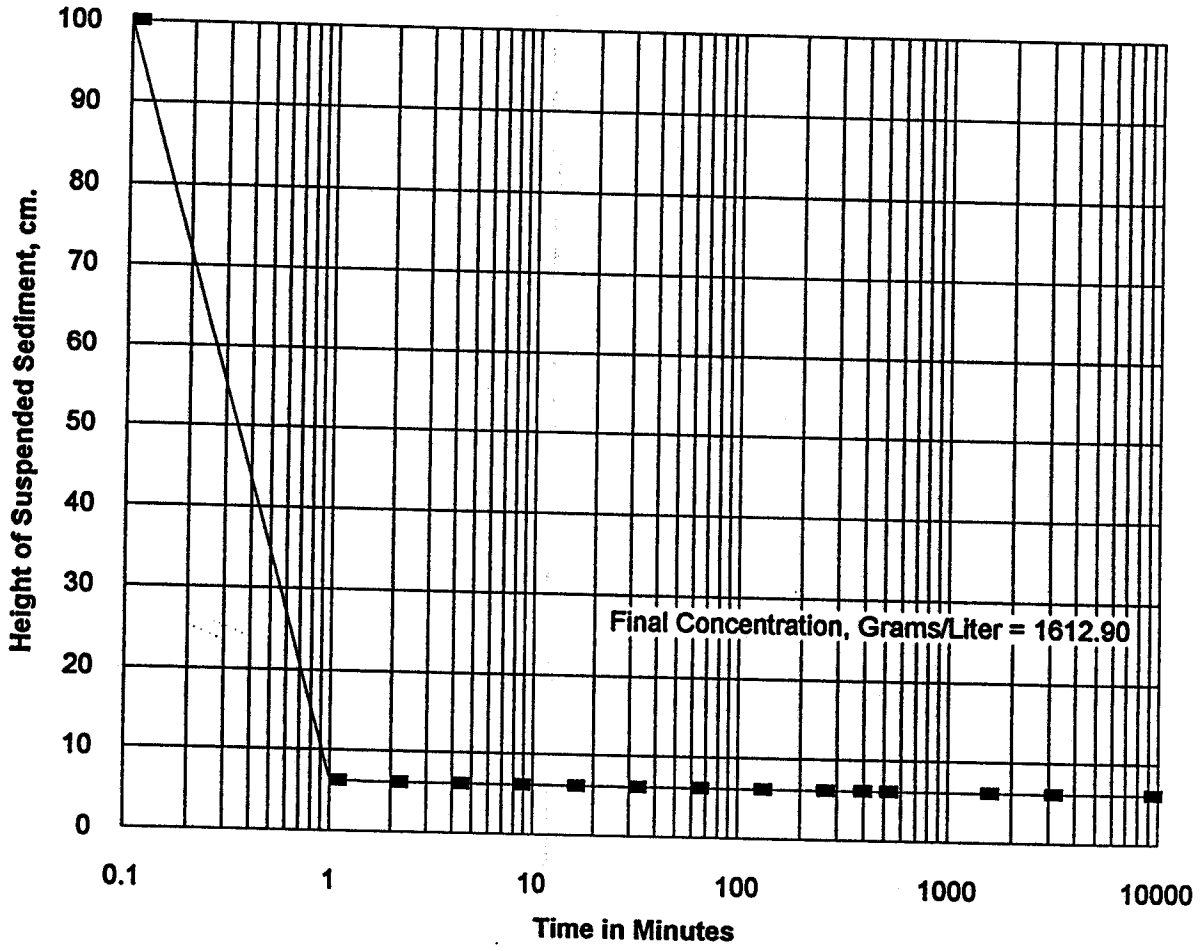
U.S. ARMY CORPS OF ENGINEERS
SOUTH ATLANTIC DIVISION LABORATORY
MARIETTA, GEORGIA

SUSPENDED SEDIMENT-TIME CURVE

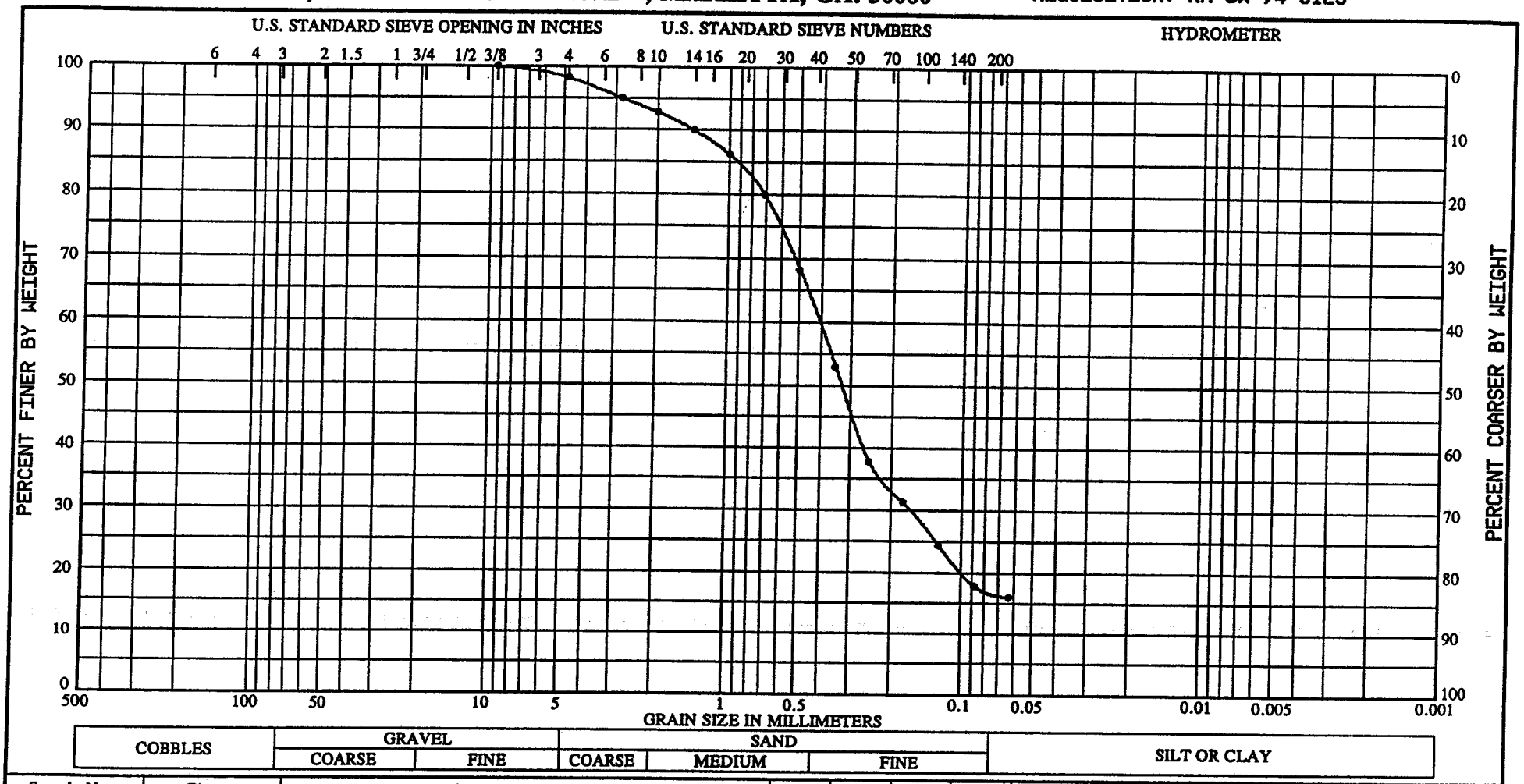


NOTES:
1. Test specimens (100 grams/ liter ,moist weight of specimen) suspended in sea water(salinity about 10 ppT) in 100 cm. long bottom withdrawal tubes.
2. Suspended sediment-time curves represent the contact surface between the sediment still in suspension and the "clear" water on top at the elapsed time indicated.
3. See grain-size data on enclosed gradation curve.
4. Percent Solids = 44.56

PROJECT:	Jacksonville	REQ'N NO:	RM-CW-94-0125
		W.O. NO:	7330
AREA:	St. Lucie Inlet	DATE RECEIVED:	7-Jun-94
		DATE REPORTED:	9-Jul-94
BORING NO:	CB-SLI94-2	ELEV:	-6.0 to -7.4
SAMPLE NO:	1	LAB NO:	73 / 6400

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE , MARIETTA, GA. 30060

WORK ORDER: 7330
REQUISITION: RM-CW-94-0125



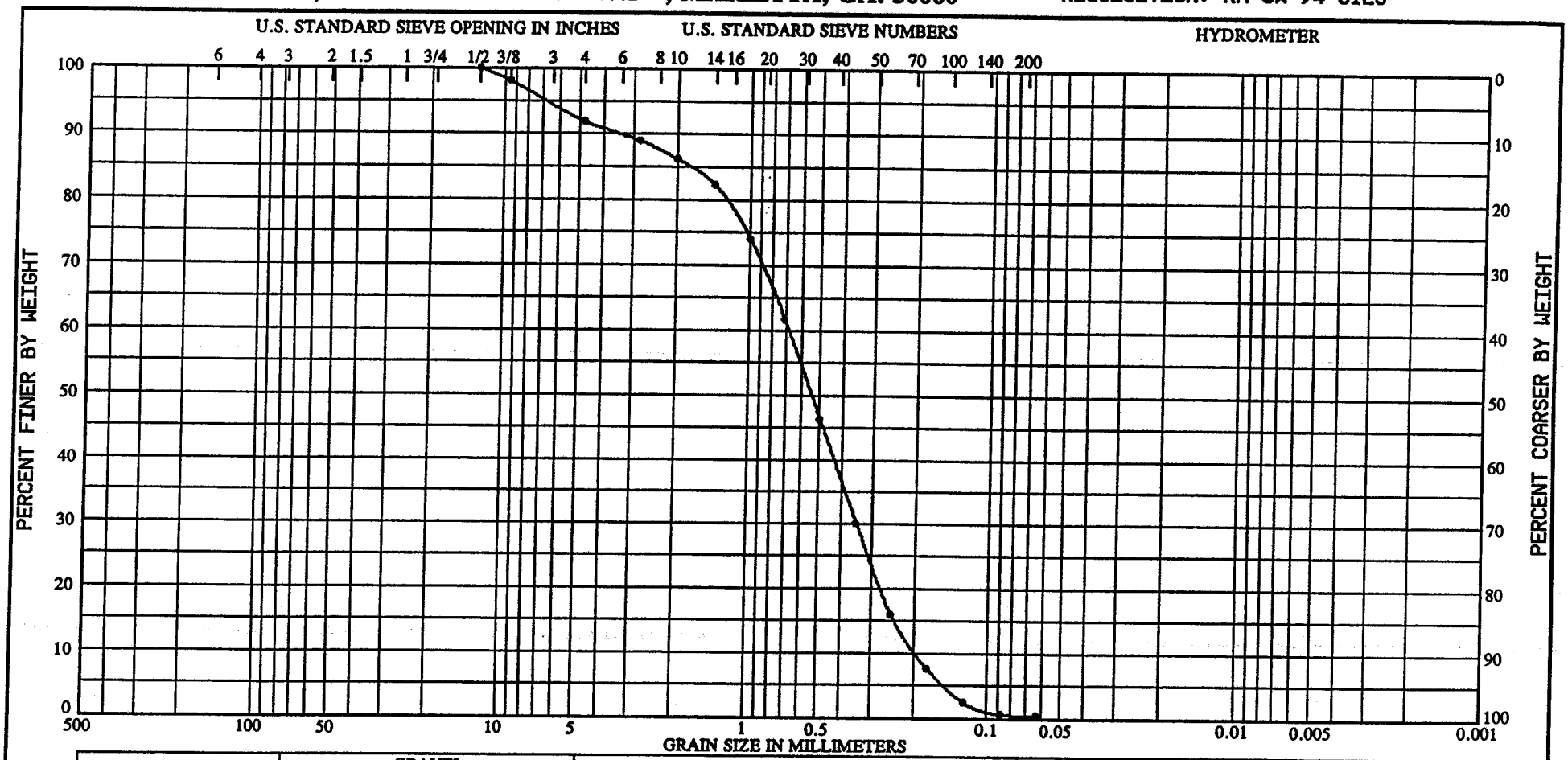
Sample No.	Elev.	Classification	Nat w%	LL	PL	PI
2	-7.2 / -8.0	(VISUAL) GRAY, SILTY SAND (SM), WITH				
		PLASTIC FINES AND A LITTLE SHELL AND				
		SHELL FRAGMENTS AND A TRACE OF GRAVEL				
		SIZES.				
		VISUAL PERCENT SHELL IS APPROXIMATELY 19%.				

Project JACKSONVILLE DISTRICT
ST. LUCIE INLET
Lab No. 73/6401
Boring No. SLI94-3
Date 07/07/94

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE , MARIETTA, GA. 30060

WORK ORDER: 7330
REQUISITION: RM-CW-94-0125



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

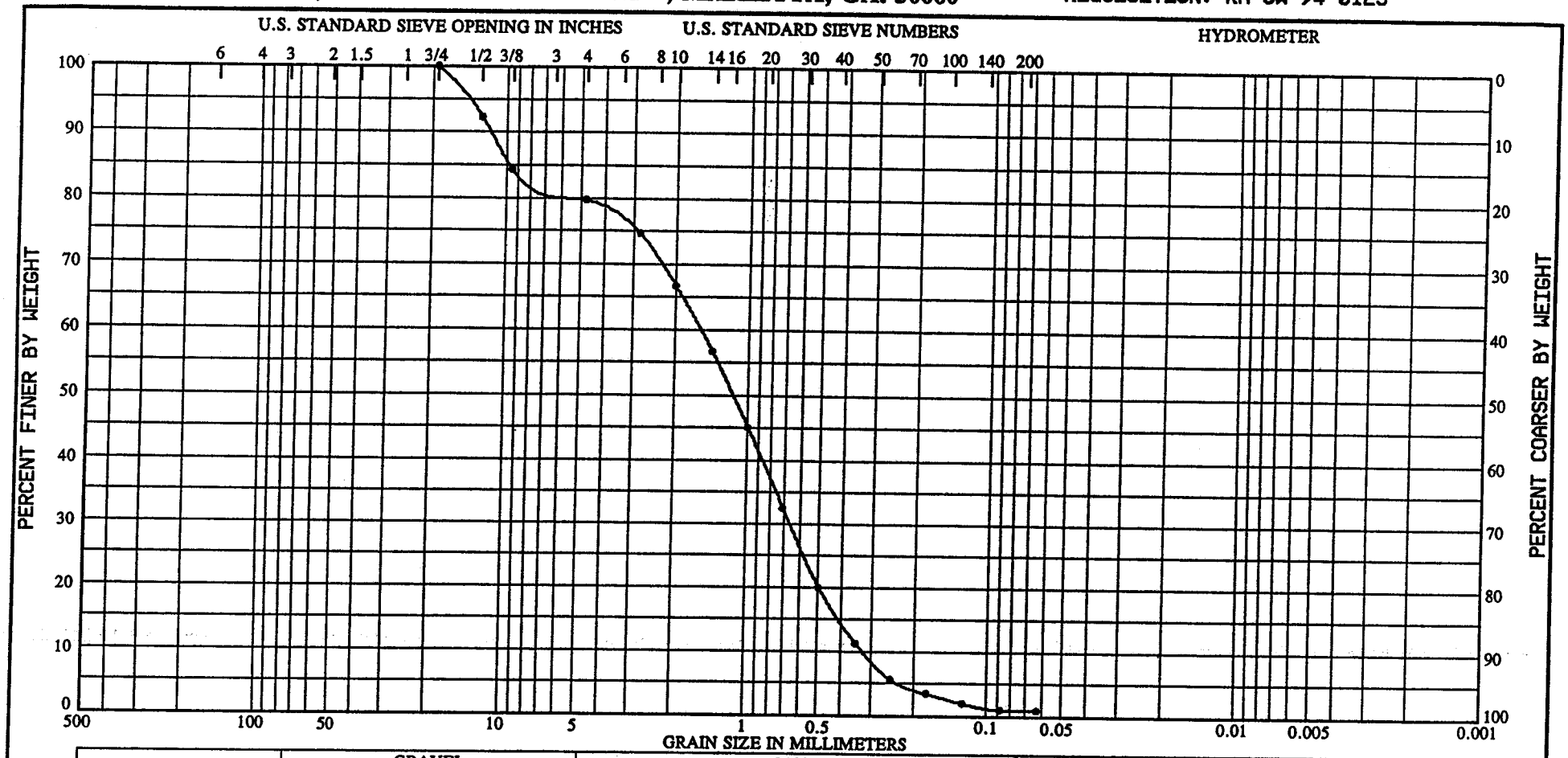
Sample No.	Elev.	Classification	Nat w%	LL	PL	PI
2	+1.4 / -1.1	(VISUAL) TAN, POORLY GRADED SHELL AND SHELL FRAGMENTS (SP), WITH A TRACE OF GRAVEL SIZE SHELL. VISUAL PERCENT SHELL IS APPROXIMATELY 53%.				

Project JACKSONVILLE DISTRICT
ST. LUCIE INLET
Lab No. 73/6402
Boring No. SLI94-4
Date 07/07/94

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE , MARIETTA, GA. 30060

WORK ORDER: 7330
REQUISITION: RM-CW-94-0125



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

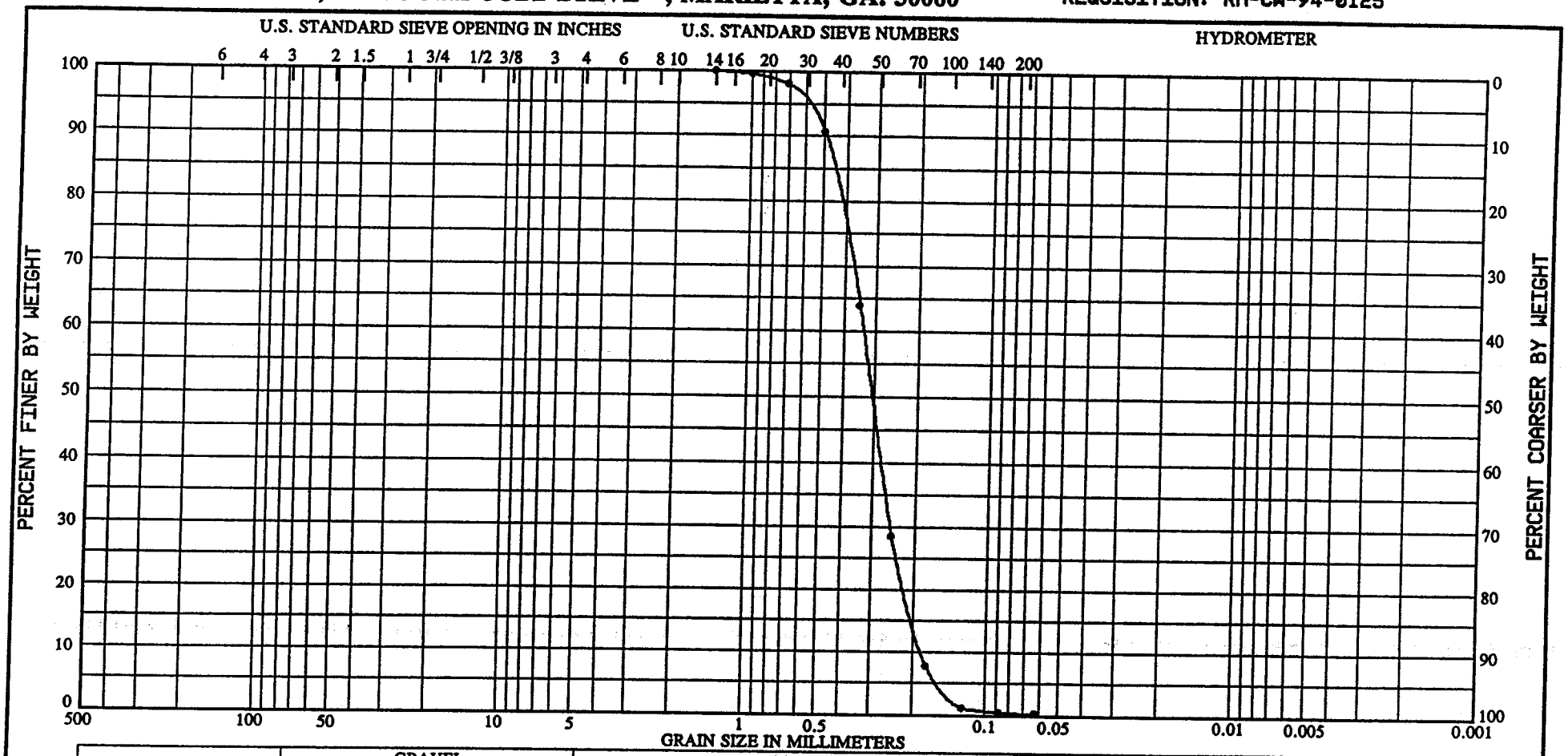
Sample No.	Elev.	Classification	Nat w%	LL	PL	PI
1	-4.5 / -5.3	(VISUAL) TAN, POORLY GRADED SHELL AND SHELL FRAGMENTS (SP), WITH SOME GRAVEL SIZE SHELL.				
		VISUAL PERCENT SHELL IS APPROXIMATELY 76%.				

Project JACKSONVILLE DISTRICT
ST. LUCIE INLET
Lab No. 73/6403
Boring No. SLI94-5
Date 07/07/94

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE , MARIETTA, GA. 30060

WORK ORDER: 7330
REQUISITION: RM-CW-94-0125



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

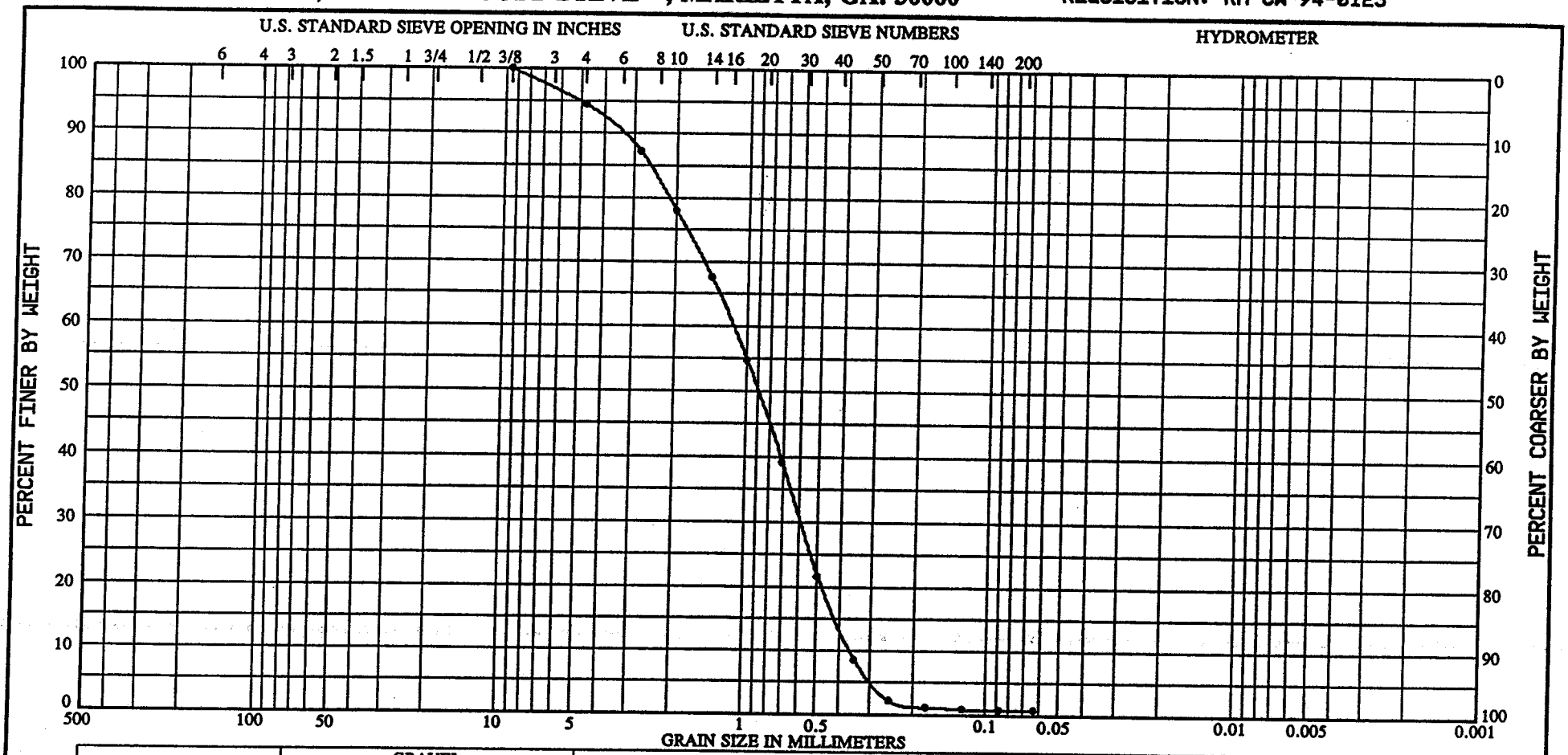
Sample No.	Elev.	Classification	Nat w%	LL	PL	PI
1	+5.5 / +2.6	(VISUAL) TAN, POORLY GRADED SAND (SP),				
		WITH A LITTLE SHELL FRAGMENTS.				
		VISUAL PERCENT SHELL IS APPROXIMATELY				
		15%.				

Project JACKSONVILLE DISTRICT
ST. LUCIE INLET
Lab No. 73/6404
Boring No. SLI94-6
Date 07/07/94

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE , MARIETTA, GA. 30060

WORK ORDER: 7330
REQUISITION: RM-CW-94-0125



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

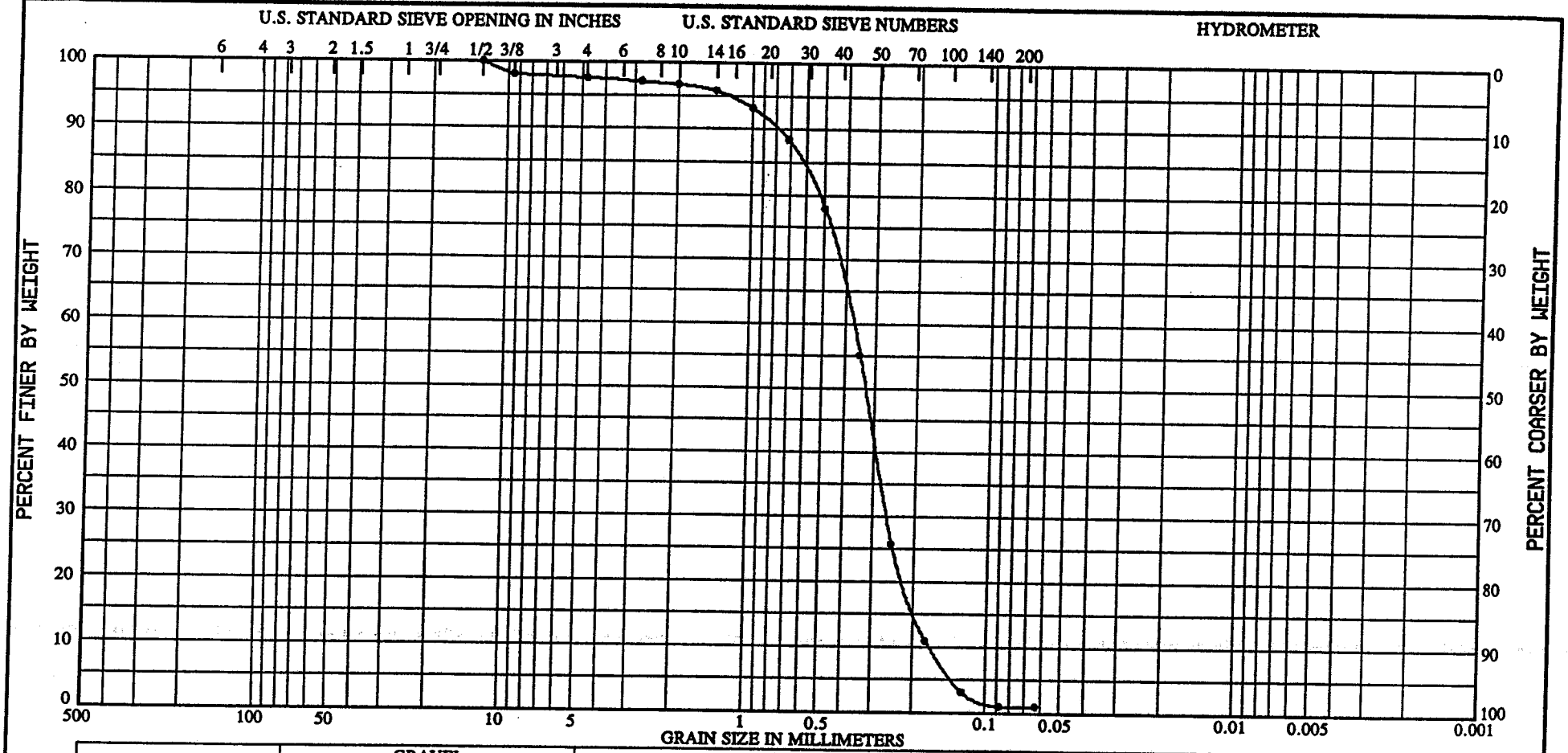
Sample No.	Elev.	Classification	Nat w%	LL	PL	PI
1	-5.5 / -6.7	(VISUAL) TAN, POORLY GRADED SHELL AND SHELL FRAGMENTS (SP), WITH A TRACE OF GRAVEL SIZE SHELL. VISUAL PERCENT SHELL IS APPROXIMATELY 75%.				

Project JACKSONVILLE DISTRICT
ST. LUCIE INLET
Lab No. 73/6405
Boring No. SLI94-7
Date 07/07/94

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE , MARIETTA, GA. 30060

WORK ORDER: 7330
REQUISITION: RM-CW-94-0125



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

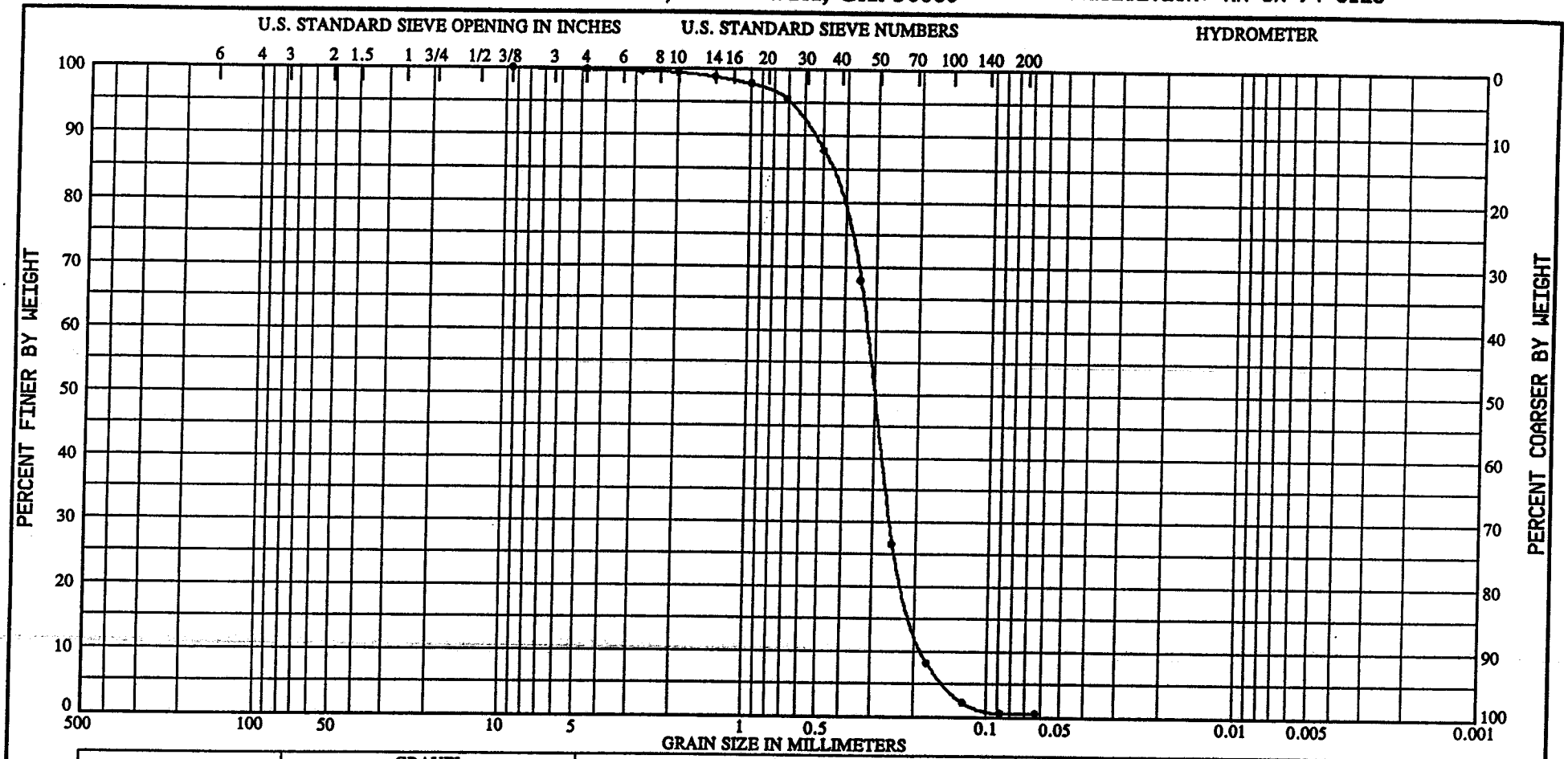
Sample No.	Elev.	Classification	Nat w%	LL	PL	PI
1	-5.8 / -7.2	(VISUAL) TAN, SHELLY POORLY GRADED SAND				
		(SP), WITH A TRACE OF GRAVEL SIZE SHELL.				
		VISUAL PERCENT SHELL IS APPROXIMATELY				
		39%.				

Project JACKSONVILLE DISTRICT
ST. LUCIE INLET
Lab No. 73/6406
Boring No. SLI94-8
Date 07/07/94

GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE , MARIETTA, GA. 30060

WORK ORDER: 7330
REQUISITION: RM-CW-94-0125



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

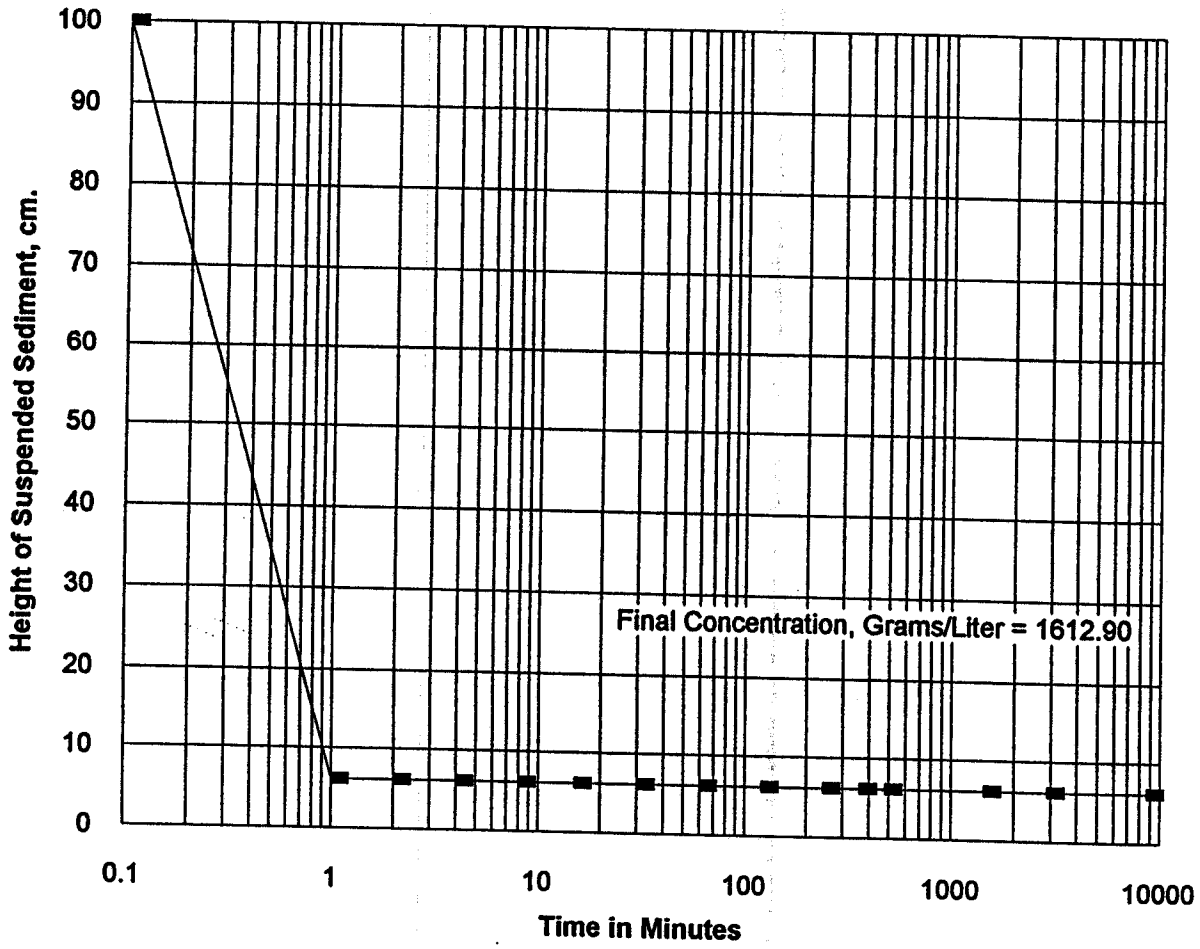
Sample No.	Elev.	Classification	Nat w%	LL	PL	PI
1	-5.7 / -6.7	(VISUAL) TAN, POORLY GRADED SAND (SP),	13.8			
		WITH SOME SHELL FRAGMENTS.				
		VISUAL PERCENT SHELL IS APPROXIMATELY				
		21%.				

Project JACKSONVILLE DISTRICT
ST. LUCIE INLET
Lab No. 73/6407
Boring No. SLI94-9
Date 07/07/94

GRADATION CURVES

U.S. ARMY CORPS OF ENGINEERS
SOUTH ATLANTIC DIVISION LABORATORY
MARIETTA, GEORGIA

SUSPENDED SEDIMENT-TIME CURVE

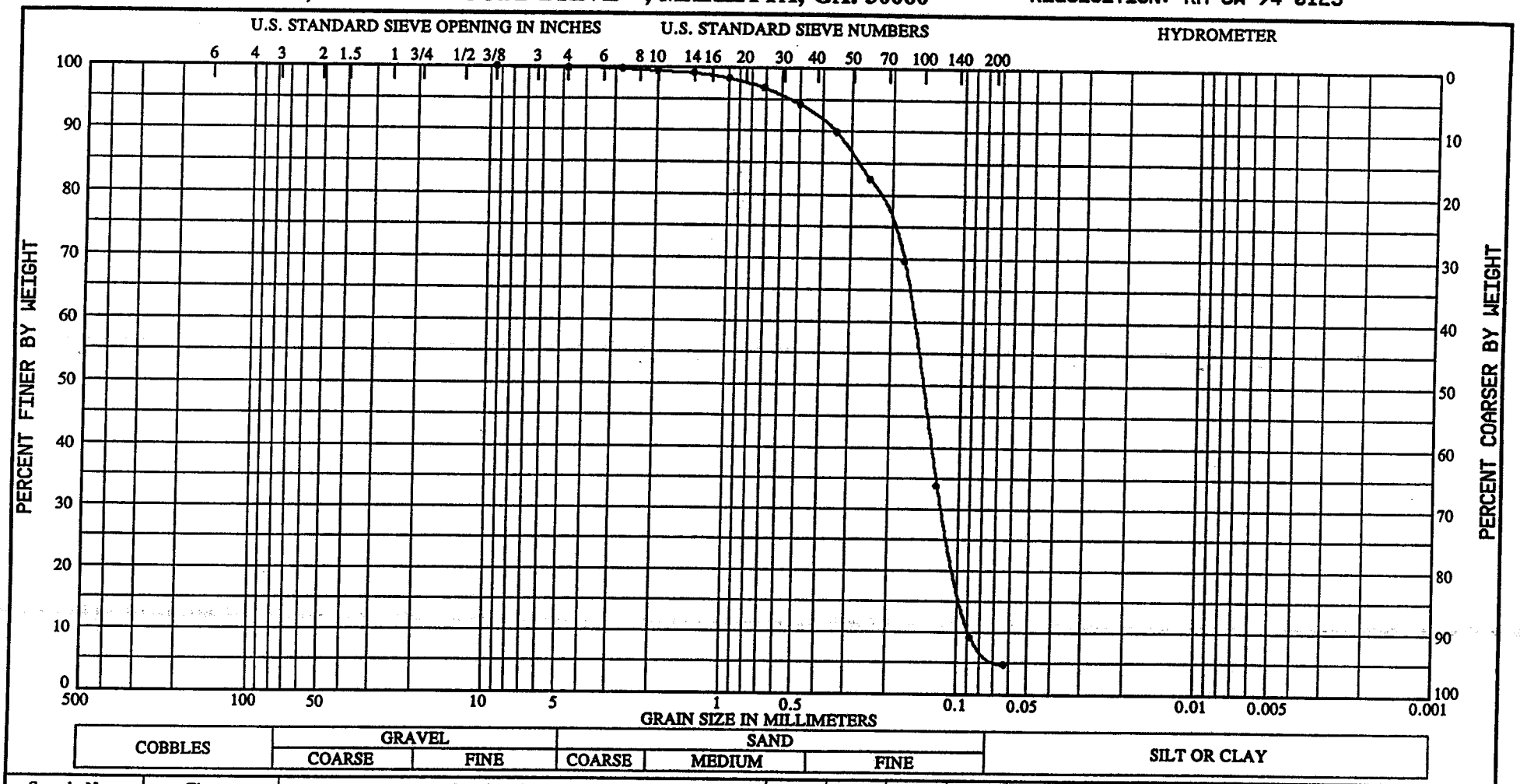


NOTES:
1. Test specimens (100 grams/ liter ,moist weight of specimen) suspended in sea water(salinity about 10 ppT) in 100 cm. long bottom withdrawal tubes.
2. Suspended sediment-time curves represent the contact surface between the sediment still in suspension and the "clear" water on top at the elapsed time indicated.
3. See grain-size data on enclosed gradation curve.
4. Percent Solids = 43.94

PROJECT:	Jacksonville	REQ'N NO:	RM-CW-94-0125
		W.O. NO:	7330
AREA:	St. Lucie Inlet	DATE RECEIVED:	7-Jun-94
		DATE REPORTED:	9-Jul-94
BORING NO:	CB-SLI94-9	ELEV:	-5.7 to -6.7
SAMPLE NO:	1	LAB NO:	73 / 6407

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE , MARIETTA, GA. 30060

WORK ORDER: 7330
REQUISITION: RM-CW-94-0125



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Sample No.	Elev.	Classification	Nat w%	LL	PL	PI
2	-5.3 / -6.3	(VISUAL) LT. GRAY, POORLY GRADED SILTY SAND (SP-SM), WITH A TRACE OF SHELL FRAGMENTS. VISUAL PERCENT SHELL IS APPROXIMATELY 8%.				

Project JACKSONVILLE DISTRICT
ST. LUCIE INLET
Lab No. 73/6408
Boring No. SLI94-10
Date 07/07/94

GRADATION CURVES