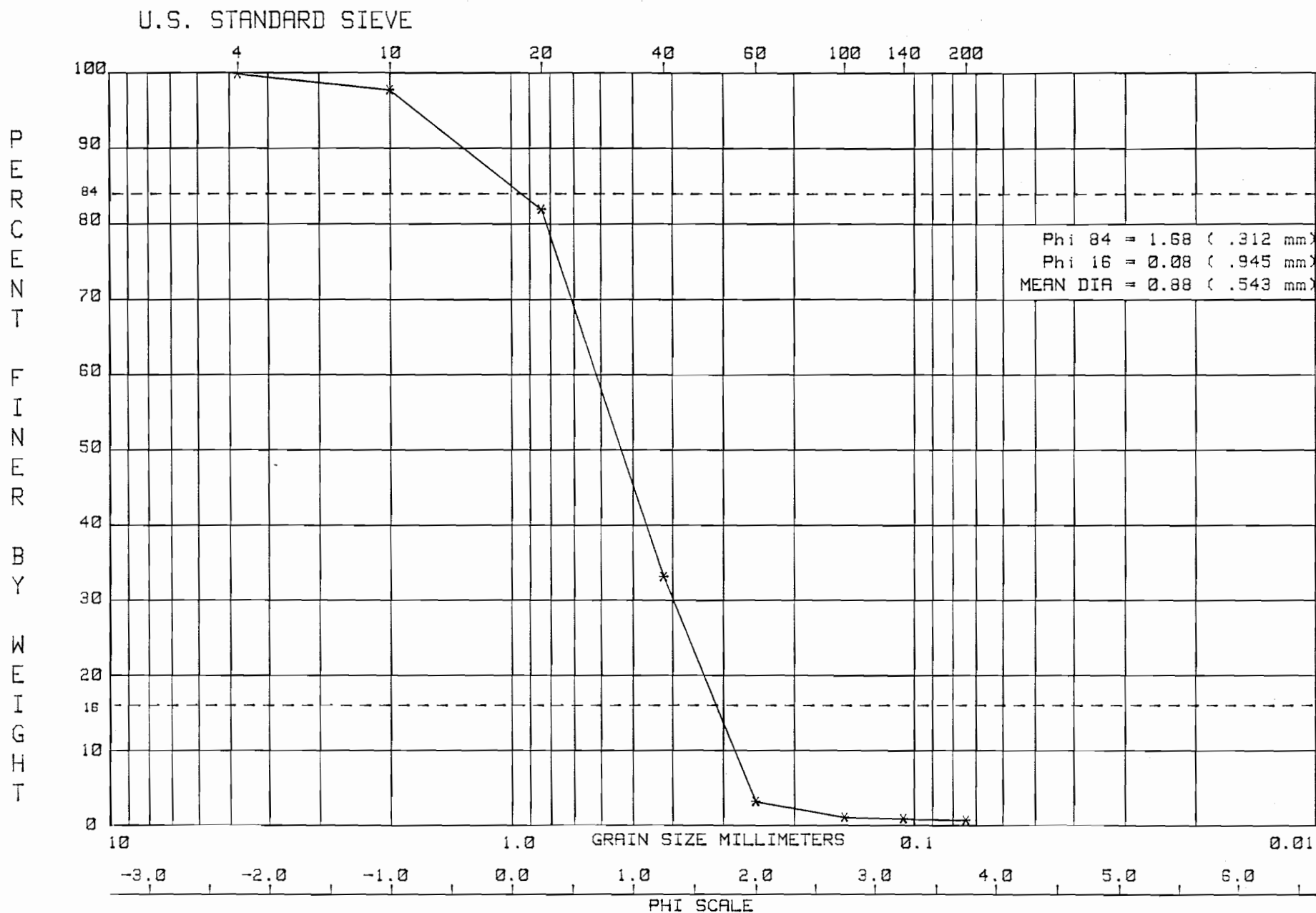


U.S. STANDARD SIEVE



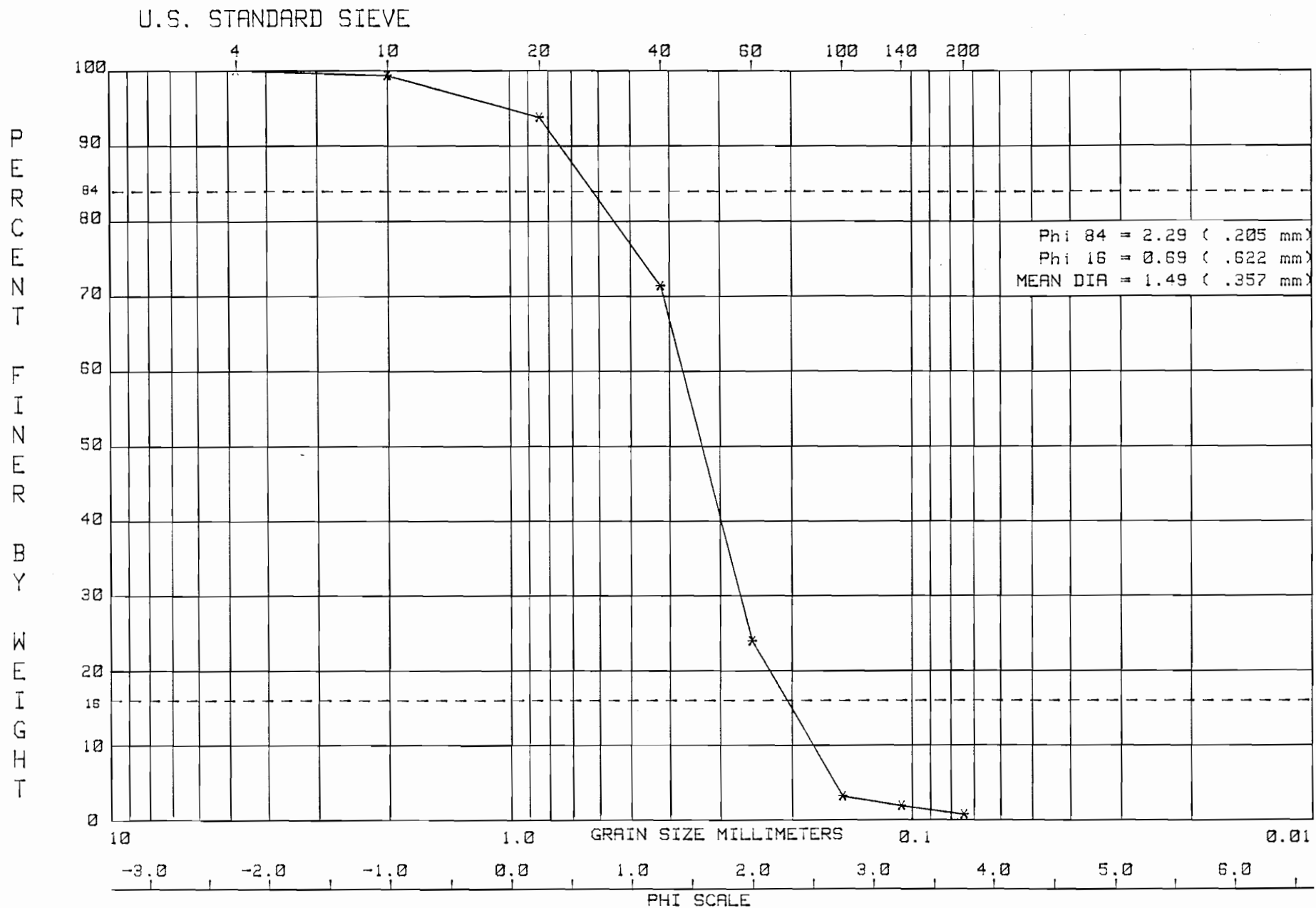
JUPITER ISLAND, MAY 89
 SAMPLE: 20A

BORING NO. : 20
 DEPTH (FT): 0.0-3.1



JUPITER ISLAND, MAY 89
SAMPLE: 20B

BORING NO. : 20
DEPTH (FT): 3.1-5.2



JUPITER ISLAND, MAY 89
SAMPLE: 20C

BORING NO. : 20
DEPTH (FT): 5.2-9.2