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SUMMARY OF LABORATORY TEST DATA

PROJECT: Brazos River Floodgates and Colorado River Locks

BORING NUMBER	DEPTH IN FEET	MOISTURE, %	DRY DENSITY, PCF	COMPRES-SION, TSF	STRAIN, %	TYPE FAILURE	LAT. PRESSURE	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	SIEVE (NO. 200)	CONSOLI-DATION	TORVANE
87-265													
1C	0'-2'	18.8											
2C	2'-4'	33.0	92.7	0.90	9.67	Bulge		53	23	30	81.8		
3J	4'-6'	4.4									29.2		
4J	9'-11'	6.5											
5C	14'-16'	64.8	62.7	0.24	6.33	Bulge 45° S		80	32	48	100.0		0.10
6C	16'-18'	70.9											0.20
7C	18'-20'	20.7											
8J	20'-22'	20.7									10.8		
9J	25'-27'	21.0									26.0		
10C	28'-30'			Sample is to be tested by Government									
11C	30'-32'	29.4	93.7					63	25	38	85.6		
12C	32'-34'	19.7											
13C	34'-36'			Sample is to be tested by Government									
14J	36'-38'	19.0									54.6		
15J	46'-48'	21.1									51.9		
16J	51'-53'	20.8									45.7		
17C	54'-56'			Sample is to be tested by Government									
18C	56'-58'			Sample is to be tested by Government									
19C	58'-60'			Sample is to be tested by Government									

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PROJECT Brazos River Floodgates and Colorado River Locks, Gulf Intracoastal Waterway

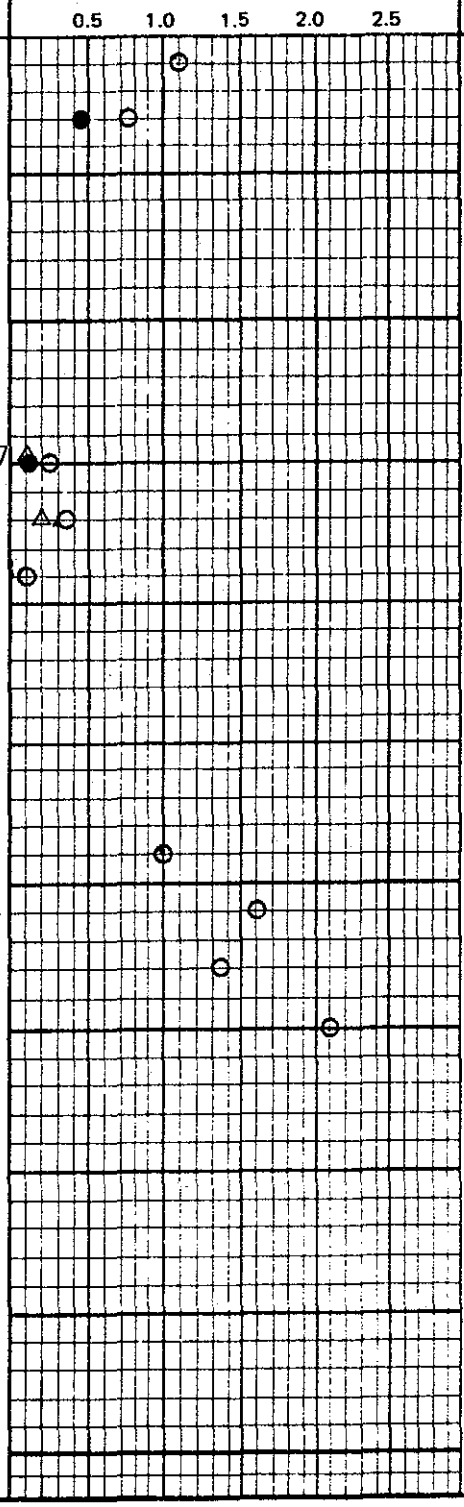
BORING 87-265

DATE 01-28-88 TYPE 6" Core - Mayhew 200 LOCATION See Plan

DEPTH IN FEET	SYMBOL	CORES	DESCRIPTION	BLOWS / FOOT	M.C., %	U.D.W., PCF	LIQUID LIMIT	PLASTIC LIMIT
0			Reddish Brown Clay - Stiff (CH)		19			
					33	93	53	23
5			Tan Silty Sand - Loose (SM)	4	4			
10			- w/Clay Pockets 9'-11'	3	7			
			Dark Gray Clay - Soft (CH)					
			- w/Organic Material 14'-16'		65	62.7	80	32
15			- w/Sand Pockets 16'-18'		71			
			Dark Gray Sand - Loose (SW)		21			
20			- w/Shell Fragments 18'-27'	2	21			
25			Clayey Sand (SC)	3	21			
			Gray & Tan Clay - Stiff to Very Stiff (CH)					
30			- w/Calcareous Nodules 30'-32'		29	94	63	25
			Tan & Gray Sandy Clay - Very Stiff. (CL)		20			
35			Tan Silt & Very Fine Sand - Medium Dense (ML)	19	19			
40			- w/Sandstone Fragments 41'-43'	50/3"				
45				13	21			
50								

SHEAR STRENGTH, TSF

O – POCKET PENETROMETER
X – LABORATORY CONFINED
● – LABORATORY UNCONFINED
△ – TORVANE



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PROJECT Brazos River Floodgates and Colorado River Locks, Gulf Intracoastal Waterway

BORING 87-265

DATE 01-28-88 TYPE 6" Core - Mayhew 200 LOCATION See Plan

DEPTH IN FEET	SYMBOL	CORES	DESCRIPTION	BLOWS / FOOT	M.C., %	U.D.W., PCF	SHEAR STRENGTH, TSF (O – POCKET PENETROMETER; X – LABORATORY CONFINED; ● – LABORATORY UNCONFINED; 0.5 1.0 1.5 2.0 2.5)	LIQUID LIMIT	PLASTIC LIMIT
50		X	Tan Clayey Sand - Medium Dense (SC)	10	21				
55			Reddish Brown Clay - Very Stiff (CH)						
60			Bottom @ 60'						

Weather: Sunny

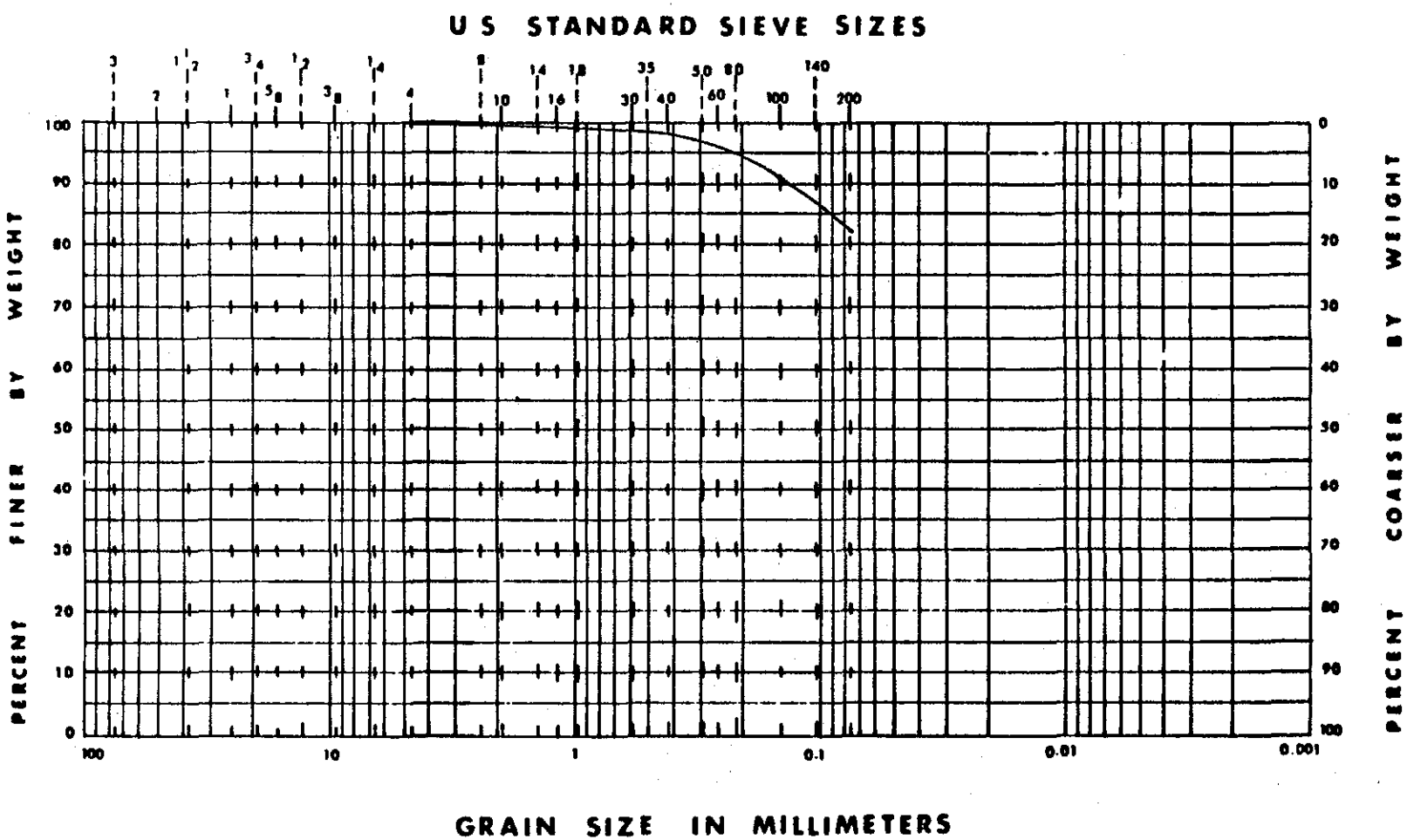
Water Table Measurements: 8' after 24 Hours

Driller: Dempsey Gearen

Logger: Dempsey Gearen

Brazos River Floodgates and Colorado River Locks

Boring No. 87-265 Sample 2C
Depth 2'-4'



GRAVEL		SAND			SILT OR CLAY
COARSE	FINE	COARSE	MEDIUM	FINE	

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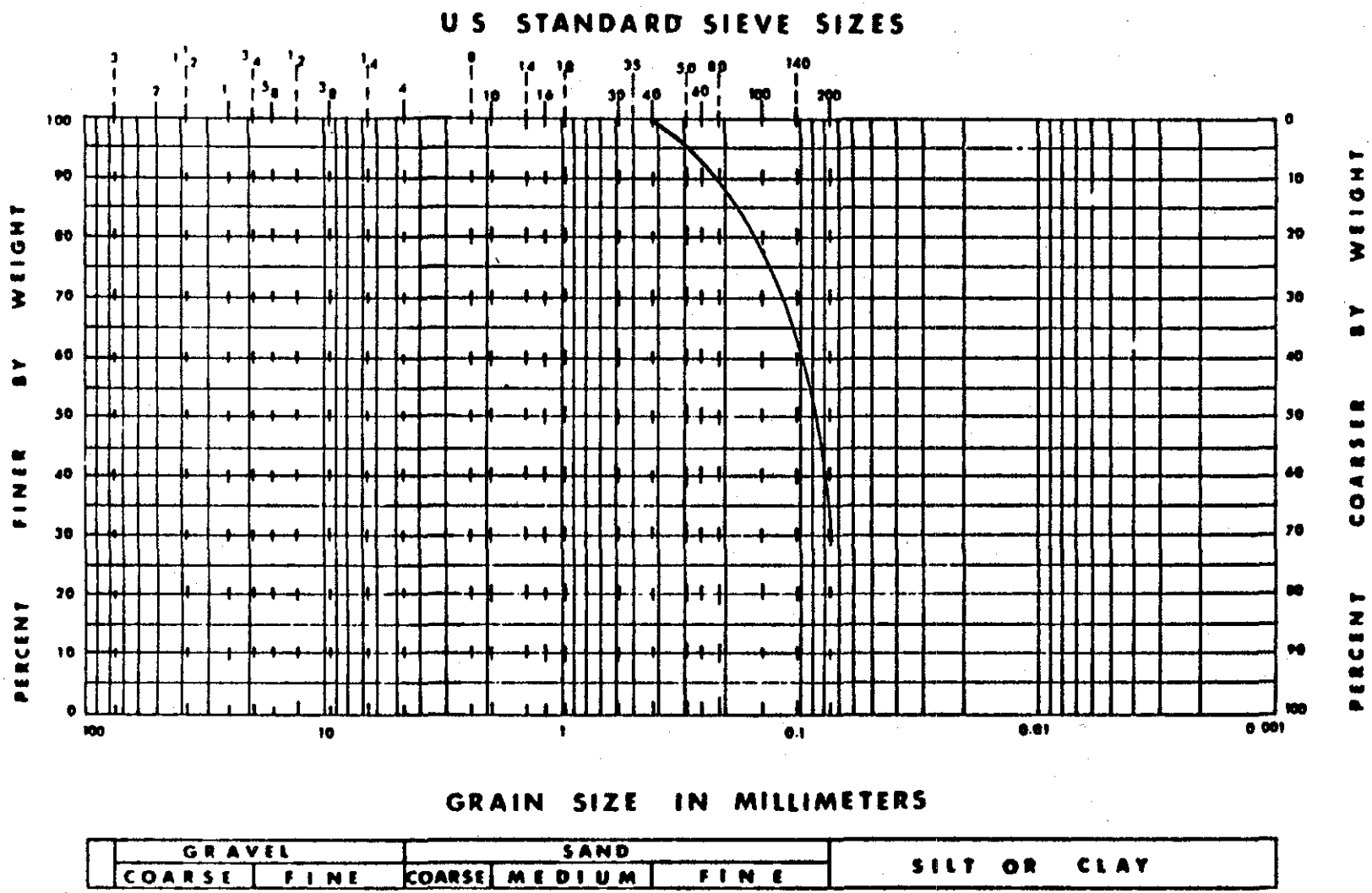
Brazos River Floodgates and Colorado River Locks

Boring No. 87-265 Sample 3J
Depth 4'-6'



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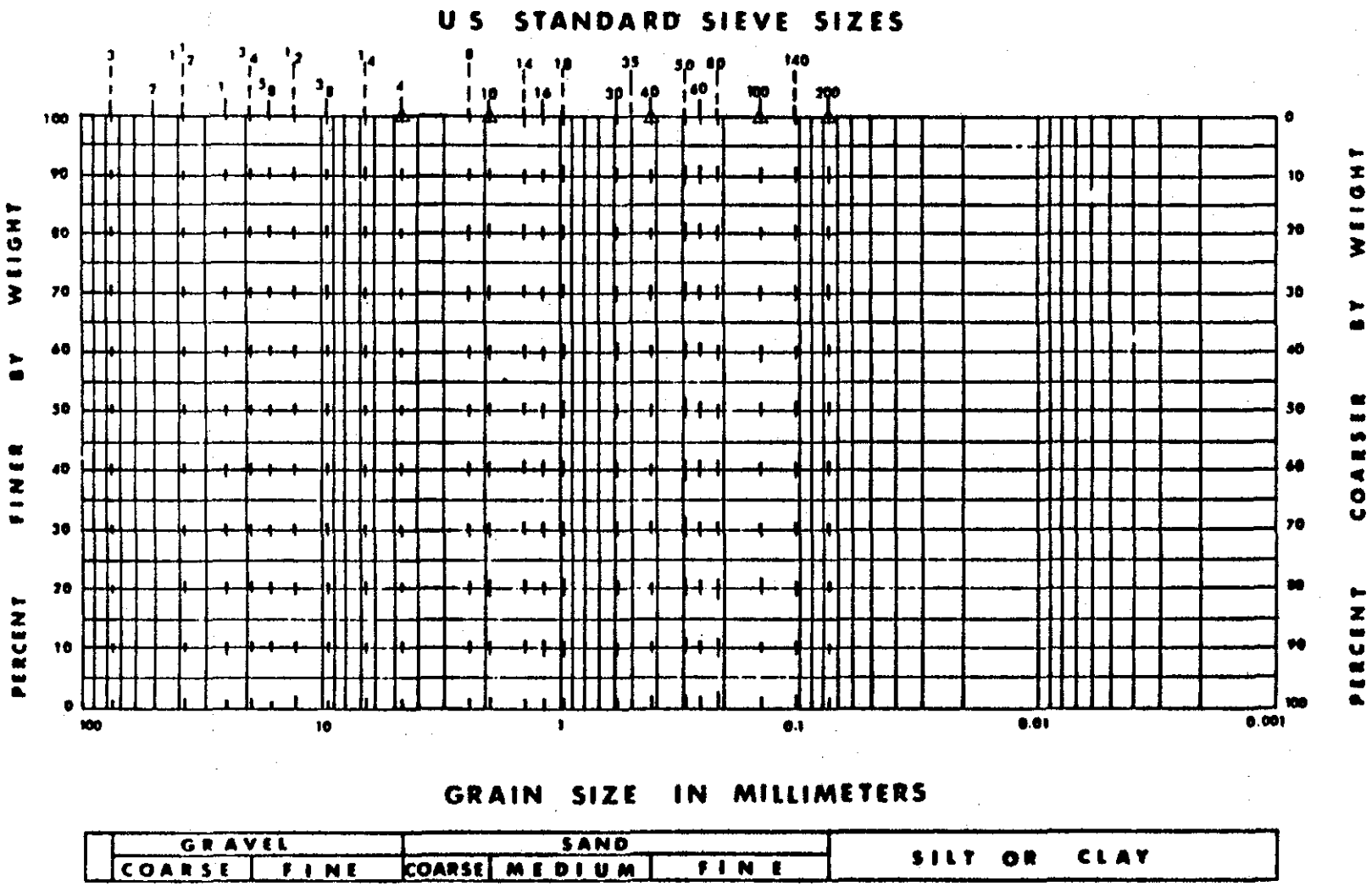
Brazos River Floodgates and Colorado River Locks

Boring No. 87-265 Sample 5C
Depth 14'-16'



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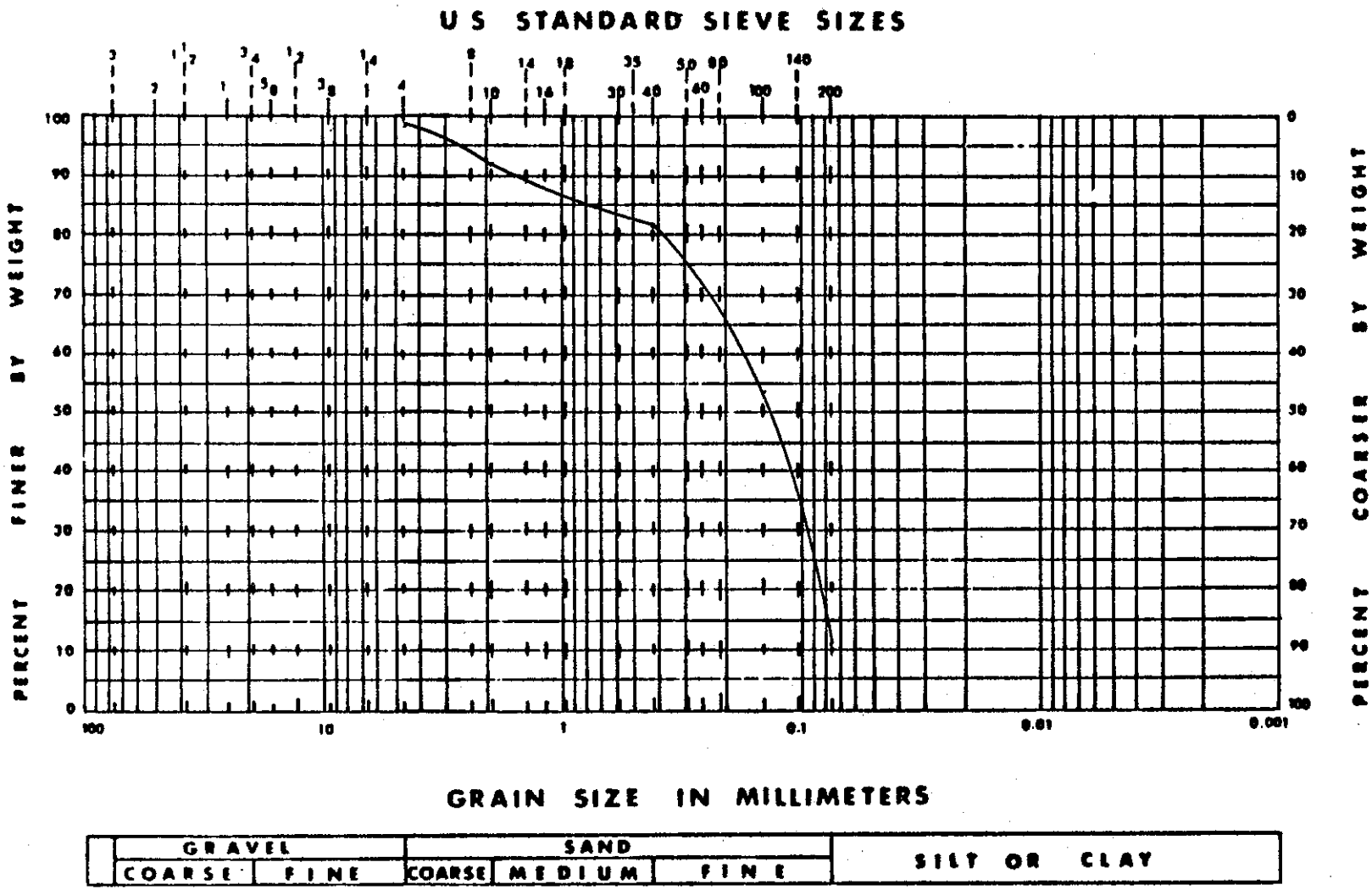
Brazos River Floodgates and Colorado River Locks

Boring No. 87-265 Sample 8J
Depth 20'-22'



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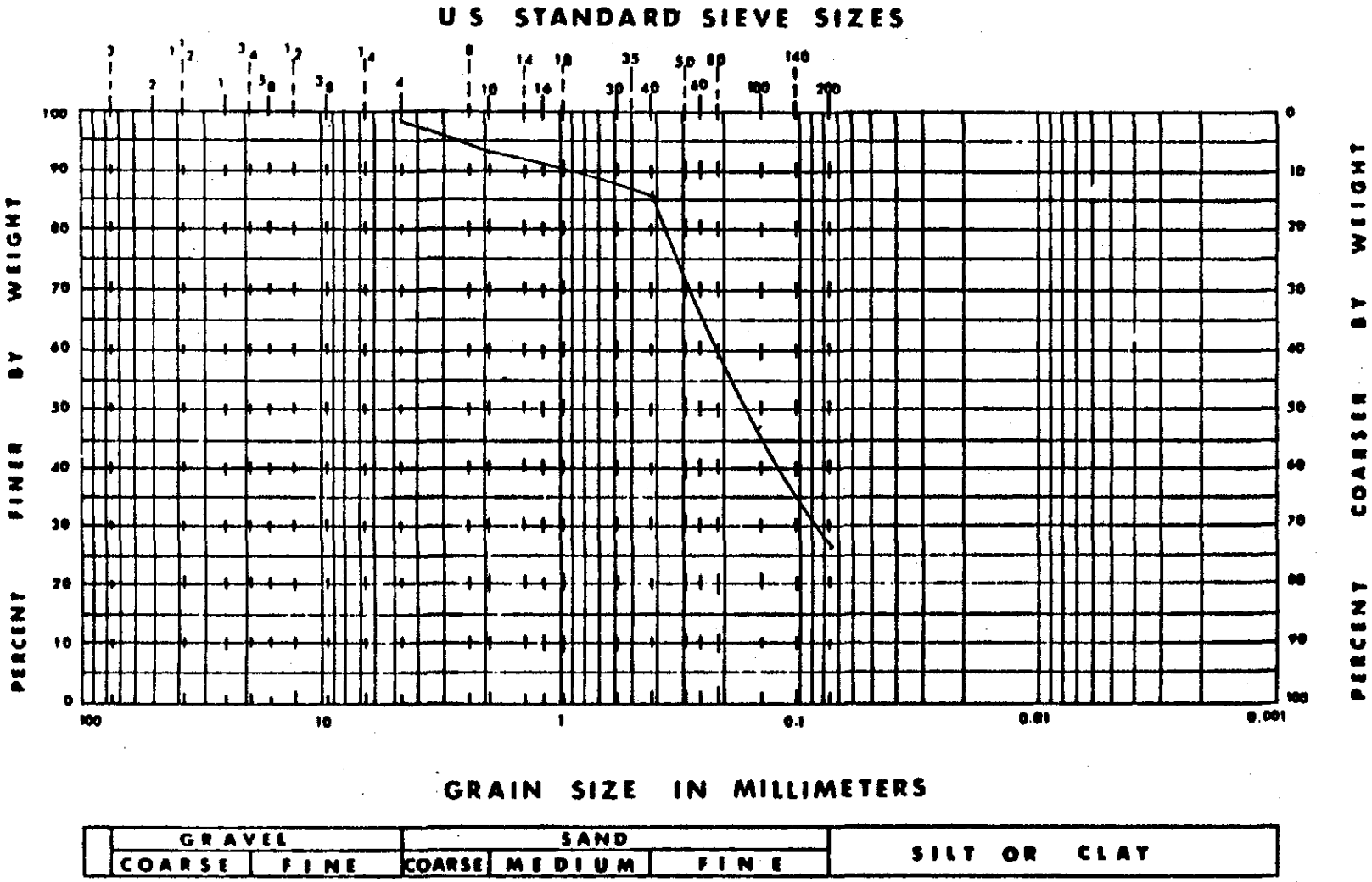
Brazos River Floodgates and Colorado River Locks

Boring No. 87-265 Sample 9J
Depth 25'-27'



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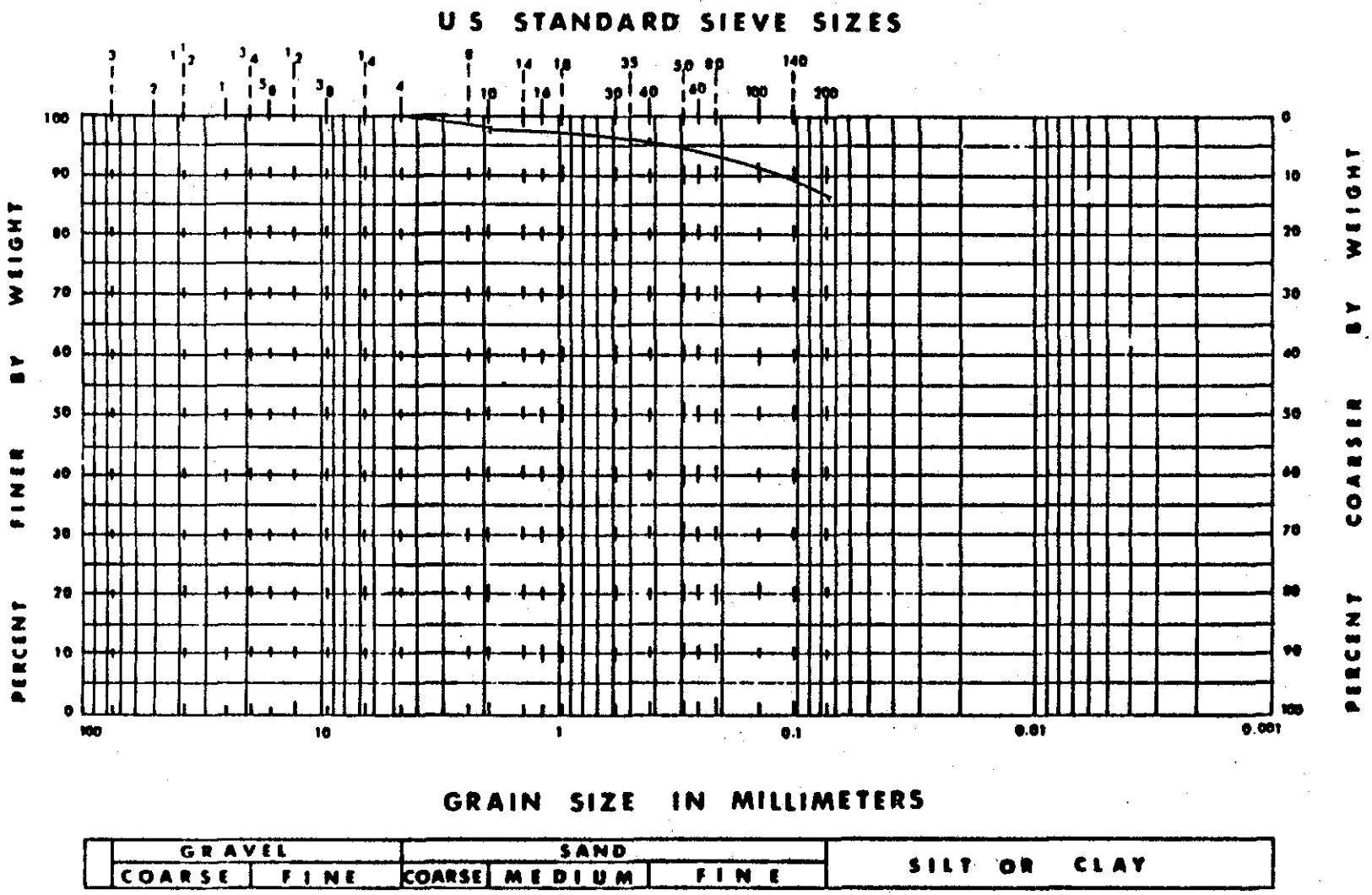
Brazos River Floodgates and Colorado River Locks

Boring No. 87-265 Sample 11C
Depth 30'-32'



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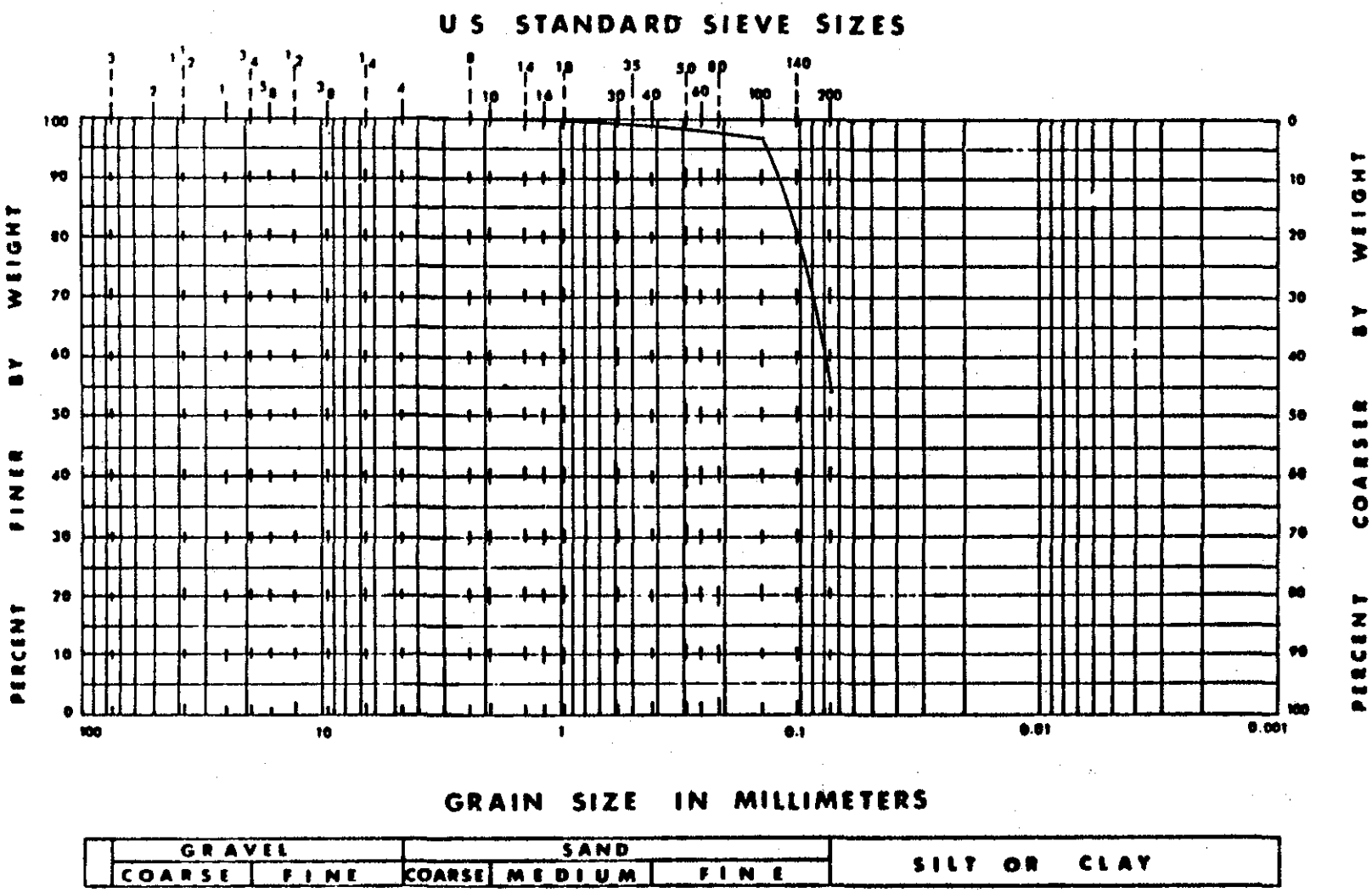
Brazos River Floodgates and Colorado River Locks

Boring No. 87-265 Sample 14J
Depth 36'-38'



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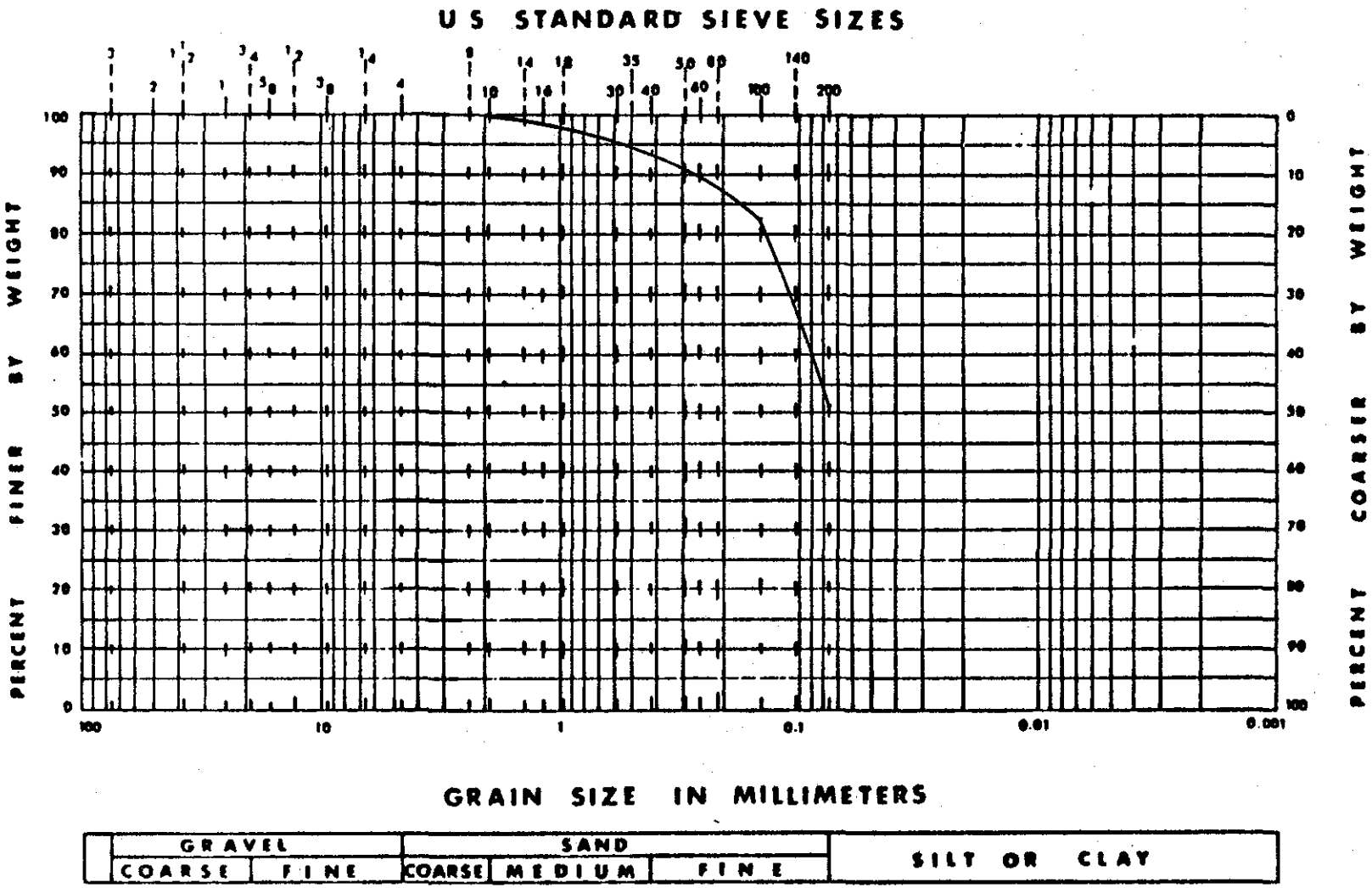
Brazos River Floodgates and Colorado River Locks

Boring No. 87-265 Sample 15J
Depth 46'-48'



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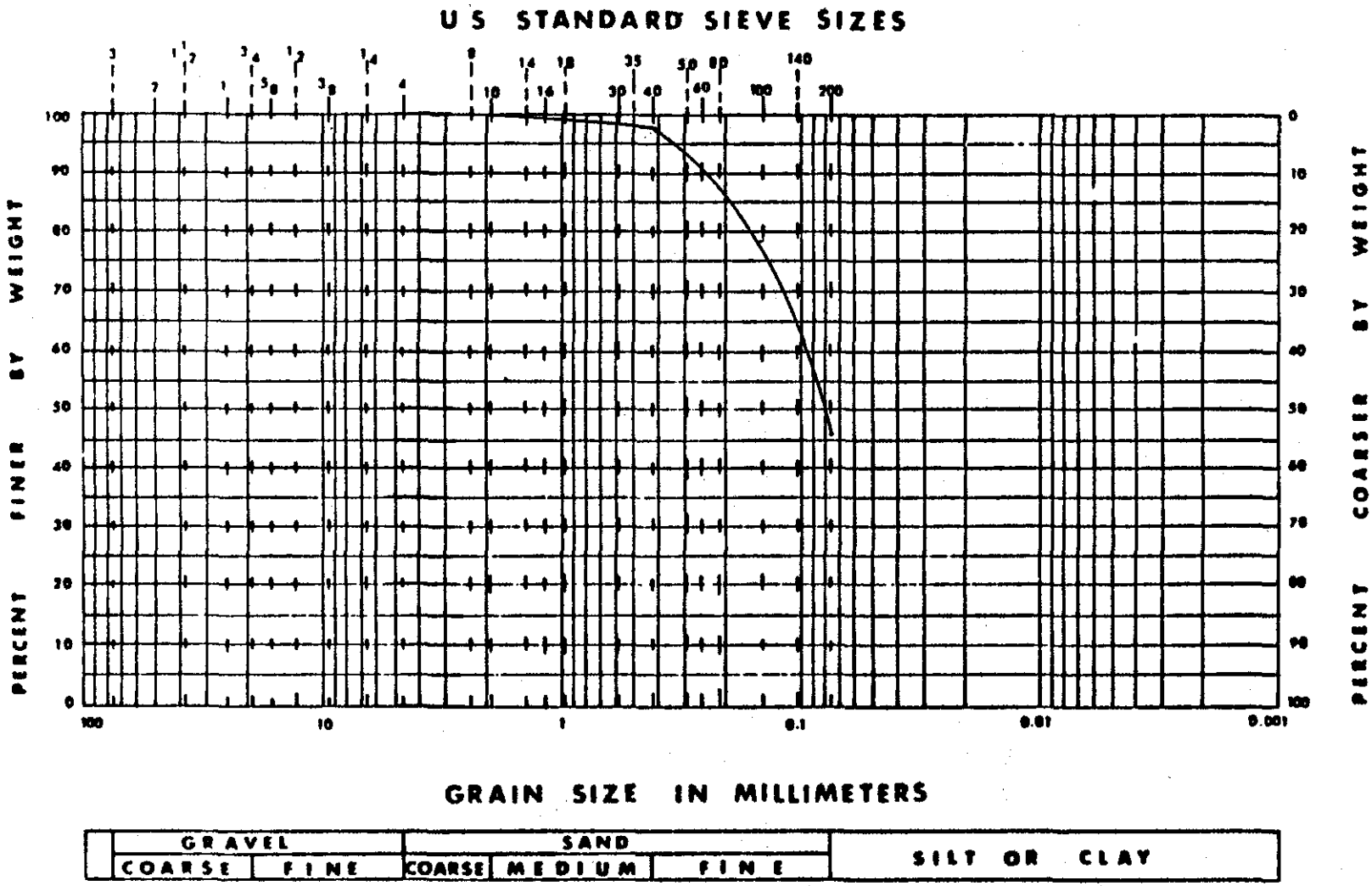
Brazos River Floodgates and Colorado River Locks

Boring No. 87-265 Sample 16J
Depth 51'-53'



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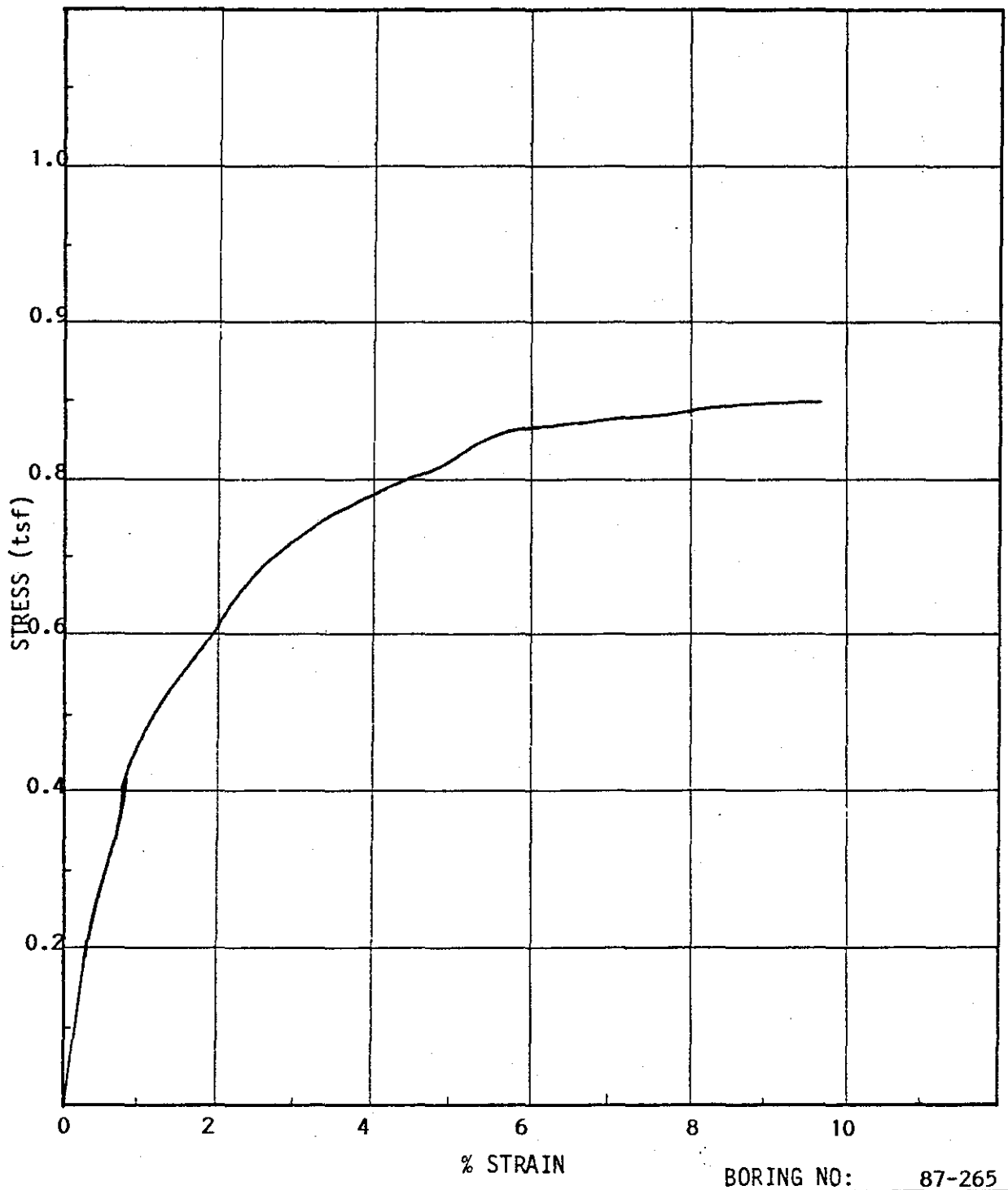
UNCONFINED COMPRESSION TEST



BORING NO: 87-265

SAMPLE DEPTH: 2'-4'

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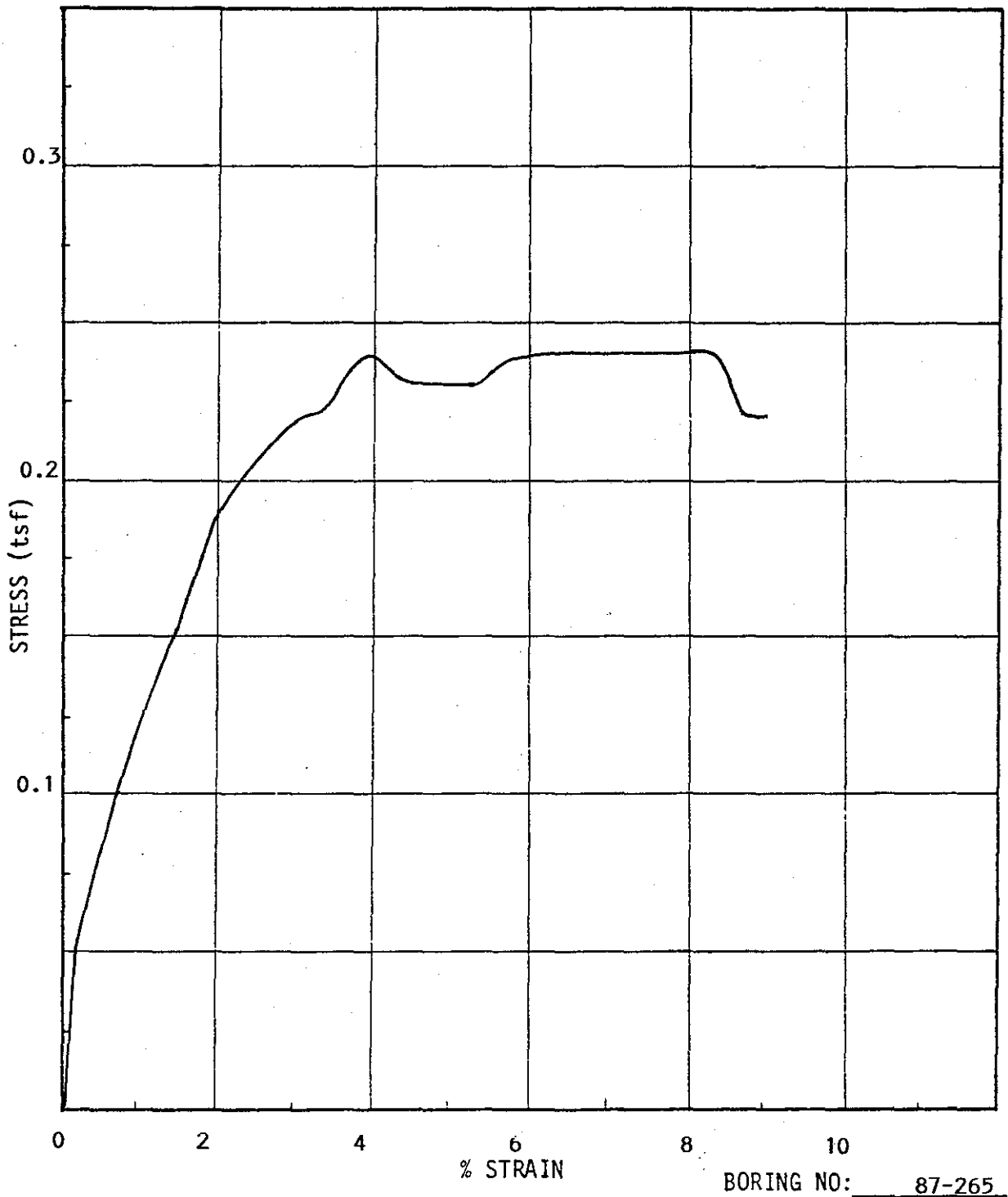
UNCONFINED COMPRESSION TEST



BORING NO: 87-265

SAMPLE DEPTH: 14'-16'