AVILES ENGINEERING CORP. GEOTECHNICAL ENGINEERS

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

BORING 87-219

DATE 01-21-88 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; △ – TORVANE; 0.5 1.0 1.5 2.0 2.5)	LIQUID LIMIT	PLASTIC LIMIT
0			Gray & Brown Clay (CH)		26				
			Tan Silty Sand - Loose (SM)	2	30				
5									
			Dark Gray Silty Clay - Soft to Firm (CL)		29	94		38	18
10									
15			Reddish Brown 14'-28'	2	21				
20					15				
					15				
25									
			Gray & Tan Clay - Stiff (CH)						
30			- w/Calcareous Nodules 30'-42' - Slickensided 30'-34'		31	88		79	28
					28				
35									
40			- w/Sand Pockets 40'-44'		19	114		50	20
45			- Sand Layers 44'-45'	34	25				
50				15	32			75	28

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50			Gray & Tan Clay (CH)		26				
					25				
55			- w/Calcareous Nodules 56'-58'		34	91		73	29
					33				
60			Bottom @ 60'						

Weather: Sunny

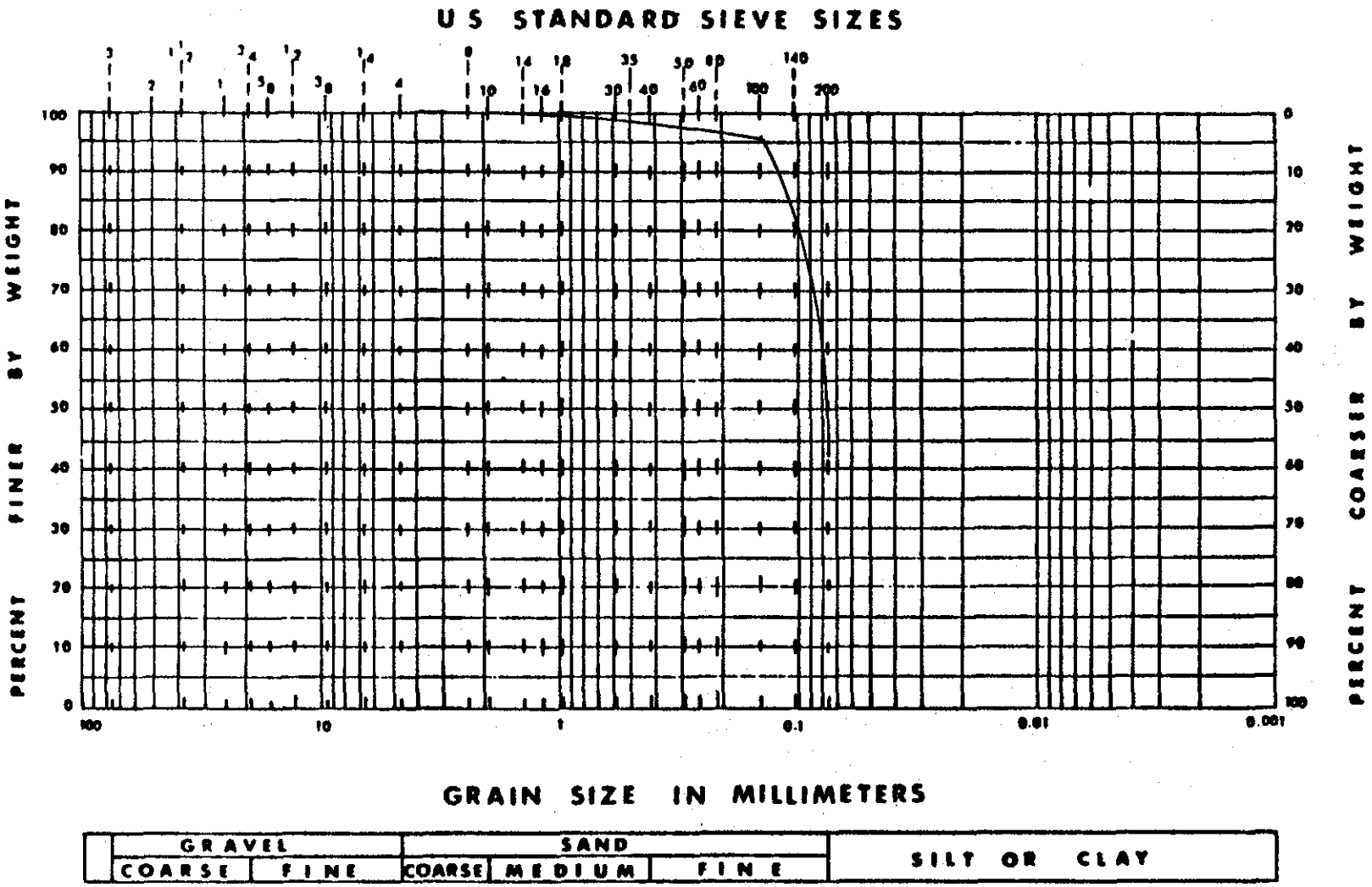
Water Table Measurements: 16' after 24 Hours

Driller: Fleet

Logger: Dempsey Gearen

Brazos River Floodgates and Colorado River Locks

Boring No. 87-219 Sample 2J
Depth 2'-4'



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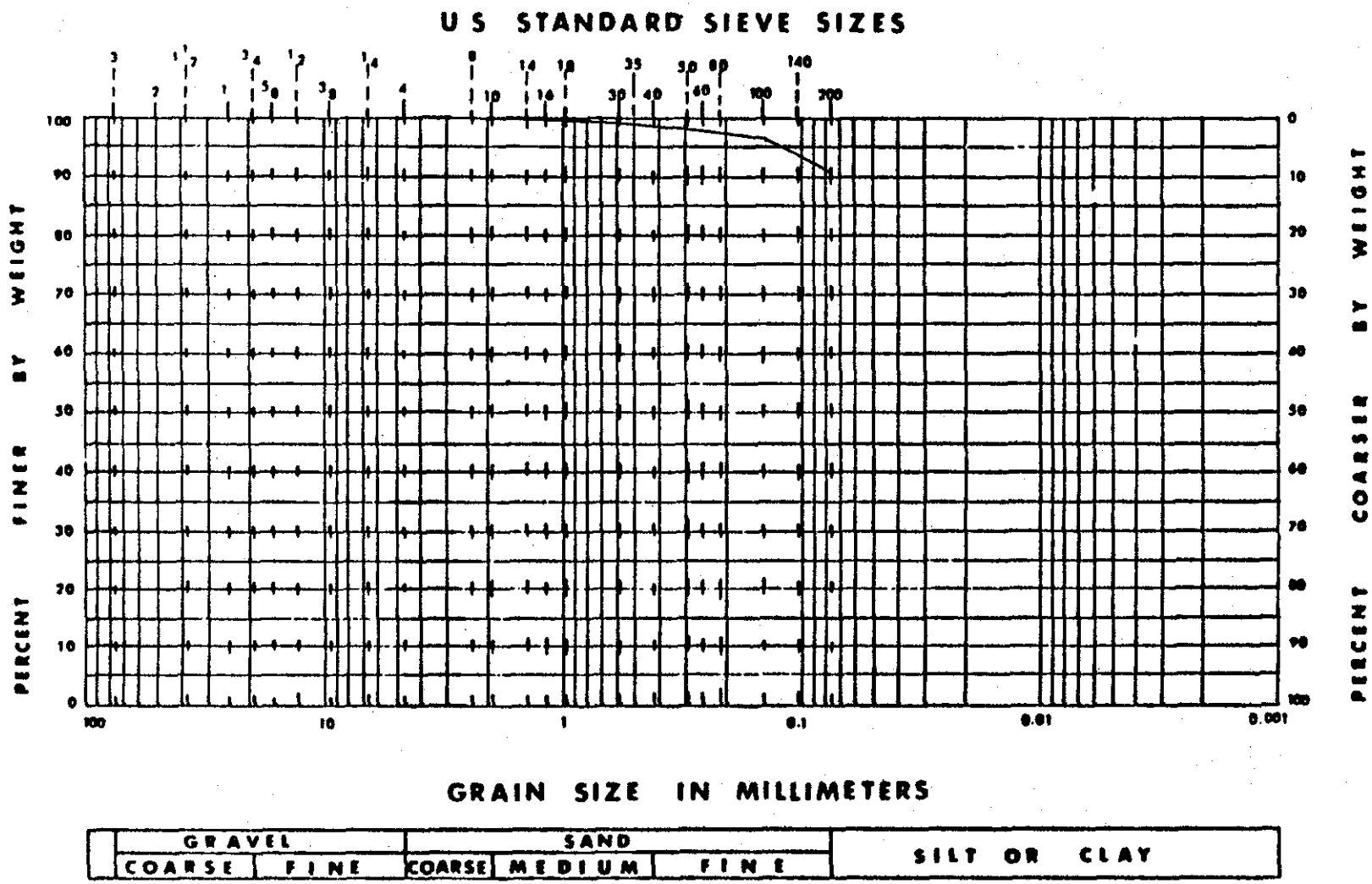
Brazos River Floodgates and Colorado River Locks

Boring No. 87-219 Sample 3C
Depth 8'-10'



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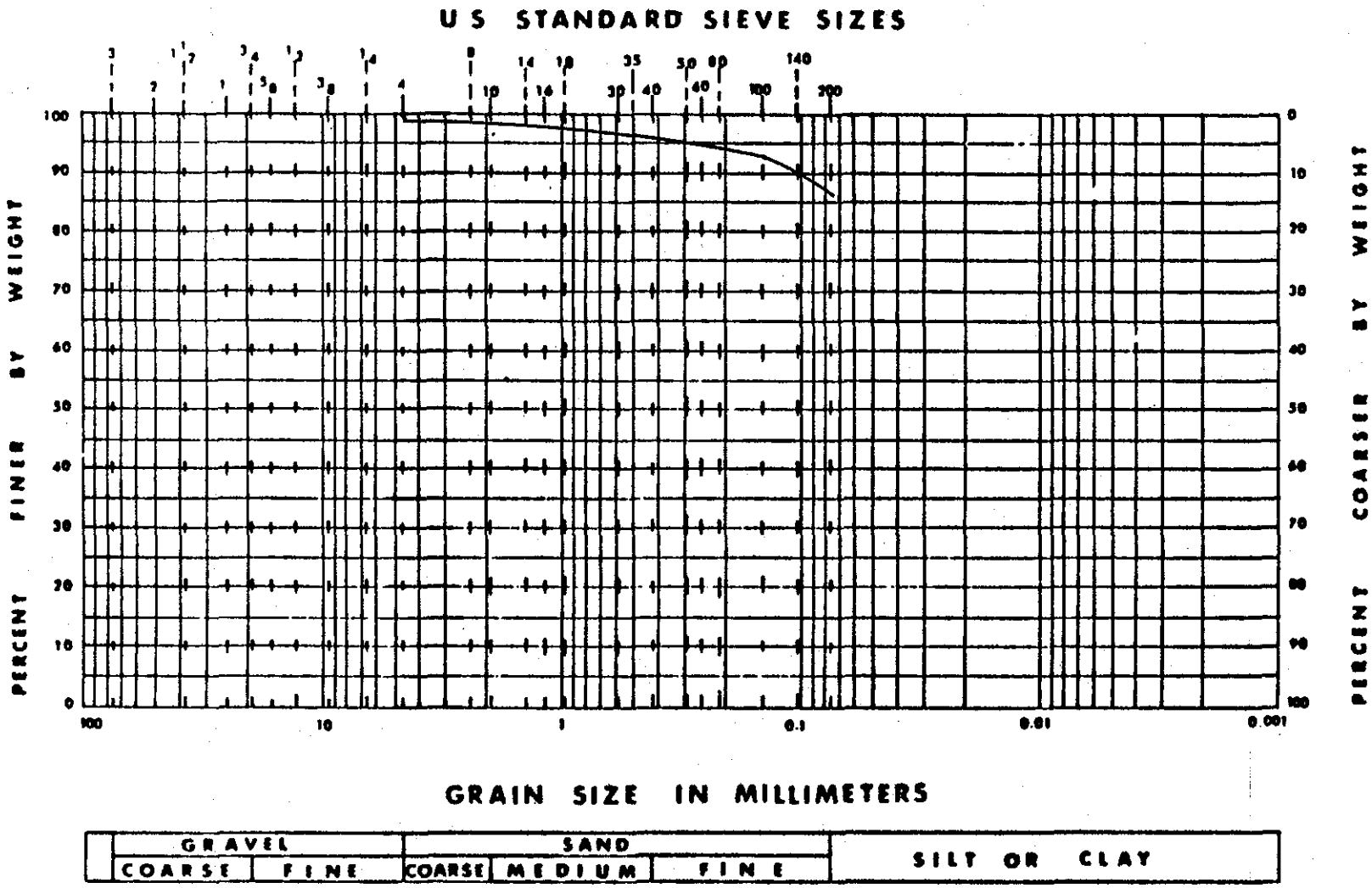
Brazos River Floodgates and Colorado River Locks

Boring No. 87-219 Sample 10C
Depth 30'-32'



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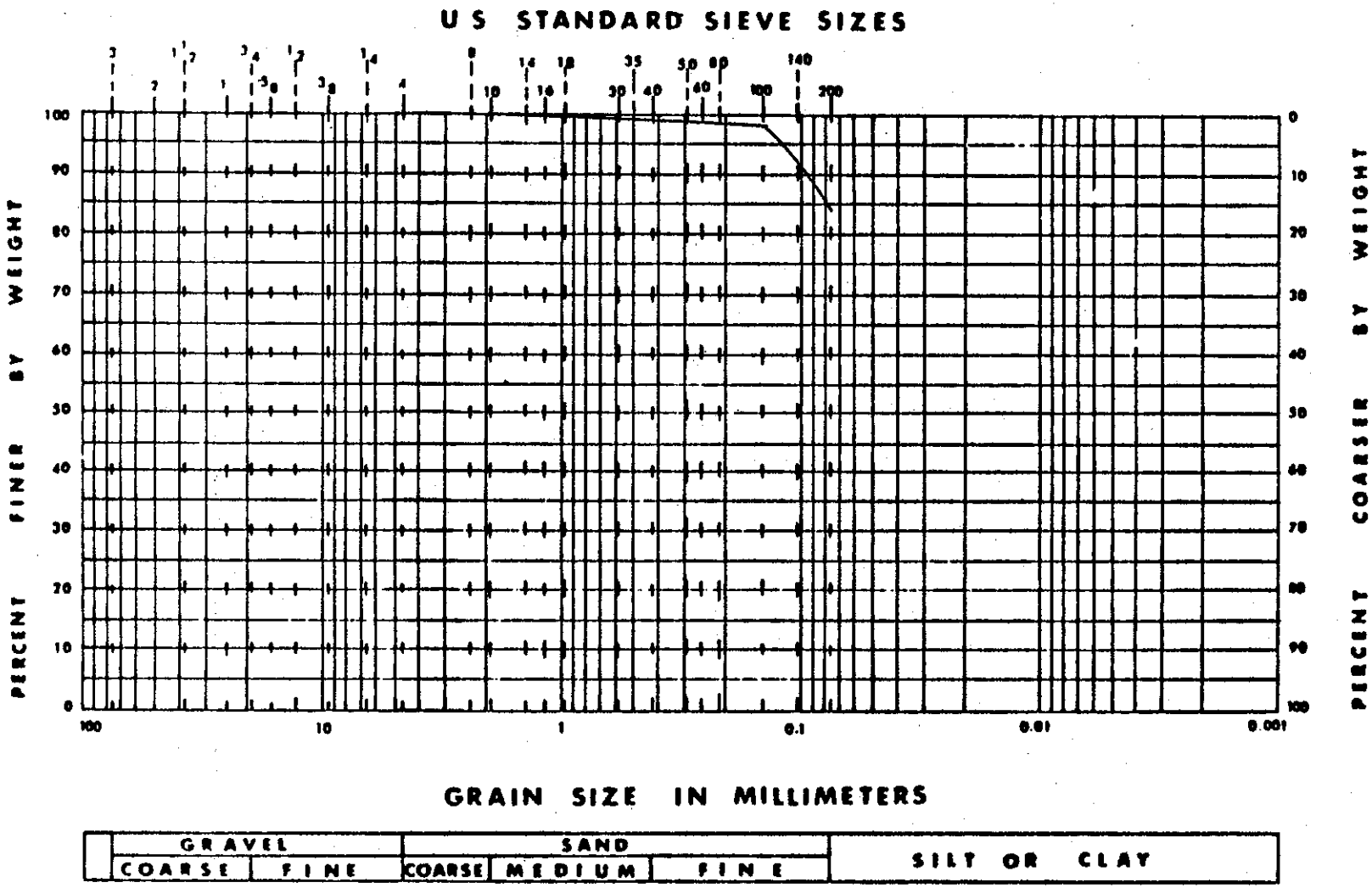
Brazos River Floodgates and Colorado River Locks

Boring No. 87-219 Sample 15C
Depth 40'-42'



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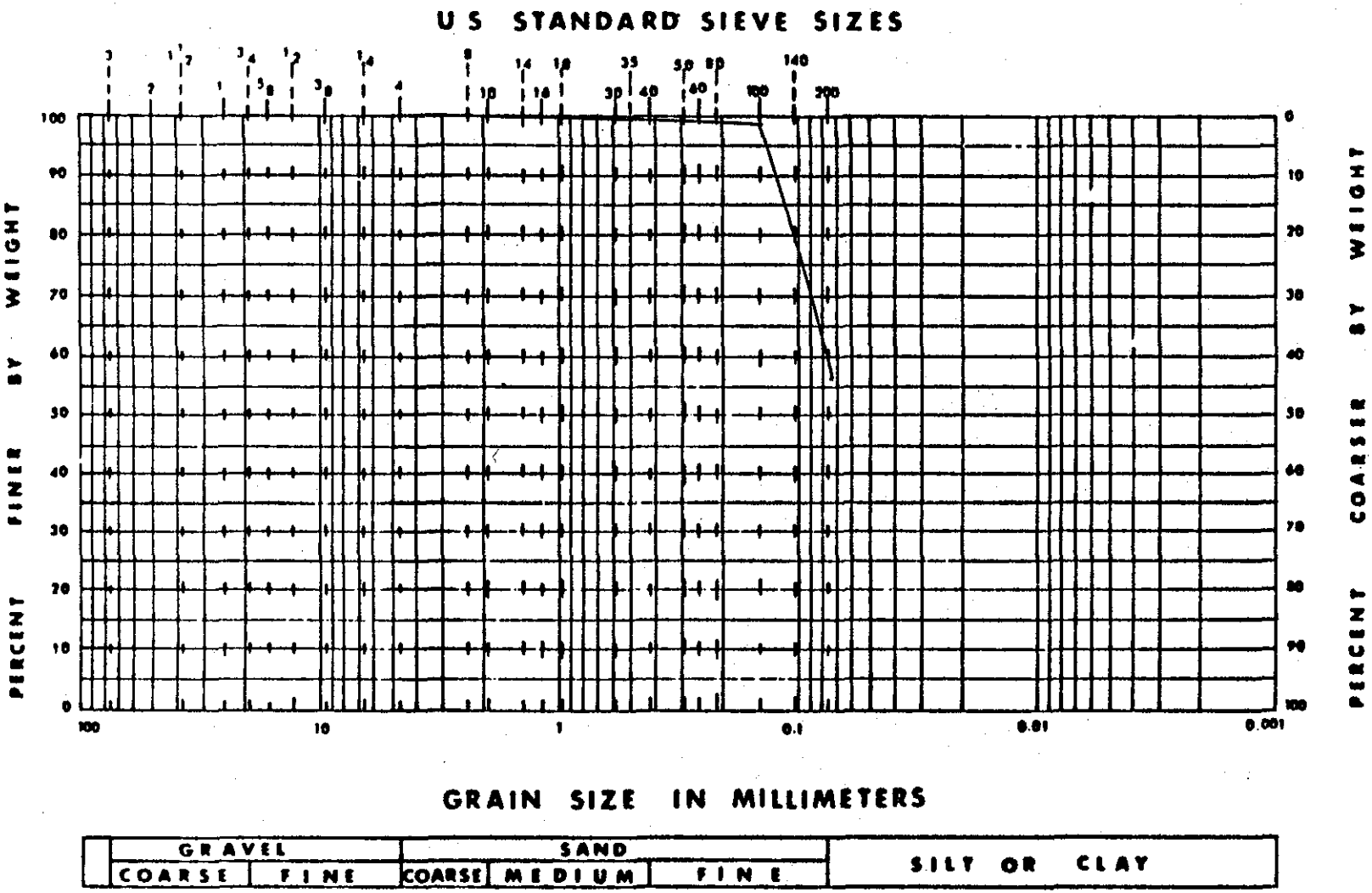
Brazos River Floodgates and Colorado River Locks

Boring No. 87-219 Sample 17J
Depth 44'-46'



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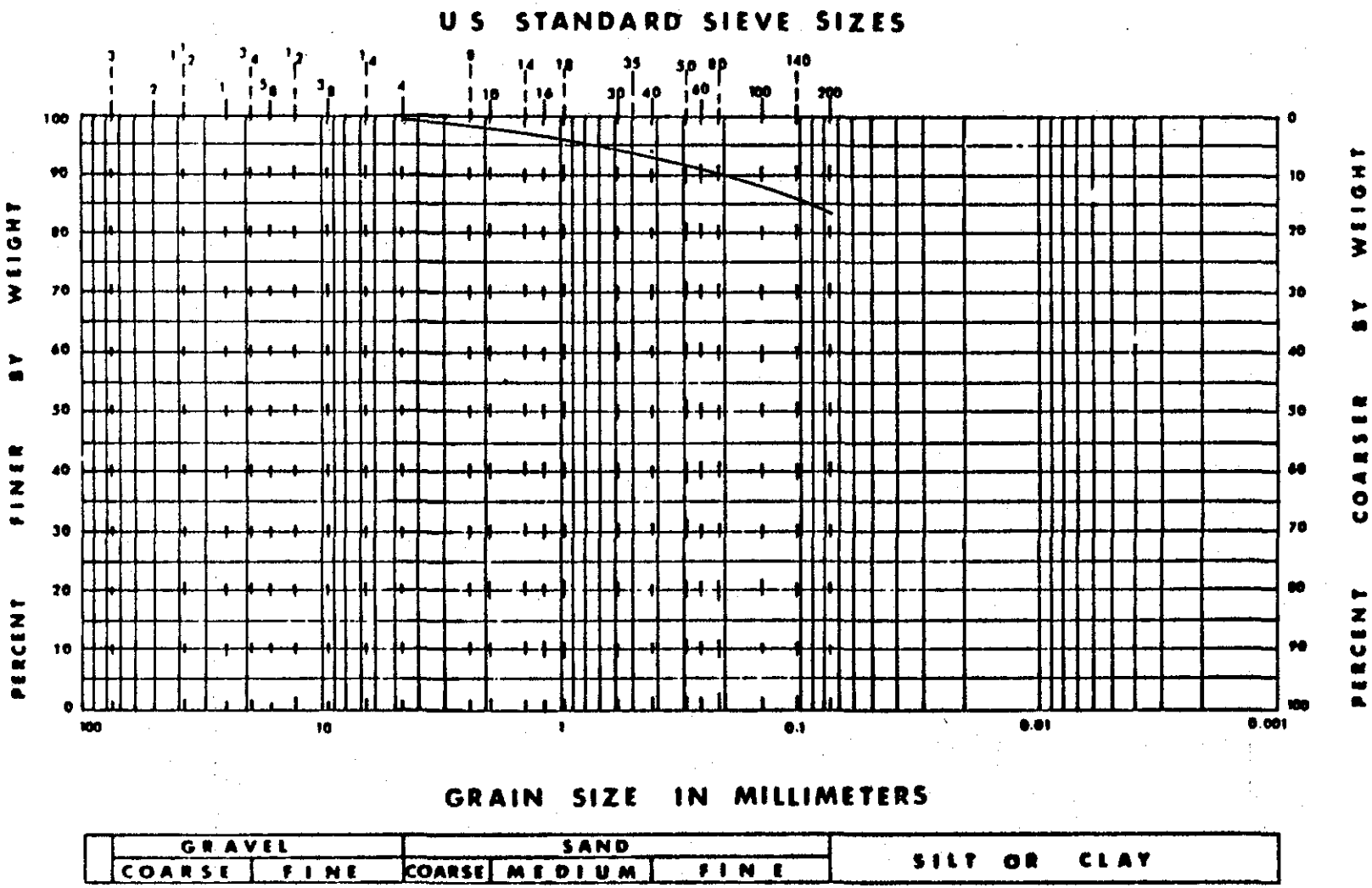
Brazos River Floodgates and Colorado River Locks

Boring No. 87-219 Sample 18J
Depth 48'-50'



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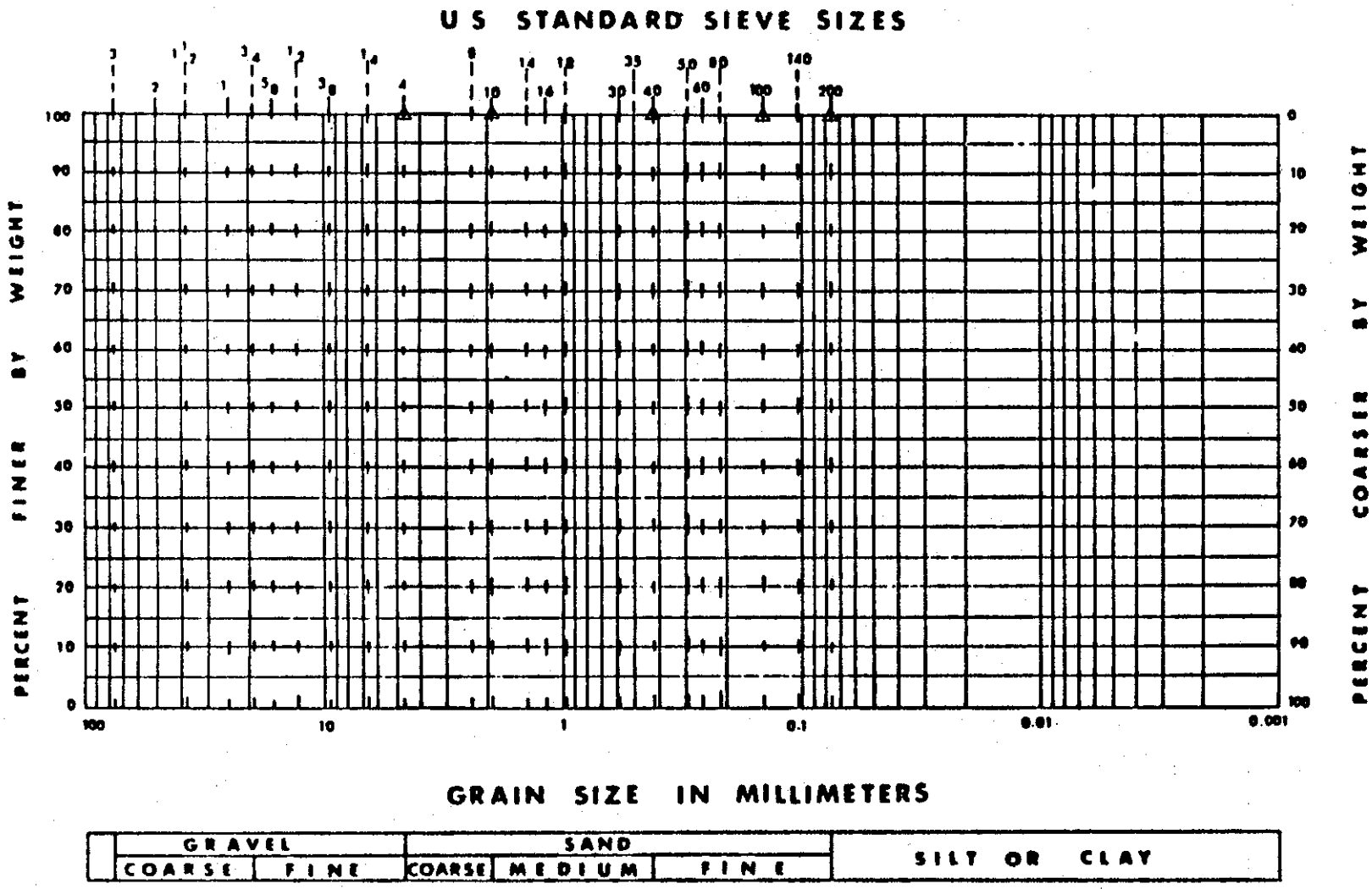
Brazos River Floodgates and Colorado River Locks

Boring No. 87-219 Sample 22C
Depth 56'-58'



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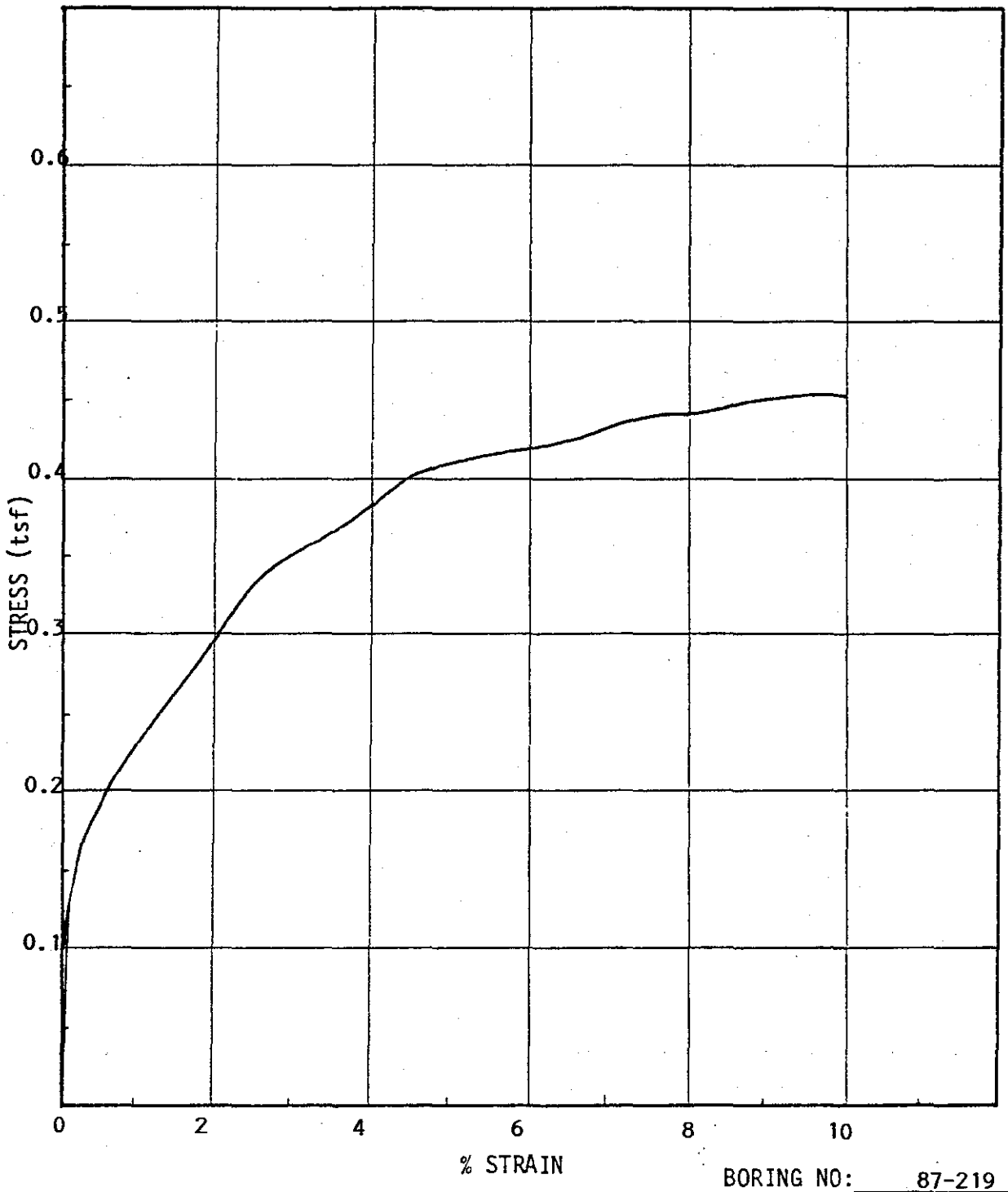
UNCONFINED COMPRESSION TEST



BORING NO: 87-219

SAMPLE DEPTH: 8'-10'

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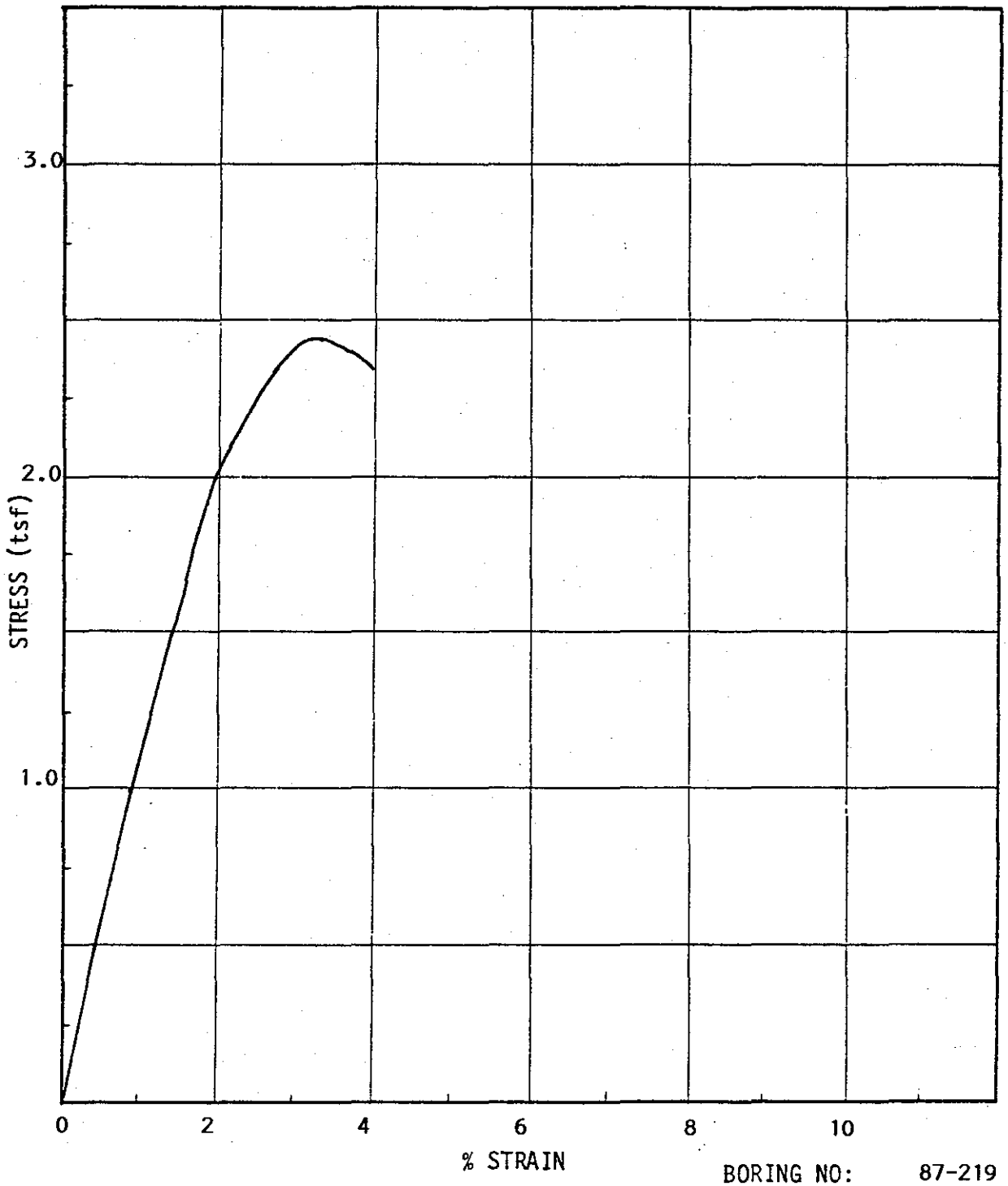
UNCONFINED COMPRESSION TEST



BORING NO: 87-219

SAMPLE DEPTH: 40'-42'

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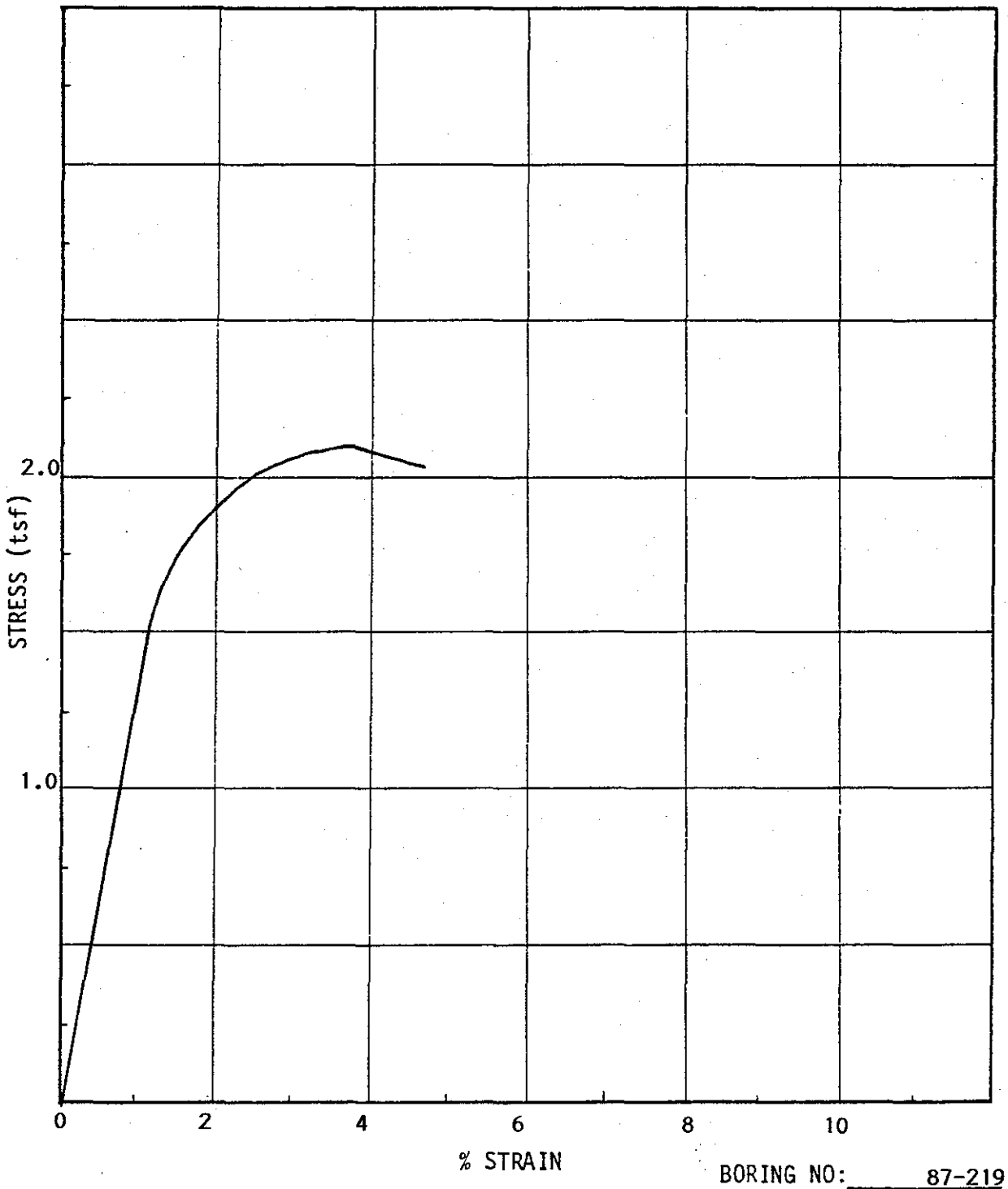
UNCONFINED COMPRESSION TEST



BORING NO: 87-219

SAMPLE DEPTH: 56'-58'