A GEOLOGICAL INVESTIGATION OF THE OFFSHORE AREAS ALONG FLORIDA'S CENTRAL EAST COAST

ANNUAL REPORT TO
the
UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
YEAR 3

PART 2

Contract Period January 1, 1998 through February 15, 1999
Cooperative Agreement No. 35-0001-30757

Henry Freedenberg, P.G. #617 and Ron Hoenstine, P.G. #57
Principal Investigators
Adel Dabous, Brian Cross, Allen Willett, Michelle LaChance
Zi-Qiang Chen and Nikki Strong

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: IR-5
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 7.1 FT.	GEOLOGISTS: H. FREEDENBERG, STRONG, DABOUS, TRIMBLE

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-0.3) FINE TO COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 10% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.80% FINES
1	(0.3-0.9) FINE TO COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.06% FINES
	(0.9-2.0) FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 0.14% FINES
2	(2.0-2.6) FINE TO VERY COARSE VERY LIGHT ORANGE TO YELOWISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 30% SHELL, 1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.18% FINES
3	(2.6-3.0) FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 40% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, CORAL, BRYOZOA 0.40% FINES
4	(3.0-3.3) FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 30% SHELL, 1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.57% FINES
5	(3.3-3.7) VERY FINE TO COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 10% SHELL, 2% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.07% FINES
6	(3.7-4.0) FINE TO VERY COARSE SAND LIGHT OLIVE GRAY TO WHITE ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 45% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 4.17% FINES
	(4.0-4.6) VERY FINE TO VERY COARSE SAND LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 50% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 1.51% FINES
7	(4.6-5.6) VERY FINE TO VERY COARSE SAND YELLOWISH GRAY TO WHITE ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 40% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BRYOZOA, CORAL 0.94% FINES
	(5.6-6.0) VERY FINE TO VERY COARSE SAND LIGHT OLIVE GRAY TO VERY LIGHT ORANGE ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 35% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BRYOZOA, CORAL 0.95% FINES
8	(6.0-7.1) FINE TO VERY COARSE SAND BROWNISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: NONE FOSSILS: NONE FOUND 2.18% FINES
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST	BORING ID: IR-6
INSTALLATION DATE:	DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40 / TOTAL DEPTH: 6.8 FT.	GEOLOGISTS: H. FREEDENBERG, STRONG, DABOUS, TRIMBLE

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-1.6) FINE TO COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 20% SHELL, 1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, PLANT REMAINS 0.40% FINES
1	(1.6-3.5) FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS 0.40% FINES
2	(3.5-3.9) FINE TO MEDIUM SAND VERY LIGHT ORANGE TO GRAYISH ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.56% FINES
3	(3.9-4.3) FINE TO COARSE SAND VERY LIGHT ORANGE TO GRAYISH ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 30% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.72% FINES
4	(4.3-5.1) FINE TO COARSE SAND VERY LIGHT ORANGE TO GRAYISH ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 20% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.48% FINES
5	(5.1-5.9) FINE TO COARSE SAND VERY LIGHT ORANGE TO GRAYISH ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 20% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.71% FINES
6	(5.9-6.8) FINE TO COARSE SAND VERY LIGHT ORANGE TO GRAYISH ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 1.39% FINES
7				
8				
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: IR-7
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 6.1 FT.	GEOLOGISTS: H. FREEDENBERG, STRONG, DABOUS, TRIMBLE

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-0.4) FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 30% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.4% FINES
1	(0.4-0.7) VERY FINE TO COARSE SAND LIGHT OLIVE GRAY TO BLACK ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 15% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 0.35% FINES
2	(0.7-0.9) VERY FINE TO COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 4% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 0.21% FINES
3	(0.9-1.1) VERY FINE TO COARSE SAND DARK YELLOWISH BROWN TO BLACK ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 7% SHELL, 40% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 0.28% FINES
4	(1.1-1.5) VERY FINE TO VERY COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 2% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 0.15% FINES
	(1.5-2.2) FINE TO VERY COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 0.19% FINES
5	(2.2-2.8) VERY FINE TO COARSE SAND DARK YELLOWISH BROWN TO BLACK ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 30% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 0.14% FINES
6	(2.8-3.3) VERY FINE TO COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 12% SHELL FOSSILS: FOSSIL FRAGMENTS 0.26% FINES
7	(3.3-3.6) VERY FINE TO COARSE SAND DARK YELLOWISH BROWN TO BLACK ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 25% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 0.18% FINES
8	(3.6-3.9) VERY FINE TO COARSE SAND YELLOWISH GRAY TO VERY LIGHT ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 0.26% FINES
	(3.9-5.5) FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO GRAYISH ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 35% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.59% FINES
9	(5.5-6.1) VERY FINE TO COARSE SAND YELLOWISH GRAY TO PINKISH GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			FOSSILS: FOSSIL FRAGMENTS 1.34% FINES

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: IR-8
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 6.0 FT.	GEOLOGISTS: H. FREEDENBERG, STRONG, DABOUS, TRIMBLE

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-0.3) FINE TO COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 15% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.50% FINES
1	(0.3-1.0) VERY FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 63% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, CORAL, BRYOZOA, ECHINOIDS 0.31% FINES
2	(1.0-1.5) VERY FINE TO COARSE SAND YELLOWISH GRAY TO PINKISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 7% SHELL FOSSILS: FOSSIL FRAGMENTS 0.17% FINES
3	(1.5-1.9) VERY FINE TO VERY COARSE SAND YELLOWISH GRAY TO PINKISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL FOSSILS: FOSSIL FRAGMENTS 0.23% FINES
4	(1.9-2.4) VERY FINE TO VERY COARSE SAND YELLOWISH GRAY TO PINKISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 50% SHELL, 2% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, ECHINOIDS, MOLLUSKS 0.40% FINES
	(2.4-2.7) VERY FINE TO VERY COARSE SAND YELLOWISH GRAY TO PINKISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 25 HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, CORAL, ECHINOIDS 0.14% FINES
5	(2.7-3.0) FINE TO VERY COARSE SAND YELLOWISH GRAY TO PINKISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL FOSSILS: FOSSIL FRAGMENTS 0.20% FINES
6	(3.0-3.8) VERY FINE TO COARSE SAND YELLOWISH GRAY TO BLACK ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 25% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 0.27% FINES
7	(3.8-5.2) VERY FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO GRAYISH ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 50% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.21% FINES
8	(5.2-6.0) FINE TO VERY COARSE SAND GRAYISH ORANGE TO VERY LIGHT ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 55% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, CRUSTACEA, BRYOZOA, CORAL 0.76% FINES
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: IR-9
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 5.5 FT.	GEOLOGISTS: H. FREEDENBERG, STRONG, DABOUS, TRIMBLE

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-0.5) VERY FINE TO VERY COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 55% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BRYOZOA, ECHINOIDS 0.45% FINES
1	(0.5-1.8) VERY FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO YELLOWISH GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 5% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BRYOZOA, CORAL, BENTHIC FORAMINIFERA 0.40% FINES
2	(1.8-3.1) FINE TO COARSE SAND YELLOWISH GRAY TO VERY LIGHT ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 20% SHELL 2% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 0.30% FINES
3	(3.1-3.6) FINE TO COARSE SAND LIGHT YELLOWISH ORANGE TO YELLOWISH GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 7% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.38% FINES
4	(3.6-4.2) VERY FINE TO COARSE SAND LIGHT YELLOWISH ORANGE TO VERY LIGHT ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.38% FINES
	(4.2-5.0) VERY FIEN TO COARSE SAND GRAYISH ORANGE TO VERY LIGHT ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 20% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.35% FINES
5	(5.0-5.5) VERY FINE TO COARSE SAND YELLOWISH GRAY TO VERY LIGHT ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL FOSSILS: FOSSISL FRAGMENTS, MOLLUSKS 0.78% FINES
6				
7				
8				
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: IR-10
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 6.6 FT.	GEOLOGISTS: H. FREEDENBERG, STRONG, DABOUS, TRIMBLE

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-1.1) VERY FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 505 SHELL, <1% HEAVY MINERALS FOSSILS: MOLLUSKS FOSSIL FRAGMENTS, BRYOZOA 0.11% FINES
1	(1.1-2.7) VERY FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 60% SHELL, 1% HEAVY MINERALS, 1% PHOSPHATIC SAND FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.31% FINES
2	(2.7-3.1) VERY FINE TO COARSE SAND VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 35% SHELL, 1% HEAVY MINERALS, 1% PHOSPHATIC SAND FOSSILS: FOSSIL FRAGMENTS 0.29% FINES
3	(3.1-3.7) VERY FINE TO VERY COARSE SHELL BED VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 70% SHELL, <1% HEAVY MINERALS, <1% PHOSPHATIC SAND FOSSILS: FOSSIL FRAGMENTS, BRYOZOA 0.23% FINES
4	(3.7-4.0) VERY FINE TO COARSE SAND VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 1% HEAVY MINERALS, 2% PHOSPHATIC SAND FOSSILS: FOSSIL FRAGMENTS 0.19% FINES
	(4.0-4.2) VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE			ACCESSORY MINERALS: <1% HEAVY MINERALS, 50% SHELL, <1% PHOSPHATIC SAND FOSSILS: FOSSIL FRAGMENTS 0.15% FINES
5	(4.2-5.5) VERY FINE TO COARSE SAND VERY LIGHT ORANGE TO LIGHT YELLOWISH ORANGE SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 1% HEAVY MINERALS, 2% PHOSPHATIC SAND FOSSILS: FOSSIL FRAGMENTS 0.46% FINES
6	(5.5-5.9) VERY FINE TO COARSE SAND GRAYISH BROWN TO LIGHT OLIVE GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 12% SHELL, 1% HEAVY MINERALS, 3% PHOSPHATIC SAND FOSSILS: FOSSIL FRAGMENTS 1.09% FINES
7	(5.9-6.6) VERY FINE TO COARSE SHELL BED LIGHT YELLOWISH ORANGE TO DARK YELLOWISH ORANGE SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 10% QUARTZ SAND FOSSILS: FOSSIL FRAGMENTS 0.43% FINES
8				
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST	BORING ID: IR-11
INSTALLATION DATE:	DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40 / TOTAL DEPTH: 6.6 FT.	GEOLOGISTS: H. FREEDENBERG, STRONG, DABOUS, TRIMBLE

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-1.1) VERY FINE TO VERY COARSE SAND GRAYISH BROWN SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 25% SHELL, 4% HEAVY MINERALS, 1% LIMESTONE FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.43% FINES
1	(1.1-2.3) VERY FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO GRAYISH BROWN SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 30% SHELL, 1% HEAVY MINERALS, 1% LIMESTONE FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, CORAL 0.21% FINES
2	(2.3-3.2) VERY FINE TO VERY COARSE SAND PINKISH GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 2% HEAVY MINERALS, <1% LIMESTONE FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.22% FINES
3	(3.2-4.6) VERY FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO GRAYISH BROWN SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 40% SHELL, <1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.26% FINES
4	(4.6-5.8) VERY FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO DARK YELLOWISH ORANGE SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACESSORY MINERALS: 70% SHELL, <1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.45% FINES
5	(5.8-6.6) VERY FINE TO COARSE SAND VERY LIGHT ORANGE TO GRAYISH BROWN SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL, <1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 2.59% FINES
6				
7				
8				
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: IR-12
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 4.6 FT.	GEOLOGISTS: H. FREEDENBERG, STRONG, DABOUS, TRIMBLE

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-1.0) FINE TO COARSE SAND VERY LIGHT ORANGE TO GRAYISH ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 20% SHELL, 2% HEAVY MINERALS, 3% LIMESTONE FOSSILS: FOSSIL FRAGMENTS 0.22% FINES
1	(1.0-1.2) FINE TO COARSE SAND VERY LIGHT ORANGE TO GRAYISH BROWN ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 5% HEAVY MINERALS, 1% LIMESTONE FOSSILS: FOSSIL FRAGMENTS 0.24% FINES
2	(1.2-2.0) FINE TO COARSE SAND VERY LIGHT ORANGE TO GRAYISH BROWN ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 1% HEAVY MINERALS, 3% LIMESTONE FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, ECHINOIDS 0.42% FINES
3	(2.0-3.3) FINE TO COARSE SAND GRAYISH BROWN TO MODERATE YELLOWISH BROWN ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 40% SHELL, 1% HEAVY MINERALS, 4% LIMESTONE FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BRYOZOA, SHARKS TEETH 0.45% FINES
4	(3.3-4.6) VERY FINE TO COARSE SAND			ACCESSORY MINERALS: 45% SHELL, <1% HEAVY MINERALS, 6% LIMESTONE FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BRYOZOA 0.41% FINES
5				
6				
7				
8				
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: IR-13
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 6.4 FT.	GEOLOGISTS: H. FREEDENBERG, STRONG, DABOUS, TRIMBLE

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-0.6) FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO DARK YELLOWISH ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 25% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.07% FINES
1	(0.6-0.9) FINE TO VERY COARSE SAND VERY LIGHT ORANGE TO MODERATE YELLOWISH BROWN ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 45% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, ECHINOIDS 0.21% FINES
2	(0.9-1.1) FINE TO COARSE SAND VERY LIGHT ORANGE TO GRAYISH ORANGE SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 0.09% FINES
3	(1.1-1.2) FINE TO COARSE SAND VERY LIGHT ORANGE TO LIGHT BROWN SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 3% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 0.27% FINES
4	(1.2-3.3) FINE TO COARSE SAND VERY LIGHT ORANGE TO DARK YELLOWISH ORANGE SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.17% FINES
5	(3.3-4.1) FINE TO COARSE SAND VERY LIGHT ORANGE TO BLACK ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 2% HEAVY MINERALS, 1% LIMESTONE FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, ECHINOIDS 0.25% FINES
6	(4.1-6.4) FINE TO COARSE SAND VERY LIGHT ORANGE ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 35% SHELL, <1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 0.20% FINES
7				
8				
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: IR-14
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 8.3 FT.	GEOLOGISTS: H. FREEDENBERG, B.CROSS, A. WILLETT

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-0.8) VERY FINE TO COARSE SAND YELLOWISH ORANGE TO LIGHT GRAY SUB-ANGULAR TO SUB-ROUNDED LOW SPHERICITY		SW	ACCESSORY MINERALS: 10% SHELL FRAG, 2% HEAVY MINERALS
1	(0.8-2.4) FINE TO VERY COARSE SAND YELLOWISH ORANGE TO LIGHT GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 60% SHELL FRAG, 1% HEAVY MINERALS
2	(2.4-3.0) VERY FINE TO COARSE SAND YELLOWISH ORANGE TO DARK GRAY SUB-ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 35% SHELL FRAG, 3% HEAVY MINERALS
3	(3.0-3.4) VERY FINE TO VERY COARSE SAND LIGHT BROWN TO DARK GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 45% SHELL FRAG, 2% HEAVY MINERALS
4	(3.4-3.7) VERY FINE TO COARSE SAND LIGHT BROWN TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 40% SHELL FRAG, 3% HEAVY MINERALS
5	(3.7-5.3) FINE TO COARSE SAND YELLOWISH ORANGE TO LIGHT GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 35% SHELL FRAG, 2% HEAVY MINERALS
6	(5.3-7.1) VERY FINE TO COARSE SAND LIGHT BROWN TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 40% SHELL FRAG, 1% HEAVY MINERALS
7	(7.1-8.3) VERY FINE TO COARSE SAND YELLOWISH ORANGE TO LIGHT GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 35% SHELL FRAG, 1% HEAVY MINERALS
8				
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST	BORING ID: SL-5
INSTALLATION DATE:	DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40 / TOTAL DEPTH: 5.2 FT.	GEOLOGISTS: H. FREEDENBERG, B. CROSS, A. WILLETT

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-1.0) VERY FINE TO COARSE SAND LIGHT BROWN TO YELLOWISH ORANGE SUB-ROUNDED TO ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 45% SHELL FRAG
1	(1.0-1.4) VERY FINE TO COARSE SAND YELLOWISH ORANGE TO LIGHT BROWN SUB-ROUNDED TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 50% SHELL FRAG
2	(1.4-2.3) VERY FINE TO COARSE SAND LIGHT BROWN TO YELLOWISH ORANGE SUB-ROUNDED TO ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 40% SHELL FRAG
3	(2.3-3.2) VERY FINE TO COARSE SAND LIGHT BROWN TO YELLOWISH ORANGE SUB-ANGULAR TO ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 40% SHELL FRAG
4	(3.2-4.3) VERY FINE TO COARSE SAND LIGHT BROWN TO YELLOWISH ORANGE SUB-ANGULAR TO ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 40% SHELL FRAG
5	(4.3-5.2) VERY FINE TO COARSE SAND LIGHT BROWN TO YELLOWISH ORANGE SUB-ANGULAR TO ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 40% SHELL FRAG
6				
7				
8				
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: SL-6
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 7.0 FT.	GEOLOGISTS: H. FREEDENBERG, B. CROSS, A. WILLETT

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-2.6) FINE TO MEDIUM SAND YELLOWISH ORANGE TO LIGHT GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 20% SHELL FRAG, 1% HEAVY MINERALS
1	(2.6-3.1) FINE TO VERY COARSE SAND LIGHT BROWN TO LIGHT GRAY SUB-ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 20% SHELL FRAG, 3% HEAVY MINERALS
2	(3.1-3.8) MEDIUM TO VERY COARSE SAND YELLOWISH ORANGE TO LIGHT GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 40% SHELL FRAG, 2% HEAVY MINERALS
3	(3.8-4.4) FINE TO COARSE SAND YELLOWISH ORANGE TO LIGHT GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 40% SHELL FRAG, 2% HEAVY MINERALS
4	(4.4-5.3) FINE TO VERY COARSE SAND YELLOWISH ORANGE TO LIGHT GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL FRAG, 1% HEAVY MINERALS
5	(5.3-7.0) FINE TO VERY COARSE SAND YELLOWISH ORANGE TO LIGHT GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 45% SHELL FRAG, 1% HEAVY MINERALS
6				
7				
8				
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: SL-7
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 5.8 FT.	GEOLOGISTS: H. FREEDENBERG, B. CROSS, A. WILLETT

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-1.5) VERY FINE TO COARSE SAND, LIGHT GRAY TO YELLOWISH ORANGE, SUB-ROUNDED TO ROUNDED, MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 1% HEAVY MINERALS
1	(1.5-2.6) FINE TO VERY COARSE SAND, LIGHT GRAY, SUB-ROUNDED TO ROUNDED, MEDIUM SPHERICITY			ACCESSORY MINERALS: 5% SHELL FRAG, 1% HEAVY MINERALS
2	(2.6-3.1) FINE TO VERY COARSE SAND, LIGHT GRAY TO YELLOWISH ORANGE, SUB-ROUNDED TO ROUNDED, MEDIUM SPHERICITY			ACCESSORY MINERALS: 3% SHELL FRAG, 1% HEAVY MINERALS
3	(3.1-4.8) VERY FINE TO VERY COARSE SAND, LIGHT GRAY, SUB-ANGULAR TO SUB-ROUNDED, MEDIUM SPHERICITY			ACCESSORY MINERALS: 2% SHELL FRAG, 1% HEAVY MINERALS
4	(4.8-5.0) VERY FINE TO COARSE SAND, LIGHT GRAY, SUB-ANGULAR TO WELL-ROUNDED, MEDIUM SPHERICITY			ACCESSORY MINERALS: 1% SHELL FRAG, 2% HEAVY MINERALS
5	(5.0-5.3) VERY FINE TO VERY COARSE SAND, LIGHT GRAY TO YELLOWISH ORANGE, SUB-ANGULAR TO ROUNDED, MEDIUM SPHERICITY			ACCESSORY MINERALS: 5% SHELL FRAG, 2% HEAVY MINERALS
6	(5.3-5.8) VERY FINE TO VERY COARSE SAND, LIGHT GRAY, SUB-ANGULAR TO ROUNDED, MEDIUM SPHERICITY			ACCESSORY MINERALS: 1% HEAVY MINERALS
7				
8				
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: SL-8
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 7.1 FT.	GEOLOGISTS: H. FREEDENBERG, B. CROSS, A. WILLETT

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-0.5) FINE TO COARSE SAND YELLOWISH ORANGE TO GREENISH GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY		SW	ACCESSORY MINERALS: 40% SHELL FRAG, 2% HEAVY MINERALS
1	(0.5-0.8) FINE TO COARSE SAND LIGHT GRAY TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 30% SHELL FRAG, 2% HEAVY MINERALS
2	(0.8-1.9) VERY FINE TO VERY COARSE SAND YELLOWISH ORANGE TO LIGHT GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 60% SHELL FRAG, 2% HEAVY MINERALS
3	(1.9-2.2) FINE TO VERY COARSE SAND YELLOWISH ORANGE TO GREENISH GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 30% SHELL FRAG, 2% HEAVY MINERALS
4	(2.2-2.4) VERY FINE TO VERY COARSE SAND LIGHT GRAY TO GREENISH GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 30% SHELL FRAG, 2% HEAVY MINERALS
5	(2.4-4.5) VERY FINE TO COARSE SAND LIGHT GRAY TO OLIVE GRAY SUB-ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL FRAG, 2% HEAVY MINERALS
6	(4.5-6.0) VERY FINE TO COARSE SAND LIGHT GRAY TO GREENISH GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 55% SHELL FRAG, 2% HEAVY MINERALS
7	(6.0-7.1) VERY FINE TO FINE PEAT DARK GRAY TO BLACK			ACCESSORY MINERALS: 5% QUARTZ SAND
8				
9				= PEAT LAYER

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: SL-9
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 4.3 FT.	GEOLOGISTS: H. FREEDENBERG, B. CROSS, A. WILLETT

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-0.5) FINE TO VERY COARSE SAND LIGHT GRAY TO GREENISH GRAY SUB-ANGULAR TO ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 1% HEAVY MINERALS
1				
	(0.5-2.1) FINE TO COARSE SAND LIGHT GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 1% HEAVY MINERALS
2				
	(2.1-2.6) FINE TO VERY COARSE SAND LIGHT GRAY TO YELLOWISH ORANGE SUB-ANGULAR TO WELL-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL FRAG, 1% HEAVY MINERALS
3				
	(2.6-3.4) FINE TO VERY COARSE SAND LIGHT GRAY SUB-ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 5% SHELL FRAG, 2% HEAVY MINERALS
4				
	(3.4-4.3) VERY FINE TO VERY COARSE SAND LIGHT GRAY TO GREENISH GRAY SUB-ANGULAR TO WELL-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 2% SHELL FRAG, 1% HEAVY MINERALS
5				
6				
7				
8				
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: M-4
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 7.1 FT.	GEOLOGISTS: H. FREEDENBERG, B. CROSS, A. WILLETT

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-0.5) VERY FINE TO COARSE SAND YELLOWISH ORANGE TO DARK GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 45% SHELL FRAG, 3% HEAVY MINERALS
1	(0.5-2.3) FINE TO COARSE SAND YELLOWISH ORANGE TO DARK GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 60% SHELL FRAG, 2% HEAVY MINERALS
2	(2.3-3.1) VERY FINE TO VERY COARSE SAND YELLOWISH ORANGE TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 60% SHELL FRAG, 3% HEAVY MINERALS
3	(3.1-3.7) VERY FINE TO COARSE SAND GREENISH GRAY TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 55% SHELL FRAG, 3% HEAVY MINERALS
4	(3.7-4.5) VERY FINE TO VERY COARSE YELLOWISH ORANGE TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 55% SHELL FRAG, 2% HEAVY MINERALS
5	(4.5-5.5) VERY FINE TO COARSE SAND YELLOWISH ORANGE TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 45% SHELL FRAG, 2% HEAVY MINERALS
6	(5.5-6.8) VERY FINE TO COARSE SAND YELLOWISH ORANGE TO DARK GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 40% SHELL FRAG, 3% HEAVY MINERALS
7	(6.8-7.1) VERY FINE TO MEDIUM SAND GREENISH GRAY TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 45% SHELL FRAG, 2% HEAVY MINERALS
8				
9				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: M-5
INSTALLATION DATE:		DRILLING METHOD: PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 7.9 FT.	GEOLOGISTS: H. FREEDENBERG, B. CROSS, A. WILLETT

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-0.7) VERY FINE TO COARSE SAND GREENISH GRAY TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 40% SHELL FRAG, 3% HEAVY MINERALS
1	(0.7-1.7) VERY FINE TO COARSE SAND GREENISH GRAY TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL FRAG, 3% HEAVY MINERALS
2	(1.7-2.1) VERY FINE TO COARSE SAND GREENISH GRAY TO DARK GRAY SUB-ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL FRAG, 3% HEAVY MINERALS
3	(2.1-2.6) VERY FINE TO COARSE SAND GREENISH GRAY TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL FRAG, 1% HEAVY MINERALS
4	(2.6-4.0) VERY FINE TO COARSE SAND GREENISH GRAY TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 35% SHELL FRAG, 2% HEAVY MINERALS
5	(4.0-5.1) VERY FINE TO COARSE SAND GREENISH GRAY TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 45% SHELL FRAG, 2% HEAVY MINERALS
	(5.1-5.6) VERY FINE TO COARSE SAND GREENISH GRAY TO OLIVE GRAY SUB-ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 30% SHELL FRAG, 1% HEAVY MINERALS
6	(5.6-6.3) VERY FINE TO MEDIUM SAND OLIVE GRAY TO LIGHT GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 20% SHELL FRAG, 1% HEAVY MINERALS
7	(6.3-7.1) VERY FINE TO MEDIUM SAND GREENISH GRAY TO LIGHT GRAY SUB-ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 15% SHELL FRAG, 2% HEAVY MINERALS
8	(7.1-7.3) VERY FINE TO COARSE SAND GREENISH GRAY TO LIGHT GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL FRAG, 1% HEAVY MINERALS
9	(7.3-7.4) VERY FINE TO COARSE SAND GREENISH GRAY TO LIGHT GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 35% SHELL FRAG, 1% HEAVY MINERALS
	(7.4-7.9) VERY FINE TO COARSE SAND GREENISH GRAY TO LIGHT GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 40% SHELL FRAG, 1% HEAVY MINERALS

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: M-6
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 5.8 FT.	GEOLOGISTS: H. FREEDENBERG, B. CROSS, A. WILLETT

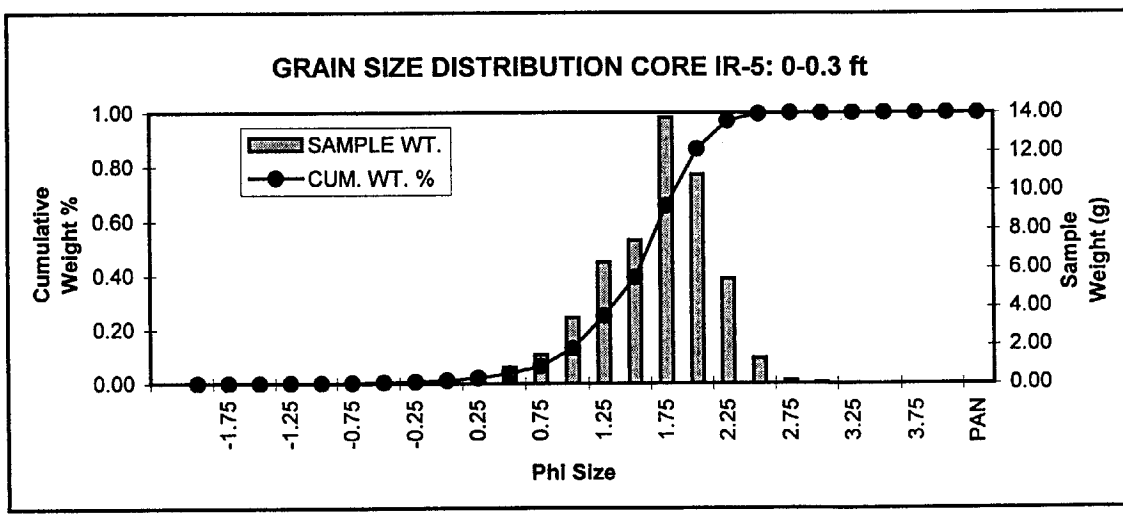
DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-0.5) VERY FINE TO COARSE SAND GREENISH GRAY TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED LOW SPHERICITY		SW	ACCESSORY MINERALS: 25% SHELL FRAG, 1% HEAVY MINERALS
1	(0.5-2.3) FINE TO VERY COARSE SAND GREENISH GRAY TO OLIVE GRAY SUB-ANGULAR TO SUB-ROUNDED MEDIUM SPHERICTIY			ACCESSORY MINERALS: 355 SHELL FRAG, 2% HEAVY MINERALS
2	(2.3-2.6) VERY FINE TO VERY COARSE SAND GREENISH GRAY TO DARK GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL FRAG, 1% HEAVY MINERALS
3	(2.6-3.6) VERY FINE TO VERY COARSE SAND GREENISH GRAY TO DARK GRAY SUB-ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL FRAG, 1% HEAVY MINERALS
4	(3.6-3.9) VERY FINE TO VERY COARSE SAND GREENISH GRAY TO DARK GRAY SUB-ANGUALR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 45% SHELL FRAG, 1% HEAVY MINERALS
5	(3.9-4.6) VERY FINE TO VERY COARSE GREENISH GRAY TO DARK GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL FRAG, 1% HEAVY MINERALS
6	(4.6-5.8) VERY FINE TO VERY COARSE GREENISH GRAY TO DARK GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 40% SHELL FRAG, 1% HEAVY MINERALS
7				
8				
9				

GRAIN SIZE DISTRIBUTION CHART

CORE IR-5: 0-0.3 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0.042	0.042	0.00080634	0.00080634
-1.00	0.026	0.068	0.00049916	0.00130551
-0.75	0.061	0.087	0.00117112	0.00247663
-0.50	0.095	0.182	0.00182387	0.00430050
-0.25	0.171	0.353	0.00328297	0.00758347
0.00	0.252	0.605	0.00483806	0.01242153
0.25	0.442	1.047	0.00848580	0.02090733
0.50	0.832	1.879	0.01597328	0.03688060
0.75	1.492	3.371	0.02864438	0.06552499
1.00	3.422	6.793	0.06569777	0.13122276
1.25	6.292	13.085	0.12079790	0.25202066
1.50	7.430	20.515	0.14264596	0.39466662
1.75	13.741	34.256	0.26380863	0.65847524
2.00	10.785	45.041	0.20705742	0.86553267
2.25	5.428	50.469	0.10421026	0.96974293
2.50	1.326	51.795	0.02545741	0.99520034
2.75	0.171	51.966	0.00328297	0.99848331
3.00	0.044	52.010	0.00084474	0.99932805
3.25	0.015	52.025	0.00028798	0.99961603
3.50	0.006	52.031	0.00011519	0.99973122
3.75	0.003	52.034	0.00005760	0.99978881
4.00	0.003	52.037	0.00005760	0.99984641
PAN	0.008	52.045	0.00015359	1.0

TOTAL WT.	52.087	grams	
MEDIAN WT.	26.044	grams	
MEAN GRAIN SIZE	1.6	phi	0.3299 mm

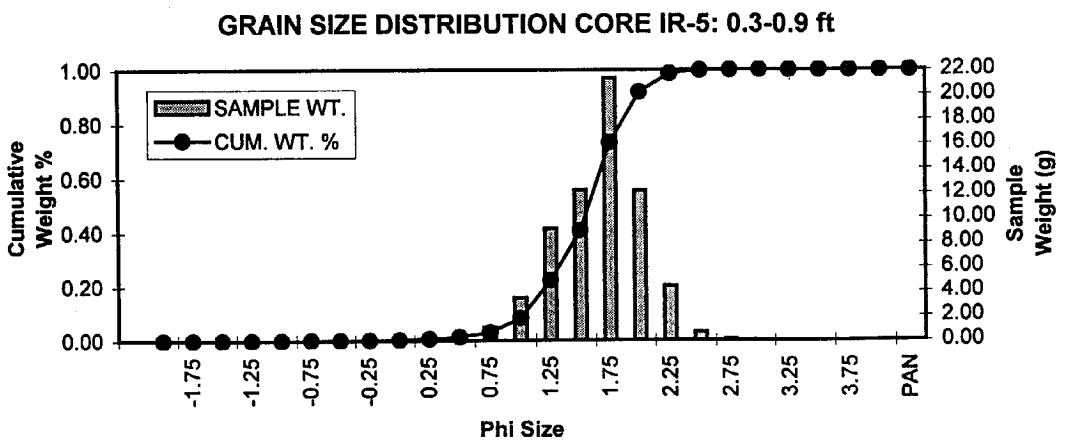


GRAIN SIZE DISTRIBUTION CHART

CORE IR-5: 0.3-0.9 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0	0	0	0
-1.00	0.026	0.026	0.00039436	0.00039436
-0.75	0.027	0.053	0.00040953	0.00080388
-0.50	0.041	0.094	0.00062187	0.00142575
-0.25	0.045	0.139	0.00068254	0.00210830
0.00	0.085	0.224	0.00128925	0.00339754
0.25	0.206	0.430	0.00312453	0.00652207
0.50	0.507	0.937	0.00768997	0.01421204
0.75	1.112	2.049	0.01686637	0.03107842
1.00	3.498	5.547	0.05305627	0.08413469
1.25	9.169	14.716	0.13907174	0.22320643
1.50	12.261	26.977	0.18596997	0.40917640
1.75	21.351	48.328	0.32384347	0.73301987
2.00	12.223	60.551	0.18539360	0.91841347
2.25	4.478	65.029	0.06792052	0.98633399
2.50	0.715	65.744	0.01084484	0.99717883
2.75	0.120	65.864	0.00182011	0.99899894
3.00	0.042	65.906	0.00063704	0.99963598
3.25	0.013	65.919	0.00019718	0.99983316
3.50	0.003	65.922	0.00004550	0.99987866
3.75	0.001	65.923	0.00001517	0.99989383
4.00	0.000	65.923	0.00000000	0.99989383
PAN	0.007	65.930	0.00010617	1.0

TOTAL WT.	65.930	grams	
MEDIAN WT.	32.965	grams	
MEAN GRAIN SIZE	1.57	phi	o.3368 mm

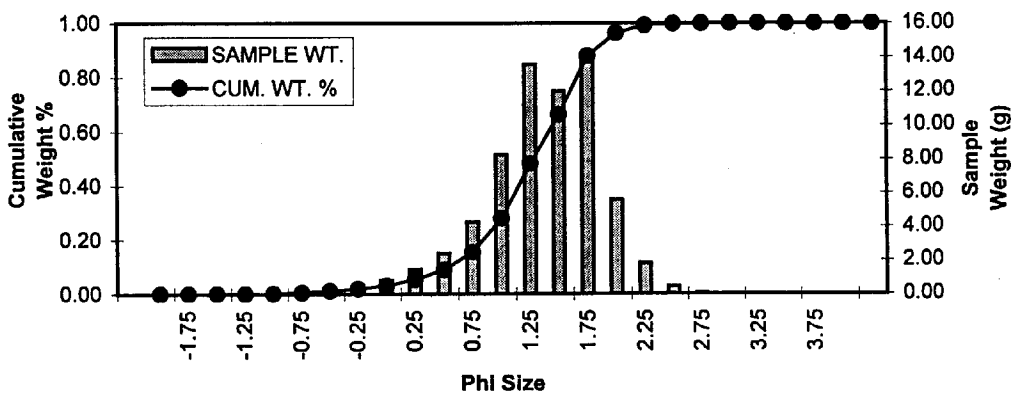


GRAIN SIZE DISTRIBUTION CHART

CORE IR-5: 0.9-2.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0.044	0.044	0.000664362	0.000664362
-1.25	0.069	0.113	0.001041840	0.001706201
-1.00	0.078	0.191	0.001177732	0.002883933
-0.75	0.211	0.402	0.003185916	0.006069849
-0.50	0.381	0.783	0.005752767	0.011822615
-0.25	0.520	1.303	0.007851545	0.019674161
0.00	0.824	2.127	0.012441680	0.032115840
0.25	1.438	3.565	0.021712543	0.053828383
0.50	2.412	5.977	0.036419091	0.090247475
0.75	4.255	10.232	0.064246780	0.154494255
1.00	8.228	18.460	0.124235607	0.278729862
1.25	13.554	32.014	0.204653551	0.483383412
1.50	11.993	44.007	0.181083815	0.664467227
1.75	14.244	58.251	0.215071947	0.879539175
2.00	5.583	63.834	0.084298419	0.963837594
2.25	1.821	65.655	0.027495508	0.991333102
2.50	0.431	66.086	0.006507723	0.997840825
2.75	0.082	66.168	0.001238128	0.999078953
3.00	0.022	66.190	0.000332181	0.999411134
3.25	0.010	66.200	0.000150991	0.999562125
3.50	0.006	66.206	0.000090595	0.999652720
3.75	0.007	66.213	0.000105694	0.999758414
4.00	0.004	66.217	0.000060397	0.999818810
PAN	0.012	66.229	0.000181190	1.0

TOTAL WT.	66.229	grams	
MEDIAN WT.	33.115	grams	
MEAN GRAIN SIZE	1.27	phi	0.4147 mm

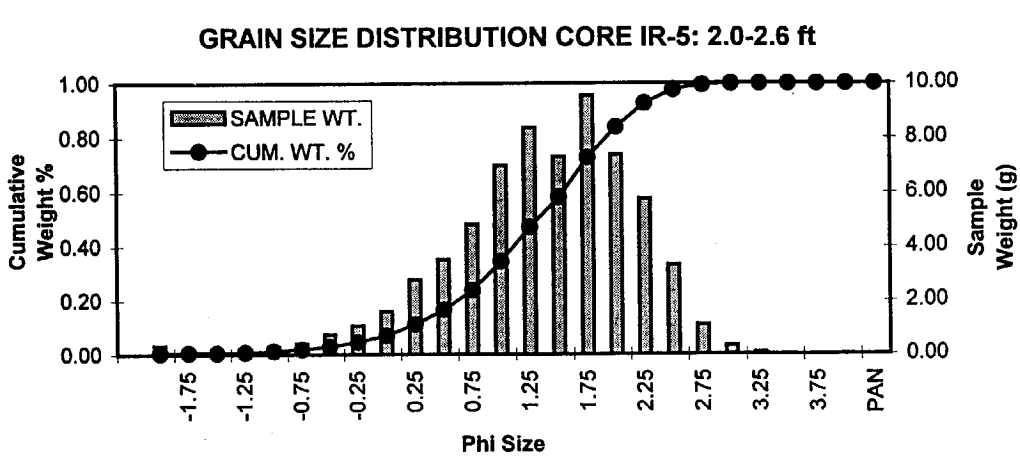


GRAIN SIZE DISTRIBUTION CHART

CORE IR-5: 2.0-2.6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.325	0.325	0.004922602	0.004922602
-1.75	0.035	0.360	0.000530126	0.005452728
-1.50	0.000	0.360	0	0.005452728
-1.25	0.208	0.568	0.003150465	0.008603193
-1.00	0.280	0.848	0.004241011	0.012844203
-0.75	0.406	1.254	0.006149465	0.018993669
-0.50	0.733	1.987	0.011102360	0.030096029
-0.25	1.077	3.064	0.016312744	0.046408773
0.00	1.600	4.664	0.024234346	0.070643119
0.25	2.783	7.447	0.042152616	0.112795735
0.50	3.532	10.979	0.053497319	0.166293054
0.75	4.831	15.810	0.073172579	0.239465633
1.00	6.998	22.808	0.105994971	0.345460604
1.25	8.355	31.163	0.126548726	0.472009330
1.50	7.305	38.468	0.110644937	0.582654267
1.75	9.552	48.020	0.144679046	0.727333313
2.00	7.389	55.409	0.111917240	0.839250553
2.25	5.764	61.173	0.087304232	0.926554785
2.50	3.322	64.495	0.050316561	0.976871346
2.75	1.116	65.611	0.016903456	0.993774802
3.00	0.302	65.913	0.004574233	0.998349035
3.25	0.061	65.974	0.000923934	0.999272970
3.50	0.017	65.991	0.000257490	0.999530460
3.75	0.012	66.003	0.000181758	0.999712217
4.00	0.006	66.009	0.000090879	0.999803096
PAN	0.013	66.022	0.000196904	1.0

TOTAL WT.	66.022	grams	
MEDIAN WT.	33.011	grams	
MEAN GRAIN SIZE	1.38	phi	0.3842 mm

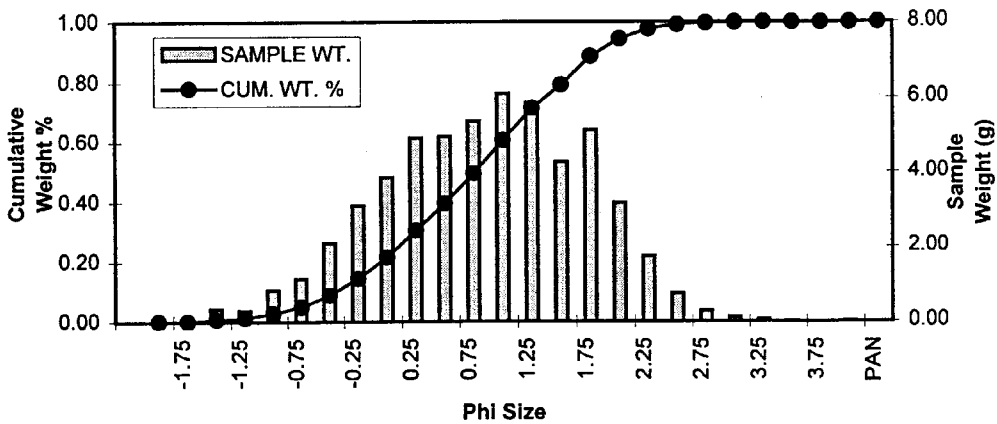


GRAIN SIZE DISTRIBUTION CHART

CORE IR-5: 2.6-3.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.069	0.069	0.00126471	0.001264709
-1.75	0.000	0.069	0.00000000	0.001264709
-1.50	0.346	0.415	0.00634187	0.007606584
-1.25	0.296	0.711	0.00542542	0.013032003
-1.00	0.846	1.557	0.01550643	0.028538436
-0.75	1.149	2.706	0.02106016	0.049598592
-0.50	2.103	4.809	0.03854613	0.088144727
-0.25	3.100	7.909	0.05682026	0.144964991
0.00	3.862	11.771	0.07078705	0.215752044
0.25	4.913	16.684	0.09005095	0.305802999
0.50	4.961	21.645	0.09093075	0.396733751
0.75	5.372	27.017	0.09846402	0.495197771
1.00	6.110	33.127	0.11199091	0.60718868
1.25	5.862	38.989	0.10744529	0.714633968
1.50	4.277	43.266	0.07839364	0.793027604
1.75	5.116	48.382	0.09377177	0.886799369
2.00	3.169	51.551	0.05808497	0.944884343
2.25	1.748	53.299	0.03203930	0.976923641
2.50	0.750	54.049	0.01374684	0.99067048
2.75	0.270	54.319	0.00494886	0.99561934
3.00	0.117	54.436	0.00214451	0.99776385
3.25	0.051	54.487	0.00093478	0.99869863
3.50	0.019	54.506	0.00034825	0.99904689
3.75	0.000	54.506	0.00000000	0.99904689
4.00	0.013	54.519	0.00023828	0.99928516
PAN	0.039	54.558	0.00071484	1.0

TOTAL WT.	54.558	grams	
MEDIAN WT.	27.279	grams	
MEAN GRAIN SIZE	0.76	phi	0.5905 mm

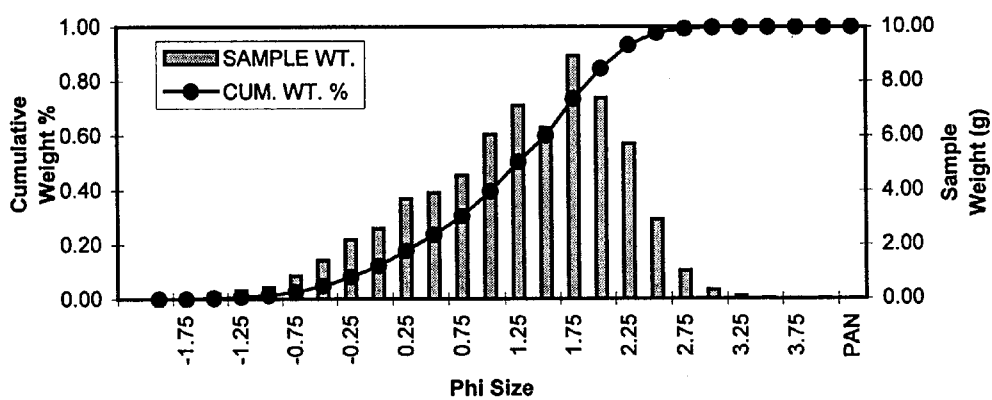


GRAIN SIZE DISTRIBUTION CHART

CORE IR-5: 3.0-3.3 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0.208	0.208	0.003150036	0.003150036
-1.25	0.319	0.527	0.004831064	0.007981100
-1.00	0.426	0.953	0.006451515	0.014432615
-0.75	0.854	1.807	0.012933319	0.027365934
-0.50	1.420	3.227	0.021505051	0.048870985
-0.25	2.188	5.415	0.033135951	0.082006936
0.00	2.601	8.016	0.039390589	0.121397525
0.25	3.697	11.713	0.055988854	0.177386379
0.50	3.907	15.620	0.059169178	0.236555557
0.75	4.560	20.180	0.069058473	0.305614030
1.00	6.036	26.216	0.091411610	0.397025639
1.25	7.103	33.319	0.107570686	0.504596326
1.50	6.279	39.598	0.095091699	0.599688025
1.75	8.934	48.532	0.135300086	0.734988112
2.00	7.367	55.899	0.111568809	0.846556920
2.25	5.707	61.606	0.086429101	0.932986022
2.50	2.915	64.521	0.044145931	0.977131953
2.75	1.033	65.554	0.015644167	0.992776120
3.00	0.325	65.879	0.004921931	0.997698051
3.25	0.081	65.960	0.001226697	0.998924747
3.50	0.022	65.982	0.000333177	0.999257924
3.75	0.016	65.998	0.000242310	0.999500235
4.00	0.009	66.007	0.000136300	0.999636534
PAN	0.024	66.031	0.000363466	1.0

TOTAL WT.	66.031	grams	
MEDIAN WT.	33.016	grams	
MEAN GRAIN SIZE	1.24	phi	0.4234 mm

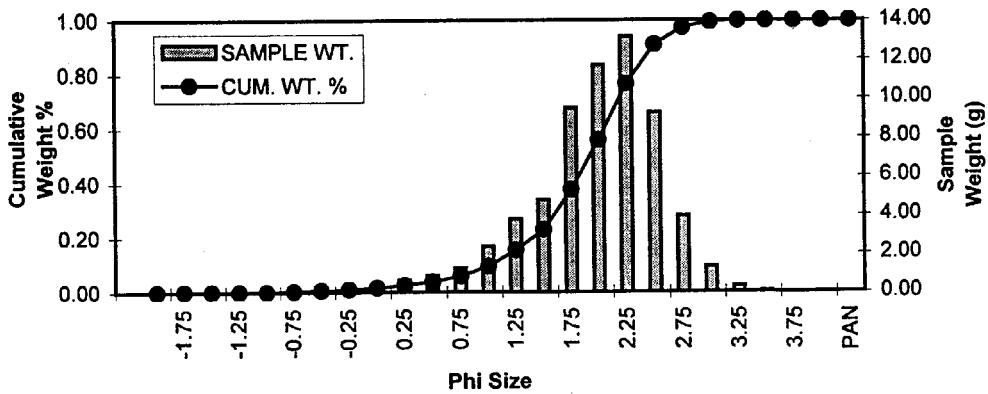


GRAIN SIZE DISTRIBUTION CHART

CORE IR-5: 3.3-3.7 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0.038	0.038	0.000595089	0.000595089
-1.50	0	0.038	0	0.000595089
-1.25	0.019	0.057	0.000297544	0.000892633
-1.00	0.033	0.090	0.000516788	0.001409421
-0.75	0.120	0.210	0.001879228	0.003288649
-0.50	0.208	0.418	0.003257329	0.006545978
-0.25	0.268	0.686	0.004196943	0.010742922
0.00	0.358	1.044	0.005606364	0.016349286
0.25	0.624	1.668	0.009771987	0.026121273
0.50	0.861	2.529	0.013483463	0.039604736
0.75	1.261	3.790	0.019747557	0.059352293
1.00	2.347	6.137	0.036754573	0.096106865
1.25	3.756	9.893	0.058819845	0.154926710
1.50	4.744	14.637	0.074292157	0.229218867
1.75	9.475	24.112	0.148380732	0.377599599
2.00	11.700	35.812	0.183224756	0.560824355
2.25	13.152	48.964	0.205963418	0.766787772
2.50	9.241	58.205	0.144716237	0.911504009
2.75	3.945	62.150	0.061779629	0.973283638
3.00	1.306	63.456	0.020452268	0.993735906
3.25	0.295	63.751	0.004619769	0.998355675
3.50	0.047	63.798	0.000736031	0.999091706
3.75	0.021	63.819	0.000328865	0.999420571
4.00	0.014	63.833	0.000219243	0.999639815
PAN	0.023	63.856	0.000360185	1.0

TOTAL WT.	63.856	grams	
MEDIAN WT.	31.928	grams	
MEAN GRAIN SIZE	1.92	phi	0.2643 mm

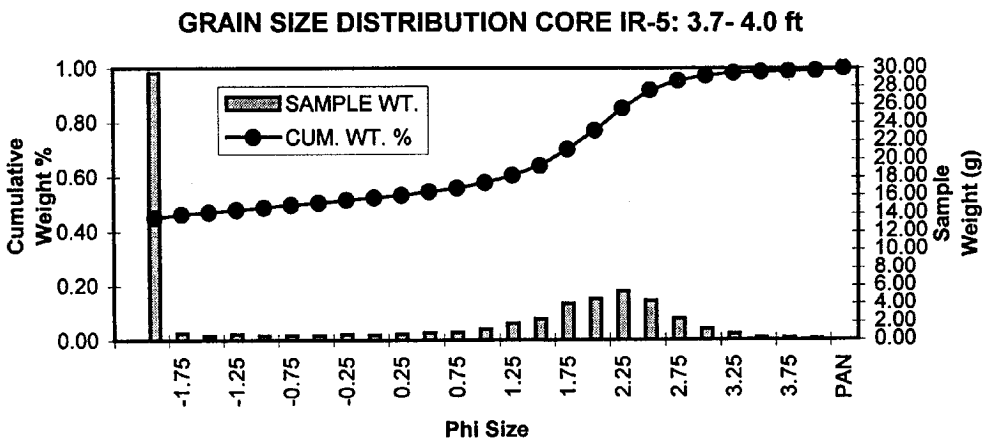


GRAIN SIZE DISTRIBUTION CHART

CORE IR-5: 3.7-4.0 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	29.466	29.466	0.451960243	0.451960243
-1.75	0.776	30.242	0.011902571	0.463862814
-1.50	0.452	30.694	0.006932941	0.470795754
-1.25	0.667	31.361	0.010230689	0.481026443
-1.00	0.515	31.876	0.007899258	0.488925701
-0.75	0.583	32.459	0.008942266	0.497867967
-0.50	0.547	33.006	0.008390085	0.506258053
-0.25	0.647	33.653	0.009923922	0.516181974
0.00	0.560	34.213	0.008589484	0.524771458
0.25	0.622	34.835	0.009540463	0.534311921
0.50	0.820	35.655	0.012577459	0.546889380
0.75	0.859	36.514	0.013175655	0.560065035
1.00	1.196	37.710	0.018344684	0.578409718
1.25	1.805	39.515	0.027685748	0.606095466
1.50	2.273	41.788	0.034864102	0.640959568
1.75	3.993	45.781	0.061246089	0.702205657
2.00	4.459	50.240	0.068393766	0.770599423
2.25	5.317	55.557	0.081554083	0.852153506
2.50	4.292	59.849	0.065832260	0.917985766
2.75	2.321	62.170	0.035600344	0.953586110
3.00	1.207	63.377	0.018513406	0.972099515
3.25	0.657	64.034	0.010077305	0.982176821
3.50	0.249	64.283	0.003819253	0.985996073
3.75	0.237	64.520	0.003635192	0.989631266
4.00	0.118	64.638	0.001809927	0.991441193
PAN	0.558	65.196	0.008558807	1.0

TOTAL WT.	65.196	grams	
MEDIAN WT.	32.598	grams	
MEAN GRAIN SIZE	-0.69	phi	1.6133 mm

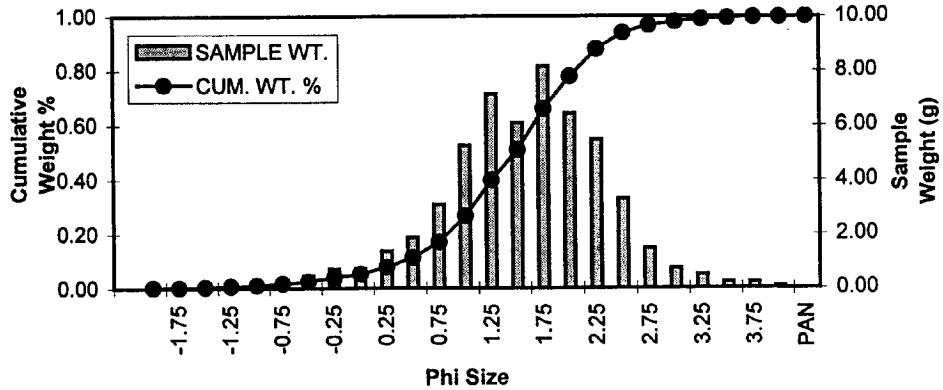


GRAIN SIZE DISTRIBUTION CHART

CORE IR-5: 4.0 - 4.6 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.099	0.099	0.001821293	0.001821293
-1.75	0.056	0.155	0.001030226	0.002851519
-1.50	0.124	0.279	0.002281215	0.005132734
-1.25	0.165	0.444	0.003035488	0.008168221
-1.00	0.225	0.669	0.004139301	0.012307522
-0.75	0.315	0.984	0.005795022	0.018102544
-0.50	0.460	1.444	0.008462572	0.026565116
-0.25	0.714	2.158	0.013135383	0.039700499
0.00	0.749	2.907	0.013779274	0.053479773
0.25	1.367	4.274	0.025148555	0.078628328
0.50	1.877	6.151	0.034530971	0.113159299
0.75	3.094	9.245	0.056919992	0.170079291
1.00	5.269	14.514	0.096933238	0.267012528
1.25	7.136	21.650	0.131280240	0.398292768
1.50	6.084	27.734	0.111926707	0.510219475
1.75	8.155	35.889	0.150026675	0.660246150
2.00	6.423	42.312	0.118163254	0.778409404
2.25	5.462	47.774	0.100483838	0.878893243
2.50	3.306	51.080	0.060820134	0.939713376
2.75	1.464	52.544	0.026933054	0.966646430
3.00	0.728	53.272	0.013392939	0.980039369
3.25	0.487	53.759	0.008959288	0.988998657
3.50	0.220	53.979	0.004047317	0.993045974
3.75	0.205	54.184	0.003771363	0.996817337
4.00	0.076	54.260	0.001398164	0.998215501
PAN	0.097	54.357	0.001784499	1.0

TOTAL WT.	54.357	grams	
MEDIAN WT.	27.179	grams	
MEAN GRAIN SIZE	1.48	phi	0.3585 mm

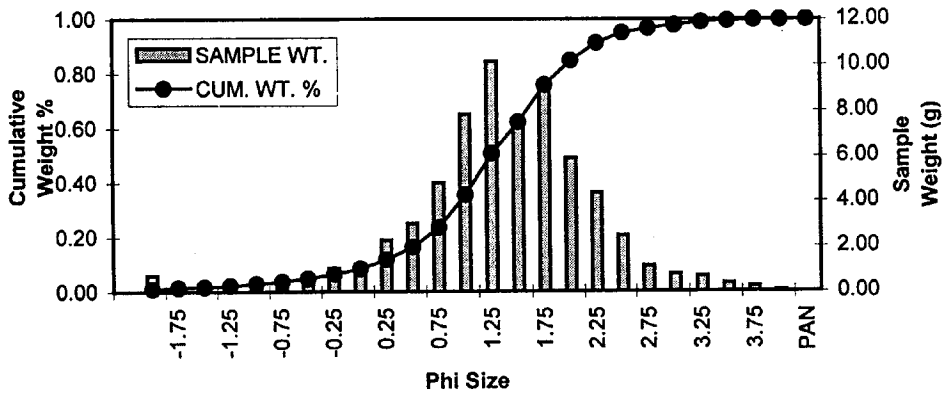


GRAIN SIZE DISTRIBUTION CHART

CORE IR-5: 4.6-5.6 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.714	0.714	0.010808192	0.010808192
-1.75	0.292	1.006	0.004420157	0.015228350
-1.50	0.167	1.173	0.002527967	0.017756316
-1.25	0.297	1.470	0.004495845	0.022252161
-1.00	0.457	1.927	0.006917849	0.029170010
-0.75	0.545	2.472	0.008249951	0.037419960
-0.50	0.772	3.244	0.011686169	0.049106129
-0.25	1.049	4.293	0.015879263	0.064985392
0.00	1.228	5.521	0.018588880	0.083574272
0.25	2.277	7.798	0.034468143	0.118042415
0.50	2.995	10.793	0.045336886	0.163379301
0.75	4.795	15.588	0.072584430	0.235963730
1.00	7.830	23.418	0.118526816	0.354490547
1.25	10.119	33.537	0.153176609	0.507667156
1.50	7.605	41.142	0.115120873	0.622788029
1.75	8.948	50.090	0.135450568	0.758238598
2.00	5.879	55.969	0.088993506	0.847232104
2.25	4.342	60.311	0.065727131	0.912959235
2.50	2.453	62.764	0.037132347	0.950091582
2.75	1.137	63.901	0.017211365	0.967302947
3.00	0.768	64.669	0.011625619	0.978928566
3.25	0.678	65.347	0.010263242	0.989191808
3.50	0.348	65.695	0.005267858	0.994459666
3.75	0.230	65.925	0.003481631	0.997941297
4.00	0.073	65.998	0.001105039	0.999046336
PAN	0.063	66.061	0.000953664	1.0

TOTAL WT.	66.061	grams	
MEDIAN WT.	33.031	grams	
MEAN GRAIN SIZE	1.24	phi	0.4234 mm

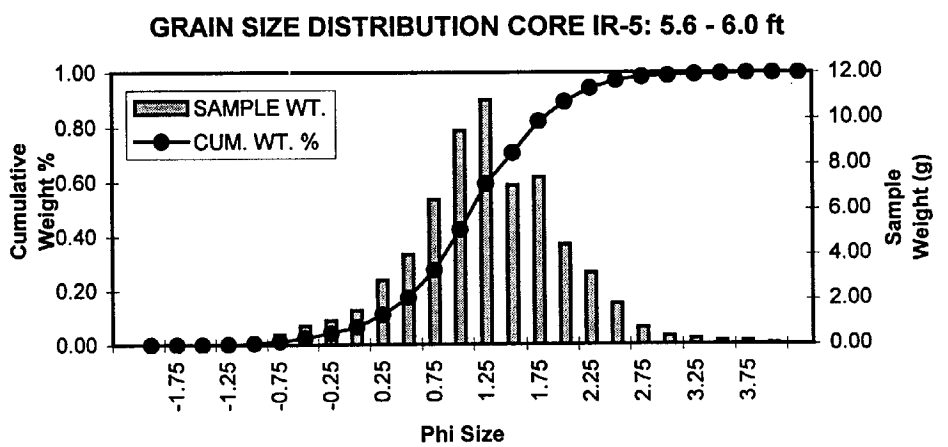


GRAIN SIZE DISTRIBUTION CHART

CORE IR-5: 5.6 - 6.0 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.021	0.021	0.000331706	0.000331706
-1.25	0.059	0.080	0.000931937	0.001263643
-1.00	0.221	0.301	0.003490815	0.004754458
-0.75	0.443	0.744	0.006997425	0.011751884
-0.50	0.828	1.572	0.013078709	0.024830593
-0.25	1.066	2.638	0.016838048	0.041668641
0.00	1.518	4.156	0.023977634	0.065646275
0.25	2.820	6.976	0.044543430	0.110189704
0.50	3.977	10.953	0.062818873	0.173008577
0.75	6.419	17.372	0.101391587	0.274400164
1.00	9.426	26.798	0.148888784	0.423288948
1.25	10.775	37.573	0.170196970	0.593485918
1.50	7.043	44.616	0.111248006	0.704733924
1.75	7.413	52.029	0.117092357	0.821826281
2.00	4.431	56.460	0.069990049	0.891816329
2.25	3.187	59.647	0.050340394	0.942156723
2.50	1.821	61.468	0.028763683	0.970920406
2.75	0.764	62.232	0.012067794	0.982988201
3.00	0.360	62.592	0.005686395	0.988674596
3.25	0.259	62.851	0.004091046	0.992765642
3.50	0.160	63.011	0.002527287	0.995292928
3.75	0.145	63.156	0.002290354	0.997583282
4.00	0.060	63.216	0.000947733	0.998531015
PAN	0.093	63.309	0.001468985	1.0

TOTAL WT.	63.309	grams	
MEDIAN WT.	31.655	grams	
MEAN GRAIN SIZE	1.11	phi	0.4633 mm

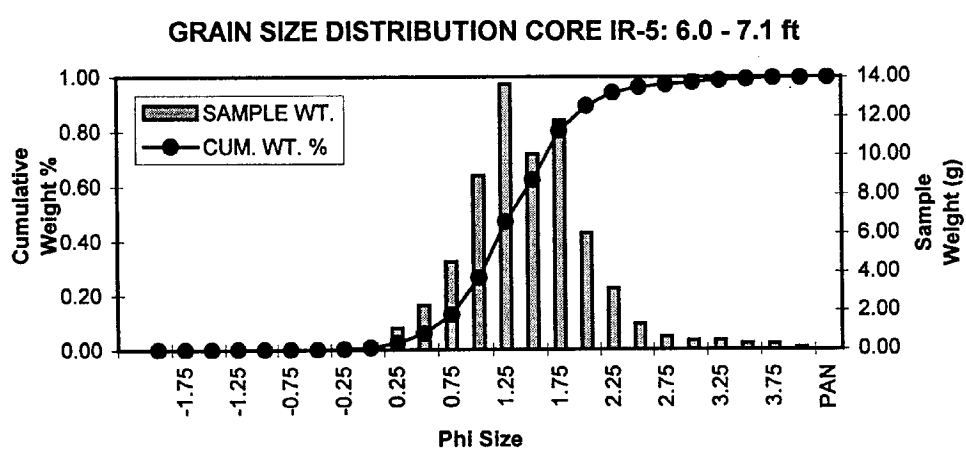


GRAIN SIZE DISTRIBUTION CHART

CORE IR-5: 6.0 - 7.1 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.047	0.047	0.000713657	0.000713657
-1.00	0.000	0.047	0.000000000	0.000713657
-0.75	0.000	0.047	0.000000000	0.000713657
-0.50	0.042	0.089	0.000637736	0.001351392
-0.25	0.119	0.208	0.001806918	0.003158310
0.00	0.331	0.539	0.005025965	0.008184275
0.25	1.121	1.660	0.017021470	0.025205746
0.50	2.302	3.962	0.034953992	0.060159738
0.75	4.546	8.508	0.069027301	0.129187039
1.00	8.950	17.458	0.135898448	0.265085487
1.25	13.616	31.074	0.206747851	0.471833338
1.50	10.059	41.133	0.152737708	0.624571047
1.75	11.777	52.910	0.178824137	0.803395184
2.00	6.038	58.948	0.091682104	0.895077287
2.25	3.144	62.092	0.047739075	0.942816362
2.50	1.325	63.417	0.020119044	0.962935406
2.75	0.677	64.094	0.010279693	0.973215099
3.00	0.483	64.577	0.007333961	0.980549060
3.25	0.478	65.055	0.007258040	0.987807100
3.50	0.313	65.368	0.004752650	0.992559750
3.75	0.300	65.668	0.004555255	0.997115005
4.00	0.111	65.779	0.001685444	0.998800449
PAN	0.079	65.858	0.001199551	1.0

TOTAL WT.	65.858	grams	
MEDIAN WT.	32.929	grams	
MEAN GRAIN SIZE	1.3	phi	0.4061 mm

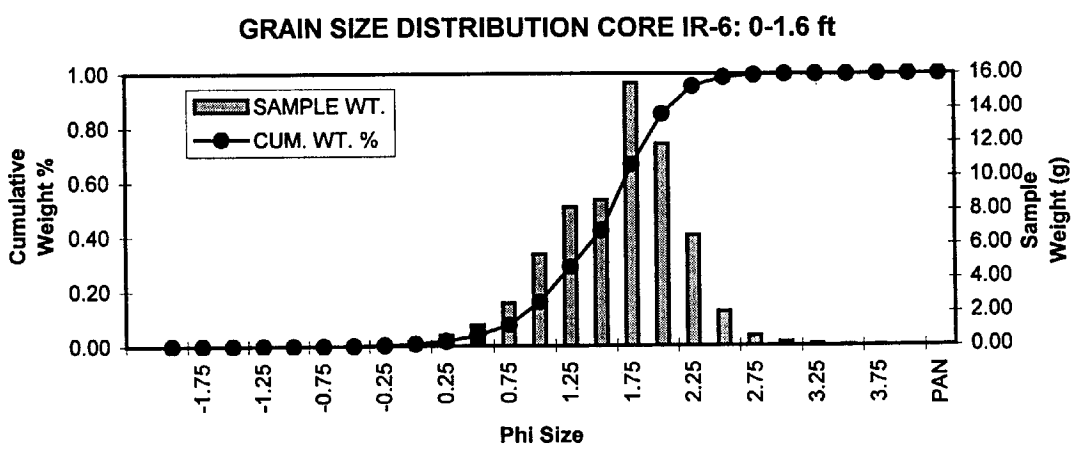


GRAIN SIZE DISTRIBUTION CHART

CORE IR-6: 0-1.6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0	0	0	0
-1.00	0.011	0.011	0.000172527	0.000172527
-0.75	0.021	0.032	0.000329370	0.000501898
-0.50	0.068	0.100	0.001066533	0.001568431
-0.25	0.141	0.241	0.002211487	0.003779918
0.00	0.280	0.521	0.004391606	0.008171524
0.25	0.634	1.155	0.009943850	0.018115374
0.50	1.237	2.392	0.019401487	0.037516861
0.75	2.525	4.917	0.039602873	0.077119734
1.00	5.381	10.298	0.084397252	0.161516986
1.25	8.161	18.459	0.127999624	0.289516610
1.50	8.570	27.029	0.134414505	0.423931115
1.75	15.450	42.479	0.242322532	0.666253647
2.00	11.848	54.327	0.185827661	0.852081307
2.25	6.506	60.833	0.102042097	0.954123404
2.50	2.004	62.837	0.031431350	0.985554754
2.75	0.541	63.378	0.008485210	0.994039964
3.00	0.203	63.581	0.003183914	0.997223878
3.25	0.088	63.669	0.001380219	0.998604097
3.50	0.035	63.704	0.000548951	0.999153047
3.75	0.024	63.728	0.000376423	0.999529471
4.00	0.011	63.739	0.000172527	0.999701998
PAN	0.019	63.758	0.000298002	1.0

TOTAL WT.	63.758	grams	
MEDIAN WT.	31.879	grams	
MEAN GRAIN SIZE	1.578	phi	0.3348 mm

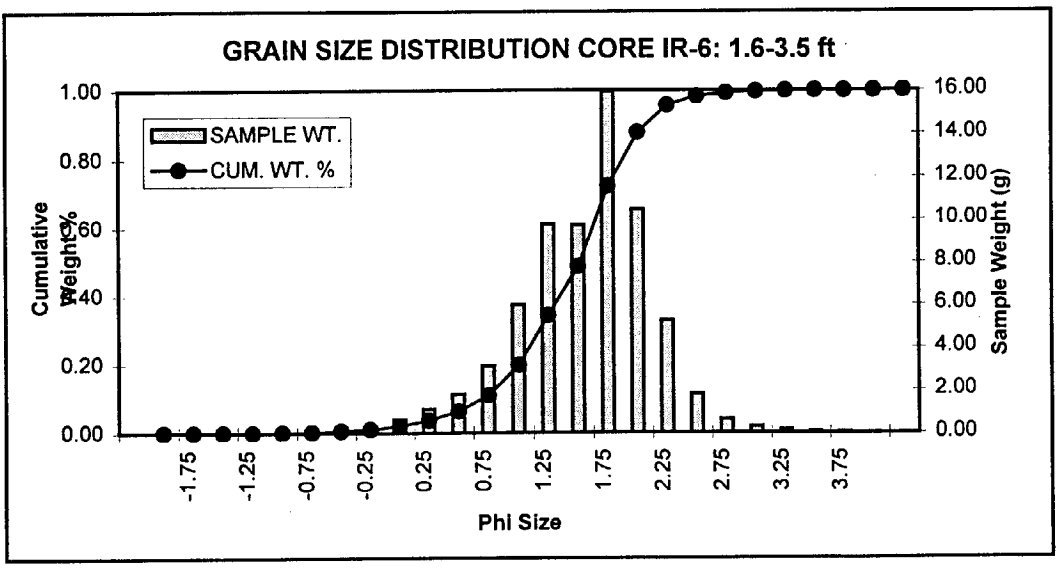


GRAIN SIZE DISTRIBUTION CHART

CORE IR6: 1.6 - 3.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0.030	0.030	0.000444800	0.000444800
-1.00	0.017	0.047	0.000252053	0.000696854
-0.75	0.096	0.143	0.001423361	0.002120215
-0.50	0.258	0.401	0.003825282	0.005945497
-0.25	0.301	0.702	0.004462830	0.010408327
0.00	0.615	1.317	0.009118406	0.019526732
0.25	1.114	2.431	0.016516917	0.036043650
0.50	1.794	4.225	0.026599057	0.062642707
0.75	3.121	7.346	0.046274056	0.108916763
1.00	5.960	13.306	0.088366990	0.197283753
1.25	9.770	23.076	0.144856626	0.342140379
1.50	9.725	32.801	0.144189426	0.486329805
1.75	15.946	48.747	0.236426178	0.722755983
2.00	10.473	59.220	0.155279779	0.878035762
2.25	5.251	64.471	0.077854876	0.955890638
2.50	1.789	66.260	0.026524924	0.982415562
2.75	0.621	66.881	0.009207366	0.991622928
3.00	0.284	67.165	0.004210776	0.995833704
3.25	0.140	67.305	0.002075735	0.997909439
3.50	0.062	67.367	0.000919254	0.998828693
3.75	0.047	67.414	0.000696854	0.999525546
4.00	0.014	67.428	0.000207573	0.999733120
PAN	0.018	67.446	0.000266880	1.0

TOTAL WT.	67.446	grams	
MEDIAN WT.	33.723	grams	
MEAN GRAIN SIZE	1.314	phi	0.3500 mm

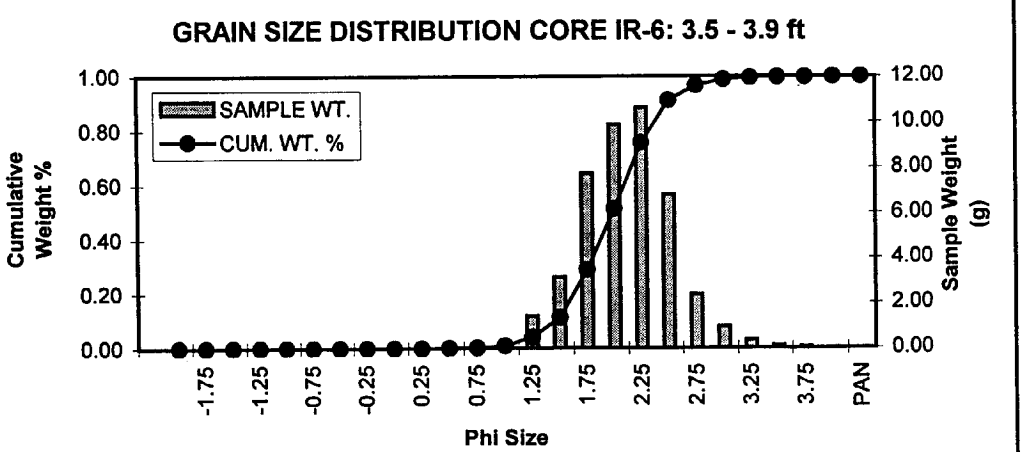


GRAIN SIZE DISTRIBUTION CHART

CORE IR6: 3.5 - 3.9 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0	0	0	0
-1.00	0	0	0	0
-0.75	0	0	0	0
-0.50	0	0	0	0
-0.25	0.001	0.001	0.000022776	0.000022776
0.00	0.004	0.005	0.000091103	0.000113879
0.25	0.013	0.018	0.000296085	0.000409964
0.50	0.027	0.045	0.000614945	0.001024909
0.75	0.056	0.101	0.001275442	0.002300352
1.00	0.298	0.399	0.006787176	0.009087527
1.25	1.439	1.838	0.032774315	0.041861842
1.50	3.146	4.984	0.071652533	0.113514375
1.75	7.744	12.728	0.176375466	0.289889841
2.00	9.889	22.617	0.225229466	0.515119307
2.25	10.627	33.244	0.242045567	0.757164874
2.50	6.794	40.038	0.154738496	0.911903370
2.75	2.389	42.427	0.054411285	0.966314655
3.00	0.942	43.369	0.021454764	0.987769418
3.25	0.354	43.723	0.008062618	0.995832036
3.50	0.100	43.823	0.002277576	0.998109612
3.75	0.053	43.876	0.001207115	0.999316727
4.00	0.017	43.893	0.000387188	0.999703915
PAN	0.013	43.906	0.000296085	1.0

TOTAL WT.	43.906	grams	
MEDIAN WT.	21.953	grams	
MEAN GRAIN SIZE	1.983	phi	0.2529 mm

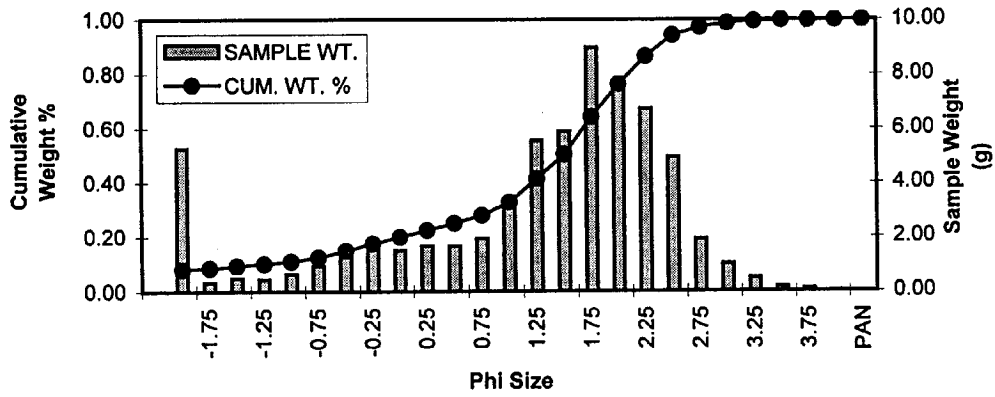


GRAIN SIZE DISTRIBUTION CHART

CORE IR6: 3.9 - 4.3 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	5.280	5.280	0.081373486	0.081373486
-1.75	0.341	5.621	0.005255371	0.086628857
-1.50	0.495	6.116	0.007628764	0.094257621
-1.25	0.460	6.576	0.007089357	0.101346978
-1.00	0.648	7.224	0.009986746	0.111333724
-0.75	0.937	8.161	0.014440711	0.125774435
-0.50	1.492	9.653	0.022994174	0.148768610
-0.25	1.741	11.394	0.026831674	0.175600284
0.00	1.487	12.881	0.022917116	0.198517400
0.25	1.651	14.532	0.025444626	0.223962026
0.50	1.657	16.189	0.025537096	0.249499122
0.75	1.935	18.124	0.029821533	0.279320655
1.00	3.169	21.293	0.048839503	0.328160158
1.25	5.551	26.844	0.085550042	0.413710199
1.50	5.898	32.742	0.090897882	0.504608082
1.75	8.961	41.703	0.138103751	0.642711833
2.00	7.733	49.436	0.119178251	0.761890084
2.25	6.728	56.164	0.103689548	0.865579632
2.50	4.949	61.113	0.076272231	0.941851863
2.75	1.921	63.034	0.029605770	0.971457633
3.00	1.004	64.038	0.015473292	0.986930925
3.25	0.496	64.534	0.007644176	0.994575101
3.50	0.164	64.698	0.002527510	0.997102611
3.75	0.102	64.800	0.001571988	0.998674599
4.00	0.040	64.840	0.000616466	0.999291064
PAN	0.046	64.886	0.000708936	1.0

TOTAL WT.	64.886	grams	
MEDIAN WT.	32.443	grams	
MEAN GRAIN SIZE	1.487	phi	0.3567 mm

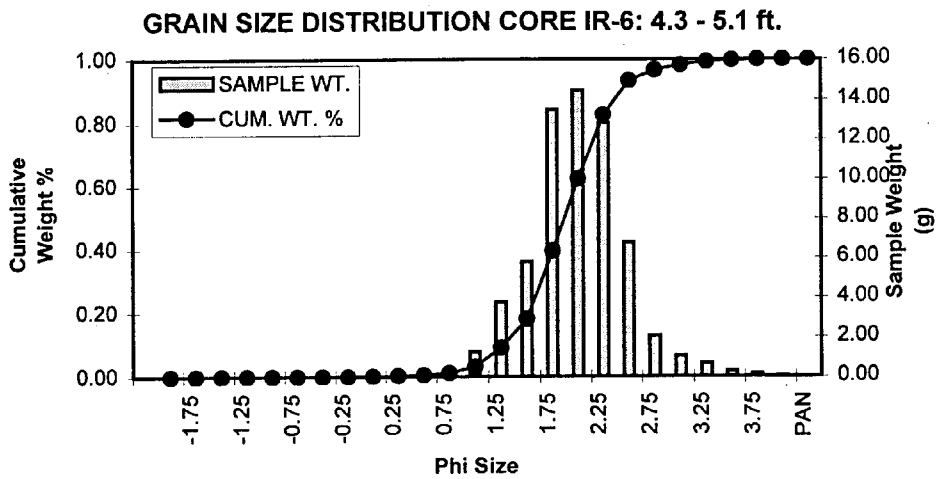


GRAIN SIZE DISTRIBUTION CHART

CORE IR6: 4.3 - 5.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0	0	0	0
-1.00	0	0	0	0
-0.75	0	0	0	0
-0.50	0.008	0.008	0.000126430	0.000126430
-0.25	0.011	0.019	0.000173841	0.000300271
0.00	0.044	0.063	0.000695365	0.000995636
0.25	0.098	0.161	0.001548767	0.002544403
0.50	0.183	0.344	0.002892085	0.005436488
0.75	0.391	0.735	0.006179264	0.011615753
1.00	1.252	1.987	0.019786289	0.031402042
1.25	3.759	5.746	0.059406279	0.090808320
1.50	5.796	11.542	0.091598508	0.182406828
1.75	13.484	25.026	0.213099914	0.395506742
2.00	14.433	39.459	0.228095456	0.623602198
2.25	12.816	52.275	0.202540800	0.826142998
2.50	6.753	59.028	0.106722692	0.932865690
2.75	2.061	61.089	0.032571519	0.965437209
3.00	1.014	62.103	0.016024998	0.981462207
3.25	0.670	62.773	0.010588509	0.992050716
3.50	0.291	63.064	0.004598890	0.996649606
3.75	0.150	63.214	0.002370562	0.999020168
4.00	0.035	63.249	0.000553131	0.999573299
PAN	0.027	63.276	0.000426701	1.0

TOTAL WT.	63.276	grams	
MEDIAN WT.	31.638	grams	
MEAN GRAIN SIZE	1.865	phi	0.2744 mm

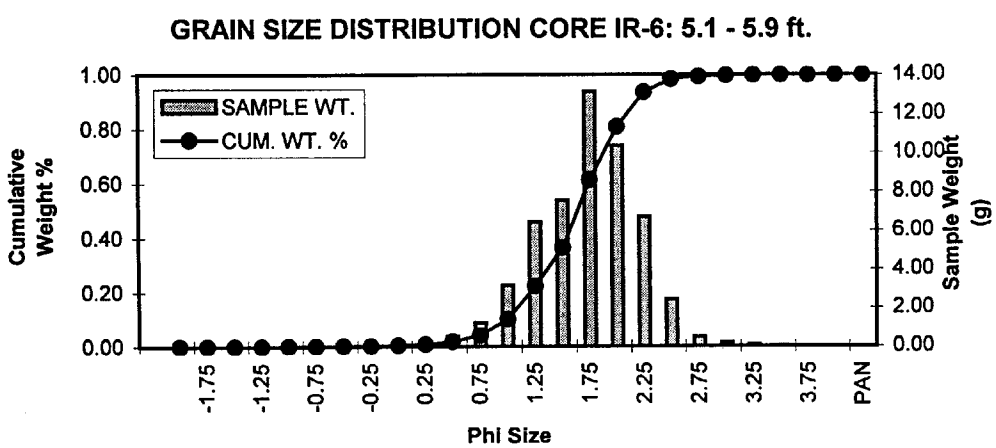


GRAIN SIZE DISTRIBUTION CHART

CORE IR6: 5.1 - 5.9 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0.022	0.022	0.000416288	0.000416288
-1.00	0.018	0.040	0.000340599	0.000756888
-0.75	0.019	0.059	0.000359522	0.001116409
-0.50	0.037	0.096	0.000700121	0.001816530
-0.25	0.042	0.138	0.000794732	0.002611262
0.00	0.089	0.227	0.001684075	0.004295338
0.25	0.211	0.438	0.003992583	0.008287920
0.50	0.543	0.981	0.010274750	0.018562670
0.75	1.231	2.212	0.023293218	0.041855889
1.00	3.161	5.373	0.059813049	0.101668937
1.25	6.434	11.807	0.121745383	0.223414320
1.50	7.536	19.343	0.142597639	0.366011959
1.75	13.115	32.458	0.248164547	0.614176506
2.00	10.337	42.795	0.195598698	0.809775204
2.25	6.704	49.499	0.126854375	0.936629579
2.50	2.452	51.951	0.046397215	0.983026794
2.75	0.496	52.447	0.009385407	0.992412201
3.00	0.191	52.638	0.003614139	0.996026340
3.25	0.106	52.744	0.002005752	0.998032092
3.50	0.045	52.789	0.000851499	0.998883591
3.75	0.027	52.816	0.000510899	0.999394490
4.00	0.017	52.833	0.000321677	0.999716167
PAN	0.015	52.848	0.000283833	1.0

TOTAL WT.	52.848	grams	
MEDIAN WT.	26.424	grams	
MEAN GRAIN SIZE	1.635	phi	0.3220 mm

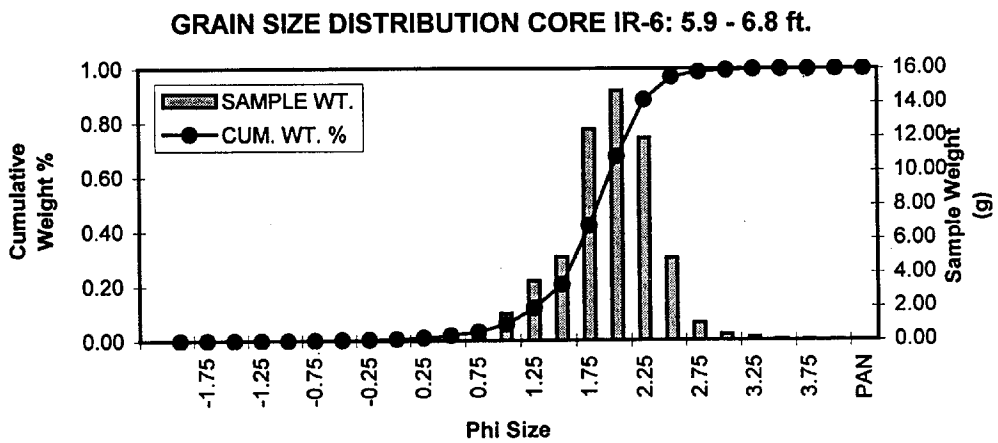


GRAIN SIZE DISTRIBUTION CHART

CORE IR6: 5.9 - 6.8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0.017	0.017	0.000295858	0.000295858
-1.00	0.017	0.034	0.000295858	0.000591716
-0.75	0.033	0.067	0.000574313	0.001166029
-0.50	0.052	0.119	0.000904977	0.002071006
-0.25	0.082	0.201	0.001427080	0.003498086
0.00	0.139	0.340	0.002419074	0.005917160
0.25	0.291	0.631	0.005064393	0.010981552
0.50	0.449	1.080	0.007814132	0.018795684
0.75	0.726	1.806	0.012634876	0.031430560
1.00	1.593	3.399	0.027723634	0.059154194
1.25	3.501	6.900	0.060929342	0.120083536
1.50	4.927	11.827	0.085746606	0.205830143
1.75	12.415	24.242	0.216063348	0.421893491
2.00	14.686	38.928	0.255586495	0.677479986
2.25	11.915	50.843	0.207361643	0.884841629
2.50	4.855	55.698	0.084493561	0.969335190
2.75	1.047	56.745	0.018221371	0.987556561
3.00	0.357	57.102	0.006213018	0.993769579
3.25	0.188	57.290	0.003271841	0.997041420
3.50	0.071	57.361	0.001235642	0.998277062
3.75	0.043	57.404	0.000748347	0.999025409
4.00	0.022	57.426	0.000382875	0.999408284
PAN	0.034	57.460	0.000591716	1.0

TOTAL WT.	57.460	grams	
MEDIAN WT.	28.730	grams	
MEAN GRAIN SIZE	1.826	phi	0.2820 mm

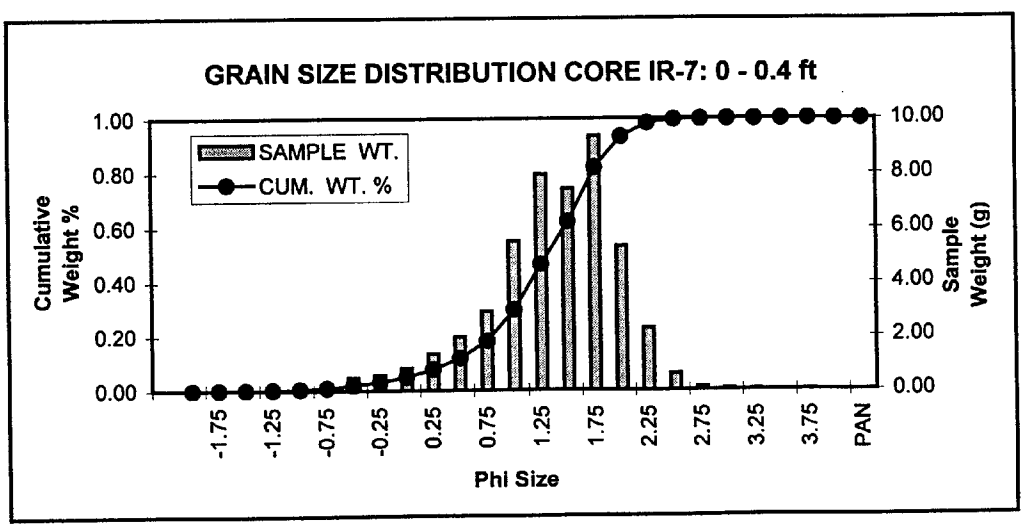


GRAIN SIZE DISTRIBUTION CHART

CORE IR7: 0 - 0.4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0.048	0.048	0.001013685	0.001013685
-1.50	0	0.048	0	0.001013685
-1.25	0.084	0.132	0.001773948	0.002787633
-1.00	0.098	0.230	0.002069606	0.004857239
-0.75	0.238	0.468	0.005026187	0.009883426
-0.50	0.472	0.940	0.009967900	0.019851326
-0.25	0.566	1.506	0.011953033	0.031804359
0.00	0.830	2.336	0.017528299	0.049332658
0.25	1.364	3.700	0.028805541	0.078138199
0.50	1.973	5.673	0.041666667	0.119804866
0.75	2.937	8.610	0.062024835	0.181829701
1.00	5.511	14.121	0.116383680	0.298213381
1.25	7.955	22.076	0.167997128	0.466210509
1.50	7.447	29.523	0.157268964	0.623479473
1.75	9.375	38.898	0.197985302	0.821464774
2.00	5.330	44.228	0.112561243	0.934026018
2.25	2.282	46.510	0.048192262	0.982218280
2.50	0.609	47.119	0.012861125	0.995079405
2.75	0.122	47.241	0.002576449	0.997655854
3.00	0.045	47.286	0.000950329	0.998606183
3.25	0.020	47.306	0.000422369	0.999028552
3.50	0.014	47.320	0.000295658	0.999324210
3.75	0.010	47.330	0.000211184	0.999535394
4.00	0.005	47.335	0.000105592	0.999640987
PAN	0.017	47.352	0.000359013	1.0

TOTAL WT.	47.352	grams	
MEDIAN WT.	23.676	grams	
MEAN GRAIN SIZE	1.3041	phi	0.4051 mm

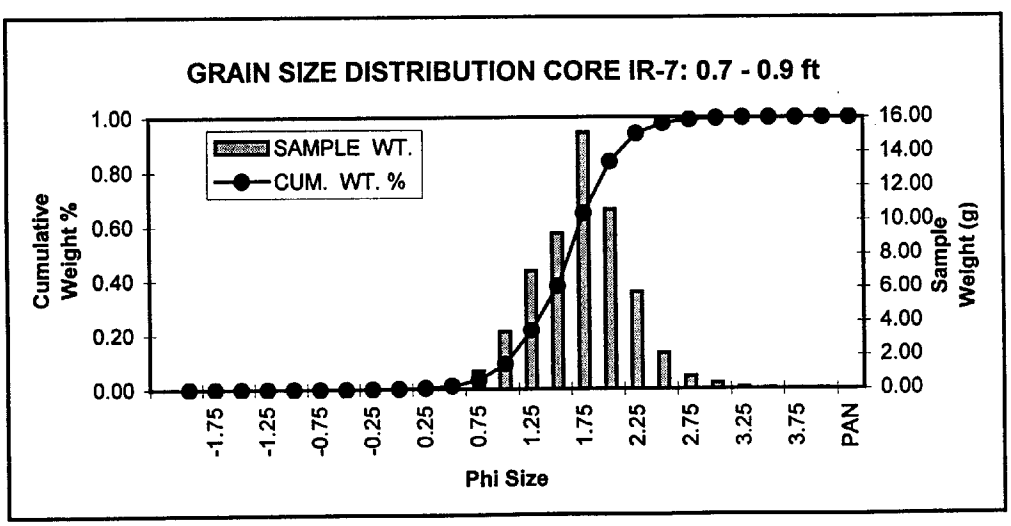


GRAIN SIZE DISTRIBUTION CHART

CORE IR7: 0.7 - 0.9 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0	0	0	0
-1.00	0	0	0	0
-0.75	0.005	0.005	0.000089141	0.000089141
-0.50	0.001	0.006	0.000017828	0.000106969
-0.25	0.032	0.038	0.000570502	0.000677471
0.00	0.069	0.107	0.001230144	0.001907614
0.25	0.172	0.279	0.003066446	0.004974060
0.50	0.447	0.726	0.007969193	0.012943253
0.75	1.054	1.780	0.018790893	0.031734146
1.00	3.379	5.159	0.060241393	0.091975540
1.25	6.972	12.131	0.124298016	0.216273555
1.50	9.196	21.327	0.163947870	0.380221426
1.75	15.106	36.433	0.269312367	0.649533793
2.00	10.585	47.018	0.188711201	0.838244995
2.25	5.722	52.740	0.102012801	0.940257795
2.50	2.095	54.835	0.037350021	0.977607816
2.75	0.743	55.578	0.013246332	0.990854148
3.00	0.313	55.891	0.005580218	0.996434366
3.25	0.107	55.998	0.001907614	0.998341980
3.50	0.034	56.032	0.000606158	0.998948138
3.75	0.023	56.055	0.000410048	0.999358186
4.00	0.013	56.068	0.000231766	0.999589952
PAN	0.023	56.091	0.000410048	1.0

TOTAL WT.	56.091	grams	
MEDIAN WT.	28.046	grams	
MEAN GRAIN SIZE	1.611	phi	0.3273 mm

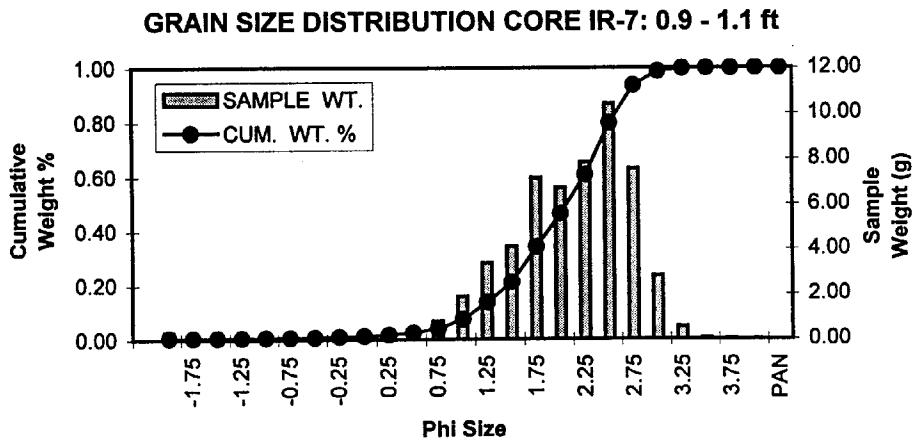


GRAIN SIZE DISTRIBUTION CHART

CORE IR7: 0.9 - 1.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.330	0.330	0.006017067	0.006017067
-1.75	0	0.330	0	0.006017067
-1.50	0	0.330	0	0.006017067
-1.25	0	0.330	0	0.006017067
-1.00	0.031	0.361	0.000565240	0.006582306
-0.75	0.040	0.401	0.000729341	0.007311648
-0.50	0.063	0.464	0.001148713	0.008460360
-0.25	0.123	0.587	0.002242725	0.010703085
0.00	0.143	0.730	0.002607396	0.013310481
0.25	0.227	0.957	0.004139012	0.017449493
0.50	0.427	1.384	0.007785719	0.025235213
0.75	0.825	2.209	0.015042666	0.040277879
1.00	1.902	4.111	0.034680184	0.074958063
1.25	3.393	7.504	0.061866385	0.136824448
1.50	4.116	11.620	0.075049231	0.211873678
1.75	7.158	18.778	0.130515644	0.342389322
2.00	6.731	25.509	0.122729925	0.465119247
2.25	7.837	33.346	0.142896215	0.608015462
2.50	10.418	43.764	0.189956969	0.797972431
2.75	7.572	51.336	0.138064328	0.936036759
3.00	2.821	54.157	0.051436803	0.987473561
3.25	0.572	54.729	0.010429582	0.997903143
3.50	0.059	54.788	0.001075779	0.998978922
3.75	0.022	54.810	0.000401138	0.999380060
4.00	0.010	54.820	0.000182335	0.999562395
PAN	0.024	54.844	0.000437605	1.0

TOTAL WT.	54.844	grams	
MEDIAN WT.	27.422	grams	
MEAN GRAIN SIZE	2.061	phi	0.2396 mm

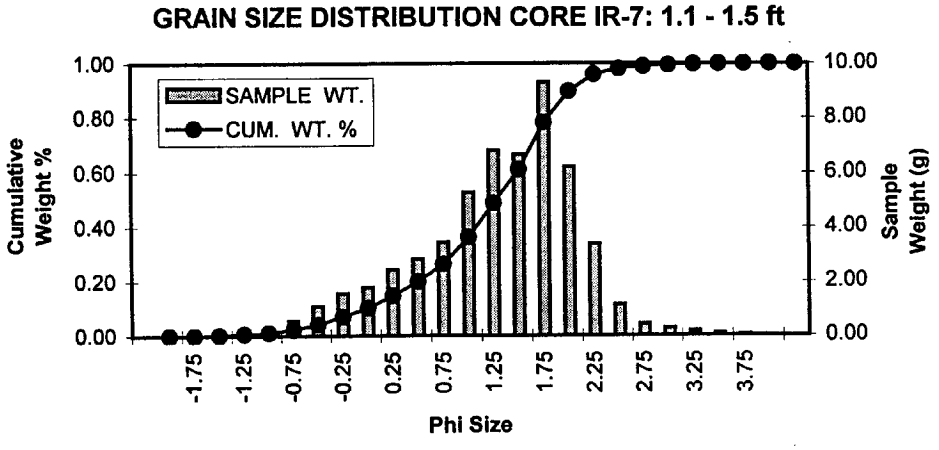


GRAIN SIZE DISTRIBUTION CHART

CORE IR7: 1.1 - 1.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0.141	0.141	0.002601860	0.002601860
-1.25	0.230	0.371	0.004244169	0.006846029
-1.00	0.269	0.640	0.004963832	0.011809861
-0.75	0.555	1.195	0.010241364	0.022051225
-0.50	1.096	2.291	0.020224387	0.042275613
-0.25	1.567	3.858	0.028915707	0.071191320
0.00	1.795	5.653	0.033122970	0.104314290
0.25	2.437	8.090	0.044969737	0.149284027
0.50	2.832	10.922	0.052258636	0.201542663
0.75	3.458	14.380	0.063810156	0.265352820
1.00	5.283	19.663	0.097486714	0.362839534
1.25	6.821	26.484	0.125867287	0.488706820
1.50	6.662	33.146	0.122933274	0.611640094
1.75	9.296	42.442	0.171538234	0.783178329
2.00	6.215	48.657	0.114684824	0.897863153
2.25	3.375	52.032	0.062278565	0.960141718
2.50	1.146	53.178	0.021147033	0.981288751
2.75	0.426	53.604	0.007860939	0.989149690
3.00	0.274	53.878	0.005056097	0.994205787
3.25	0.165	54.043	0.003044730	0.997250517
3.50	0.074	54.117	0.001365515	0.998616032
3.75	0.038	54.155	0.000701211	0.999317242
4.00	0.013	54.168	0.000239888	0.999557130
PAN	0.024	54.192	0.000442870	1.0

TOTAL WT.	54.192	grams	
MEDIAN WT.	27.096	grams	
MEAN GRAIN SIZE	1.274	phi	0.4134 mm

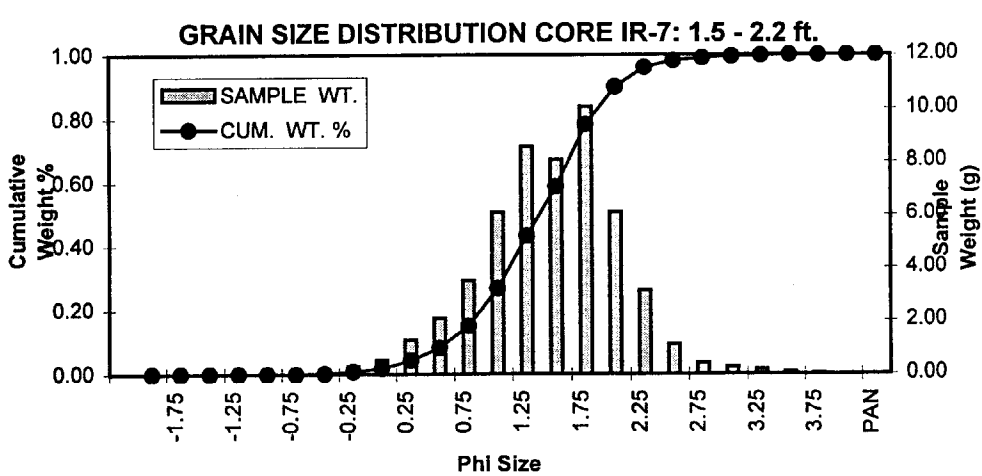


GRAIN SIZE DISTRIBUTION CHART

CORE IR7: 1.5 - 2.2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0	0	0	0
-1.00	0	0	0	0
-0.75	0.026	0.026	0.000499846	0.000499846
-0.50	0.100	0.126	0.001922485	0.002422332
-0.25	0.286	0.412	0.005498308	0.007920640
0.00	0.548	0.960	0.010535220	0.018455860
0.25	1.287	2.247	0.024742387	0.043198247
0.50	2.107	4.354	0.040506767	0.083705014
0.75	3.536	7.890	0.067979083	0.151684097
1.00	6.082	13.972	0.116925561	0.268609659
1.25	8.582	22.554	0.164987696	0.433597355
1.50	8.079	30.633	0.155317595	0.588914949
1.75	10.060	40.693	0.193402030	0.782316979
2.00	6.097	46.790	0.117213934	0.899530914
2.25	3.122	49.912	0.060019994	0.959550907
2.50	1.115	51.027	0.021435712	0.980986620
2.75	0.413	51.440	0.007939865	0.988926484
3.00	0.262	51.702	0.005036912	0.993963396
3.25	0.166	51.868	0.003191326	0.997154722
3.50	0.073	51.941	0.001403414	0.998558136
3.75	0.042	51.983	0.000807444	0.999365580
4.00	0.013	51.996	0.000249923	0.999615503
PAN	0.020	52.016	0.000384497	1.0

TOTAL WT.	52.016	grams	
MEDIAN WT.	26.008	grams	
MEAN GRAIN SIZE	1.357	phi	0.3904 mm

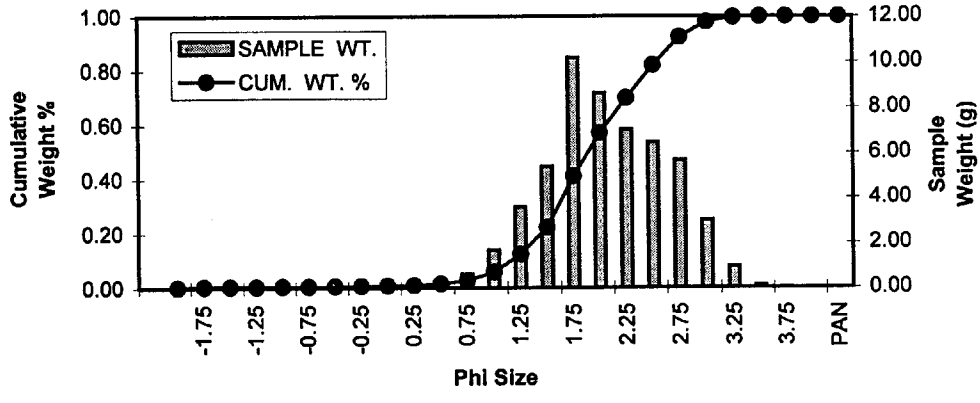


GRAIN SIZE DISTRIBUTION CHART

CORE IR7: 2.2 - 2.8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0	0	0	0
-1.00	0.032	0.293	0.000591814	0.005418801
-0.75	0.050	0.343	0.000924710	0.006343511
-0.50	0.018	0.361	0.000332896	0.006676407
-0.25	0.066	0.427	0.001220617	0.007897024
0.00	0.053	0.480	0.000980193	0.008877217
0.25	0.119	0.599	0.002200810	0.011078027
0.50	0.252	0.851	0.004660539	0.015738566
0.75	0.615	1.466	0.011373934	0.027112500
1.00	1.665	3.131	0.030792846	0.057905347
1.25	3.596	6.727	0.066505151	0.124410497
1.50	5.363	12.090	0.099184406	0.223594903
1.75	10.189	22.279	0.188437425	0.412032328
2.00	8.608	30.887	0.159198091	0.571230419
2.25	7.003	37.890	0.129514897	0.700745316
2.50	6.444	44.334	0.119176638	0.819921954
2.75	5.650	49.984	0.104492242	0.924414196
3.00	3.011	52.995	0.055686042	0.980100239
3.25	0.916	53.911	0.016940689	0.997040928
3.50	0.113	54.024	0.002089845	0.999130773
3.75	0.018	54.042	0.000332896	0.999463668
4.00	0.008	54.050	0.000147954	0.999611622
PAN	0.021	54.071	0.000388378	1.0

TOTAL WT.	54.071	grams	
MEDIAN WT.	27.036	grams	
MEAN GRAIN SIZE	1.888	phi	0.270 mm

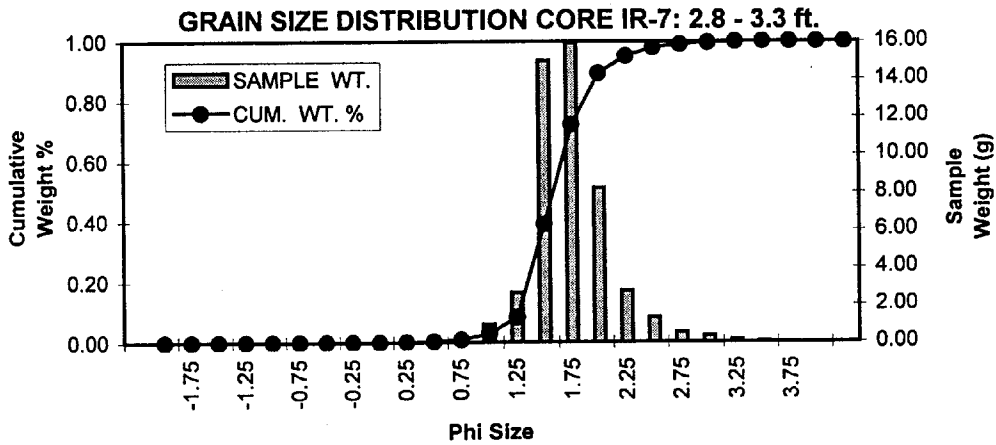


GRAIN SIZE DISTRIBUTION CHART

CORE IR7: 2.8 - 3.3 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0	0	0	0
-1.00	0	0	0	0
-0.75	0	0	0	0
-0.50	0	0	0	0
-0.25	0	0	0	0
0.00	0.008	0.008	0.000165741	0.000165741
0.25	0.045	0.053	0.000932295	0.001098036
0.50	0.102	0.155	0.002113201	0.003211237
0.75	0.269	0.424	0.005573050	0.008784288
1.00	0.972	1.396	0.020137565	0.028921853
1.25	2.642	4.038	0.054736057	0.083657910
1.50	14.977	19.015	0.310288390	0.393946300
1.75	15.911	34.926	0.329638684	0.723584984
2.00	8.219	43.145	0.170278445	0.893863429
2.25	2.747	45.892	0.056911411	0.950774840
2.50	1.338	47.230	0.027720229	0.978495069
2.75	0.526	47.756	0.010897489	0.989392558
3.00	0.330	48.086	0.006836828	0.996229386
3.25	0.124	48.210	0.002568990	0.998798376
3.50	0.037	48.247	0.000766553	0.999564929
3.75	0.012	48.259	0.000248612	0.999813541
4.00	0.006	48.265	0.000124306	0.999937847
PAN	0.003	48.268	0.000062153	1.0

TOTAL WT.	48.268	grams	
MEDIAN WT.	24.134	grams	
MEAN GRAIN SIZE	1.58	phi	0.3344 mm

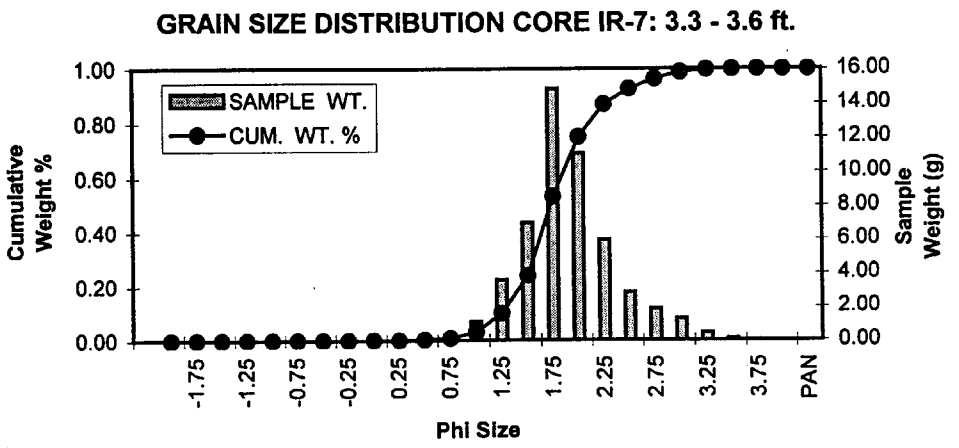


GRAIN SIZE DISTRIBUTION CHART

CORE IR7: 3.3 - 3.6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0	0	0	0
-1.00	0	0	0	0
-0.75	0	0	0	0
-0.50	0.011	0.011	0.000217308	0.000217308
-0.25	0.013	0.024	0.000256819	0.000474127
0.00	0.008	0.032	0.000158042	0.000632170
0.25	0.051	0.083	0.001007521	0.001639691
0.50	0.078	0.161	0.001540914	0.003180605
0.75	0.282	0.443	0.005570998	0.008751603
1.00	1.121	1.564	0.022151630	0.030903233
1.25	3.604	5.168	0.071198140	0.102101372
1.50	6.990	12.158	0.138089622	0.240190994
1.75	14.848	27.006	0.293326854	0.533517848
2.00	11.049	38.055	0.218276428	0.751794276
2.25	5.982	44.037	0.118176269	0.869970545
2.50	2.863	46.900	0.056559455	0.926529999
2.75	1.876	48.776	0.037060963	0.963590962
3.00	1.262	50.038	0.024931202	0.988522164
3.25	0.453	50.491	0.008949156	0.997471320
3.50	0.094	50.585	0.001856999	0.999328319
3.75	0.013	50.598	0.000256819	0.999585138
4.00	0.003	50.601	0.000059266	0.999644404
PAN	0.018	50.619	0.000355596	1.0

TOTAL WT.	50.619	grams	
MEDIAN WT.	25.310	grams	
MEAN GRAIN SIZE	1.721	phi	0.3032 mm

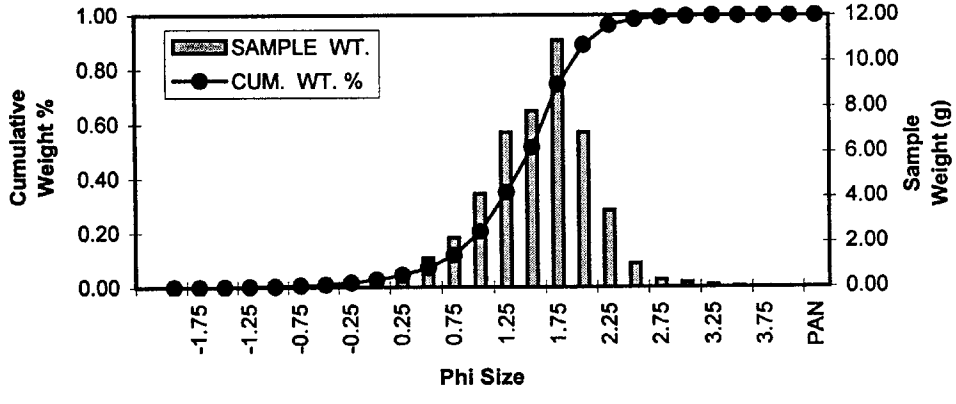


GRAIN SIZE DISTRIBUTION CHART

CORE IR7: 3.6 -3.9 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0.054	0.054	0.001142688	0.001142688
-1.25	0.052	0.106	0.001100366	0.002243054
-1.00	0.089	0.195	0.001883319	0.004126373
-0.75	0.144	0.339	0.003047168	0.007173540
-0.50	0.178	0.517	0.003766638	0.010940178
-0.25	0.340	0.857	0.007194701	0.018134879
0.00	0.506	1.363	0.010707408	0.028842288
0.25	0.736	2.099	0.015574412	0.044416700
0.50	1.287	3.386	0.027234061	0.071650761
0.75	2.180	5.566	0.046130732	0.117781493
1.00	4.152	9.718	0.087860000	0.205641492
1.25	6.862	16.580	0.145206001	0.350847493
1.50	7.789	24.369	0.164822143	0.515669636
1.75	10.898	35.267	0.230611338	0.746280974
2.00	6.857	42.124	0.145100197	0.891381171
2.25	3.410	45.534	0.072158622	0.963539793
2.50	1.043	46.577	0.022070804	0.985610597
2.75	0.330	46.907	0.006983092	0.992593690
3.00	0.203	47.110	0.004295660	0.996889350
3.25	0.085	47.195	0.001798675	0.998688025
3.50	0.024	47.219	0.000507861	0.999195886
3.75	0.014	47.233	0.000296252	0.999492139
4.00	0.005	47.238	0.000105804	0.999597943
PAN	0.019	47.257	0.000402057	1.0

TOTAL WT.	47.257	grams	
MEDIAN WT.	23.629	grams	
MEAN GRAIN SIZE	1.476	phi	0.3594 mm

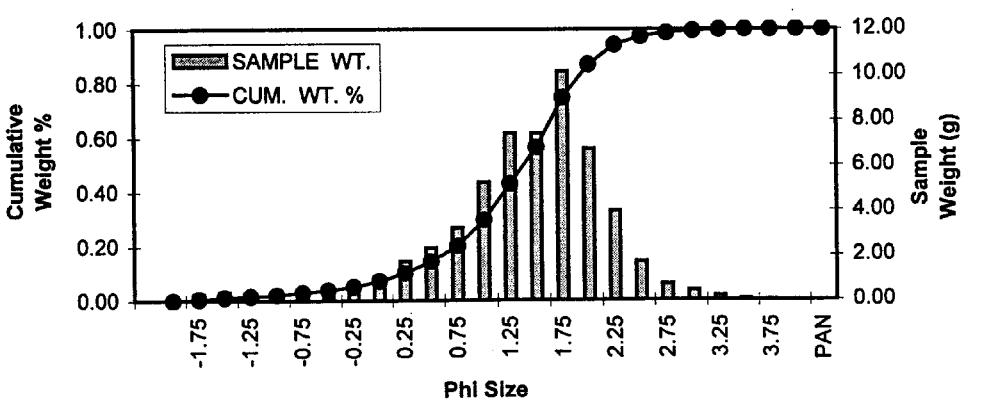


GRAIN SIZE DISTRIBUTION CHART

CORE IR7: 3.9 - 5.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0.277	0.277	0.005000361	0.005000361
-1.50	0.388	0.665	0.007004116	0.012004477
-1.25	0.219	0.884	0.003953354	0.015957831
-1.00	0.216	1.100	0.003899198	0.019857029
-0.75	0.448	1.548	0.008087227	0.027944256
-0.50	0.551	2.099	0.009946567	0.037890822
-0.25	0.747	2.846	0.013484728	0.051375551
0.00	1.061	3.907	0.019153007	0.070528558
0.25	1.740	5.647	0.031410210	0.101938768
0.50	2.351	7.998	0.042439887	0.144378655
0.75	3.240	11.238	0.058487977	0.202866633
1.00	5.260	16.498	0.094952704	0.297819337
1.25	7.415	23.913	0.133854430	0.431673767
1.50	7.414	31.327	0.133836378	0.565510145
1.75	10.149	41.476	0.183208174	0.748718319
2.00	6.730	48.206	0.121488916	0.870207235
2.25	3.964	52.170	0.071557513	0.941764748
2.50	1.724	53.894	0.031121381	0.972886129
2.75	0.745	54.639	0.013448624	0.986334753
3.00	0.441	55.080	0.007960864	0.994295617
3.25	0.198	55.278	0.003574265	0.997869882
3.50	0.051	55.329	0.000920644	0.998790526
3.75	0.028	55.357	0.000505452	0.999295978
4.00	0.013	55.370	0.000234674	0.999530652
PAN	0.026	55.396	0.000469348	1.0

TOTAL WT.	55.396	grams	
MEDIAN WT.	27.698	grams	
MEAN GRAIN SIZE	1.378	phi	0.3849 mm

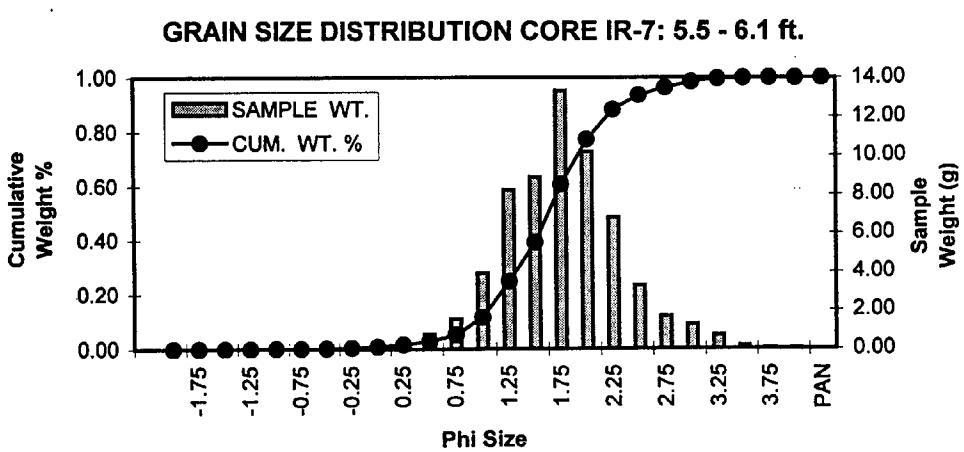


GRAIN SIZE DISTRIBUTION CHART

CORE IR7: 5.5 - 6.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0.017	0.017	0.000274939	0.000274939
-1.00	0.049	0.066	0.000792470	0.001067408
-0.75	0.035	0.101	0.000566050	0.001633458
-0.50	0.063	0.164	0.001018890	0.002652348
-0.25	0.137	0.301	0.002215681	0.004868029
0.00	0.237	0.538	0.003832967	0.008700996
0.25	0.410	0.948	0.006630871	0.015331867
0.50	0.760	1.708	0.012291370	0.027623237
0.75	1.539	3.247	0.024890025	0.052513262
1.00	3.915	7.162	0.063316729	0.115829991
1.25	8.212	15.374	0.132811489	0.248641480
1.50	8.894	24.268	0.143841377	0.392482857
1.75	13.315	37.583	0.215341571	0.607824427
2.00	10.165	47.748	0.164397076	0.772221503
2.25	6.800	54.548	0.109975417	0.882196921
2.50	3.280	57.828	0.053046966	0.935243887
2.75	1.696	59.524	0.027429163	0.962673050
3.00	1.271	60.795	0.020555699	0.983228749
3.25	0.714	61.509	0.011547419	0.994776168
3.50	0.164	61.673	0.002652348	0.997428516
3.75	0.071	61.744	0.001148273	0.998576789
4.00	0.035	61.779	0.000566050	0.999142839
PAN	0.053	61.832	0.000857161	1.0

TOTAL WT.	61.832	grams	
MEDIAN WT.	30.916	grams	
MEAN GRAIN SIZE	1.625	phi	0.3242 mm

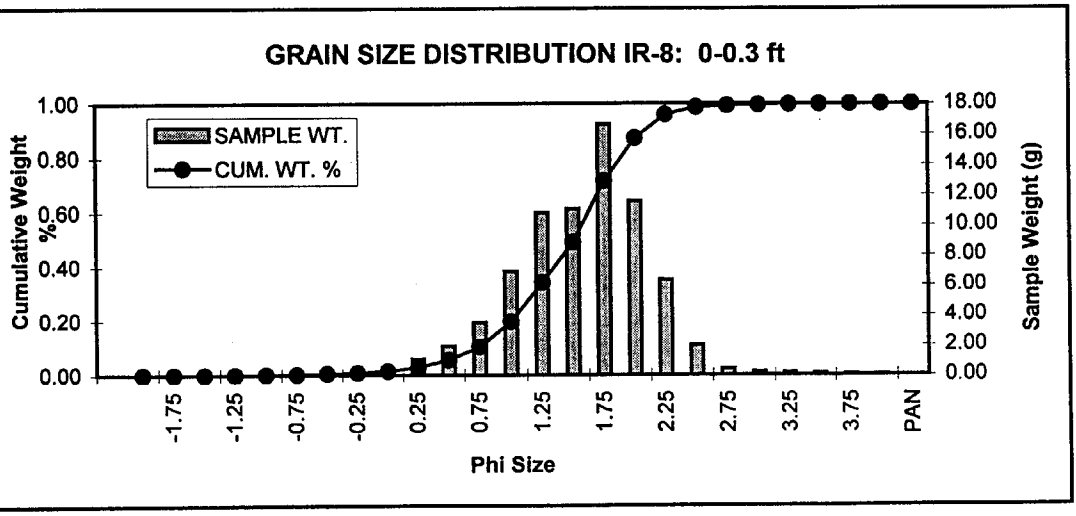


GRAIN SIZE DISTRIBUTION CHART

CORE IR-8: 0-0.3 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0.043	0.043	0.000580853	0.000580853
-1.00	0.022	0.065	0.000297181	0.000878034
-0.75	0.134	0.199	0.001810101	0.002688136
-0.50	0.212	0.411	0.002863743	0.005551878
-0.25	0.307	0.718	0.004147023	0.009698902
0.00	0.437	1.155	0.005903092	0.015601994
0.25	1.079	2.234	0.014575369	0.030177363
0.50	1.949	4.183	0.026327520	0.056504883
0.75	3.492	7.675	0.047170703	0.103675587
1.00	6.913	14.588	0.093382323	0.197057910
1.25	10.800	25.388	0.145888773	0.342946683
1.50	11.059	36.447	0.149387402	0.492334085
1.75	16.642	53.089	0.224803793	0.717137878
2.00	11.573	64.662	0.156330627	0.873468506
2.25	6.378	71.040	0.086155426	0.959623931
2.50	2.004	73.044	0.027070472	0.986694404
2.75	0.431	73.475	0.005822043	0.992516446
3.00	0.220	73.695	0.002971808	0.995488255
3.25	0.165	73.860	0.002228856	0.997717111
3.50	0.100	73.960	0.001350822	0.999067933
3.75	0.054	74.014	0.000729444	0.999797377
4.00	0.011	74.025	0.000148590	0.999945967
PAN	0.004	74.029	0.000054033	1.0

TOTAL WT.	74.029	grams	
MEDIAN WT.	37.015	grams	
MEAN GRAIN SIZE	1.51	phi	0.3511 mm

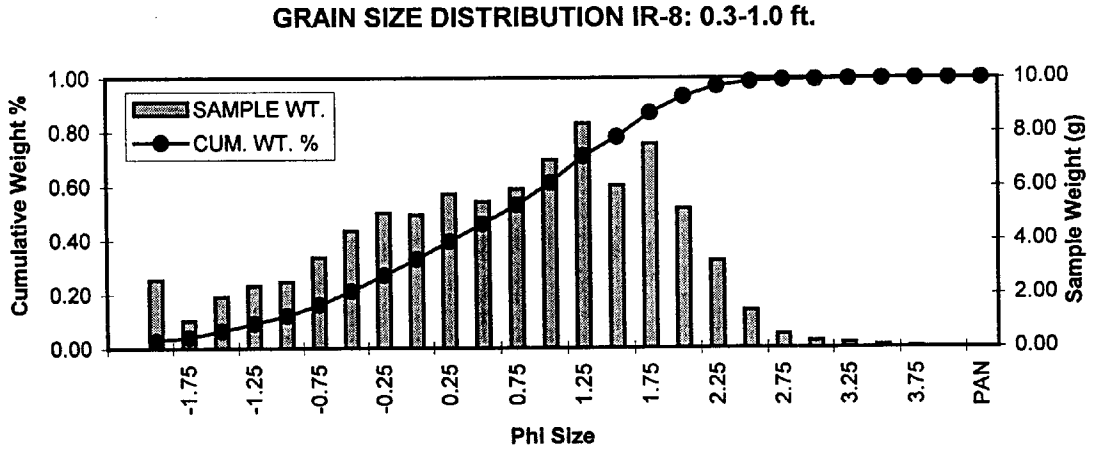


GRAIN SIZE DISTRIBUTION CHART

CORE IR-8: 0.3-1.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.539	2.539	0.029932566	0.029932566
-1.75	1.015	3.554	0.011965953	0.041898519
-1.50	1.926	5.480	0.022705838	0.064604357
-1.25	2.309	7.789	0.027221070	0.091825427
-1.00	2.474	10.263	0.029166274	0.120991700
-0.75	3.373	13.636	0.039764689	0.160756390
-0.50	4.363	17.999	0.051435914	0.212192304
-0.25	5.013	23.012	0.059098840	0.271291144
0.00	4.944	27.956	0.058285391	0.329576535
0.25	5.717	33.673	0.067398378	0.396974913
0.50	5.431	39.104	0.064026691	0.461001603
0.75	5.885	44.989	0.069378949	0.530380553
1.00	6.974	51.963	0.082217297	0.612597850
1.25	8.310	60.273	0.097967556	0.710565406
1.50	6.027	66.300	0.071053004	0.781618410
1.75	7.568	73.868	0.089220032	0.870838442
2.00	5.173	79.041	0.060985099	0.931823541
2.25	3.249	82.290	0.038302839	0.970126379
2.50	1.393	83.683	0.016422239	0.986548618
2.75	0.518	84.201	0.006106762	0.992655381
3.00	0.268	84.469	0.003159483	0.995814864
3.25	0.188	84.657	0.002216354	0.998031218
3.50	0.090	84.747	0.001061020	0.999092238
3.75	0.053	84.800	0.000624823	0.999717061
4.00	0.011	84.811	0.000129680	0.999846741
PAN	0.013	84.824	0.000153259	1.0

TOTAL WT.	84.824	grams	
MEDIAN WT.	42.412	grams	
MEAN GRAIN SIZE	0.64	phi	0.6417 mm



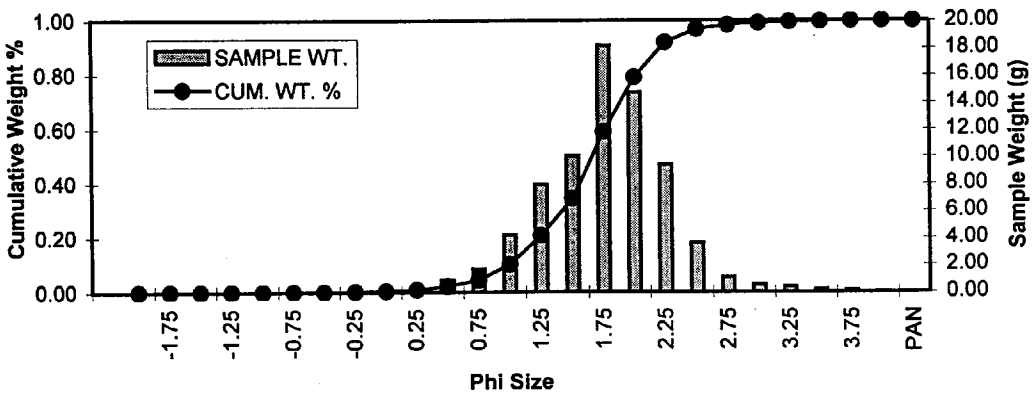
GRAIN SIZE DISTRIBUTION CHART

CORE IR-8: 1.0-1.5 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0	0	0	0
-1.00	0	0	0	0
-0.75	0.052	0.052	0.000705755	0.000705755
-0.50	0.047	0.099	0.000637894	0.001343648
-0.25	0.080	0.179	0.001085776	0.002429425
0.00	0.178	0.357	0.002415852	0.004845277
0.25	0.360	0.717	0.004885993	0.009731270
0.50	0.875	1.592	0.011875679	0.021606949
0.75	1.685	3.277	0.022869164	0.044476113
1.00	4.212	7.489	0.057166124	0.101642237
1.25	7.926	15.415	0.107573290	0.209215527
1.50	10.052	25.467	0.136427796	0.345643322
1.75	18.175	43.642	0.246674810	0.592318132
2.00	14.696	58.338	0.199457112	0.791775244
2.25	9.406	67.744	0.127660152	0.919435396
2.50	3.628	71.372	0.049239957	0.968675353
2.75	1.056	72.428	0.014332248	0.983007600
3.00	0.530	72.958	0.007193268	0.990200869
3.25	0.384	73.342	0.005211726	0.995412595
3.50	0.200	73.542	0.002714441	0.998127036
3.75	0.109	73.651	0.001479370	0.999606406
4.00	0.018	73.669	0.000244300	0.999850706
PAN	0.011	73.680	0.000149294	1.0

TOTAL WT.	73.680	grams	
MEDIAN WT.	36.840	grams	
MEAN GRAIN SIZE	1.66	phi	0.3164 mm

GRAIN SIZE DISTRIBUTION IR-8: 1.0-1.5 ft.

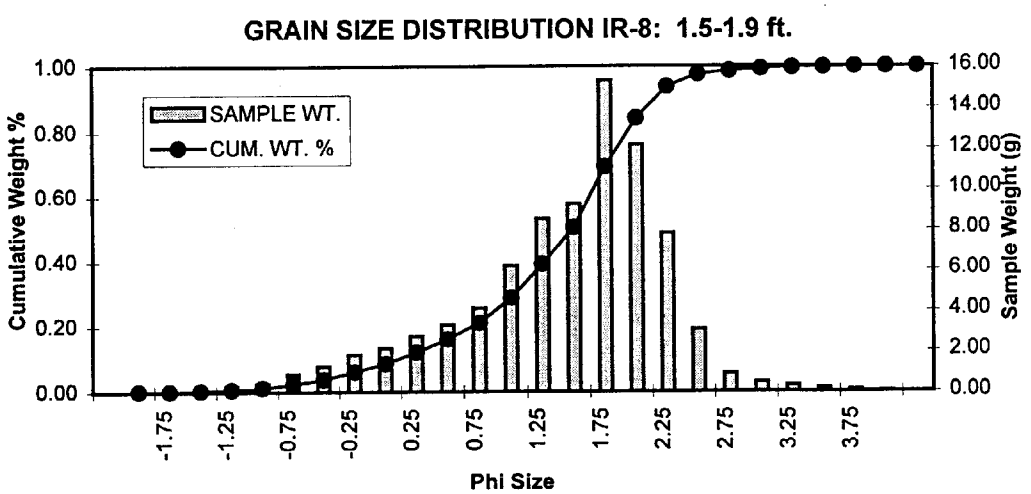


GRAIN SIZE DISTRIBUTION CHART

CORE IR-8: 1.5-1.9 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.125	0.125	0.001533140	0.001533140
-1.75	0.056	0.181	0.000686847	0.002219987
-1.50	0.128	0.309	0.001569936	0.003789923
-1.25	0.283	0.592	0.003471030	0.007260953
-1.00	0.416	1.008	0.005102291	0.012363244
-0.75	0.884	1.892	0.010842369	0.023205613
-0.50	1.257	3.149	0.015417259	0.038622872
-0.25	1.837	4.986	0.022531031	0.061153903
0.00	2.133	7.119	0.026161507	0.087315410
0.25	2.750	9.869	0.033729088	0.121044498
0.50	3.302	13.171	0.040499436	0.161543934
0.75	4.105	17.276	0.050348329	0.211892263
1.00	6.192	23.468	0.075945641	0.287837904
1.25	8.492	31.960	0.104155424	0.391993328
1.50	9.227	41.187	0.113170289	0.505163617
1.75	15.314	56.501	0.187828092	0.692991709
2.00	12.176	68.677	0.149340136	0.842331845
2.25	7.799	76.476	0.095655693	0.937987539
2.50	3.071	79.547	0.037666192	0.975653731
2.75	0.868	80.415	0.010646127	0.986299858
3.00	0.464	80.879	0.005691017	0.991990875
3.25	0.317	81.196	0.003888044	0.995878919
3.50	0.198	81.394	0.002428494	0.998307413
3.75	0.100	81.494	0.001226512	0.999533925
4.00	0.024	81.518	0.000294363	0.999828288
PAN	0.014	81.532	0.000171712	1.0

TOTAL WT.	81.532	grams	
MEDIAN WT.	40.766	grams	
MEAN GRAIN SIZE	1.49	phi	0.3560 mm

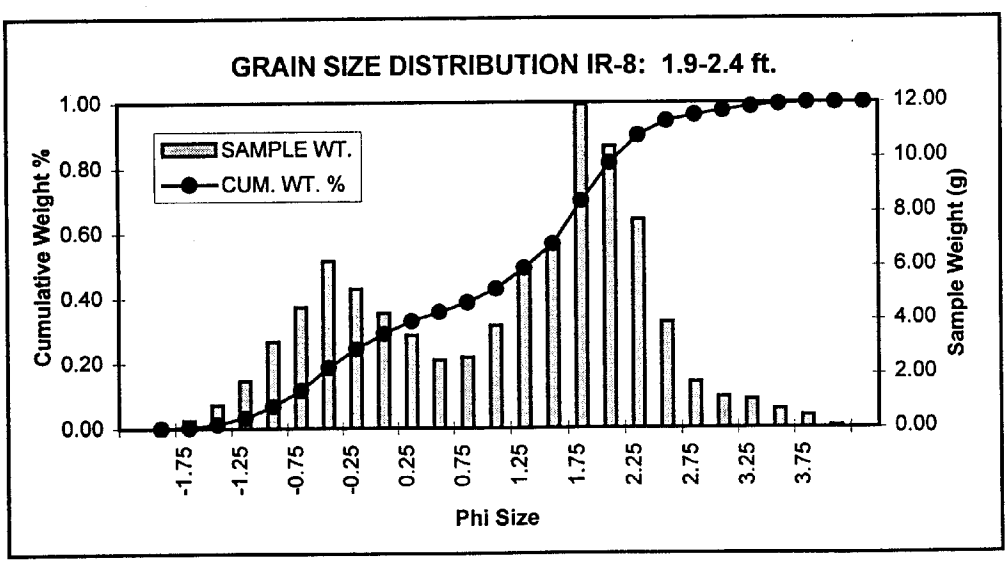


GRAIN SIZE DISTRIBUTION CHART

CORE IR-8: 1.9-2.4 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.075	0.075	0.000830629	0.000830629
-1.75	0.300	0.375	0.003322517	0.004153146
-1.50	0.872	1.247	0.009657449	0.013810594
-1.25	1.766	3.013	0.019558548	0.033369143
-1.00	3.221	6.234	0.035672754	0.069041897
-0.75	4.486	10.720	0.049682700	0.118724597
-0.50	6.197	16.917	0.068632120	0.187356716
-0.25	5.165	22.082	0.057202662	0.244559379
0.00	4.253	26.335	0.047102212	0.291661591
0.25	3.449	29.784	0.038197867	0.329859458
0.50	2.522	32.306	0.027931290	0.357790748
0.75	2.621	34.927	0.029027721	0.386818469
1.00	3.782	38.709	0.041885860	0.428704329
1.25	5.797	44.506	0.064202098	0.492906427
1.50	6.680	51.186	0.073981372	0.566887799
1.75	11.918	63.104	0.131992513	0.698880312
2.00	10.399	73.503	0.115169504	0.814049816
2.25	7.711	81.214	0.085399754	0.899449570
2.50	3.915	85.129	0.043358843	0.942808413
2.75	1.710	86.839	0.018938345	0.961746758
3.00	1.145	87.984	0.012680939	0.974427696
3.25	1.039	89.023	0.011506983	0.985934679
3.50	0.694	89.717	0.007686089	0.993620768
3.75	0.446	90.163	0.004939475	0.998560243
4.00	0.077	90.240	0.000852779	0.999413022
PAN	0.053	90.293	0.000586978	1.0

TOTAL WT.	90.293	grams	
MEDIAN WT.	45.147	grams	
MEAN GRAIN SIZE	1.27	phi	0.4147 mm

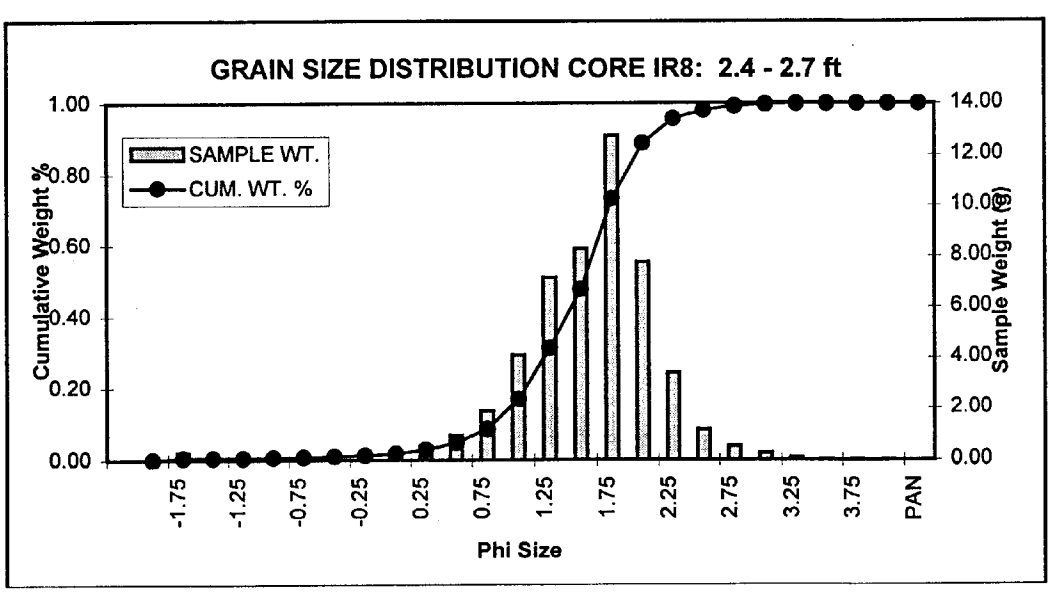


GRAIN SIZE DISTRIBUTION CHART

CORE IR8: 2.4 - 2.7 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0.289	0.289	0.005792512	0.005792512
-1.50	0	0.289	0	0.005792512
-1.25	0	0.289	0	0.005792512
-1.00	0.066	0.355	0.001322857	0.007115369
-0.75	0.069	0.424	0.001382987	0.008498356
-0.50	0.099	0.523	0.001984286	0.010482643
-0.25	0.145	0.668	0.002906278	0.013388920
0.00	0.228	0.896	0.004569871	0.017958791
0.25	0.553	1.449	0.011083941	0.029042732
0.50	0.975	2.424	0.019542211	0.048584943
0.75	1.905	4.329	0.038182474	0.086767418
1.00	4.114	8.443	0.082458110	0.169225527
1.25	7.161	15.604	0.143530025	0.312755552
1.50	8.261	23.865	0.165577648	0.478333200
1.75	12.751	36.616	0.255572036	0.733905235
2.00	7.764	44.380	0.155616131	0.889521366
2.25	3.388	47.768	0.067906678	0.957428045
2.50	1.172	48.940	0.023490740	0.980918785
2.75	0.530	49.470	0.010622946	0.991541730
3.00	0.267	49.737	0.005351559	0.996893290
3.25	0.092	49.829	0.001843983	0.998737273
3.50	0.028	49.857	0.000561212	0.999298485
3.75	0.021	49.878	0.000420909	0.999719394
4.00	0.007	49.885	0.000140303	0.999859697
PAN	0.007	49.892	0.000140303	1.0

TOTAL WT.	49.892	grams	
MEDIAN WT.	24.946	grams	
MEAN GRAIN SIZE	1.52	phi	0.3487 mm

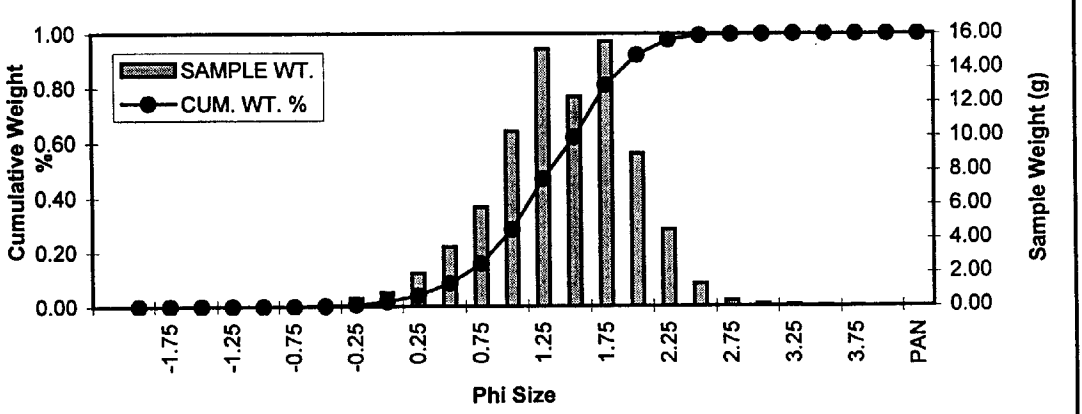


GRAIN SIZE DISTRIBUTION CHART

CORE IR8: 2.7 - 3.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0	0	0	0
-1.50	0	0	0	0
-1.25	0	0	0	0
-1.00	0.014	0.014	0.000172115	0.000172115
-0.75	0.022	0.036	0.000270466	0.000442581
-0.50	0.110	0.146	0.001352332	0.001794913
-0.25	0.469	0.615	0.005765850	0.007560763
0.00	0.830	1.445	0.010203956	0.017764719
0.25	1.962	3.407	0.024120677	0.041885396
0.50	3.520	6.927	0.043274609	0.085160005
0.75	5.848	12.775	0.071894862	0.157054868
1.00	10.264	23.039	0.126184827	0.283239695
1.25	15.073	38.112	0.185306303	0.468545998
1.50	12.295	50.407	0.151153785	0.619699782
1.75	15.544	65.951	0.191096741	0.810796523
2.00	8.949	74.900	0.110018318	0.920814841
2.25	4.524	79.424	0.055617708	0.976432549
2.50	1.333	80.757	0.016387800	0.992820349
2.75	0.301	81.058	0.003700471	0.996520820
3.00	0.125	81.183	0.001536740	0.998057560
3.25	0.075	81.258	0.000922044	0.998979604
3.50	0.037	81.295	0.000454875	0.999434480
3.75	0.026	81.321	0.000319642	0.999754122
4.00	0.008	81.329	0.000098351	0.999852473
PAN	0.012	81.341	0.000147527	1.0

TOTAL WT.	81.341	grams	
MEDIAN WT.	40.671	grams	
MEAN GRAIN SIZE	1.3	phi	0.4061 mm

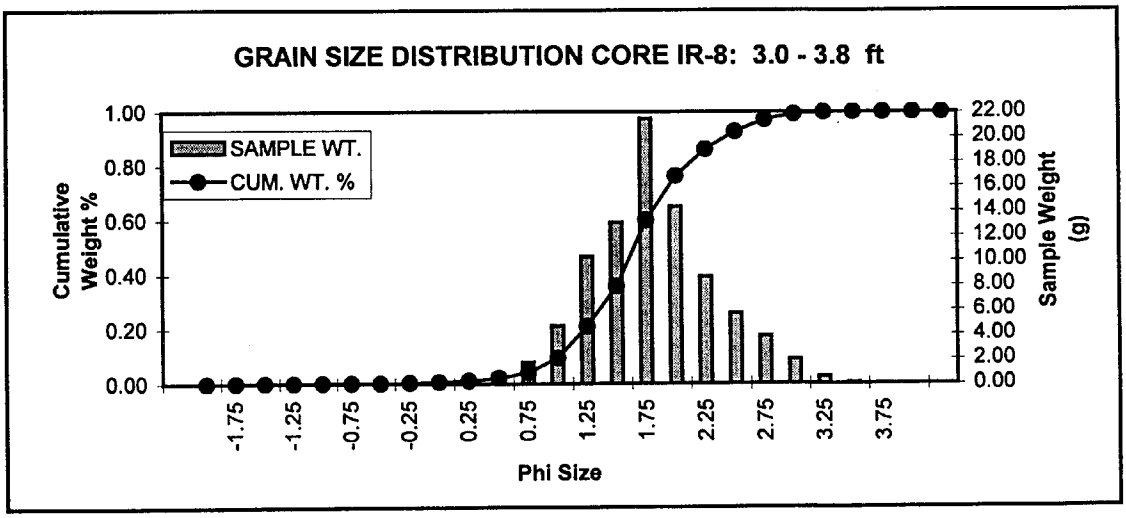


GRAIN SIZE DISTRIBUTION CHART

CORE IR-8: 3.0 - 3.8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0	0	0	0
-1.75	0.077	0.077	0.000872106	0.000872106
-1.50	0	0.077	0	0.000872106
-1.25	0.015	0.092	0.000169891	0.001041997
-1.00	0.066	0.158	0.000747520	0.001789517
-0.75	0.043	0.201	0.000487020	0.002276537
-0.50	0.058	0.259	0.000656911	0.002933448
-0.25	0.142	0.401	0.001608300	0.004541748
0.00	0.256	0.657	0.002899470	0.007441218
0.25	0.436	1.093	0.004938160	0.012379378
0.50	0.819	1.912	0.009276039	0.021655416
0.75	1.728	3.640	0.019571422	0.041226838
1.00	4.688	8.328	0.053096543	0.094323382
1.25	10.282	18.610	0.116454492	0.210777873
1.50	13.038	31.648	0.147669098	0.358446971
1.75	21.461	53.109	0.243068455	0.601515426
2.00	14.327	67.436	0.162268382	0.763783808
2.25	8.675	76.111	0.098253522	0.862037331
2.50	5.683	81.794	0.064365967	0.926403298
2.75	3.841	85.635	0.043503375	0.969906673
3.00	1.947	87.582	0.022051828	0.991958501
3.25	0.574	88.156	0.006501155	0.998459657
3.50	0.090	88.246	0.001019345	0.999479001
3.75	0.024	88.270	0.000271825	0.999750827
4.00	0.010	88.280	0.000113261	0.999864087
PAN	0.012	88.292	0.000135913	1.0

TOTAL WT.	88.292	grams	
MEDIAN WT.	44.146	grams	
MEAN GRAIN SIZE	1.65	phi	0.3186 mm



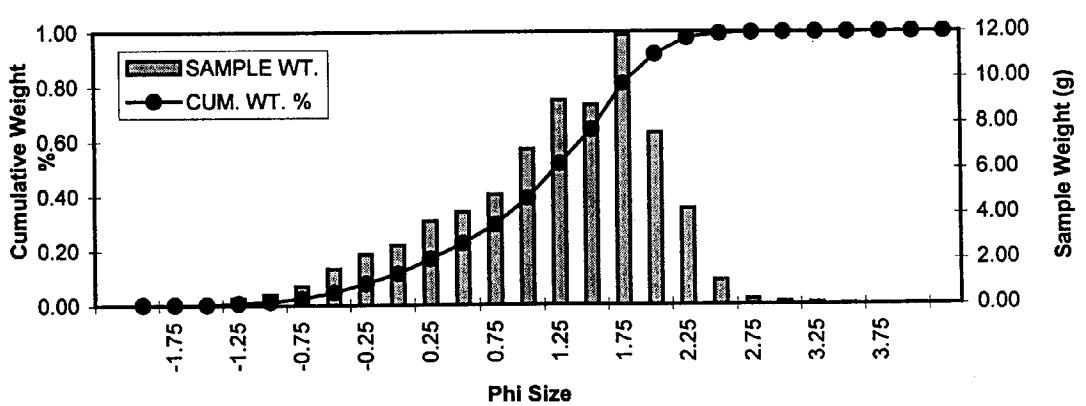
GRAIN SIZE DISTRIBUTION CHART

CORE IR-8: 3.8-5.2 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.128	0.128	0.001809673	0.001809673
-1.75	0.057	0.185	0.000805870	0.002615543
-1.50	0.017	0.202	0.000240347	0.002855891
-1.25	0.277	0.479	0.003916246	0.006772137
-1.00	0.458	0.937	0.006475237	0.013247374
-0.75	0.836	1.773	0.011819429	0.025066802
-0.50	1.593	3.366	0.022521949	0.047588752
-0.25	2.234	5.600	0.031584454	0.079173206
0.00	2.627	8.227	0.037140716	0.116313922
0.25	3.698	11.925	0.052282592	0.168596514
0.50	4.092	16.017	0.057852992	0.226449506
0.75	4.869	20.886	0.068838275	0.295287780
1.00	6.860	27.746	0.096987177	0.392274957
1.25	8.995	36.741	0.127171961	0.519446919
1.50	8.779	45.520	0.124118138	0.643565056
1.75	11.850	57.370	0.167536158	0.811101214
2.00	7.566	64.936	0.106968656	0.918069870
2.25	4.248	69.184	0.060058532	0.978128402
2.50	1.065	70.249	0.015057047	0.993185449
2.75	0.229	70.478	0.003237619	0.996423068
3.00	0.104	70.582	0.001470360	0.997893427
3.25	0.071	70.653	0.001003803	0.998897230
3.50	0.032	70.685	0.000452418	0.999349649
3.75	0.020	70.705	0.000282761	0.999632410
4.00	0.011	70.716	0.000155519	0.999787929
PAN	0.015	70.731	0.000212071	1.0

TOTAL WT.	70.731	grams	
MEDIAN WT.	35.366	grams	
MEAN GRAIN SIZE	1.21	phi	0.4323 mm

GRAIN SIZE DISTRIBUTION IR-8: 3.8-5.2 ft

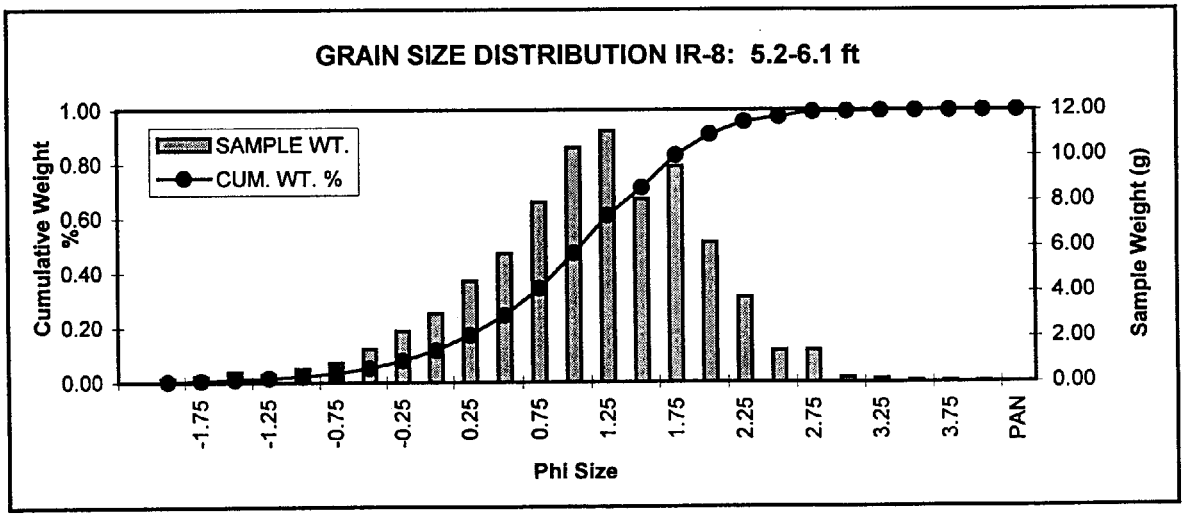


GRAIN SIZE DISTRIBUTION CHART

CORE IR-8: 5.2-6.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.177	0.177	0.002218824	0.002218824
-1.75	0.251	0.428	0.003146467	0.005365291
-1.50	0.449	0.877	0.005628541	0.010993832
-1.25	0.359	1.236	0.004500326	0.015494158
-1.00	0.590	1.826	0.007396079	0.022890237
-0.75	0.872	2.698	0.010931154	0.033821391
-0.50	1.467	4.165	0.018389911	0.052211302
-0.25	2.260	6.425	0.028330743	0.080542045
0.00	3.032	9.457	0.038008324	0.118550369
0.25	4.451	13.908	0.055796520	0.174346889
0.50	5.664	19.572	0.071002357	0.245349245
0.75	7.928	27.500	0.099383242	0.344732488
1.00	10.322	37.822	0.129393772	0.474126260
1.25	11.066	48.888	0.138720353	0.612846613
1.50	8.073	56.961	0.101200923	0.714047535
1.75	9.505	66.466	0.119152083	0.833199619
2.00	6.169	72.635	0.077332899	0.910532518
2.25	3.751	76.386	0.047021511	0.957554029
2.50	1.410	77.796	0.017675375	0.975229404
2.75	1.425	79.221	0.017863411	0.993092815
3.00	0.216	79.437	0.002707717	0.995800532
3.25	0.140	79.577	0.001755002	0.997555533
3.50	0.064	79.641	0.000802287	0.998357820
3.75	0.057	79.698	0.000714536	0.999072356
4.00	0.033	79.731	0.000413679	0.999486035
PAN	0.041	79.772	0.000513965	1.0

TOTAL WT.	79.772	grams	
MEDIAN WT.	39.886	grams	
MEAN GRAIN SIZE	1.05	phi	0.4830 mm

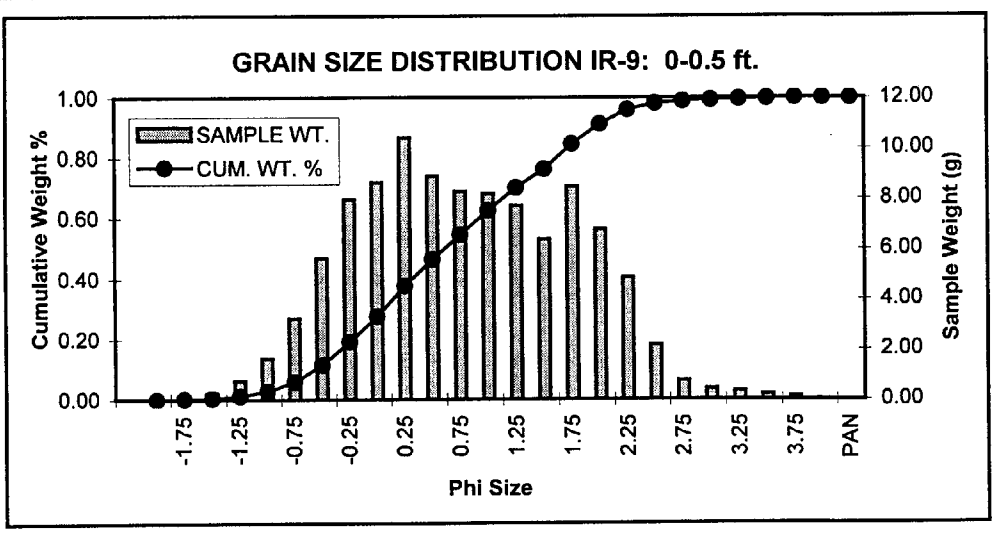


GRAIN SIZE DISTRIBUTION CHART

CORE IR-9: 0-0.5 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.174	0	0	0
-1.50	0.255	0	0	0
-1.25	0.769	1.198	0.007520120	0.011715350
-1.00	1.630	2.828	0.015939917	0.027655268
-0.75	3.239	6.067	0.031674474	0.059329741
-0.50	5.626	11.693	0.055017162	0.114346903
-0.25	7.960	19.653	0.077841559	0.192188463
0.00	8.625	28.278	0.084344654	0.276533117
0.25	10.406	38.684	0.101761214	0.378294331
0.50	8.874	47.558	0.086779648	0.465073979
0.75	8.264	55.822	0.080814403	0.545888381
1.00	8.168	63.990	0.079875610	0.625763991
1.25	7.693	71.683	0.075230542	0.700994533
1.50	6.372	78.055	0.062312364	0.763306897
1.75	8.458	86.513	0.082711546	0.846018443
2.00	6.761	93.274	0.066116430	0.912134873
2.25	4.872	98.146	0.047643728	0.959778601
2.50	2.196	100.342	0.021474882	0.981253484
2.75	0.749	101.091	0.007324539	0.988578022
3.00	0.433	101.524	0.004234346	0.992812369
3.25	0.352	101.876	0.003442240	0.996254608
3.50	0.214	102.090	0.002092725	0.998347334
3.75	0.122	102.212	0.001193049	0.999540383
4.00	0.028	102.240	0.000273815	0.999814197
PAN	0.019	102.259	0.000185803	1.0

TOTAL WT.	102.259	grams	
MEDIAN WT.	51.130	grams	
MEAN GRAIN SIZE	0.61	phi	0.6552 mm

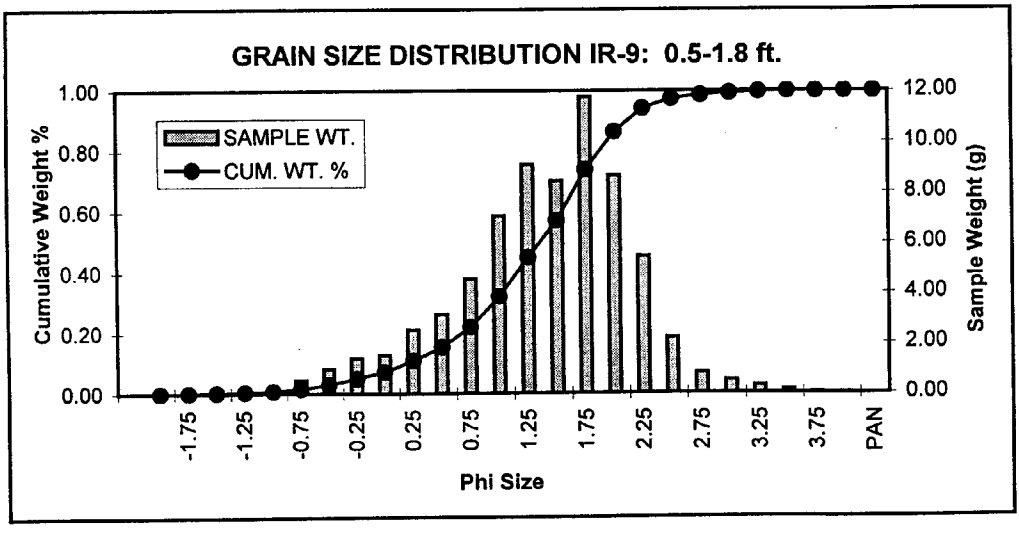


GRAIN SIZE DISTRIBUTION CHART

CORE IR-9: 0.5-1.8 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.048	0	0	0
-1.50	0.161	0	0	0
-1.25	0.164	0.373	0.002351153	0.005347440
-1.00	0.186	0.559	0.002666552	0.008013992
-0.75	0.551	1.110	0.007899302	0.015913294
-0.50	0.998	2.108	0.014307628	0.030220922
-0.25	1.429	3.537	0.020486574	0.050707496
0.00	1.539	5.076	0.022063567	0.072771064
0.25	2.534	7.610	0.036328187	0.109099250
0.50	3.155	10.765	0.045231029	0.154330280
0.75	4.547	15.312	0.065187160	0.219517440
1.00	7.058	22.370	0.101185612	0.320703052
1.25	9.064	31.434	0.129944232	0.450647284
1.50	8.414	39.848	0.120625636	0.571272920
1.75	11.752	51.600	0.168480209	0.739753129
2.00	8.645	60.245	0.123937322	0.863690451
2.25	5.453	65.698	0.078175849	0.941866300
2.50	2.217	67.915	0.031783579	0.973649879
2.75	0.824	68.739	0.011813112	0.985462991
3.00	0.522	69.261	0.007483549	0.992946540
3.25	0.291	69.552	0.004171864	0.997118404
3.50	0.124	69.676	0.001777701	0.998896105
3.75	0.036	69.712	0.000516107	0.999412212
4.00	0.022	69.734	0.000315399	0.999727610
PAN	0.019	69.753	0.000272390	1.0

TOTAL WT.	69.753	grams	
MEDIAN WT.	34.877	grams	
MEAN GRAIN SIZE	1.35	phi	0.3923 mm

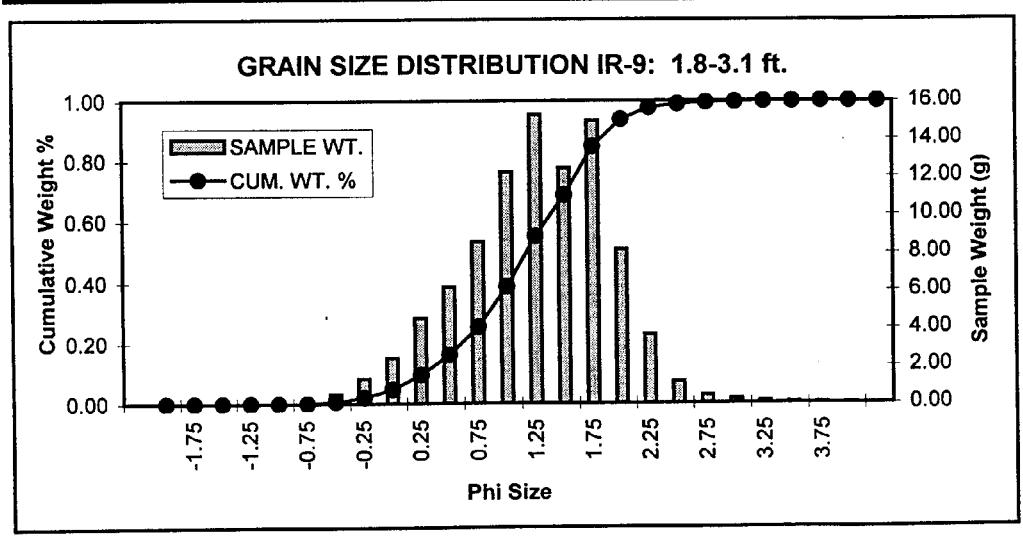


GRAIN SIZE DISTRIBUTION CHART

CORE IR-9: 1.8-3.1 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.000	0	0	0
-1.50	0.000	0	0	0
-1.25	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000000000	0.000000000
-0.75	0.106	0.106	0.001146913	0.001146913
-0.50	0.490	0.596	0.005301768	0.006448681
-0.25	1.311	1.907	0.014184934	0.020633615
0.00	2.438	4.345	0.026379001	0.047012616
0.25	4.526	8.871	0.048971024	0.095983640
0.50	6.193	15.064	0.067007855	0.162991496
0.75	8.550	23.614	0.092510441	0.255501937
1.00	12.249	35.863	0.132533379	0.388035316
1.25	15.265	51.128	0.165166302	0.553201619
1.50	12.447	63.575	0.134675727	0.687877345
1.75	14.942	78.517	0.161671464	0.849548809
2.00	8.166	86.683	0.088355586	0.937904395
2.25	3.665	90.348	0.039655060	0.977559456
2.50	1.136	91.484	0.012291446	0.989850901
2.75	0.422	91.906	0.004566012	0.994416914
3.00	0.241	92.147	0.002607604	0.997024518
3.25	0.136	92.283	0.001471511	0.998496029
3.50	0.056	92.339	0.000605916	0.999101945
3.75	0.039	92.378	0.000421977	0.999523923
4.00	0.020	92.398	0.000216399	0.999740322
PAN	0.024	92.422	0.000259678	1.0

TOTAL WT.	92.422	grams	
MEDIAN WT.	46.211	grams	
MEAN GRAIN SIZE	1.17	phi	0.4444 mm

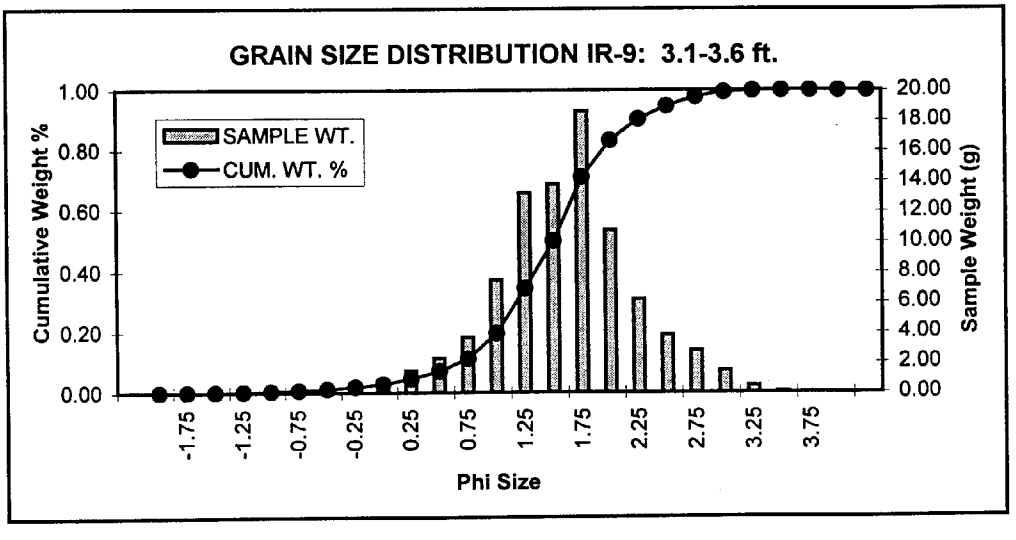


GRAIN SIZE DISTRIBUTION CHART

CORE IR-9: 3.1-3.6 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.061	0	0	0
-1.50	0.054	0	0	0
-1.25	0.105	0.220	0.001187487	0.002488069
-1.00	0.174	0.394	0.001967836	0.004455905
-0.75	0.245	0.639	0.002770804	0.007226708
-0.50	0.417	1.056	0.004716021	0.011942729
-0.25	0.653	1.709	0.007385040	0.019327769
0.00	0.832	2.541	0.009409423	0.028737192
0.25	1.466	4.007	0.016579584	0.045316776
0.50	2.278	6.285	0.025762819	0.071079596
0.75	3.661	9.946	0.041403723	0.112483319
1.00	7.437	17.383	0.084108027	0.196591346
1.25	13.180	30.563	0.149057927	0.345649273
1.50	13.780	44.343	0.155843568	0.501492841
1.75	18.620	62.963	0.210581077	0.712073918
2.00	10.745	73.708	0.121519531	0.833593450
2.25	6.176	79.884	0.069846871	0.903440320
2.50	3.797	83.681	0.042941802	0.946382122
2.75	2.775	86.456	0.031383592	0.977765714
3.00	1.437	87.893	0.016251612	0.994017326
3.25	0.428	88.321	0.004840424	0.998857750
3.50	0.059	88.380	0.000667255	0.999525005
3.75	0.018	88.398	0.000203569	0.999728574
4.00	0.012	88.410	0.000135713	0.999864287
PAN	0.012	88.422	0.000135713	1.0

TOTAL WT.	88.422	grams	
MEDIAN WT.	44.211	grams	
MEAN GRAIN SIZE	1.75	phi	0.2973 mm

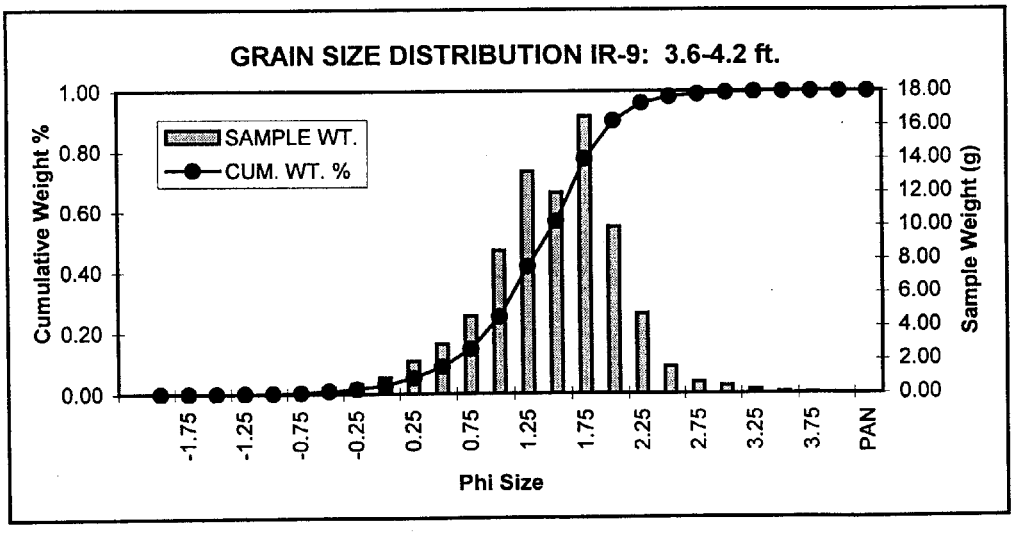


GRAIN SIZE DISTRIBUTION CHART

CORE IR-9: 3.6-4.2 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.000	0	0	0
-1.50	0.034	0	0	0
-1.25	0.087	0.121	0.001092539	0.001519509
-1.00	0.063	0.184	0.000791149	0.002310658
-0.75	0.167	0.351	0.002097173	0.004407831
-0.50	0.380	0.731	0.004772011	0.009179842
-0.25	0.573	1.304	0.007195690	0.016375532
0.00	0.947	2.251	0.011892353	0.028267886
0.25	1.913	4.164	0.024023308	0.052291193
0.50	2.947	7.111	0.037008200	0.089299393
0.75	4.600	11.711	0.057766448	0.147065841
1.00	8.490	20.201	0.106616770	0.253682611
1.25	13.215	33.416	0.165952958	0.419635569
1.50	11.966	45.382	0.150268112	0.569903681
1.75	16.494	61.876	0.207130389	0.777034070
2.00	9.929	71.805	0.124687622	0.901721691
2.25	4.723	76.528	0.059311072	0.961032764
2.50	1.559	78.087	0.019577803	0.980610566
2.75	0.673	78.760	0.008451482	0.989062049
3.00	0.454	79.214	0.005701297	0.994763346
3.25	0.231	79.445	0.002900880	0.997664226
3.50	0.086	79.531	0.001079981	0.998744208
3.75	0.047	79.578	0.000590222	0.999334430
4.00	0.025	79.603	0.000313948	0.999648378
PAN	0.028	79.631	0.000351622	1.0

TOTAL WT.	79.631	grams
MEDIAN WT.	39.816	grams
MEAN GRAIN SIZE	1.38	phi
		0.3842 mm

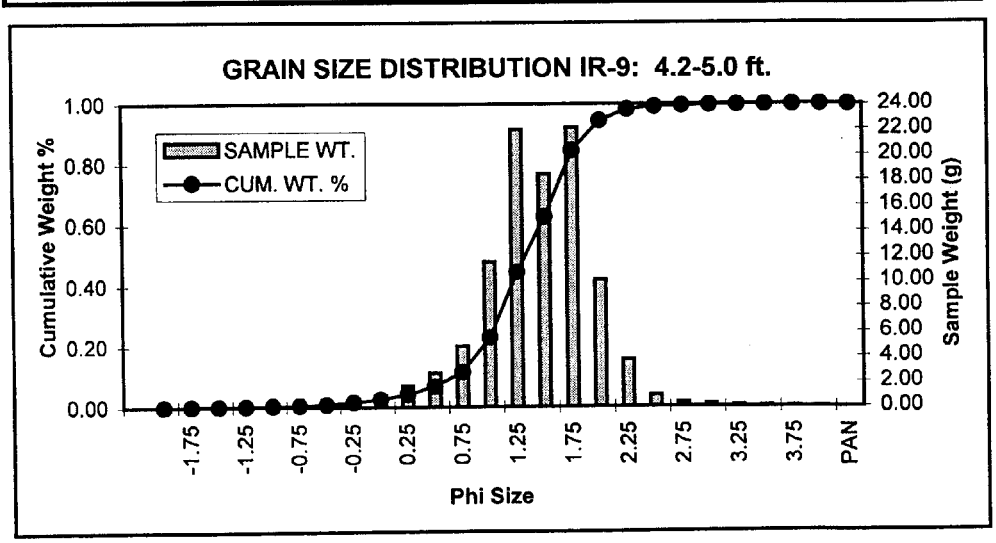


GRAIN SIZE DISTRIBUTION CHART

CORE IR-9: 4.2-5.0 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.082	0	0	0
-1.50	0.038	0	0	0
-1.25	0.123	0.243	0.001211119	0.002392698
-1.00	0.154	0.397	0.001516360	0.003909058
-0.75	0.131	0.528	0.001289891	0.005198948
-0.50	0.338	0.866	0.003328115	0.008527063
-0.25	0.701	1.567	0.006902392	0.015429455
0.00	0.940	2.507	0.009255704	0.024685158
0.25	1.687	4.194	0.016611034	0.041296192
0.50	2.721	6.915	0.026792308	0.068088500
0.75	4.858	11.773	0.047834264	0.115922764
1.00	11.539	23.312	0.113618685	0.229541449
1.25	21.965	45.277	0.216278223	0.445819671
1.50	18.475	63.752	0.181913961	0.627733633
1.75	22.137	85.889	0.217971819	0.845705452
2.00	10.104	95.993	0.099488967	0.945194419
2.25	3.785	99.778	0.037268977	0.982463396
2.50	0.908	100.686	0.008940616	0.991404011
2.75	0.324	101.010	0.003190264	0.994594275
3.00	0.239	101.249	0.002353312	0.996947587
3.25	0.139	101.388	0.001368663	0.998316250
3.50	0.065	101.453	0.000640022	0.998956272
3.75	0.045	101.498	0.000443092	0.999399364
4.00	0.028	101.526	0.000275702	0.999675066
PAN	0.033	101.559	0.000324934	1.0

TOTAL WT.	101.559	grams	
MEDIAN WT.	50.780	grams	
MEAN GRAIN SIZE	1.32	phi	0.4005 mm

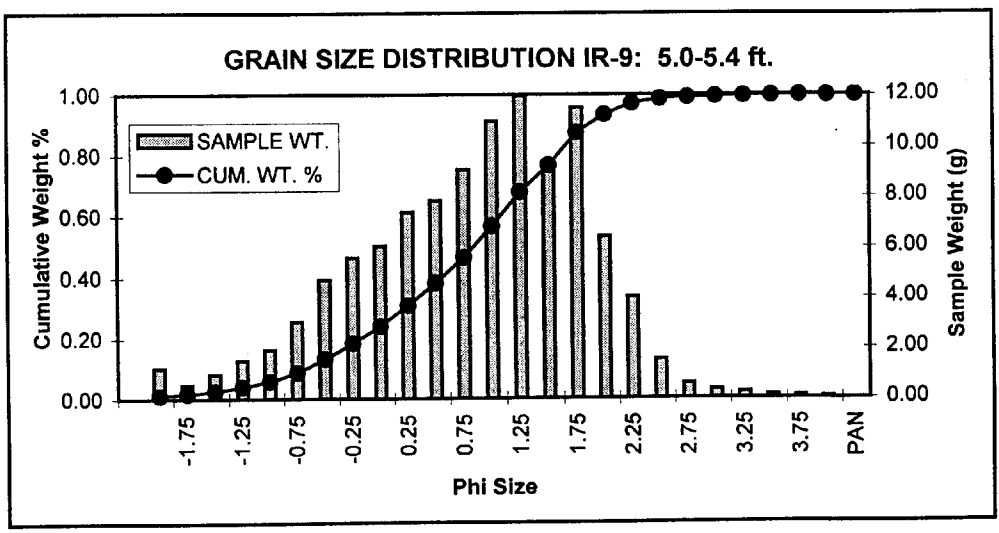


GRAIN SIZE DISTRIBUTION CHART

CORE IR-9: 5.0-5.4 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.224	1	0	0
-1.75	0.572	2	0	0
-1.50	0.996	3	0	0
-1.25	1.524	4.316	0.014235008	0.040313843
-1.00	1.966	6.282	0.018363534	0.058677377
-0.75	3.065	9.347	0.028628806	0.087306183
-0.50	4.705	14.052	0.043947319	0.131253503
-0.25	5.577	19.629	0.052092285	0.183345787
0.00	6.027	25.656	0.056295535	0.239641323
0.25	7.357	33.013	0.068718476	0.308359798
0.50	7.810	40.823	0.072949748	0.381309546
0.75	9.025	49.848	0.084298524	0.465608070
1.00	10.945	60.793	0.102232393	0.567840463
1.25	11.947	72.740	0.111591631	0.679432094
1.50	9.370	82.110	0.087521016	0.766953110
1.75	11.486	93.596	0.107285634	0.874238745
2.00	6.400	99.996	0.059779563	0.934018307
2.25	4.011	104.007	0.037464973	0.971483280
2.50	1.541	105.548	0.014393798	0.985877078
2.75	0.592	106.140	0.005529610	0.991406688
3.00	0.353	106.493	0.003297217	0.994703904
3.25	0.241	106.734	0.002251074	0.996954979
3.50	0.115	106.849	0.001074164	0.998029143
3.75	0.093	106.942	0.000868672	0.998897814
4.00	0.053	106.995	0.000495050	0.999392864
PAN	0.065	107.060	0.000607136	1.0

TOTAL WT.	107.060	grams	
MEDIAN WT.	53.530	grams	
MEAN GRAIN SIZE	0.83	phi	0.5625 mm

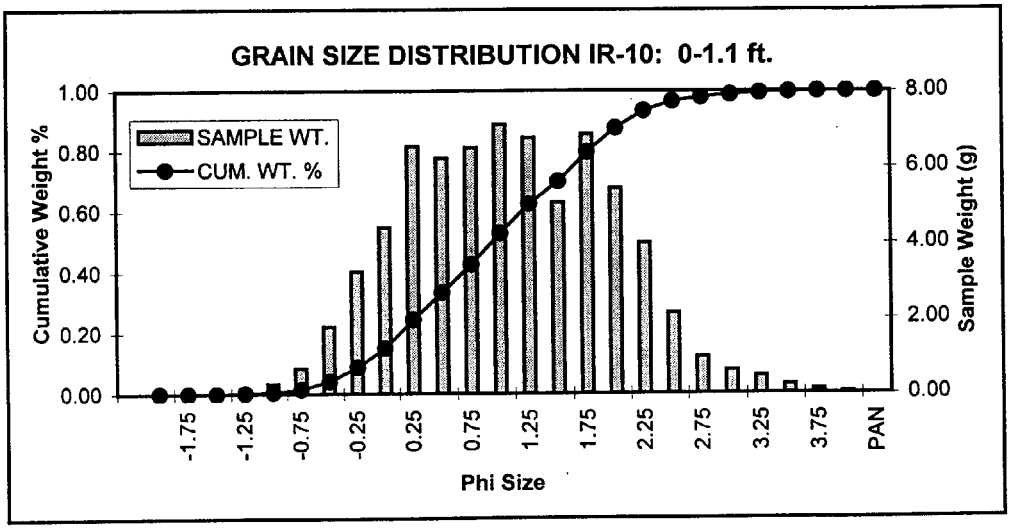


GRAIN SIZE DISTRIBUTION CHART

CORE IR-10: 0-1.1 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.000	0	0	0
-1.50	0.000	0	0	0
-1.25	0.130	0.130	0.001869105	0.001869105
-1.00	0.271	0.401	0.003896365	0.005765470
-0.75	0.678	1.079	0.009748102	0.015513573
-0.50	1.785	2.864	0.025664251	0.041177824
-0.25	3.242	6.106	0.046612606	0.087790430
0.00	4.395	10.501	0.063190131	0.150980561
0.25	6.546	17.047	0.094116632	0.245097193
0.50	6.229	23.276	0.089558891	0.334656085
0.75	6.499	29.775	0.093440879	0.428096963
1.00	7.114	36.889	0.102283184	0.530380147
1.25	6.755	43.644	0.097121578	0.627501725
1.50	5.046	48.690	0.072550035	0.700051760
1.75	6.855	55.545	0.098559351	0.798611111
2.00	5.421	60.966	0.077941684	0.876552795
2.25	3.989	64.955	0.057352772	0.933905567
2.50	2.133	67.088	0.030667702	0.964573269
2.75	0.964	68.052	0.013860133	0.978433402
3.00	0.616	68.668	0.008856683	0.987290085
3.25	0.465	69.133	0.006685645	0.993975730
3.50	0.226	69.359	0.003249367	0.997225098
3.75	0.108	69.467	0.001552795	0.998777893
4.00	0.050	69.517	0.000718887	0.999496779
PAN	0.035	69.552	0.000503221	1.0

TOTAL WT.	69.552	grams	
MEDIAN WT.	34.776	grams	
MEAN GRAIN SIZE	0.92	phi	0.5285 mm

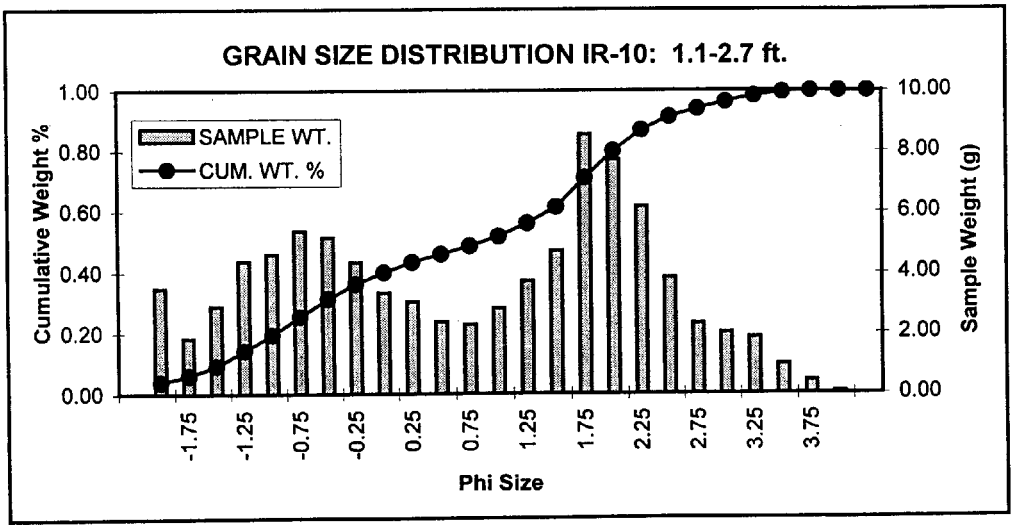


GRAIN SIZE DISTRIBUTION CHART

CORE IR-10: 1.1-2.7 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	3.472	3	0	0
-1.75	1.833	5	0	0
-1.50	2.883	8	0	0
-1.25	4.363	12.551	0.049429012	0.142191961
-1.00	4.603	17.154	0.052148004	0.194339965
-0.75	5.371	22.525	0.060848779	0.255188743
-0.50	5.143	27.668	0.058265736	0.313454480
-0.25	4.340	32.008	0.049168442	0.362622921
0.00	3.325	35.333	0.037669371	0.400292292
0.25	3.037	38.370	0.034406580	0.434698872
0.50	2.382	40.752	0.026985997	0.461684869
0.75	2.289	43.041	0.025932388	0.487617257
1.00	2.829	45.870	0.032050120	0.519667377
1.25	3.731	49.601	0.042268999	0.561936376
1.50	4.731	54.332	0.053598133	0.615534509
1.75	8.552	62.884	0.096886754	0.712421263
2.00	7.713	70.597	0.087381611	0.799802873
2.25	6.177	76.774	0.069980061	0.869782934
2.50	3.839	80.613	0.043492545	0.913275479
2.75	2.321	82.934	0.026294920	0.939570399
3.00	2.014	84.948	0.022816876	0.962387275
3.25	1.850	86.798	0.020958898	0.983346173
3.50	0.961	87.759	0.010887298	0.994233471
3.75	0.413	88.172	0.004678932	0.998912403
4.00	0.056	88.228	0.000634432	0.999546835
PAN	0.040	88.268	0.000453165	1.0

TOTAL WT.	88.268	grams	
MEDIAN WT.	44.134	grams	
MEAN GRAIN SIZE	0.85	phi	0.5548 mm

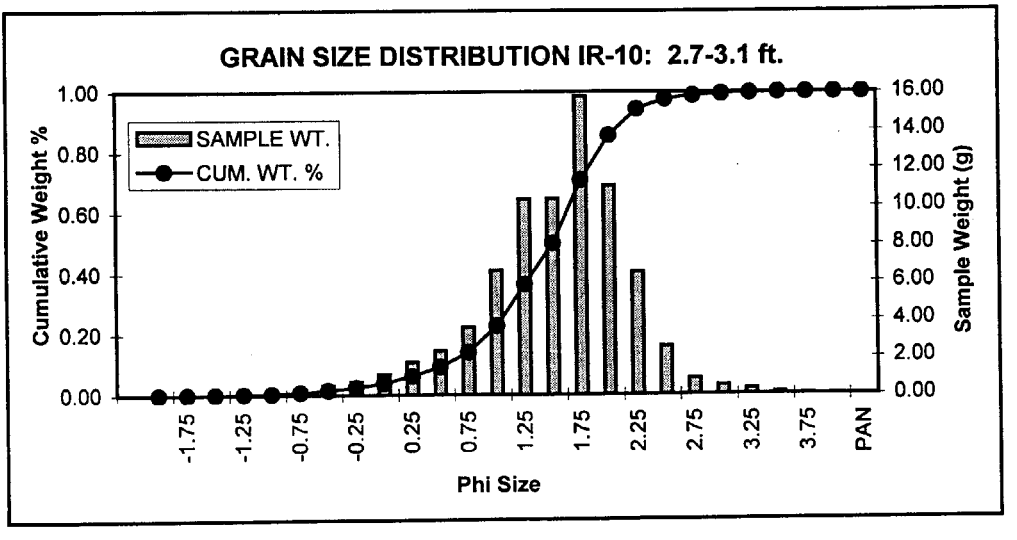


GRAIN SIZE DISTRIBUTION CHART

CORE IR-10: 2.7-3.1 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.040	0	0	0
-1.50	0.047	0	0	0
-1.25	0.117	0.204	0.001546004	0.002695596
-1.00	0.127	0.331	0.001678141	0.004373736
-0.75	0.342	0.673	0.004519087	0.008892824
-0.50	0.523	1.196	0.006910768	0.015803591
-0.25	0.712	1.908	0.009408158	0.025211750
0.00	1.107	3.015	0.014627572	0.039839321
0.25	1.752	4.767	0.023150412	0.062989733
0.50	2.345	7.112	0.030986139	0.093975872
0.75	3.583	10.695	0.047344706	0.141320578
1.00	6.595	17.290	0.087144386	0.228464964
1.25	10.338	27.628	0.136603285	0.365068249
1.50	10.348	37.976	0.136735422	0.501803671
1.75	15.763	53.739	0.208287636	0.710091307
2.00	11.055	64.794	0.146077512	0.856168818
2.25	6.520	71.314	0.086153358	0.942322177
2.50	2.539	73.853	0.033549598	0.975871774
2.75	0.849	74.702	0.011218436	0.987090210
3.00	0.458	75.160	0.006051877	0.993142087
3.25	0.300	75.460	0.003964112	0.997106199
3.50	0.115	75.575	0.001519576	0.998625775
3.75	0.055	75.630	0.000726754	0.999352528
4.00	0.027	75.657	0.000356770	0.999709298
PAN	0.022	75.679	0.000290702	1.0

TOTAL WT.	75.679	grams	
MEDIAN WT.	37.840	grams	
MEAN GRAIN SIZE	1.5	phi	0.3536 mm

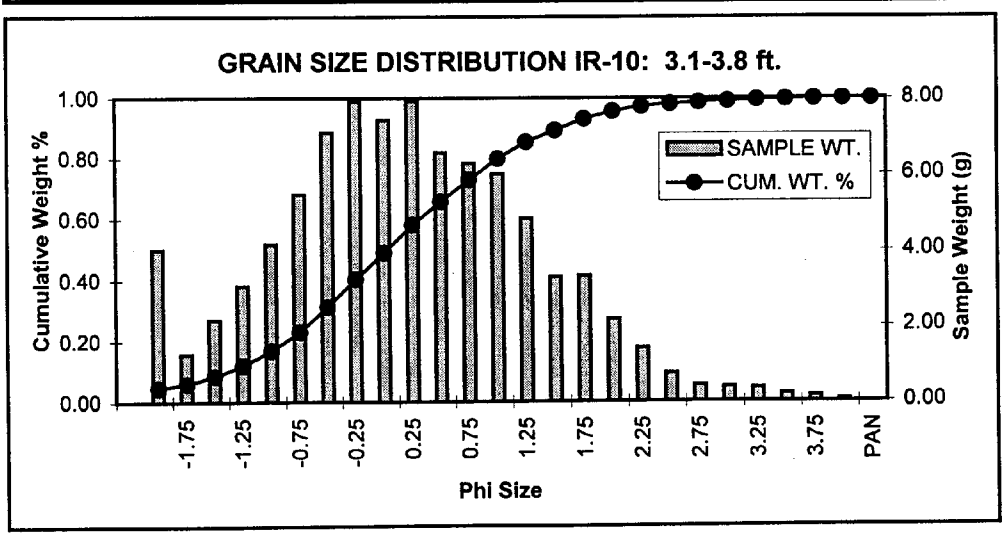


GRAIN SIZE DISTRIBUTION CHART

CORE IR-10: 3.1-3.8 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	4.009	4	0	0
-1.75	1.270	5	0	0
-1.50	2.157	7	0	0
-1.25	3.053	10.489	0.035242240	0.121079546
-1.00	4.148	14.637	0.047882349	0.168961895
-0.75	5.446	20.083	0.062865784	0.231827679
-0.50	7.080	27.163	0.081727828	0.313555507
-0.25	7.911	35.074	0.091320459	0.404875965
0.00	7.416	42.490	0.085606437	0.490482402
0.25	7.914	50.404	0.091355089	0.581837491
0.50	6.547	56.951	0.075575154	0.657412645
0.75	6.272	63.223	0.072400697	0.729813342
1.00	5.991	69.214	0.069156980	0.798970322
1.25	4.833	74.047	0.055789632	0.854759953
1.50	3.283	77.330	0.037897240	0.892657193
1.75	3.320	80.650	0.038324349	0.930981542
2.00	2.173	82.823	0.025083979	0.956065521
2.25	1.414	84.237	0.016322479	0.972387999
2.50	0.756	84.993	0.008726870	0.981114869
2.75	0.437	85.430	0.005044500	0.986159369
3.00	0.384	85.814	0.004432696	0.990592065
3.25	0.360	86.174	0.004155652	0.994747717
3.50	0.215	86.389	0.002481848	0.997229565
3.75	0.147	86.536	0.001696891	0.998926456
4.00	0.047	86.583	0.000542543	0.999469000
PAN	0.046	86.629	0.000531000	1.0

TOTAL WT.	86.629	grams	
MEDIAN WT.	43.315	grams	
MEAN GRAIN SIZE	0.03	phi	0.9794 mm

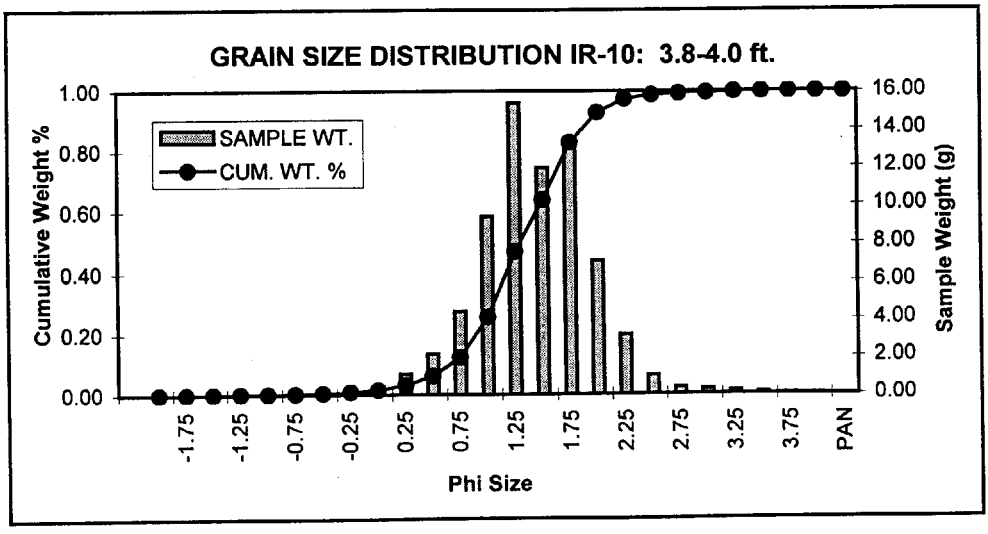


GRAIN SIZE DISTRIBUTION CHART

CORE IR-10: 3.8-4.0 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.000	0	0	0
-1.50	0.105	0	0	0
-1.25	0.036	0.141	0.000505874	0.001981339
-1.00	0.005	0.146	0.000070260	0.002051599
-0.75	0.066	0.212	0.000927435	0.002979034
-0.50	0.188	0.400	0.002641785	0.005620820
-0.25	0.255	0.655	0.003583272	0.009204092
0.00	0.477	1.132	0.006702827	0.015906919
0.25	1.127	2.259	0.015836659	0.031743578
0.50	2.175	4.434	0.030563206	0.062306784
0.75	4.407	8.841	0.061927379	0.124234163
1.00	9.384	18.225	0.131864426	0.256098589
1.25	15.356	33.581	0.215783261	0.471881850
1.50	11.934	45.515	0.167697150	0.639579001
1.75	13.482	58.997	0.189449722	0.829028722
2.00	7.054	66.051	0.099123152	0.928151875
2.25	3.150	69.201	0.044263954	0.972415828
2.50	1.000	70.201	0.014052049	0.986467877
2.75	0.354	70.555	0.004974425	0.991442302
3.00	0.250	70.805	0.003513012	0.994955314
3.25	0.172	70.977	0.002416952	0.997372267
3.50	0.109	71.086	0.001531673	0.998903940
3.75	0.043	71.129	0.000604238	0.999508178
4.00	0.030	71.159	0.000421561	0.999929740
PAN	0.005	71.164	0.000070260	1.0

TOTAL WT.	71.164	grams	
MEDIAN WT.	35.582	grams	
MEAN GRAIN SIZE	1.29	phi	0.4090 mm

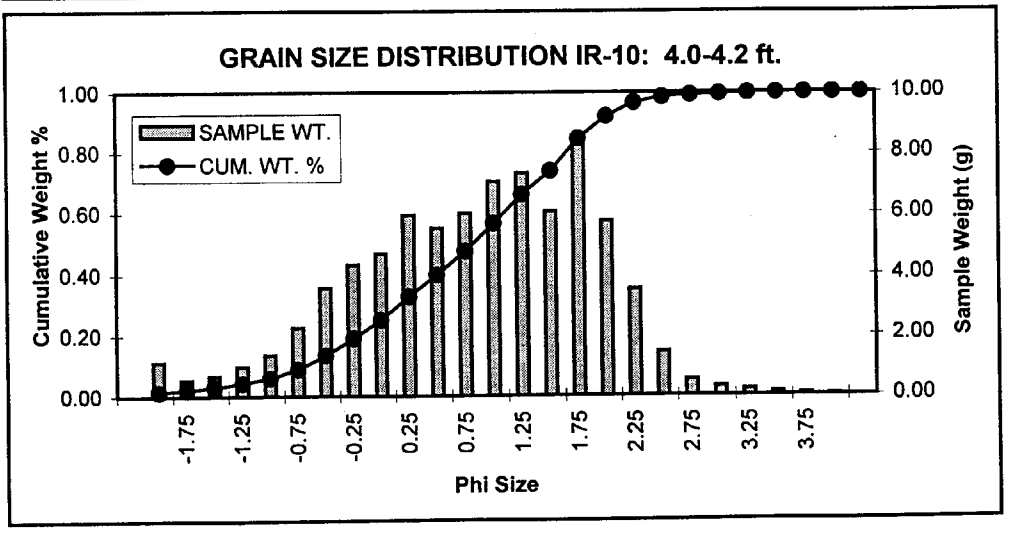


GRAIN SIZE DISTRIBUTION CHART

CORE IR-10: 4.0-4.2 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.141	1	0	0
-1.75	0.545	2	0	0
-1.50	0.673	2	0	0
-1.25	0.990	3.349	0.012742133	0.043104447
-1.00	1.368	4.717	0.017607311	0.060711758
-0.75	2.262	6.979	0.029113843	0.089825600
-0.50	3.578	10.557	0.046051869	0.135877470
-0.25	4.340	14.897	0.055859450	0.191736920
0.00	4.696	19.593	0.060441470	0.252178390
0.25	5.955	25.548	0.076645859	0.328824249
0.50	5.517	31.065	0.071008430	0.399832679
0.75	6.008	37.073	0.077328013	0.477160692
1.00	7.030	44.103	0.090482013	0.567642705
1.25	7.331	51.434	0.094356136	0.661998842
1.50	6.073	57.507	0.078164618	0.740163460
1.75	8.247	65.754	0.106145827	0.846309286
2.00	5.745	71.499	0.073942982	0.920252268
2.25	3.529	75.028	0.045421198	0.965673467
2.50	1.465	76.493	0.018855782	0.984529249
2.75	0.517	77.010	0.006654225	0.991183474
3.00	0.294	77.304	0.003784027	0.994967501
3.25	0.192	77.496	0.002471201	0.997438703
3.50	0.091	77.587	0.001171247	0.998609949
3.75	0.058	77.645	0.000746509	0.999356458
4.00	0.024	77.669	0.000308900	0.999665358
PAN	0.026	77.695	0.000334642	1.0

TOTAL WT.	77.695	grams	
MEDIAN WT.	38.848	grams	
MEAN GRAIN SIZE	0.81	phi	0.5704 mm

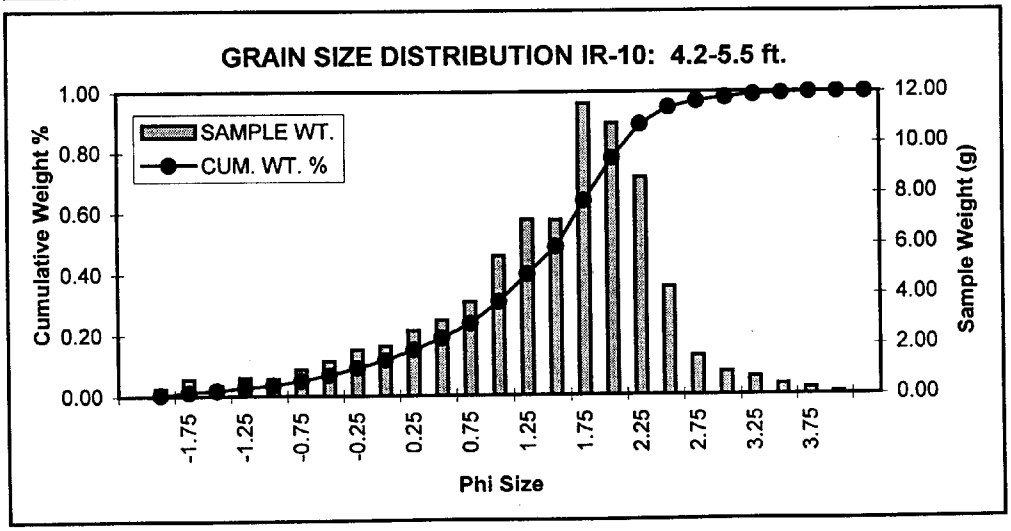


GRAIN SIZE DISTRIBUTION CHART

CORE IR-10: 4.2-5.5 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.295	0	0	0
-1.75	0.672	1	0	0
-1.50	0.404	1	0	0
-1.25	0.724	2.095	0.009434454	0.027299974
-1.00	0.679	2.774	0.008848058	0.036148032
-0.75	1.042	3.816	0.013578316	0.049726349
-0.50	1.366	5.182	0.017800365	0.067526714
-0.25	1.824	7.006	0.023768569	0.091295283
0.00	1.957	8.963	0.025501694	0.116796977
0.25	2.582	11.545	0.033646078	0.150443054
0.50	2.975	14.520	0.038767266	0.189210321
0.75	3.697	18.217	0.048175658	0.237385979
1.00	5.509	23.726	0.071787855	0.309173834
1.25	6.945	30.671	0.090500391	0.399674225
1.50	6.941	37.612	0.090448267	0.490122492
1.75	11.535	49.147	0.150312744	0.640435236
2.00	10.756	59.903	0.140161585	0.780596820
2.25	8.626	68.529	0.112405525	0.893002346
2.50	4.285	72.814	0.055837894	0.948840240
2.75	1.558	74.372	0.020302320	0.969142559
3.00	0.900	75.272	0.011727912	0.980870472
3.25	0.701	75.973	0.009134741	0.990005212
3.50	0.396	76.369	0.005160281	0.995165494
3.75	0.252	76.621	0.003283815	0.998449309
4.00	0.079	76.700	0.001029450	0.999478759
PAN	0.040	76.740	0.000521241	1.0

TOTAL WT.	76.740	grams	
MEDIAN WT.	38.370	grams	
MEAN GRAIN SIZE	1.52	phi	0.3487 mm

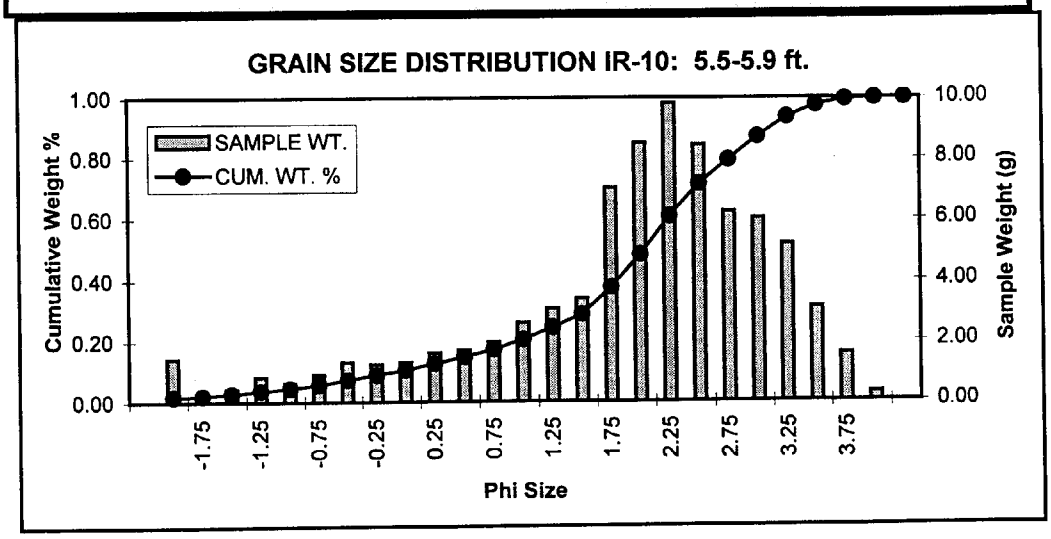


GRAIN SIZE DISTRIBUTION CHART

CORE IR-10: 5.5-5.9 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.449	1	0	0
-1.75	0.257	2	0	0
-1.50	0.440	2	0	0
-1.25	0.832	2.978	0.010512484	0.037627615
-1.00	0.626	3.604	0.007909633	0.045537249
-0.75	0.913	4.517	0.011535934	0.057073183
-0.50	1.316	5.833	0.016627919	0.073701102
-0.25	1.253	7.086	0.015831901	0.089533003
0.00	1.303	8.389	0.016463661	0.105996664
0.25	1.624	10.013	0.020519559	0.126516224
0.50	1.725	11.738	0.021795714	0.148311938
0.75	1.973	13.711	0.024929243	0.173241181
1.00	2.612	16.323	0.033003134	0.206244314
1.25	3.086	19.409	0.038992217	0.245236531
1.50	3.398	22.807	0.042934398	0.288170929
1.75	7.025	29.832	0.088762256	0.376933185
2.00	8.503	38.335	0.107437077	0.484370262
2.25	9.822	48.157	0.124102901	0.608473163
2.50	8.427	56.584	0.106476802	0.714949965
2.75	6.241	62.825	0.078856262	0.793806227
3.00	6.019	68.844	0.076051248	0.869857475
3.25	5.181	74.025	0.065462954	0.935320429
3.50	3.112	77.137	0.039320732	0.974641160
3.75	1.594	78.731	0.020140503	0.994781664
4.00	0.296	79.027	0.003740018	0.998521682
PAN	0.117	79.144	0.001478318	1.0

TOTAL WT.	79.144	grams	
MEDIAN WT.	39.572	grams	
MEAN GRAIN SIZE	2.03	phi	0.2449 mm

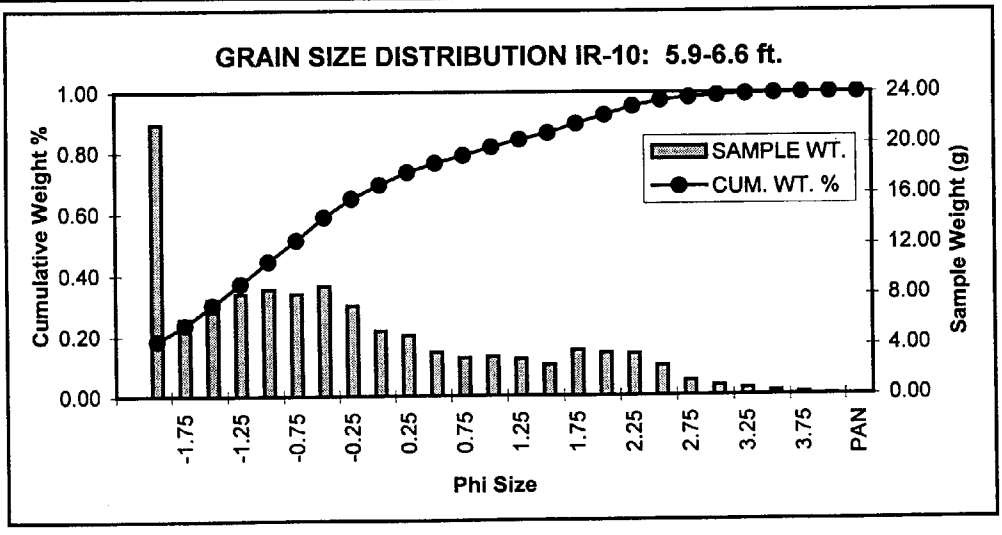


GRAIN SIZE DISTRIBUTION CHART

CORE IR-10: 5.9-6.6 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	21.460	21	0	0
-1.75	6.109	28	0	0
-1.50	7.676	35	0	0
-1.25	8.121	43.366	0.069622098	0.371780803
-1.00	8.496	51.862	0.072837008	0.444617811
-0.75	8.107	59.969	0.069502075	0.514119886
-0.50	8.773	68.742	0.075211755	0.589331642
-0.25	7.159	75.901	0.061374781	0.650706423
0.00	5.169	81.070	0.044314324	0.695020747
0.25	4.827	85.897	0.041382326	0.736403073
0.50	3.475	89.372	0.029791502	0.766194575
0.75	3.022	92.394	0.025907891	0.792102466
1.00	3.118	95.512	0.026730908	0.818833373
1.25	2.935	98.447	0.025162031	0.843995405
1.50	2.453	100.900	0.021029800	0.865025205
1.75	3.584	104.484	0.030725970	0.895751175
2.00	3.380	107.864	0.028977058	0.924728233
2.25	3.326	111.190	0.028514111	0.953242344
2.50	2.352	113.542	0.020163918	0.973406262
2.75	1.172	114.714	0.010047666	0.983453928
3.00	0.747	115.461	0.006404101	0.989858030
3.25	0.555	116.016	0.004758067	0.994616097
3.50	0.308	116.324	0.002640513	0.997256610
3.75	0.208	116.532	0.001783204	0.999039813
4.00	0.056	116.588	0.000480093	0.999519907
PAN	0.056	116.644	0.000480093	1.0

TOTAL WT.	116.644	grams	
MEDIAN WT.	58.322	grams	
MEAN GRAIN SIZE	-0.8	phi	1.7411 mm

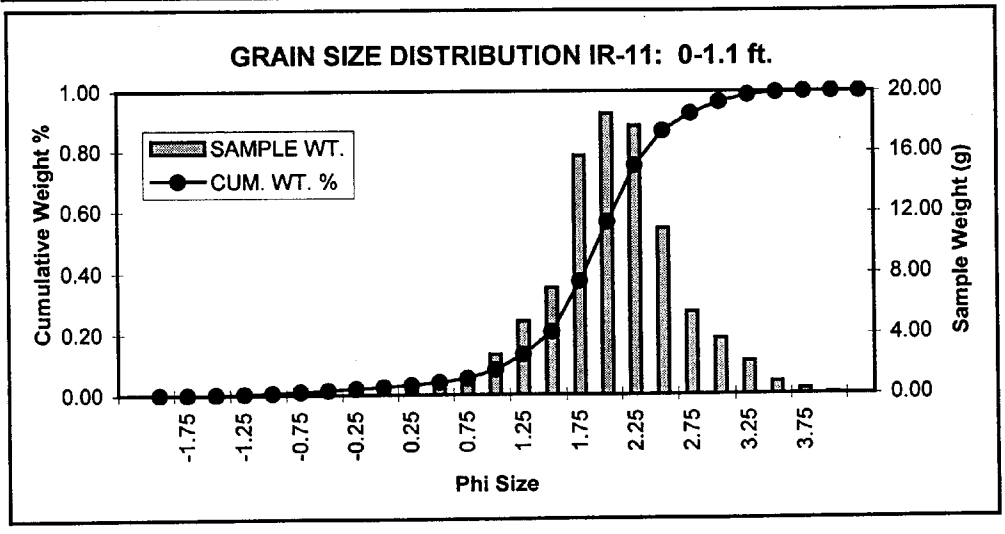


GRAIN SIZE DISTRIBUTION CHART

CORE IR-11: 0-1.1 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.000	0	0	0
-1.50	0.077	0	0	0
-1.25	0.270	0.347	0.002837834	0.003647142
-1.00	0.260	0.607	0.002732729	0.006379870
-0.75	0.416	1.023	0.004372366	0.010752236
-0.50	0.420	1.443	0.004414408	0.015166644
-0.25	0.471	1.914	0.004950443	0.020117087
0.00	0.491	2.405	0.005160653	0.025277740
0.25	0.665	3.070	0.006989479	0.032267219
0.50	0.886	3.956	0.009312298	0.041579517
0.75	1.226	5.182	0.012885867	0.054465384
1.00	2.681	7.863	0.028178636	0.082644020
1.25	4.849	12.712	0.050965389	0.133609409
1.50	7.025	19.737	0.073836225	0.207445634
1.75	15.722	35.459	0.165245998	0.372691633
2.00	18.538	53.997	0.194843551	0.567535184
2.25	17.692	71.689	0.185951673	0.753486857
2.50	10.929	82.618	0.114869197	0.868356054
2.75	5.434	88.052	0.057114028	0.925470082
3.00	3.679	91.731	0.038668110	0.964138192
3.25	2.166	93.897	0.022765732	0.986903924
3.50	0.813	94.710	0.008545032	0.995448956
3.75	0.328	95.038	0.003447442	0.998896398
4.00	0.074	95.112	0.000777777	0.999674175
PAN	0.031	95.143	0.000325825	1.0

TOTAL WT.	95.143	grams	
MEDIAN WT.	47.572	grams	
MEAN GRAIN SIZE	1.91	phi	0.2661 mm

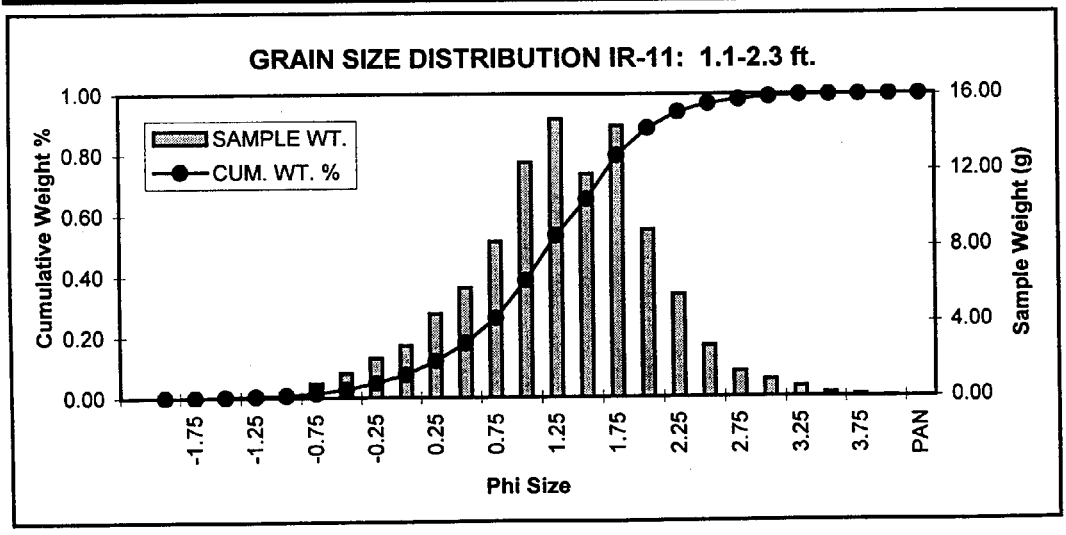


GRAIN SIZE DISTRIBUTION CHART

CORE IR-11: 1.1-2.3 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.000	0	0	0
-1.50	0.172	0	0	0
-1.25	0.220	0.392	0.002214193	0.003945289
-1.00	0.303	0.695	0.003049548	0.006994837
-0.75	0.767	1.462	0.007719482	0.014714319
-0.50	1.302	2.764	0.013103997	0.027818315
-0.25	2.100	4.864	0.021135478	0.048953794
0.00	2.752	7.616	0.027697541	0.076651335
0.25	4.428	12.044	0.044565666	0.121217001
0.50	5.796	17.840	0.058333920	0.179550921
0.75	8.227	26.067	0.082800753	0.262351674
1.00	12.403	38.470	0.124830161	0.387181836
1.25	14.671	53.141	0.147656478	0.534838314
1.50	11.780	64.921	0.118559969	0.653398283
1.75	14.292	79.213	0.143842027	0.797240310
2.00	8.822	88.035	0.088789138	0.886029449
2.25	5.437	93.472	0.054720760	0.940750209
2.50	2.708	96.180	0.027254703	0.968004911
2.75	1.359	97.539	0.013677674	0.981682585
3.00	0.925	98.464	0.009309675	0.990992260
3.25	0.544	99.008	0.005475095	0.996467356
3.50	0.190	99.198	0.001912258	0.998379613
3.75	0.095	99.293	0.000956129	0.999335742
4.00	0.035	99.328	0.000352258	0.999688000
PAN	0.031	99.359	0.000312000	1.0

TOTAL WT.	99.359	grams	
MEDIAN WT.	49.680	grams	
MEAN GRAIN SIZE	1.19	phi	0.4383 mm



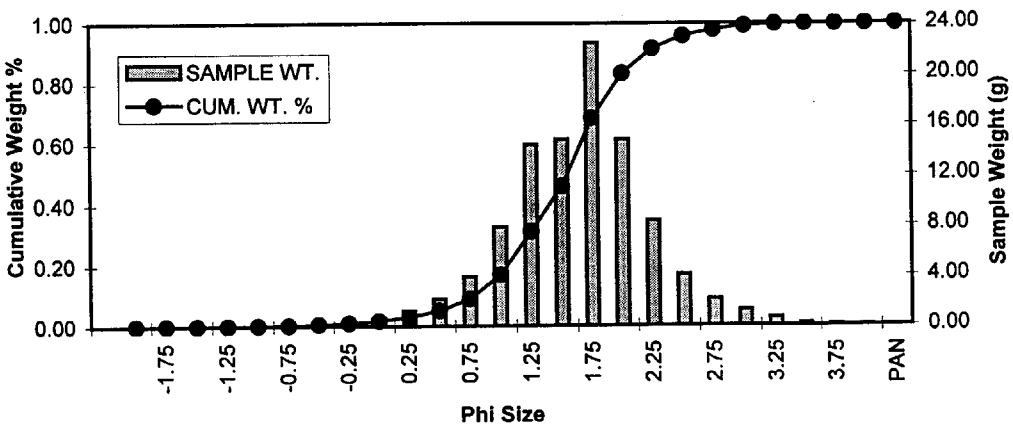
GRAIN SIZE DISTRIBUTION CHART

CORE IR-11: 2.3-3.2 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.067	0	0	0
-1.75	0.000	0	0	0
-1.50	0.000	0	0	0
-1.25	0.044	0.111	0.000440383	0.001110967
-1.00	0.069	0.180	0.000690601	0.001801567
-0.75	0.107	0.287	0.001070932	0.002872499
-0.50	0.338	0.625	0.003382943	0.006255442
-0.25	0.446	1.071	0.004463884	0.010719326
0.00	0.663	1.734	0.006635773	0.017355099
0.25	1.226	2.960	0.012270675	0.029625774
0.50	2.178	5.138	0.021798965	0.051424740
0.75	3.918	9.056	0.039214116	0.090638856
1.00	7.893	16.949	0.078998729	0.169637585
1.25	14.349	31.298	0.143614945	0.313252530
1.50	14.733	46.031	0.147458289	0.460710818
1.75	22.433	68.464	0.224525337	0.685236155
2.00	14.732	83.196	0.147448280	0.832684435
2.25	8.371	91.567	0.083782891	0.916467327
2.50	4.097	95.664	0.041005675	0.957473002
2.75	2.129	97.793	0.021308538	0.978781540
3.00	1.218	99.011	0.012190606	0.990972146
3.25	0.627	99.638	0.006275460	0.997247605
3.50	0.146	99.784	0.001461271	0.998708877
3.75	0.071	99.855	0.000710618	0.999419495
4.00	0.028	99.883	0.000280244	0.999699739
PAN	0.030	99.913	0.000300261	1.0

TOTAL WT.	99.913	grams	
MEDIAN WT.	49.957	grams	
MEAN GRAIN SIZE	1.54	phi	0.3439 mm

GRAIN SIZE DISTRIBUTION IR-11: 2.3-3.2 ft.

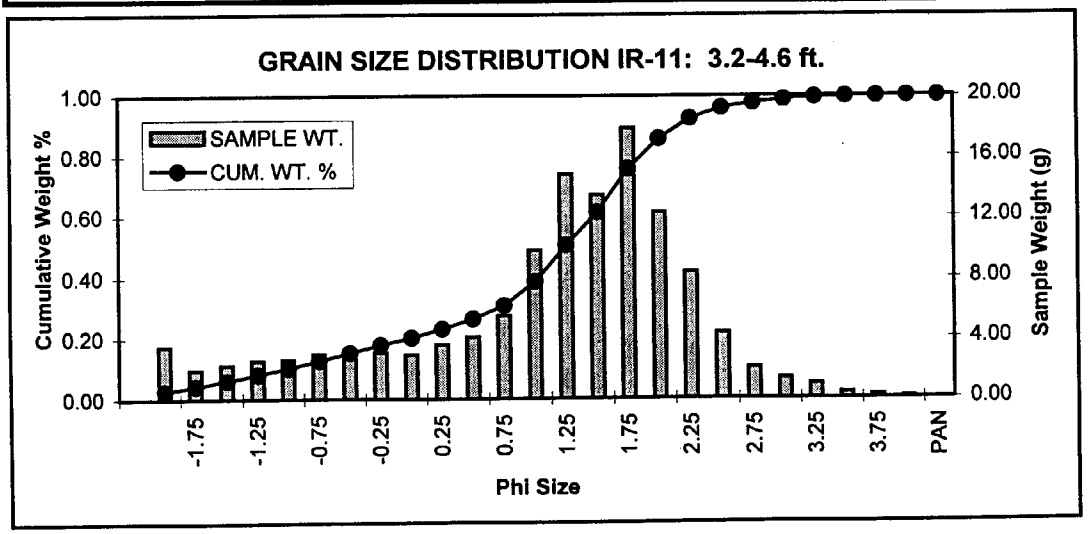


GRAIN SIZE DISTRIBUTION CHART

CORE IR-11: 3.2-4.6 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	3.463	3	0	0
-1.75	1.912	5	0	0
-1.50	2.256	8	0	0
-1.25	2.520	10.151	0.020340132	0.081933604
-1.00	2.636	12.787	0.021276424	0.103210028
-0.75	2.978	15.765	0.024036871	0.127246899
-0.50	3.240	19.005	0.026151599	0.153398497
-0.25	3.064	22.069	0.024731018	0.178129515
0.00	2.913	24.982	0.023512224	0.201641739
0.25	3.583	28.565	0.028920117	0.230561856
0.50	4.091	32.656	0.033020429	0.263582285
0.75	5.459	38.115	0.044062215	0.307644500
1.00	9.781	47.896	0.078947156	0.386591656
1.25	14.789	62.685	0.119369133	0.505960789
1.50	13.414	76.099	0.108270847	0.614231635
1.75	17.836	93.935	0.143962936	0.758194571
2.00	12.298	106.233	0.099263074	0.857457645
2.25	8.368	114.601	0.067542153	0.924999798
2.50	4.326	118.927	0.034917227	0.959917025
2.75	2.026	120.953	0.016352821	0.976269846
3.00	1.330	122.283	0.010735070	0.987004916
3.25	0.928	123.211	0.007490334	0.994495250
3.50	0.366	123.577	0.002954162	0.997449412
3.75	0.208	123.785	0.001678868	0.999128280
4.00	0.062	123.847	0.000500432	0.999628712
PAN	0.046	123.893	0.000371288	1.0

TOTAL WT.	123.893	grams	
MEDIAN WT.	61.947	grams	
MEAN GRAIN SIZE	1.24	phi	0.4234 mm

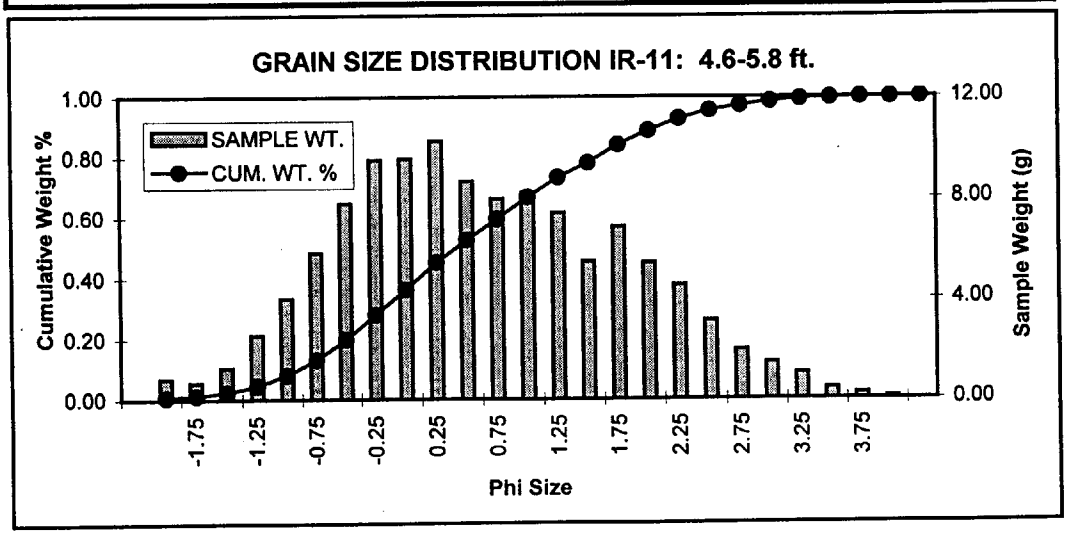


GRAIN SIZE DISTRIBUTION CHART

CORE IR-11: 4.6-5.8 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.813	1	0	0
-1.75	0.669	1	0	0
-1.50	1.249	3	0	0
-1.25	2.569	5.300	0.022324959	0.046057720
-1.00	4.008	9.308	0.034830064	0.080887784
-0.75	5.810	15.118	0.050489689	0.131377473
-0.50	7.773	22.891	0.067548426	0.198925899
-0.25	9.489	32.380	0.082460699	0.281386598
0.00	9.550	41.930	0.082990797	0.364377395
0.25	10.237	52.167	0.088960920	0.453338316
0.50	8.643	60.810	0.075108844	0.528447160
0.75	7.964	68.774	0.069208242	0.597655401
1.00	8.206	76.980	0.071311255	0.668966656
1.25	7.397	84.377	0.064280935	0.733247591
1.50	5.463	89.840	0.047474212	0.780721803
1.75	6.863	96.703	0.059640402	0.840362205
2.00	5.426	102.129	0.047152677	0.887514882
2.25	4.548	106.677	0.039522738	0.927037620
2.50	3.120	109.797	0.027113224	0.954150843
2.75	1.967	111.764	0.017093497	0.971244341
3.00	1.449	113.213	0.012592007	0.983836347
3.25	1.033	114.246	0.008976910	0.992813258
3.50	0.438	114.684	0.003806279	0.996619537
3.75	0.228	114.912	0.001981351	0.998600888
4.00	0.075	114.987	0.000651760	0.999252648
PAN	0.086	115.073	0.000747352	1.0

TOTAL WT.	115.073	grams	
MEDIAN WT.	57.537	grams	
MEAN GRAIN SIZE	0.41	phi	0.7526 mm

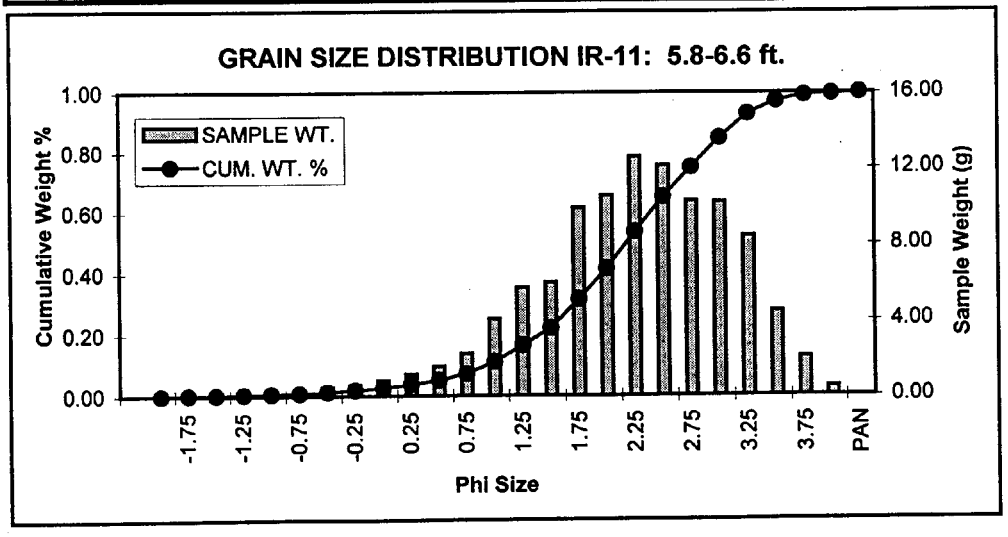


GRAIN SIZE DISTRIBUTION CHART

CORE IR-11: 5.8-6.6 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.193	0	0	0
-1.50	0.052	0	0	0
-1.25	0.172	0.417	0.001640955	0.003978362
-1.00	0.244	0.661	0.002327867	0.006306229
-0.75	0.273	0.934	0.002604539	0.008910768
-0.50	0.455	1.389	0.004340899	0.013251667
-0.25	0.577	1.966	0.005504832	0.018756499
0.00	0.816	2.782	0.007784997	0.026541496
0.25	1.152	3.934	0.010990584	0.037532080
0.50	1.565	5.499	0.014930784	0.052462864
0.75	2.233	7.732	0.021303796	0.073766660
1.00	4.042	11.774	0.038562447	0.112329107
1.25	5.686	17.460	0.054246926	0.166576033
1.50	5.961	23.421	0.056870546	0.223446578
1.75	9.873	33.294	0.094192736	0.317639314
2.00	10.533	43.827	0.100489424	0.418128739
2.25	12.594	56.421	0.120152265	0.538281004
2.50	12.099	68.520	0.115429749	0.653710753
2.75	10.229	78.749	0.097589132	0.751299885
3.00	10.177	88.926	0.097093029	0.848392913
3.25	8.396	97.322	0.080101510	0.928494424
3.50	4.461	101.783	0.042559890	0.971054314
3.75	2.034	103.817	0.019405249	0.990459563
4.00	0.499	104.316	0.004760678	0.995220241
PAN	0.501	104.817	0.004779759	1.0

TOTAL WT.	104.817	grams	
MEDIAN WT.	52.409	grams	
MEAN GRAIN SIZE	2.17	phi	0.2222 mm

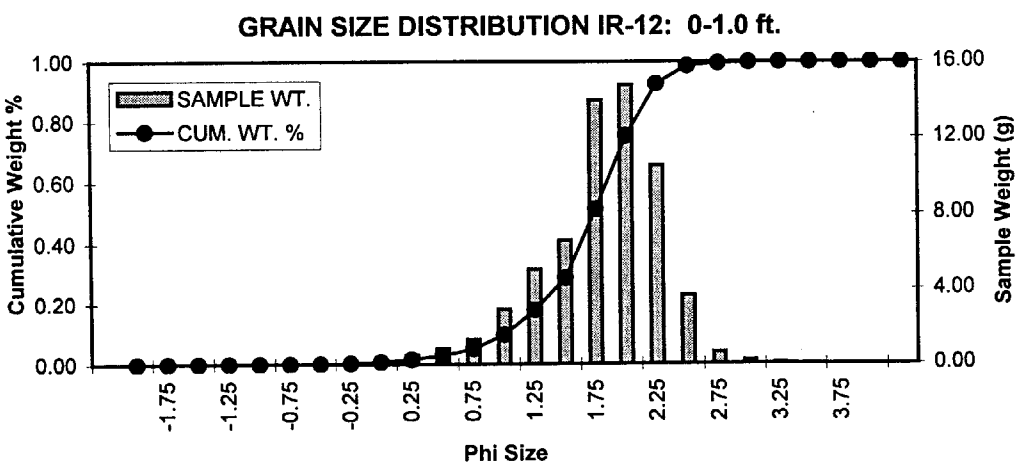


GRAIN SIZE DISTRIBUTION CHART

CORE IR-12: 0-1.0 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.000	0	0	0
-1.50	0.000	0	0	0
-1.25	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000000000	0.000000000
-0.75	0.027	0.027	0.000439933	0.000439933
-0.50	0.040	0.067	0.000651752	0.001091685
-0.25	0.156	0.223	0.002541834	0.003633520
0.00	0.237	0.460	0.003861633	0.007495153
0.25	0.474	0.934	0.007723266	0.015218419
0.50	0.838	1.772	0.013654213	0.028872631
0.75	1.308	3.080	0.021312303	0.050184935
1.00	2.912	5.992	0.047447575	0.097632509
1.25	5.039	11.031	0.082104508	0.179737018
1.50	6.558	17.589	0.106854806	0.286591824
1.75	13.942	31.531	0.227168299	0.513760123
2.00	14.763	46.294	0.240545517	0.754305639
2.25	10.508	56.802	0.171215355	0.925520995
2.50	3.652	60.454	0.059504994	0.985025989
2.75	0.612	61.066	0.009971812	0.994997800
3.00	0.192	61.258	0.003128412	0.998126212
3.25	0.068	61.326	0.001107979	0.999234191
3.50	0.027	61.353	0.000439933	0.999674124
3.75	0.007	61.360	0.000114057	0.999788180
4.00	0.005	61.365	0.000081469	0.999869650
PAN	0.008	61.373	0.000130350	1.0

TOTAL WT.	61.373	grams	
MEDIAN WT.	30.687	grams	
MEAN GRAIN SIZE	1.73	phi	0.3015 mm

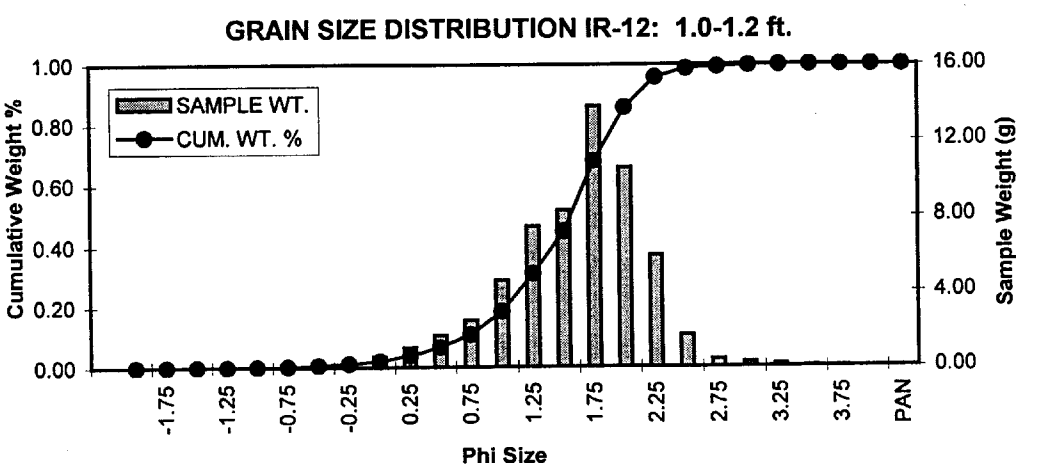


GRAIN SIZE DISTRIBUTION CHART

CORE IR-12: 1.0-1.2 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.000	0	0	0
-1.50	0.000	0	0	0
-1.25	0.000	0.000	0.000000000	0.000000000
-1.00	0.042	0.042	0.000704686	0.000704686
-0.75	0.099	0.141	0.001661046	0.002365732
-0.50	0.228	0.369	0.003825439	0.006191171
-0.25	0.298	0.667	0.004999916	0.011191087
0.00	0.564	1.231	0.009462928	0.020654016
0.25	1.039	2.270	0.017432593	0.038086609
0.50	1.675	3.945	0.028103555	0.066190165
0.75	2.490	6.435	0.041777823	0.107967987
1.00	4.617	11.052	0.077465143	0.185433130
1.25	7.459	18.511	0.125148907	0.310582037
1.50	8.305	26.816	0.139343300	0.449925337
1.75	13.787	40.603	0.231321622	0.681246959
2.00	10.537	51.140	0.176792336	0.858039295
2.25	5.915	57.055	0.099243301	0.957282596
2.50	1.702	58.757	0.028556568	0.985839164
2.75	0.406	59.163	0.006811966	0.992651130
3.00	0.244	59.407	0.004093891	0.996745021
3.25	0.127	59.534	0.002130837	0.998875858
3.50	0.042	59.576	0.000704686	0.999580544
3.75	0.012	59.588	0.000201339	0.999781883
4.00	0.004	59.592	0.000067113	0.999848996
PAN	0.009	59.601	0.000151004	1.0

TOTAL WT.	59.601	grams	
MEDIAN WT.	29.801	grams	
MEAN GRAIN SIZE	1.55	phi	0.3415 mm

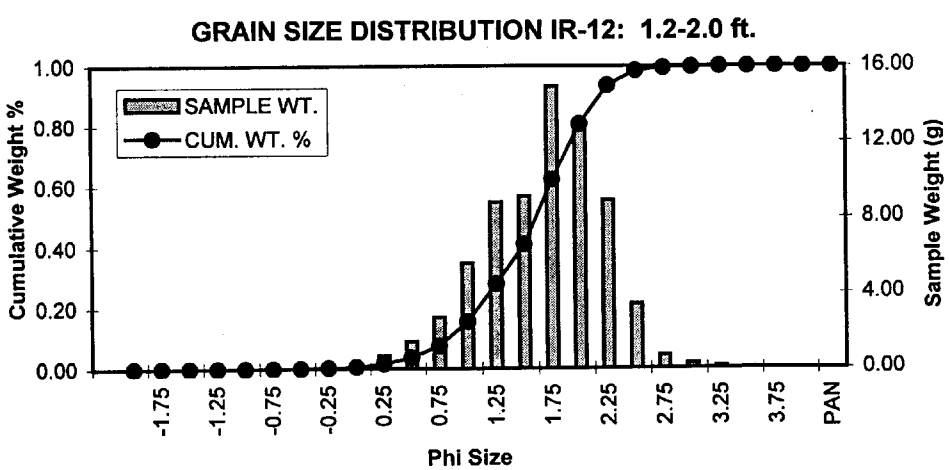


GRAIN SIZE DISTRIBUTION CHART

CORE IR-12: 1.2-2.0 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0	0	0
-1.75	0.000	0	0	0
-1.50	0.000	0	0	0
-1.25	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000000000	0.000000000
-0.75	0.030	0.030	0.000428107	0.000428107
-0.50	0.040	0.070	0.000570809	0.000998915
-0.25	0.126	0.196	0.001798048	0.002796963
0.00	0.248	0.444	0.003539015	0.006335978
0.25	0.697	1.141	0.009946344	0.016282322
0.50	1.451	2.592	0.020706091	0.036988413
0.75	2.713	5.305	0.038715109	0.075703522
1.00	5.598	10.903	0.079884697	0.155588219
1.25	8.793	19.696	0.125478052	0.281066271
1.50	9.097	28.793	0.129816200	0.410882470
1.75	14.918	43.711	0.212883155	0.623765626
2.00	12.886	56.597	0.183886067	0.807651692
2.25	8.913	65.510	0.127190479	0.934842171
2.50	3.425	68.935	0.048875507	0.983717678
2.75	0.681	69.616	0.009718020	0.993435698
3.00	0.249	69.865	0.003553285	0.996988983
3.25	0.111	69.976	0.001583995	0.998572978
3.50	0.049	70.025	0.000699241	0.999272219
3.75	0.027	70.052	0.000385296	0.999657515
4.00	0.009	70.061	0.000128432	0.999785947
PAN	0.015	70.076	0.000214053	1.0

TOTAL WT.	70.076	grams	
MEDIAN WT.	35.038	grams	
MEAN GRAIN SIZE	1.6	phi	0.3299 mm

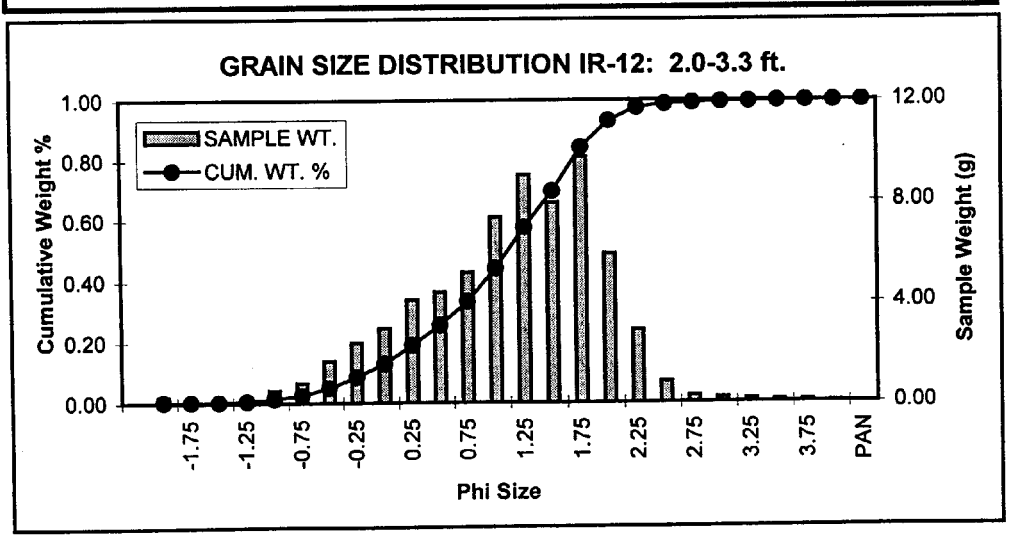


GRAIN SIZE DISTRIBUTION CHART

CORE IR-12: 2.0-3.3 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.247	0	0	0
-1.75	0.000	0	0	0
-1.50	0.000	0	0	0
-1.25	0.164	0.411	0.002451567	0.006143865
-1.00	0.500	0.911	0.007474288	0.013618154
-0.75	0.795	1.706	0.011884119	0.025502272
-0.50	1.667	3.373	0.024919278	0.050421550
-0.25	2.403	5.776	0.035921430	0.086342980
0.00	2.971	8.747	0.044412222	0.130755202
0.25	4.078	12.825	0.060960297	0.191715499
0.50	4.389	17.214	0.065609304	0.257324803
0.75	5.159	22.373	0.077119708	0.334444511
1.00	7.358	29.731	0.109991629	0.444436140
1.25	9.030	38.761	0.134985649	0.579421789
1.50	7.927	46.688	0.118497369	0.697919158
1.75	9.752	56.440	0.145778522	0.843697680
2.00	5.894	62.334	0.088106912	0.931804592
2.25	2.901	65.235	0.043365822	0.975170414
2.50	0.831	66.066	0.012422267	0.987592681
2.75	0.264	66.330	0.003946424	0.991539105
3.00	0.176	66.506	0.002630950	0.994170055
3.25	0.129	66.635	0.001928366	0.996098421
3.50	0.085	66.720	0.001270629	0.997369050
3.75	0.073	66.793	0.001091246	0.998460297
4.00	0.041	66.834	0.000612892	0.999073188
PAN	0.062	66.896	0.000926812	1.0

TOTAL WT.	66.896	grams	
MEDIAN WT.	33.448	grams	
MEAN GRAIN SIZE	1.1	phi	0.4665 mm

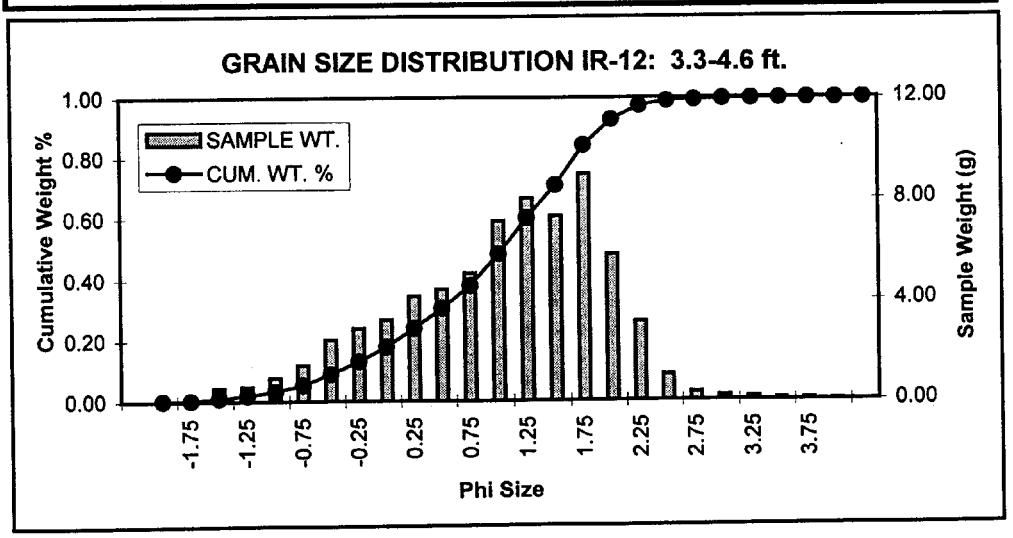


GRAIN SIZE DISTRIBUTION CHART

CORE IR-12: 3.3-4.6 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.120	0	0	0
-1.75	0.068	0	0	0
-1.50	0.518	1	0	0
-1.25	0.587	1.293	0.008631211	0.019012190
-1.00	0.932	2.225	0.013704069	0.032716258
-0.75	1.445	3.670	0.021247188	0.053963446
-0.50	2.442	6.112	0.035907012	0.089870458
-0.25	2.884	8.996	0.042406152	0.132276610
0.00	3.235	12.231	0.047567234	0.179843844
0.25	4.156	16.387	0.061109559	0.240953403
0.50	4.422	20.809	0.065020806	0.305974209
0.75	5.066	25.875	0.074490141	0.380464350
1.00	7.100	32.975	0.104397947	0.484862298
1.25	7.997	40.972	0.117587378	0.602449676
1.50	7.301	48.273	0.107353439	0.709803114
1.75	8.971	57.244	0.131909012	0.841712126
2.00	5.787	63.031	0.085091679	0.926803805
2.25	3.131	66.162	0.046038024	0.972841830
2.50	1.027	67.189	0.015100943	0.987942772
2.75	0.320	67.509	0.004705260	0.992648032
3.00	0.188	67.697	0.002764340	0.995412372
3.25	0.123	67.820	0.001808584	0.997220956
3.50	0.067	67.887	0.000985164	0.998206120
3.75	0.055	67.942	0.000808716	0.999014836
4.00	0.027	67.969	0.000397006	0.999411843
PAN	0.040	68.009	0.000588157	1.0

TOTAL WT.	68.009	grams	
MEDIAN WT.	34.005	grams	
MEAN GRAIN SIZE	1.03	phi	0.4897 mm



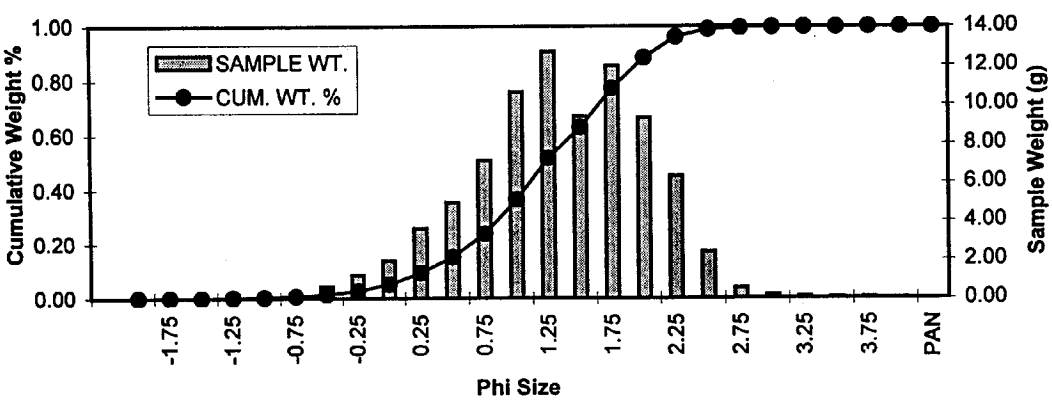
GRAIN SIZE DISTRIBUTION CHART

CORE IR-13 0-0.6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.204	0.204	0.002437625	0.002437625
-1.00	0.135	0.339	0.001613134	0.004050760
-0.75	0.220	0.559	0.002628812	0.006679572
-0.50	0.620	1.179	0.007408470	0.014088041
-0.25	1.191	2.370	0.014231431	0.028319472
0.00	1.949	4.319	0.023288883	0.051608355
0.25	3.609	7.928	0.043124462	0.094732817
0.50	4.959	12.887	0.059255807	0.153988624
0.75	7.127	20.014	0.085161552	0.239150177
1.00	10.647	30.661	0.127222541	0.366372718
1.25	12.722	43.383	0.152017016	0.518389733
1.50	9.407	52.790	0.112405602	0.630795335
1.75	11.977	64.767	0.143114903	0.773910238
2.00	9.292	74.059	0.111031450	0.884941688
2.25	6.324	80.383	0.075566389	0.960508078
2.50	2.401	82.784	0.028689896	0.989197973
2.75	0.517	83.301	0.006177708	0.995375681
3.00	0.187	83.488	0.002234490	0.997610171
3.25	0.088	83.576	0.001051525	0.998661696
3.50	0.053	83.629	0.000633305	0.999295000
3.75	0.042	83.671	0.000501864	0.999796865
4.00	0.012	83.683	0.000143390	0.999940254
PAN	0.005	83.688	0.000059746	1.0

TOTAL WT.	83.688	grams	
MEDIAN WT.	41.844	grams	
MEAN GRAIN SIZE	1.22	phi	0.4293 mm

GRAIN SIZE DISTRIBUTION IR-13: 0-0.6 ft.



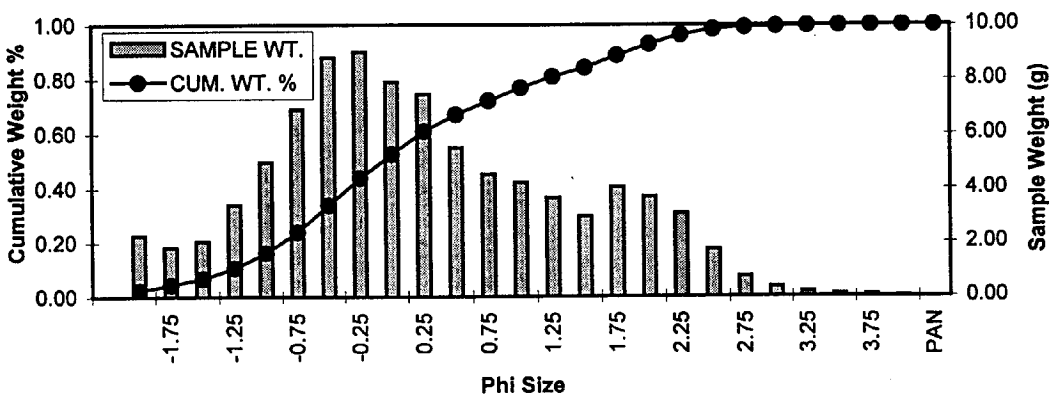
GRAIN SIZE DISTRIBUTION CHART

CORE IR-13: 0.6-0.9 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.252	2.252	0.025175232	0.025175232
-1.75	1.817	4.069	0.020312343	0.045487574
-1.50	2.060	6.129	0.023028853	0.068516428
-1.25	3.389	9.518	0.037885817	0.106402245
-1.00	4.970	14.488	0.055559903	0.161962148
-0.75	6.899	21.387	0.077124300	0.239086448
-0.50	8.819	30.206	0.098588085	0.337674533
-0.25	9.004	39.210	0.100656211	0.438330744
0.00	7.894	47.104	0.088247460	0.526578203
0.25	7.443	54.547	0.083205706	0.609783909
0.50	5.482	60.029	0.061283579	0.671067488
0.75	4.522	64.551	0.050551686	0.721619174
1.00	4.210	68.761	0.047063821	0.768682996
1.25	3.652	72.413	0.040825909	0.809508904
1.50	2.961	75.374	0.033101182	0.842610086
1.75	4.054	79.428	0.045319889	0.887929974
2.00	3.687	83.115	0.041217175	0.929147150
2.25	3.079	86.194	0.034420310	0.963567460
2.50	1.734	87.928	0.019384481	0.982951941
2.75	0.756	88.684	0.008451366	0.991403307
3.00	0.370	89.054	0.004136250	0.995539557
3.25	0.192	89.246	0.002146379	0.997685936
3.50	0.093	89.339	0.001039652	0.998725588
3.75	0.068	89.407	0.000760176	0.999485763
4.00	0.025	89.432	0.000279476	0.999765240
PAN	0.021	89.453	0.000234760	1.0

TOTAL WT.	89.453	grams	
MEDIAN WT.	44.727	grams	
MEAN GRAIN SIZE	-0.08	phi	1.0570 mm

GRAIN SIZE DISTRIBUTION IR-13: 0.6-0.9 ft.



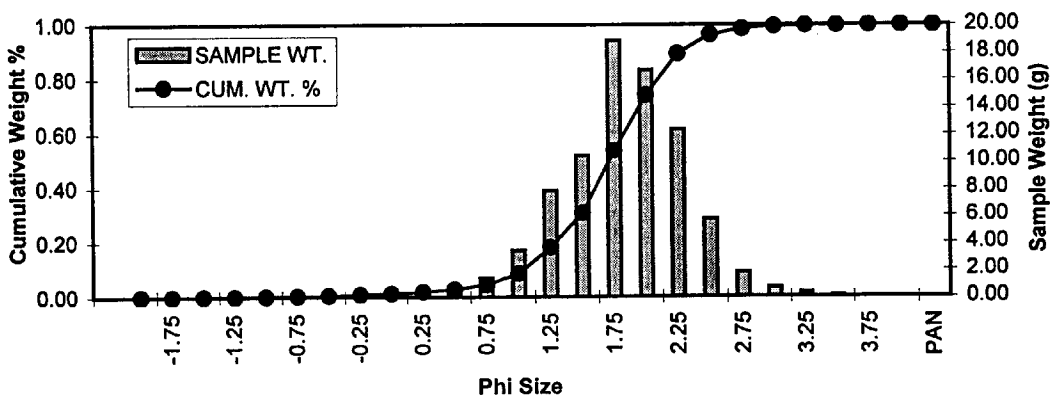
GRAIN SIZE DISTRIBUTION CHART

CORE IR-13: 0.9-1.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.055	0.055	0.000671994	0.000671994
-1.25	0.038	0.093	0.000464287	0.001136280
-1.00	0.127	0.220	0.001551695	0.002687975
-0.75	0.117	0.337	0.001429514	0.004117489
-0.50	0.168	0.505	0.002052635	0.006170124
-0.25	0.288	0.793	0.003518804	0.009688928
0.00	0.263	1.056	0.003213352	0.012902280
0.25	0.489	1.545	0.005974635	0.018876915
0.50	0.727	2.272	0.008882535	0.027759451
0.75	1.403	3.675	0.017141950	0.044901400
1.00	3.432	7.107	0.041932410	0.086833810
1.25	7.792	14.899	0.095203186	0.182036996
1.50	10.398	25.297	0.127043472	0.309080468
1.75	18.807	44.104	0.229785206	0.538865675
2.00	16.656	60.760	0.203504142	0.742369816
2.25	12.345	73.105	0.150832050	0.893201867
2.50	5.724	78.829	0.069936222	0.963138089
2.75	1.802	80.631	0.022016959	0.985155047
3.00	0.694	81.325	0.008479339	0.993634387
3.25	0.314	81.639	0.003836473	0.997470860
3.50	0.111	81.750	0.001356206	0.998827065
3.75	0.064	81.814	0.000781956	0.999609022
4.00	0.018	81.832	0.000219925	0.999828947
PAN	0.014	81.846	0.000171053	1.0

TOTAL WT.	81.846	grams	
MEDIAN WT.	40.923	grams	
MEAN GRAIN SIZE	1.71	phi	0.3057 mm

GRAIN SIZE DISTRIBUTION IR-13: 0.9-1.1 ft.



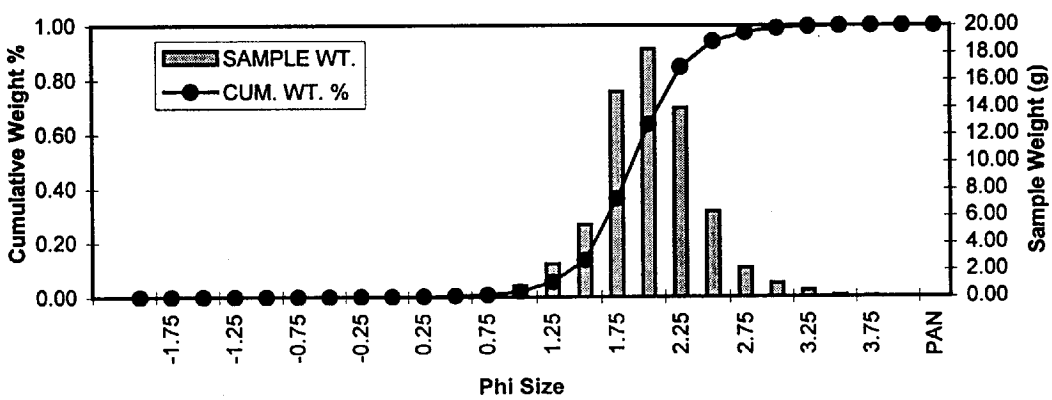
GRAIN SIZE DISTRIBUTION CHART

CORE IR-13: 1.1-1.2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000000000	0.000000000
-0.75	0.009	0.009	0.000135222	0.000135222
-0.50	0.010	0.019	0.000150247	0.000285470
-0.25	0.036	0.055	0.000540890	0.000826359
0.00	0.031	0.086	0.000465766	0.001292126
0.25	0.059	0.145	0.000886458	0.002178584
0.50	0.136	0.281	0.002043361	0.004221945
0.75	0.258	0.539	0.003876377	0.008098322
1.00	0.781	1.320	0.011734303	0.019832625
1.25	2.406	3.726	0.036149466	0.055982091
1.50	5.342	9.068	0.080262031	0.136244122
1.75	15.139	24.207	0.227459170	0.363703292
2.00	18.243	42.450	0.274095888	0.637799180
2.25	13.938	56.388	0.209414487	0.847213666
2.50	6.323	62.711	0.095001277	0.942214944
2.75	2.127	64.838	0.031957570	0.974172514
3.00	1.006	65.844	0.015114864	0.989287378
3.25	0.495	66.339	0.007437234	0.996724612
3.50	0.138	66.477	0.002073411	0.998798023
3.75	0.054	66.531	0.000811335	0.999609357
4.00	0.016	66.547	0.000240395	0.999849753
PAN	0.010	66.557	0.000150247	1.0

TOTAL WT.	66.557	grams	
MEDIAN WT.	33.279	grams	
MEAN GRAIN SIZE	1.87	phi	0.2736 mm

GRAIN SIZE DISTRIBUTION IR-13: 1.1-1.2 ft.



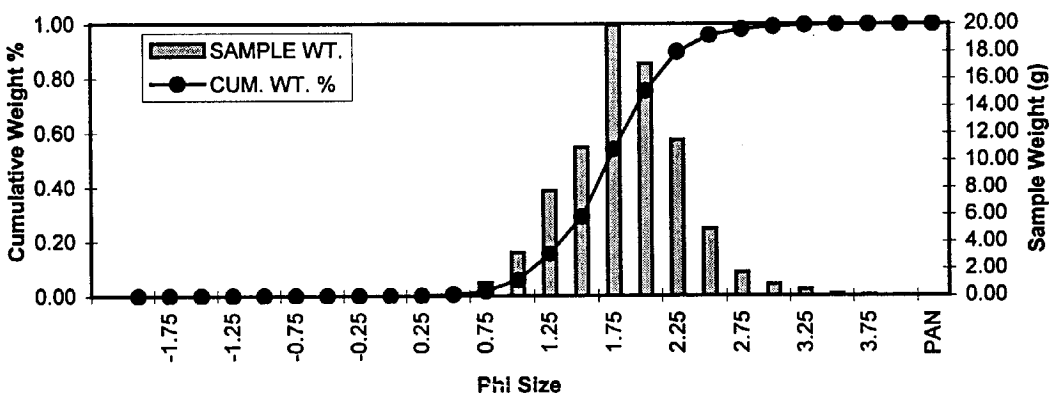
GRAIN SIZE DISTRIBUTION CHART

CORE IR-13: 1.2-3.3 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000000000	0.000000000
-0.75	0.000	0.000	0.000000000	0.000000000
-0.50	0.000	0.000	0.000000000	0.000000000
-0.25	0.008	0.008	0.000099935	0.000099935
0.00	0.030	0.038	0.000374756	0.000474691
0.25	0.098	0.136	0.001224204	0.001698896
0.50	0.358	0.494	0.004472093	0.006170989
0.75	0.952	1.446	0.011892270	0.018063259
1.00	3.170	4.616	0.039599260	0.057662519
1.25	7.742	12.358	0.096712137	0.154374656
1.50	10.940	23.298	0.136661170	0.291035827
1.75	19.935	43.233	0.249025633	0.540061460
2.00	17.097	60.330	0.213573677	0.753635137
2.25	11.478	71.808	0.143381802	0.897016939
2.50	4.936	76.744	0.061659921	0.958676860
2.75	1.696	78.440	0.021186229	0.979863089
3.00	0.836	79.276	0.010443212	0.990306301
3.25	0.473	79.749	0.005908659	0.996214960
3.50	0.165	79.914	0.002061160	0.998276121
3.75	0.087	80.001	0.001086794	0.999362914
4.00	0.030	80.031	0.000374756	0.999737671
PAN	0.021	80.052	0.000262329	1.0

TOTAL WT.	80.052	grams	
MEDIAN WT.	40.026	grams	
MEAN GRAIN SIZE	1.71	phi	0.3057 mm

GRAIN SIZE DISTRIBUTION IR-13: 1.2-3.3 ft.

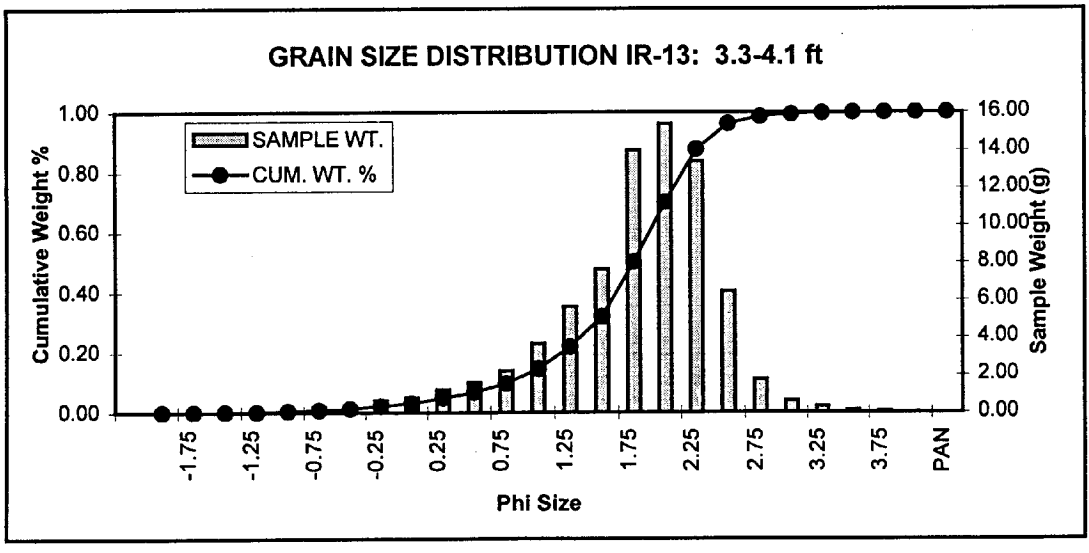


GRAIN SIZE DISTRIBUTION CHART

CORE IR-13: 3.3-4.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.069	0.069	0.000900196	0.000900196
-1.25	0.047	0.116	0.000613177	0.001513372
-1.00	0.175	0.291	0.002283105	0.003796477
-0.75	0.298	0.589	0.003887802	0.007684279
-0.50	0.357	0.946	0.004657534	0.012341813
-0.25	0.655	1.601	0.008545336	0.020887149
0.00	0.809	2.410	0.010554468	0.031441618
0.25	1.236	3.646	0.016125245	0.047566862
0.50	1.612	5.258	0.021030659	0.068597521
0.75	2.231	7.489	0.029106327	0.097703849
1.00	3.680	11.169	0.048010437	0.145714286
1.25	5.658	16.827	0.073816047	0.219530333
1.50	7.634	24.461	0.099595564	0.319125897
1.75	13.990	38.451	0.182517939	0.501643836
2.00	15.371	53.822	0.200534899	0.702178735
2.25	13.421	67.243	0.175094586	0.877273320
2.50	6.464	73.707	0.084331376	0.961604697
2.75	1.759	75.466	0.022948467	0.984553164
3.00	0.628	76.094	0.008193085	0.992746249
3.25	0.319	76.413	0.004161774	0.996908023
3.50	0.128	76.541	0.001669928	0.998577952
3.75	0.066	76.607	0.000861057	0.999439008
4.00	0.022	76.629	0.000287019	0.999726027
PAN	0.021	76.650	0.000273973	1.0

TOTAL WT.	76.650	grams	
MEDIAN WT.	38.325	grams	
MEAN GRAIN SIZE	1.75	phi	0.2973 mm



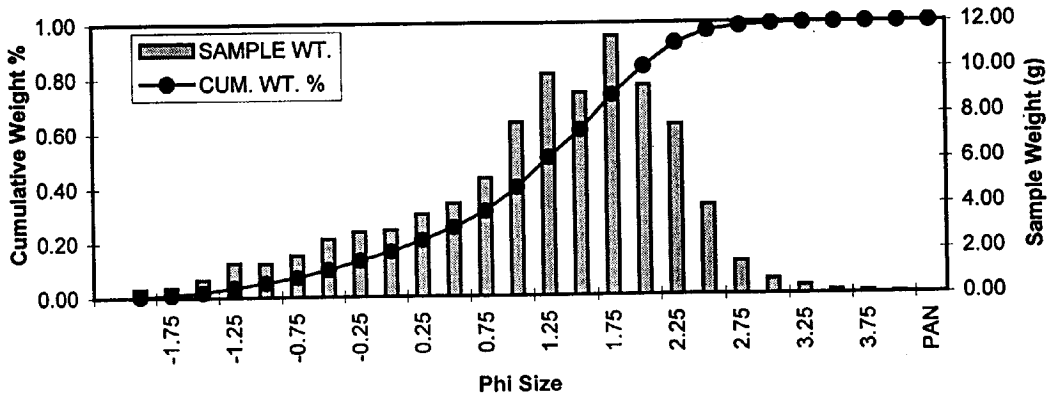
GRAIN SIZE DISTRIBUTION CHART

CORE IR-13: 4.1-6.4 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.390	0.390	0.004385077	0.004385077
-1.75	0.425	0.815	0.004778610	0.009163687
-1.50	0.766	1.581	0.008612741	0.017776429
-1.25	1.523	3.104	0.017124289	0.034900717
-1.00	1.486	4.590	0.016708269	0.051608986
-0.75	1.837	6.427	0.020654838	0.072263824
-0.50	2.550	8.977	0.028671659	0.100935483
-0.25	2.866	11.843	0.032224696	0.133160179
0.00	2.957	14.800	0.033247881	0.166408060
0.25	3.651	18.451	0.041051069	0.207459129
0.50	4.112	22.563	0.046234455	0.253693584
0.75	5.190	27.753	0.058355259	0.312048843
1.00	7.646	35.399	0.085970002	0.398018845
1.25	9.748	45.147	0.109604444	0.507623288
1.50	8.906	54.053	0.100137174	0.607760462
1.75	11.386	65.439	0.128021768	0.735782230
2.00	9.249	74.688	0.103993793	0.839776024
2.25	7.533	82.221	0.084699454	0.924475477
2.50	3.976	86.197	0.044705300	0.969180778
2.75	1.453	87.650	0.016337224	0.985518001
3.00	0.635	88.285	0.007139805	0.992657807
3.25	0.352	88.637	0.003957813	0.996615620
3.50	0.136	88.773	0.001529155	0.998144775
3.75	0.087	88.860	0.000978210	0.999122985
4.00	0.036	88.896	0.000404776	0.999527761
PAN	0.042	88.938	0.000472239	1.0

TOTAL WT.	88.938	grams	
MEDIAN WT.	44.469	grams	
MEAN GRAIN SIZE	1.23	phi	0.4263 mm

GRAIN SIZE DISTRIBUTION IR-13: 4.1-6.4 ft.



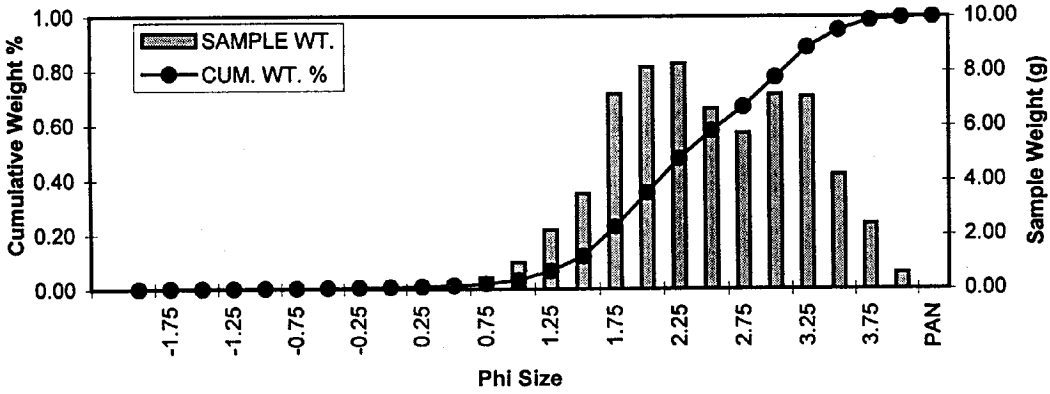
GRAIN SIZE DISTRIBUTION CHART

CORE IR-13: 6.4-7.3 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.041	0.041	0.000626863	0.000626863
-1.75	0.079	0.120	0.001207859	0.001834722
-1.50	0.000	0.120	0.000000000	0.001834722
-1.25	0.047	0.167	0.000718599	0.002553322
-1.00	0.029	0.196	0.000443391	0.002996713
-0.75	0.044	0.240	0.000672731	0.003669444
-0.50	0.059	0.299	0.000902072	0.004571516
-0.25	0.061	0.360	0.000932650	0.005504166
0.00	0.076	0.436	0.001161991	0.006666157
0.25	0.149	0.585	0.002278113	0.008944270
0.50	0.238	0.823	0.003638866	0.012583136
0.75	0.401	1.224	0.006131030	0.018714166
1.00	0.975	2.199	0.014907117	0.033621283
1.25	2.166	4.365	0.033116734	0.066738017
1.50	3.484	7.849	0.053268099	0.120006116
1.75	7.136	14.985	0.109104809	0.229110924
2.00	8.146	23.131	0.124547053	0.353657977
2.25	8.269	31.400	0.126427643	0.480085620
2.50	6.616	38.016	0.101154346	0.581239966
2.75	5.733	43.749	0.087653849	0.668893815
3.00	7.146	50.895	0.109257702	0.778151517
3.25	7.071	57.966	0.108111001	0.886262518
3.50	4.221	62.187	0.064536350	0.950798869
3.75	2.400	64.587	0.036694442	0.987493311
4.00	0.589	65.176	0.009005428	0.996498739
PAN	0.229	65.405	0.003501261	1.0

TOTAL WT.	65.405	grams	
MEDIAN WT.	32.703	grams	
MEAN GRAIN SIZE	2.3	phi	o.2031 mm

GRAIN SIZE DISTRIBUTION IR-13: 6.4-7.3 ft.



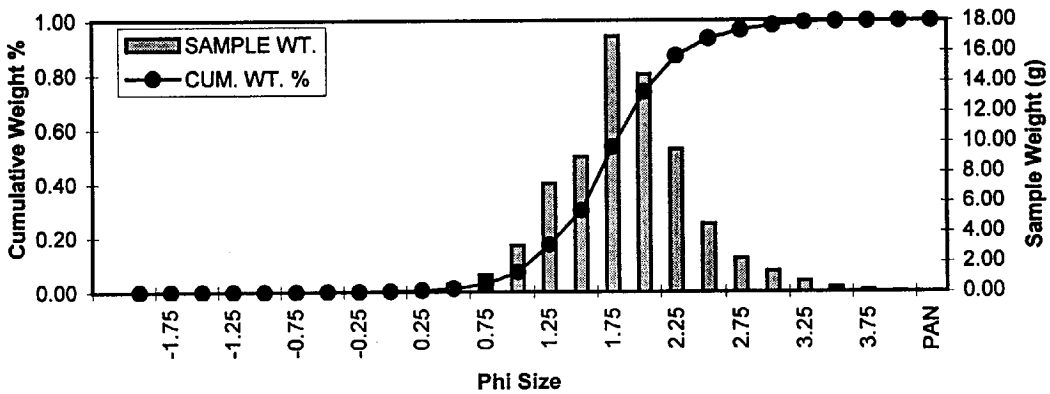
GRAIN SIZE DISTRIBUTION CHART

CORE IR-14: 0-0.9 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000000000	0.000000000
-0.75	0.024	0.024	0.000335064	0.000335064
-0.50	0.019	0.043	0.000265259	0.000600324
-0.25	0.067	0.110	0.000935388	0.001535712
0.00	0.111	0.221	0.001549673	0.003085386
0.25	0.254	0.475	0.003546099	0.006631485
0.50	0.513	0.988	0.007162004	0.013793489
0.75	1.144	2.132	0.015971408	0.029764896
1.00	3.107	5.239	0.043376892	0.073141788
1.25	7.234	12.473	0.100994025	0.174135813
1.50	9.007	21.480	0.125746915	0.299882727
1.75	16.967	38.447	0.236876640	0.536759368
2.00	14.439	52.886	0.201583180	0.738342548
2.25	9.502	62.388	0.132657620	0.871000168
2.50	4.499	66.887	0.062810633	0.933810800
2.75	2.190	69.077	0.030574636	0.964385436
3.00	1.365	70.442	0.019056793	0.983442229
3.25	0.727	71.169	0.010149662	0.993591891
3.50	0.288	71.457	0.004020774	0.997612665
3.75	0.115	71.572	0.001605517	0.999218183
4.00	0.026	71.598	0.000362987	0.999581169
PAN	0.030	71.628	0.000418831	1.0

TOTAL WT.	71.628	grams	
MEDIAN WT.	35.814	grams	
MEAN GRAIN SIZE	1.71	phi	0.3057 mm

GRAIN SIZE DISTRIBUTION IR-14: 0-0.9 ft.



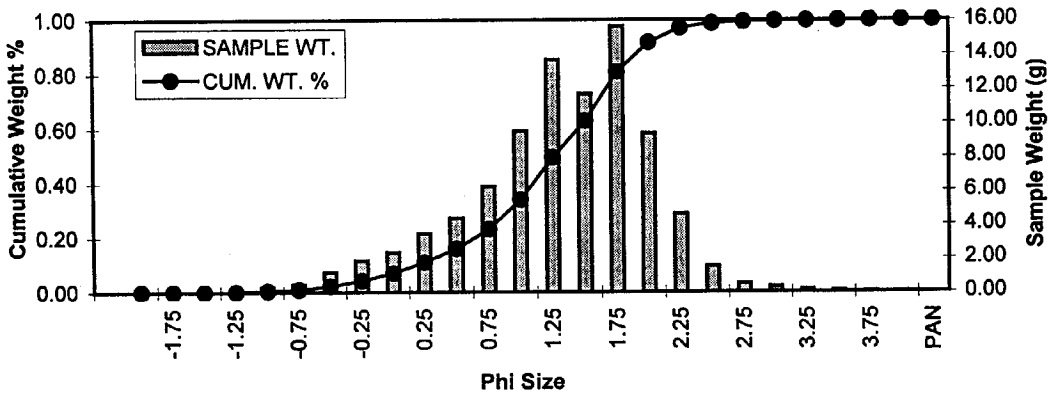
GRAIN SIZE DISTRIBUTION CHART

CORE IR-14: 0.9-2.4 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.094	0.094	0.001075318	0.001075318
-1.00	0.279	0.373	0.003191635	0.004266953
-0.75	0.461	0.834	0.005273634	0.009540588
-0.50	1.172	2.006	0.013407157	0.022947744
-0.25	1.857	3.863	0.021243251	0.044190995
0.00	2.366	6.229	0.027065983	0.071256978
0.25	3.481	9.710	0.039821085	0.111078064
0.50	4.380	14.090	0.050105244	0.161183307
0.75	6.250	20.340	0.071497209	0.232680516
1.00	9.498	29.838	0.108652878	0.341333394
1.25	13.665	43.503	0.156321497	0.497654892
1.50	11.678	55.181	0.133591105	0.631245996
1.75	15.639	70.820	0.178903176	0.810149172
2.00	9.355	80.175	0.107017022	0.917166194
2.25	4.616	84.791	0.052804978	0.969971172
2.50	1.506	86.297	0.017227967	0.987199140
2.75	0.495	86.792	0.005662579	0.992861719
3.00	0.300	87.092	0.003431866	0.996293585
3.25	0.162	87.254	0.001853208	0.998146792
3.50	0.085	87.339	0.000972362	0.999119154
3.75	0.041	87.380	0.000469022	0.999588176
4.00	0.015	87.395	0.000171593	0.999759769
PAN	0.021	87.416	0.000240231	1.0

TOTAL WT.	87.416	grams	
MEDIAN WT.	43.708	grams	
MEAN GRAIN SIZE	1.25	phi	0.4204 mm

GRAIN SIZE DISTRIBUTION IR-14: 0.9-2.4 ft.



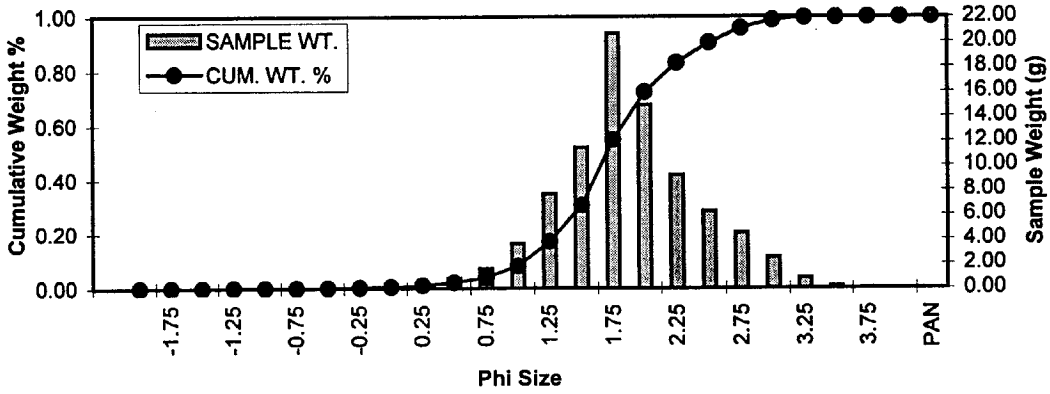
GRAIN SIZE DISTRIBUTION CHART

CORE IR-14: 2.4-3.0 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.039	0.039	0.000457446	0.000457446
-1.25	0.050	0.089	0.000586469	0.001043915
-1.00	0.017	0.106	0.000199399	0.001243314
-0.75	0.013	0.119	0.000152482	0.001395796
-0.50	0.044	0.163	0.000516093	0.001911889
-0.25	0.147	0.310	0.001724219	0.003636108
0.00	0.233	0.543	0.002732945	0.006369053
0.25	0.478	1.021	0.005606644	0.011975697
0.50	0.840	1.861	0.009852679	0.021828376
0.75	1.596	3.457	0.018720090	0.040548466
1.00	3.619	7.076	0.042448625	0.082997091
1.25	7.667	14.743	0.089929155	0.172926246
1.50	11.446	26.189	0.134254481	0.307180726
1.75	20.677	46.866	0.242528385	0.549709111
2.00	14.892	61.758	0.174673923	0.724383035
2.25	9.196	70.954	0.107863376	0.832246411
2.50	6.272	77.226	0.073566670	0.905813081
2.75	4.495	81.721	0.052723562	0.958536643
3.00	2.502	84.223	0.029346908	0.987883551
3.25	0.826	85.049	0.009688468	0.997572018
3.50	0.144	85.193	0.001689031	0.999261049
3.75	0.034	85.227	0.000398799	0.999659848
4.00	0.009	85.236	0.000105564	0.999765412
PAN	0.020	85.256	0.000234588	1.0

TOTAL WT.	85.256	grams	
MEDIAN WT.	42.628	grams	
MEAN GRAIN SIZE	1.7	phi	0.3078 mm

GRAIN SIZE DISTRIBUTION IR-14: 2.4-3.0 ft.



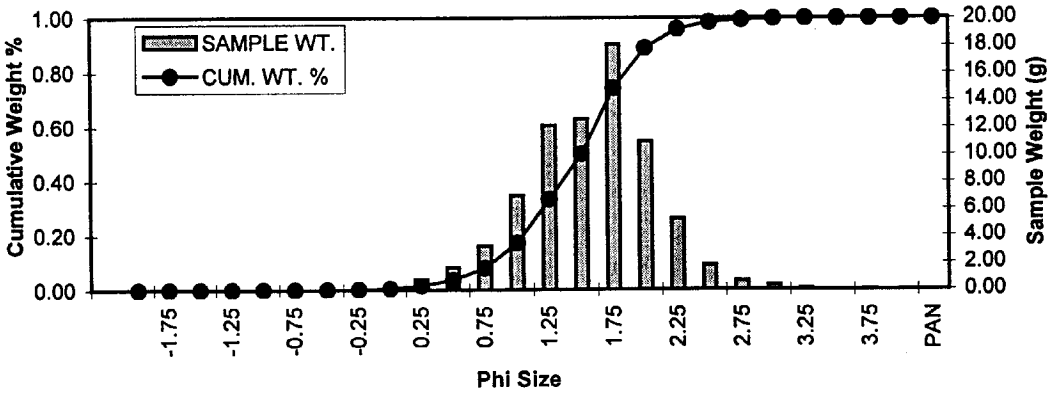
GRAIN SIZE DISTRIBUTION CHART

CORE IR-14: 3.0-3.4 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000000000	0.000000000
-0.75	0.000	0.000	0.000000000	0.000000000
-0.50	0.007	0.007	0.000093416	0.000093416
-0.25	0.099	0.106	0.001321163	0.001414578
0.00	0.230	0.336	0.003069368	0.004483946
0.25	0.789	1.125	0.010529266	0.015013212
0.50	1.648	2.773	0.021992687	0.037005899
0.75	3.217	5.990	0.042931113	0.079937011
1.00	6.928	12.918	0.092454693	0.172391705
1.25	12.125	25.043	0.161809059	0.334200763
1.50	12.589	37.632	0.168001174	0.502201938
1.75	18.061	55.693	0.241025436	0.743227373
2.00	10.955	66.648	0.146195319	0.889422692
2.25	5.250	71.898	0.070061654	0.959484346
2.50	1.831	73.729	0.024434836	0.983919182
2.75	0.664	74.393	0.008861131	0.992780313
3.00	0.355	74.748	0.004737502	0.997517816
3.25	0.103	74.851	0.001374543	0.998892359
3.50	0.035	74.886	0.000467078	0.999359436
3.75	0.019	74.905	0.000253556	0.999612993
4.00	0.010	74.915	0.000133451	0.999746444
PAN	0.019	74.934	0.000253556	1.0

TOTAL WT.	74.934	grams	
MEDIAN WT.	37.467	grams	
MEAN GRAIN SIZE	1.5	phi	0.3536 mm

GRAIN SIZE DISTRIBUTION IR-14: 3.0-3.4 ft.

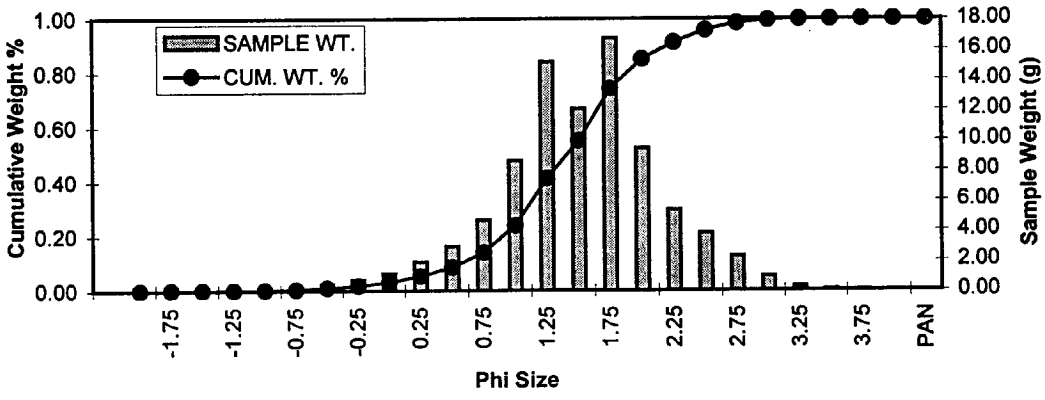


GRAIN SIZE DISTRIBUTION CHART

CORE IR-14: 3.4-3.7 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.064	0.064	0.000733054	0.000733054
-1.50	0.000	0.064	0.000000000	0.000733054
-1.25	0.023	0.087	0.000263441	0.000996495
-1.00	0.126	0.213	0.001443200	0.002439695
-0.75	0.239	0.452	0.002737498	0.005177193
-0.50	0.450	0.902	0.005154285	0.010331478
-0.25	0.741	1.643	0.008487389	0.018818867
0.00	1.150	2.793	0.013172061	0.031990928
0.25	1.939	4.732	0.022209241	0.054200170
0.50	2.950	7.682	0.033789201	0.087989371
0.75	4.693	12.375	0.053753465	0.141742836
1.00	8.647	21.022	0.099042448	0.240785284
1.25	15.170	36.192	0.173756672	0.414541956
1.50	12.063	48.255	0.138169198	0.552711154
1.75	16.730	64.985	0.191624860	0.744336014
2.00	9.462	74.447	0.108377431	0.852713445
2.25	5.370	79.817	0.061507800	0.914221245
2.50	3.834	83.651	0.043914508	0.958135752
2.75	2.294	85.945	0.026275399	0.984411152
3.00	0.966	86.911	0.011064532	0.995475683
3.25	0.271	87.182	0.003104025	0.998579708
3.50	0.055	87.237	0.000629968	0.999209676
3.75	0.030	87.267	0.000343619	0.999553295
4.00	0.015	87.282	0.000171809	0.999725105
PAN	0.024	87.306	0.000274895	1.0

TOTAL WT.	87.306	grams	
MEDIAN WT.	43.653	grams	
MEAN GRAIN SIZE	1.4	phi	0.3789 mm

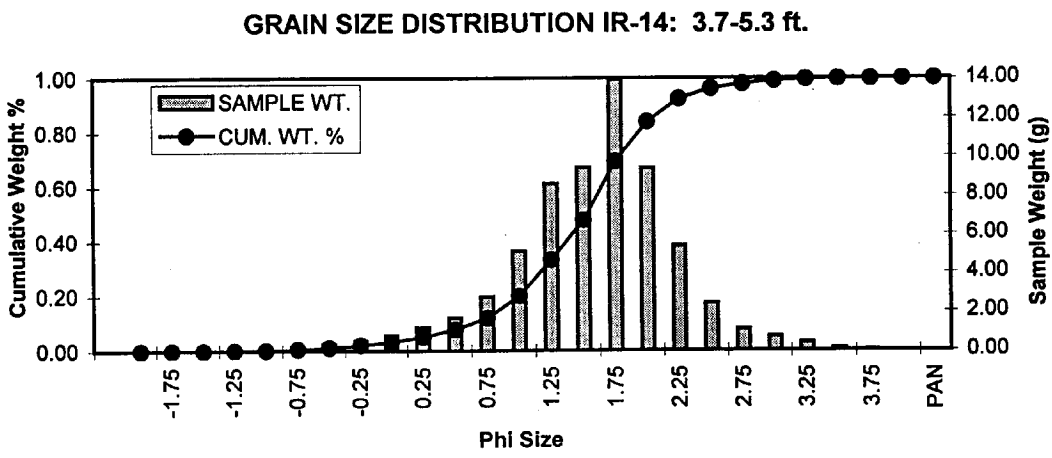


GRAIN SIZE DISTRIBUTION CHART

CORE IR-14: 3.7-5.3 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.076	0.076	0.001180986	0.001180986
-1.00	0.084	0.160	0.001305300	0.002486287
-0.75	0.245	0.405	0.003807126	0.006293413
-0.50	0.350	0.755	0.005438752	0.011732165
-0.25	0.512	1.267	0.007956117	0.019688282
0.00	0.800	2.067	0.012431433	0.032119715
0.25	1.204	3.271	0.018709306	0.050829021
0.50	1.666	4.937	0.025888459	0.076717480
0.75	2.771	7.708	0.043059376	0.119776856
1.00	5.117	12.825	0.079514553	0.199291408
1.25	8.578	21.403	0.133296039	0.332587447
1.50	9.398	30.801	0.146038258	0.478625705
1.75	13.898	44.699	0.215965068	0.694590773
2.00	9.381	54.080	0.145774090	0.840364863
2.25	5.378	59.458	0.083570308	0.923935170
2.50	2.427	61.885	0.037713859	0.961649030
2.75	1.114	62.999	0.017310770	0.978959800
3.00	0.722	63.721	0.011219368	0.990179168
3.25	0.407	64.128	0.006324491	0.996503660
3.50	0.131	64.259	0.002035647	0.998539307
3.75	0.051	64.310	0.000792504	0.999331810
4.00	0.019	64.329	0.000295247	0.999627057
PAN	0.024	64.353	0.000372943	1.0

TOTAL WT.	64.353	grams	
MEDIAN WT.	32.177	grams	
MEAN GRAIN SIZE	1.52	phi	0.3487 mm



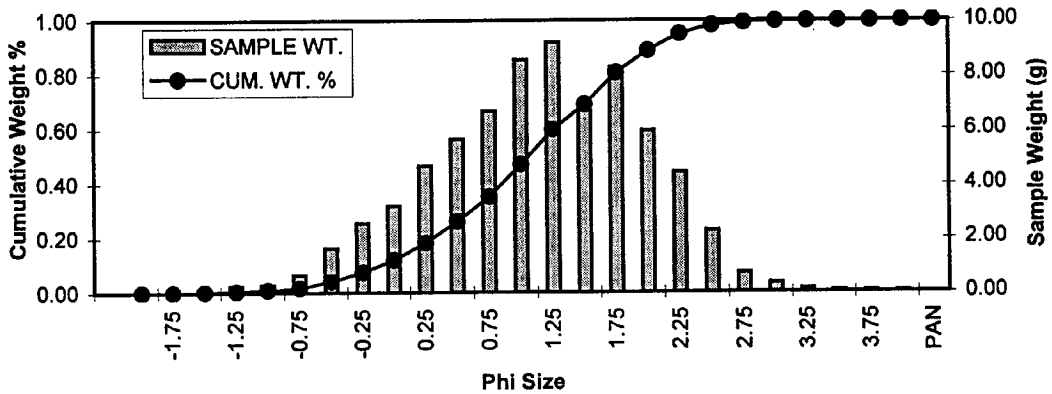
GRAIN SIZE DISTRIBUTION CHART

CORE IR-14: 5.3-7.1 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.031	0.031	0.000427751	0.000427751
-1.50	0.104	0.135	0.001435037	0.001862788
-1.25	0.241	0.376	0.003325422	0.005188211
-1.00	0.279	0.655	0.003849763	0.009037973
-0.75	0.659	1.314	0.009093167	0.018131140
-0.50	1.643	2.957	0.022670825	0.040801965
-0.25	2.551	5.508	0.035199801	0.076001766
0.00	3.204	8.712	0.044210178	0.120211944
0.25	4.665	13.377	0.064369688	0.184581632
0.50	5.656	19.033	0.078043934	0.262625566
0.75	6.687	25.720	0.092270118	0.354895684
1.00	8.558	34.278	0.118086985	0.472982669
1.25	9.213	43.491	0.127124959	0.600107628
1.50	6.717	50.208	0.092684071	0.692791699
1.75	8.258	58.466	0.113947456	0.806739154
2.00	5.974	64.440	0.082431836	0.889170990
2.25	4.431	68.871	0.061140854	0.950311845
2.50	2.281	71.152	0.031474225	0.981786069
2.75	0.718	71.870	0.009907275	0.991693344
3.00	0.326	72.196	0.004498289	0.996191633
3.25	0.125	72.321	0.001724804	0.997916437
3.50	0.056	72.377	0.000772712	0.998689149
3.75	0.033	72.410	0.000455348	0.999144497
4.00	0.021	72.431	0.000289767	0.999434264
PAN	0.041	72.472	0.000565736	1.0

TOTAL WT.	72.472	grams	
MEDIAN WT.	36.236	grams	
MEAN GRAIN SIZE	1.05	phi	0.4830 mm

GRAIN SIZE DISTRIBUTION IR-14: 5.3-7.1 ft.

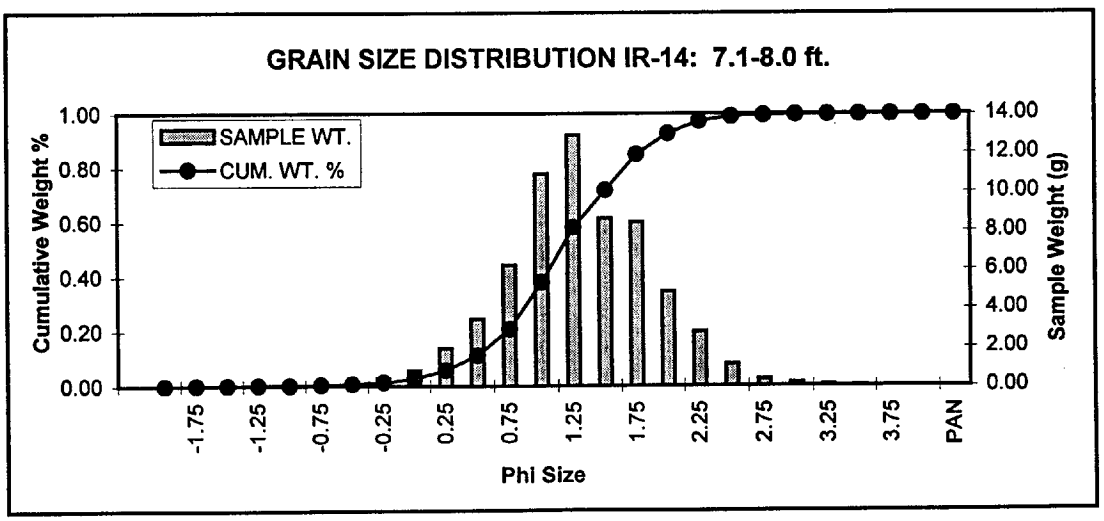


GRAIN SIZE DISTRIBUTION CHART

CORE IR-14: 7.1-8.0 ft.

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.054	0.054	0.000848203	0.000848203
-1.50	0.031	0.085	0.000486931	0.001335134
-1.25	0.033	0.118	0.000518346	0.001853481
-1.00	0.063	0.181	0.000989570	0.002843051
-0.75	0.154	0.335	0.002418949	0.005262001
-0.50	0.206	0.541	0.003235738	0.008497738
-0.25	0.389	0.930	0.006110204	0.014607942
0.00	0.811	1.741	0.012738753	0.027346695
0.25	1.942	3.683	0.030503895	0.057850591
0.50	3.450	7.133	0.054190751	0.112041342
0.75	6.201	13.334	0.097401985	0.209443327
1.00	10.901	24.235	0.171227067	0.380670395
1.25	12.885	37.120	0.202390676	0.583061071
1.50	8.611	45.731	0.135256974	0.718318045
1.75	8.442	54.173	0.132602413	0.850920457
2.00	4.862	59.035	0.076369691	0.927290148
2.25	2.801	61.836	0.043996607	0.971286755
2.50	1.122	62.958	0.017623775	0.988910530
2.75	0.340	63.298	0.005340538	0.994251068
3.00	0.169	63.467	0.002654561	0.996905630
3.25	0.075	63.542	0.001178060	0.998083689
3.50	0.038	63.580	0.000596884	0.998680573
3.75	0.028	63.608	0.000439809	0.999120382
4.00	0.014	63.622	0.000219904	0.999340287
PAN	0.042	63.664	0.000659713	1.0

TOTAL WT.	63.664	grams	
MEDIAN WT.	31.832	grams	
MEAN GRAIN SIZE	1.15	phi	0.4506 mm

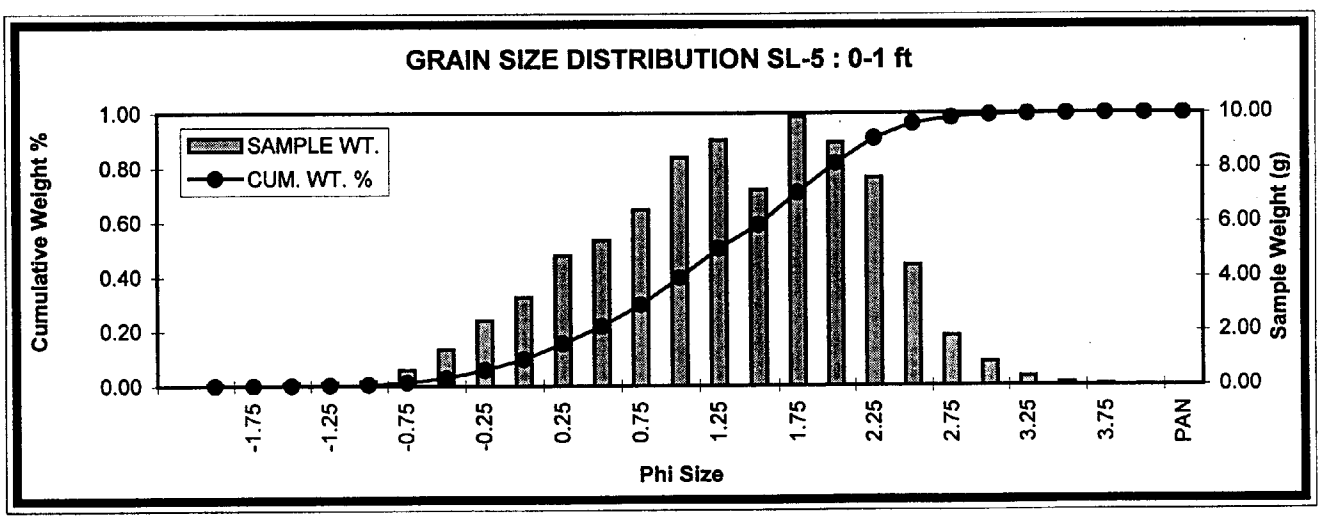


GRAIN SIZE DISTRIBUTION CHART

CORE SL-5 : 0-1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.086	0.086	0.001031225	0.001031225
-1.75	0.000	0.086	0.000000000	0.001031225
-1.50	0.118	0.204	0.001414936	0.002446160
-1.25	0.134	0.338	0.001606792	0.004052952
-1.00	0.196	0.534	0.002350233	0.006403185
-0.75	0.601	1.135	0.007206581	0.013609765
-0.50	1.347	2.482	0.016151854	0.029761619
-0.25	2.390	4.872	0.028658449	0.058420068
0.00	3.255	8.127	0.039030649	0.097450717
0.25	4.787	12.914	0.057400835	0.154851552
0.50	5.343	18.257	0.064067821	0.218919373
0.75	6.479	24.736	0.077689577	0.296608950
1.00	8.374	33.110	0.100412490	0.397021440
1.25	9.023	42.133	0.108194638	0.505216078
1.50	7.198	49.331	0.086311094	0.591527172
1.75	9.876	59.207	0.118422946	0.709950118
2.00	8.918	68.125	0.106935584	0.816885702
2.25	7.634	75.759	0.091539163	0.908424865
2.50	4.450	80.209	0.053359873	0.961784738
2.75	1.827	82.036	0.021907526	0.983692263
3.00	0.855	82.891	0.010252290	0.993944554
3.25	0.335	83.226	0.004016979	0.997961533
3.50	0.096	83.322	0.001151134	0.999112667
3.75	0.033	83.355	0.000395702	0.999508370
4.00	0.014	83.369	0.000167874	0.999676243
PAN	0.027	83.396	0.000323757	1.0

TOTAL WT.	83.396	grams	
MEDIAN WT.	41.698	grams	
MEAN GRAIN SIZE	1.26	phi	0.4175 mm

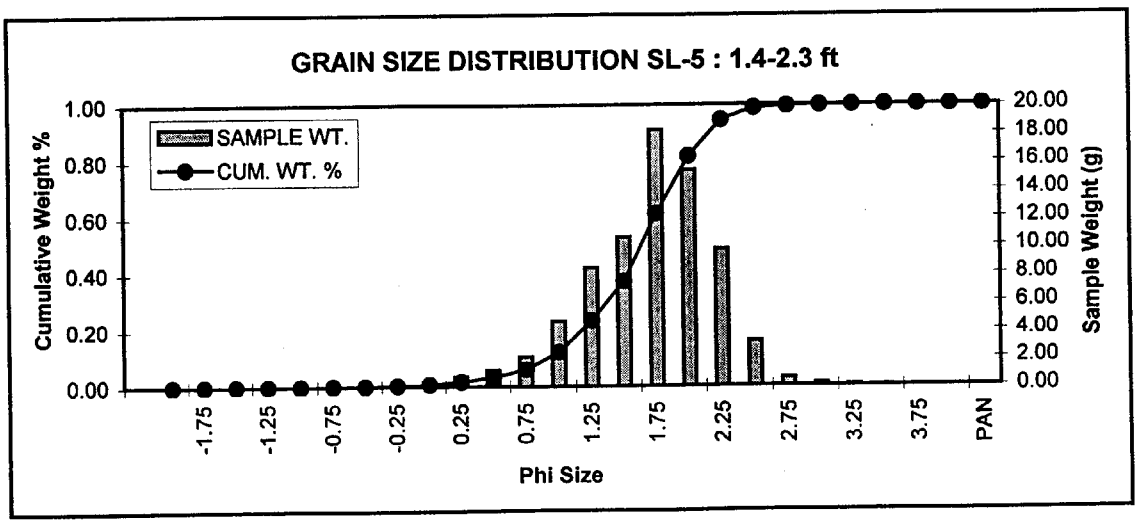


GRAIN SIZE DISTRIBUTION CHART

CORE SL-5 : 1.4-2.3 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.016	0.016	0.000211377	0.000211377
-1.00	0.011	0.027	0.000145322	0.000356699
-0.75	0.020	0.047	0.000264222	0.000620921
-0.50	0.030	0.077	0.000396333	0.001017254
-0.25	0.195	0.272	0.002576162	0.003593416
0.00	0.324	0.596	0.004280392	0.007873808
0.25	0.711	1.307	0.009393083	0.017266890
0.50	1.191	2.498	0.015734404	0.033001295
0.75	2.103	4.601	0.027782915	0.060784210
1.00	4.613	9.214	0.060942743	0.121726953
1.25	8.449	17.663	0.111620472	0.233347425
1.50	10.624	28.287	0.140354586	0.373702011
1.75	18.188	46.475	0.240283246	0.613985256
2.00	15.367	61.842	0.203014770	0.817000026
2.25	9.753	71.595	0.128847729	0.945847755
2.50	3.213	74.808	0.042447222	0.988294977
2.75	0.556	75.364	0.007345364	0.995640341
3.00	0.185	75.549	0.002444051	0.998084392
3.25	0.074	75.623	0.000977620	0.999062013
3.50	0.032	75.655	0.000422755	0.999484768
3.75	0.017	75.672	0.000224588	0.999709356
4.00	0.009	75.681	0.000118900	0.999828256
PAN	0.013	75.694	0.000171744	1.0

TOTAL WT.	75.694	grams	
MEDIAN WT.	37.847	grams	
MEAN GRAIN SIZE	1.63	phi	0.3231 mm

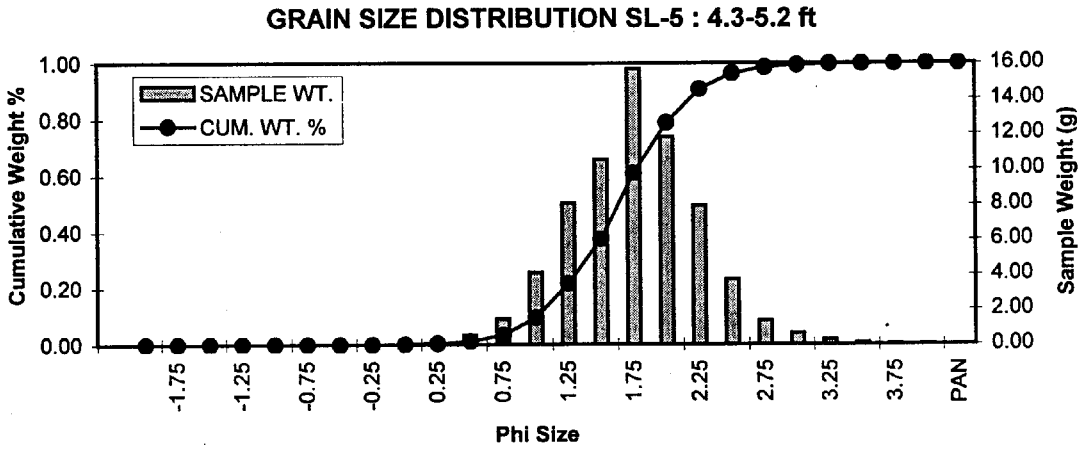


GRAIN SIZE DISTRIBUTION CHART

CORE SL-5 : 4.3-5.2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000000000	0.000000000
-0.75	0.000	0.000	0.000000000	0.000000000
-0.50	0.000	0.000	0.000000000	0.000000000
-0.25	0.024	0.024	0.000360572	0.000360572
0.00	0.060	0.084	0.000901429	0.001262000
0.25	0.204	0.288	0.003064858	0.004326858
0.50	0.545	0.833	0.008187978	0.012514836
0.75	1.479	2.312	0.022220219	0.034735055
1.00	4.105	6.417	0.061672751	0.096407806
1.25	8.063	14.480	0.121137002	0.217544809
1.50	10.541	25.021	0.158366010	0.375910819
1.75	15.665	40.686	0.235348027	0.611258845
2.00	11.810	52.496	0.177431228	0.788690074
2.25	7.936	60.432	0.119228978	0.907919052
2.50	3.693	64.125	0.055482940	0.963401992
2.75	1.349	65.474	0.020267123	0.983669116
3.00	0.634	66.108	0.009525097	0.993194213
3.25	0.270	66.378	0.004056429	0.997250642
3.50	0.090	66.468	0.001352143	0.998602785
3.75	0.042	66.510	0.000631000	0.999233786
4.00	0.027	66.537	0.000405643	0.999639428
PAN	0.024	66.561	0.000360572	1.0

TOTAL WT.	66.561	grams	
MEDIAN WT.	33.281	grams	
MEAN GRAIN SIZE	1.63	phi	0.3231 mm

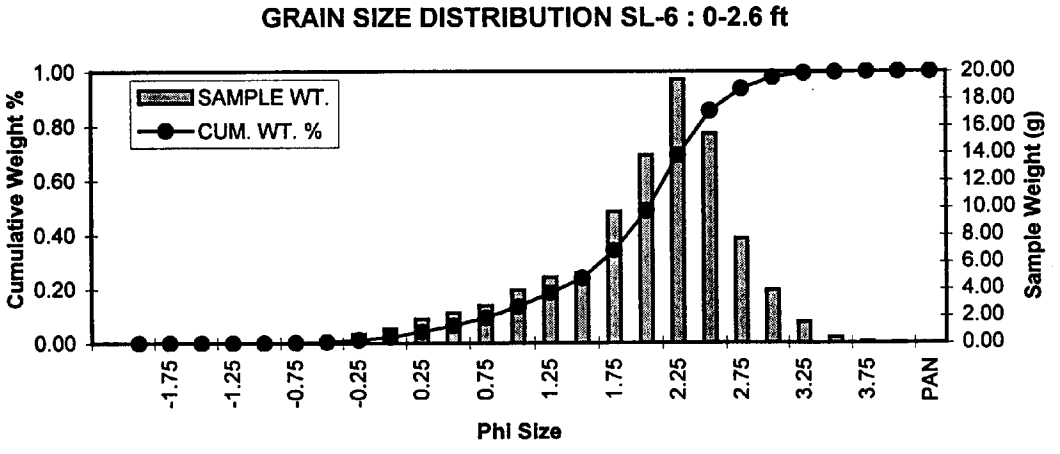


GRAIN SIZE DISTRIBUTION CHART

CORE SL-6 : 0-2.6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000000000	0.000000000
-1.00	0.037	0.037	0.000390065	0.000390065
-0.75	0.128	0.165	0.001349414	0.001739479
-0.50	0.257	0.422	0.002709370	0.004448849
-0.25	0.658	1.080	0.006936831	0.011385679
0.00	1.039	2.119	0.010953445	0.022339125
0.25	1.767	3.886	0.018628236	0.040967361
0.50	2.217	6.103	0.023372270	0.064339631
0.75	2.742	8.845	0.028906975	0.093246605
1.00	3.908	12.753	0.041199292	0.134445897
1.25	4.851	17.604	0.051140676	0.185586573
1.50	5.155	22.759	0.054345534	0.239932108
1.75	9.700	32.459	0.102260268	0.342192376
2.00	13.833	46.292	0.145831576	0.488023952
2.25	19.396	65.688	0.204478367	0.692502319
2.50	15.405	81.093	0.162404065	0.854906384
2.75	7.716	88.809	0.081344354	0.936250738
3.00	3.925	92.734	0.041378511	0.977629249
3.25	1.533	94.267	0.016161339	0.993790588
3.50	0.417	94.684	0.004396137	0.998186725
3.75	0.121	94.805	0.001275618	0.999462343
4.00	0.029	94.834	0.000305727	0.999768069
PAN	0.022	94.856	0.000231931	1.0

TOTAL WT.	94.856	grams	
MEDIAN WT.	47.428	grams	
MEAN GRAIN SIZE	2.01	phi	0.2483 mm

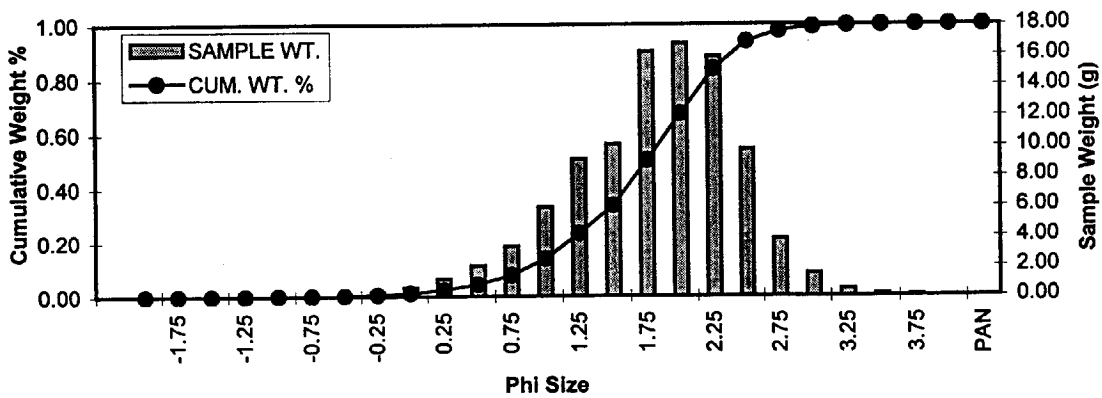


GRAIN SIZE DISTRIBUTION CHART

CORE SL-6 : 2.6-3.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.044	0.044	0.000450358	0.000450358
-1.00	0.036	0.080	0.000368475	0.000818833
-0.75	0.067	0.147	0.000685773	0.001504606
-0.50	0.121	0.268	0.001238485	0.002743091
-0.25	0.293	0.561	0.002998976	0.005742068
0.00	0.584	1.145	0.005977482	0.011719550
0.25	1.174	2.319	0.012016377	0.023735926
0.50	2.049	4.368	0.020972364	0.044708291
0.75	3.351	7.719	0.034298874	0.079007165
1.00	5.961	13.680	0.061013306	0.140020471
1.25	9.154	22.834	0.093694985	0.233715455
1.50	10.131	32.965	0.103694985	0.337410440
1.75	16.212	49.177	0.165936540	0.503346981
2.00	16.744	65.921	0.171381781	0.674728762
2.25	15.891	81.812	0.162650972	0.837379734
2.50	9.780	91.592	0.100102354	0.937482088
2.75	3.832	95.424	0.039222108	0.976704197
3.00	1.519	96.943	0.015547595	0.992251791
3.25	0.492	97.435	0.005035824	0.997287615
3.50	0.147	97.582	0.001504606	0.998792221
3.75	0.065	97.647	0.000665302	0.999457523
4.00	0.026	97.673	0.000266121	0.999723644
PAN	0.027	97.700	0.000276356	1.0

TOTAL WT.	97.700	grams	
MEDIAN WT.	48.850	grams	
MEAN GRAIN SIZE	1.99	phi	0.2517 mm



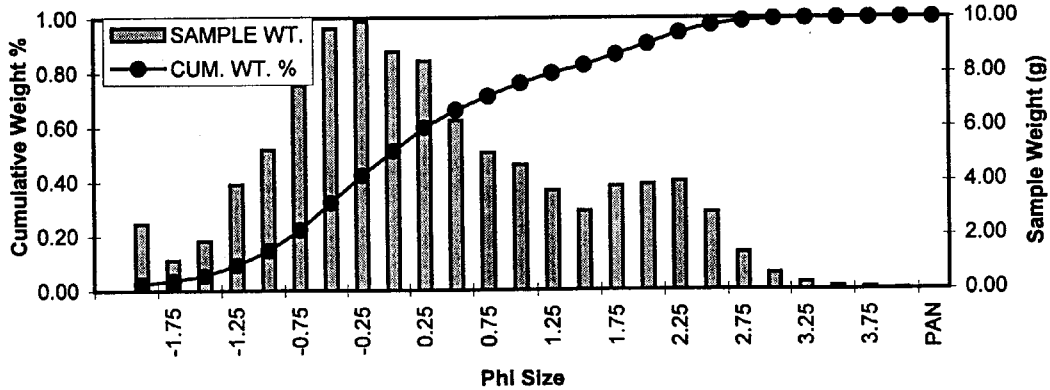
GRAIN SIZE DISTRIBUTION CHART

CORE SL-6 : 3.1-3.8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.452	2.452	0.024944303	0.024944303
-1.75	1.125	3.577	0.011444674	0.036388976
-1.50	1.829	5.406	0.018606497	0.054995473
-1.25	3.916	9.322	0.039837638	0.094833111
-1.00	5.189	14.511	0.052787923	0.147621034
-0.75	7.564	22.075	0.076948901	0.224569935
-0.50	9.632	31.707	0.097986755	0.322556689
-0.25	9.854	41.561	0.100245170	0.422801860
0.00	8.769	50.330	0.089207418	0.512009278
0.25	8.418	58.748	0.085636680	0.597645958
0.50	6.240	64.988	0.063479791	0.661125749
0.75	5.057	70.045	0.051445081	0.712570830
1.00	4.604	74.649	0.046836692	0.759407522
1.25	3.663	78.312	0.037263858	0.796671380
1.50	2.910	81.222	0.029603556	0.826274937
1.75	3.825	85.047	0.038911891	0.865186828
2.00	3.903	88.950	0.039705389	0.904892217
2.25	3.998	92.948	0.040671828	0.945564044
2.50	2.848	95.796	0.028972828	0.974536872
2.75	1.384	97.180	0.014079492	0.988616364
3.00	0.614	97.794	0.006246249	0.994862613
3.25	0.255	98.049	0.002594126	0.997456739
3.50	0.107	98.156	0.001088516	0.998545255
3.75	0.066	98.222	0.000671421	0.999216676
4.00	0.028	98.250	0.000284845	0.999501521
PAN	0.049	98.299	0.000498479	1.0

TOTAL WT.	98.299	grams	
MEDIAN WT.	49.150	grams	
MEAN GRAIN SIZE	-0.03	phi	1.0210 mm

GRAIN SIZE DISTRIBUTION SL-6 : 3.1-3.8 ft

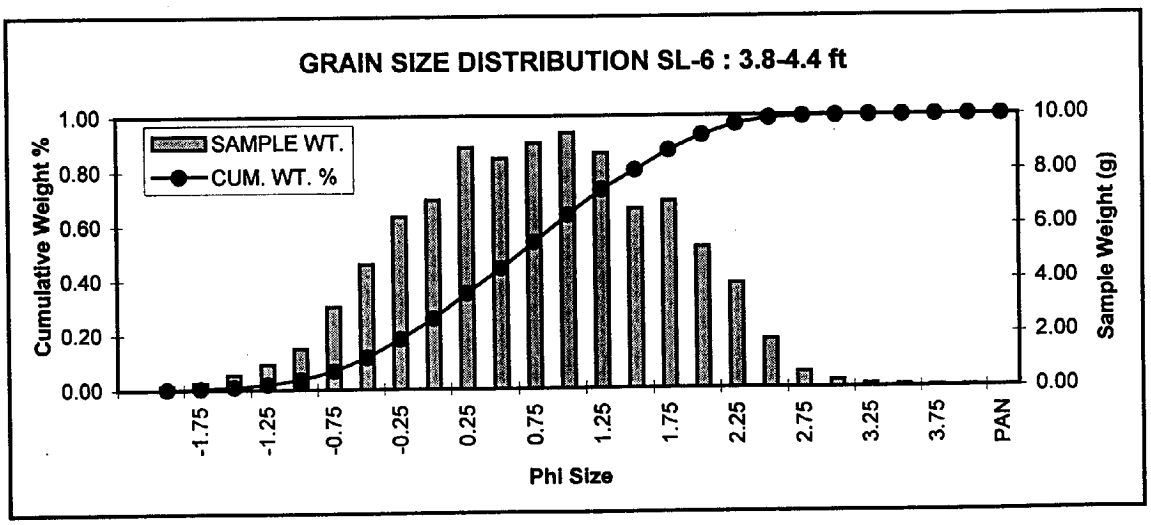


GRAIN SIZE DISTRIBUTION CHART

CORE SL-6 : 3.8-4.4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.148	0.148	0.001573949	0.001573949
-1.75	0.261	0.409	0.002775680	0.004349629
-1.50	0.558	0.967	0.005934213	0.010283843
-1.25	0.919	1.886	0.009773373	0.020057215
-1.00	1.508	3.394	0.016037264	0.036094479
-0.75	3.037	6.431	0.032297859	0.068392339
-0.50	4.608	11.039	0.049005115	0.117397454
-0.25	6.346	17.385	0.067488381	0.184885836
0.00	6.961	24.346	0.074028778	0.258914613
0.25	8.862	33.208	0.094245515	0.353160128
0.50	8.443	41.651	0.089789537	0.442949666
0.75	9.001	50.652	0.095723751	0.538673416
1.00	9.375	60.027	0.099701162	0.638374579
1.25	8.631	68.658	0.091788878	0.730163457
1.50	6.598	75.256	0.070168349	0.800331805
1.75	6.891	82.147	0.073284342	0.873616148
2.00	5.200	87.347	0.055300911	0.928917059
2.25	3.855	91.202	0.040997118	0.969914177
2.50	1.784	92.986	0.018972467	0.988886644
2.75	0.576	93.562	0.006125639	0.995012283
3.00	0.241	93.803	0.002562985	0.997575268
3.25	0.094	93.897	0.000999670	0.998574938
3.50	0.055	93.952	0.000584913	0.999159852
3.75	0.036	93.988	0.000382852	0.999542704
4.00	0.018	94.006	0.000191426	0.999734130
PAN	0.025	94.031	0.000265870	1.0

TOTAL WT.	94.031	grams	
MEDIAN WT.	47.016	grams	
MEAN GRAIN SIZE	0.65	phi	0.6375 mm

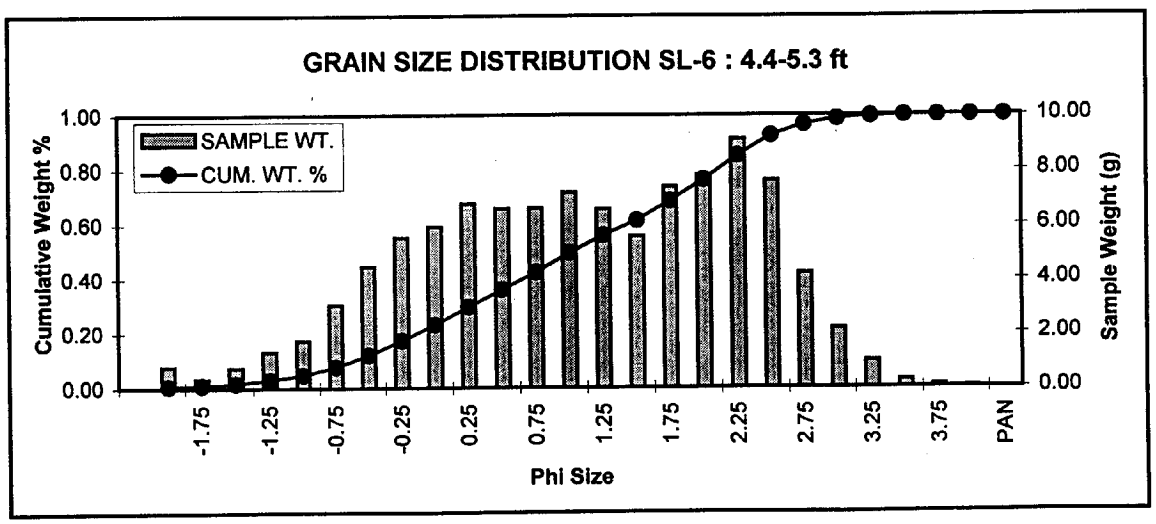


GRAIN SIZE DISTRIBUTION CHART

CORE SL-6 : 4.4-5.3 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.782	0.782	0.007609002	0.007609002
-1.75	0.328	1.110	0.003191500	0.010800502
-1.50	0.745	1.855	0.007248986	0.018049488
-1.25	1.326	3.181	0.012902221	0.030951709
-1.00	1.735	4.916	0.016881866	0.047833575
-0.75	3.041	7.957	0.029589484	0.077423059
-0.50	4.466	12.423	0.043454993	0.120878052
-0.25	5.523	17.946	0.053739795	0.174617847
0.00	5.924	23.870	0.057641598	0.232259446
0.25	6.756	30.626	0.065737110	0.297996556
0.50	6.586	37.212	0.064082979	0.362079535
0.75	6.597	43.809	0.064190011	0.426269546
1.00	7.160	50.969	0.069668103	0.495937649
1.25	6.551	57.520	0.063742423	0.559680072
1.50	5.564	63.084	0.054138733	0.613818805
1.75	7.368	70.452	0.071691981	0.685510786
2.00	7.790	78.242	0.075798118	0.761308904
2.25	9.096	87.338	0.088505736	0.849814640
2.50	7.589	94.927	0.073842352	0.923656992
2.75	4.226	99.153	0.041119749	0.964776741
3.00	2.181	101.334	0.021221527	0.985998268
3.25	0.992	102.326	0.009652341	0.995650609
3.50	0.269	102.595	0.002617419	0.998268028
3.75	0.100	102.695	0.000973018	0.999241046
4.00	0.039	102.734	0.000379477	0.999620523
PAN	0.039	102.773	0.000379477	1.0

TOTAL WT.	102.773	grams	
MEDIAN WT.	51.387	grams	
MEAN GRAIN SIZE	1.02	phi	0.4931 mm

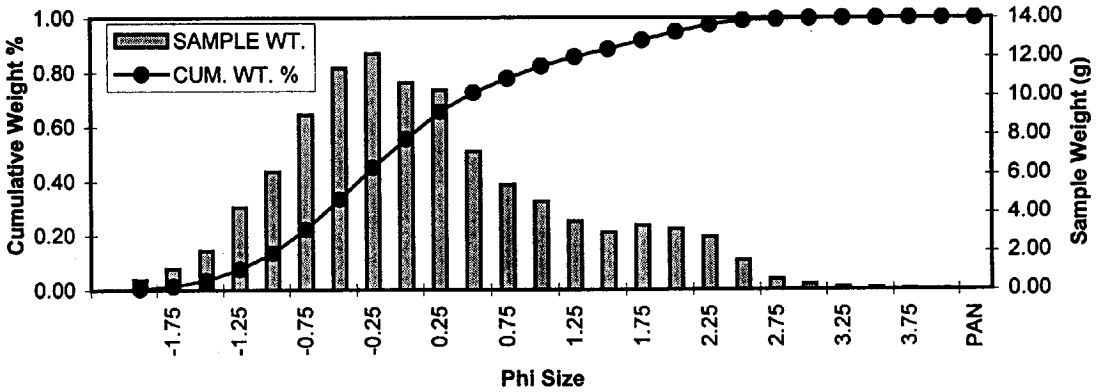


GRAIN SIZE DISTRIBUTION CHART

CORE SL-6 : 5.3-7.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.534	0.534	0.005182001	0.005182001
-1.75	1.100	1.634	0.010674533	0.015856534
-1.50	2.014	3.648	0.019544100	0.035400635
-1.25	4.275	7.923	0.041485119	0.076885753
-1.00	6.105	14.028	0.059243661	0.136129414
-0.75	9.055	23.083	0.087870819	0.224000233
-0.50	11.444	34.527	0.111053965	0.335054198
-0.25	12.185	46.712	0.118244719	0.453298916
0.00	10.686	57.398	0.103698241	0.556997157
0.25	10.290	67.688	0.099855409	0.656852565
0.50	7.141	74.829	0.069297130	0.726149696
0.75	5.429	80.258	0.052683675	0.778833371
1.00	4.544	84.802	0.044095527	0.822928898
1.25	3.521	88.323	0.034168211	0.857097109
1.50	2.954	91.277	0.028665974	0.885763084
1.75	3.310	94.587	0.032120642	0.917883725
2.00	3.130	97.717	0.030373900	0.948257625
2.25	2.711	100.428	0.026307873	0.974565498
2.50	1.510	101.938	0.014653223	0.989218721
2.75	0.546	102.484	0.005298450	0.994517171
3.00	0.267	102.751	0.002591000	0.997108172
3.25	0.130	102.881	0.001261536	0.998369708
3.50	0.075	102.956	0.000727809	0.999097517
3.75	0.041	102.997	0.000397869	0.999495386
4.00	0.024	103.021	0.000232899	0.999728285
PAN	0.028	103.049	0.000271715	1.0

TOTAL WT.	103.049	grams	
MEDIAN WT.	51.525	grams	
MEAN GRAIN SIZE	-0.14	phi	1.1019 mm

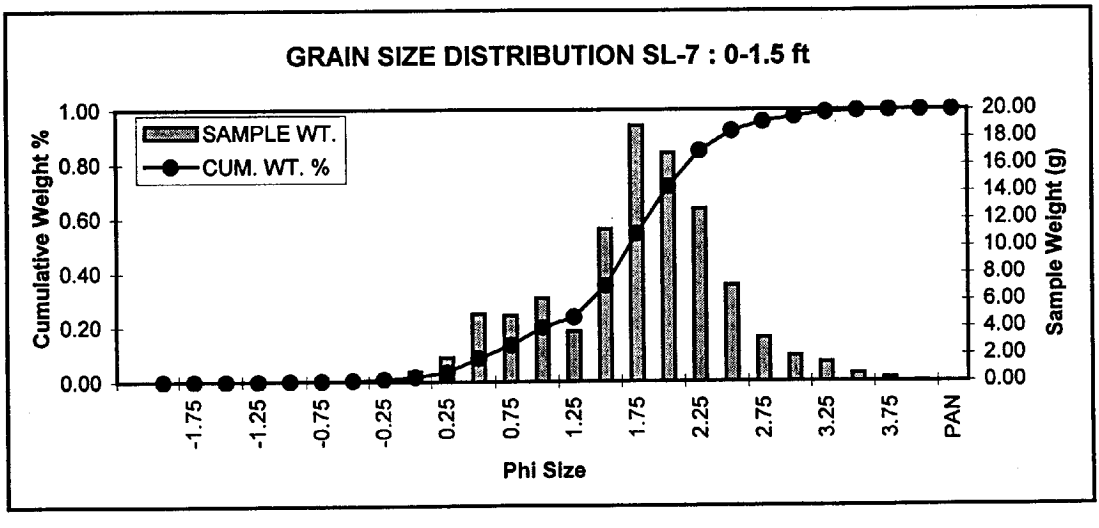


GRAIN SIZE DISTRIBUTION CHART

CORE SL-7 : 0-1.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.022	0.022	0.000225989	0.000225989
-1.00	0.087	0.109	0.000893683	0.001119671
-0.75	0.133	0.242	0.001366204	0.002485876
-0.50	0.249	0.491	0.002557781	0.005043657
-0.25	0.374	0.865	0.003841808	0.008885465
0.00	0.738	1.603	0.007580894	0.016466359
0.25	1.791	3.394	0.018397535	0.034863893
0.50	4.970	8.364	0.051052902	0.085916795
0.75	4.878	13.242	0.050107858	0.136024653
1.00	6.143	19.385	0.063102209	0.199126862
1.25	3.692	23.077	0.037925013	0.237051875
1.50	11.242	34.319	0.115480226	0.352532101
1.75	18.841	53.160	0.193538778	0.546070878
2.00	16.803	69.963	0.172604006	0.718674884
2.25	12.722	82.685	0.130683102	0.849357987
2.50	7.106	89.791	0.072994350	0.922352337
2.75	3.262	93.053	0.033507961	0.955860298
3.00	1.917	94.970	0.019691834	0.975552131
3.25	1.422	96.392	0.014607088	0.990159219
3.50	0.613	97.005	0.006296867	0.996456086
3.75	0.266	97.271	0.002732409	0.999188495
4.00	0.050	97.321	0.000513611	0.999702106
PAN	0.029	97.350	0.000297894	1.0

TOTAL WT.	97.350	grams	
MEDIAN WT.	48.675	grams	
MEAN GRAIN SIZE	1.69	phi	0.3099 mm

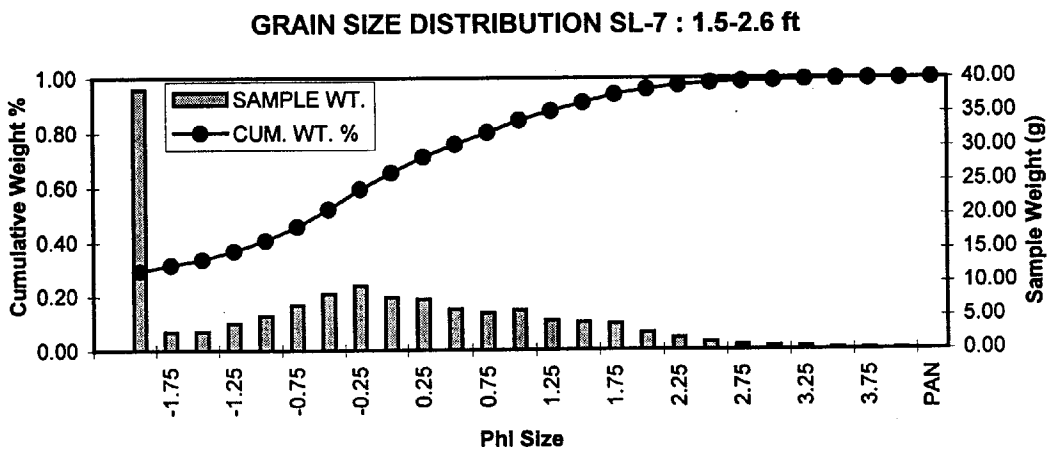


GRAIN SIZE DISTRIBUTION CHART

CORE SL-7 : 1.5-2.6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	38.345	38.345	0.294576323	0.294576323
-1.75	2.744	41.089	0.021080126	0.315656449
-1.50	2.793	43.882	0.021456557	0.337113006
-1.25	4.021	47.903	0.030890374	0.368003380
-1.00	5.072	52.975	0.038964431	0.406967811
-0.75	6.635	59.610	0.050971806	0.457939617
-0.50	8.280	67.890	0.063609127	0.521548744
-0.25	9.483	77.373	0.072850887	0.594399631
0.00	7.771	85.144	0.059698855	0.654098487
0.25	7.495	92.639	0.057578551	0.711677038
0.50	6.072	98.711	0.046646693	0.758323731
0.75	5.511	104.222	0.042336944	0.800660675
1.00	5.829	110.051	0.044779903	0.845440578
1.25	4.409	114.460	0.033871092	0.879311669
1.50	4.056	118.516	0.031159253	0.910470923
1.75	3.856	122.372	0.029622801	0.940093724
2.00	2.550	124.922	0.019589767	0.959683491
2.25	1.796	126.718	0.013797342	0.973480833
2.50	1.122	127.840	0.008619498	0.982100330
2.75	0.647	128.487	0.004970423	0.987070754
3.00	0.516	129.003	0.003964047	0.991034801
3.25	0.436	129.439	0.003349466	0.994384267
3.50	0.211	129.650	0.001620957	0.996005224
3.75	0.146	129.796	0.001121610	0.997126834
4.00	0.081	129.877	0.000622263	0.997749097
PAN	0.293	130.170	0.002250903	1.0

TOTAL WT.	130.170	grams	
MEDIAN WT.	65.085	grams	
MEAN GRAIN SIZE	-1.08	phi	2.1140 mm



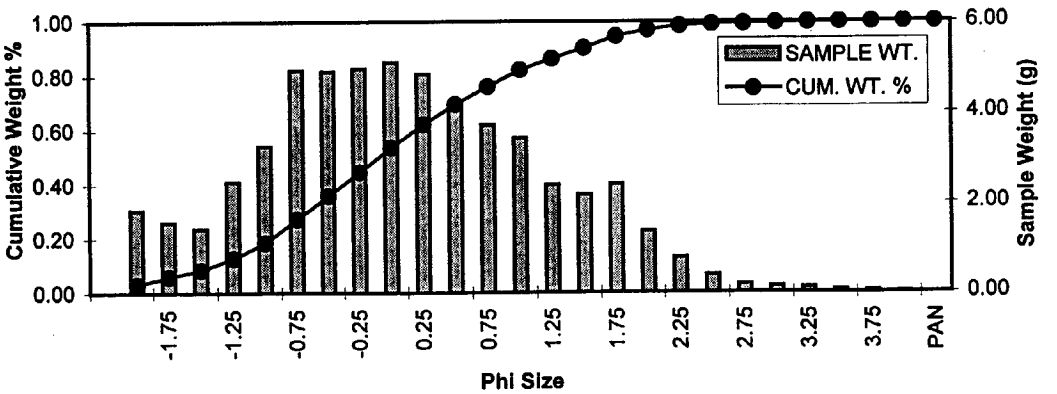
GRAIN SIZE DISTRIBUTION CHART

CORE SL-7 : 2.6-3.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.837	1.837	0.032402589	0.032402589
-1.75	1.558	3.395	0.027481347	0.059883936
-1.50	1.423	4.818	0.025100101	0.084984037
-1.25	2.469	7.287	0.043550350	0.128534387
-1.00	3.260	10.547	0.057502690	0.186037077
-0.75	4.929	15.476	0.086941951	0.272979027
-0.50	4.908	20.384	0.086571534	0.359550562
-0.25	4.974	25.358	0.087735699	0.447286261
0.00	5.112	30.470	0.090169862	0.537456123
0.25	4.844	35.314	0.085442647	0.622898771
0.50	4.139	39.453	0.073007250	0.695906020
0.75	3.722	43.175	0.065651844	0.761557864
1.00	3.436	46.611	0.060607130	0.822164994
1.25	2.400	49.011	0.042333269	0.864498263
1.50	2.187	51.198	0.038576191	0.903074454
1.75	2.408	53.606	0.042474380	0.945548833
2.00	1.361	54.967	0.024006491	0.969555324
2.25	0.776	55.743	0.013687757	0.983243081
2.50	0.389	56.132	0.006861517	0.990104598
2.75	0.183	56.315	0.003227912	0.993332510
3.00	0.137	56.452	0.002416524	0.995749034
3.25	0.111	56.563	0.001957914	0.997706948
3.50	0.060	56.623	0.001058332	0.998765280
3.75	0.036	56.659	0.000634999	0.999400279
4.00	0.015	56.674	0.000264583	0.999664862
PAN	0.019	56.693	0.000335138	1.0

TOTAL WT.	56.693	grams	
MEDIAN WT.	28.347	grams	
MEAN GRAIN SIZE	-0.1	phi	1.0718 mm

GRAIN SIZE DISTRIBUTION SL-7 : 2.6-3.1 ft

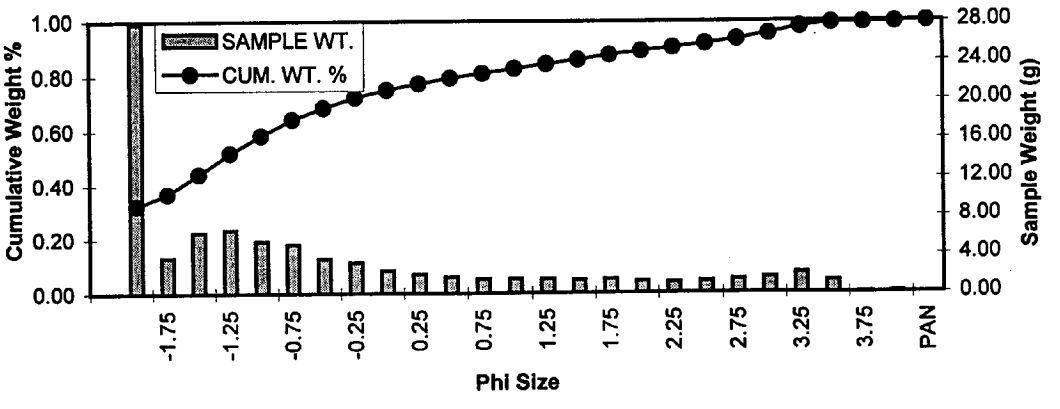


GRAIN SIZE DISTRIBUTION CHART

CORE SL-7 : 3.1-4.8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	27.751	27.751	0.325754197	0.325754197
-1.75	3.705	31.456	0.043491020	0.369245217
-1.50	6.292	37.748	0.073858434	0.443103651
-1.25	6.599	44.347	0.077462143	0.520565794
-1.00	5.442	49.789	0.063880737	0.584446531
-0.75	5.078	54.867	0.059607935	0.644054466
-0.50	3.588	58.455	0.042117619	0.686172086
-0.25	3.188	61.643	0.037422233	0.723594319
0.00	2.344	63.987	0.027514967	0.751109285
0.25	1.958	65.945	0.022983918	0.774093203
0.50	1.673	67.618	0.019638455	0.793731659
0.75	1.440	69.058	0.016903392	0.810635051
1.00	1.468	70.526	0.017232069	0.827867121
1.25	1.409	71.935	0.016539500	0.844406620
1.50	1.327	73.262	0.015576946	0.859983566
1.75	1.467	74.729	0.017220331	0.877203897
2.00	1.220	75.949	0.014320930	0.891524827
2.25	1.120	77.069	0.013147083	0.904671910
2.50	1.232	78.301	0.014461791	0.919133701
2.75	1.407	79.708	0.016516023	0.935649724
3.00	1.634	81.342	0.019180655	0.954830379
3.25	2.106	83.448	0.024721211	0.979551591
3.50	1.274	84.722	0.014954807	0.994506397
3.75	0.070	84.792	0.000821693	0.995328090
4.00	0.097	84.889	0.001138631	0.996466721
PAN	0.301	85.190	0.003533279	1.0

TOTAL WT.	85.190	grams	
MEDIAN WT.	42.595	grams	
MEAN GRAIN SIZE	-1.32	phi	2.4967 mm

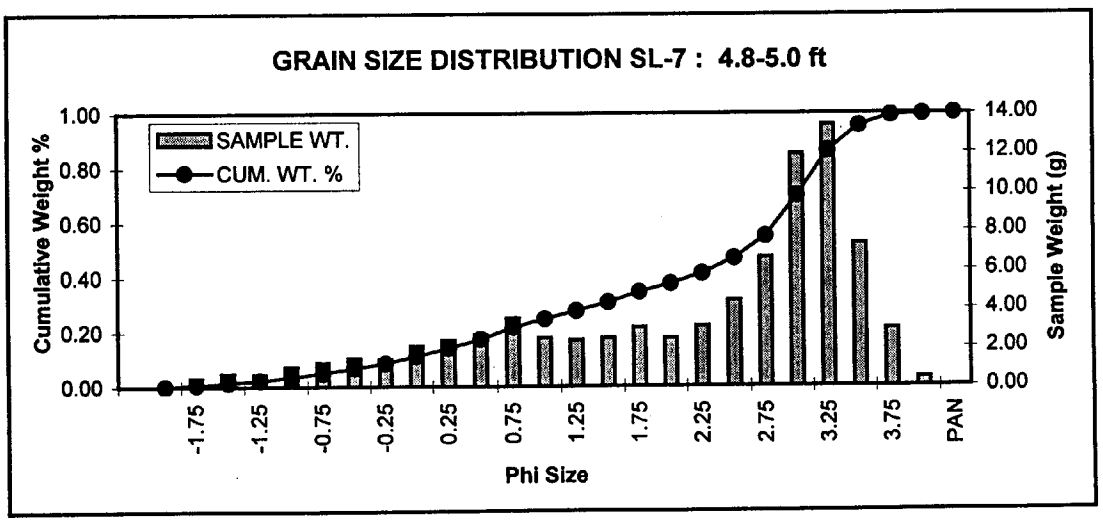


GRAIN SIZE DISTRIBUTION CHART

CORE SL-7 : 4.8-5.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.103	0.103	0.001272500	0.001272500
-1.75	0.436	0.539	0.005386507	0.006659007
-1.50	0.664	1.203	0.008203304	0.014862311
-1.25	0.611	1.814	0.007548522	0.022410832
-1.00	1.003	2.817	0.012391436	0.034802268
-0.75	1.226	4.043	0.015146461	0.049948729
-0.50	1.463	5.506	0.018074447	0.068023177
-0.25	1.421	6.927	0.017555564	0.085578741
0.00	2.095	9.022	0.025882411	0.111461152
0.25	2.385	11.407	0.029465179	0.140926331
0.50	2.665	14.072	0.032924404	0.173850734
0.75	3.493	17.565	0.043153824	0.217004559
1.00	2.488	20.053	0.030737680	0.247742238
1.25	2.401	22.454	0.029662849	0.277405088
1.50	2.480	24.934	0.030638845	0.308043932
1.75	3.020	27.954	0.037310206	0.345354138
2.00	2.476	30.430	0.030589427	0.375943565
2.25	3.110	33.540	0.038422100	0.414365665
2.50	4.408	37.948	0.054458075	0.468823740
2.75	6.642	44.590	0.082057744	0.550881485
3.00	11.927	56.517	0.147350605	0.698232089
3.25	13.399	69.916	0.165536242	0.863768331
3.50	7.346	77.262	0.090755223	0.954523554
3.75	2.966	80.228	0.036643070	0.991166623
4.00	0.436	80.664	0.005386507	0.996553130
PAN	0.279	80.943	0.003446870	1.0

TOTAL WT.	80.943	grams	
MEDIAN WT.	40.472	grams	
MEAN GRAIN SIZE	2.6	phi	0.1649 mm



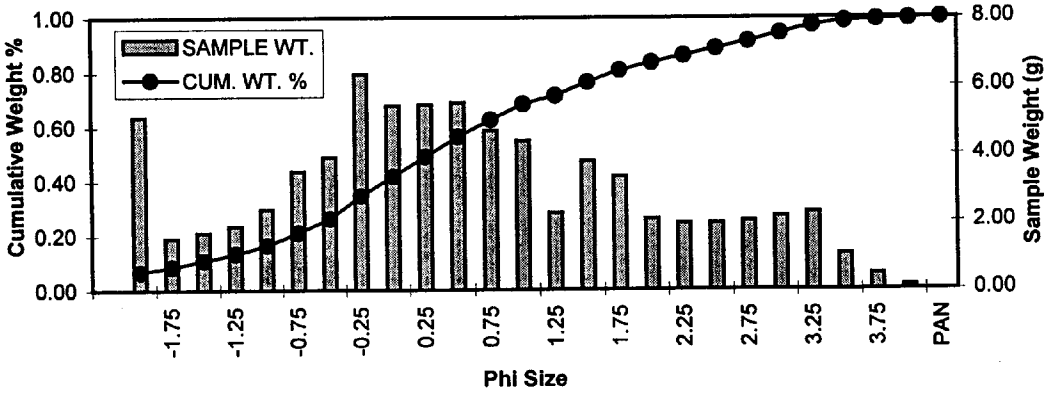
GRAIN SIZE DISTRIBUTION CHART

CORE SL-7 : 5.0-5.3 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	5.092	5.092	0.067185645	0.067185645
-1.75	1.525	6.617	0.020121388	0.087307033
-1.50	1.687	8.304	0.022258873	0.109565906
-1.25	1.885	10.189	0.024871355	0.134437261
-1.00	2.382	12.571	0.031428948	0.165866209
-0.75	3.497	16.068	0.046140652	0.212006861
-0.50	3.925	19.993	0.051787835	0.263794696
-0.25	6.371	26.364	0.084061222	0.347855918
0.00	5.435	31.799	0.071711308	0.419567225
0.25	5.461	37.260	0.072054361	0.491621586
0.50	5.513	42.773	0.072740467	0.564362053
0.75	4.687	47.460	0.061841932	0.626203985
1.00	4.398	51.858	0.058028764	0.684232748
1.25	2.268	54.126	0.029924792	0.714157541
1.50	3.789	57.915	0.049993403	0.764150943
1.75	3.340	61.255	0.044069138	0.808220082
2.00	2.097	63.352	0.027668558	0.835888640
2.25	1.954	65.306	0.025781765	0.861670405
2.50	1.972	67.278	0.026019264	0.887689669
2.75	2.032	69.310	0.026810925	0.914500594
3.00	2.172	71.482	0.028658134	0.943158728
3.25	2.292	73.774	0.030241457	0.973400185
3.50	1.052	74.826	0.013880459	0.987280644
3.75	0.463	75.289	0.006108985	0.993389629
4.00	0.115	75.404	0.001517351	0.994906980
PAN	0.386	75.790	0.005093020	1.0

TOTAL WT.	75.790	grams	
MEDIAN WT.	37.895	grams	
MEAN GRAIN SIZE	0.28	phi	0.8236 mm

GRAIN SIZE DISTRIBUTION SL-7 : 5.0-5.3 ft

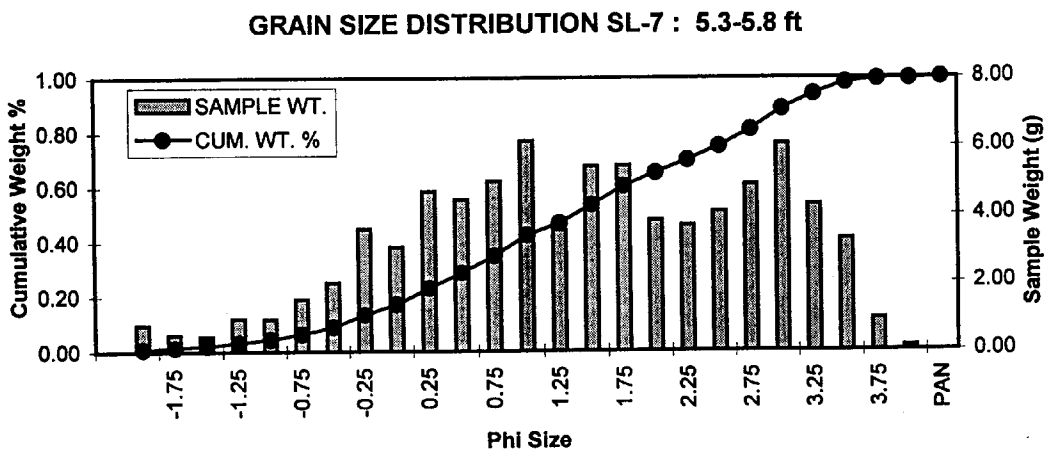


GRAIN SIZE DISTRIBUTION CHART

CORE SL-7 : 5.3-5.8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.773	0.773	0.009646896	0.009646896
-1.75	0.478	1.251	0.005965351	0.015612247
-1.50	0.448	1.699	0.005590957	0.021203204
-1.25	0.963	2.662	0.012018061	0.033221265
-1.00	0.957	3.619	0.011943182	0.045164447
-0.75	1.528	5.147	0.019069156	0.064233602
-0.50	2.008	7.155	0.025059466	0.089293068
-0.25	3.597	10.752	0.044889891	0.134182959
0.00	3.067	13.819	0.038275589	0.172458548
0.25	4.691	18.510	0.058542807	0.231001355
0.50	4.441	22.951	0.055422854	0.286424209
0.75	4.977	27.928	0.062112034	0.348536243
1.00	6.154	34.082	0.076800775	0.425337017
1.25	3.544	37.626	0.044233452	0.469570470
1.50	5.411	43.037	0.067528273	0.537098743
1.75	5.437	48.474	0.067852748	0.604951491
2.00	3.836	52.310	0.047872566	0.652824057
2.25	3.702	56.012	0.046200271	0.699024328
2.50	4.090	60.102	0.051042439	0.750066767
2.75	4.899	65.001	0.061138608	0.811205375
3.00	6.075	71.076	0.075814869	0.887020245
3.25	4.308	75.384	0.053763038	0.940783283
3.50	3.303	78.687	0.041220825	0.982004108
3.75	0.938	79.625	0.011706065	0.993710174
4.00	0.126	79.751	0.001572457	0.995282630
PAN	0.378	80.129	0.004717370	1.0

TOTAL WT.	80.129	grams	
MEDIAN WT.	40.065	grams	
MEAN GRAIN SIZE	1.36	phi	0.3896 mm

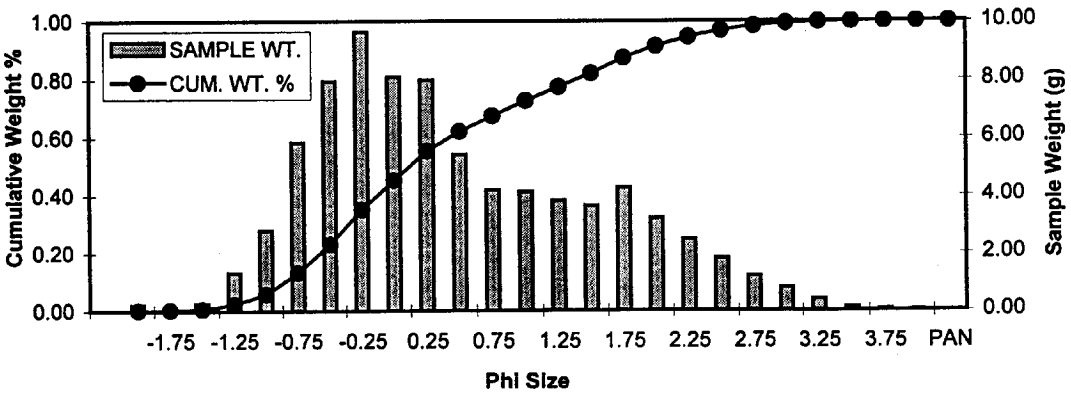


GRAIN SIZE DISTRIBUTION CHART

CORE SL-8 : 0-0.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.210	0.210	0.002633229	0.002633229
-1.75	0.095	0.305	0.001191223	0.003824451
-1.50	0.260	0.565	0.003260188	0.007084639
-1.25	1.325	1.890	0.016614420	0.023699060
-1.00	2.799	4.689	0.035097179	0.058796238
-0.75	5.844	10.533	0.073278997	0.132075235
-0.50	7.960	18.493	0.099811912	0.231887147
-0.25	9.624	28.117	0.120677116	0.352564263
0.00	8.100	36.217	0.101567398	0.454131661
0.25	7.984	44.201	0.100112853	0.554244514
0.50	5.427	49.628	0.068050157	0.622294671
0.75	4.203	53.831	0.052702194	0.674996865
1.00	4.129	57.960	0.051774295	0.726771160
1.25	3.827	61.787	0.047987461	0.774758621
1.50	3.647	65.434	0.045730408	0.820489028
1.75	4.266	69.700	0.053492163	0.873981191
2.00	3.197	72.897	0.040087774	0.914068966
2.25	2.474	75.371	0.031021944	0.945090909
2.50	1.811	77.182	0.022708464	0.967799373
2.75	1.188	78.370	0.014896552	0.982695925
3.00	0.793	79.163	0.009943574	0.992639498
3.25	0.389	79.552	0.004877743	0.997517241
3.50	0.116	79.668	0.001454545	0.998971787
3.75	0.039	79.707	0.000489028	0.999460815
4.00	0.021	79.728	0.000263323	0.999724138
PAN	0.022	79.750	0.000275862	1.0

TOTAL WT.	79.750	grams	
MEDIAN WT.	39.875	grams	
MEAN GRAIN SIZE	1.33	phi	0.3978 mm

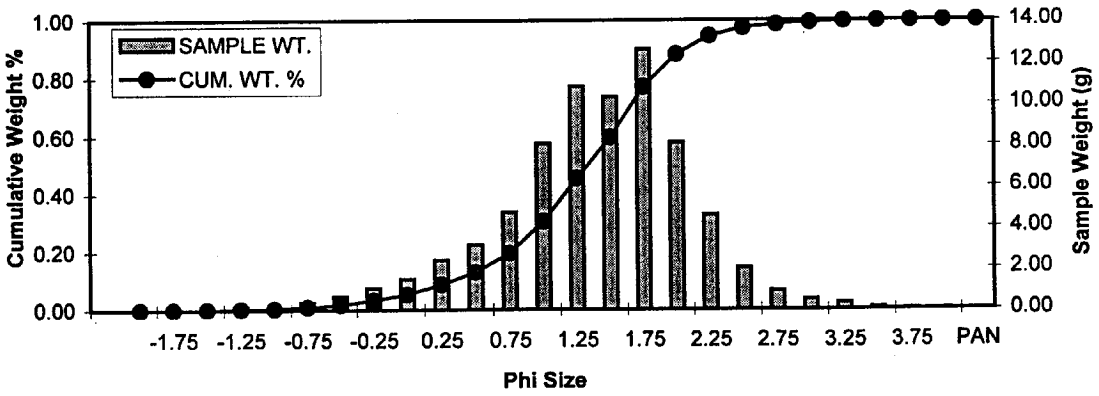


GRAIN SIZE DISTRIBUTION CHART

CORE SL-8 : 0.5-0.8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.063	0.063	0.000866885	0.000866885
-1.25	0.165	0.228	0.002270413	0.003137298
-1.00	0.104	0.332	0.001431048	0.004568346
-0.75	0.379	0.711	0.005215070	0.009783416
-0.50	0.658	1.369	0.009054132	0.018837549
-0.25	1.074	2.443	0.014778325	0.033615874
0.00	1.490	3.933	0.020502518	0.054118392
0.25	2.408	6.341	0.033134271	0.087252663
0.50	3.148	9.489	0.043316730	0.130569392
0.75	4.752	14.241	0.065387897	0.195957289
1.00	8.070	22.311	0.111043840	0.307001128
1.25	10.807	33.118	0.148705177	0.455706305
1.50	10.299	43.417	0.141715056	0.597421361
1.75	12.594	56.011	0.173294438	0.770715799
2.00	8.097	64.108	0.111415362	0.882131161
2.25	4.596	68.704	0.063241324	0.945372485
2.50	2.035	70.739	0.028001761	0.973374247
2.75	0.923	71.662	0.012700553	0.986074800
3.00	0.513	72.175	0.007058921	0.993133720
3.25	0.330	72.505	0.004540826	0.997674547
3.50	0.109	72.614	0.001499849	0.999174395
3.75	0.033	72.647	0.000454083	0.999628478
4.00	0.013	72.660	0.000178881	0.999807359
PAN	0.014	72.674	0.000192641	1.0

TOTAL WT.	72.674	grams	
MEDIAN WT.	36.337	grams	
MEAN GRAIN SIZE	0.82	phi	1.7654 mm

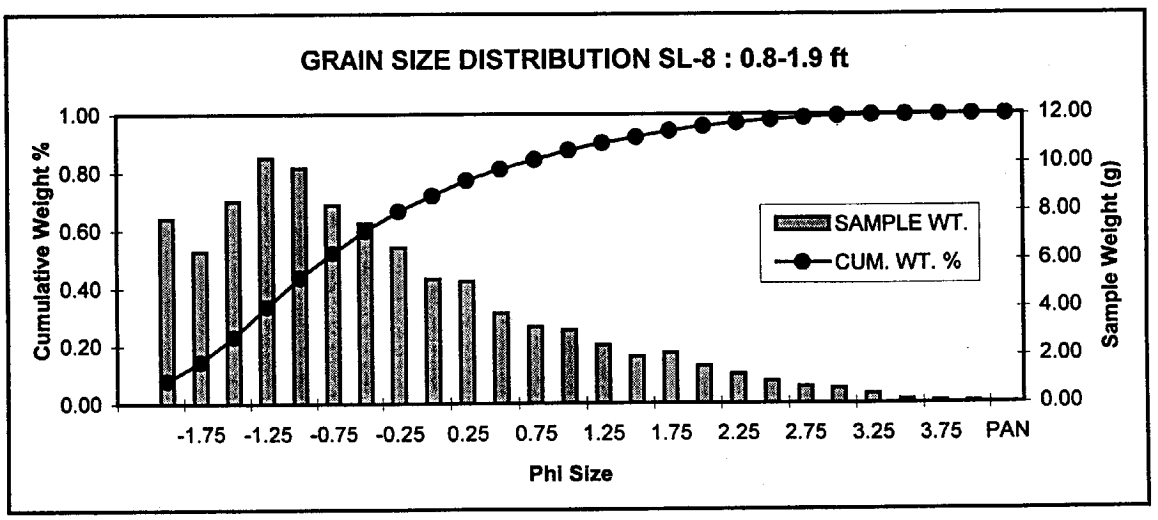


GRAIN SIZE DISTRIBUTION CHART

CORE SL-8 : 0.8-1.9 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	7.699	7.699	0.079361316	0.079361316
-1.75	6.324	14.023	0.065187812	0.144549128
-1.50	8.396	22.419	0.086545994	0.231095122
-1.25	10.203	32.622	0.105172556	0.336267678
-1.00	9.786	42.408	0.100874119	0.437141797
-0.75	8.250	50.658	0.085041026	0.522182823
-0.50	7.509	58.167	0.077402796	0.599585618
-0.25	6.499	64.666	0.066991712	0.666577331
0.00	5.189	69.855	0.053488228	0.720065559
0.25	5.100	74.955	0.052570816	0.772636375
0.50	3.771	78.726	0.038871480	0.811507855
0.75	3.191	81.917	0.032892838	0.844400693
1.00	3.037	84.954	0.031305406	0.875706098
1.25	2.423	87.377	0.024976292	0.900682390
1.50	1.941	89.318	0.020007834	0.920690224
1.75	2.086	91.404	0.021502495	0.942192718
2.00	1.547	92.951	0.015946481	0.958139199
2.25	1.213	94.164	0.012503608	0.970642807
2.50	0.905	95.069	0.009328743	0.979971550
2.75	0.672	95.741	0.006926978	0.986898528
3.00	0.593	96.334	0.006112646	0.993011174
3.25	0.366	96.700	0.003772729	0.996783903
3.50	0.145	96.845	0.001494660	0.998278563
3.75	0.079	96.924	0.000814332	0.999092896
4.00	0.047	96.971	0.000484476	0.999577372
PAN	0.041	97.012	0.000422628	1.0

TOTAL WT.	97.012	grams	
MEDIAN WT.	48.506	grams	
MEAN GRAIN SIZE	0.93	phi	0.5249 mm

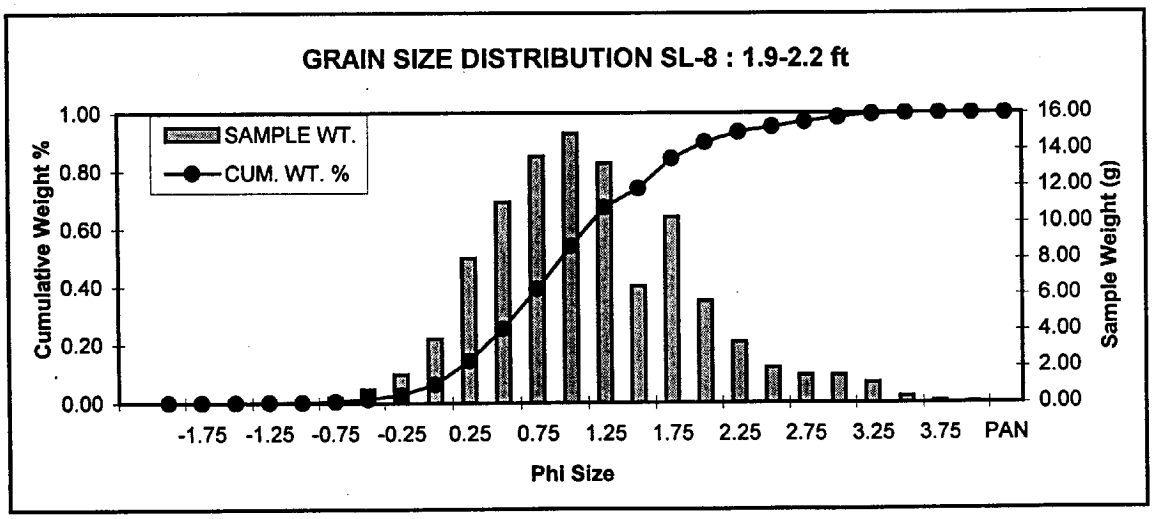


GRAIN SIZE DISTRIBUTION CHART

CORE SL-8 : 1.9-2.2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.056	0.056	0.000562441	0.000562441
-1.75	0.044	0.100	0.000441918	0.001004359
-1.50	0.031	0.131	0.000311351	0.001315710
-1.25	0.073	0.204	0.000733182	0.002048892
-1.00	0.049	0.253	0.000492136	0.002541028
-0.75	0.310	0.563	0.003113513	0.005654541
-0.50	0.743	1.306	0.007462387	0.013116927
-0.25	1.573	2.879	0.015798566	0.028915493
0.00	3.538	6.417	0.035534219	0.064449712
0.25	8.018	14.435	0.080529498	0.144979210
0.50	11.094	25.529	0.111423578	0.256402788
0.75	13.616	39.145	0.136753510	0.393156298
1.00	14.863	54.008	0.149277866	0.542434164
1.25	13.226	67.234	0.132836510	0.675270675
1.50	6.426	73.660	0.064540104	0.739810779
1.75	10.281	83.941	0.103258140	0.843068919
2.00	5.635	89.576	0.056595625	0.899664544
2.25	3.345	92.921	0.033595806	0.933260350
2.50	1.956	94.877	0.019645260	0.952905610
2.75	1.550	96.427	0.015567563	0.968473174
3.00	1.542	97.969	0.015487215	0.983960388
3.25	1.120	99.089	0.011248820	0.995209208
3.50	0.339	99.428	0.003404777	0.998613985
3.75	0.085	99.513	0.000853705	0.999467690
4.00	0.031	99.544	0.000311351	0.999779041
PAN	0.022	99.566	0.000220959	1.0

TOTAL WT.	99.566	grams	
MEDIAN WT.	49.783	grams	
MEAN GRAIN SIZE	0.93	phi	0.5249 mm

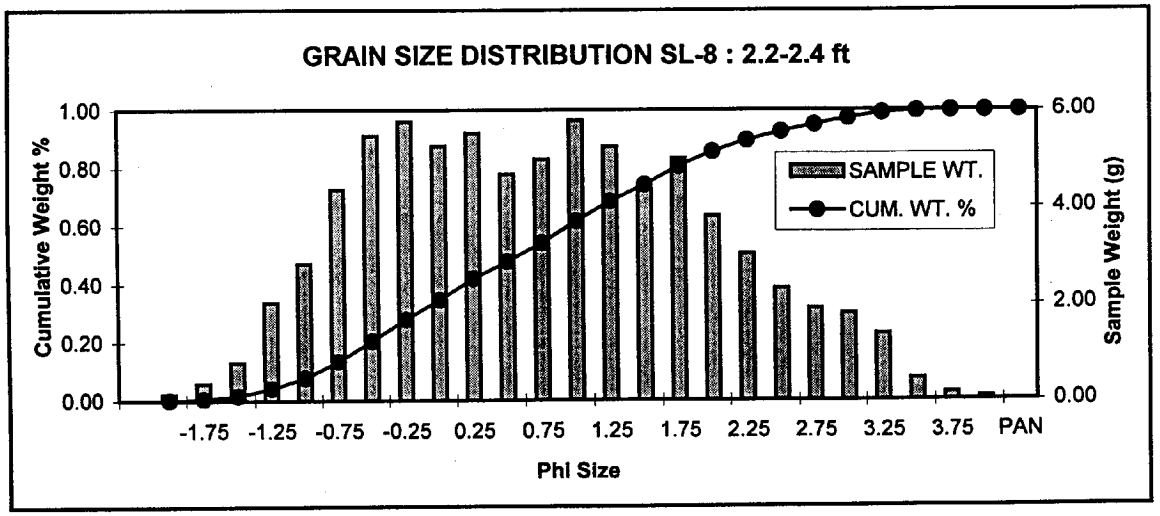


GRAIN SIZE DISTRIBUTION CHART

CORE SL-8 : 2.2-2.4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.128	0.128	0.001652189	0.001652189
-1.75	0.354	0.482	0.004569334	0.006221522
-1.50	0.783	1.265	0.010106747	0.016328269
-1.25	2.028	3.293	0.026176862	0.042505131
-1.00	2.831	6.124	0.036541763	0.079046894
-0.75	4.359	10.483	0.056264763	0.135311657
-0.50	5.466	15.949	0.070553612	0.205865269
-0.25	5.752	21.701	0.074245221	0.280110490
0.00	5.251	26.952	0.067778452	0.347888942
0.25	5.522	32.474	0.071276445	0.419165387
0.50	4.671	37.145	0.060291973	0.479457359
0.75	4.974	42.119	0.064203013	0.543660372
1.00	5.780	47.899	0.074606637	0.618267009
1.25	5.236	53.135	0.067584836	0.685851845
1.50	4.360	57.495	0.056277671	0.742129516
1.75	4.990	62.485	0.064409536	0.806539052
2.00	3.810	66.295	0.049178423	0.855717476
2.25	3.038	69.333	0.039213662	0.894931137
2.50	2.321	71.654	0.029958824	0.924889962
2.75	1.909	73.563	0.024640843	0.949530804
3.00	1.800	75.363	0.023233901	0.972764705
3.25	1.377	76.740	0.017773934	0.990538639
3.50	0.455	77.195	0.005873014	0.996411653
3.75	0.150	77.345	0.001936158	0.998347811
4.00	0.069	77.414	0.000890633	0.999238444
PAN	0.059	77.473	0.000761556	1.0

TOTAL WT.	77.473	grams	
MEDIAN WT.	38.737	grams	
MEAN GRAIN SIZE	0.58	phi	o.6690 mm

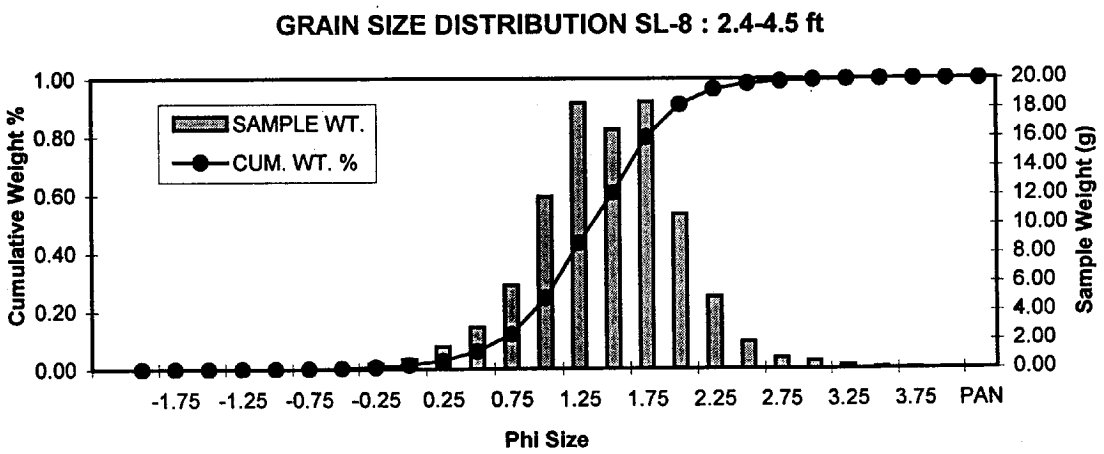


GRAIN SIZE DISTRIBUTION CHART

CORE SL-8 : 2.4-4.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.036	0.036	0.000375250	0.000375250
-1.00	0.014	0.050	0.000145931	0.000521181
-0.75	0.095	0.145	0.000990243	0.001511424
-0.50	0.172	0.317	0.001792862	0.003304286
-0.25	0.367	0.684	0.003825467	0.007129753
0.00	0.656	1.340	0.006837892	0.013967645
0.25	1.571	2.911	0.016375500	0.030343145
0.50	2.904	5.815	0.030270180	0.060613326
0.75	5.782	11.597	0.060269346	0.120882672
1.00	11.886	23.483	0.123895097	0.244777769
1.25	18.309	41.792	0.190845981	0.435623749
1.50	16.485	58.277	0.171833306	0.607457055
1.75	18.417	76.694	0.191971731	0.799428786
2.00	10.707	87.401	0.111605654	0.911034440
2.25	5.002	92.403	0.052138926	0.963173366
2.50	1.867	94.270	0.019460891	0.982634256
2.75	0.719	94.989	0.007494580	0.990128836
3.00	0.517	95.506	0.005389009	0.995517845
3.25	0.253	95.759	0.002637175	0.998155020
3.50	0.098	95.857	0.001021514	0.999176534
3.75	0.038	95.895	0.000396097	0.999572632
4.00	0.021	95.916	0.000218896	0.999791528
PAN	0.020	95.936	0.000208472	1.0

TOTAL WT.	95.936	grams	
MEDIAN WT.	47.968	grams	
MEAN GRAIN SIZE	1.34	phi	o.3950 mm

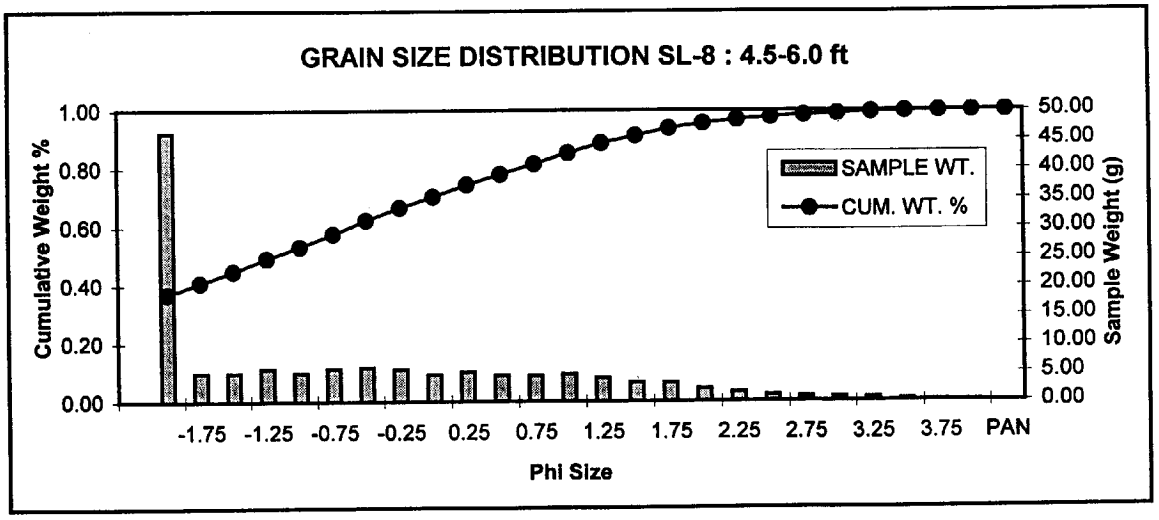


GRAIN SIZE DISTRIBUTION CHART

CORE SL-8 : 4.5-6.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	46.082	46.082	0.369979045	0.369979045
-1.75	4.886	50.968	0.039228280	0.409207325
-1.50	4.880	55.848	0.039180108	0.448387433
-1.25	5.584	61.432	0.044832320	0.493219754
-1.00	4.881	66.313	0.039188137	0.532407891
-0.75	5.554	71.867	0.044591459	0.576999350
-0.50	5.856	77.723	0.047016130	0.624015479
-0.25	5.447	83.170	0.043732387	0.667747866
0.00	4.601	87.771	0.036940098	0.704687964
0.25	5.086	92.857	0.040834022	0.745521987
0.50	4.482	97.339	0.035984681	0.781506668
0.75	4.395	101.734	0.035286183	0.816792851
1.00	4.703	106.437	0.037759026	0.854551878
1.25	4.045	110.482	0.032476135	0.887028012
1.50	3.228	113.710	0.025916678	0.912944690
1.75	3.197	116.907	0.025667788	0.938612478
2.00	2.140	119.047	0.017181441	0.955793919
2.25	1.552	120.599	0.012460559	0.968254478
2.50	1.089	121.688	0.008743266	0.976997744
2.75	0.776	122.464	0.006230279	0.983228023
3.00	0.709	123.173	0.005692356	0.988920379
3.25	0.634	123.807	0.005090203	0.994010582
3.50	0.312	124.119	0.002504958	0.996515540
3.75	0.184	124.303	0.001477283	0.997992822
4.00	0.126	124.429	0.001011618	0.999004440
PAN	0.124	124.553	0.000995560	1.0

TOTAL WT.	124.553	grams	
MEDIAN WT.	62.277	grams	
MEAN GRAIN SIZE	-1.21	phi	2.3134 mm

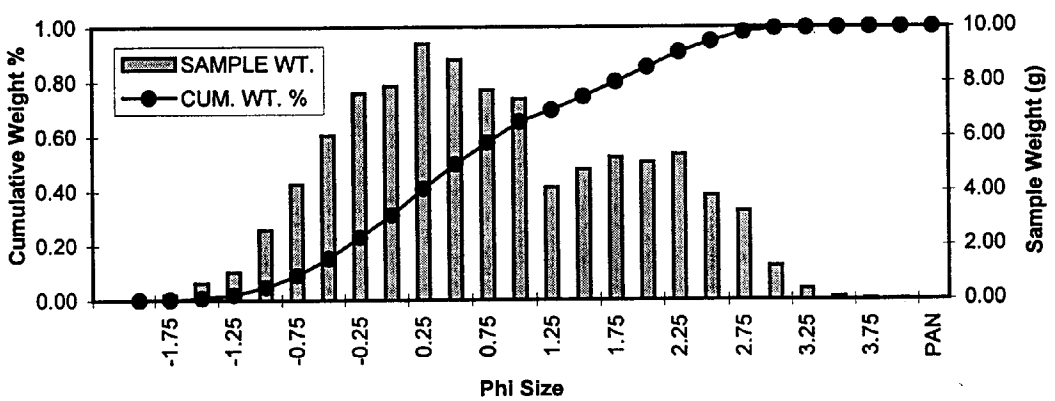


GRAIN SIZE DISTRIBUTION CHART

CORE SL-9 : 0-0.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.067	0.067	0.000691163	0.000691163
-1.75	0.201	0.268	0.002073490	0.002764654
-1.50	0.631	0.899	0.006509315	0.009273969
-1.25	1.031	1.930	0.010635664	0.019909633
-1.00	2.574	4.504	0.026553055	0.046462687
-0.75	4.254	8.758	0.043883719	0.090346407
-0.50	6.041	14.799	0.062318183	0.152664590
-0.25	7.578	22.377	0.078173678	0.230838268
0.00	7.840	30.217	0.080876436	0.311714704
0.25	9.376	39.593	0.096721616	0.408436320
0.50	8.799	48.392	0.090769358	0.499205678
0.75	7.705	56.097	0.079483794	0.578689472
1.00	7.367	63.464	0.075997029	0.654686501
1.25	4.127	67.591	0.042573604	0.697260104
1.50	4.799	72.390	0.049505870	0.746765974
1.75	5.229	77.619	0.053941695	0.800707669
2.00	5.052	82.671	0.052115785	0.852823454
2.25	5.345	88.016	0.055138336	0.907961790
2.50	3.856	91.872	0.039778002	0.947739792
2.75	3.264	95.136	0.033671006	0.981410799
3.00	1.230	96.366	0.012688523	0.994099321
3.25	0.398	96.764	0.004105717	0.998205038
3.50	0.089	96.853	0.000918113	0.999123151
3.75	0.041	96.894	0.000422951	0.999546102
4.00	0.014	96.908	0.000144422	0.999690524
PAN	0.030	96.938	0.000309476	1.0

TOTAL WT.	96.938	grams	
MEDIAN WT.	48.469	grams	
MEAN GRAIN SIZE	0.5	phi	0.7071 mm

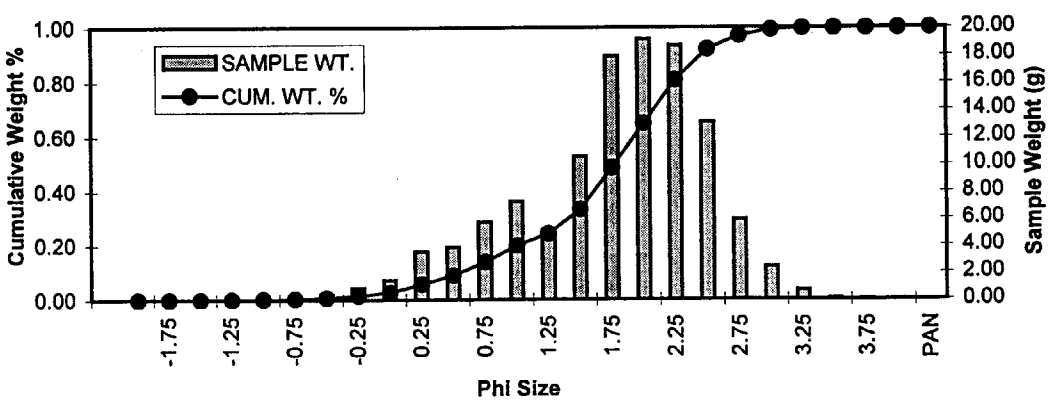


GRAIN SIZE DISTRIBUTION CHART

CORE SL-9 : 0.5-2.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.009	0.009	0.000076742	0.000076742
-1.50	0.027	0.036	0.000230226	0.000306968
-1.25	0.081	0.117	0.000690678	0.000997647
-1.00	0.106	0.223	0.000903851	0.001901497
-0.75	0.187	0.410	0.001594529	0.003496026
-0.50	0.396	0.806	0.003376650	0.006872676
-0.25	0.870	1.676	0.007418398	0.014291074
0.00	1.432	3.108	0.012210512	0.026501586
0.25	3.527	6.635	0.030074355	0.056575941
0.50	3.896	10.531	0.033220778	0.089796719
0.75	5.736	16.267	0.048910263	0.138706982
1.00	7.248	23.515	0.061802926	0.200509908
1.25	5.142	28.657	0.043845288	0.244355196
1.50	10.541	39.198	0.089881988	0.334237184
1.75	17.868	57.066	0.152358539	0.486595723
2.00	19.149	76.215	0.163281490	0.649877213
2.25	18.673	94.888	0.159222688	0.809099901
2.50	13.065	107.953	0.111403868	0.920503769
2.75	5.924	113.877	0.050513319	0.971017088
3.00	2.429	116.306	0.020711825	0.991728913
3.25	0.705	117.011	0.006011460	0.997740373
3.50	0.094	117.105	0.000801528	0.998541901
3.75	0.049	117.154	0.000417818	0.998959719
4.00	0.030	117.184	0.000255807	0.999215526
PAN	0.092	117.276	0.000784474	1.0

TOTAL WT.	117.276	grams	
MEDIAN WT.	58.638	grams	
MEAN GRAIN SIZE	1.77	phi	0.2932 mm

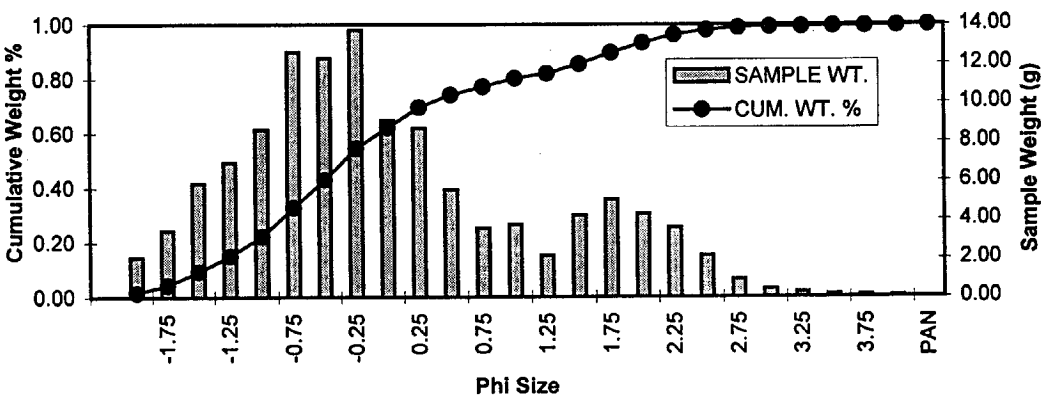


GRAIN SIZE DISTRIBUTION CHART

CORE SL-9 : 2.1-2.6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.035	2.035	0.017002398	0.017002398
-1.75	3.395	5.430	0.028365180	0.045367578
-1.50	5.838	11.268	0.048776412	0.094143990
-1.25	6.919	18.187	0.057808153	0.151952143
-1.00	8.616	26.803	0.071986565	0.223938708
-0.75	12.604	39.407	0.105306252	0.329244960
-0.50	12.302	51.709	0.102783046	0.432028006
-0.25	13.741	65.450	0.114805872	0.546833878
0.00	9.101	74.551	0.076038734	0.622872612
0.25	8.663	83.214	0.072379250	0.695251861
0.50	5.497	88.711	0.045927362	0.741179223
0.75	3.555	92.266	0.029701978	0.770881200
1.00	3.712	95.978	0.031013711	0.801894911
1.25	2.134	98.112	0.017829542	0.819724453
1.50	4.190	102.302	0.035007394	0.854731847
1.75	5.009	107.311	0.041850128	0.896581975
2.00	4.289	111.600	0.035834538	0.932416513
2.25	3.577	115.177	0.029885787	0.962302300
2.50	2.145	117.322	0.017921446	0.980223747
2.75	0.927	118.249	0.007745073	0.987968819
3.00	0.409	118.658	0.003417190	0.991386009
3.25	0.253	118.911	0.002113812	0.993499820
3.50	0.148	119.059	0.001236538	0.994736358
3.75	0.122	119.181	0.001019308	0.995755667
4.00	0.082	119.263	0.000685109	0.996440776
PAN	0.426	119.689	0.003559224	1.0

TOTAL WT.	119.689	grams	
MEDIAN WT.	59.845	grams	
MEAN GRAIN SIZE	-0.35	phi	1.2746 mm

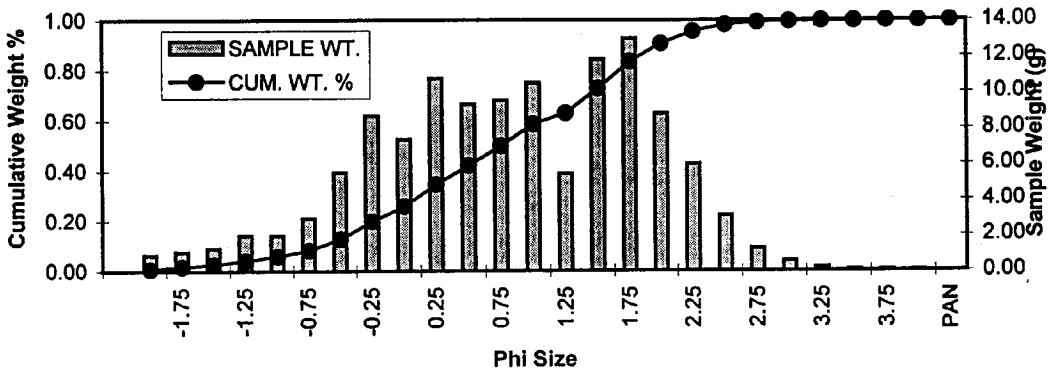


GRAIN SIZE DISTRIBUTION CHART

CORE SL-9 : 2.6-3.4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.889	0.889	0.007262360	0.007262360
-1.75	1.076	1.965	0.008789988	0.016052348
-1.50	1.291	3.256	0.010546352	0.026598699
-1.25	1.985	5.241	0.016215730	0.042814430
-1.00	1.987	7.228	0.016232069	0.059046499
-0.75	2.938	10.166	0.024000915	0.083047414
-0.50	5.521	15.687	0.045101787	0.128149201
-0.25	8.674	24.361	0.070859066	0.199008267
0.00	7.370	31.731	0.060206516	0.259214783
0.25	10.750	42.481	0.087818188	0.347032971
0.50	9.320	51.801	0.076136327	0.423169297
0.75	9.560	61.361	0.078096919	0.501266216
1.00	10.515	71.876	0.085898441	0.587164657
1.25	5.465	77.341	0.044644316	0.631808973
1.50	11.808	89.149	0.096461131	0.728270104
1.75	12.983	102.132	0.106059863	0.834329968
2.00	8.802	110.934	0.071904715	0.906234683
2.25	5.995	116.929	0.048973957	0.955208640
2.50	3.094	120.023	0.025275300	0.980483939
2.75	1.257	121.280	0.010268601	0.990752541
3.00	0.550	121.830	0.004493024	0.995245564
3.25	0.224	122.054	0.001829886	0.997075450
3.50	0.074	122.128	0.000604516	0.997679966
3.75	0.054	122.182	0.000441133	0.998121099
4.00	0.039	122.221	0.000318596	0.998439695
PAN	0.191	122.412	0.001560305	1.0

TOTAL WT.	122.412	grams	
MEDIAN WT.	61.206	grams	
MEAN GRAIN SIZE	0.75	phi	0.5946 mm

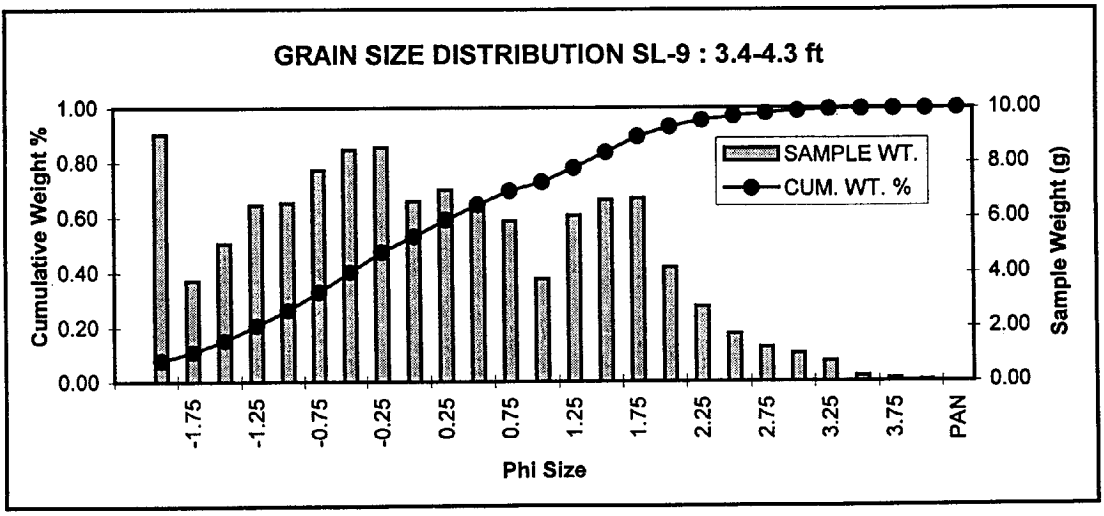


GRAIN SIZE DISTRIBUTION CHART

CORE SL-9 : 3.4-4.3 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	9.034	9.034	0.077282371	0.077282371
-1.75	3.691	12.725	0.031575075	0.108857446
-1.50	5.049	17.774	0.043192239	0.152049685
-1.25	6.446	24.220	0.055143033	0.207192718
-1.00	6.533	30.753	0.055887284	0.263080003
-0.75	7.720	38.473	0.066041610	0.329121612
-0.50	8.477	46.950	0.072517451	0.401639064
-0.25	8.552	55.502	0.073159047	0.474798111
0.00	6.594	62.096	0.056409116	0.531207227
0.25	7.005	69.101	0.059925062	0.591132289
0.50	6.430	75.531	0.055006159	0.646138448
0.75	5.864	81.395	0.050164249	0.696302696
1.00	3.758	85.153	0.032148234	0.728450931
1.25	6.073	91.226	0.051952163	0.780403093
1.50	6.638	97.864	0.056785519	0.837188612
1.75	6.696	104.560	0.057281686	0.894470298
2.00	4.186	108.746	0.035809609	0.930279907
2.25	2.767	111.513	0.023670613	0.953950520
2.50	1.754	113.267	0.015004791	0.968955311
2.75	1.254	114.521	0.010727484	0.979682795
3.00	1.021	115.542	0.008734260	0.988417054
3.25	0.768	116.310	0.006569943	0.994986997
3.50	0.206	116.516	0.001762250	0.996749247
3.75	0.100	116.616	0.000855461	0.997604708
4.00	0.043	116.659	0.000367848	0.997972557
PAN	0.237	116.896	0.002027443	1.0

TOTAL WT.	116.896	grams	
MEDIAN WT.	58.448	grams	
MEAN GRAIN SIZE	-0.14	phi	1.1019 mm



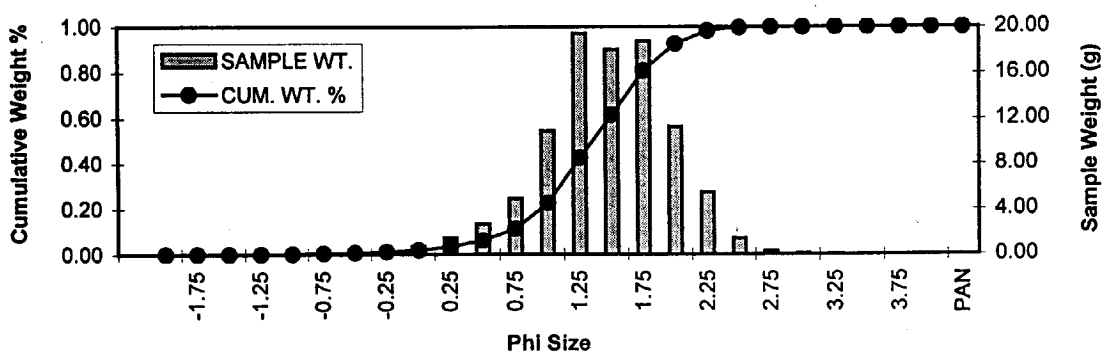
GRAIN SIZE DISTRIBUTION CHART

CORE M-4 : 0-0.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.072	0.072	0.000745180	0.000745180
-1.75	0.067	0.139	0.000693431	0.001438611
-1.50	0.021	0.160	0.000217344	0.001655955
-1.25	0.037	0.197	0.000382940	0.002038894
-1.00	0.116	0.313	0.001200567	0.003239461
-0.75	0.214	0.527	0.002214839	0.005454301
-0.50	0.252	0.779	0.002608129	0.008062429
-0.25	0.419	1.198	0.004336531	0.012398961
0.00	0.713	1.911	0.007379348	0.019778309
0.25	1.509	3.420	0.015617723	0.035396032
0.50	2.688	6.108	0.027820039	0.063216071
0.75	4.927	11.035	0.050993055	0.114209126
1.00	10.925	21.960	0.113070658	0.227279784
1.25	19.395	41.355	0.200732760	0.428012544
1.50	18.001	59.356	0.186305255	0.614317798
1.75	18.742	78.098	0.193974395	0.808292193
2.00	11.242	89.340	0.116351518	0.924643711
2.25	5.464	94.804	0.056550853	0.981194564
2.50	1.401	96.205	0.014499953	0.995694518
2.75	0.257	96.462	0.002659877	0.998354395
3.00	0.082	96.544	0.000848677	0.999203072
3.25	0.028	96.572	0.000289792	0.999492864
3.50	0.024	96.596	0.000248393	0.999741257
3.75	0.011	96.607	0.000113847	0.999855104
4.00	0.006	96.613	0.000062098	0.999917202
PAN	0.008	96.621	0.000082798	1.0

TOTAL WT.	96.621	grams	
MEDIAN WT.	48.311	grams	
MEAN GRAIN SIZE	1.35	phi	0.3923 mm

GRAIN SIZE DISTRIBUTION M-4 : 0-0.5 ft



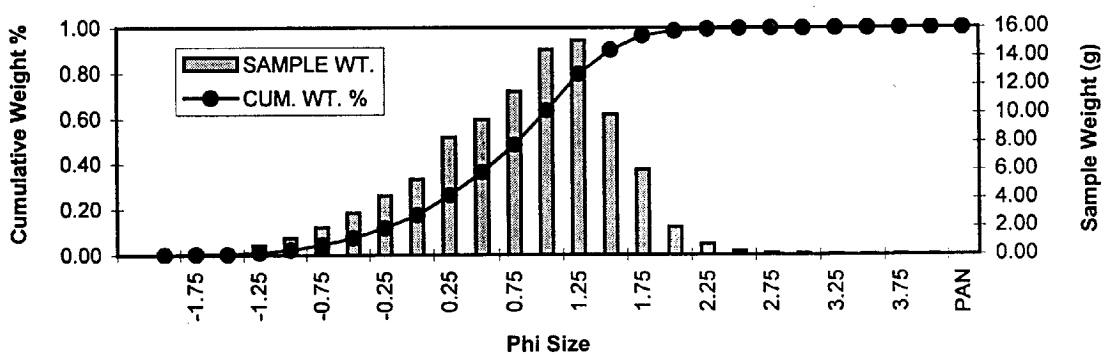
GRAIN SIZE DISTRIBUTION CHART

CORE M-4 : 0.5-2.3 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.166	0.166	0.001745164	0.001745164
-1.75	0.244	0.410	0.002565181	0.004310345
-1.50	0.047	0.457	0.000494113	0.004804458
-1.25	0.683	1.140	0.007180404	0.011984861
-1.00	1.196	2.336	0.012573591	0.024558452
-0.75	1.934	4.270	0.020332212	0.044890664
-0.50	2.979	7.249	0.031318335	0.076208999
-0.25	4.205	11.454	0.044207317	0.120416316
0.00	5.341	16.795	0.056150126	0.176566442
0.25	8.338	25.133	0.087657696	0.264224138
0.50	9.559	34.692	0.100494113	0.364718251
0.75	11.528	46.220	0.121194281	0.485912532
1.00	14.460	60.680	0.152018503	0.637931034
1.25	15.101	75.781	0.158757359	0.796688394
1.50	9.915	85.696	0.104236754	0.900925147
1.75	6.023	91.719	0.063320017	0.964245164
2.00	1.971	93.690	0.020721194	0.984966358
2.25	0.745	94.435	0.007832212	0.992798570
2.50	0.274	94.709	0.002880572	0.995679142
2.75	0.112	94.821	0.001177460	0.996856602
3.00	0.080	94.901	0.000841043	0.997697645
3.25	0.063	94.964	0.000662321	0.998359966
3.50	0.050	95.014	0.000525652	0.998885618
3.75	0.039	95.053	0.000410008	0.999295627
4.00	0.033	95.086	0.000346930	0.999642557
PAN	0.034	95.120	0.000357443	1.0

TOTAL WT.	95.120	grams	
MEDIAN WT.	47.560	grams	
MEAN GRAIN SIZE	0.77	phi	0.5864 mm

GRAIN SIZE DISTRIBUTION M-4 : 0.5-2.3 ft



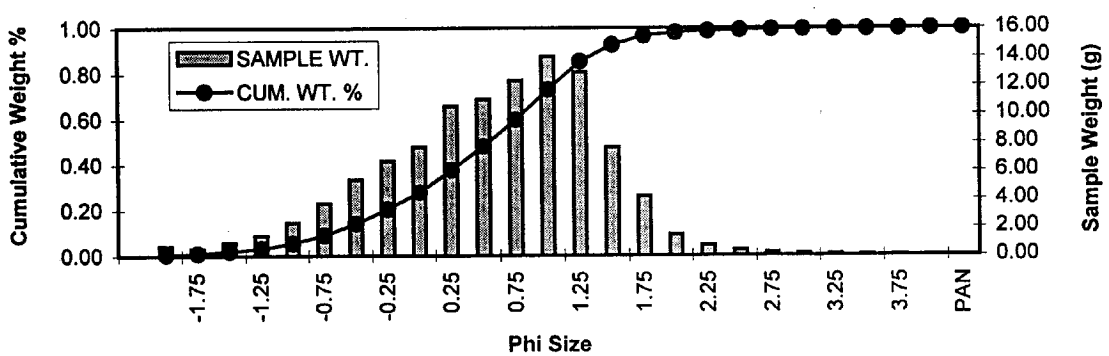
GRAIN SIZE DISTRIBUTION CHART

CORE M-4 : 2.3-3.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.710	0.710	0.006730815	0.006730815
-1.75	0.528	1.238	0.005005451	0.011736266
-1.50	0.957	2.195	0.009072380	0.020808646
-1.25	1.423	3.618	0.013490070	0.034298715
-1.00	2.349	5.967	0.022268569	0.056567284
-0.75	3.694	9.661	0.035019197	0.091586481
-0.50	5.369	15.030	0.050898232	0.142484713
-0.25	6.686	21.716	0.063383419	0.205868133
0.00	7.671	29.387	0.072721240	0.278589373
0.25	10.545	39.932	0.099966820	0.378556193
0.50	11.022	50.954	0.104488790	0.483044983
0.75	12.316	63.270	0.116755937	0.599800920
1.00	14.009	77.279	0.132805612	0.732606532
1.25	12.905	90.184	0.122339669	0.854946201
1.50	7.629	97.813	0.072323079	0.927269280
1.75	4.171	101.984	0.039541167	0.966810447
2.00	1.475	103.459	0.013983031	0.980793478
2.25	0.741	104.200	0.007024695	0.987818173
2.50	0.414	104.614	0.003924729	0.991742902
2.75	0.224	104.838	0.002123525	0.993866427
3.00	0.181	105.019	0.001715884	0.995582310
3.25	0.135	105.154	0.001279803	0.996862113
3.50	0.099	105.253	0.000938522	0.997800635
3.75	0.092	105.345	0.000872162	0.998672797
4.00	0.072	105.417	0.000682562	0.999355359
PAN	0.068	105.485	0.000644641	1.0

TOTAL WT.	105.485	grams	
MEDIAN WT.	52.743	grams	
MEAN GRAIN SIZE	0.54	phi	0.6878 mm

GRAIN SIZE DISTRIBUTION M-4 : 2.3-3.1 ft



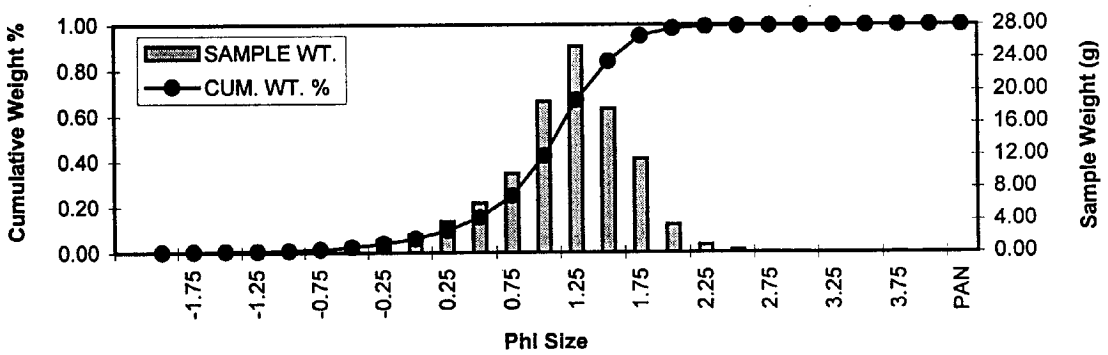
GRAIN SIZE DISTRIBUTION CHART

CORE M-4 : 3.1-3.7 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.251	0.251	0.002407697	0.002407697
-1.75	0.179	0.430	0.001717043	0.004124740
-1.50	0.103	0.533	0.000988019	0.005112759
-1.25	0.061	0.594	0.000585138	0.005697896
-1.00	0.298	0.892	0.002858541	0.008556437
-0.75	0.550	1.442	0.005275830	0.013832267
-0.50	1.045	2.487	0.010024077	0.023856344
-0.25	1.599	4.086	0.015338277	0.039194621
0.00	2.182	6.268	0.020930656	0.060125277
0.25	3.813	10.081	0.036575890	0.096701167
0.50	6.115	16.196	0.058657637	0.155358804
0.75	9.771	25.967	0.093727518	0.249086322
1.00	18.587	44.554	0.178294276	0.427380598
1.25	25.408	69.962	0.243724160	0.671104759
1.50	17.678	87.640	0.169574768	0.840679527
1.75	11.604	99.244	0.111310420	0.951989947
2.00	3.407	102.651	0.032681369	0.984671316
2.25	0.924	103.575	0.008863394	0.993534710
2.50	0.302	103.877	0.002896910	0.996431620
2.75	0.111	103.988	0.001064758	0.997496379
3.00	0.073	104.061	0.000700247	0.998196625
3.25	0.060	104.121	0.000575545	0.998772170
3.50	0.039	104.160	0.000374104	0.999146275
3.75	0.035	104.195	0.000335735	0.999482009
4.00	0.025	104.220	0.000239810	0.999721820
PAN	0.029	104.249	0.000278180	1.0

TOTAL WT.	104.249	grams	
MEDIAN WT.	52.125	grams	
MEAN GRAIN SIZE	1.07	phi	0.4763 mm

GRAIN SIZE DISTRIBUTION M-4 : 3.1-3.7 ft



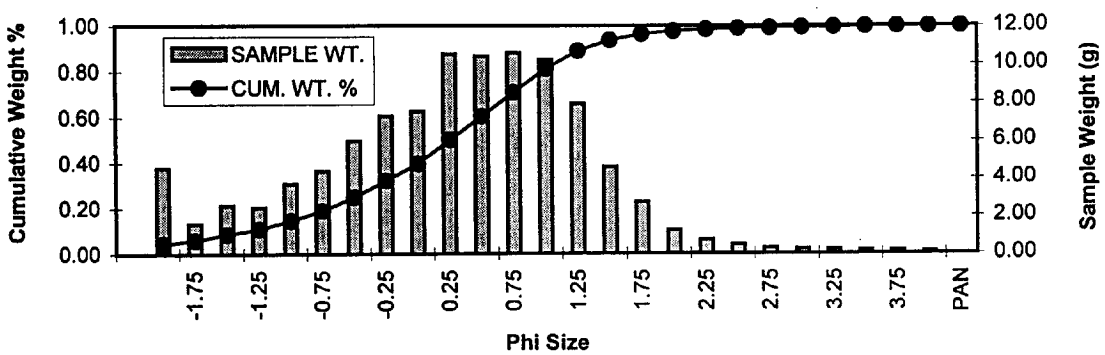
GRAIN SIZE DISTRIBUTION CHART

CORE M-4 : 3.7-4.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	4.541	4.541	0.045149039	0.045149039
-1.75	1.568	6.109	0.015589890	0.060738929
-1.50	2.558	8.667	0.025432997	0.086171926
-1.25	2.448	11.115	0.024339319	0.110511245
-1.00	3.702	14.817	0.036807254	0.147318499
-0.75	4.370	19.187	0.043448866	0.190767365
-0.50	5.962	25.149	0.059277377	0.250044741
-0.25	7.278	32.427	0.072361749	0.322406490
0.00	7.515	39.942	0.074718129	0.397124620
0.25	10.505	50.447	0.104446300	0.501570920
0.50	10.407	60.854	0.103471932	0.605042852
0.75	10.567	71.421	0.105062737	0.710105590
1.00	10.226	81.647	0.101672334	0.811777924
1.25	7.906	89.553	0.078605659	0.890383583
1.50	4.593	94.146	0.045666050	0.936049633
1.75	2.748	96.894	0.027322078	0.963371712
2.00	1.239	98.133	0.012318797	0.975690509
2.25	0.723	98.856	0.007188451	0.982878960
2.50	0.468	99.324	0.004653105	0.987532065
2.75	0.286	99.610	0.002843564	0.990375629
3.00	0.238	99.848	0.002366323	0.992741952
3.25	0.224	100.072	0.002227127	0.994969079
3.50	0.176	100.248	0.001749886	0.996718964
3.75	0.147	100.395	0.001461552	0.998180517
4.00	0.096	100.491	0.000954483	0.999135000
PAN	0.087	100.578	0.000865000	1.0

TOTAL WT.	100.578	grams	
MEDIAN WT.	50.289	grams	
MEAN GRAIN SIZE	0.25	phi	0.8409 mm

GRAIN SIZE DISTRIBUTION M-4 : 3.7-4.5 ft



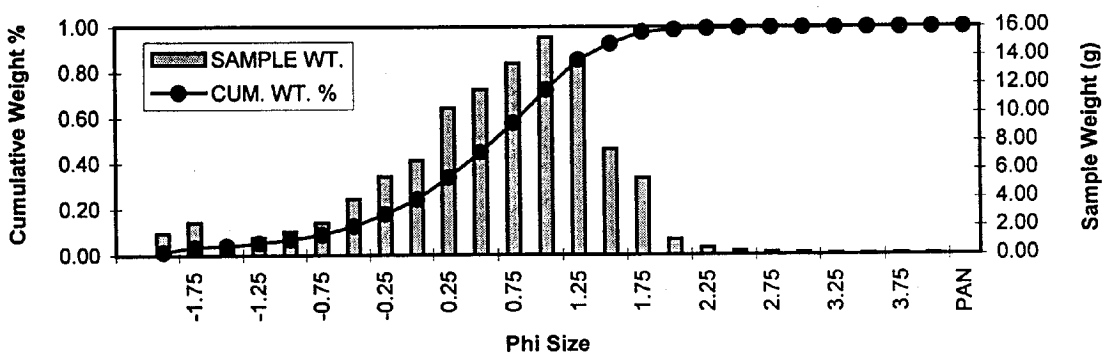
GRAIN SIZE DISTRIBUTION CHART

CORE M-4 : 4.5-5.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.544	1.544	0.014684623	0.014684623
-1.75	2.288	3.832	0.021760633	0.036445256
-1.50	0.541	4.373	0.005145325	0.041590581
-1.25	1.196	5.569	0.011374876	0.052965457
-1.00	1.638	7.207	0.015578635	0.068544092
-0.75	2.250	9.457	0.021399224	0.089943316
-0.50	3.920	13.377	0.037282203	0.127225519
-0.25	5.504	18.881	0.052347257	0.179572776
0.00	6.628	25.509	0.063037358	0.242610135
0.25	10.283	35.792	0.097799209	0.340409343
0.50	11.584	47.376	0.110172716	0.450582059
0.75	13.434	60.810	0.127767633	0.578349692
1.00	15.246	76.056	0.145001141	0.723350833
1.25	13.826	89.882	0.131495853	0.854846686
1.50	7.408	97.290	0.070455756	0.925302442
1.75	5.360	102.650	0.050977707	0.976280149
2.00	1.080	103.730	0.010271627	0.986551777
2.25	0.481	104.211	0.004574679	0.991126455
2.50	0.278	104.489	0.002643993	0.993770448
2.75	0.159	104.648	0.001512212	0.995282660
3.00	0.126	104.774	0.001198357	0.996481017
3.25	0.100	104.874	0.000951077	0.997432093
3.50	0.075	104.949	0.000713307	0.998145401
3.75	0.071	105.020	0.000675264	0.998820665
4.00	0.058	105.078	0.000551624	0.999372289
PAN	0.066	105.144	0.000627711	1.0

TOTAL WT.	105.144	grams	
MEDIAN WT.	52.572	grams	
MEAN GRAIN SIZE	0.6	phi	0.6598 mm

GRAIN SIZE DISTRIBUTION M-4 : 4.5-5.5 ft



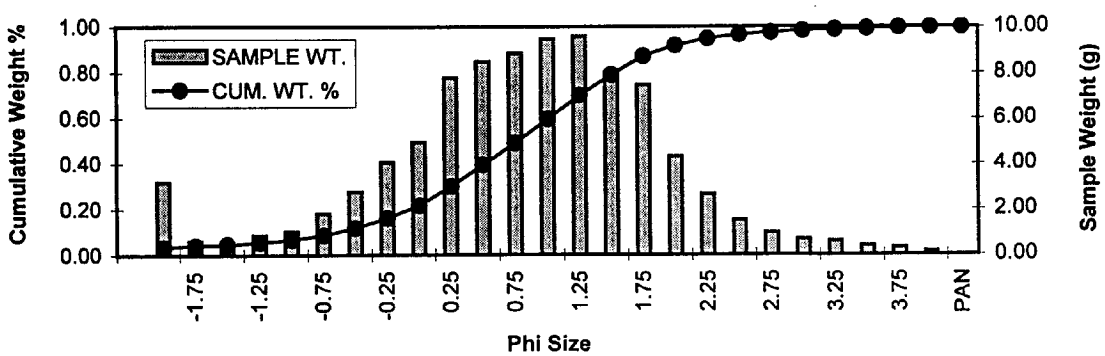
GRAIN SIZE DISTRIBUTION CHART

CORE M-4 : 5.5-6.8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	3.197	3.197	0.035088682	0.035088682
-1.75	0.590	3.787	0.006475547	0.041564229
-1.50	0.493	4.280	0.005410923	0.046975151
-1.25	0.857	5.137	0.009406006	0.056381157
-1.00	1.032	6.169	0.011326719	0.067707876
-0.75	1.823	7.992	0.020008341	0.087716217
-0.50	2.776	10.768	0.030467995	0.118184213
-0.25	4.063	14.831	0.044593467	0.162777680
0.00	4.949	19.780	0.054317763	0.217095443
0.25	7.757	27.537	0.085136974	0.302232417
0.50	8.482	36.019	0.093094214	0.395326631
0.75	8.838	44.857	0.097001493	0.492328124
1.00	9.465	54.322	0.103883133	0.596211256
1.25	9.579	63.901	0.105134340	0.701345597
1.50	8.015	71.916	0.087968654	0.789314251
1.75	7.460	79.376	0.081877250	0.871191501
2.00	4.318	83.694	0.047392221	0.918583721
2.25	2.654	86.348	0.029128984	0.947712705
2.50	1.519	87.867	0.016671789	0.964384494
2.75	0.953	88.820	0.010459654	0.974844148
3.00	0.696	89.516	0.007638950	0.982483098
3.25	0.596	90.112	0.006541400	0.989024497
3.50	0.392	90.504	0.004302397	0.993326894
3.75	0.323	90.827	0.003545087	0.996871982
4.00	0.150	90.977	0.001646325	0.998518307
PAN	0.135	91.112	0.001481693	1.0

TOTAL WT.	91.112	grams	
MEDIAN WT.	45.556	grams	
MEAN GRAIN SIZE	0.77	phi	0.5864 mm

GRAIN SIZE DISTRIBUTION M-4 : 5.5-6.8 ft



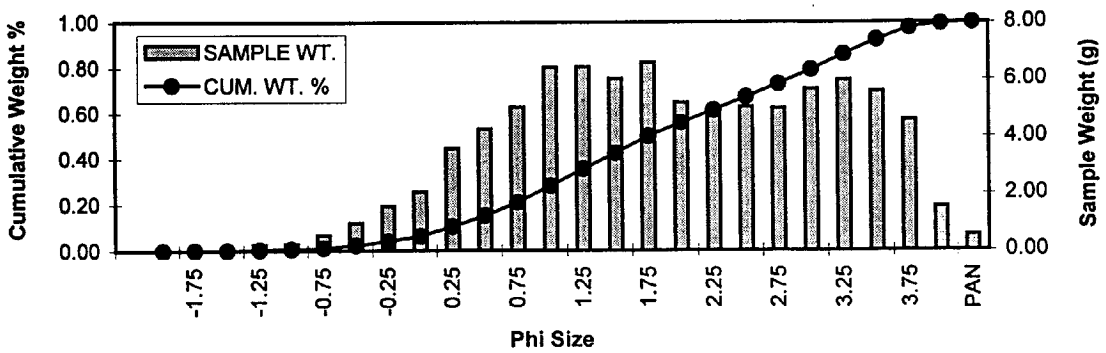
GRAIN SIZE DISTRIBUTION CHART

CORE M-4 : 6.8-7.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.050	0.050	0.000567750	0.000567750
-1.75	0.036	0.086	0.000408780	0.000976529
-1.50	0.073	0.159	0.000828914	0.001805444
-1.25	0.209	0.368	0.002373193	0.004178637
-1.00	0.238	0.606	0.002702488	0.006881125
-0.75	0.537	1.143	0.006097630	0.012978755
-0.50	0.960	2.103	0.010900791	0.023879546
-0.25	1.553	3.656	0.017634301	0.041513847
0.00	2.070	5.726	0.023504832	0.065018679
0.25	3.573	9.299	0.040571383	0.105590062
0.50	4.257	13.556	0.048338197	0.153928259
0.75	5.036	18.592	0.057183735	0.211111994
1.00	6.425	25.017	0.072955818	0.284067812
1.25	6.426	31.443	0.072967173	0.357034985
1.50	6.016	37.459	0.068311626	0.425346611
1.75	6.598	44.057	0.074920231	0.500266842
2.00	5.176	49.233	0.058773434	0.559040276
2.25	4.927	54.160	0.055946041	0.614986317
2.50	5.032	59.192	0.057138315	0.672124632
2.75	4.991	64.183	0.056672761	0.728797393
3.00	5.661	69.844	0.064280605	0.793077997
3.25	5.981	75.825	0.067914202	0.860992199
3.50	5.582	81.407	0.063383560	0.924375759
3.75	4.579	85.986	0.051994504	0.976370264
4.00	1.541	87.527	0.017498041	0.993868305
PAN	0.540	88.067	0.006131695	1.0

TOTAL WT.	88.067	grams	
MEDIAN WT.	44.034	grams	
MEAN GRAIN SIZE	1.75	phi	0.2973 mm

GRAIN SIZE DISTRIBUTION M-4 : 6.8-7.1 ft

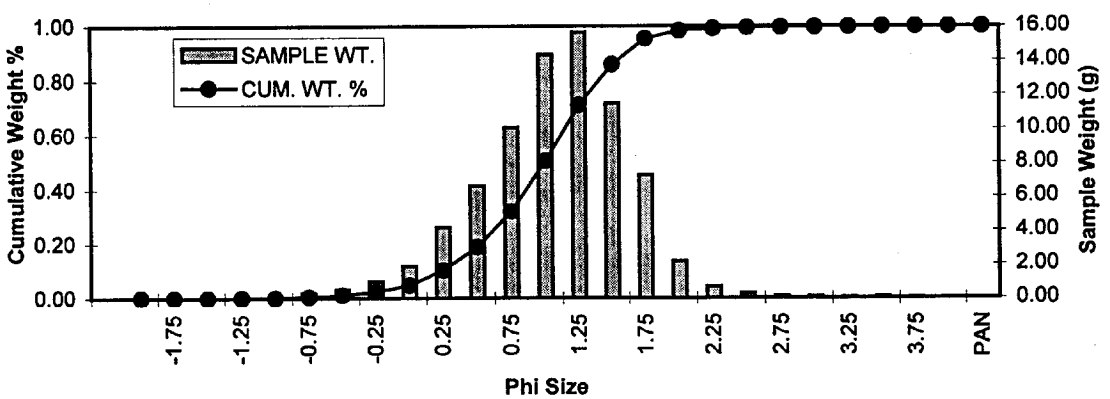


GRAIN SIZE DISTRIBUTION CHART

CORE M-5 : 0-0.7 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.034	0.034	0.000442184	0.000442184
-1.50	0.000	0.034	0.000000000	0.000442184
-1.25	0.030	0.064	0.000390163	0.000832347
-1.00	0.055	0.119	0.000715298	0.001547645
-0.75	0.275	0.394	0.003576491	0.005124137
-0.50	0.482	0.876	0.006268614	0.011392751
-0.25	0.974	1.850	0.012667282	0.024060033
0.00	1.905	3.755	0.024775331	0.048835364
0.25	4.201	7.956	0.054635783	0.103471147
0.50	6.640	14.596	0.086356010	0.189827158
0.75	10.082	24.678	0.131120677	0.320947835
1.00	14.363	39.041	0.186796894	0.507744730
1.25	15.665	54.706	0.203729955	0.711474685
1.50	11.472	66.178	0.149198216	0.860672901
1.75	7.257	73.435	0.094380357	0.955053257
2.00	2.172	75.607	0.028247779	0.983301037
2.25	0.679	76.286	0.008830682	0.992131719
2.50	0.258	76.544	0.003355399	0.995487118
2.75	0.102	76.646	0.001326553	0.996813671
3.00	0.073	76.719	0.000949396	0.997763067
3.25	0.047	76.766	0.000611255	0.998374322
3.50	0.080	76.846	0.001040434	0.999414756
3.75	0.021	76.867	0.000273114	0.999687870
4.00	0.010	76.877	0.000130054	0.999817924
PAN	0.014	76.891	0.000182076	1.0

TOTAL WT.	76.891	grams	
MEDIAN WT.	38.446	grams	
MEAN GRAIN SIZE	0.99	phi	0.5035 mm

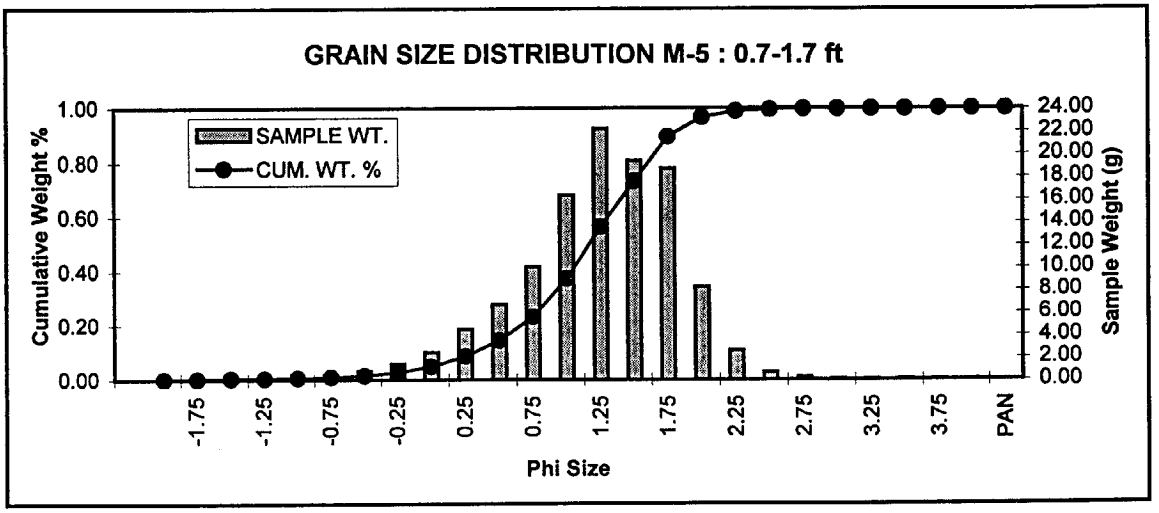


GRAIN SIZE DISTRIBUTION CHART

CORE M-5 : 0.7-1.7 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.147	0.147	0.001269595	0.001269595
-1.75	0.109	0.256	0.000941400	0.002210995
-1.50	0.254	0.510	0.002193721	0.004404716
-1.25	0.093	0.603	0.000803213	0.005207928
-1.00	0.153	0.756	0.001321415	0.006529343
-0.75	0.414	1.170	0.003575593	0.010104936
-0.50	0.751	1.921	0.006486160	0.016591096
-0.25	1.417	3.338	0.012238200	0.028829296
0.00	2.430	5.768	0.020987175	0.049816470
0.25	4.497	10.265	0.038839228	0.088655698
0.50	6.703	16.968	0.057891782	0.146547480
0.75	10.038	27.006	0.086695168	0.233242648
1.00	16.368	43.374	0.141365462	0.374608110
1.25	22.215	65.589	0.191864231	0.566472341
1.50	19.419	85.008	0.167716025	0.734188366
1.75	18.736	103.744	0.161817161	0.896005527
2.00	8.277	112.021	0.071485944	0.967491471
2.25	2.596	114.617	0.022420866	0.989912338
2.50	0.681	115.298	0.005881591	0.995793928
2.75	0.196	115.494	0.001692793	0.997486721
3.00	0.091	115.585	0.000785939	0.998272661
3.25	0.058	115.643	0.000500928	0.998773589
3.50	0.045	115.688	0.000388651	0.999162240
3.75	0.037	115.725	0.000319558	0.999481798
4.00	0.029	115.754	0.000250464	0.999732262
PAN	0.031	115.785	0.000267738	1.0

TOTAL WT.	115.785	grams	
MEDIAN WT.	57.893	grams	
MEAN GRAIN SIZE	1.16	phi	0.4475 mm

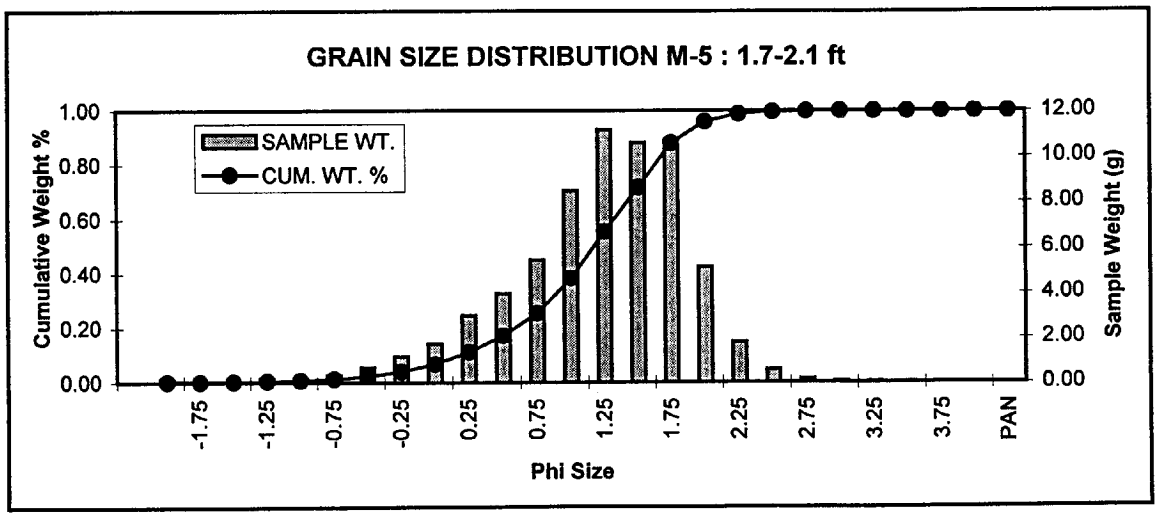


GRAIN SIZE DISTRIBUTION CHART

CORE M-5 : 1.7-2.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.146	0.146	0.002233133	0.002233133
-1.75	0.000	0.146	0.000000000	0.002233133
-1.50	0.049	0.195	0.000749476	0.002982609
-1.25	0.165	0.360	0.002523746	0.005506355
-1.00	0.186	0.546	0.002844950	0.008351305
-0.75	0.317	0.863	0.004848652	0.013199957
-0.50	0.654	1.517	0.010003212	0.023203169
-0.25	1.138	2.655	0.017406201	0.040609370
0.00	1.717	4.372	0.026262255	0.066871625
0.25	2.963	7.335	0.045320363	0.112191988
0.50	3.945	11.280	0.060340476	0.172532465
0.75	5.428	16.708	0.083023601	0.255556065
1.00	8.467	25.175	0.129506416	0.385062482
1.25	11.150	36.325	0.170544058	0.555606540
1.50	10.571	46.896	0.161688004	0.717294544
1.75	10.697	57.593	0.163615228	0.880909772
2.00	5.118	62.711	0.078282017	0.959191789
2.25	1.801	64.512	0.027547072	0.986738861
2.50	0.559	65.071	0.008550146	0.995289007
2.75	0.161	65.232	0.002462564	0.997751572
3.00	0.058	65.290	0.000887135	0.998638707
3.25	0.029	65.319	0.000443568	0.999082274
3.50	0.021	65.340	0.000321204	0.999403478
3.75	0.013	65.353	0.000198841	0.999602319
4.00	0.010	65.363	0.000152954	0.999755273
PAN	0.016	65.379	0.000244727	1.0

TOTAL WT.	65.379	grams	
MEDIAN WT.	32.690	grams	
MEAN GRAIN SIZE	1.17	phi	0.4444 mm

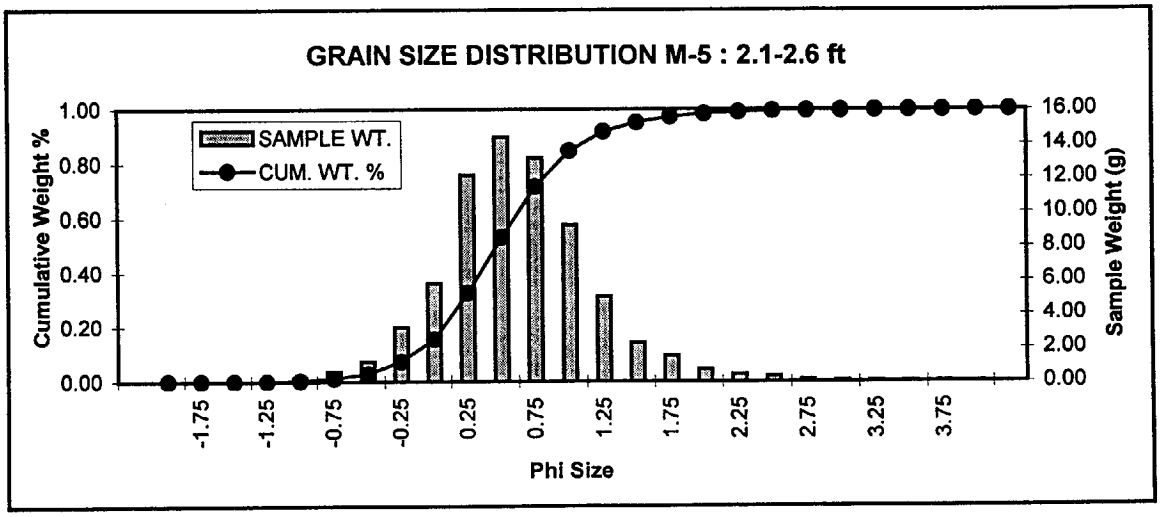


GRAIN SIZE DISTRIBUTION CHART

CORE M-5 : 2.1-2.6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.032	0.032	0.000452527	0.000452527
-1.00	0.240	0.272	0.003393953	0.003846480
-0.75	0.598	0.870	0.008456600	0.012303080
-0.50	1.178	2.048	0.016658653	0.028961733
-0.25	3.204	5.252	0.045309274	0.074271007
0.00	5.820	11.072	0.082303363	0.156574370
0.25	12.151	23.223	0.171833018	0.328407388
0.50	14.389	37.612	0.203481630	0.531889018
0.75	13.144	50.756	0.185875498	0.717764516
1.00	9.254	60.010	0.130865175	0.848629691
1.25	5.020	65.030	0.070990186	0.919619877
1.50	2.316	67.346	0.032751647	0.952371525
1.75	1.520	68.866	0.021495036	0.973866561
2.00	0.742	69.608	0.010492972	0.984359533
2.25	0.415	70.023	0.005868711	0.990228243
2.50	0.319	70.342	0.004511129	0.994739373
2.75	0.114	70.456	0.001612128	0.996351500
3.00	0.076	70.532	0.001074752	0.997426252
3.25	0.058	70.590	0.000820205	0.998246458
3.50	0.042	70.632	0.000593942	0.998840399
3.75	0.034	70.666	0.000480810	0.999321209
4.00	0.021	70.687	0.000296971	0.999618180
PAN	0.027	70.714	0.000381820	1.0

TOTAL WT.	70.714	grams	
MEDIAN WT.	35.357	grams	
MEAN GRAIN SIZE	0.46	phi	0.7270 mm

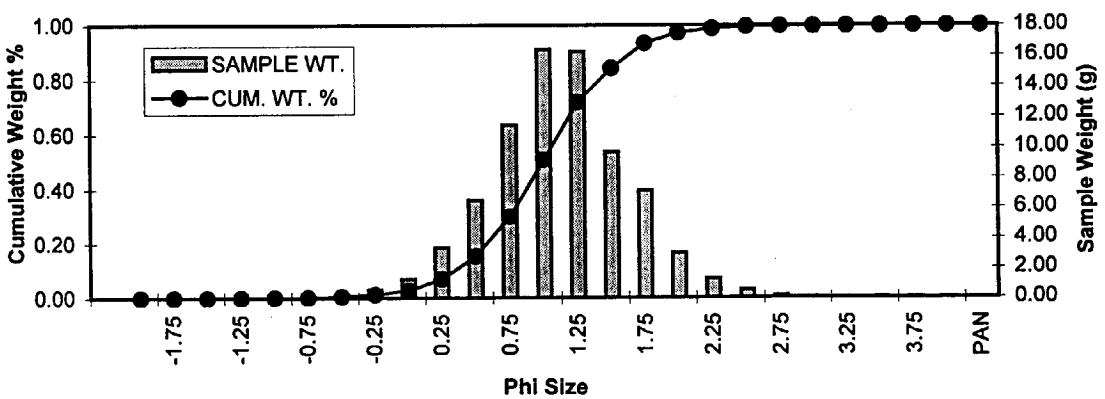


GRAIN SIZE DISTRIBUTION CHART

CORE M-5 : 2.6-4.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000000000	0.000000000
-1.25	0.031	0.031	0.000397441	0.000397441
-1.00	0.028	0.059	0.000358979	0.000756420
-0.75	0.070	0.129	0.000897447	0.001653867
-0.50	0.226	0.355	0.002897473	0.004551340
-0.25	0.524	0.879	0.006718035	0.011269375
0.00	1.252	2.131	0.016051488	0.027320863
0.25	3.323	5.454	0.042603110	0.069923973
0.50	6.471	11.925	0.082962602	0.152886575
0.75	11.445	23.370	0.146732650	0.299619226
1.00	16.408	39.778	0.210361671	0.509980897
1.25	16.251	56.029	0.208348825	0.718329722
1.50	9.676	65.705	0.124052872	0.842382595
1.75	7.130	72.835	0.091411428	0.933794023
2.00	2.998	75.833	0.038436390	0.972230413
2.25	1.282	77.115	0.016436108	0.988666521
2.50	0.510	77.625	0.006538545	0.995205067
2.75	0.156	77.781	0.002000026	0.997205092
3.00	0.074	77.855	0.000948730	0.998153822
3.25	0.045	77.900	0.000576930	0.998730753
3.50	0.036	77.936	0.000461544	0.999192297
3.75	0.024	77.960	0.000307696	0.999499994
4.00	0.022	77.982	0.000282055	0.999782048
PAN	0.017	77.999	0.000217952	1.0

TOTAL WT.	77.999	grams	
MEDIAN WT.	39.000	grams	
MEAN GRAIN SIZE	0.99	phi	0.5035 mm

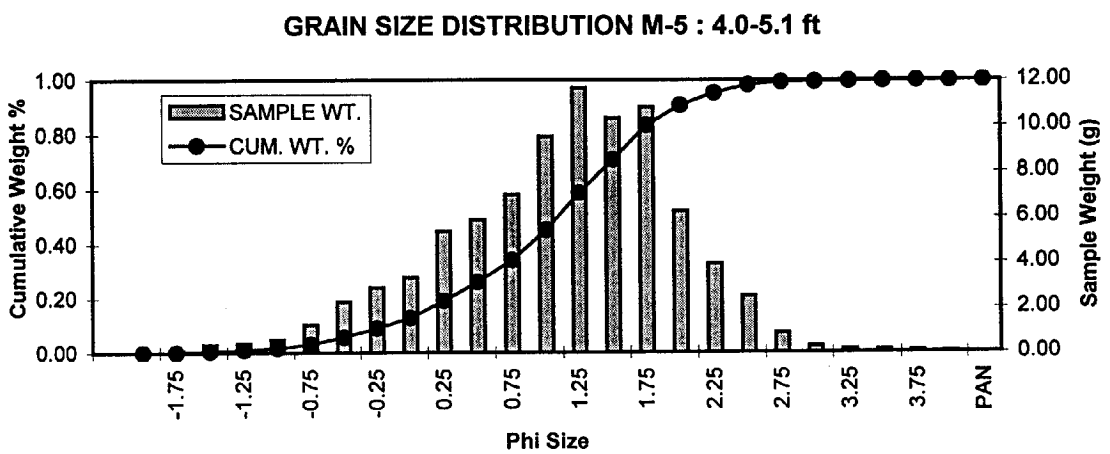


GRAIN SIZE DISTRIBUTION CHART

CORE M-5 : 4.0-5.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.038	0.038	0.000441855	0.000441855
-1.75	0.105	0.143	0.001220916	0.001662771
-1.50	0.348	0.491	0.004046465	0.005709236
-1.25	0.393	0.884	0.004569714	0.010278950
-1.00	0.597	1.481	0.006941780	0.017220730
-0.75	1.228	2.709	0.014278904	0.031499634
-0.50	2.249	4.958	0.026150859	0.057650492
-0.25	2.892	7.850	0.033627516	0.091278008
0.00	3.341	11.191	0.038848385	0.130126394
0.25	5.382	16.573	0.062580668	0.192707062
0.50	5.880	22.453	0.068371298	0.261078360
0.75	6.991	29.444	0.081289752	0.342368112
1.00	9.517	38.961	0.110661504	0.453029616
1.25	11.628	50.589	0.135207730	0.588237346
1.50	10.335	60.924	0.120173021	0.708410367
1.75	10.781	71.705	0.125359007	0.833769375
2.00	6.234	77.939	0.072487529	0.906256904
2.25	3.931	81.870	0.045708771	0.951965675
2.50	2.509	84.379	0.029174079	0.981139754
2.75	0.864	85.243	0.010046395	0.991186149
3.00	0.300	85.543	0.003488332	0.994674481
3.25	0.143	85.686	0.001662771	0.996337252
3.50	0.107	85.793	0.001244172	0.997581423
3.75	0.081	85.874	0.000941850	0.998523273
4.00	0.061	85.935	0.000709294	0.999232567
PAN	0.066	86.001	0.000767433	1.0

TOTAL WT.	86.001	grams	
MEDIAN WT.	43.001	grams	
MEAN GRAIN SIZE	1.09	phi	0.4698 mm

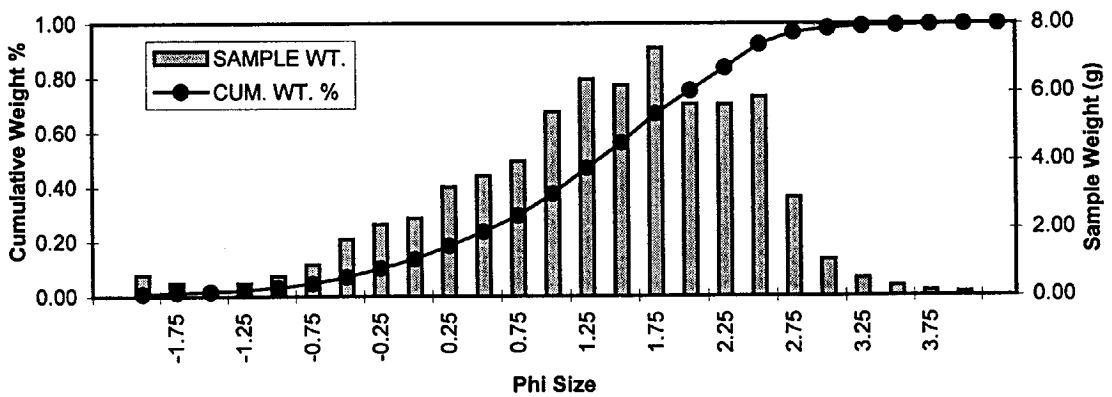


GRAIN SIZE DISTRIBUTION CHART

CORE M-5 : 5.1-5.6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.634	0.634	0.009388837	0.009388837
-1.75	0.393	1.027	0.005819894	0.015208731
-1.50	0.199	1.226	0.002946969	0.018155701
-1.25	0.397	1.623	0.005879130	0.024034831
-1.00	0.604	2.227	0.008944570	0.032979401
-0.75	0.948	3.175	0.014038829	0.047018230
-0.50	1.678	4.853	0.024849320	0.071867549
-0.25	2.113	6.966	0.031291187	0.103158737
0.00	2.305	9.271	0.034134494	0.137293231
0.25	3.221	12.492	0.047699439	0.184992670
0.50	3.541	16.033	0.052438284	0.237430954
0.75	3.975	20.008	0.058865343	0.296296296
1.00	5.413	25.421	0.080160528	0.376456825
1.25	6.356	31.777	0.094125313	0.470582138
1.50	6.183	37.960	0.091563375	0.562145512
1.75	7.272	45.232	0.107690257	0.669835769
2.00	5.641	50.873	0.083536956	0.753372725
2.25	5.628	56.501	0.083344440	0.836717165
2.50	5.858	62.359	0.086750485	0.923467650
2.75	2.902	65.261	0.042975402	0.966443052
3.00	1.071	66.332	0.015860323	0.982303375
3.25	0.531	66.863	0.007863521	0.990166896
3.50	0.300	67.163	0.004442667	0.994609564
3.75	0.162	67.325	0.002399040	0.997008604
4.00	0.100	67.425	0.001480889	0.998489493
PAN	0.102	67.527	0.001510507	1.0

TOTAL WT.	67.527	grams	
MEDIAN WT.	33.764	grams	
MEAN GRAIN SIZE	1.33	phi	0.3978 mm



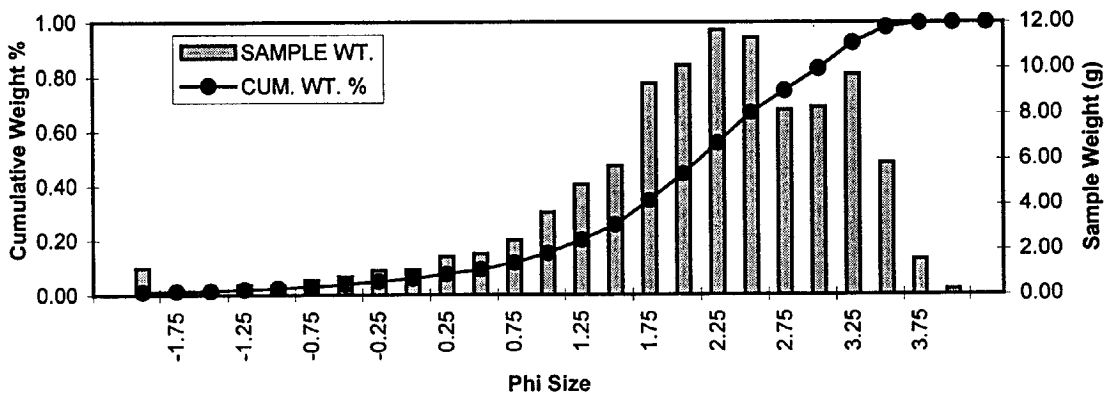
GRAIN SIZE DISTRIBUTION CHART

CORE M-5 : 5.6-6.3 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.194	1.194	0.011645826	0.011645826
-1.75	0.226	1.420	0.002204319	0.013850145
-1.50	0.187	1.607	0.001823928	0.015674073
-1.25	0.459	2.066	0.004476913	0.020150986
-1.00	0.432	2.498	0.004213565	0.024364551
-0.75	0.647	3.145	0.006310594	0.030675146
-0.50	0.808	3.953	0.007880928	0.038556074
-0.25	1.092	5.045	0.010650957	0.049207030
0.00	1.122	6.167	0.010943566	0.060150596
0.25	1.688	7.855	0.016464116	0.076614712
0.50	1.816	9.671	0.017712580	0.094327293
0.75	2.426	12.097	0.023662291	0.117989583
1.00	3.657	15.754	0.035669001	0.153658584
1.25	4.863	20.617	0.047431871	0.201090455
1.50	5.688	26.305	0.055478610	0.256569065
1.75	9.307	35.612	0.090776974	0.347346039
2.00	10.098	45.710	0.098492090	0.445838129
2.25	11.639	57.349	0.113522424	0.559360552
2.50	11.300	68.649	0.110215945	0.669576498
2.75	8.144	76.793	0.079433510	0.749010007
3.00	8.286	85.079	0.080818524	0.829828531
3.25	9.707	94.786	0.094678423	0.924506954
3.50	5.825	100.611	0.056814857	0.981321811
3.75	1.559	102.170	0.015205899	0.996527710
4.00	0.220	102.390	0.002145797	0.998673507
PAN	0.136	102.526	0.001326493	1.0

TOTAL WT.	102.526	grams	
MEDIAN WT.	51.263	grams	
MEAN GRAIN SIZE	2.12	phi	0.2300 mm

GRAIN SIZE DISTRIBUTION M-5 : 5.6-6.3 ft

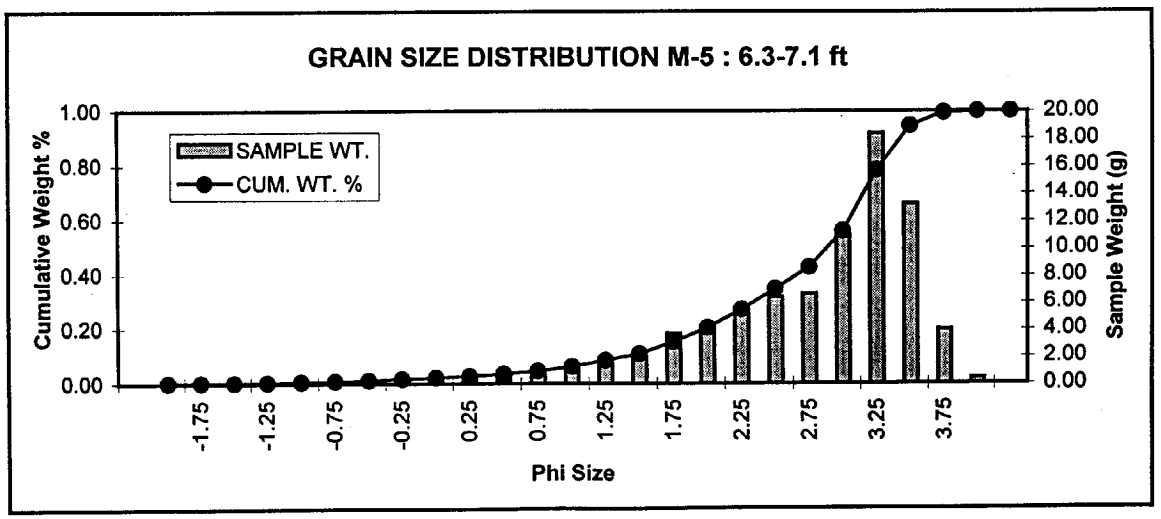


GRAIN SIZE DISTRIBUTION CHART

CORE M-5 : 6.3-7.1 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.203	0.203	0.002466945	0.002466945
-1.75	0.097	0.300	0.001178787	0.003645732
-1.50	0.014	0.314	0.000170134	0.003815866
-1.25	0.093	0.407	0.001130177	0.004946043
-1.00	0.168	0.575	0.002041610	0.006987653
-0.75	0.183	0.758	0.002223897	0.009211550
-0.50	0.330	1.088	0.004010305	0.013221855
-0.25	0.346	1.434	0.004204744	0.017426599
0.00	0.395	1.829	0.004800214	0.022226813
0.25	0.504	2.333	0.006124830	0.028351643
0.50	0.627	2.960	0.007619580	0.035971223
0.75	0.846	3.806	0.010280964	0.046252187
1.00	1.353	5.159	0.016442252	0.062694439
1.25	1.829	6.988	0.022226813	0.084921252
1.50	1.895	8.883	0.023028874	0.107950126
1.75	3.677	12.560	0.044684523	0.152634649
2.00	4.236	16.796	0.051477737	0.204112386
2.25	5.511	22.307	0.066972098	0.271084484
2.50	6.343	28.650	0.077082928	0.348167412
2.75	6.574	35.224	0.079890142	0.428057554
3.00	10.976	46.200	0.133385184	0.561442738
3.25	18.370	64.570	0.223240327	0.784683064
3.50	13.220	77.790	0.160655260	0.945338324
3.75	3.988	81.778	0.048463932	0.993802255
4.00	0.391	82.169	0.004751604	0.998553860
PAN	0.119	82.288	0.001446140	1.0

TOTAL WT.	82.288	grams	
MEDIAN WT.	41.144	grams	
MEAN GRAIN SIZE	2.88	phi	0.1358 mm

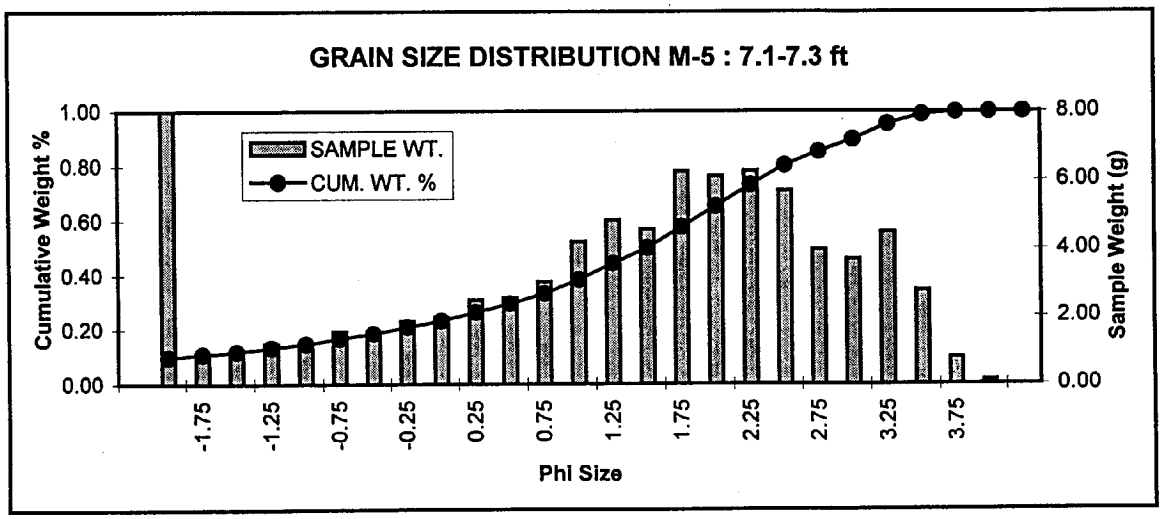


GRAIN SIZE DISTRIBUTION CHART

CORE M-5 : 7.1-7.3 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	7.986	7.986	0.098916207	0.098916207
-1.75	0.823	8.809	0.010193844	0.109110051
-1.50	0.827	9.636	0.010243389	0.119353440
-1.25	1.187	10.823	0.014702422	0.134055862
-1.00	1.133	11.956	0.014033567	0.148089428
-0.75	1.549	13.505	0.019186227	0.167275655
-0.50	1.550	15.055	0.019198613	0.186474268
-0.25	1.851	16.906	0.022926859	0.209401127
0.00	1.966	18.872	0.024351273	0.233752400
0.25	2.485	21.357	0.030779711	0.264532111
0.50	2.550	23.907	0.031584815	0.296116926
0.75	3.022	26.929	0.037431102	0.333548027
1.00	4.196	31.125	0.051972503	0.385520530
1.25	4.830	35.955	0.059825355	0.445345885
1.50	4.558	40.513	0.056456308	0.501802192
1.75	6.257	46.770	0.077500464	0.579302657
2.00	6.105	52.875	0.075617762	0.654920419
2.25	6.268	59.143	0.077636713	0.732557131
2.50	5.690	64.833	0.070477488	0.803034619
2.75	3.970	68.803	0.049173221	0.852207840
3.00	3.689	72.492	0.045692698	0.897900539
3.25	4.485	76.977	0.055552115	0.953452654
3.50	2.767	79.744	0.034272620	0.987725274
3.75	0.788	80.532	0.009760327	0.997485601
4.00	0.126	80.658	0.001560661	0.999046262
PAN	0.077	80.735	0.000953738	1.0

TOTAL WT.	80.735	grams	
MEDIAN WT.	40.368	grams	
MEAN GRAIN SIZE	1.49	phi	0.3560 mm

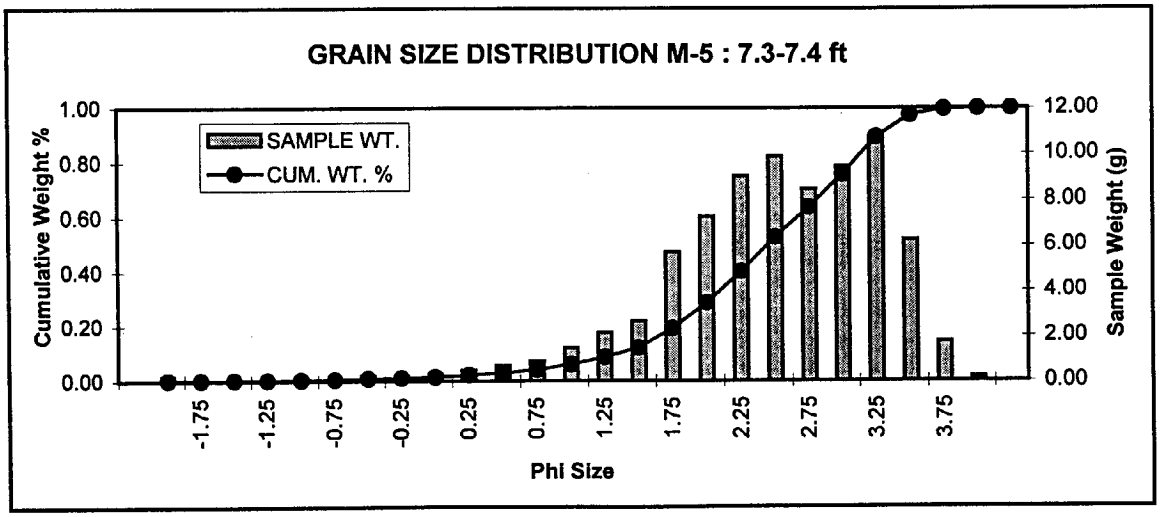


GRAIN SIZE DISTRIBUTION CHART

CORE M-5 : 7.3-7.4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.203	0.203	0.002598766	0.002598766
-1.75	0.000	0.203	0.000000000	0.002598766
-1.50	0.031	0.234	0.000396856	0.002995622
-1.25	0.023	0.257	0.000294441	0.003290063
-1.00	0.155	0.412	0.001984279	0.005274343
-0.75	0.048	0.460	0.000614487	0.005888829
-0.50	0.244	0.704	0.003123640	0.009012469
-0.25	0.208	0.912	0.002662775	0.011675244
0.00	0.320	1.232	0.004096577	0.015771821
0.25	0.484	1.716	0.006196072	0.021967893
0.50	0.685	2.401	0.008769235	0.030737128
0.75	0.892	3.293	0.011419208	0.042156336
1.00	1.469	4.762	0.018805848	0.060962183
1.25	2.139	6.901	0.027383056	0.088345239
1.50	2.640	9.541	0.033796759	0.122141998
1.75	5.690	15.231	0.072842256	0.194984254
2.00	7.246	22.477	0.092761861	0.287746115
2.25	9.012	31.489	0.115369844	0.403115959
2.50	9.863	41.352	0.126264178	0.529380137
2.75	8.443	49.795	0.108085618	0.637465755
3.00	9.421	59.216	0.120605781	0.758071536
3.25	10.633	69.849	0.136121566	0.894193102
3.50	6.237	76.086	0.079844842	0.974037945
3.75	1.740	77.826	0.022275136	0.996313081
4.00	0.185	78.011	0.002368333	0.998681414
PAN	0.103	78.114	0.001318586	1.0

TOTAL WT.	78.114	grams	
MEDIAN WT.	39.057	grams	
MEAN GRAIN SIZE	2.44	phi	0.1843 mm



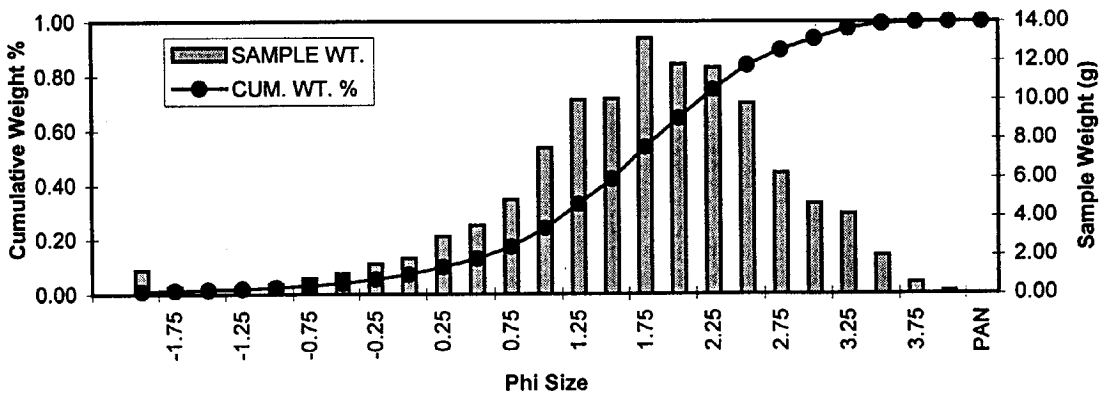
GRAIN SIZE DISTRIBUTION CHART

CORE M-5 : 7.4-7.7 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.228	1.228	0.011059875	0.011059875
-1.75	0.380	1.608	0.003422437	0.014482311
-1.50	0.253	1.861	0.002278622	0.016760934
-1.25	0.308	2.169	0.002773975	0.019534909
-1.00	0.528	2.697	0.004755386	0.024290295
-0.75	0.801	3.498	0.007214136	0.031504431
-0.50	1.078	4.576	0.009708913	0.041213344
-0.25	1.558	6.134	0.014031991	0.055245335
0.00	1.847	7.981	0.016634844	0.071880179
0.25	2.966	10.947	0.026713020	0.098593198
0.50	3.516	14.463	0.031666547	0.130259745
0.75	4.846	19.309	0.043645075	0.173904820
1.00	7.532	26.841	0.067836299	0.241741120
1.25	9.965	36.806	0.089748901	0.331490021
1.50	10.028	46.834	0.090316305	0.421806326
1.75	13.118	59.952	0.118146120	0.539952446
2.00	11.821	71.773	0.106464803	0.646417249
2.25	11.644	83.417	0.104870668	0.751287917
2.50	9.799	93.216	0.088253837	0.839541754
2.75	6.214	99.430	0.055965848	0.895507601
3.00	4.663	104.093	0.041996902	0.937504503
3.25	4.128	108.221	0.037178471	0.974682974
3.50	1.974	110.195	0.017778658	0.992461633
3.75	0.576	110.771	0.005187694	0.997649326
4.00	0.145	110.916	0.001305930	0.998955256
PAN	0.116	111.032	0.001044744	1.0

TOTAL WT.	111.032	grams	
MEDIAN WT.	55.516	grams	
MEAN GRAIN SIZE	1.67	phi	0.3143 mm

GRAIN SIZE DISTRIBUTION M-5 : 7.4-7.7 ft

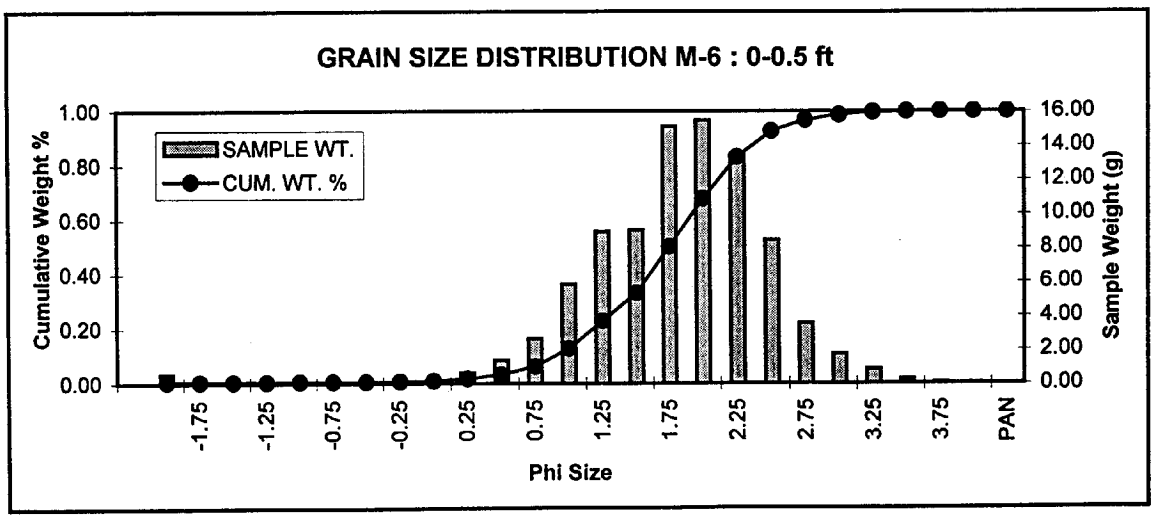


GRAIN SIZE DISTRIBUTION CHART

CORE M-6 : 0-0.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.541	0.541	0.006138868	0.006138868
-1.75	0.000	0.541	0.000000000	0.006138868
-1.50	0.000	0.541	0.000000000	0.006138868
-1.25	0.019	0.560	0.000215598	0.006354466
-1.00	0.015	0.575	0.000170209	0.006524675
-0.75	0.061	0.636	0.000692183	0.007216857
-0.50	0.027	0.663	0.000306376	0.007523234
-0.25	0.080	0.743	0.000907781	0.008431014
0.00	0.191	0.934	0.002167327	0.010598341
0.25	0.618	1.552	0.007012607	0.017610948
0.50	1.368	2.920	0.015523052	0.033134000
0.75	2.614	5.534	0.029661738	0.062795738
1.00	5.822	11.356	0.066063749	0.128859487
1.25	8.918	20.274	0.101194866	0.230054353
1.50	8.994	29.268	0.102057258	0.332111612
1.75	15.093	44.361	0.171264198	0.503375810
2.00	15.459	59.820	0.175417295	0.678793105
2.25	13.411	73.231	0.152178107	0.830971212
2.50	8.432	81.663	0.095680098	0.926651310
2.75	3.533	85.196	0.040089870	0.966741180
3.00	1.734	86.930	0.019676149	0.986417330
3.25	0.857	87.787	0.009724602	0.996141932
3.50	0.239	88.026	0.002711995	0.998853927
3.75	0.050	88.076	0.000567363	0.999421290
4.00	0.022	88.098	0.000249640	0.999670929
PAN	0.029	88.127	0.000329071	1.0

TOTAL WT.	88.127	grams	
MEDIAN WT.	44.064	grams	
MEAN GRAIN SIZE	1.75	phi	0.2973 mm

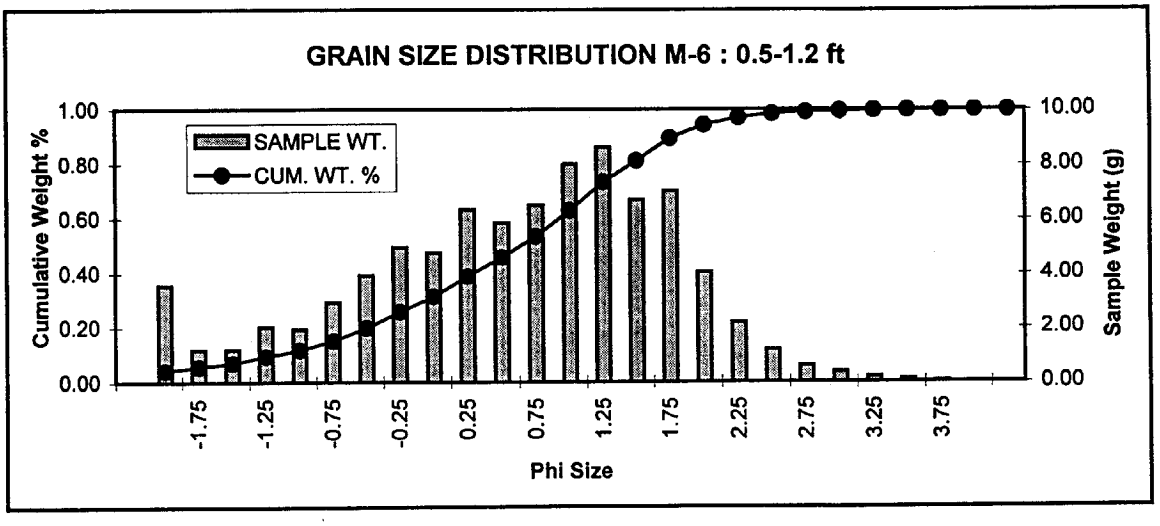


GRAIN SIZE DISTRIBUTION CHART

CORE M-6 : 0.5-1.2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	3.553	3.553	0.042149594	0.042149594
-1.75	1.176	4.729	0.013951005	0.056100599
-1.50	1.199	5.928	0.014223857	0.070324456
-1.25	2.045	7.973	0.024260039	0.094584495
-1.00	1.940	9.913	0.023014414	0.117598909
-0.75	2.924	12.837	0.034687704	0.152286612
-0.50	3.927	16.764	0.046586393	0.198873006
-0.25	4.968	21.732	0.058935880	0.257808885
0.00	4.751	26.483	0.056361587	0.314170473
0.25	6.329	32.812	0.075081559	0.389252032
0.50	5.847	38.659	0.069363545	0.458615576
0.75	6.503	45.162	0.077145738	0.535761314
1.00	7.999	53.161	0.094892936	0.630654250
1.25	8.626	61.787	0.102331099	0.732985349
1.50	6.692	68.479	0.079387864	0.812373213
1.75	7.014	75.493	0.083207782	0.895580995
2.00	4.049	79.542	0.048033691	0.943614687
2.25	2.198	81.740	0.026075093	0.969689780
2.50	1.179	82.919	0.013986595	0.983676375
2.75	0.588	83.507	0.006975503	0.990651877
3.00	0.373	83.880	0.004424936	0.995076814
3.25	0.199	84.079	0.002360757	0.997437570
3.50	0.105	84.184	0.001245625	0.998683196
3.75	0.046	84.230	0.000545703	0.999228899
4.00	0.028	84.258	0.000332167	0.999561065
PAN	0.037	84.295	0.000438935	1.0

TOTAL WT.	84.295	grams	
MEDIAN WT.	42.148	grams	
MEAN GRAIN SIZE	0.63	phi	0.6462 mm



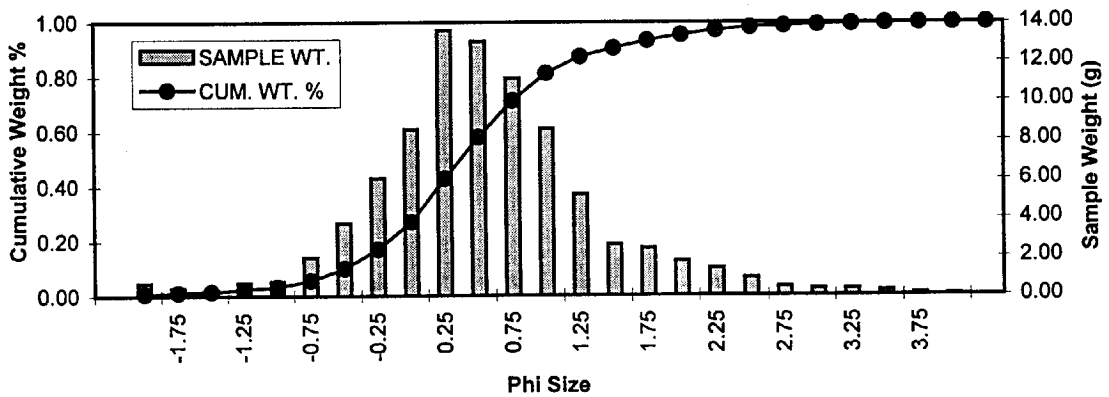
GRAIN SIZE DISTRIBUTION CHART

CORE M-6 : 1.2-2.6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.669	0.669	0.007833357	0.007833357
-1.75	0.412	1.081	0.004824130	0.012657487
-1.50	0.334	1.415	0.003910824	0.016568311
-1.25	0.689	2.104	0.008067538	0.024635848
-1.00	0.749	2.853	0.008770081	0.033405929
-0.75	1.984	4.837	0.023230762	0.056636691
-0.50	3.738	8.575	0.043768442	0.100405133
-0.25	6.034	14.609	0.070652428	0.171057562
0.00	8.540	23.149	0.099995316	0.271052878
0.25	13.583	36.732	0.159044073	0.430096951
0.50	13.028	49.760	0.152545548	0.582642499
0.75	11.149	60.909	0.130544237	0.713186736
1.00	8.576	69.485	0.100416842	0.813603578
1.25	5.208	74.693	0.060980750	0.874584329
1.50	2.632	77.325	0.030818229	0.905402557
1.75	2.466	79.791	0.028874526	0.934277083
2.00	1.776	81.567	0.020795279	0.955072362
2.25	1.397	82.964	0.016357548	0.971429910
2.50	0.910	83.874	0.010655239	0.982085148
2.75	0.450	84.324	0.005269074	0.987354222
3.00	0.337	84.661	0.003945951	0.991300173
3.25	0.306	84.967	0.003582970	0.994883144
3.50	0.228	85.195	0.002669664	0.997552808
3.75	0.103	85.298	0.001206033	0.998758840
4.00	0.056	85.354	0.000655707	0.999414547
PAN	0.050	85.404	0.000585453	1.0

TOTAL WT.	85.404	grams	
MEDIAN WT.	42.702	grams	
MEAN GRAIN SIZE	0.36	phi	0.7792 mm

GRAIN SIZE DISTRIBUTION M-6 : 1.2-2.6 ft



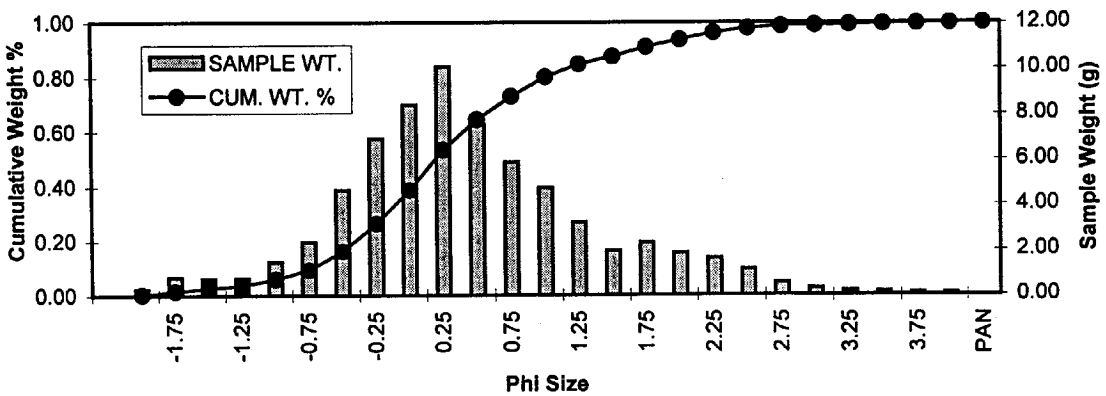
GRAIN SIZE DISTRIBUTION CHART

CORE M-6 : 2.6-3.6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.277	0.277	0.004063073	0.004063073
-1.75	0.812	1.089	0.011910524	0.015973597
-1.50	0.755	1.844	0.011074441	0.027048038
-1.25	0.763	2.607	0.011191786	0.038239824
-1.00	1.491	4.098	0.021870187	0.060110011
-0.75	2.351	6.449	0.034484782	0.094594793
-0.50	4.650	11.099	0.068206821	0.162801613
-0.25	6.886	17.985	0.101004767	0.263806381
0.00	8.377	26.362	0.122874954	0.386681335
0.25	10.046	36.408	0.147356069	0.534037404
0.50	7.537	43.945	0.110553722	0.644591126
0.75	5.859	49.804	0.085940594	0.730531720
1.00	4.753	54.557	0.069717638	0.800249358
1.25	3.222	57.779	0.047260726	0.847510084
1.50	1.958	59.737	0.028720205	0.876230290
1.75	2.336	62.073	0.034264760	0.910495050
2.00	1.871	63.944	0.027444078	0.937939127
2.25	1.641	65.585	0.024070407	0.962009534
2.50	1.145	66.730	0.016795013	0.978804547
2.75	0.538	67.268	0.007891456	0.986696003
3.00	0.317	67.585	0.004649798	0.991345801
3.25	0.190	67.775	0.002786945	0.994132747
3.50	0.138	67.913	0.002024202	0.996156949
3.75	0.094	68.007	0.001378805	0.997535754
4.00	0.084	68.091	0.001232123	0.998767877
PAN	0.084	68.175	0.001232123	1.0

TOTAL WT.	68.175	grams	
MEDIAN WT.	34.088	grams	
MEAN GRAIN SIZE	0.19	phi	0.8766 mm

GRAIN SIZE DISTRIBUTION M-6 : 2.6-3.6 ft

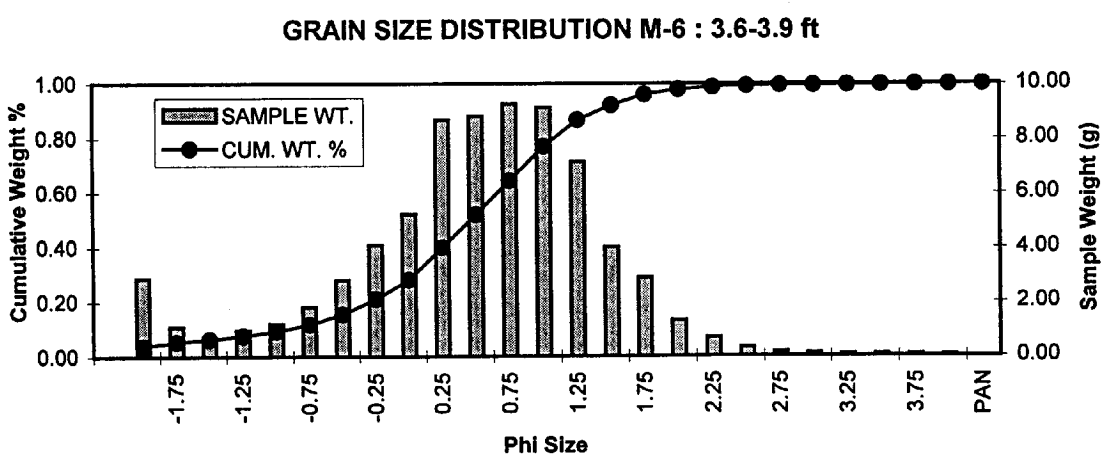


GRAIN SIZE DISTRIBUTION CHART

CORE M-6 : 3.6-3.9 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.867	2.867	0.038993540	0.038993540
-1.75	1.093	3.960	0.014865692	0.053859232
-1.50	0.694	4.654	0.009438966	0.063298198
-1.25	0.970	5.624	0.013192792	0.076490989
-1.00	1.208	6.832	0.016429786	0.092920775
-0.75	1.812	8.644	0.024644679	0.117565454
-0.50	2.801	11.445	0.038095886	0.155661340
-0.25	4.086	15.531	0.055572934	0.211234274
0.00	5.223	20.754	0.071037062	0.282271336
0.25	8.671	29.425	0.117932676	0.400204012
0.50	8.793	38.218	0.119591976	0.519795988
0.75	9.248	47.466	0.125780347	0.645576335
1.00	9.122	56.588	0.124066644	0.769642979
1.25	7.123	63.711	0.096878613	0.866521591
1.50	4.013	67.724	0.054580075	0.921101666
1.75	2.890	70.614	0.039306358	0.960408024
2.00	1.308	71.922	0.017789867	0.978197892
2.25	0.684	72.606	0.009302958	0.987500850
2.50	0.330	72.936	0.004488269	0.991989119
2.75	0.155	73.091	0.002108126	0.994097246
3.00	0.115	73.206	0.001564094	0.995661340
3.25	0.082	73.288	0.001115267	0.996776607
3.50	0.077	73.365	0.001047263	0.997823869
3.75	0.065	73.430	0.000884053	0.998707922
4.00	0.042	73.472	0.000571234	0.999279157
PAN	0.053	73.525	0.000720843	1.0

TOTAL WT.	73.525	grams	
MEDIAN WT.	36.763	grams	
MEAN GRAIN SIZE	0.46	phi	0.7270 mm

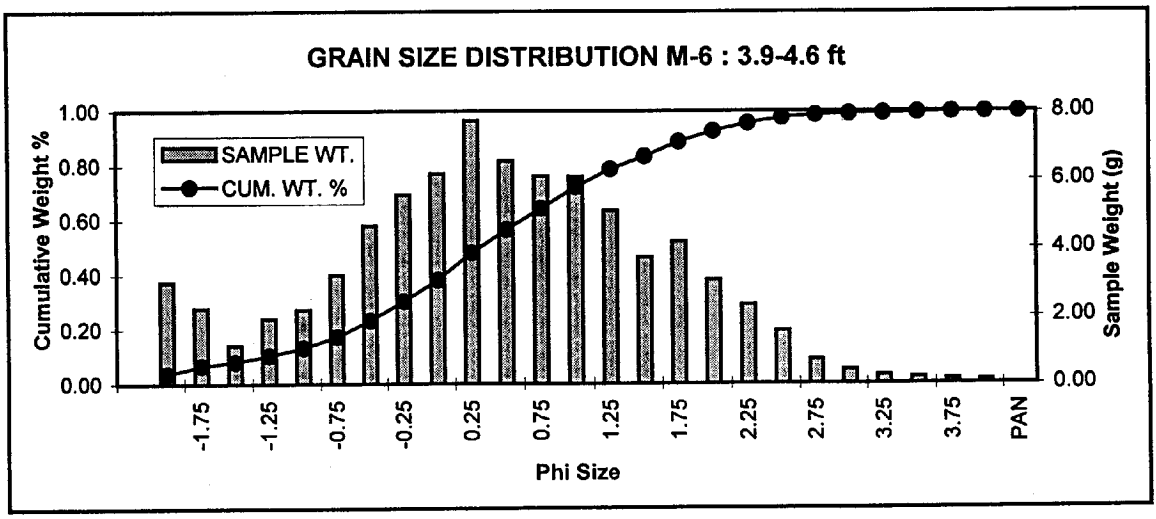


GRAIN SIZE DISTRIBUTION CHART

CORE M-6 : 3.9-4.6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.989	2.989	0.038180030	0.038180030
-1.75	2.239	5.228	0.028599895	0.066779925
-1.50	1.140	6.368	0.014561805	0.081341730
-1.25	1.928	8.296	0.024627333	0.105969063
-1.00	2.178	10.474	0.027820711	0.133789774
-0.75	3.194	13.668	0.040798600	0.174588374
-0.50	4.637	18.305	0.059230779	0.233819153
-0.25	5.551	23.856	0.070905770	0.304724922
0.00	6.171	30.027	0.078825348	0.383550270
0.25	7.726	37.753	0.098688160	0.482238430
0.50	6.542	44.295	0.083564321	0.565802751
0.75	6.099	50.394	0.077905655	0.643708406
1.00	6.064	56.458	0.077458582	0.721166988
1.25	5.088	61.546	0.064991633	0.786158621
1.50	3.717	65.263	0.047479147	0.833637769
1.75	4.182	69.445	0.053418831	0.887056599
2.00	3.053	72.498	0.038997535	0.926054134
2.25	2.320	74.818	0.029634550	0.955688684
2.50	1.564	76.382	0.019977774	0.975666458
2.75	0.707	77.089	0.009030874	0.984697332
3.00	0.419	77.508	0.005352102	0.990049433
3.25	0.244	77.752	0.003116737	0.993166171
3.50	0.185	77.937	0.002363100	0.995529271
3.75	0.133	78.070	0.001698877	0.997228148
4.00	0.102	78.172	0.001302898	0.998531046
PAN	0.115	78.287	0.001468954	1.0

TOTAL WT.	78.287	grams	
MEDIAN WT.	39.144	grams	
MEAN GRAIN SIZE	0.3	phi	0.8123 mm



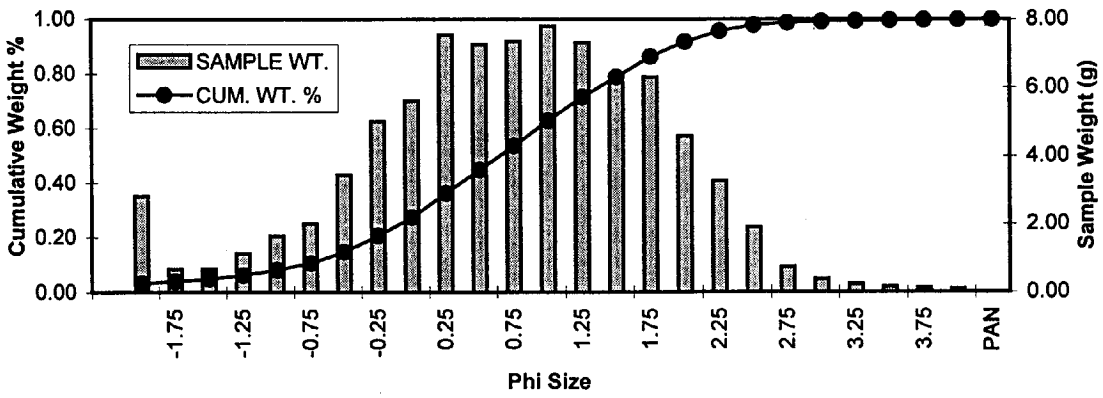
GRAIN SIZE DISTRIBUTION CHART

CORE M-6 : 4.6-5.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.804	2.804	0.033309179	0.033309179
-1.75	0.670	3.474	0.007959041	0.041268220
-1.50	0.675	4.149	0.008018436	0.049286656
-1.25	1.142	5.291	0.013566007	0.062852663
-1.00	1.641	6.932	0.019493710	0.082346373
-0.75	1.999	8.931	0.023746451	0.106092824
-0.50	3.434	12.365	0.040793053	0.146885877
-0.25	5.001	17.366	0.059407705	0.206293582
0.00	5.591	22.957	0.066416412	0.272709994
0.25	7.532	30.489	0.089473872	0.362183866
0.50	7.259	37.748	0.086230860	0.448414725
0.75	7.348	45.096	0.087288105	0.535702831
1.00	7.795	52.891	0.092598092	0.628300923
1.25	7.310	60.201	0.086836697	0.715137620
1.50	6.128	66.329	0.072795524	0.787933144
1.75	6.304	72.633	0.074886257	0.862819401
2.00	4.573	77.206	0.054323422	0.917142823
2.25	3.261	80.467	0.038737957	0.955880781
2.50	1.905	82.372	0.022629810	0.978510590
2.75	0.724	83.096	0.008600516	0.987111106
3.00	0.373	83.469	0.004430929	0.991542034
3.25	0.238	83.707	0.002827241	0.994369276
3.50	0.154	83.861	0.001829391	0.996198667
3.75	0.123	83.984	0.001461137	0.997659804
4.00	0.094	84.078	0.001116642	0.998776446
PAN	0.103	84.181	0.001223554	1.0

TOTAL WT.	84.181	grams	
MEDIAN WT.	42.091	grams	
MEAN GRAIN SIZE	0.65	phi	0.6373 mm

GRAIN SIZE DISTRIBUTION M-6 : 4.6-5.5 ft

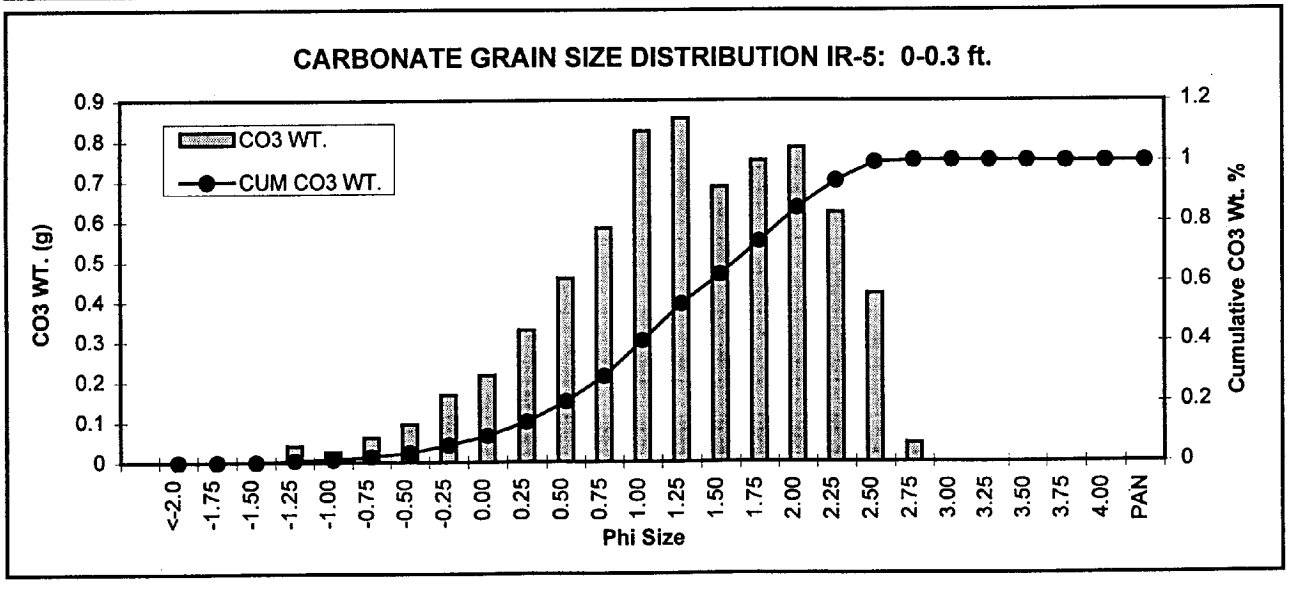


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-5: 0-0.3 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.0	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0.042	0	0.04200	0.042	0.006043165	0.006043165
-1.00	0.026	0	0.02600	0.068	0.003741007	0.009784173
-0.75	0.061	0	0.06100	0.129	0.008776978	0.018561151
-0.50	0.095	0	0.09500	0.224	0.013669065	0.032230216
-0.25	0.171	0.004	0.16700	0.391	0.024028777	0.056258993
0.00	0.252	0.036	0.21600	0.607	0.031079137	0.087338129
0.25	0.442	0.113	0.32900	0.936	0.047338129	0.134676259
0.50	0.832	0.372	0.46000	1.396	0.066187050	0.200863309
0.75	1.492	0.908	0.58400	1.980	0.084028777	0.284892086
1.00	3.422	2.597	0.82500	2.805	0.118705036	0.403597122
1.25	6.292	5.435	0.85700	3.662	0.123309353	0.526906475
1.50	7.430	6.743	0.68700	4.349	0.098848921	0.625755396
1.75	13.741	12.988	0.75300	5.102	0.108345324	0.734100719
2.00	10.785	10.001	0.78400	5.886	0.112805755	0.846906475
2.25	5.428	4.805	0.62300	6.509	0.089640288	0.936546763
2.50	1.326	0.905	0.42100	6.930	0.060575540	0.997122302
2.75	0.171	0.125	0.04600	6.976	0.006618705	1.0
3.00	0.044	0.048	0	6.972	0	1.0
3.25	0.015	0.023	0	6.964	0	1.0
3.50	0.006	0.011	0	6.959	0	1.0
3.75	0.003	0.008	0	6.954	0	1.0
4.00	0.003	0.007	0	6.950	0	1.0
PAN	0	0.000	0	0.000	0	1.0

TOTAL WT.	52.079
CO3 WT.	6.950
% CARBONATE	13.345

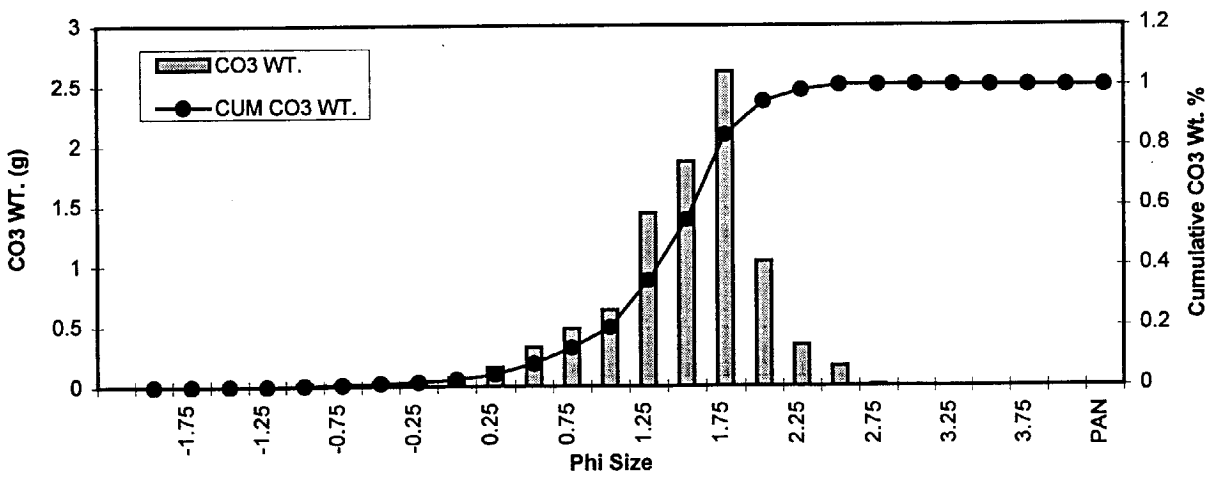


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-5: 0.3-0.9 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.0	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.5	0	0	0	0	0	0
-1.25	0	0	0	0	0	0
-1	0.026	0	0.026	0.026	0.002814462	0.002814462
-0.75	0.027	0	0.027	0.053	0.002922711	0.005737173
-0.50	0.041	0	0.041	0.094	0.00443819	0.010175363
-0.25	0.045	0	0.045	0.139	0.004871184	0.015046547
0.00	0.085	0.007	0.078	0.217	0.008443386	0.023489933
0.25	0.206	0.048	0.158	0.375	0.017103269	0.040593202
0.50	0.507	0.179	0.328	0.703	0.035505521	0.076098723
0.75	1.112	0.635	0.477	1.18	0.051634553	0.127733276
1.00	3.498	2.868	0.63	1.81	0.068196579	0.195929855
1.25	9.169	7.731	1.438	3.248	0.155661399	0.351591254
1.50	12.261	10.395	1.866	5.114	0.201991773	0.553583027
1.75	21.351	18.737	2.614	7.728	0.28296168	0.836544707
2.00	12.223	11.191	1.032	8.76	0.111712492	0.948257199
2.25	4.478	4.135	0.343	9.103	0.037129249	0.985386447
2.50	0.715	0.552	0.163	9.266	0.017644512	1.0
2.75	0.12	0.113	0.007	9.273	0.00075774	1.0
3.00	0.042	0.049	0	9.266	0	1.0
3.25	0.013	0.022	0	9.257	0	1.0
3.50	0.003	0.008	0	9.252	0	1.0
3.75	0.001	0.007	0	9.246	0	1.0
4.00	0	0.008	0	9.238	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	65.923
CO3 WT.	9.238
% CARBONATE	14.013

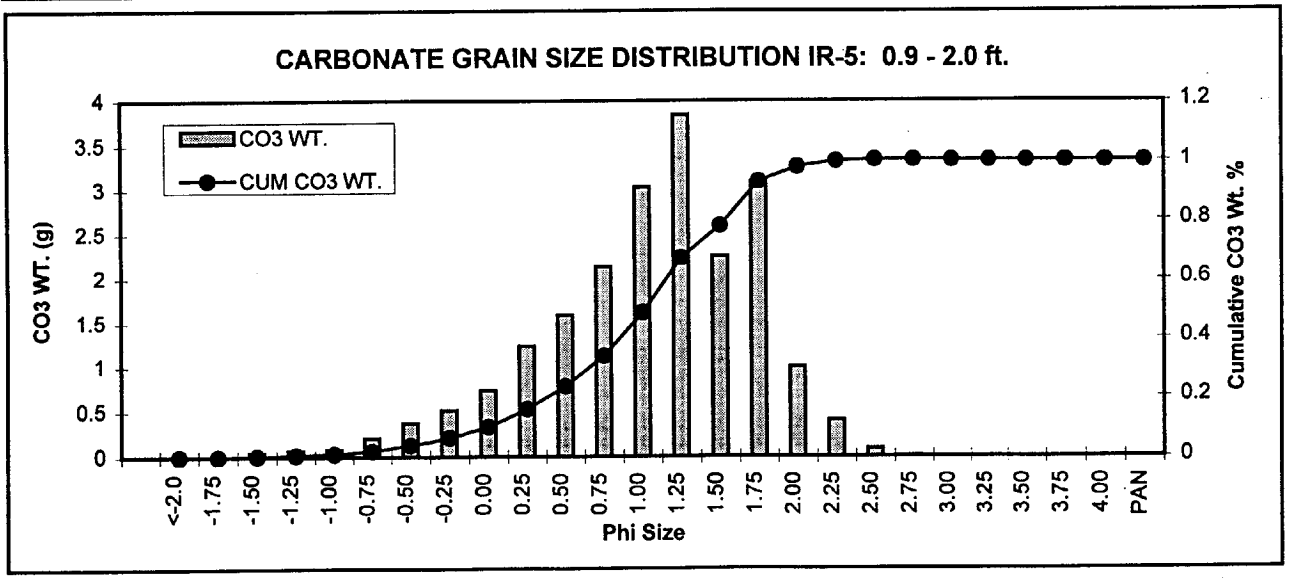


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-5: 0.9-2.0 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.0	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0.044	0	0.044	0.044	0.002129307	0.002129307
-1.25	0.069	0	0.069	0.113	0.003339141	0.005468448
-1.00	0.078	0	0.078	0.191	0.003774681	0.009243128
-0.75	0.211	0	0.211	0.402	0.010210995	0.019454123
-0.50	0.381	0.008	0.373	0.775	0.018050716	0.037504839
-0.25	0.520	0.004	0.516	1.291	0.024970964	0.062475803
0.00	0.824	0.089	0.735	2.026	0.035569106	0.098044909
0.25	1.438	0.201	1.237	3.263	0.059862563	0.157907472
0.50	2.412	0.820	1.592	4.855	0.077042199	0.234949671
0.75	4.255	2.117	2.138	6.993	0.103464963	0.338414634
1.00	8.228	5.194	3.034	10.027	0.146825397	0.485240031
1.25	13.554	9.713	3.841	13.868	0.185878823	0.671118854
1.50	11.993	9.739	2.254	16.122	0.109078591	0.780197445
1.75	14.244	11.148	3.096	19.218	0.149825784	0.930023229
2.00	5.583	4.579	1.004	20.222	0.048586914	0.978610143
2.25	1.821	1.417	0.404	20.626	0.019550910	0.998161053
2.50	0.431	0.343	0.088	20.714	0.004258614	1.0
2.75	0.082	0.078	0.004	20.718	0.000193573	1.0
3.00	0.022	0.035	0	20.705	0	1.0
3.25	0.010	0.023	0	20.692	0	1.0
3.50	0.006	0.014	0	20.684	0	1.0
3.75	0.007	0.017	0	20.674	0	1.0
4.00	0.004	0.014	0	20.664	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	66.217
CO3 WT.	20.664
% CARBONATE	31.206

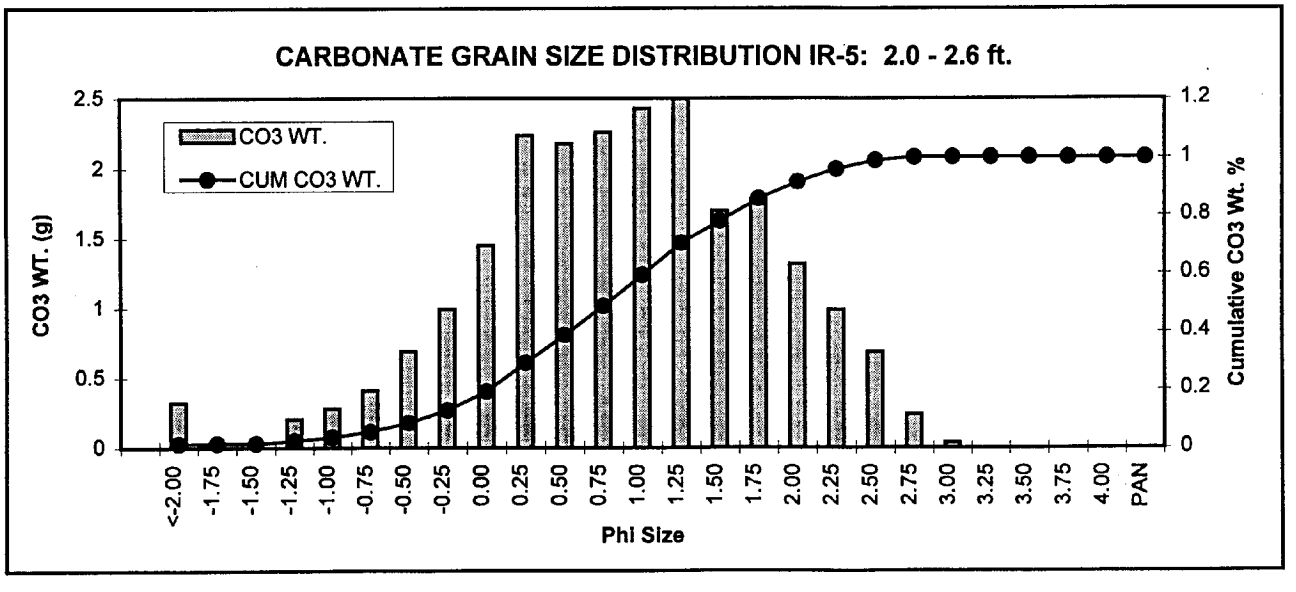


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-5: 2.0-2.6 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.325	0	0.325	0.325	0.014310246	0.014310246
-1.75	0.035	0	0.035	0.360	0.001541103	0.015851350
-1.50	0	0	0	0.360	0	0.015851350
-1.25	0.208	0	0.208	0.568	0.009158558	0.025009907
-1.00	0.280	0	0.280	0.848	0.012328827	0.037338735
-0.75	0.406	0	0.406	1.254	0.017876800	0.055215534
-0.50	0.733	0.042	0.691	1.945	0.030425785	0.085641319
-0.25	1.077	0.082	0.995	2.940	0.043811369	0.129452688
0.00	1.600	0.149	1.451	4.391	0.063889745	0.193342433
0.25	2.783	0.544	2.239	6.630	0.098586588	0.291929021
0.50	3.532	1.351	2.181	8.811	0.096032759	0.387961781
0.75	4.831	2.569	2.262	11.073	0.099599313	0.487561094
1.00	6.998	4.570	2.428	13.501	0.106908547	0.594469640
1.25	8.355	5.863	2.492	15.993	0.109726564	0.704196204
1.50	7.305	5.607	1.698	17.691	0.074765532	0.778961737
1.75	9.552	7.770	1.782	19.473	0.078464180	0.857425917
2.00	7.389	6.072	1.317	20.790	0.057989520	0.915415437
2.25	5.764	4.774	0.990	21.780	0.043591211	0.959006649
2.50	3.322	2.636	0.686	22.466	0.030205627	0.989212276
2.75	1.116	0.876	0.240	22.706	0.010567566	0.999779842
3.00	0.302	0.266	0.036	22.742	0.001585135	1.0
3.25	0.061	0.069	0	22.734	0	1.0
3.50	0.017	0.022	0	22.729	0	1.0
3.75	0.012	0.021	0	22.720	0	1.0
4.00	0.006	0.015	0	22.711	0	1.0
PAN	0	0.000	0	0	0	1.0

TOTAL WT.	66.009
CO3 WT.	22.711
% CARBONATE	34.406

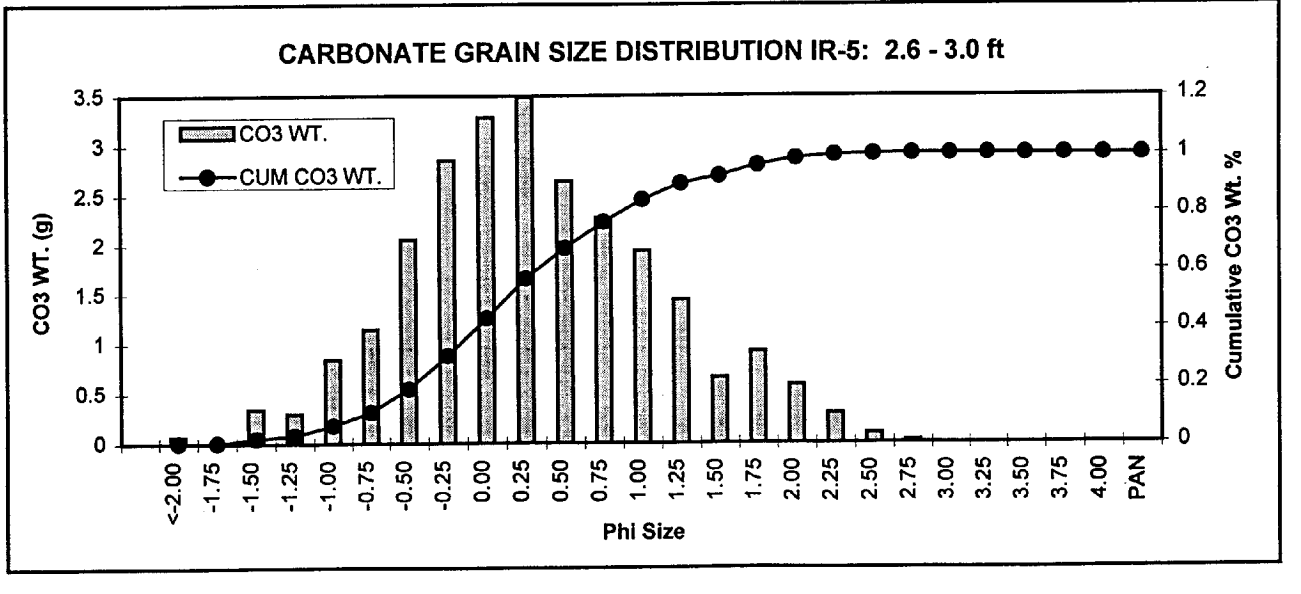


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-5: 2.6-3.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.069	0	0.069	0.069	0.002734189	0.002734189
-1.75	0	0	0	0.069	0	0.002734189
-1.50	0.346	0	0.346	0.415	0.013710572	0.016444761
-1.25	0.296	0	0.296	0.711	0.011729276	0.028174037
-1.00	0.846	0	0.846	1.557	0.033523538	0.061697575
-0.75	1.149	0	1.149	2.706	0.045530195	0.10722777
-0.50	2.103	0.047	2.056	4.762	0.081470915	0.188698684
-0.25	3.1	0.241	2.859	7.621	0.113290537	0.301989222
0.00	3.862	0.579	3.283	10.904	0.130091932	0.432081154
0.25	4.913	1.43	3.483	14.387	0.138017118	0.570098272
0.50	4.961	2.315	2.646	17.033	0.104850214	0.674948486
0.75	5.372	3.098	2.274	19.307	0.090109368	0.765057854
1.00	6.11	4.166	1.944	21.251	0.07703281	0.842090664
1.25	5.862	4.417	1.445	22.696	0.057259471	0.899350135
1.50	4.277	3.618	0.659	23.355	0.026113489	0.925463623
1.75	5.116	4.192	0.924	24.279	0.03661436	0.962077984
2.00	3.169	2.586	0.583	24.862	0.023101918	0.985179902
2.25	1.748	1.447	0.301	25.163	0.011927405	0.997107307
2.50	0.75	0.655	0.095	25.258	0	1.0
2.75	0.27	0.245	0.025	25.283	0	1.0
3.00	0.117	0.123	0	25.277	0	1.0
3.25	0.051	0.057	0	25.271	0	1.0
3.50	0.019	0.027	0	25.263	0	1.0
3.75	0	0.018	0	25.245	0	1.0
4.00	0.013	0.022	0	25.236	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	54.519
CO3 WT.	25.236
% CARBONATE	46.288

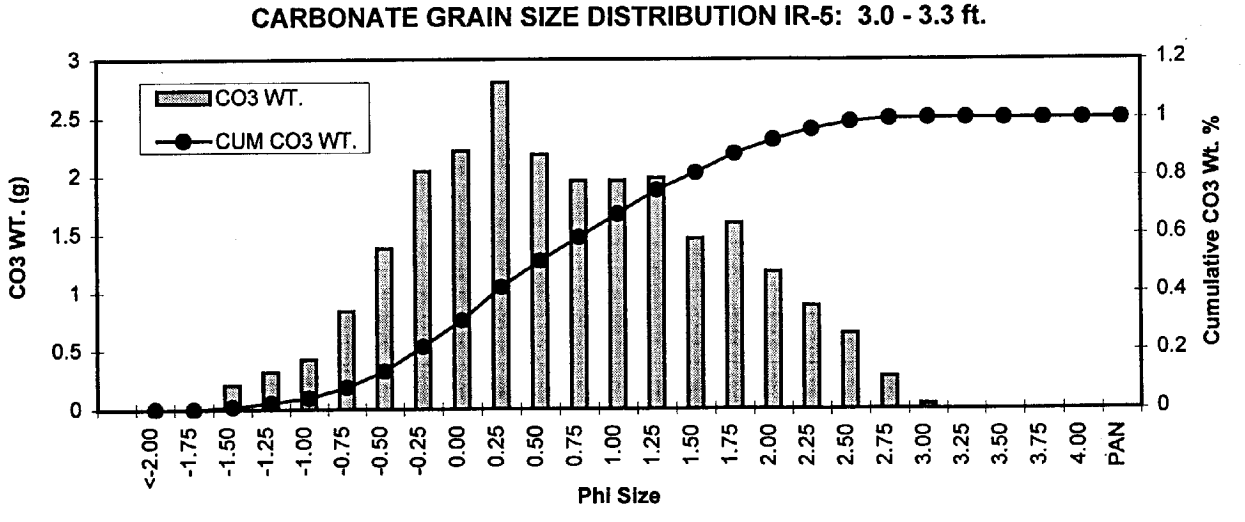


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-5: 3.0-3.3 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0.208	0	0.208	0.208	0.008526687	0.008526687
-1.25	0.319	0	0.319	0.527	0.013076986	0.021603673
-1.00	0.426	0	0.426	0.953	0.017463311	0.039066984
-0.75	0.854	0.011	0.843	1.796	0.034557678	0.073624662
-0.50	1.420	0.041	1.379	3.175	0.056530294	0.130154956
-0.25	2.188	0.142	2.046	5.221	0.083873084	0.214028040
0.00	2.601	0.382	2.219	7.440	0.090964991	0.304993031
0.25	3.697	0.894	2.803	10.243	0.114905305	0.419898336
0.50	3.907	1.715	2.192	12.435	0.089858162	0.509756497
0.75	4.560	2.597	1.963	14.398	0.080470608	0.590227105
1.00	6.036	4.075	1.961	16.359	0.080388620	0.670615725
1.25	7.103	5.119	1.984	18.343	0.081331475	0.751947200
1.50	6.279	4.817	1.462	19.805	0.059932770	0.811879970
1.75	8.934	7.339	1.595	21.400	0.065384931	0.877264901
2.00	7.367	6.193	1.174	22.574	0.048126589	0.925391490
2.25	5.707	4.822	0.885	23.459	0.036279413	0.961670903
2.50	2.915	2.271	0.644	24.103	0.026399934	0.988070837
2.75	1.033	0.760	0.273	24.376	0.011191277	0.999262114
3.00	0.325	0.284	0.041	24.417	0.001680741	1.0
3.25	0.081	0.083	0	24.415	0	1.0
3.50	0.022	0.026	0	24.411	0	1.0
3.75	0.016	0.022	0	24.405	0	1.0
4.00	0.009	0.020	0	24.394	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	66.007
CO3 WT.	24.394
% CARBONATE	36.957

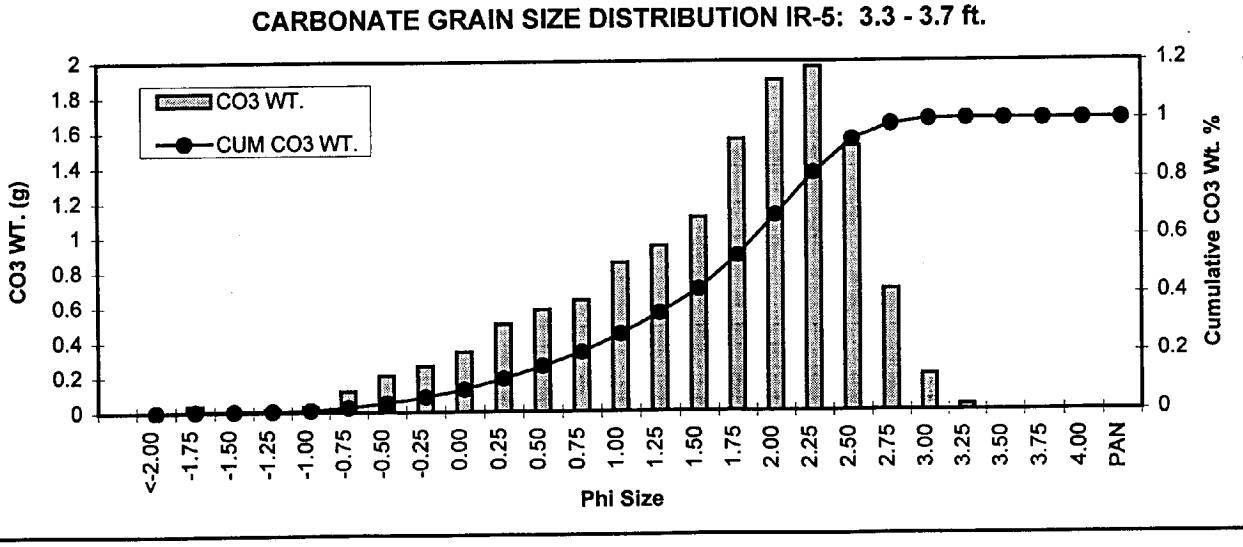


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-5: 3.3-3.7 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0.038	0	0.038	0.038	0.002816901	0.002816901
-1.50	0	0	0	0.038	0	0.002816901
-1.25	0.019	0	0.019	0.057	0.001408451	0.004225352
-1.00	0.033	0	0.033	0.090	0.002446256	0.006671609
-0.75	0.120	0	0.120	0.210	0.008895478	0.015567087
-0.50	0.208	0	0.208	0.418	0.015418829	0.030985915
-0.25	0.268	0.005	0.263	0.681	0.019495923	0.050481838
0.00	0.358	0.017	0.341	1.022	0.025277984	0.075759822
0.25	0.624	0.121	0.503	1.525	0.037286879	0.113046701
0.50	0.861	0.281	0.580	2.105	0.042994811	0.156041512
0.75	1.261	0.625	0.636	2.741	0.047146034	0.203187546
1.00	2.347	1.497	0.850	3.591	0.063009637	0.266197183
1.25	3.756	2.811	0.945	4.536	0.070051890	0.336249073
1.50	4.744	3.633	1.111	5.647	0.082357302	0.418606375
1.75	9.475	7.923	1.552	7.199	0.115048184	0.533654559
2.00	11.700	9.808	1.892	9.091	0.140252039	0.673906597
2.25	13.152	11.187	1.965	11.056	0.145663454	0.819570052
2.50	9.241	7.724	1.517	12.573	0.112453669	0.932023721
2.75	3.945	3.252	0.693	13.266	0.051371386	0.983395107
3.00	1.306	1.100	0.206	13.472	0.015270571	0.998665678
3.25	0.295	0.263	0.032	13.504	0.002372128	1.001037806
3.50	0.047	0.051	0	13.500	0	1.0
3.75	0.021	0.028	0	13.493	0	1.0
4.00	0.014	0.017	0	13.490	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	63.833
CO3 WT.	13.490
SAMPLE % CARBONATE	21.133

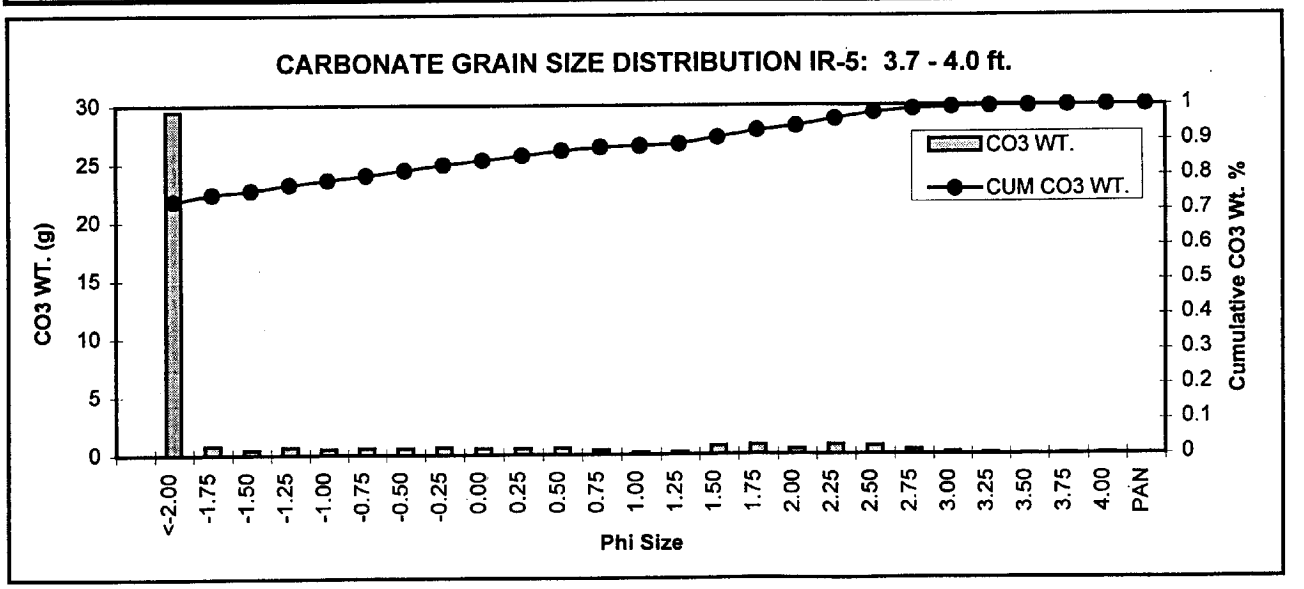


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-5: 3.7-4.0 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	29.466	0	29.466	29.466	0.728472892	0.728472892
-1.75	0.776	0	0.776	30.242	0.019184652	0.747657544
-1.50	0.452	0	0.452	30.694	0.011174566	0.758832110
-1.25	0.667	0	0.667	31.361	0.016489901	0.775322010
-1.00	0.515	0	0.515	31.876	0.012732082	0.788054093
-0.75	0.583	0	0.583	32.459	0.014413212	0.802467305
-0.50	0.547	0	0.547	33.006	0.013523202	0.815990507
-0.25	0.647	0.003	0.644	33.650	0.015921284	0.831911790
0.00	0.560	0.049	0.511	34.161	0.012633192	0.844544983
0.25	0.622	0.120	0.502	34.663	0.012410690	0.856955673
0.50	0.820	0.236	0.584	35.247	0.014437934	0.871393607
0.75	0.859	0.475	0.384	35.631	0.009493436	0.880887043
1.00	1.196	1.025	0.171	35.802	0.004227546	0.885114589
1.25	1.805	1.584	0.221	36.023	0.005463670	0.890578259
1.50	2.273	1.547	0.726	36.749	0.017948528	0.908526787
1.75	3.993	3.154	0.839	37.588	0.020742169	0.929268956
2.00	4.459	3.985	0.474	38.062	0.011718460	0.940987416
2.25	5.317	4.484	0.833	38.895	0.020593834	0.961581250
2.50	4.292	3.564	0.728	39.623	0.017997973	0.979579223
2.75	2.321	1.927	0.394	40.017	0.009740661	0.989319884
3.00	1.207	1.021	0.186	40.203	0.004598383	0.993918267
3.25	0.657	0.543	0.114	40.317	0.002818364	0.996736631
3.50	0.249	0.235	0.014	40.331	0.000346115	0.997082746
3.75	0.237	0.173	0.064	40.395	0.001582239	0.998664986
4.00	0.118	0.064	0.054	40.449	0.001335014	1
PAN	0	0.000	0	0		1

TOTAL WT.	64.638
CO3 WT.	40.449
% CARBONATE	62.578

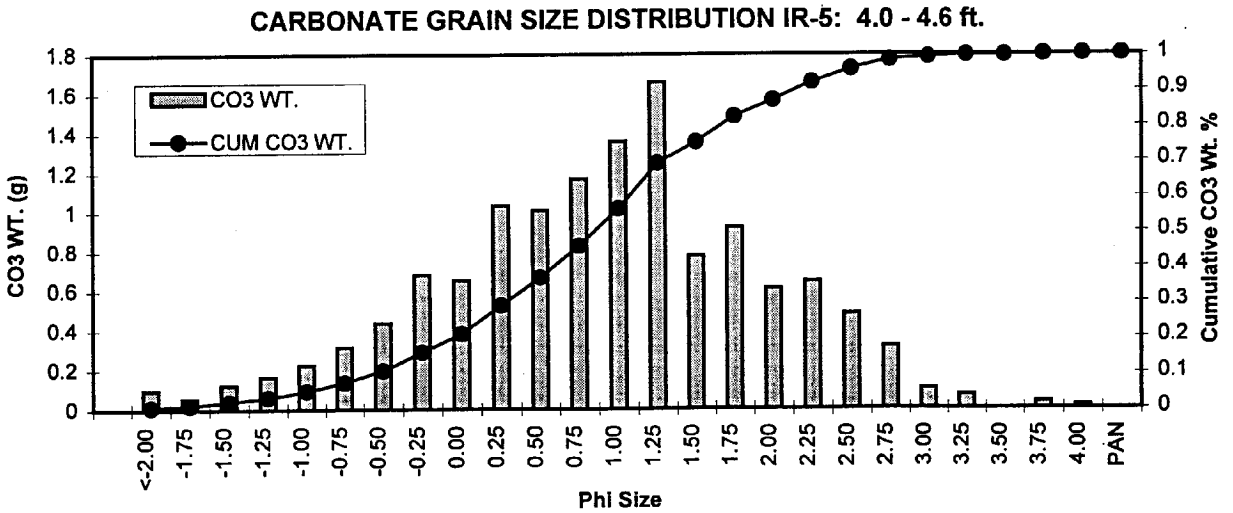


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-5: 4.0-4.6 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT. %	CUM CO3 WT. %
<-2.00	0.099	0	0.099	0.099	0.007638300	0.007638300
-1.75	0.056	0	0.056	0.155	0.004320654	0.011958954
-1.50	0.124	0	0.124	0.279	0.009567163	0.021526117
-1.25	0.165	0	0.165	0.444	0.012730499	0.034256616
-1.00	0.225	0	0.225	0.669	0.017359772	0.051616388
-0.75	0.315	0	0.315	0.984	0.024303680	0.075920068
-0.50	0.460	0.021	0.439	1.423	0.033870843	0.109790911
-0.25	0.714	0.032	0.682	2.105	0.052619397	0.162410308
0.00	0.749	0.094	0.655	2.760	0.050536224	0.212946532
0.25	1.367	0.334	1.033	3.793	0.079700640	0.292647172
0.50	1.877	0.868	1.009	4.802	0.077848931	0.370496104
0.75	3.094	1.925	1.169	5.971	0.090193658	0.460689762
1.00	5.269	3.911	1.358	7.329	0.104775866	0.565465628
1.25	7.136	5.477	1.659	8.988	0.127999383	0.693465010
1.50	6.084	5.306	0.778	9.766	0.060026233	0.753491243
1.75	8.155	7.233	0.922	10.688	0.071136486	0.824627729
2.00	6.423	5.813	0.610	11.298	0.047064270	0.871691999
2.25	5.462	4.815	0.647	11.945	0.049918988	0.921610987
2.50	3.306	2.823	0.483	12.428	0.037265643	0.958876630
2.75	1.464	1.146	0.318	12.746	0.024535144	0.983411774
3.00	0.728	0.626	0.102	12.848	0.007869763	0.991281537
3.25	0.487	0.417	0.070	12.918	0.005400818	0.996682355
3.50	0.220	0.225	0	12.913	0	0.996296582
3.75	0.205	0.172	0.033	12.946	0.002546100	0.998842682
4.00	0.076	0.061	0.015	12.961	0.001157318	1
PAN	0.000	0	0.000	0.000	0	1

TOTAL WT.	54.260
CO3 WT.	12.961
% CARBONATE	23.887

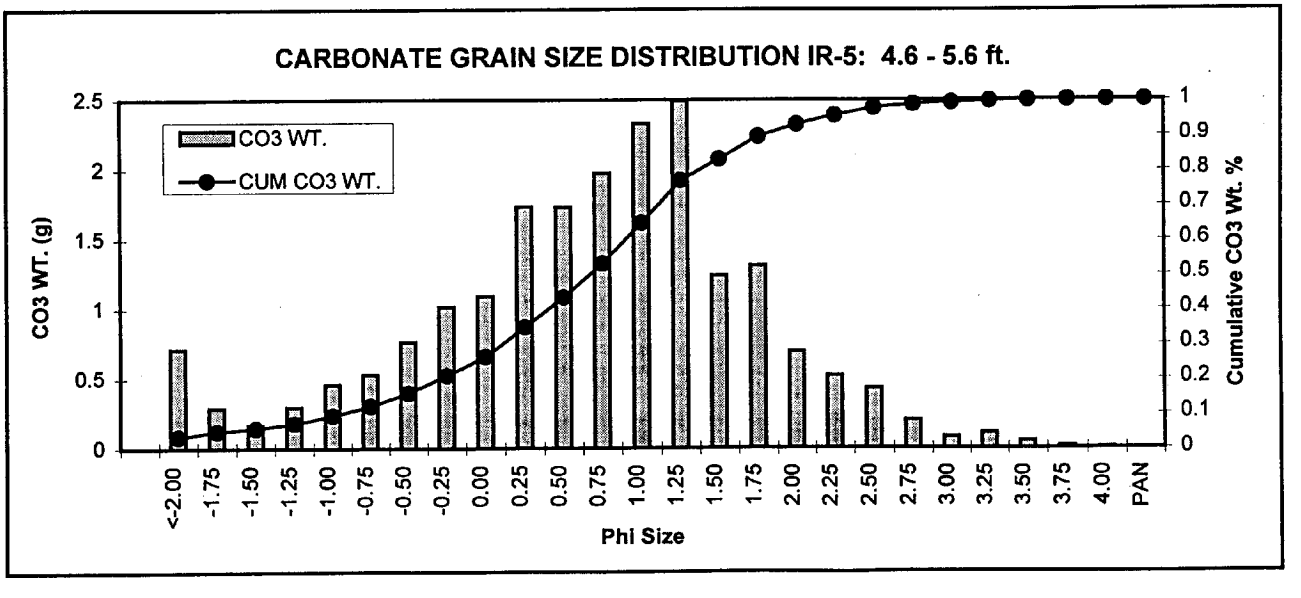


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-5: 4.6-5.6 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.714	0	0.714	0.714	0.035233161	0.035233161
-1.75	0.292	0	0.292	1.006	0.014409080	0.049642240
-1.50	0.167	0	0.167	1.173	0.008240809	0.057883050
-1.25	0.297	0	0.297	1.470	0.014655811	0.072538860
-1.00	0.457	0	0.457	1.927	0.022551197	0.095090057
-0.75	0.545	0.017	0.528	2.455	0.026054774	0.121144831
-0.50	0.772	0.008	0.764	3.219	0.037700469	0.158845300
-0.25	1.049	0.029	1.020	4.239	0.050333087	0.209178386
0.00	1.228	0.134	1.094	5.333	0.053984703	0.263163089
0.25	2.277	0.539	1.738	7.071	0.085763632	0.348926721
0.50	2.995	1.261	1.734	8.805	0.085566247	0.434492968
0.75	4.795	2.815	1.980	10.785	0.097705403	0.532198372
1.00	7.830	5.499	2.331	13.116	0.115025907	0.647224278
1.25	10.119	7.629	2.490	15.606	0.122871947	0.770096225
1.50	7.605	6.364	1.241	16.847	0.061238589	0.831334814
1.75	8.948	7.634	1.314	18.161	0.064840859	0.896175672
2.00	5.879	5.185	0.694	18.855	0.034246237	0.930421910
2.25	4.342	3.823	0.519	19.374	0.025610659	0.956032568
2.50	2.453	2.022	0.431	19.805	0.021268196	0.977300765
2.75	1.137	0.935	0.202	20.007	0.009967925	0.987268690
3.00	0.768	0.687	0.081	20.088	0.003997039	0.991265729
3.25	0.678	0.570	0.108	20.196	0.005329386	0.996595115
3.50	0.348	0.297	0.051	20.247	0.002516654	0.999111769
3.75	0.230	0.217	0.013	20.260	0.000641500	0.999753269
4.00	0.073	0.068	0.005	20.265	0.000246731	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	65.998
CO3 WT.	20.265
% CARBONATE	30.705

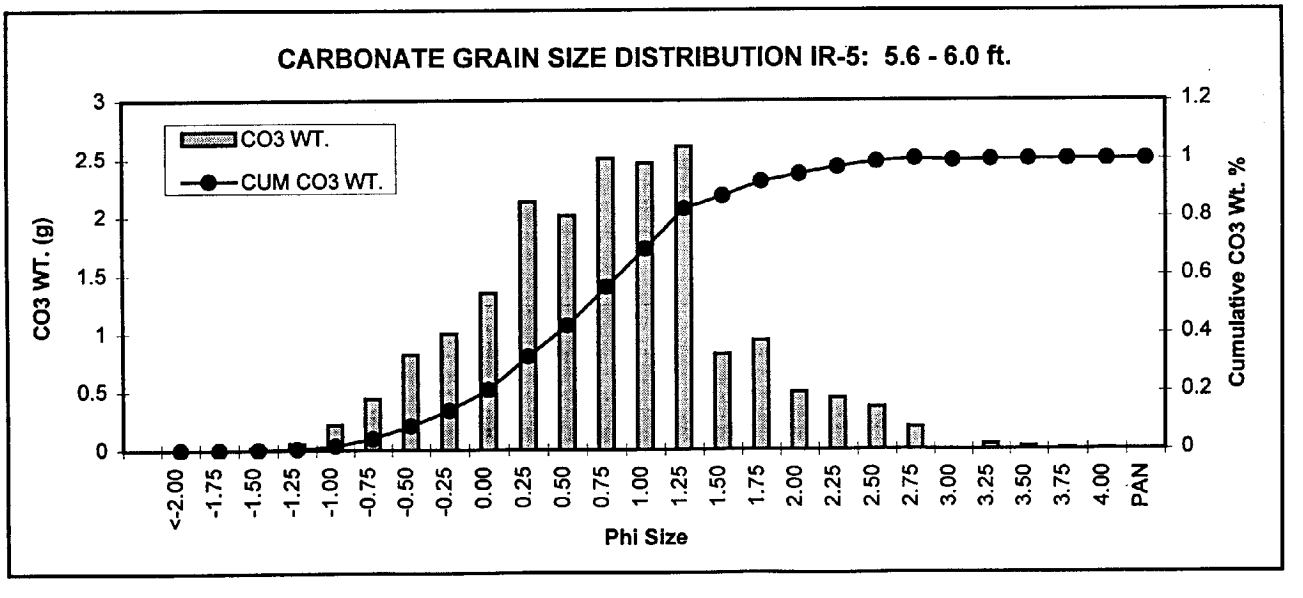


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-5: 5.6-6.0 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT. %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0.021	0	0.021	0.021	0.001113409	0.001113409
-1.25	0.059	0	0.059	0.080	0.003128148	0.004241557
-1.00	0.221	0	0.221	0.301	0.011717300	0.015958857
-0.75	0.443	0	0.443	0.744	0.023487620	0.039446477
-0.50	0.828	0.007	0.821	1.565	0.043528975	0.082975452
-0.25	1.066	0.065	1.001	2.566	0.053072478	0.136047930
0.00	1.518	0.169	1.349	3.915	0.071523249	0.207571179
0.25	2.820	0.684	2.136	6.051	0.113249563	0.320820741
0.50	3.977	1.964	2.013	8.064	0.106728169	0.427548910
0.75	6.419	3.913	2.506	10.570	0.132866762	0.560415673
1.00	9.426	6.963	2.463	13.033	0.130586925	0.691002598
1.25	10.775	8.167	2.608	15.641	0.138274747	0.829277345
1.50	7.043	6.221	0.822	16.463	0.043581995	0.872859339
1.75	7.413	6.476	0.937	17.400	0.049679232	0.922538572
2.00	4.431	3.935	0.496	17.896	0.026297651	0.948836223
2.25	3.187	2.745	0.442	18.338	0.023434600	0.972270823
2.50	1.821	1.457	0.364	18.702	0.019299083	0.991569906
2.75	0.764	0.571	0.193	18.895	0.010232755	1.001802662
3.00	0.360	0.489	-0.129	18.766	0	0.994963151
3.25	0.259	0.208	0.051	18.817	0.002703992	0.997667144
3.50	0.160	0.132	0.028	18.845	0.001484545	0.999151689
3.75	0.145	0.135	0.010	18.855	0.000530195	0.999681883
4.00	0.060	0.054	0.006	18.861	0.000318117	1
PAN	0	0	0	0	0	1

TOTAL WT.	63.216
CO3 WT.	18.861
% CARBONATE	29.836

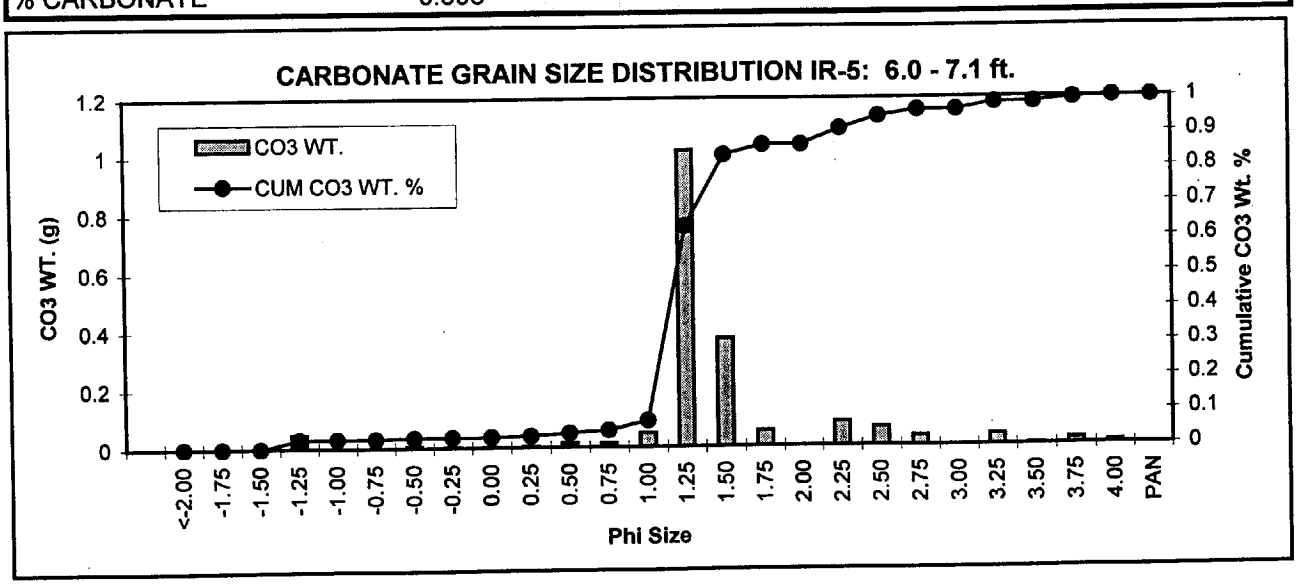


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-5: 6.0-7.1 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0.047	0	0.047	0.047	0.025669033	0.025669033
-1.00	0	0	0	0.047	0	0.025669033
-0.75	0	0	0	0.047	0	0.025669033
-0.50	0.042	0.037	0.005	0.052	0.002730748	0.028399782
-0.25	0.119	0.117	0.002	0.054	0.001092299	0.029492081
0.00	0.339	0.337	0.002	0.056	0	0.030584380
0.25	1.129	1.125	0.004	0.06	0	0.032768979
0.50	2.499	2.483	0.016	0.076	0	0.041507373
0.75	4.618	4.604	0.014	0.09	0	0.049153468
1.00	8.95	8.902	0.048	0.138	0.026215183	0.075368651
1.25	13.616	12.596	1.02	1.158	0.557072638	0.632441289
1.50	10.75	10.377	0.373	1.531	0.203713818	0.836155106
1.75	11.891	11.838	0.053	1.584	0.028945931	0.865101038
2.00	6.259	6.259	0	1.584	0.000000000	0.865101038
2.25	3.144	3.06	0.084	1.668	0.045876570	0.910977608
2.50	1.325	1.262	0.063	1.731	0.034407428	0.945385035
2.75	0.677	0.645	0.032	1.763	0.017476789	0.962861824
3.00	0.483	0.483	0.000	1.763	0.000000000	0.962861824
3.25	0.478	0.441	0.037	1.8	0.020207537	0.983069361
3.50	0.313	0.311	0.002	1.802	0.001092299	0.984161660
3.75	0.342	0.322	0.02	1.822	0.010922993	0.995084653
4.00	0.131	0.122	0.009	1.831	0.004915347	1.000000000
PAN	0	0	0	0	0	1.000000000

TOTAL WT.	67.152
CO3 WT.	1.831
% CARBONATE	0.696

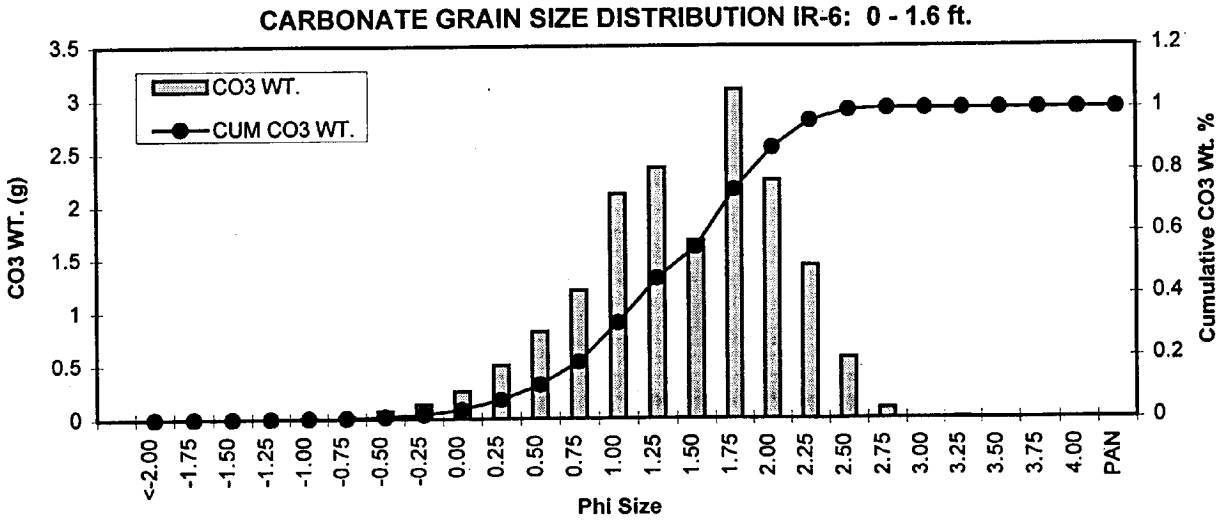


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-6: 0-1.6 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0	0	0	0	0	0
-1.00	0.011	0	0.011	0.011	0.000663370	0.000663370
-0.75	0.021	0	0.021	0.032	0.001266433	0.001929803
-0.50	0.068	0	0.068	0.100	0.004100832	0.006030636
-0.25	0.141	0.011	0.130	0.230	0.007839826	0.013870462
0.00	0.280	0.025	0.255	0.485	0.015378121	0.029248583
0.25	0.634	0.132	0.502	0.987	0.030273791	0.059522374
0.50	1.237	0.418	0.819	1.806	0.049390906	0.108913279
0.75	2.525	1.317	1.208	3.014	0.072850078	0.181763358
1.00	5.381	3.267	2.114	5.128	0.127487637	0.309250995
1.25	8.161	5.797	2.364	7.492	0.142564226	0.451815221
1.50	8.570	6.897	1.673	9.165	0.100892534	0.552707755
1.75	15.450	12.357	3.093	12.258	0.186527560	0.739235315
2.00	11.848	9.605	2.243	14.501	0.135267157	0.874502473
2.25	6.506	5.070	1.436	15.937	0.086599928	0.961102400
2.50	2.004	1.437	0.567	16.504	0.034193704	0.995296104
2.75	0.541	0.455	0.086	16.590	0.005186347	1.0
3.00	0.203	0.206	-0.003	16.587	0	1.0
3.25	0.088	0.082	0.006	16.593	0.000361838	1.0
3.50	0.035	0.039	-0.004	16.589	0	1.0
3.75	0.024	0.026	-0.002	16.587	0	1.0
4.00	0.011	0.016	-0.005	16.582	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	63.739
CO3 WT.	16.582
% CARBONATE	26.015

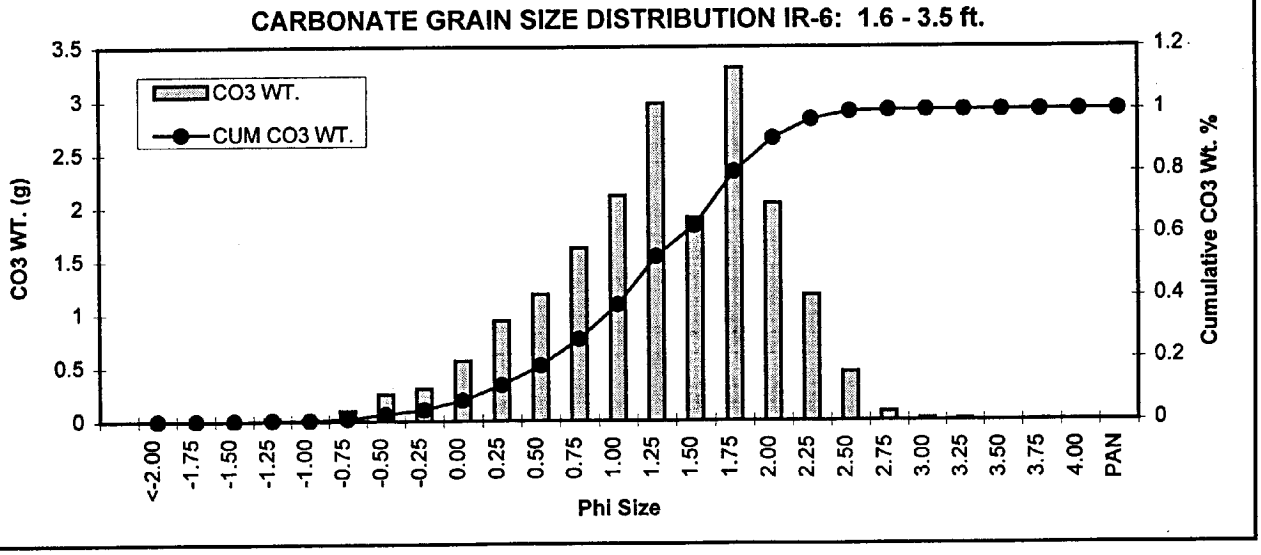


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-6: 1.6-3.5 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0.030	0	0.030	0.030	0.001572822	0.001572822
-1.00	0.017	0	0.017	0.047	0.000891266	0.002464087
-0.75	0.096	0	0.096	0.143	0.005033029	0.007497116
-0.50	0.258	0.008	0.250	0.393	0.013106847	0.020603964
-0.25	0.301	0.002	0.299	0.692	0.015675789	0.036279753
0.00	0.615	0.051	0.564	1.256	0.029569047	0.065848799
0.25	1.114	0.176	0.938	2.194	0.049176890	0.115025689
0.50	1.794	0.609	1.185	3.379	0.062126455	0.177152144
0.75	3.121	1.500	1.621	5.000	0.084984796	0.262136940
1.00	5.960	3.850	2.110	7.110	0.110621789	0.372758729
1.25	9.770	6.795	2.975	10.085	0.155971480	0.528730209
1.50	9.725	7.825	1.900	11.985	0.099612037	0.628342246
1.75	15.946	12.642	3.304	15.289	0.173220090	0.801562336
2.00	10.473	8.433	2.040	17.329	0.106951872	0.908514208
2.25	5.251	4.074	1.177	18.506	0.061707036	0.970221244
2.50	1.789	1.332	0.457	18.963	0.023959316	0.994180560
2.75	0.621	0.543	0.078	19.041	0.004089336	0.998269896
3.00	0.284	0.263	0.021	19.062	0.001100975	0.999370871
3.25	0.140	0.129	0.011	19.073	0.000576701	0.999947573
3.50	0.062	0.064	-0.002	19.071	0	0.999842718
3.75	0.047	0.043	0.004	19.075	0.000209710	1.0
4.00	0.014	0.015	-0.001	19.074	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	67.428
CO3 WT.	19.074
% CARBONATE	28.288

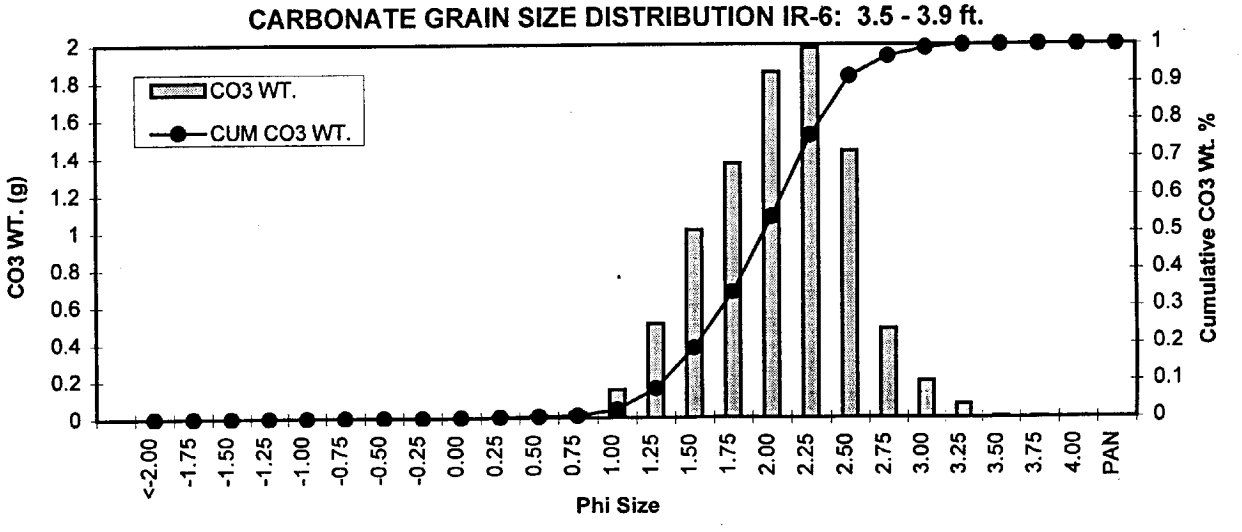


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-6: 3.5-3.9 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0	0	0	0	0	0
-1.00	0	0	0	0	0	0
-0.75	0	0	0	0	0	0
-0.50	0	0	0	0	0	0
-0.25	0.001	0	0.001	0.001	0.000109661	0.000109661
0.00	0.004	0	0.004	0.005	0.000438645	0.000548306
0.25	0.013	0.004	0.009	0.014	0.000986950	0.001535256
0.50	0.027	0.013	0.014	0.028	0.001535256	0.003070512
0.75	0.056	0.029	0.027	0.055	0.002960851	0.006031363
1.00	0.298	0.148	0.150	0.205	0.016449172	0.022480535
1.25	1.439	0.933	0.506	0.711	0.055488540	0.077969076
1.50	3.146	2.136	1.010	1.721	0.110757759	0.188726834
1.75	7.744	6.379	1.365	3.086	0.149687466	0.338414300
2.00	9.889	8.035	1.854	4.940	0.203311767	0.541726066
2.25	10.627	8.644	1.983	6.923	0.217458055	0.759184121
2.50	6.794	5.359	1.435	8.358	0.157363746	0.916547867
2.75	2.389	1.909	0.480	8.838	0	0.969185218
3.00	0.942	0.745	0.197	9.035	0	0.990788464
3.25	0.354	0.282	0.072	9.107	0	0.998684066
3.50	0.100	0.093	0.007	9.114	0	0.999451694
3.75	0.053	0.050	0.003	9.117	0	0.999780678
4.00	0.017	0.015	0.002	9.119	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	43.893
CO3 WT.	9.119
% CARBONATE	20.776

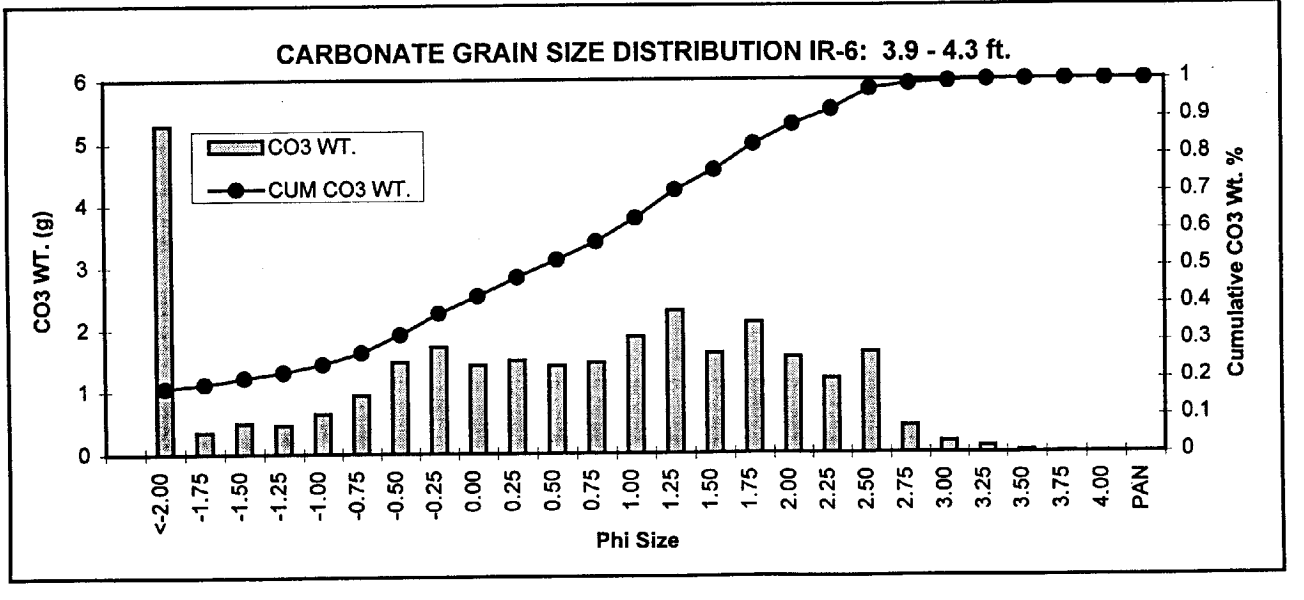


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-6: 3.9-4.3 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	5.280	0	5.28	5.28	0.175194107	0.175194107
-1.75	0.341	0	0.341	5.621	0.011314619	0.186508727
-1.50	0.495	0	0.495	6.116	0.016424448	0.202933174
-1.25	0.460	0	0.46	6.576	0.015263123	0.218196297
-1.00	0.648	0	0.648	7.224	0.021501095	0.239697392
-0.75	0.937	0	0.937	8.161	0.031090318	0.270787710
-0.50	1.492	0.019	1.473	9.634	0.048875174	0.319662884
-0.25	1.741	0.021	1.720	11.354	0.057070808	0.376733692
0.00	1.487	0.068	1.419	12.773	0.047083416	0.423817108
0.25	1.651	0.156	1.495	14.268	0.049605150	0.473422258
0.50	1.657	0.253	1.404	15.672	0.046585706	0.520007963
0.75	1.935	0.481	1.454	17.126	0.048244741	0.568252704
1.00	3.169	1.295	1.874	19.000	0.062180636	0.630433340
1.25	5.551	3.254	2.297	21.297	0.076216073	0.706649413
1.50	5.898	4.290	1.608	22.905	0.053354569	0.760003982
1.75	8.961	6.853	2.108	25.013	0.069944920	0.829948902
2.00	7.733	6.187	1.546	26.559	0.051297365	0.881246267
2.25	6.728	5.525	1.203	27.762	0.039916385	0.921162652
2.50	4.949	3.325	1.624	29.386	0.053885460	0.975048112
2.75	1.921	1.495	0.426	29.812	0.014134979	0.989183091
3.00	1.004	0.826	0.178	29.990	0.005906165	0.995089256
3.25	0.496	0.391	0.105	30.095	0.003483974	0.998573230
3.50	0.164	0.134	0.030	30.125	0.000995421	0.999568651
3.75	0.102	0.092	0.010	30.135	0.000331807	0.999900458
4.00	0.040	0.037	0.003	30.138	0.000099542	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	64.84
CO3 WT.	30.138
% CARBONATE	46.481

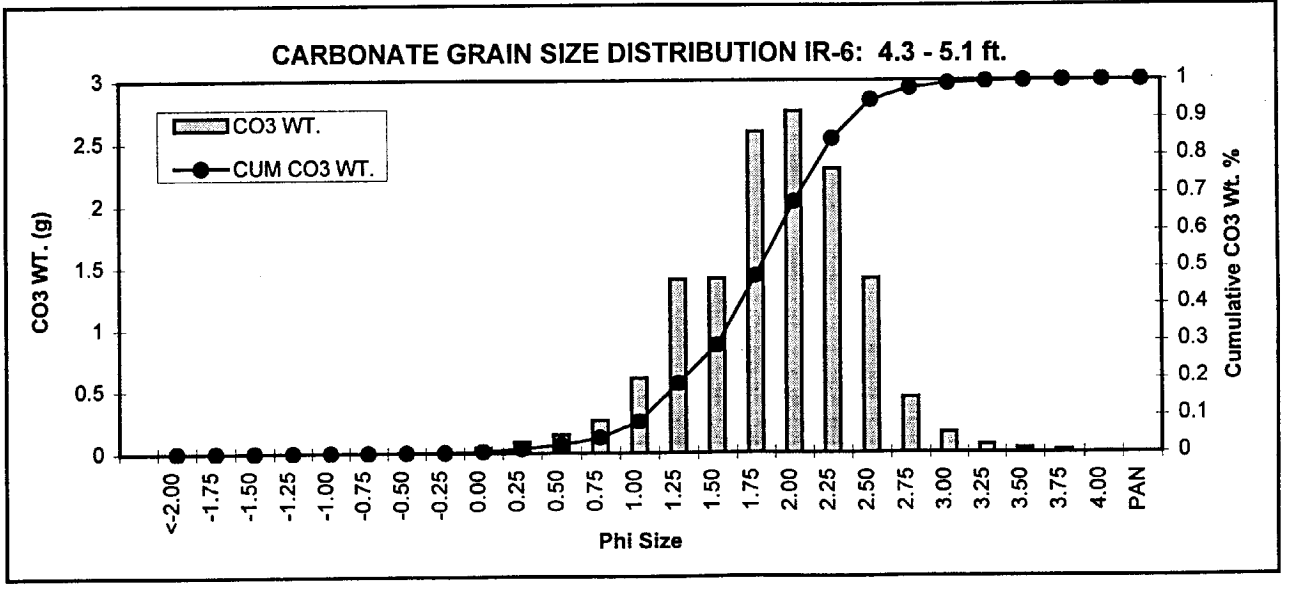


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-6: 4.3-5.1 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0	0	0	0	0	0
-1.00	0	0	0	0	0	0
-0.75	0	0	0	0	0	0
-0.50	0.008	0	0.008	0.008	0.000582030	0.000582030
-0.25	0.011	0	0.011	0.019	0.000800291	0.001382321
0.00	0.044	0	0.044	0.063	0.003201164	0.004583485
0.25	0.098	0.011	0.087	0.150	0.006329574	0.010913059
0.50	0.183	0.035	0.148	0.298	0.010767552	0.021680611
0.75	0.391	0.127	0.264	0.562	0.019206984	0.040887595
1.00	1.252	0.651	0.601	1.163	0.043724991	0.084612586
1.25	3.759	2.356	1.403	2.566	0.102073481	0.186686068
1.50	5.796	4.389	1.407	3.973	0.102364496	0.289050564
1.75	13.484	10.895	2.589	6.562	0.188359403	0.477409967
2.00	14.433	11.682	2.751	9.313	0.200145507	0.677555475
2.25	12.816	10.521	2.295	11.608	0.166969807	0.844525282
2.50	6.753	5.341	1.412	13.020	0.102728265	0.947253547
2.75	2.061	1.615	0.446	13.466	0.032448163	0.979701710
3.00	1.014	0.849	0.165	13.631	0.012004365	0.991706075
3.25	0.670	0.609	0.061	13.692	0.004437977	0.996144052
3.50	0.291	0.258	0.033	13.725	0.002400873	0.998544925
3.75	0.150	0.133	0.017	13.742	0.001236813	0.999781739
4.00	0.035	0.032	0.003	13.745	0.000218261	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	63.249
CO3 WT.	13.745
% CARBONATE	21.732

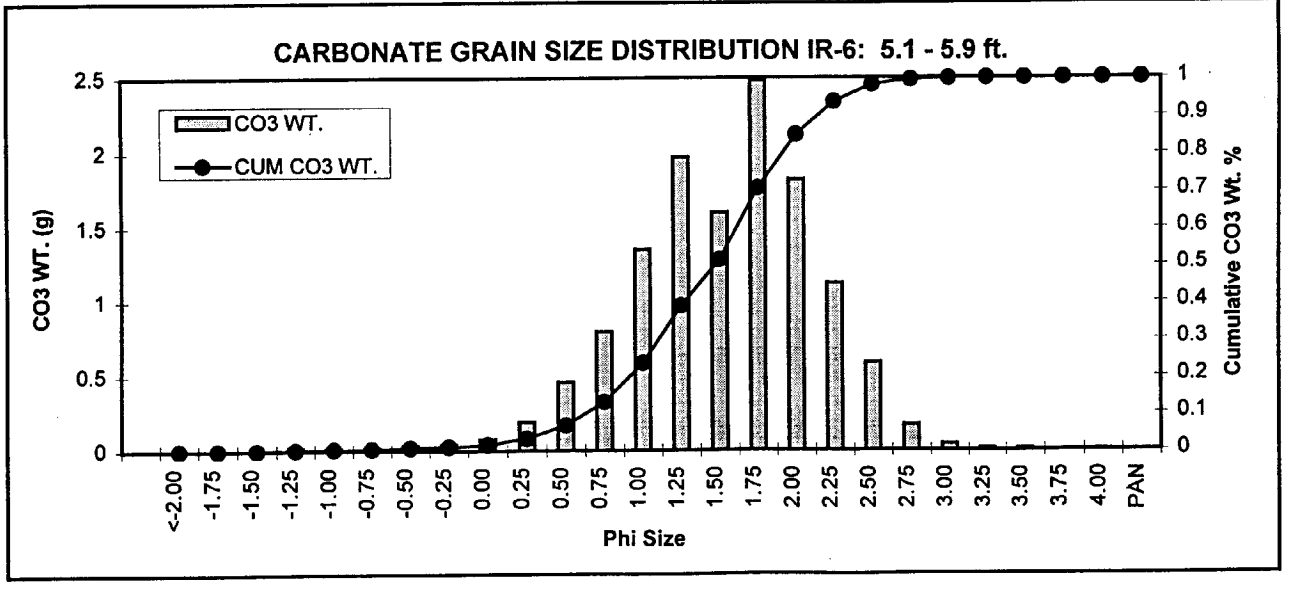


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-6: 5.1-5.9 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0.022	0	0.022	0.022	0.001712062	0.001712062
-1.00	0.018	0	0.018	0.04	0.001400778	0.00311284
-0.75	0.019	0	0.019	0.059	0.001478599	0.00459144
-0.50	0.037	0	0.037	0.096	0.002879377	0.007470817
-0.25	0.042	0.001	0.041	0.137	0.003190661	0.010661479
0.00	0.089	0.011	0.078	0.215	0.006070039	0.016731518
0.25	0.211	0.019	0.192	0.407	0.014941634	0.031673152
0.50	0.543	0.082	0.461	0.868	0.035875486	0.067548638
0.75	1.231	0.430	0.801	1.669	0.062334630	0.129883268
1.00	3.161	1.810	1.351	3.020	0.105136187	0.235019455
1.25	6.434	4.461	1.973	4.993	0.153540856	0.388560311
1.50	7.536	5.933	1.603	6.596	0.124747082	0.513307393
1.75	13.115	10.633	2.482	9.078	0.193151751	0.706459144
2.00	10.337	8.513	1.824	10.902	0.141945525	0.848404669
2.25	6.704	5.579	1.125	12.027	0.087548638	0.935953307
2.50	2.453	1.863	0.590	12.617	0.045914397	0.981867704
2.75	0.496	0.326	0.170	12.787	0.013229572	0.995097276
3.00	0.191	0.150	0.041	12.828	0.003190661	0.998287938
3.25	0.106	0.095	0.011	12.839	0.000856031	0.999143969
3.50	0.045	0.037	0.008	12.847	0.000622568	0.999766537
3.75	0.027	0.026	0.001	12.848	0.000077821	1.0
4.00	0.017	0.015	0.002	12.850	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	52.834
CO3 WT.	12.85
% CARBONATE	24.321

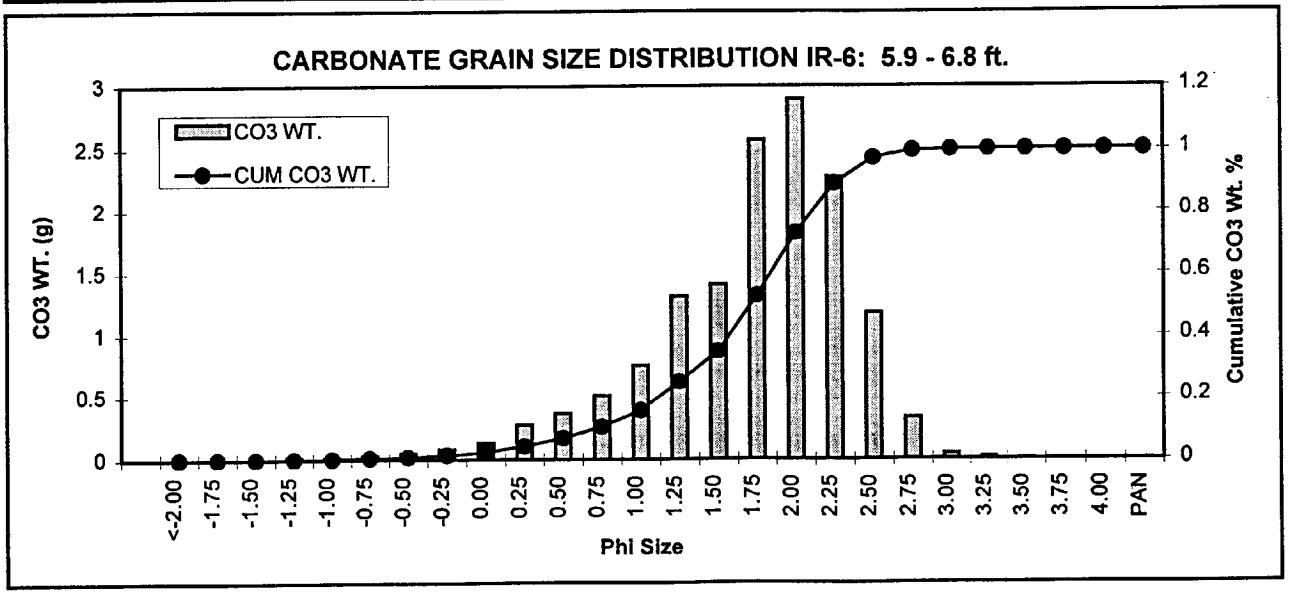


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-6: 5.9-6.8 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0.017	0	0.017	0.017	0.001189893	0.001189893
-1.00	0.017	0	0.017	0.034	0.001189893	0.002379786
-0.75	0.033	0	0.033	0.067	0.002309792	0.004689578
-0.50	0.052	0	0.052	0.119	0.003639672	0.008329250
-0.25	0.082	0	0.082	0.201	0.005739483	0.014068734
0.00	0.139	0.006	0.133	0.334	0.009309162	0.023377896
0.25	0.291	0.014	0.277	0.611	0.019388255	0.042766151
0.50	0.449	0.079	0.370	0.981	0.025897669	0.068663820
0.75	0.726	0.217	0.509	1.490	0.035626794	0.104290614
1.00	1.593	0.839	0.754	2.244	0.052775250	0.157065864
1.25	3.501	2.190	1.311	3.555	0.091761741	0.248827606
1.50	4.927	3.519	1.408	4.963	0.098551130	0.347378736
1.75	12.415	9.843	2.572	7.535	0.180023798	0.527402534
2.00	14.686	11.788	2.898	10.433	0.202841744	0.730244278
2.25	11.915	9.640	2.275	12.708	0.159235669	0.889479947
2.50	4.855	3.674	1.181	13.889	0.082662560	0.972142507
2.75	1.047	0.715	0.332	14.221	0.023237909	0.995380416
3.00	0.357	0.313	0.044	14.265	0.003079723	0.998460139
3.25	0.188	0.171	0.017	14.282	0.001189893	0.999650031
3.50	0.071	0.068	0.003	14.285	0.000209981	0.999860013
3.75	0.043	0.039	0.004	14.289	0.000279975	1.0
4.00	0.022	0.024	-0.002	14.287	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	57.426
CO3 WT.	14.287
% CARBONATE	24.879

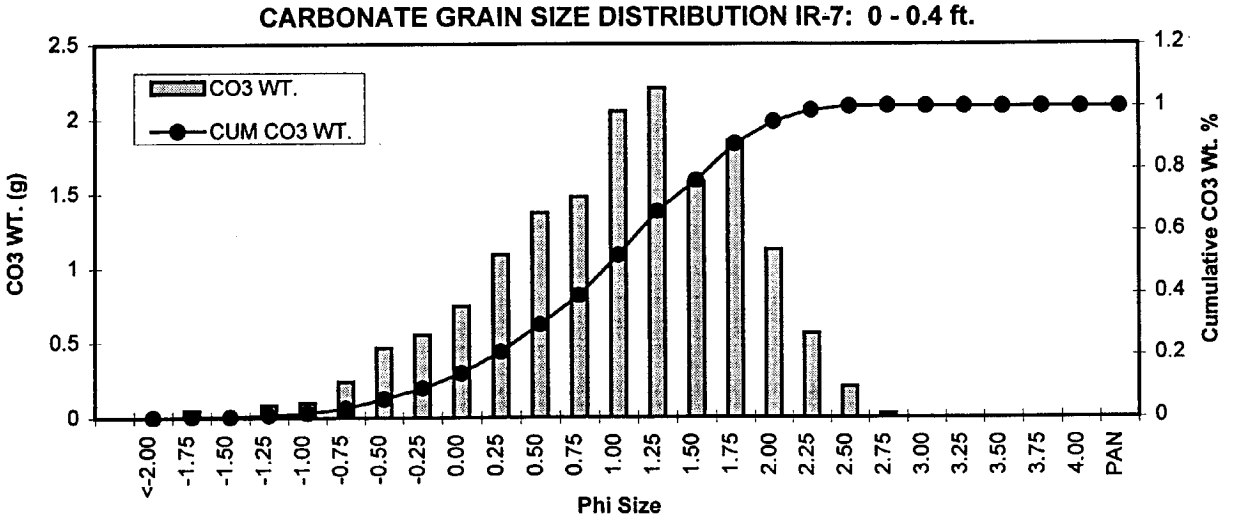


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR7: 0 - 0.4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0.048	0	0.048	0.048	0.00305227	0.00305227
-1.50	0	0	0	0.048	0	0.00305227
-1.25	0.084	0	0.084	0.132	0.005341473	0.008393743
-1.00	0.098	0	0.098	0.23	0.006231718	0.014625461
-0.75	0.238	0	0.238	0.468	0.015134173	0.029759634
-0.50	0.472	0.008	0.464	0.932	0.029505278	0.059264912
-0.25	0.566	0.015	0.551	1.483	0.035037517	0.094302429
0.00	0.830	0.085	0.745	2.228	0.047373776	0.141676205
0.25	1.364	0.276	1.088	3.316	0.069184790	0.210860995
0.50	1.973	0.603	1.370	4.686	0.087116877	0.297977871
0.75	2.937	1.456	1.481	6.167	0.094175251	0.392153122
1.00	5.511	3.459	2.052	8.219	0.130484548	0.522637670
1.25	7.955	5.750	2.205	10.424	0.140213659	0.662851329
1.50	7.447	5.870	1.577	12.001	0.100279791	0.763131120
1.75	9.375	7.522	1.853	13.854	0.117830345	0.880961465
2.00	5.330	4.206	1.124	14.978	0.071473992	0.952435457
2.25	2.282	1.723	0.559	15.537	0.035546229	0.987981686
2.50	0.609	0.403	0.206	15.743	0.013099326	1.0
2.75	0.122	0.097	0.025	15.768	0.001589724	1.0
3.00	0.045	0.055	-0.010	15.758	0	1.0
3.25	0.020	0.033	-0.013	15.745	0	1.0
3.50	0.014	0.019	-0.005	15.740	0	1.0
3.75	0.010	0.016	-0.006	15.734	0	1.0
4.00	0.005	0.013	-0.008	15.726	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	47.335
CO3 WT.	15.726
% CARBONATE	33.223

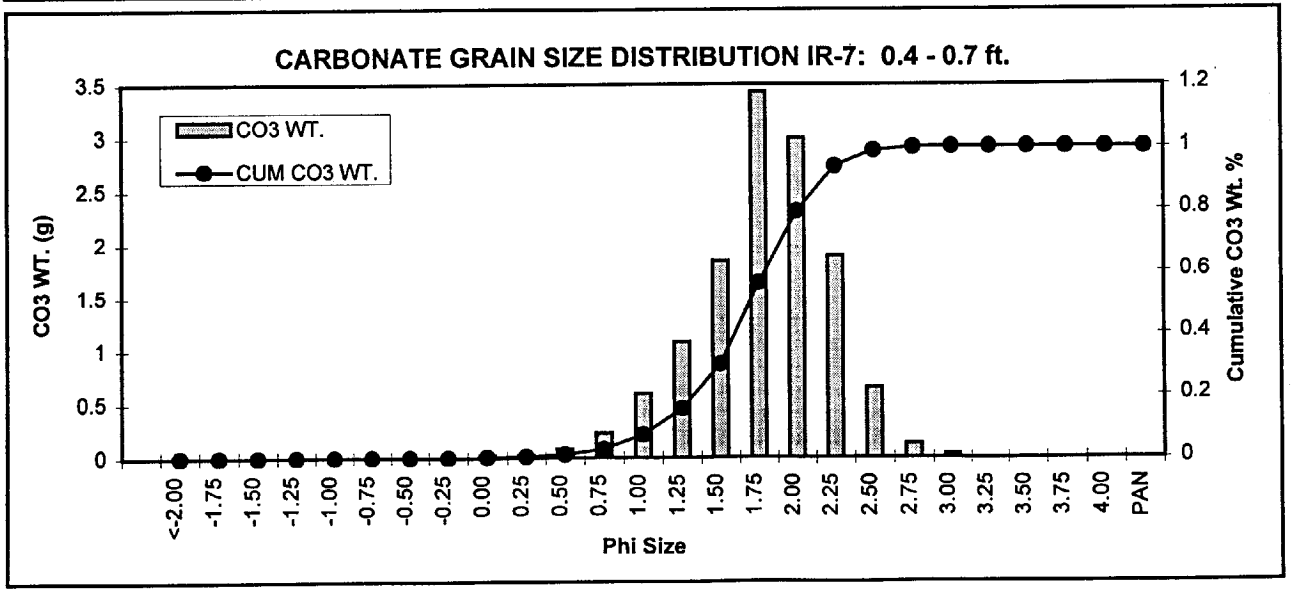


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR7: 0.4 - 0.7ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0	0	0	0	0	0
-1.00	0	0	0	0	0	0
-0.75	0	0	0	0	0	0
-0.50	0	0	0	0	0	0
-0.25	0.003	0	0.003	0.003	0.000230521	0.000230521
0.00	0.027	0.004	0.023	0.026	0.001767327	0.001997848
0.25	0.037	0.006	0.031	0.057	0.002382050	0.004379899
0.50	0.121	0.041	0.080	0.137	0.006147226	0.010527125
0.75	0.341	0.113	0.228	0.365	0.017519594	0.028046719
1.00	1.313	0.714	0.599	0.964	0.046027355	0.074074074
1.25	4.014	2.934	1.080	2.044	0.082987552	0.157061626
1.50	6.885	5.038	1.847	3.891	0.141924082	0.298985708
1.75	15.065	11.636	3.429	7.320	0.263485477	0.562471185
2.00	12.969	9.974	2.995	10.315	0.230136776	0.792607961
2.25	8.095	6.202	1.893	12.208	0.145458737	0.938066697
2.50	3.727	3.069	0.658	12.866	0.050560934	0.988627632
2.75	1.966	1.840	0.126	12.992	0.009681881	0.998309513
3.00	0.985	0.955	0.030	13.022	0.002305210	1.0
3.25	0.317	0.317	0	13.022	0	1.0
3.50	0.073	0.069	0.004	13.026	0.000307361	1.0
3.75	0.027	0.034	-0.007	13.019	0	1.0
4.00	0.016	0.021	-0.005	13.014	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	55.981
CO3 WT.	13.014
% CARBONATE	23.247

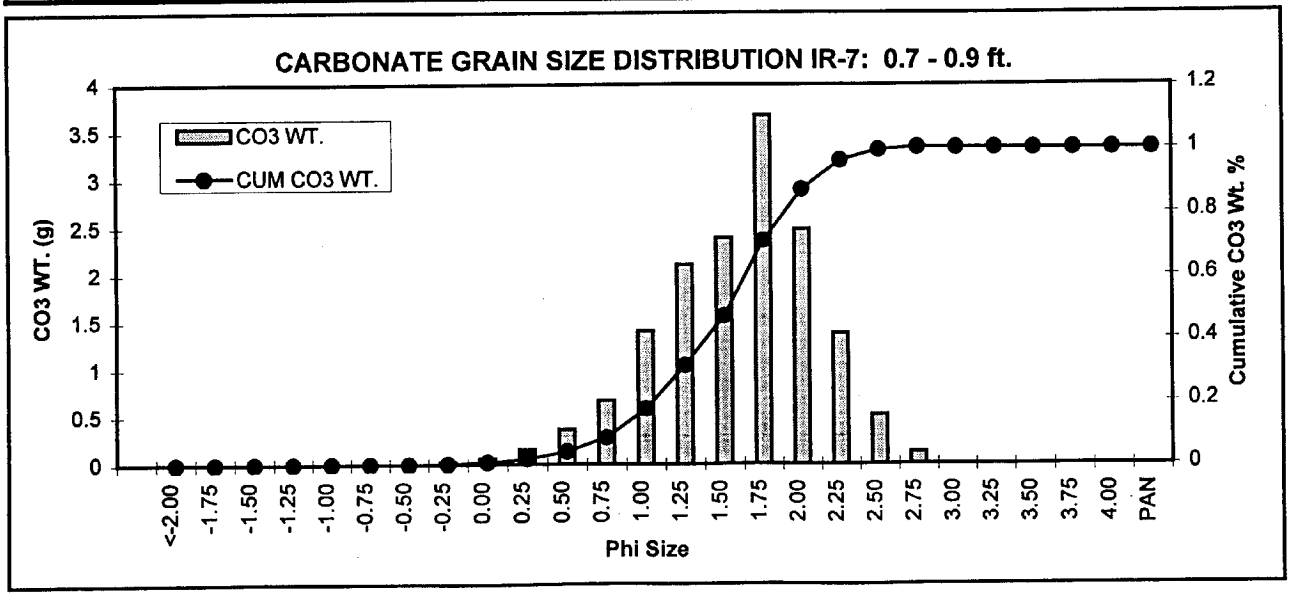


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR7: 0.7 - 0.9 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0	0	0	0	0	0
-1.00	0	0	0	0	0	0
-0.75	0.005	0	0.005	0.005	0.000325690	0.000325690
-0.50	0.001	0	0.001	0.006	0.000065138	0.000390829
-0.25	0.032	0	0.032	0.038	0.002084419	0.002475248
0.00	0.069	0	0.069	0.107	0.004494528	0.006969776
0.25	0.172	0.017	0.155	0.262	0.010096404	0.017066180
0.50	0.447	0.082	0.365	0.627	0.023775404	0.040841584
0.75	1.054	0.380	0.674	1.301	0.043903075	0.084744659
1.00	3.379	1.974	1.405	2.706	0.091519020	0.176263679
1.25	6.972	4.869	2.103	4.809	0.136985409	0.313249088
1.50	9.196	6.805	2.391	7.200	0.155745180	0.468994268
1.75	15.106	11.434	3.672	10.872	0.239187077	0.708181344
2.00	10.585	8.101	2.484	13.356	0.161803022	0.869984367
2.25	5.722	4.339	1.383	14.739	0.090085982	0.960070349
2.50	2.095	1.574	0.521	15.260	0.033936946	0.994007295
2.75	0.743	0.618	0.125	15.385	0.008142262	1.0
3.00	0.313	0.330	-0.017	15.368	0	1.0
3.25	0.107	0.112	-0.005	15.363	0	1.0
3.50	0.034	0.040	-0.006	15.357	0	1.0
3.75	0.023	0.026	-0.003	15.354	0	1.0
4.00	0.013	0.015	-0.002	15.352	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	56.068
CO3 WT.	15.352
% CARBONATE	27.381

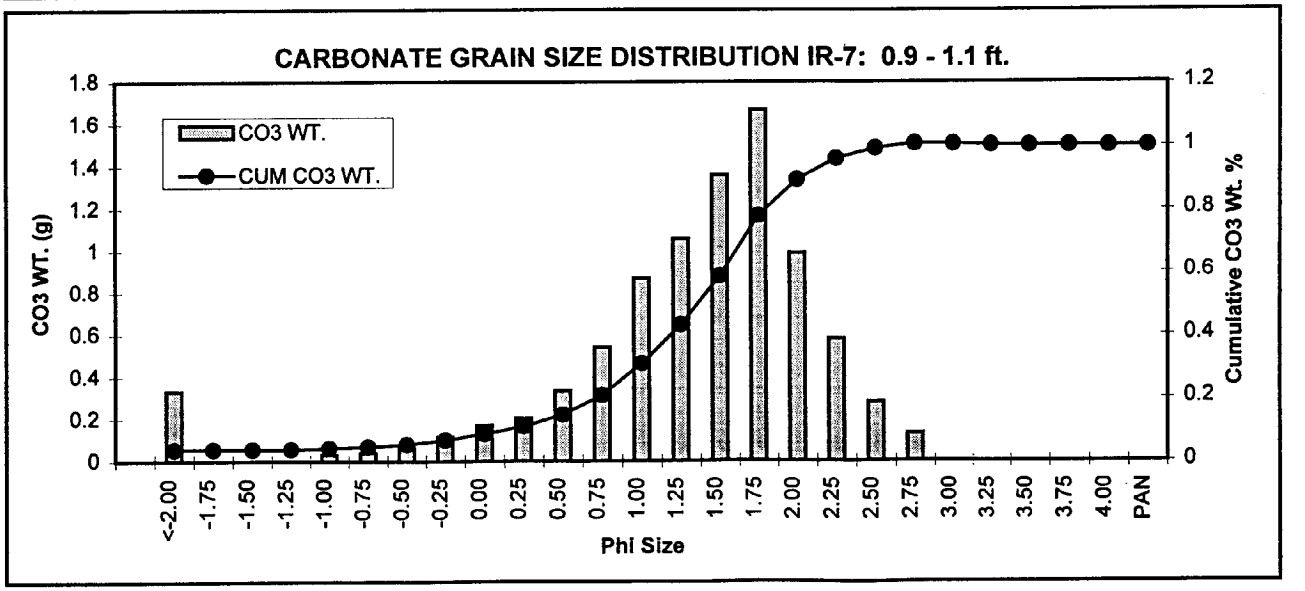


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR7: 0.9 - 1.1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.33	0	0.33	0.33	0.037904893	0.037904893
-1.75	0	0	0	0.33	0	0.037904893
-1.50	0	0	0	0.33	0	0.037904893
-1.25	0	0	0	0.33	0	0.037904893
-1.00	0.031	0	0.031	0.361	0.003560763	0.041465656
-0.75	0.04	0	0.04	0.401	0.004594533	0.046060188
-0.50	0.063	0	0.063	0.464	0.007236389	0.053296577
-0.25	0.123	0.007	0.116	0.58	0.013324144	0.066620721
0.00	0.143	-0.027	0.170	0.750	0.019526763	0.086147484
0.25	0.227	0.025	0.202	0.952	0.023202389	0.109349874
0.50	0.427	0.095	0.332	1.284	0.038134620	0.147484493
0.75	0.825	0.286	0.539	1.823	0.061911326	0.209395819
1.00	1.902	1.035	0.867	2.690	0.099586492	0.308982311
1.25	3.393	2.336	1.057	3.747	0.121410521	0.430392833
1.50	4.116	2.755	1.361	5.108	0.156328969	0.586721801
1.75	7.158	5.490	1.668	6.776	0.191592006	0.778313807
2.00	6.731	5.744	0.987	7.763	0.113370090	0.891683896
2.25	7.837	7.257	0.580	8.343	0.066620721	0.958304618
2.50	10.418	10.136	0.282	8.625	0.032391454	0.990696072
2.75	7.572	7.441	0.131	8.756	0.015047094	1.0
3.00	2.821	2.830	-0.009	8.747	0	1.0
3.25	0.572	0.596	-0.024	8.723	0	1.0
3.50	0.059	0.070	-0.011	8.712	0	1.0
3.75	0.022	0.025	-0.003	8.709	0	1.0
4.00	0.010	0.013	-0.003	8.706	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	54.82
CO3 WT.	8.706
% CARBONATE	15.881

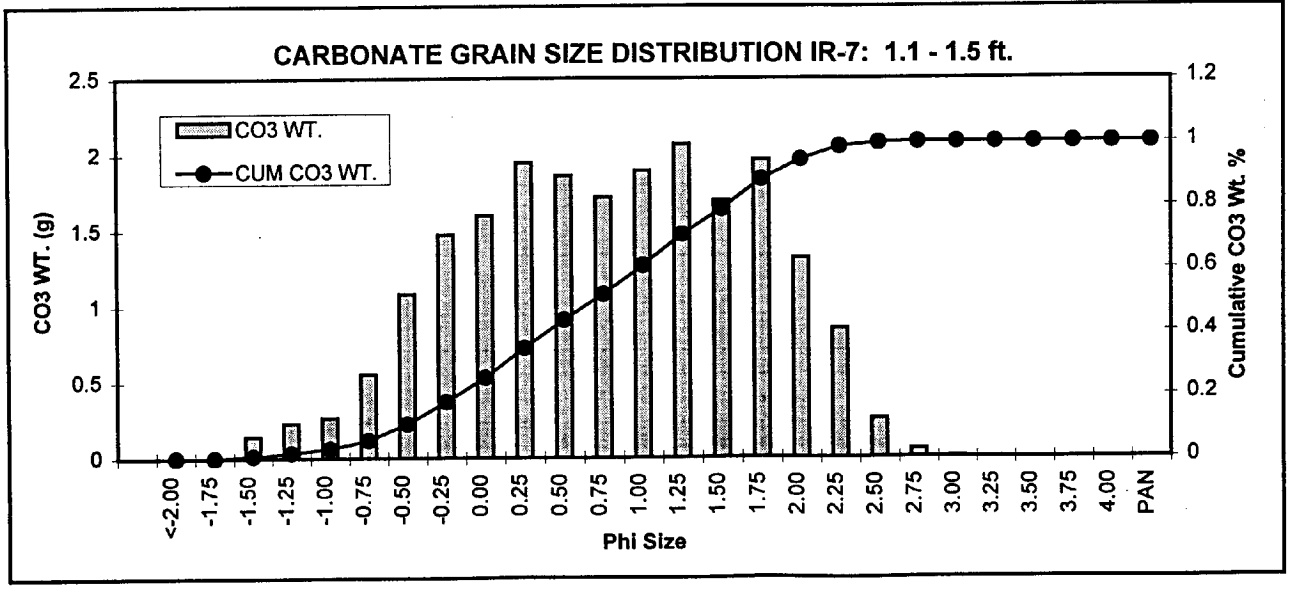


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR7: 1.1 - 1.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0.141	0	0.141	0.141	0.006717485	0.006717485
-1.25	0.230	0	0.230	0.371	0.010957599	0.017675083
-1.00	0.269	0	0.269	0.640	0.012815626	0.030490710
-0.75	0.555	0	0.555	1.195	0.026441162	0.056931872
-0.50	1.096	0.012	1.084	2.279	0.051643640	0.108575512
-0.25	1.567	0.093	1.474	3.753	0.070223916	0.178799428
0.00	1.795	0.193	1.602	5.355	0.076322058	0.255121486
0.25	2.437	0.489	1.948	7.303	0.092806098	0.347927585
0.50	2.832	0.970	1.862	9.165	0.088708909	0.436636494
0.75	3.458	1.741	1.717	10.882	0.081800858	0.518437351
1.00	5.283	3.390	1.893	12.775	0.090185803	0.608623154
1.25	6.821	4.756	2.065	14.840	0.098380181	0.707003335
1.50	6.662	4.965	1.697	16.537	0.080848023	0.787851358
1.75	9.296	7.329	1.967	18.504	0.093711291	0.881562649
2.00	6.215	4.899	1.316	19.820	0.062696522	0.944259171
2.25	3.375	2.521	0.854	20.674	0.040686041	0.984945212
2.50	1.146	0.889	0.257	20.931	0.012243926	0.997189138
2.75	0.426	0.372	0.054	20.985	0.002572654	0.999761791
3.00	0.274	0.266	0.008	20.993	0.000381134	1.0
3.25	0.165	0.161	0.004	20.997	0.000190567	1.0
3.50	0.074	0.075	-0.001	20.996	0	1.0
3.75	0.038	0.040	-0.002	20.994	0	1.0
4.00	0.013	0.017	-0.004	20.990	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	54.168
CO3 WT.	20.99
% CARBONATE	38.750

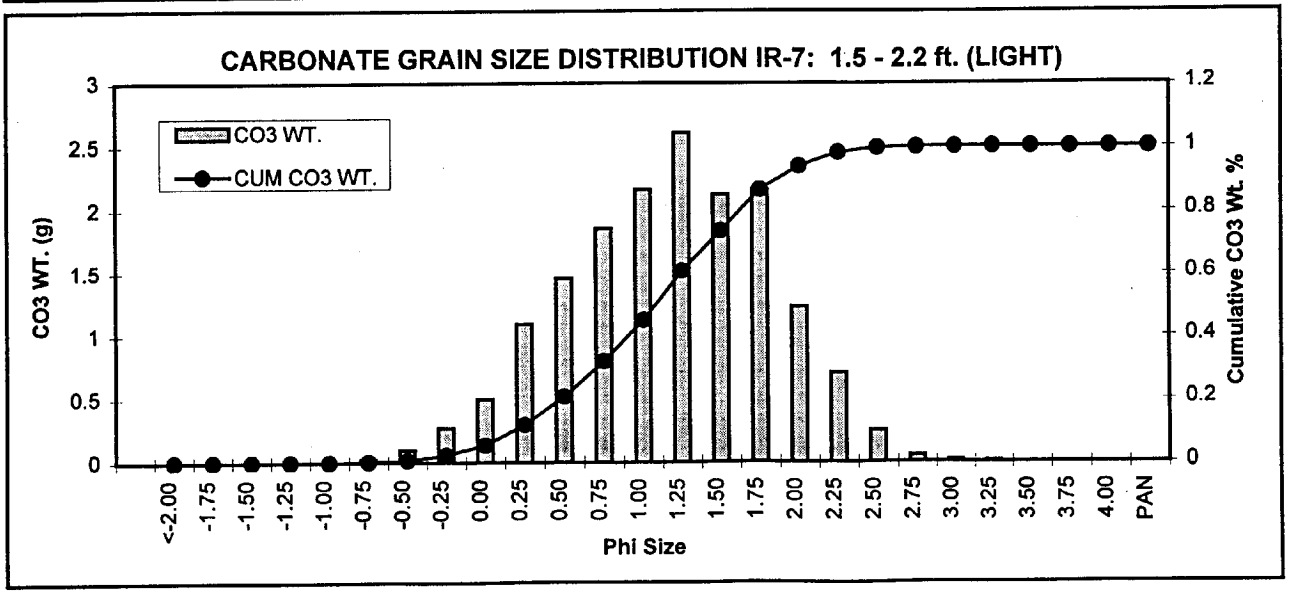


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR7: 1.5 - 2.2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0	0	0	0	0	0
-1.00	0	0	0	0	0	0
-0.75	0.026	0	0.026	0.026	0.001563816	0.001563816
-0.50	0.100	0	0.100	0.126	0.006014676	0.007578492
-0.25	0.286	0.011	0.275	0.401	0.016540358	0.024118850
0.00	0.548	0.044	0.504	0.905	0.030313966	0.054432816
0.25	1.287	0.192	1.095	2.000	0.065860700	0.120293516
0.50	2.107	0.646	1.461	3.461	0.087874414	0.208167930
0.75	3.536	1.682	1.854	5.315	0.111512089	0.319680019
1.00	6.082	3.917	2.165	7.480	0.130217731	0.449897751
1.25	8.582	5.975	2.607	10.087	0.156802598	0.606700349
1.50	8.079	5.957	2.122	12.209	0.127631421	0.734331770
1.75	10.060	7.899	2.161	14.370	0.129977144	0.864308914
2.00	6.097	4.867	1.230	15.600	0.073980512	0.938289426
2.25	3.122	2.416	0.706	16.306	0.042463611	0.980753037
2.50	1.115	0.865	0.250	16.556	0.015036690	0.995789727
2.75	0.413	0.362	0.051	16.607	0.003067485	0.998857212
3.00	0.262	0.245	0.017	16.624	0.001022495	0.999879706
3.25	0.166	0.153	0.013	16.637	0.000781908	1.0
3.50	0.073	0.076	-0.003	16.634	0	1.0
3.75	0.042	0.045	-0.003	16.631	0	1.0
4.00	0.013	0.018	-0.005	16.626	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	51.996
CO3 WT.	16.626
% CARBONATE	31.976

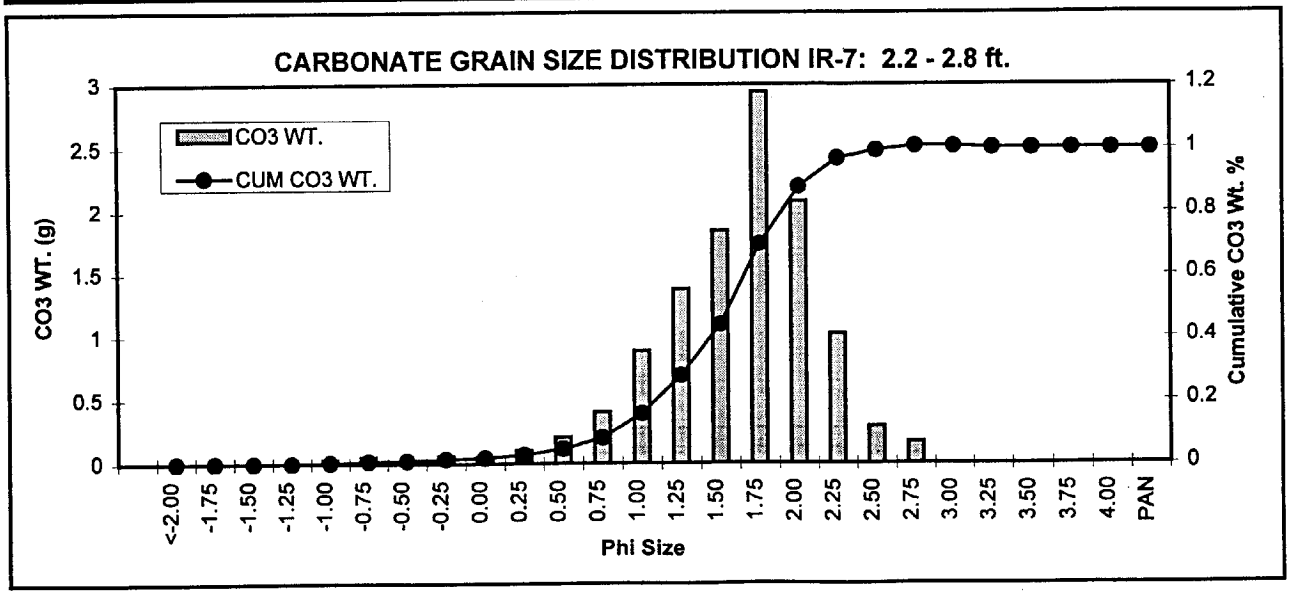


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR7: 2.2 - 2.8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0	0	0	0	0	0
-1.00	0.032	0	0	0	0	0
-0.75	0.050	0	0.050	0.082	0.004362240	0.007154074
-0.50	0.018	0	0.018	0.100	0.001570407	0.008724481
-0.25	0.066	0.006	0.060	0.160	0.005234689	0.013959169
0.00	0.053	0	0.053	0.213	0.004623975	0.018583144
0.25	0.119	0.018	0.101	0.314	0.008811726	0.027394870
0.50	0.252	0.046	0.206	0.520	0.017972431	0.045367301
0.75	0.615	0.212	0.403	0.923	0.035159658	0.080526959
1.00	1.665	0.776	0.889	1.812	0.077560635	0.158087594
1.25	3.596	2.215	1.381	3.193	0.120485081	0.278572675
1.50	5.363	3.515	1.848	5.041	0.161228407	0.439801082
1.75	10.189	7.247	2.942	7.983	0.256674228	0.696475310
2.00	8.608	6.528	2.080	10.063	0.181469203	0.877944512
2.25	7.003	5.976	1.027	11.090	0.089600419	0.967544931
2.50	6.444	6.153	0.291	11.381	0.025388239	0.992933170
2.75	5.650	5.484	0.166	11.547	0.014482638	1.0
3.00	3.011	3.025	-0.014	11.533	0	1.0
3.25	0.916	0.970	-0.054	11.479	0	1.0
3.50	0.113	0.119	-0.006	11.473	0	1.0
3.75	0.018	0.025	-0.007	11.466	0	1.0
4.00	0.008	0.012	-0.004	11.462	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	53.789
CO3 WT.	11.462
% CARBONATE	21.309

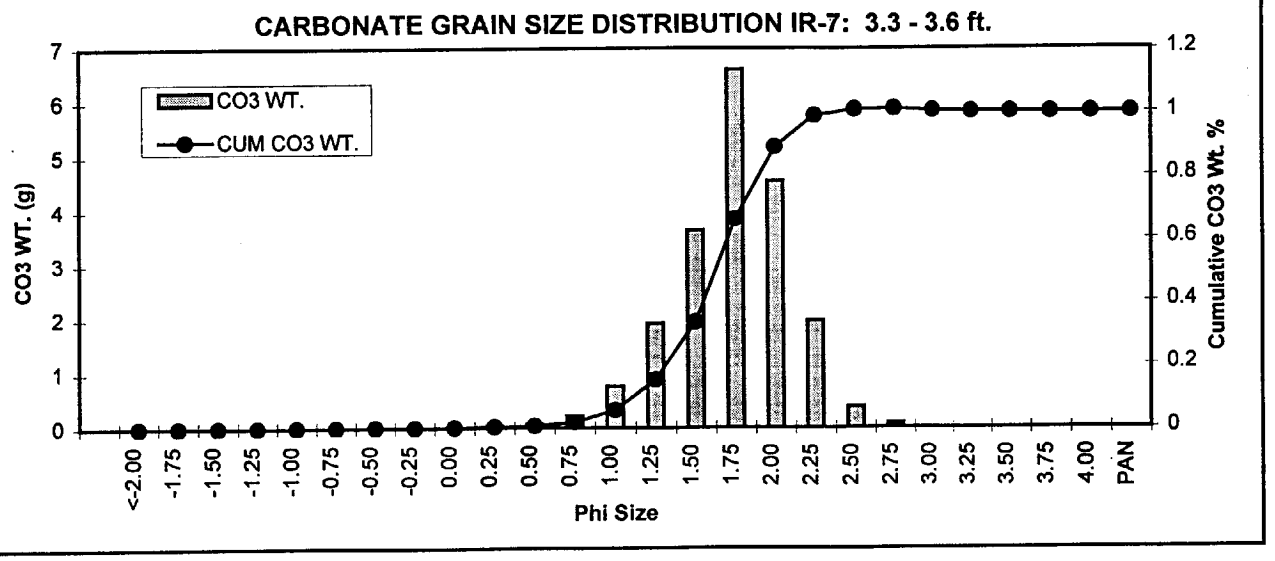


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR7: 3.3 - 3.6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0	0	0	0	0	0
-1.00	0	0	0	0	0	0
-0.75	0	0	0	0	0	0
-0.50	0.011	0	0.011	0	0	0
-0.25	0.013	0	0.013	0	0	0
0.00	0.008	0	0.008	0.032	0.000397772	0.001591090
0.25	0.051	0.004	0.047	0.079	0.002336913	0.003928003
0.50	0.078	0.008	0.070	0.149	0.003480509	0.007408512
0.75	0.282	0.058	0.224	0.373	0.011137629	0.018546142
1.00	1.121	0.354	0.767	1.140	0.038136436	0.056682578
1.25	3.604	1.676	1.928	3.068	0.095863166	0.152545744
1.50	6.990	3.336	3.654	6.722	0.181682578	0.334228321
1.75	14.848	8.239	6.609	13.331	0.328609785	0.662838107
2.00	11.049	6.491	4.558	17.889	0.226630867	0.889468974
2.25	5.982	4.008	1.974	19.863	0.098150358	0.987619332
2.50	2.863	2.482	0.381	20.244	0.018943914	1.0
2.75	1.876	1.799	0.077	20.321	0.003828560	1.0
3.00	1.262	1.389	-0.127	20.194	0	1.0
3.25	0.453	0.513	-0.060	20.134	0	1.0
3.50	0.094	0.107	-0.013	20.121	0	1.0
3.75	0.013	0.019	-0.006	20.115	0	1.0
4.00	0.003	0.006	-0.003	20.112	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	50.601
CO3 WT.	20.112
% CARBONATE	39.746

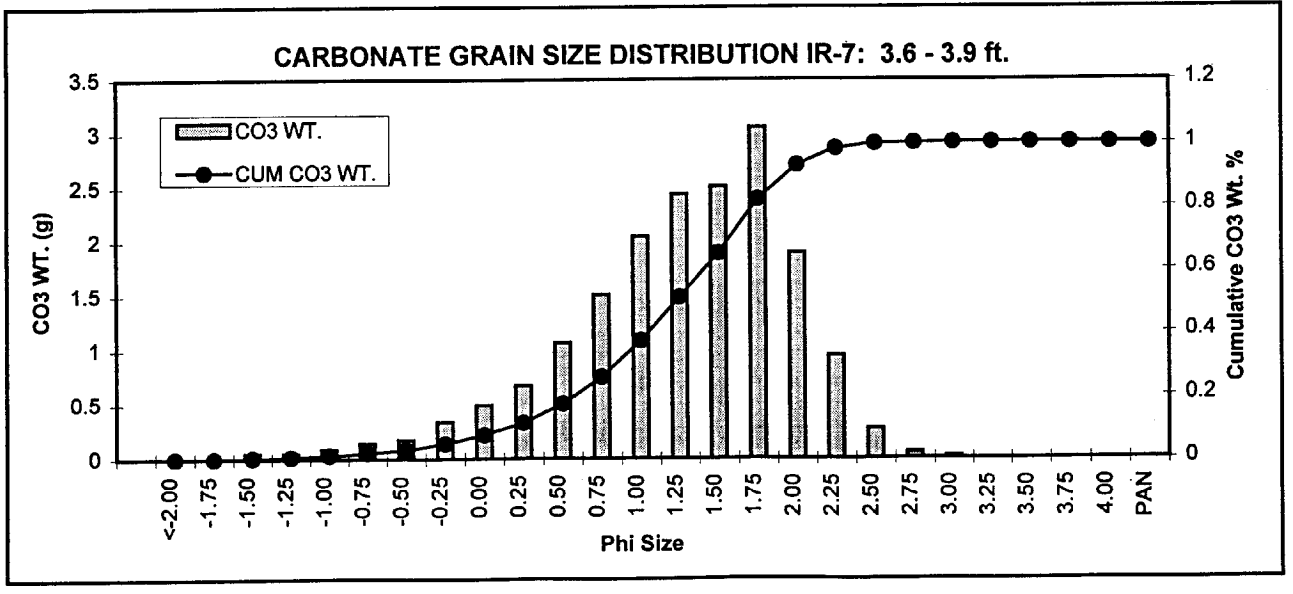


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR7: 3.6 - 3.9 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0.054	0	0.054	0.054	0	0
-1.25	0.052	0	0.052	0.106	0	0
-1.00	0.089	0	0.089	0.195	0	0
-0.75	0.144	0	0.144	0.339	0	0
-0.50	0.178	0	0.178	0.517	0	0
-0.25	0.340	0	0.340	0.857	0	0
0.00	0.506	0.010	0.496	1.353	0.027787115	0.075798319
0.25	0.736	0.061	0.675	2.028	0.037815126	0.113613445
0.50	1.287	0.222	1.065	3.093	0.059663866	0.173277311
0.75	2.180	0.669	1.511	4.604	0.084649860	0.257927171
1.00	4.152	2.100	2.052	6.656	0.114957983	0.372885154
1.25	6.862	4.420	2.442	9.098	0.136806723	0.509691877
1.50	7.789	5.275	2.514	11.612	0.140840336	0.650532213
1.75	10.898	7.839	3.059	14.671	0.171372549	0.821904762
2.00	6.857	4.957	1.900	16.571	0.106442577	0.928347339
2.25	3.410	2.465	0.945	17.516	0.052941176	0.981288515
2.50	1.043	0.774	0.269	17.785	0.015070028	0.996358543
2.75	0.330	0.278	0.052	17.837	0.002913165	0.999271709
3.00	0.203	0.181	0.022	17.859	0.001232493	1.0
3.25	0.085	0.083	0.002	17.861	0.000112045	1.0
3.50	0.024	0.025	-0.001	17.860	-0.000056022	1.0
3.75	0.014	0.017	-0.003	17.857	-0.000168067	1.0
4.00	0.005	0.012	-0.007	17.850	-0.000392157	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	47.238
CO3 WT.	17.85
% CARBONATE	37.787

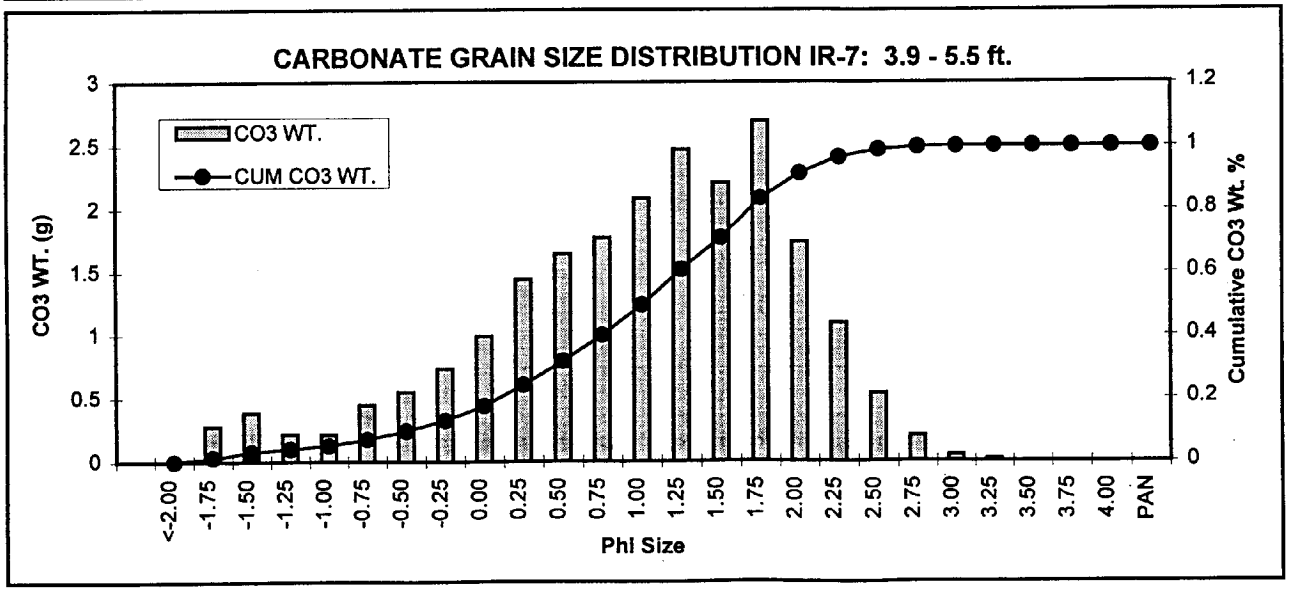


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR7: 3.9 - 5.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0.277	0	0.277	0.277	0.012720426	0.012720426
-1.50	0.388	0	0.388	0.665	0.017817781	0.030538207
-1.25	0.219	0	0.219	0.884	0.010056943	0.040595151
-1.00	0.216	0	0.216	1.100	0.009919177	0.050514328
-0.75	0.448	0	0.448	1.548	0.020573108	0.071087436
-0.50	0.551	0	0.551	2.099	0.025303086	0.096390522
-0.25	0.747	0.014	0.733	2.832	0.033660911	0.130051433
0.00	1.061	0.072	0.989	3.821	0.045416973	0.175468406
0.25	1.740	0.296	1.444	5.265	0.066311536	0.241779941
0.50	2.351	0.704	1.647	6.912	0.075633725	0.317413666
0.75	3.240	1.466	1.774	8.686	0.081465834	0.398879500
1.00	5.260	3.177	2.083	10.769	0.095655768	0.494535268
1.25	7.415	4.945	2.470	13.239	0.113427627	0.607962895
1.50	7.414	5.206	2.208	15.447	0.101396032	0.709358927
1.75	10.149	7.454	2.695	18.142	0.123760103	0.833119030
2.00	6.730	4.993	1.737	19.879	0.079766716	0.912885746
2.25	3.964	2.872	1.092	20.971	0.050146951	0.963032697
2.50	1.724	1.188	0.536	21.507	0.024614254	0.987646951
2.75	0.745	0.542	0.203	21.710	0.009322190	0.996969140
3.00	0.441	0.390	0.051	21.761	0.002342028	0.999311168
3.25	0.198	0.177	0.021	21.782	0.000964364	1.0
3.50	0.051	0.050	0.001	21.783	0.000045922	1.0
3.75	0.028	0.029	-0.001	21.782	0	1.0
4.00	0.013	0.019	-0.006	21.776	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	55.370
CO3 WT.	21.776
% CARBONATE	39.328

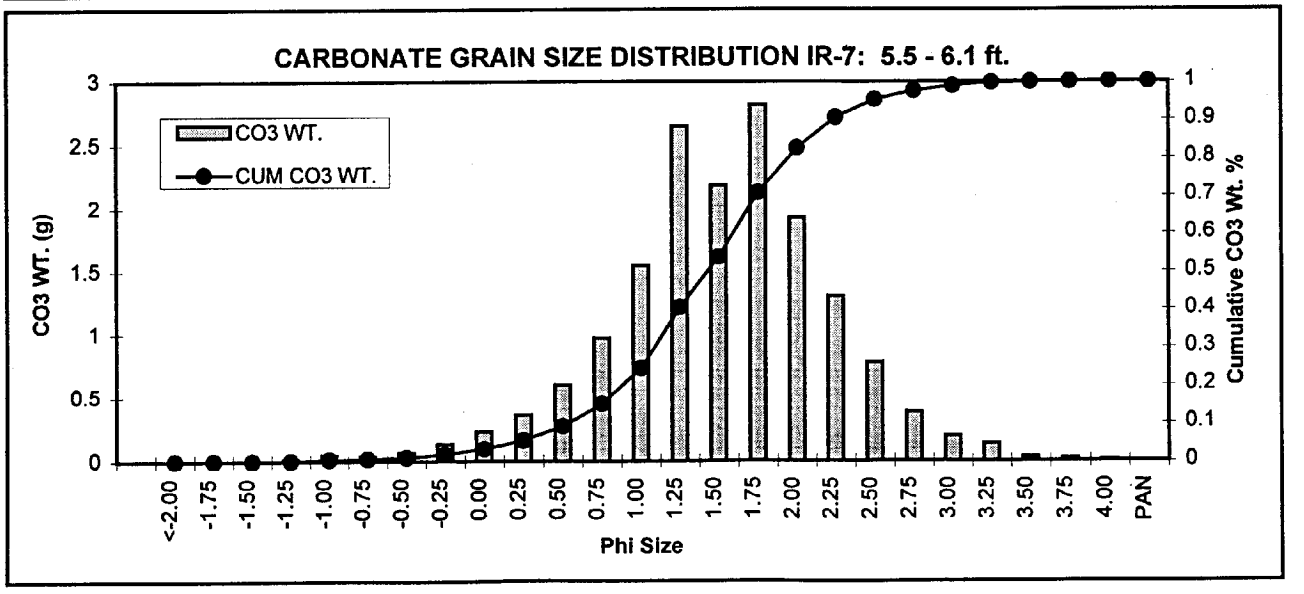


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR7: 5.5 - 6.1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0.017	0	0.017	0.017	0.001033246	0.001033246
-1.00	0.049	0	0.049	0.066	0.002978180	0.004011426
-0.75	0.035	0	0.035	0.101	0.002127272	0.006138698
-0.50	0.063	0	0.063	0.164	0.003829089	0.009967787
-0.25	0.137	0	0.137	0.301	0.008326749	0.018294536
0.00	0.237	0.007	0.230	0.531	0.013979214	0.032273749
0.25	0.410	0.045	0.365	0.896	0.022184404	0.054458154
0.50	0.760	0.164	0.596	1.492	0.036224397	0.090682550
0.75	1.539	0.567	0.972	2.464	0.059077372	0.149759922
1.00	3.915	2.367	1.548	4.012	0.094086185	0.243846107
1.25	8.212	5.562	2.650	6.662	0.161064851	0.404910958
1.50	8.894	6.712	2.182	8.844	0.132620191	0.537531149
1.75	13.315	10.498	2.817	11.661	0.171214976	0.708746125
2.00	10.165	8.240	1.925	13.586	0.116999939	0.825746065
2.25	6.800	5.498	1.302	14.888	0.079134504	0.904880569
2.50	3.280	2.499	0.781	15.669	0.047468547	0.952349116
2.75	1.696	1.311	0.385	16.054	0.023399988	0.975749104
3.00	1.271	1.072	0.199	16.253	0.012095059	0.987844162
3.25	0.714	0.574	0.140	16.393	0.008509086	0.996353249
3.50	0.164	0.134	0.030	16.423	0.001823376	0.998176624
3.75	0.071	0.050	0.021	16.444	0.001276363	0.999452987
4.00	0.035	0.026	0.009	16.453	0.000547013	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	61.779
CO3 WT.	16.453
% CARBONATE	26.632

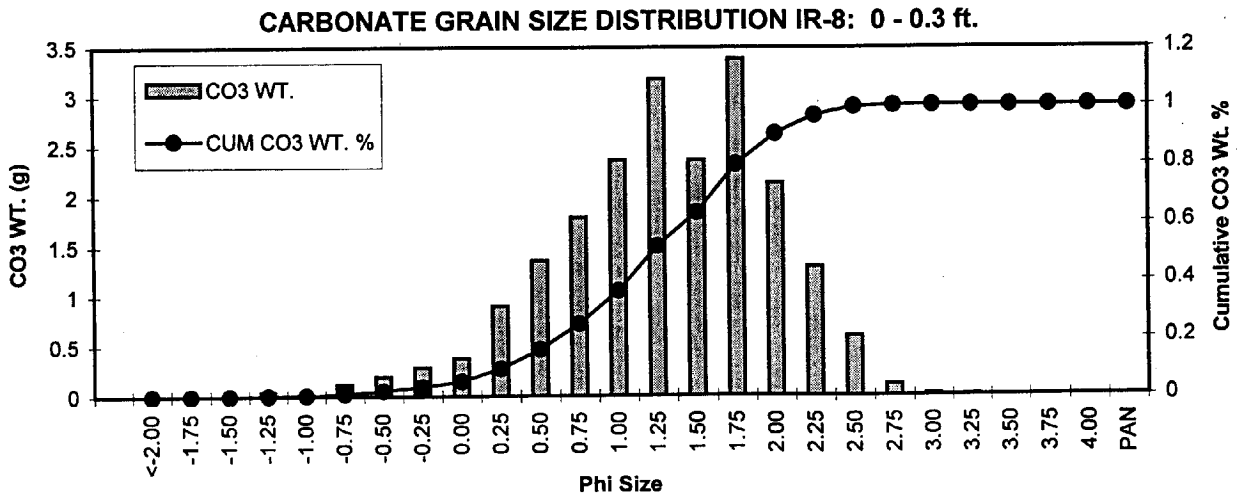


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR8: 0 - 0.3 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0.043	0	0.043	0.043	0.002089712	0.002089712
-1.00	0.022	0.002	0.02	0.063	0.000971959	0.003061671
-0.75	0.134	0.016	0.118	0.181	0.005734558	0.008796229
-0.50	0.212	0.013	0.199	0.38	0.009670992	0.018467221
-0.25	0.307	0.017	0.29	0.67	0.014093405	0.032560626
0.00	0.437	0.056	0.381	1.051	0.018515819	0.051076445
0.25	1.079	0.174	0.905	1.956	0.043981144	0.095057589
0.50	1.949	0.585	1.364	3.320	0.066287603	0.161345191
0.75	3.492	1.696	1.796	5.116	0.087281917	0.248627108
1.00	6.913	4.547	2.366	7.482	0.114982748	0.363609856
1.25	10.800	7.622	3.178	10.660	0.154444282	0.518054138
1.50	11.059	8.694	2.365	13.025	0.114934150	0.632988288
1.75	16.642	13.258	3.384	16.409	0.164455460	0.797443748
2.00	11.573	9.434	2.139	18.548	0.103951013	0.901394761
2.25	6.378	5.076	1.302	19.850	0.063274530	0.964669291
2.50	2.004	1.402	0.602	20.452	0.029255965	0.993925256
2.75	0.431	0.319	0.112	20.564	0.005442970	0.999368227
3.00	0.220	0.205	0.015	20.579	0.000728969	1.0
3.25	0.165	0.159	0.006	20.585	0.000291588	1.0
3.50	0.100	0.102	-0.002	20.583	0	1.0
3.75	0.054	0.053	0.001	20.584	0.000048598	1.0
4.00	0.011	0.018	-0.007	20.577	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	74.025
CO3 WT.	20.577
% CARBONATE	27.797

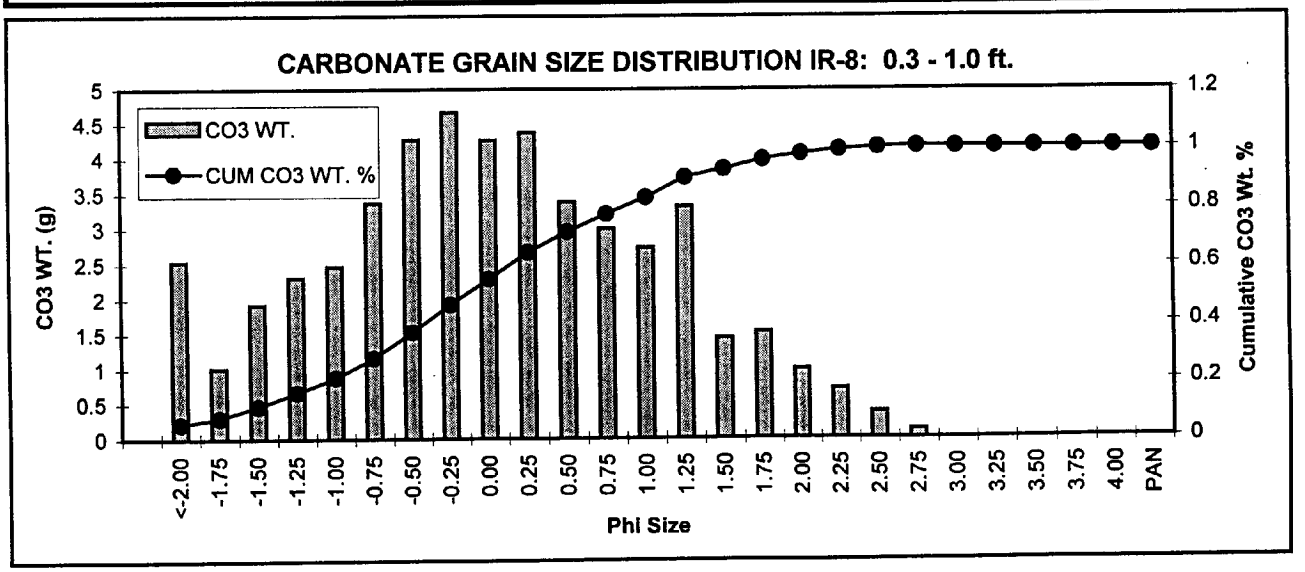


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR8: 0.3 - 1.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.539	0	2.539	2.539	0.052092844	0.052092844
-1.75	1.015	0	1.015	3.554	0.020824827	0.072917671
-1.50	1.926	0	1.926	5.48	0.039515879	0.11243355
-1.25	2.309	0	2.309	7.789	0.047373917	0.159807468
-1.00	2.474	0	2.474	10.263	0.050759234	0.210566702
-0.75	3.373	0.003	3.37	13.633	0.06914253	0.279709232
-0.50	4.363	0.086	4.277	17.91	0.087751514	0.367460746
-0.25	5.013	0.346	4.667	22.577	0.095753171	0.463213917
0.00	4.944	0.675	4.269	26.846	0.087587377	0.550801294
0.25	5.717	1.337	4.380	31.226	0.089864772	0.640666066
0.50	5.431	2.048	3.383	34.609	0.069409252	0.710075318
0.75	5.885	2.885	3.000	37.609	0.061551214	0.771626532
1.00	6.974	4.243	2.731	40.340	0.056032122	0.827658653
1.25	8.310	4.990	3.320	43.660	0.068116676	0.895775330
1.50	6.027	4.587	1.440	45.100	0.029544583	0.925319912
1.75	7.568	6.041	1.527	46.627	0.031329568	0.956649480
2.00	5.173	4.181	0.992	47.619	0.020352935	0.977002415
2.25	3.248	2.538	0.710	48.329	0.014565069	0.991567484
2.50	1.393	1.018	0.375	48.704	0.007693902	0.999261385
2.75	0.518	0.400	0.118	48.822	0.002421014	1.0
3.00	0.268	0.272	-0.004	48.818	0	1.0
3.25	0.188	0.201	-0.013	48.805	0	1.0
3.50	0.090	0.115	-0.025	48.780	0	1.0
3.75	0.053	0.075	-0.022	48.758	0	1.0
4.00	0.011	0.029	-0.018	48.740	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	84.8099
CO3 WT.	48.7399
% CARBONATE	57.470

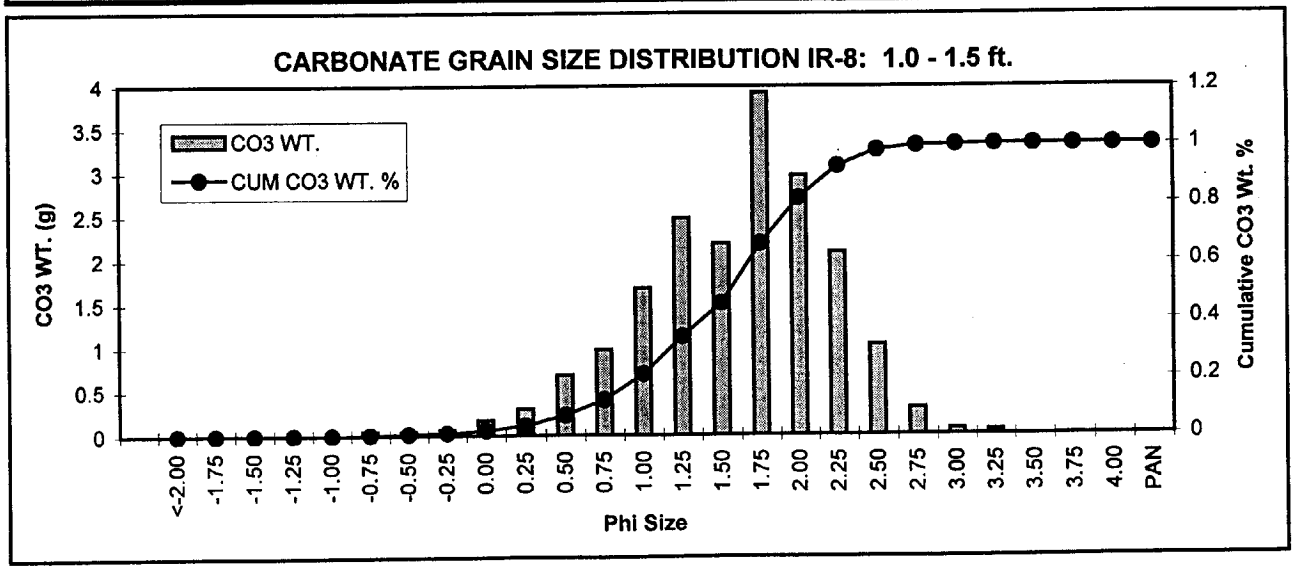


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR8: 1.0 - 1.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0	0	0	0	0	0
-1.00	0	0	0	0	0	0
-0.75	0.052	0	0.052	0.052	0.002718528	0.002718528
-0.50	0.047	0	0.047	0.099	0.002457131	0.005175659
-0.25	0.08	0.012	0.068	0.167	0.003554998	0.008730657
0.00	0.178	0.003	0.175	0.342	0.009148892	0.017879548
0.25	0.360	0.056	0.304	0.646	0.015892932	0.033772480
0.50	0.875	0.181	0.694	1.340	0.036281890	0.070054371
0.75	1.685	0.702	0.983	2.323	0.051390632	0.121445002
1.00	4.212	2.524	1.688	4.011	0.088247595	0.209692597
1.25	7.926	5.442	2.484	6.495	0.129861982	0.339554580
1.50	10.052	7.861	2.191	8.686	0.114544124	0.454098703
1.75	18.175	14.254	3.921	12.607	0.204987453	0.659086156
2.00	14.696	11.728	2.968	15.575	0.155165203	0.814251359
2.25	9.406	7.305	2.101	17.676	0.109838980	0.924090339
2.50	3.628	2.588	1.040	18.716	0.054370556	0.978460895
2.75	1.056	0.749	0.307	19.023	0.016049770	0.994510665
3.00	0.530	0.465	0.065	19.088	0.003398160	0.997908825
3.25	0.384	0.334	0.050	19.138	0.002613969	1.0
3.50	0.200	0.210	-0.010	19.128	0	1.0
3.75	0.109	0.104	0.005	19.133	0.000261397	1.0
4.00	0.018	0.023	-0.005	19.128	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	73.669
CO3 WT.	19.128
% CARBONATE	25.965

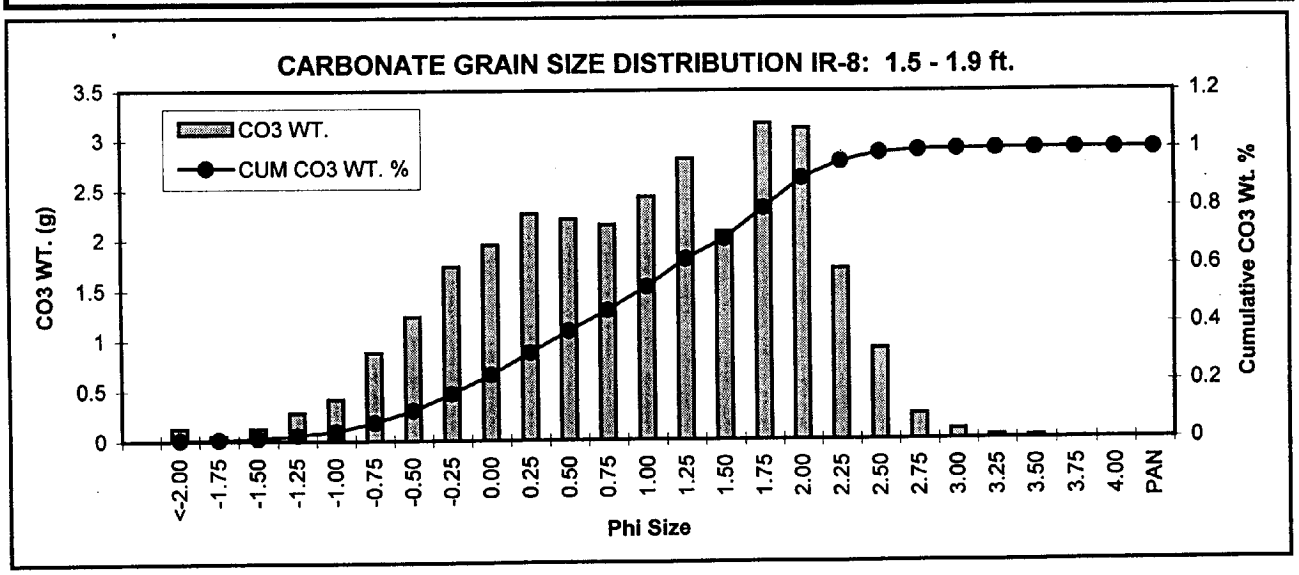


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR8: 1.5 - 1.9 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.125	0	0.125	0.125	0.004147588	0.004147588
-1.75	0.056	0	0.056	0.181	0.001858119	0.006005707
-1.50	0.128	0	0.128	0.309	0.00424713	0.010252837
-1.25	0.283	0	0.283	0.592	0.009390139	0.019642976
-1.00	0.416	0	0.416	1.008	0.013803172	0.033446148
-0.75	0.884	0	0.884	1.892	0.029331741	0.062777888
-0.50	1.257	0.019	1.238	3.13	0.041077709	0.103855598
-0.25	1.837	0.1	1.737	4.867	0.05763488	0.161490477
0.00	2.133	0.176	1.957	6.824	0.064934634	0.226425111
0.25	2.750	0.483	2.267	9.091	0.075220652	0.301645763
0.50	3.302	1.087	2.215	11.306	0.073495255	0.375141018
0.75	4.105	1.953	2.152	13.458	0.071404871	0.446545889
1.00	6.192	3.754	2.438	15.896	0.080894552	0.527440441
1.25	8.492	5.678	2.814	18.710	0.093370496	0.620810936
1.50	9.227	7.138	2.089	20.799	0.069314487	0.690125423
1.75	15.314	12.147	3.167	23.966	0.105083284	0.795208707
2.00	12.176	9.055	3.121	27.087	0.103556971	0.898765678
2.25	7.799	6.085	1.714	28.801	0.056871723	0.955637401
2.50	3.071	2.151	0.920	29.721	0.030526246	0.986163647
2.75	0.868	0.611	0.257	29.978	0.008527440	0.994691088
3.00	0.464	0.363	0.101	30.079	0.003351251	0.998042339
3.25	0.317	0.285	0.032	30.111	0.001061782	0.999104121
3.50	0.198	0.174	0.024	30.135	0.000796337	0.999900458
3.75	0.100	0.096	0.004	30.139	0.000132723	1.0
4.00	0.024	0.025	-0.001	30.138	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	81.518
CO3 WT.	30.138
% CARBONATE	36.971

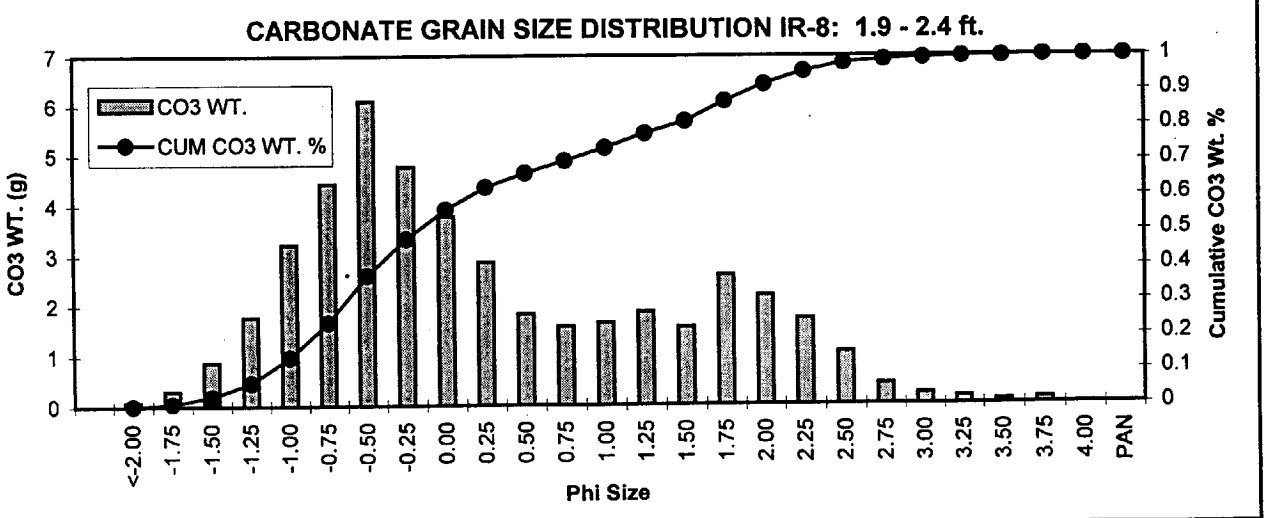


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR8: 1.9 - 2.4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.075	0	0.075	0.075	0.001659622	0.001659622
-1.75	0.3	0	0.3	0.375	0.00663849	0.008298112
-1.50	0.872	0	0.872	1.247	0.019295877	0.02759399
-1.25	1.766	0	1.766	3.013	0.039078578	0.066672568
-1.00	3.221	0	3.221	6.234	0.071275254	0.137947821
-0.75	4.486	0.042	4.444	10.678	0.098338165	0.236285986
-0.50	6.197	0.109	6.088	16.766	0.13471709	0.371003076
-0.25	5.165	0.389	4.776	21.542	0.10568476	0.476687836
0.00	4.253	0.472	3.781	25.323	0.083667102	0.560354938
0.25	3.449	0.576	2.873	28.196	0.063574606	0.623929543
0.50	2.533	0.712	1.821	30.017	0.040295634	0.664225178
0.75	2.621	1.049	1.572	31.589	0.034785687	0.699010865
1.00	3.782	2.140	1.642	33.231	0.036334668	0.735345533
1.25	5.797	3.931	1.866	35.097	0.041291408	0.776636941
1.50	6.680	5.128	1.552	36.649	0.034343121	0.810980062
1.75	11.918	9.311	2.607	39.256	0.057688478	0.868668540
2.00	10.399	8.215	2.184	41.440	0.048328207	0.916996747
2.25	7.711	5.982	1.729	43.169	0.038259830	0.955256578
2.50	3.915	2.854	1.061	44.230	0.023478126	0.978734704
2.75	1.710	1.290	0.420	44.650	0.009293886	0.988028590
3.00	1.145	0.933	0.212	44.862	0.004691200	0.992719789
3.25	1.039	0.894	0.145	45.007	0.003208603	0.995928393
3.50	0.694	0.618	0.076	45.083	0.001681751	0.997610144
3.75	0.446	0.346	0.100	45.183	0.002212830	0.999822974
4.00	0.077	0.069	0.008	45.191	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	90.251
CO3 WT.	45.191
% CARBONATE	50.073

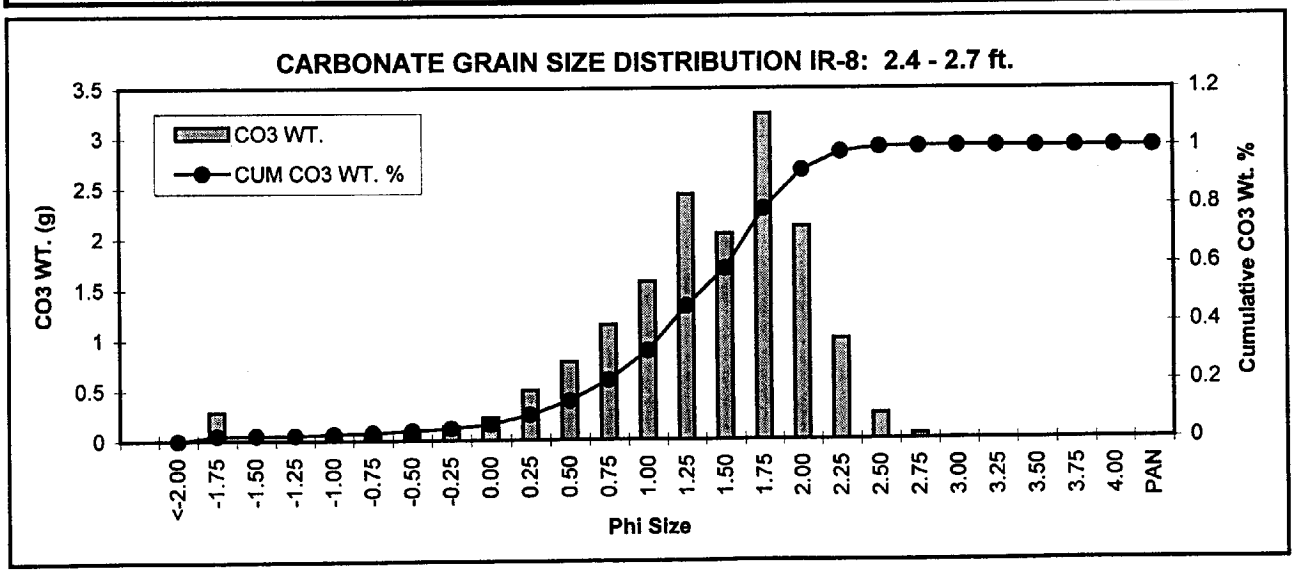


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR8: 2.4 - 2.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0.289	0	0.289	0.289	0.018021951	0.018021951
-1.50	0	0	0	0.289	0	0.018021951
-1.25	0	0	0	0.289	0	0.018021951
-1.00	0.066	0	0.066	0.355	0.004115740	0.022137690
-0.75	0.069	0	0.069	0.424	0.004302819	0.026440509
-0.50	0.099	0.001	0.098	0.522	0.006111250	0.032551759
-0.25	0.145	0.008	0.137	0.659	0.008543278	0.041095036
0.00	0.228	0.001	0.227	0.886	0.014155650	0.055250686
0.25	0.553	0.054	0.499	1.385	0.031117486	0.086368172
0.50	0.975	0.192	0.783	2.168	0.048827638	0.135195809
0.75	1.905	0.756	1.149	3.317	0.071651285	0.206847094
1.00	4.114	2.539	1.575	4.892	0.098216513	0.305063607
1.25	7.161	4.726	2.435	7.327	0.151845847	0.456909454
1.50	8.261	6.217	2.044	9.371	0.127463208	0.584372662
1.75	12.751	9.511	3.240	12.611	0.202045398	0.786418059
2.00	7.764	5.645	2.119	14.730	0.132140185	0.918558244
2.25	3.388	2.383	1.005	15.735	0.062671489	0.981229733
2.50	1.172	0.912	0.260	15.995	0.016213520	0.997443253
2.75	0.530	0.482	0.048	16.043	0.002993265	1.0
3.00	0.267	0.263	0.004	16.047	0.000249439	1.0
3.25	0.092	0.093	-0.001	16.046	0	1.0
3.50	0.028	0.033	-0.005	16.041	0	1.0
3.75	0.021	0.022	-0.001	16.040	0	1.0
4.00	0.007	0.011	-0.004	16.036	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	49.885
CO3 WT.	16.036
% CARBONATE	32.146

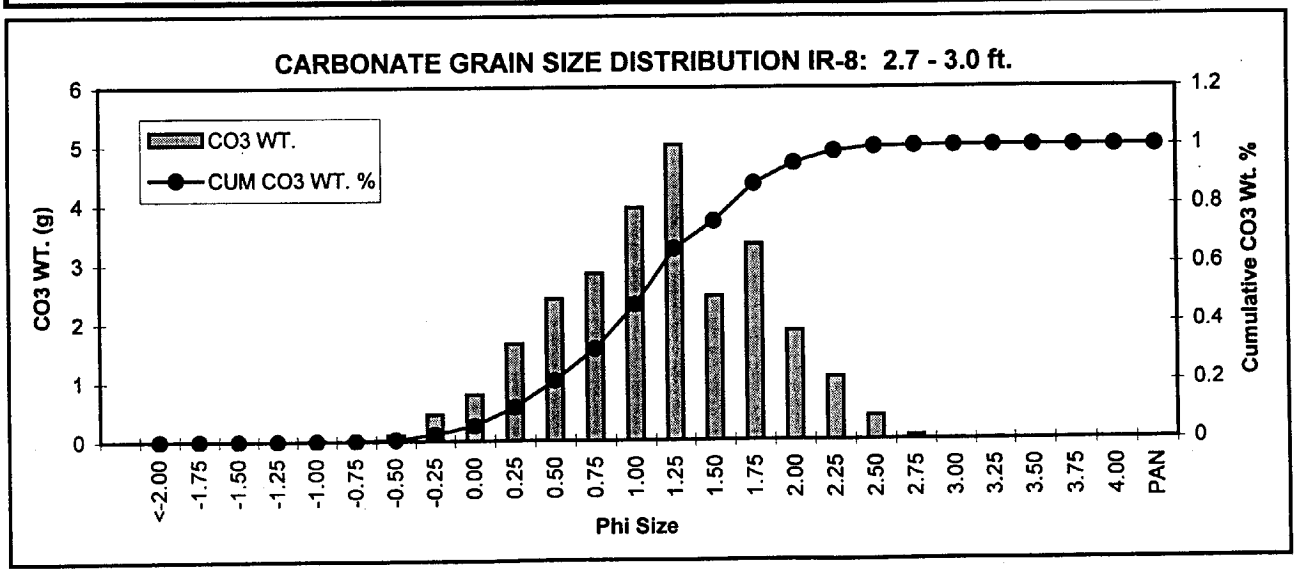


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR8: 2.7 - 3.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0	0	0	0	0	0
-1.50	0	0	0	0	0	0
-1.25	0	0	0	0	0	0
-1.00	0.014	0	0.014	0.014	0.000528461	0.000528461
-0.75	0.022	0	0.022	0.036	0.000830439	0.001358901
-0.50	0.11	0	0.11	0.146	0.004152197	0.005511098
-0.25	0.469	0.008	0.461	0.607	0.01740148	0.022912577
0.00	0.830	0.037	0.793	1.400	0.029933565	0.052846142
0.25	1.962	0.302	1.660	3.060	0.062660426	0.115506568
0.50	3.520	1.106	2.414	5.474	0.091121848	0.206628416
0.75	5.848	3.001	2.847	8.321	0.107466405	0.314094821
1.00	10.264	6.311	3.953	12.274	0.149214857	0.463309678
1.25	15.073	10.050	5.023	17.297	0.189604409	0.652914087
1.50	12.295	9.839	2.456	19.753	0.092707232	0.745621320
1.75	15.544	12.203	3.341	23.094	0.126113544	0.871734863
2.00	8.949	7.082	1.867	24.961	0.070474105	0.942208969
2.25	4.524	3.449	1.075	26.036	0.040578288	0.982787257
2.50	1.333	0.924	0.409	26.445	0.015438623	0.998225880
2.75	0.301	0.243	0.058	26.503	0.002189340	1.0
3.00	0.125	0.120	0.005	26.508	0.000188736	1.0
3.25	0.075	0.070	0.005	26.513	0.000188736	1.0
3.50	0.037	0.043	-0.006	26.507	0	1.0
3.75	0.026	0.034	-0.008	26.499	0	1.0
4.00	0.008	0.015	-0.007	26.492	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	81.329
CO3 WT.	26.492
% CARBONATE	32.574

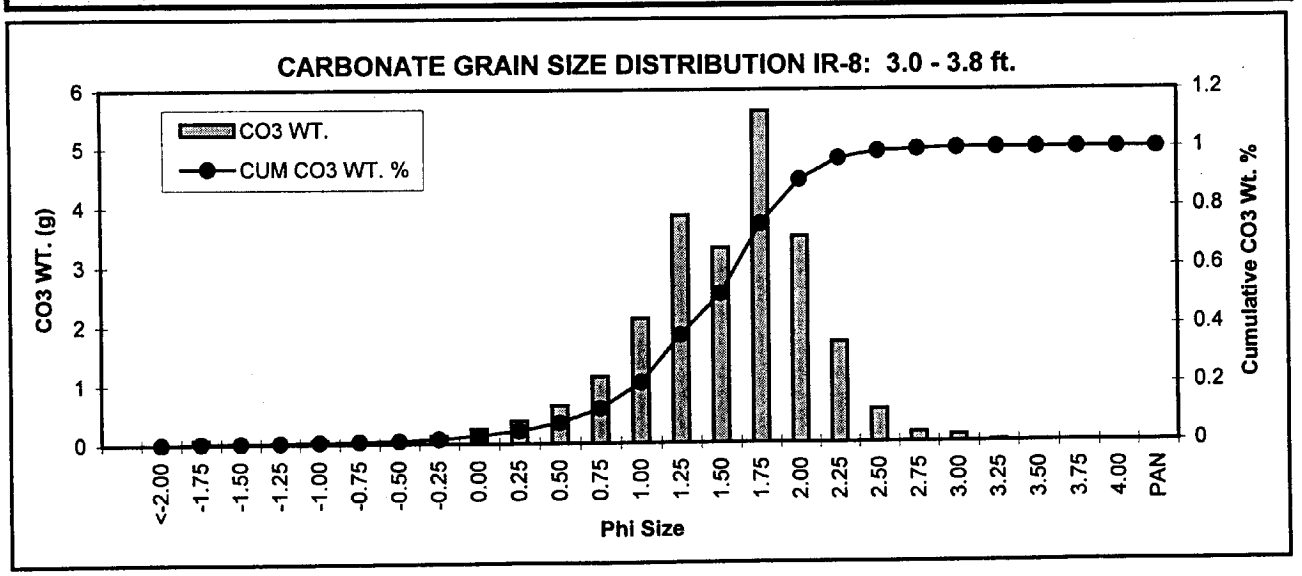


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR8: 3.0 - 3.8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0	0	0	0	0	0
-1.75	0.077	0	0.077	0.077	0.003235566	0.003235566
-1.50	0	0	0	0.077	0	0.003235566
-1.25	0.015	0	0.015	0.092	0.000630305	0.003865871
-1.00	0.066	0	0.066	0.158	0.002773342	0.006639213
-0.75	0.043	0	0.043	0.201	0.001806875	0.008446088
-0.50	0.058	0	0.058	0.259	0.002437180	0.010883268
-0.25	0.142	0.005	0.137	0.396	0.005756786	0.016640054
0.00	0.256	0.012	0.244	0.640	0.010252962	0.026893016
0.25	0.436	0.049	0.387	1.027	0.016261871	0.043154887
0.50	0.819	0.173	0.646	1.673	0.027145138	0.070300025
0.75	1.728	0.598	1.130	2.803	0.047482982	0.117783007
1.00	4.688	2.575	2.113	4.916	0.088788974	0.206571981
1.25	10.282	6.426	3.856	8.772	0.162030423	0.368602404
1.50	13.038	9.728	3.310	12.082	0.139087318	0.507689722
1.75	21.461	15.819	5.642	17.724	0.237078746	0.744768468
2.00	14.327	10.825	3.502	21.226	0.147155223	0.891923691
2.25	8.675	6.959	1.716	22.942	0.072106900	0.964030591
2.50	5.683	5.123	0.560	23.502	0.023531389	0.987561980
2.75	3.841	3.680	0.161	23.663	0.006765274	0.994327254
3.00	1.947	1.834	0.113	23.776	0.004748298	0.999075553
3.25	0.574	0.555	0.019	23.795	0.000798386	0.999873939
3.50	0.090	0.082	0.008	23.803	0.000336163	1.0
3.75	0.024	0.025	-0.001	23.802	0	1.0
4.00	0.010	0.014	-0.004	23.798	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	88.28
CO3 WT.	23.798
% CARBONATE	26.957

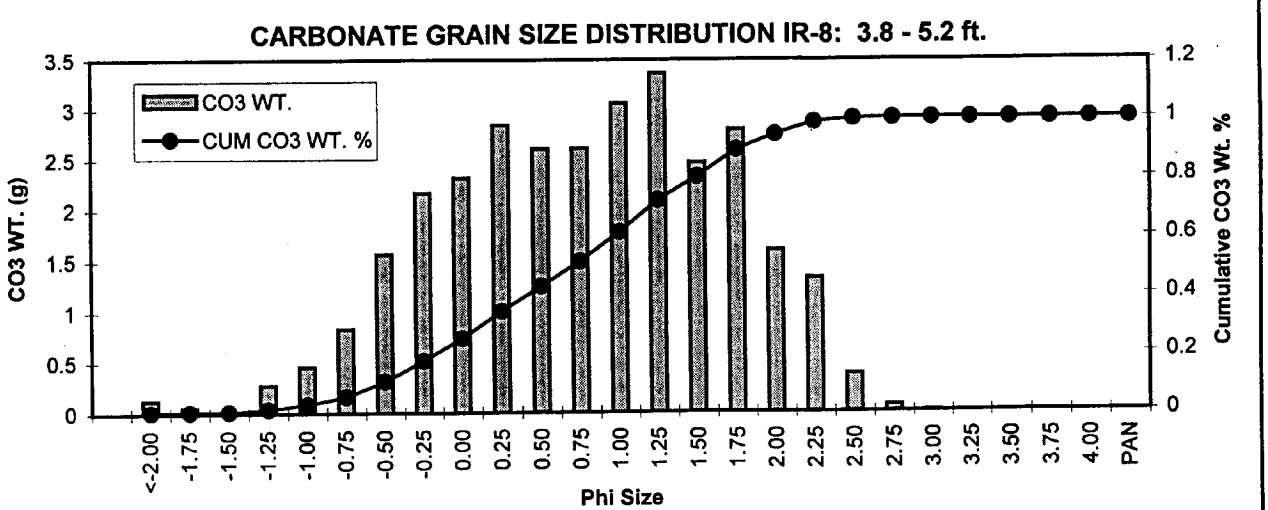


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR8: 3.8 - 5.2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.128	0	0.128	0.128	0.004130765	0.004130765
-1.75	0.057	0	0.057	0.185	0.001839481	0.005970246
-1.50	0.017	0	0.017	0.202	0.000548617	0.006518863
-1.25	0.277	0	0.277	0.479	0.008939233	0.015458095
-1.00	0.458	0	0.458	0.937	0.014780392	0.030238487
-0.75	0.836	0	0.836	1.773	0.026979056	0.057217543
-0.50	1.593	0.021	1.572	3.345	0.050730952	0.107948495
-0.25	2.234	0.058	2.176	5.521	0.070222997	0.178171491
0.00	2.627	0.3	2.327	7.848	0.075096008	0.253267499
0.25	3.698	0.850	2.848	10.696	0.091909510	0.345177010
0.50	4.092	1.483	2.609	13.305	0.084196599	0.429373608
0.75	4.869	2.254	2.615	15.920	0.084390228	0.513763836
1.00	6.860	3.801	3.059	18.979	0.098718818	0.612482654
1.25	8.995	5.636	3.359	22.338	0.108400297	0.720882951
1.50	8.779	6.307	2.472	24.810	0.079775390	0.800658341
1.75	11.850	9.048	2.802	27.612	0.090425017	0.891083358
2.00	7.566	5.957	1.609	29.221	0.051925001	0.943008358
2.25	4.248	2.917	1.331	30.552	0.042953497	0.985961855
2.50	1.065	0.689	0.376	30.928	0.012134121	0.998095976
2.75	0.229	0.168	0.061	30.989	0.001968567	1.0
3.00	0.104	0.097	0.007	30.996	0.000225901	1.0
3.25	0.071	0.070	0.001	30.997	0.000032272	1.0
3.50	0.032	0.034	-0.002	30.995	0	1.0
3.75	0.020	0.025	-0.005	30.990	0	1.0
4.00	0.011	0.014	-0.003	30.987	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	70.716
CO3 WT.	30.987
% CARBONATE	43.819

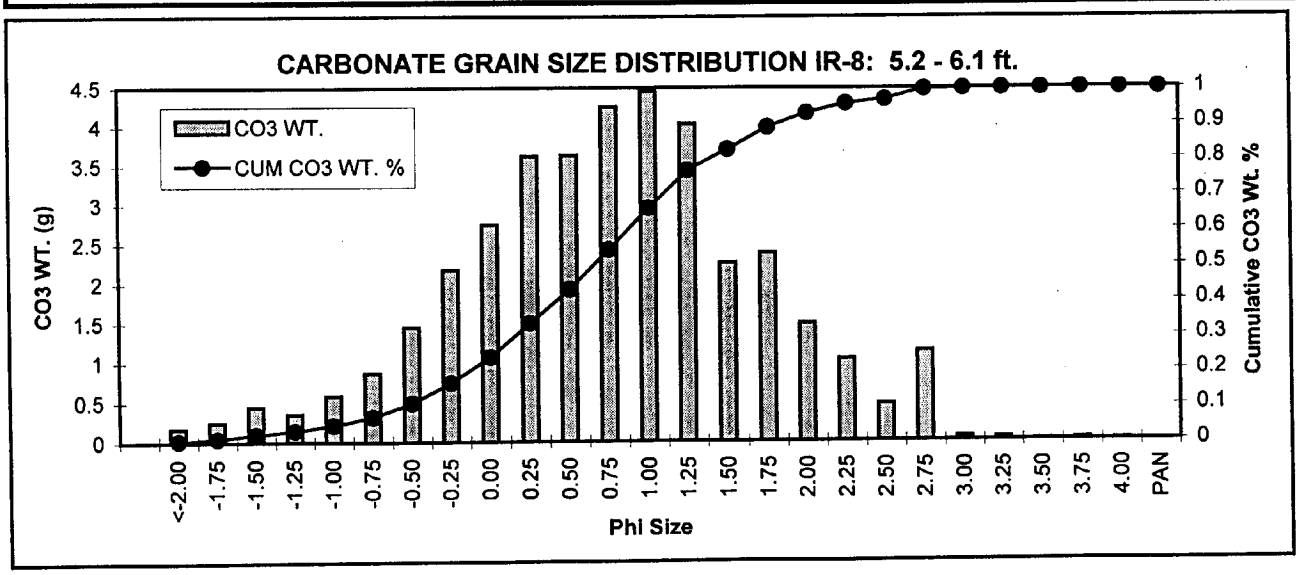


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR8: 5.2 - 6.1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.177	0	0.177	0.177	0.004654343	0.004654343
-1.75	0.251	0	0.251	0.428	0.006600226	0.011254569
-1.50	0.449	0	0.449	0.877	0.011806779	0.023061348
-1.25	0.359	0	0.359	1.236	0.009440164	0.032501512
-1.00	0.59	0	0.59	1.826	0.015514476	0.048015988
-0.75	0.872	0.005	0.867	2.693	0.022798391	0.070814379
-0.50	1.467	0.014	1.453	4.146	0.038207684	0.109022062
-0.25	2.26	0.079	2.181	6.327	0.057350969	0.166373031
0.00	3.032	0.283	2.749	9.076	0.072286939	0.238659970
0.25	4.451	0.828	3.623	12.699	0.095269400	0.333929370
0.50	5.664	2.024	3.640	16.339	0.095716427	0.429645797
0.75	7.928	3.674	4.254	20.593	0.111862000	0.541507797
1.00	10.322	5.872	4.450	25.043	0.117015962	0.658523758
1.25	11.066	7.028	4.038	29.081	0.106182124	0.764705882
1.50	8.073	5.803	2.270	31.351	0.059691288	0.824397171
1.75	9.505	7.109	2.396	33.747	0.063004549	0.887401720
2.00	6.169	4.673	1.496	35.243	0.039338400	0.926740119
2.25	3.751	2.711	1.040	36.283	0.027347551	0.954087670
2.50	1.410	0.934	0.476	36.759	0.012516764	0.966604433
2.75	1.425	0.283	1.142	37.901	0.030029714	0.996634148
3.00	0.216	0.168	0.048	37.949	0.001262195	0.997896342
3.25	0.140	0.103	0.037	37.986	0.000972942	0.998869284
3.50	0.064	0.050	0.014	38.000	0.000368140	0.999237424
3.75	0.057	0.038	0.019	38.019	0.000499619	0.999737043
4.00	0.033	0.023	0.010	38.029	0	1.0
PAN	0	0	0	0	0	1.0

TOTAL WT.	79.731
CO3 WT.	38.029
% CARBONATE	47.697

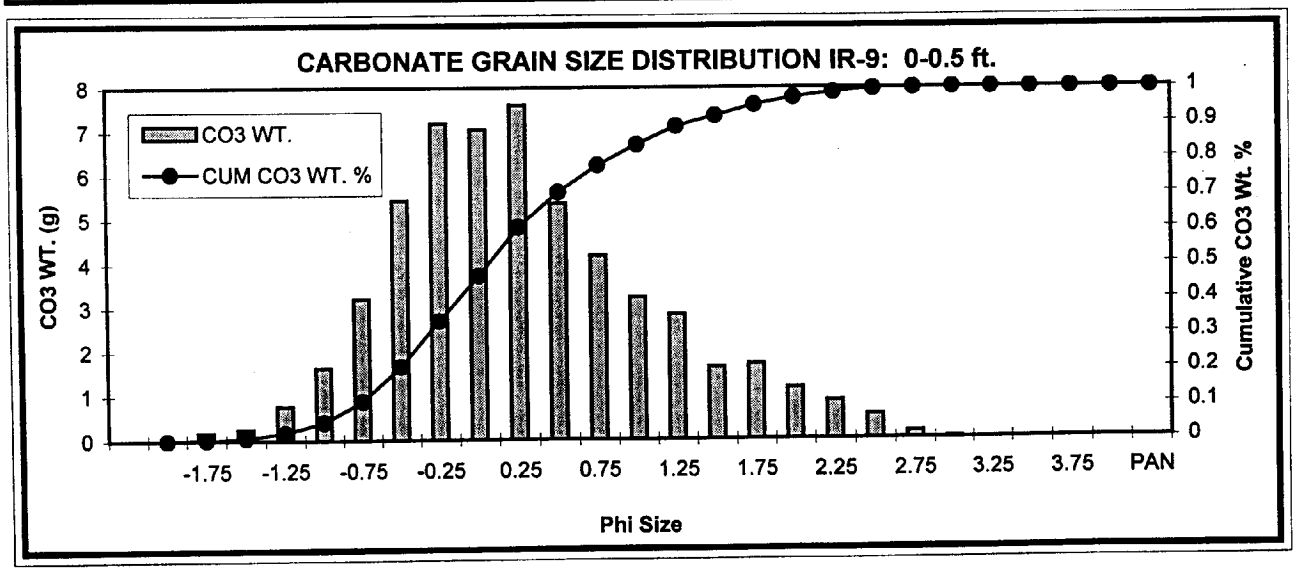


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-9: 0-0.5 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.174	0.000	0.174	0.174	0.003160706	0.003160706
-1.50	0.255	0.000	0.255	0.429	0.004632068	0.007792774
-1.25	0.769	0.000	0.769	1.198	0.013968865	0.021761639
-1.00	1.630	0.000	1.630	2.828	0.029608908	0.051370547
-0.75	3.239	0.032	3.207	6.035	0.058255073	0.109625620
-0.50	5.626	0.186	5.440	11.475	0.098817460	0.208443080
-0.25	7.960	0.780	7.180	18.655	0.130424515	0.338867596
0.00	8.625	1.577	7.048	25.703	0.128026739	0.466894334
0.25	10.406	2.805	7.601	33.304	0.138071970	0.604966304
0.50	8.874	3.499	5.375	38.679	0.097636737	0.702603041
0.75	8.264	4.080	4.184	42.863	0.076002252	0.778605293
1.00	8.168	4.936	3.232	46.095	0.058709197	0.837314490
1.25	7.693	4.847	2.846	48.941	0.051697517	0.889012007
1.50	6.372	4.739	1.633	50.574	0.029663403	0.918675410
1.75	8.458	6.753	1.705	52.279	0.030971281	0.949646691
2.00	6.761	5.600	1.161	53.440	0.021089535	0.970736226
2.25	4.872	4.001	0.871	54.311	0.015821693	0.986557919
2.50	2.196	1.645	0.551	54.862	0.010008901	0.996566820
2.75	0.749	0.595	0.154	55.016	0.002797406	0.999364226
3.00	0.433	0.408	0.025	55.041	0.000454124	0.999818350
3.25	0.352	0.350	0.002	55.043	0.000036330	0.999854680
3.50	0.214	0.212	0.002	55.045	0.000036330	0.999891010
3.75	0.122	0.120	0.002	55.047	0.000036330	0.999927340
4.00	0.028	0.026	0.002	55.049	0.000036330	0.999963670
PAN	0.019	0.017	0.002	55.051	0.000036330	1.0

TOTAL WT.	102.259	grams
CO3 WT	55.051	grams
% CARBONATE	53.83%	

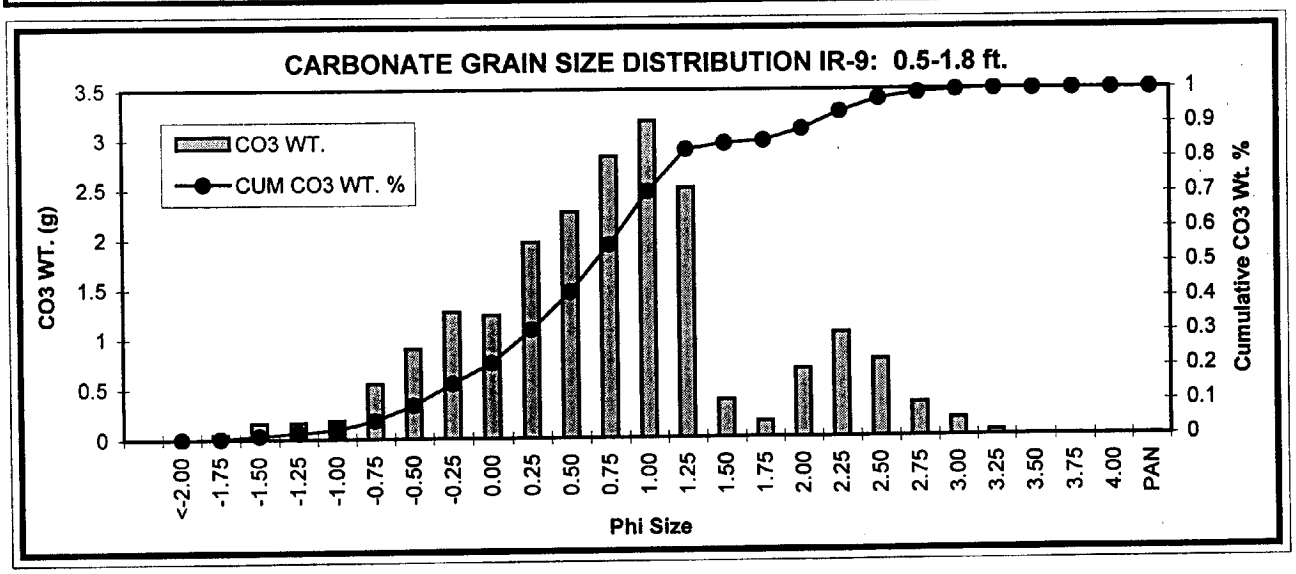


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-9: 0.5-1.8 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.048	0.000	0.048	0.048	0.002296761	0.002296761
-1.50	0.161	0.000	0.161	0.209	0.007703718	0.010000478
-1.25	0.164	0.000	0.164	0.373	0.007847265	0.017847744
-1.00	0.186	0.000	0.186	0.559	0.008899947	0.026747691
-0.75	0.551	0.000	0.551	1.110	0.026364898	0.053112589
-0.50	0.998	0.095	0.903	2.013	0.043207809	0.096320398
-0.25	1.429	0.158	1.271	3.284	0.060816307	0.157136705
0.00	1.539	0.301	1.238	4.522	0.059237284	0.216373989
0.25	2.534	0.563	1.971	6.493	0.094310733	0.310684722
0.50	3.155	0.883	2.272	8.765	0.108713336	0.419398057
0.75	4.547	1.719	2.828	11.593	0.135317479	0.554715537
1.00	7.058	3.875	3.183	14.776	0.152303938	0.707019475
1.25	9.064	6.554	2.510	17.286	0.120101440	0.827120915
1.50	8.414	8.039	0.375	17.661	0.017943442	0.845064357
1.75	11.752	11.597	0.155	17.816	0.007416623	0.852480980
2.00	8.645	7.962	0.683	18.499	0.032680990	0.885161969
2.25	5.453	4.403	1.050	19.549	0.050241638	0.935403608
2.50	2.217	1.442	0.775	20.324	0.037083114	0.972486722
2.75	0.824	0.489	0.335	20.659	0.016029475	0.988516197
3.00	0.522	0.343	0.179	20.838	0.008565003	0.997081200
3.25	0.291	0.238	0.053	20.891	0.002536007	0.999617207
3.50	0.124	0.122	0.002	20.893	0.000095698	0.999712905
3.75	0.036	0.034	0.002	20.895	0.000095698	0.999808603
4.00	0.022	0.020	0.002	20.897	0.000095698	0.999904302
PAN	0.019	0.017	0.002	20.899	0.000095698	1.0

TOTAL WT.	69.753	grams
CO3 WT	20.899	grams
% CARBONATE	29.96%	

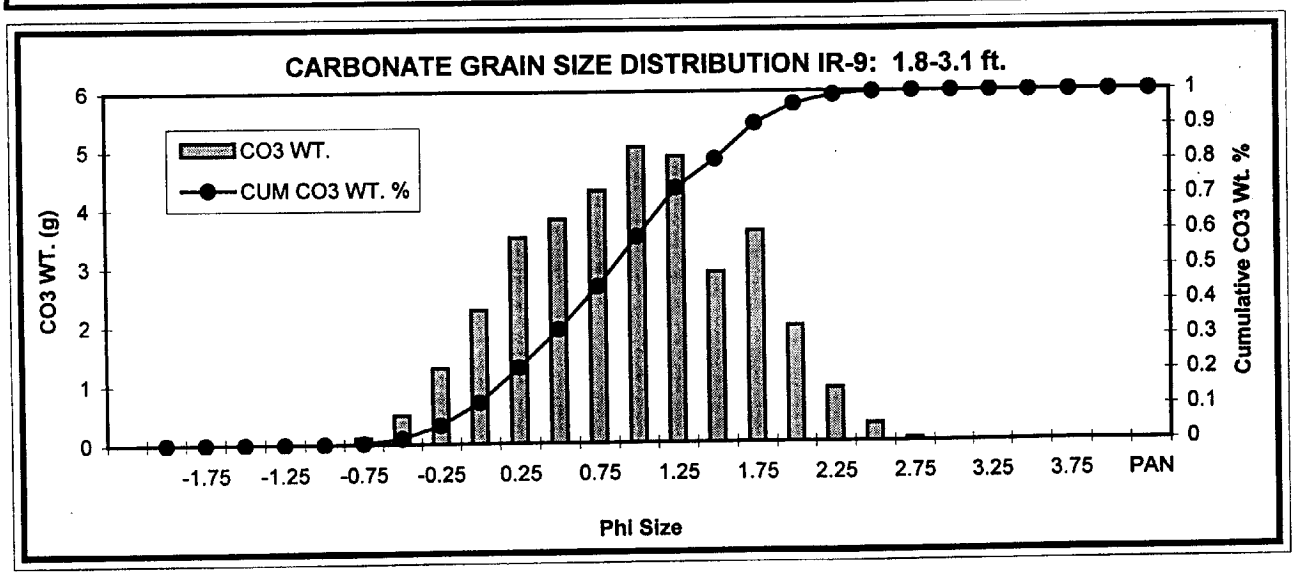


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-9: 1.8-3.1 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.106	0.000	0.106	0.106	0.002984234	0.002984234
-0.50	0.490	0.000	0.490	0.596	0.013795045	0.016779279
-0.25	1.311	0.016	1.295	1.891	0.036458333	0.053237613
0.00	2.438	0.163	2.275	4.166	0.064048423	0.117286036
0.25	4.526	1.019	3.507	7.673	0.098733108	0.216019144
0.50	6.193	2.372	3.821	11.494	0.107573198	0.323592342
0.75	8.550	4.243	4.307	15.801	0.121255631	0.444847973
1.00	12.249	7.201	5.048	20.849	0.142117117	0.586965090
1.25	15.265	10.374	4.891	25.740	0.137697072	0.724662162
1.50	12.447	9.541	2.906	28.646	0.081813063	0.806475225
1.75	14.942	11.330	3.612	32.258	0.101689189	0.908164414
2.00	8.166	6.183	1.983	34.241	0.055827703	0.963992117
2.25	3.665	2.748	0.917	35.158	0.025816441	0.989808559
2.50	1.136	0.832	0.304	35.462	0.008558559	0.998367117
2.75	0.422	0.376	0.046	35.508	0.001295045	0.999662162
3.00	0.241	0.239	0.002	35.510	0.000056306	0.999718468
3.25	0.136	0.134	0.002	35.512	0.000056306	0.999774775
3.50	0.056	0.054	0.002	35.514	0.000056306	0.999831081
3.75	0.039	0.037	0.002	35.516	0.000056306	0.999887387
4.00	0.020	0.018	0.002	35.518	0.000056306	0.999943694
PAN	0.024	0.022	0.002	35.520	0.000056306	1.0

TOTAL WT.	92.422	grams
CO3 WT	35.520	grams
% CARBONATE	38.43%	

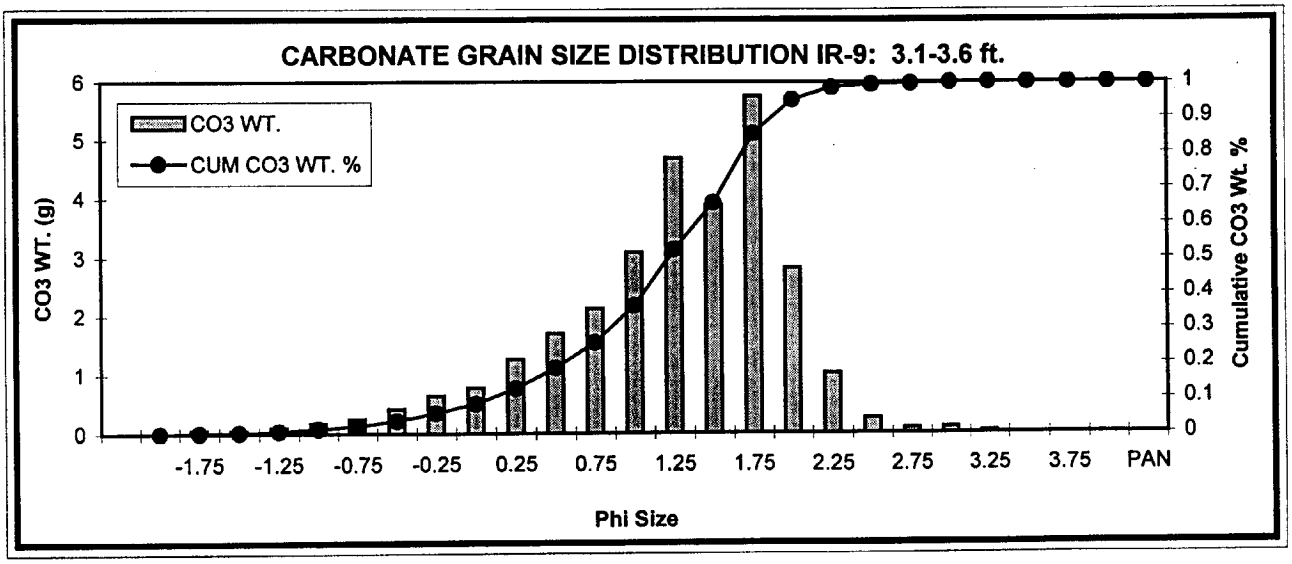


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-9: 3.1-3.6 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.061	0.000	0.061	0.061	0.002081698	0.002081698
-1.50	0.054	0.000	0.054	0.115	0.001842815	0.003924513
-1.25	0.105	0.000	0.105	0.220	0.003583251	0.007507764
-1.00	0.174	0.000	0.174	0.394	0.005937959	0.013445722
-0.75	0.245	0.000	0.245	0.639	0.008360919	0.021806641
-0.50	0.417	0.000	0.417	1.056	0.014230625	0.036037266
-0.25	0.653	0.018	0.635	1.691	0.021670136	0.057707402
0.00	0.832	0.055	0.777	2.468	0.026516056	0.084223458
0.25	1.466	0.202	1.264	3.732	0.043135515	0.127358973
0.50	2.278	0.577	1.701	5.433	0.058048664	0.185407637
0.75	3.661	1.537	2.124	7.557	0.072484046	0.257891683
1.00	7.437	4.348	3.089	10.646	0.105415828	0.363307511
1.25	13.180	8.482	4.698	15.344	0.160324881	0.523632393
1.50	13.780	9.889	3.891	19.235	0.132785039	0.656417432
1.75	18.620	12.862	5.758	24.993	0.196498652	0.852916084
2.00	10.745	7.924	2.821	27.814	0.096270006	0.949186090
2.25	6.176	5.152	1.024	28.838	0.034945227	0.984131318
2.50	3.797	3.546	0.251	29.089	0.008565676	0.992696993
2.75	2.775	2.691	0.084	29.173	0.002866601	0.995563594
3.00	1.437	1.344	0.093	29.266	0.003173736	0.998737331
3.25	0.428	0.399	0.029	29.295	0.000989660	0.999726990
3.50	0.059	0.057	0.002	29.297	0.000068252	0.999795243
3.75	0.018	0.016	0.002	29.299	0.000068252	0.999863495
4.00	0.012	0.010	0.002	29.301	0.000068252	0.999931748
PAN	0.012	0.010	0.002	29.303	0.000068252	1.0

TOTAL WT.	88.422	grams
CO3 WT	29.303	grams
% CARBONATE	33.14%	

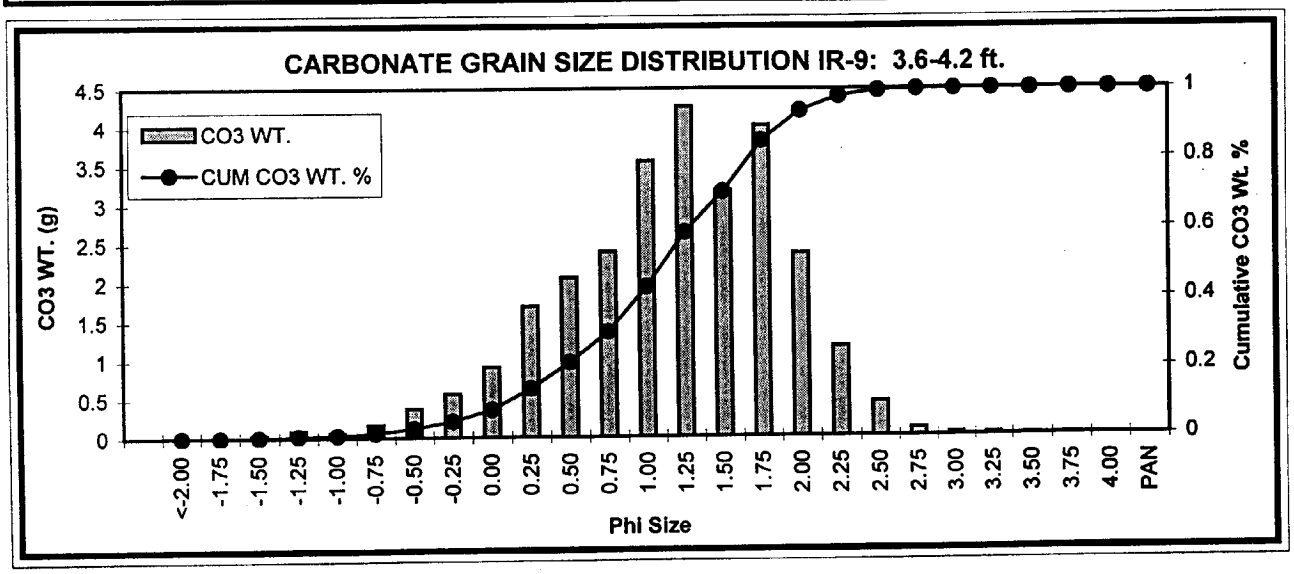


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-9: 3.6-4.2 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.034	0.000	0.034	0.034	0.001233314	0.001233314
-1.25	0.087	0.000	0.087	0.121	0.003155833	0.004389147
-1.00	0.063	0.000	0.063	0.184	0.002285258	0.006674405
-0.75	0.167	0.000	0.167	0.351	0.006057748	0.012732153
-0.50	0.380	0.000	0.380	0.731	0.013784098	0.026516251
-0.25	0.573	0.009	0.564	1.295	0.020458503	0.046974753
0.00	0.947	0.033	0.914	2.209	0.033154382	0.080129135
0.25	1.913	0.218	1.695	3.904	0.061484330	0.141613465
0.50	2.947	0.881	2.066	5.970	0.074941962	0.216555427
0.75	4.600	2.202	2.398	8.368	0.086984910	0.303540337
1.00	8.490	4.929	3.561	11.929	0.129171503	0.432711840
1.25	13.215	8.944	4.271	16.200	0.154926001	0.587637841
1.50	11.966	8.783	3.183	19.383	0.115459954	0.703097795
1.75	16.494	12.473	4.021	23.404	0.145857516	0.848955311
2.00	9.929	7.555	2.374	25.778	0.086114335	0.935069646
2.25	4.723	3.550	1.173	26.951	0.042549333	0.977618979
2.50	1.559	1.114	0.445	27.396	0.016141904	0.993760882
2.75	0.673	0.574	0.099	27.495	0.003591120	0.997352002
3.00	0.454	0.426	0.028	27.523	0.001015670	0.998367673
3.25	0.231	0.209	0.022	27.545	0.000798027	0.999165699
3.50	0.086	0.078	0.008	27.553	0.000290192	0.999455891
3.75	0.047	0.036	0.011	27.564	0.000399013	0.999854904
4.00	0.025	0.023	0.002	27.566	0.000072548	0.999927452
PAN	0.028	0.026	0.002	27.568	0.000072548	1.0

TOTAL WT.	79.631	grams
CO3 WT	27.568	grams
% CARBONATE	34.62%	

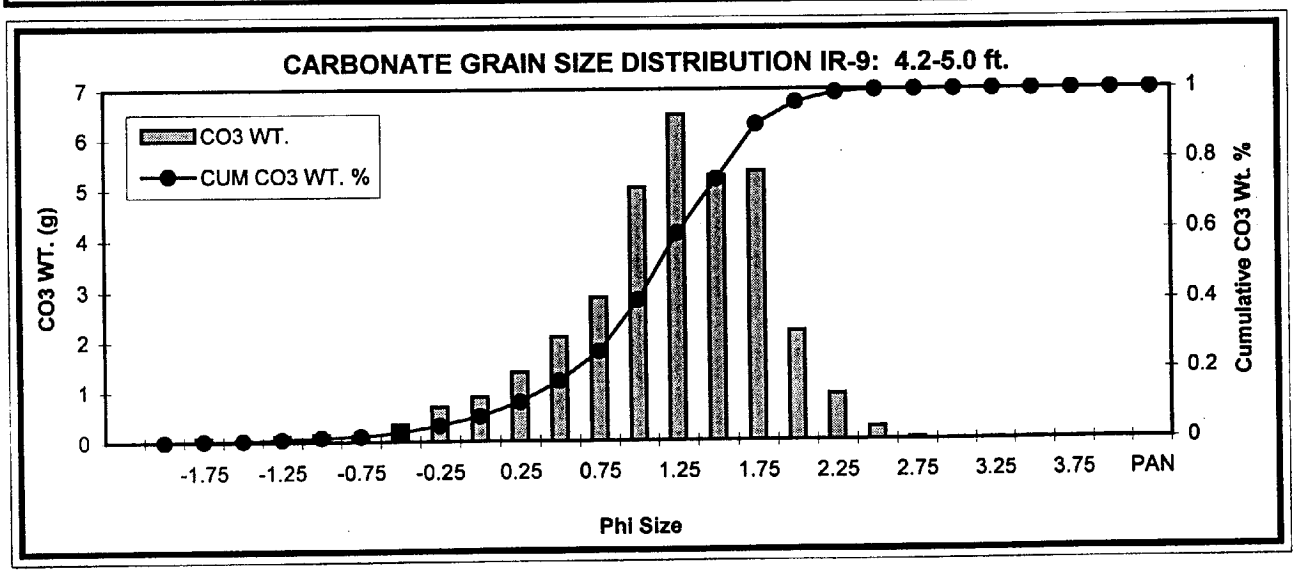


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-9: 4.2-5.0 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.082	0.000	0.082	0.082	0.002385732	0.002385732
-1.50	0.038	0.000	0.038	0.120	0.001105583	0.003491315
-1.25	0.123	0.000	0.123	0.243	0.003578598	0.007069914
-1.00	0.154	0.000	0.154	0.397	0.004480521	0.011550435
-0.75	0.131	0.000	0.131	0.528	0.003811353	0.015361788
-0.50	0.338	0.001	0.337	0.865	0.009804777	0.025166565
-0.25	0.701	0.008	0.693	1.558	0.020162346	0.045328911
0.00	0.940	0.050	0.890	2.448	0.025893922	0.071222833
0.25	1.687	0.309	1.378	3.826	0.040091938	0.111314771
0.50	2.721	0.640	2.081	5.907	0.060545227	0.171859998
0.75	4.858	1.992	2.866	8.773	0.083384248	0.255244247
1.00	11.539	6.503	5.036	13.809	0.146518868	0.401763114
1.25	21.965	15.478	6.487	20.296	0.188734689	0.590497803
1.50	18.475	13.197	5.278	25.574	0.153559687	0.744057490
1.75	22.137	16.778	5.359	30.933	0.155916325	0.899973815
2.00	10.104	7.914	2.190	33.123	0.063716505	0.963690320
2.25	3.785	2.860	0.925	34.048	0.026912223	0.990602543
2.50	0.908	0.644	0.264	34.312	0.007680894	0.998283437
2.75	0.324	0.293	0.031	34.343	0.000901923	0.999185360
3.00	0.239	0.232	0.007	34.350	0.000203660	0.999389020
3.25	0.139	0.131	0.008	34.358	0.000232754	0.999621774
3.50	0.065	0.061	0.004	34.362	0.000116377	0.999738151
3.75	0.045	0.042	0.003	34.365	0.000087283	0.999825434
4.00	0.028	0.024	0.004	34.369	0.000116377	0.999941811
PAN	0.033	0.031	0.002	34.371	0.000058189	1.0

TOTAL WT.	101.559	grams
CO3 WT	34.371	grams
% CARBONATE	33.84%	

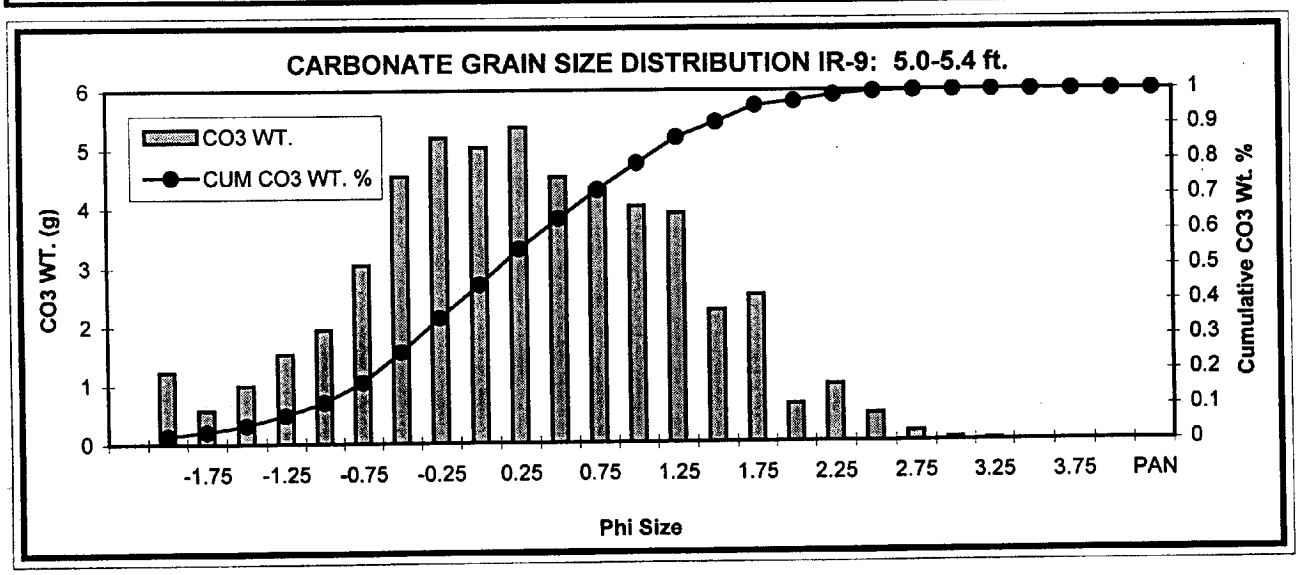


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-9: 5.0-5.4 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.224	0.000	1.224	1.224	0.022937241	0.022937241
-1.75	0.572	0.000	0.572	1.796	0.010719038	0.033656279
-1.50	0.996	0.000	0.996	2.792	0.018664618	0.052320897
-1.25	1.524	0.000	1.524	4.316	0.028559114	0.080880010
-1.00	1.966	0.026	1.940	6.256	0.036354778	0.117234788
-0.75	3.065	0.026	3.039	9.295	0.056949572	0.174184360
-0.50	4.705	0.158	4.547	13.842	0.085208853	0.259393213
-0.25	5.577	0.372	5.205	19.047	0.097539494	0.356932706
0.00	6.027	0.993	5.034	24.081	0.094335026	0.451267732
0.25	7.357	1.986	5.371	29.452	0.100650263	0.551917996
0.50	7.810	3.280	4.530	33.982	0.084890280	0.636808275
0.75	9.025	4.690	4.335	38.317	0.081236062	0.718044338
1.00	10.945	6.913	4.032	42.349	0.075557971	0.793602309
1.25	11.947	8.037	3.910	46.259	0.073271743	0.866874051
1.50	9.370	7.115	2.255	48.514	0.042257744	0.909131795
1.75	11.486	8.973	2.513	51.027	0.047092555	0.956224350
2.00	6.400	5.757	0.643	51.670	0.012049547	0.968273898
2.25	4.011	3.035	0.976	52.646	0.018289826	0.986563724
2.50	1.541	1.066	0.475	53.121	0.008901299	0.995465023
2.75	0.592	0.431	0.161	53.282	0.003017072	0.998482094
3.00	0.353	0.304	0.049	53.331	0.000918239	0.999400334
3.25	0.241	0.217	0.024	53.355	0.000449750	0.999850083
3.50	0.115	0.113	0.002	53.357	0.000037479	0.999887563
3.75	0.093	0.091	0.002	53.359	0.000037479	0.999925042
4.00	0.053	0.051	0.002	53.361	0.000037479	0.999962521
PAN	0.065	0.063	0.002	53.363	0.000037479	1.0

TOTAL WT.	107.060	grams
CO3 WT	53.363	grams
% CARBONATE	49.84%	

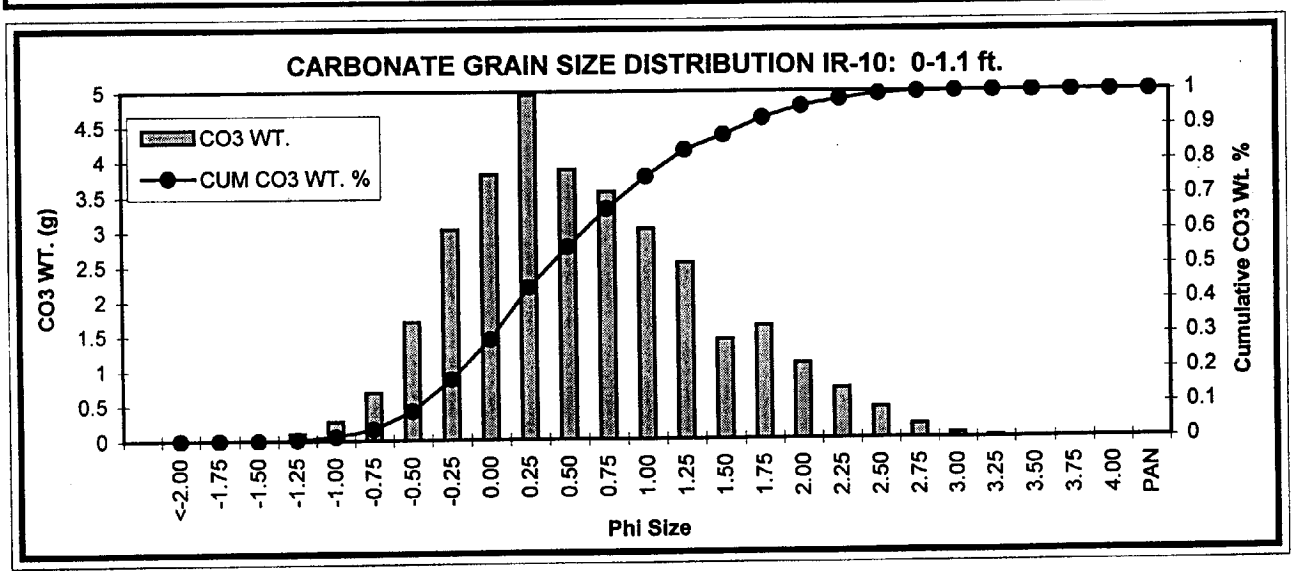


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-10: 0-1.1 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.130	0.034	0.096	0.096	0.002896627	0.002896627
-1.00	0.271	0.000	0.271	0.367	0.008176936	0.011073562
-0.75	0.678	0.000	0.678	1.045	0.020457426	0.031530988
-0.50	1.785	0.086	1.699	2.744	0.051264257	0.082795245
-0.25	3.242	0.215	3.027	5.771	0.091334259	0.174129503
0.00	4.395	0.582	3.813	9.584	0.115050389	0.289179893
0.25	6.546	1.592	4.954	14.538	0.149478004	0.438657896
0.50	6.229	2.348	3.881	18.419	0.117102166	0.555760063
0.75	6.499	2.934	3.565	21.984	0.107567437	0.663327500
1.00	7.114	4.087	3.027	25.011	0.091334259	0.754661758
1.25	6.755	4.215	2.540	27.551	0.076639913	0.831301672
1.50	5.046	3.615	1.431	28.982	0.043177841	0.874479512
1.75	6.855	5.229	1.626	30.608	0.049061614	0.923541126
2.00	5.421	4.336	1.085	31.693	0.032737916	0.956279042
2.25	3.989	3.266	0.723	32.416	0.021815219	0.978094261
2.50	2.133	1.694	0.439	32.855	0.013246032	0.991340293
2.75	0.964	0.768	0.196	33.051	0.005913946	0.997254239
3.00	0.616	0.550	0.066	33.117	0.001991431	0.999245670
3.25	0.465	0.446	0.019	33.136	0.000573291	0.999818961
3.50	0.226	0.226	0.000	33.136	0.000000000	0.999818961
3.75	0.108	0.106	0.002	33.138	0.000060346	0.999879307
4.00	0.050	0.048	0.002	33.140	0.000060346	0.999939654
PAN	0.035	0.033	0.002	33.142	0.000060346	1.0

TOTAL WT.	69.552	grams
CO3 WT	33.142	grams
% CARBONATE	47.65%	

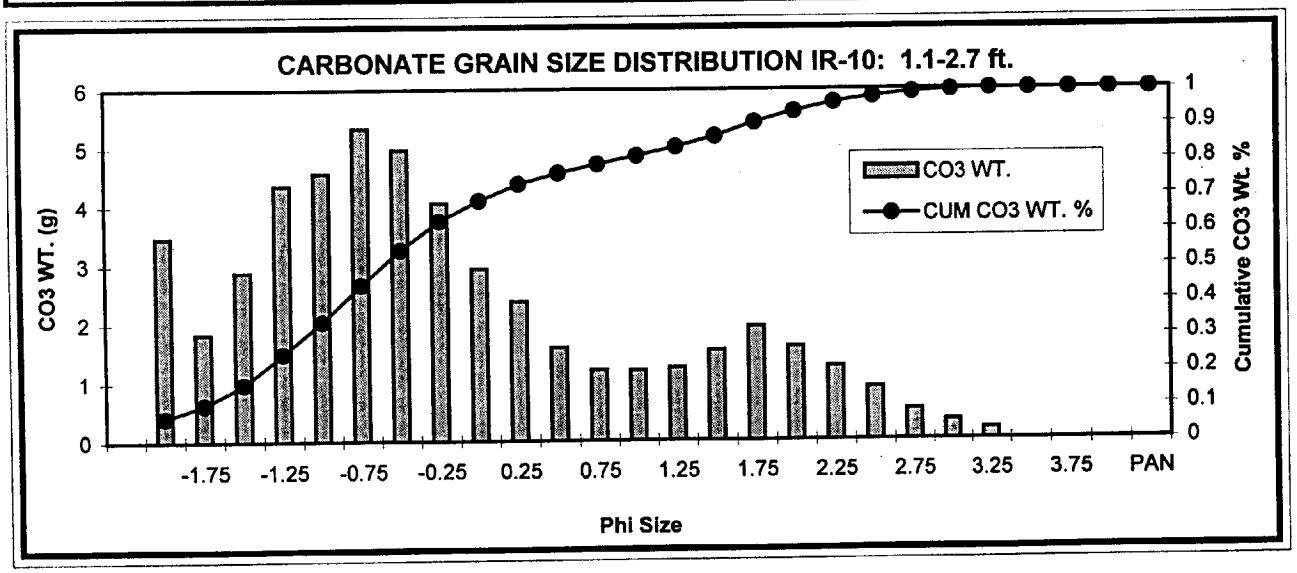


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-10: 1.1-2.7 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	3.472	0.000	3.472	3.472	0.068938130	0.068938130
-1.75	1.833	0.000	1.833	5.305	0.036395044	0.105333174
-1.50	2.883	0.001	2.882	8.187	0.057223414	0.162556588
-1.25	4.363	0.000	4.363	12.550	0.086629338	0.249185926
-1.00	4.603	0.033	4.570	17.120	0.090739417	0.339925343
-0.75	5.371	0.029	5.342	22.462	0.106067826	0.445993170
-0.50	5.143	0.174	4.969	27.431	0.098661743	0.544654912
-0.25	4.340	0.276	4.064	31.495	0.080692558	0.625347470
0.00	3.325	0.390	2.935	34.430	0.058275753	0.683623223
0.25	3.037	0.655	2.382	36.812	0.047295687	0.730918910
0.50	2.382	0.788	1.594	38.406	0.031649591	0.762568501
0.75	2.289	1.079	1.210	39.616	0.024025097	0.786593599
1.00	2.829	1.629	1.200	40.816	0.023826543	0.810420141
1.25	3.731	2.483	1.248	42.064	0.024779604	0.835199746
1.50	4.731	3.186	1.545	43.609	0.030676674	0.865876420
1.75	8.552	6.607	1.945	45.554	0.038618855	0.904495274
2.00	7.713	6.113	1.600	47.154	0.031768724	0.936263998
2.25	6.177	4.914	1.263	48.417	0.025077436	0.961341434
2.50	3.839	2.933	0.906	49.323	0.017989040	0.979330474
2.75	2.321	1.798	0.523	49.846	0.010384402	0.989714876
3.00	2.014	1.683	0.331	50.177	0.006572155	0.996287030
3.25	1.850	1.671	0.179	50.356	0.003554126	0.999841156
3.50	0.961	0.959	0.002	50.358	0.000039711	0.999880867
3.75	0.413	0.411	0.002	50.360	0.000039711	0.999920578
4.00	0.056	0.054	0.002	50.362	0.000039711	0.999960289
PAN	0.040	0.038	0.002	50.364	0.000039711	1.0

TOTAL WT.	88.268	grams
CO3 WT	50.364	grams
% CARBONATE	57.06%	

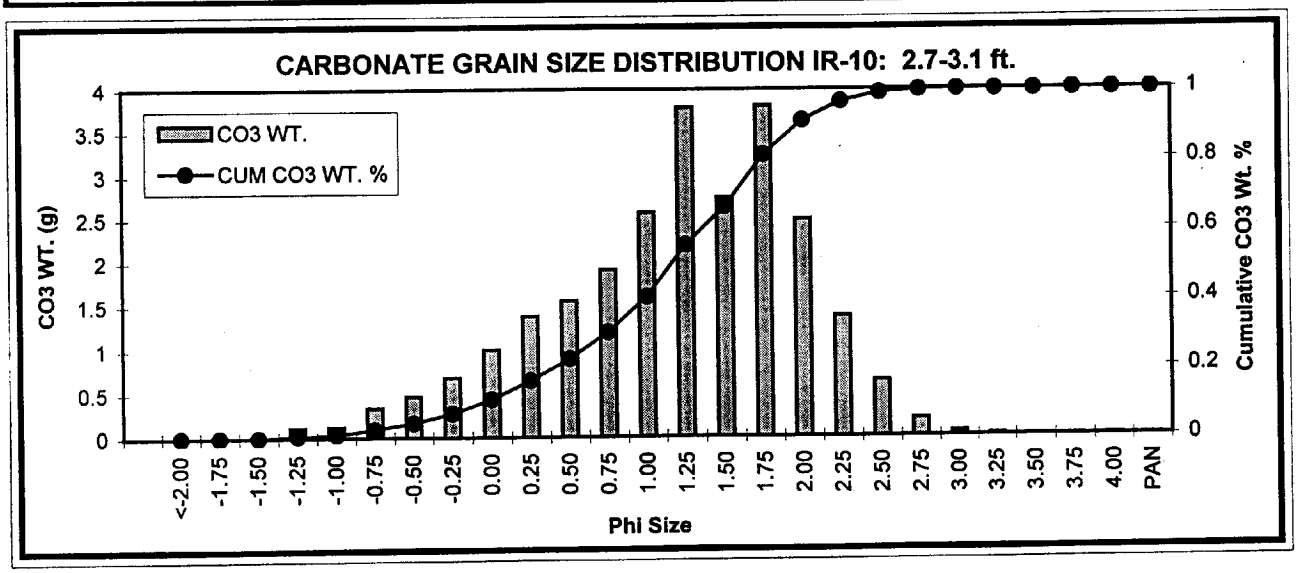


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-10: 2.7-3.1 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.040	0.033	0.007	0.007	0.000276069	0.000276069
-1.50	0.047	0.039	0.008	0.015	0.000315507	0.000591576
-1.25	0.117	0.000	0.117	0.132	0.004614292	0.005205868
-1.00	0.127	0.000	0.127	0.259	0.005008676	0.010214545
-0.75	0.342	0.000	0.342	0.601	0.013487932	0.023702477
-0.50	0.523	0.050	0.473	1.074	0.018654362	0.042356839
-0.25	0.712	0.025	0.687	1.761	0.027094179	0.069451018
0.00	1.107	0.105	1.002	2.763	0.039517274	0.108968292
0.25	1.752	0.366	1.386	4.149	0.054661619	0.163629910
0.50	2.345	0.781	1.564	5.713	0.061681653	0.225311563
0.75	3.583	1.659	1.924	7.637	0.075879476	0.301191040
1.00	6.595	4.023	2.572	10.209	0.101435558	0.402626597
1.25	10.338	6.549	3.789	13.998	0.149432087	0.552058684
1.50	10.348	7.599	2.749	16.747	0.108416154	0.660474838
1.75	15.763	11.958	3.805	20.552	0.150063101	0.810537940
2.00	11.055	8.560	2.495	23.047	0.098398801	0.908936741
2.25	6.520	5.132	1.388	24.435	0.054740495	0.963677236
2.50	2.539	1.897	0.642	25.077	0.025319451	0.988996687
2.75	0.849	0.651	0.198	25.275	0.007808803	0.996805490
3.00	0.458	0.411	0.047	25.322	0.001853605	0.998659094
3.25	0.300	0.281	0.019	25.341	0.000749330	0.999408424
3.50	0.115	0.113	0.002	25.343	0.000078877	0.999487301
3.75	0.055	0.051	0.004	25.347	0.000157754	0.999645054
4.00	0.027	0.020	0.007	25.354	0.000276069	0.999921123
PAN	0.022	0.020	0.002	25.356	0.000078877	1.0

TOTAL WT.	75.679	grams
CO3 WT	25.356	grams
% CARBONATE	33.50%	

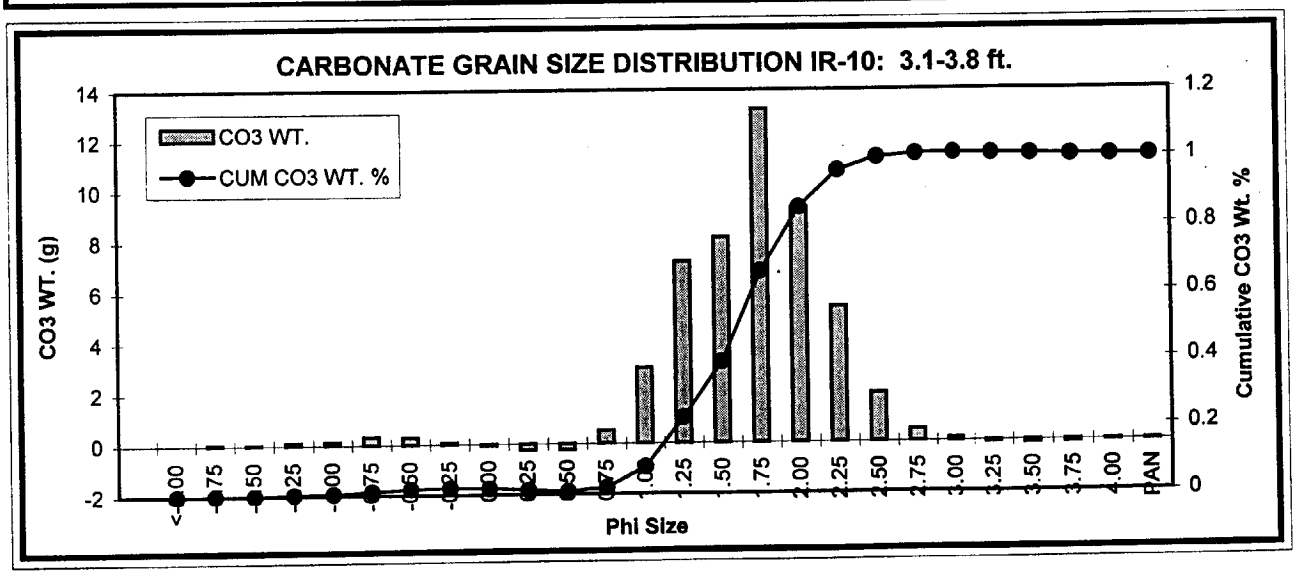


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-10: 3.1-3.8 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.040	0.000	0.040	0.040	0.000812150	0.000812150
-1.50	0.047	0.026	0.021	0.061	0.000426379	0.001238528
-1.25	0.117	0.000	0.117	0.178	0.002375538	0.003614066
-1.00	0.127	0.000	0.127	0.305	0.002578575	0.006192642
-0.75	0.342	0.012	0.330	0.635	0.006700236	0.012892877
-0.50	0.523	0.241	0.282	0.917	0.005725656	0.018618533
-0.25	0.712	0.653	0.059	0.976	0.001197921	0.019816454
0.00	1.107	1.172	-0.065	0.911	-0.001319743	0.018496711
0.25	1.752	1.997	-0.245	0.666	-0.004974417	0.013522294
0.50	2.345	2.588	-0.243	0.423	-0.004933810	0.008588484
0.75	3.583	3.056	0.527	0.950	0.010700073	0.019288557
1.00	6.595	3.605	2.990	3.940	0.060708195	0.079996751
1.25	10.338	3.145	7.193	11.133	0.146044831	0.226041582
1.50	10.348	2.213	8.135	19.268	0.165170958	0.391212540
1.75	15.763	2.545	13.218	32.486	0.268374888	0.659587428
2.00	11.055	1.756	9.299	41.785	0.188804516	0.848391943
2.25	6.520	1.150	5.370	47.155	0.109031105	0.957423049
2.50	2.539	0.608	1.931	49.086	0.039206530	0.996629578
2.75	0.849	0.382	0.467	49.553	0.009481848	1.006111427
3.00	0.458	0.362	0.096	49.649	0.001949159	1.008060586
3.25	0.300	0.389	-0.089	49.560	-0.001807033	1.006253553
3.50	0.115	0.240	-0.125	49.435	-0.002537968	1.003715585
3.75	0.055	0.168	-0.113	49.322	-0.002294323	1.001421262
4.00	0.027	0.062	-0.035	49.287	-0.000710631	1.000710631
PAN	0.022	0.057	-0.035	49.252	-0.000710631	1.0

TOTAL WT.	75.679	grams
CO3 WT	49.252	grams
% CARBONATE	65.08%	

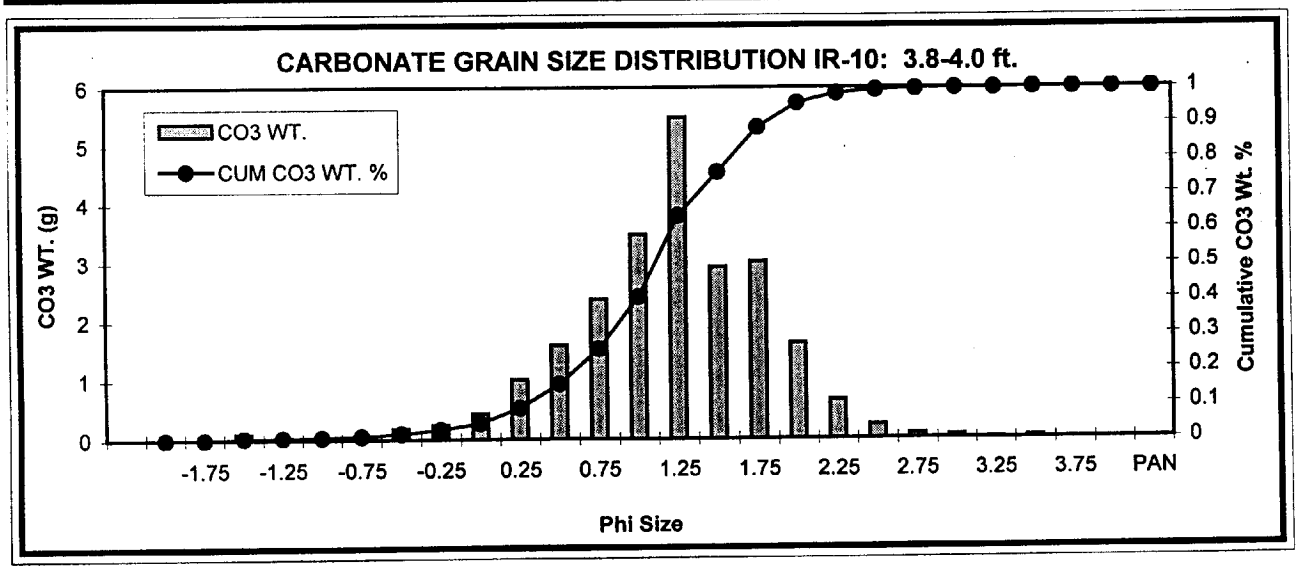


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-10: 3.8-4.0 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.105	0.000	0.105	0.105	0.004426458	0.004426458
-1.25	0.036	0.000	0.036	0.141	0.001517643	0.005944100
-1.00	0.005	0.000	0.005	0.146	0.000210784	0.006154884
-0.75	0.066	0.000	0.066	0.212	0.002782345	0.008937229
-0.50	0.188	0.000	0.188	0.400	0.007925467	0.016862696
-0.25	0.255	0.008	0.247	0.647	0.010412714	0.027275410
0.00	0.477	0.037	0.440	1.087	0.018548965	0.045824375
0.25	1.127	0.114	1.013	2.100	0.042704776	0.088529151
0.50	2.175	0.570	1.605	3.705	0.067661566	0.156190717
0.75	4.407	2.025	2.382	6.087	0.100417352	0.256608069
1.00	9.384	5.895	3.489	9.576	0.147084862	0.403692930
1.25	15.356	9.870	5.486	15.062	0.231271869	0.634964799
1.50	11.934	9.007	2.927	17.989	0.123392774	0.758357573
1.75	13.482	10.455	3.027	21.016	0.127608448	0.885966022
2.00	7.054	5.423	1.631	22.647	0.068757641	0.954723663
2.25	3.150	2.492	0.658	23.305	0.027739134	0.982462797
2.50	1.000	0.762	0.238	23.543	0.010033304	0.992496101
2.75	0.354	0.271	0.083	23.626	0.003499009	0.995995110
3.00	0.250	0.203	0.047	23.673	0.001981367	0.997976477
3.25	0.172	0.160	0.012	23.685	0.000505881	0.998482357
3.50	0.109	0.079	0.030	23.715	0.001264702	0.999747060
3.75	0.043	0.041	0.002	23.717	0.000084313	0.999831373
4.00	0.030	0.028	0.002	23.719	0.000084313	0.999915687
PAN	0.005	0.003	0.002	23.721	0.000084313	1.0

TOTAL WT.	71.164	grams
CO3 WT	23.721	grams
% CARBONATE	33.33%	

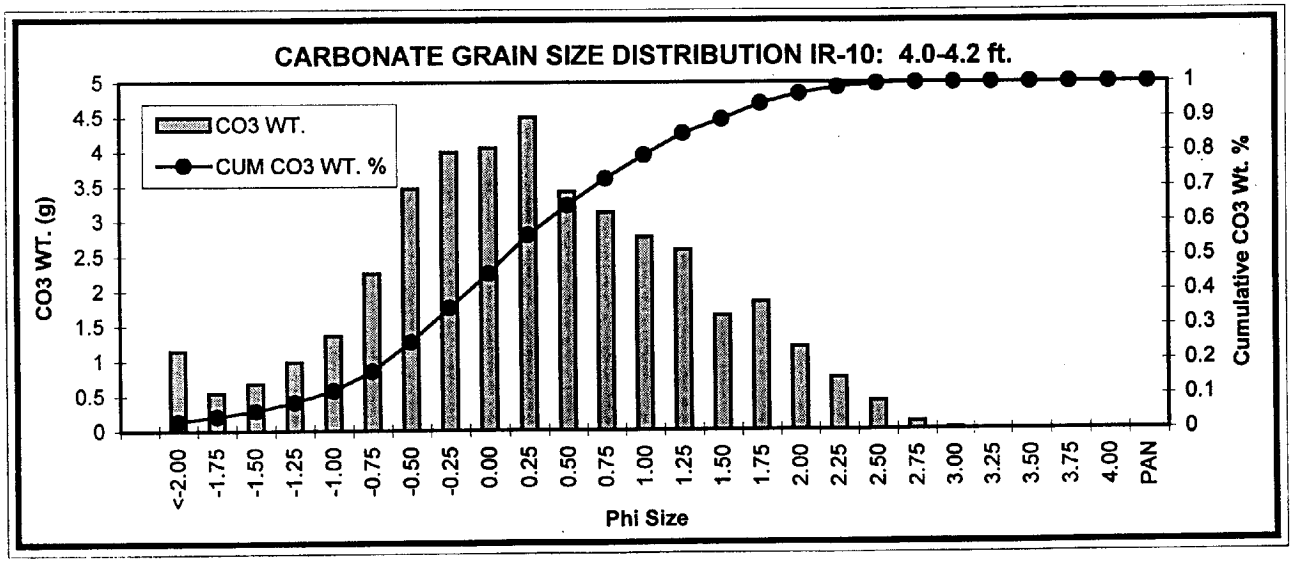


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-10: 4.0-4.2 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.141	0.000	1.141	1.141	0.027883675	0.027883675
-1.75	0.545	0.000	0.545	1.686	0.013318671	0.041202346
-1.50	0.673	0.000	0.673	2.359	0.016446725	0.057649071
-1.25	0.990	0.000	0.990	3.349	0.024193548	0.081842620
-1.00	1.368	0.000	1.368	4.717	0.033431085	0.115273705
-0.75	2.262	0.000	2.262	6.979	0.055278592	0.170552297
-0.50	3.578	0.106	3.472	10.451	0.084848485	0.255400782
-0.25	4.340	0.343	3.997	14.448	0.097678397	0.353079179
0.00	4.696	0.637	4.059	18.507	0.099193548	0.452272727
0.25	5.955	1.453	4.502	23.009	0.110019550	0.562292278
0.50	5.517	2.098	3.419	26.428	0.083553275	0.645845552
0.75	6.008	2.880	3.128	29.556	0.076441838	0.722287390
1.00	7.030	4.252	2.778	32.334	0.067888563	0.790175953
1.25	7.331	4.741	2.590	34.924	0.063294233	0.853470186
1.50	6.073	4.423	1.650	36.574	0.040322581	0.893792766
1.75	8.247	6.404	1.843	38.417	0.045039101	0.938831867
2.00	5.745	4.548	1.197	39.614	0.029252199	0.968084066
2.25	3.529	2.777	0.752	40.366	0.018377322	0.986461388
2.50	1.465	1.056	0.409	40.775	0.009995112	0.996456500
2.75	0.517	0.404	0.113	40.888	0.002761486	0.999217986
3.00	0.294	0.273	0.021	40.909	0.000513196	0.999731183
3.25	0.192	0.189	0.003	40.912	0.000073314	0.999804497
3.50	0.091	0.089	0.002	40.914	0.000048876	0.999853372
3.75	0.058	0.056	0.002	40.916	0.000048876	0.999902248
4.00	0.024	0.022	0.002	40.918	0.000048876	0.999951124
PAN	0.026	0.024	0.002	40.920	0.000048876	1.0

TOTAL WT.	77.695	grams
CO3 WT	40.920	grams
% CARBONATE	52.67%	

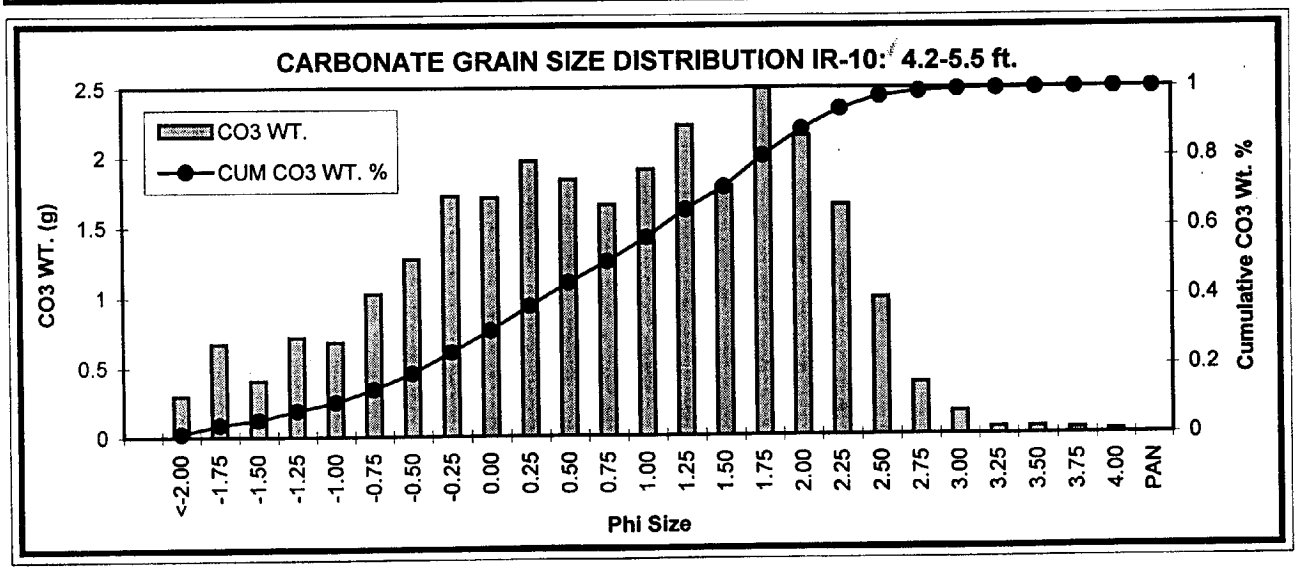


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-10: 4.2-5.5 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.295	0.000	0.295	0.295	0.010578026	0.010578026
-1.75	0.672	0.000	0.672	0.967	0.024096386	0.034674412
-1.50	0.404	0.000	0.404	1.371	0.014486517	0.049160929
-1.25	0.724	0.009	0.715	2.086	0.025638267	0.074799197
-1.00	0.679	0.000	0.679	2.765	0.024347390	0.099146586
-0.75	1.042	0.016	1.026	3.791	0.036790017	0.135936604
-0.50	1.366	0.092	1.274	5.065	0.045682731	0.181619334
-0.25	1.824	0.101	1.723	6.788	0.061782846	0.243402180
0.00	1.957	0.247	1.710	8.498	0.061316695	0.304718876
0.25	2.582	0.609	1.973	10.471	0.070747275	0.375466150
0.50	2.975	1.135	1.840	12.311	0.065978199	0.441444349
0.75	3.697	2.041	1.656	13.967	0.059380379	0.500824727
1.00	5.509	3.598	1.911	15.878	0.068524096	0.569348824
1.25	6.945	4.720	2.225	18.103	0.079783419	0.649132243
1.50	6.941	5.149	1.792	19.895	0.064257028	0.713389271
1.75	11.535	9.043	2.492	22.387	0.089357430	0.802746701
2.00	10.756	8.603	2.153	24.540	0.077201664	0.879948365
2.25	8.626	6.969	1.657	26.197	0.059416236	0.939364601
2.50	4.285	3.294	0.991	27.188	0.035534997	0.974899598
2.75	1.558	1.181	0.377	27.565	0.013518359	0.988417958
3.00	0.900	0.735	0.165	27.730	0.005916523	0.994334481
3.25	0.701	0.654	0.047	27.777	0.001685313	0.996019793
3.50	0.396	0.349	0.047	27.824	0.001685313	0.997705106
3.75	0.252	0.215	0.037	27.861	0.001326736	0.999031842
4.00	0.079	0.054	0.025	27.886	0.000896443	0.999928285
PAN	0.040	0.038	0.002	27.888	0.000071715	1.0

TOTAL WT.	76.740	grams
CO3 WT	27.888	grams
% CARBONATE	36.34%	

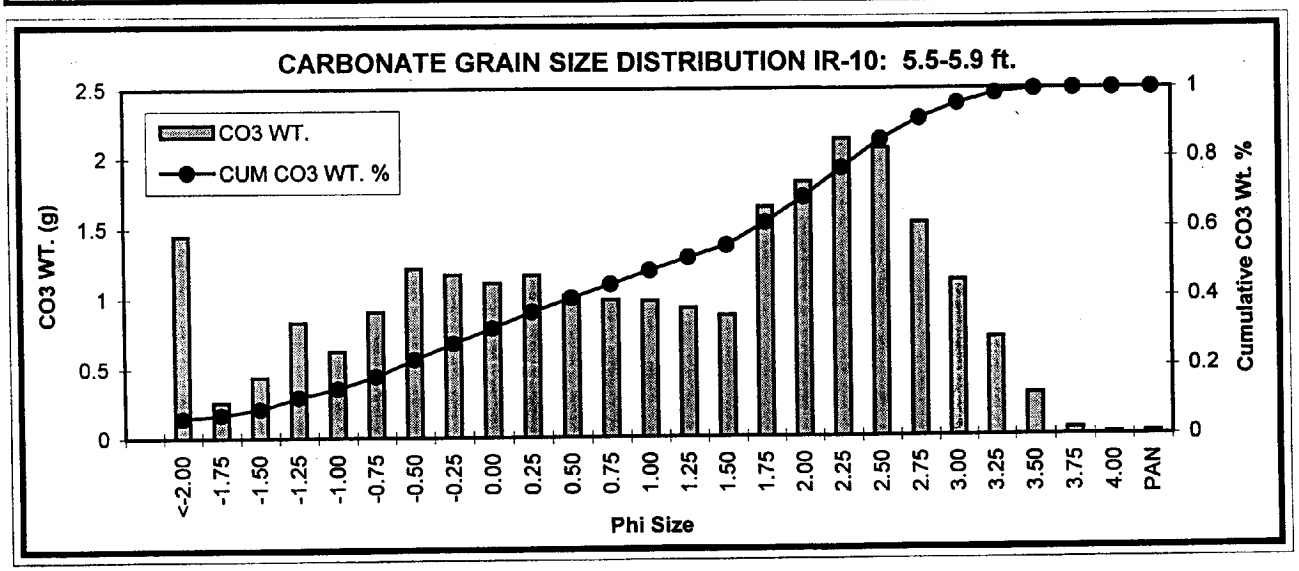


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-10: 5.5-5.9 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.449	0.000	1.449	1.449	0.057060723	0.057060723
-1.75	0.257	0.000	0.257	1.706	0.010120501	0.067181224
-1.50	0.440	0.000	0.440	2.146	0.017326928	0.084508152
-1.25	0.832	0.000	0.832	2.978	0.032763645	0.117271796
-1.00	0.626	0.001	0.625	3.603	0.024612113	0.141883910
-0.75	0.913	0.008	0.905	4.508	0.035638340	0.177522249
-0.50	1.316	0.103	1.213	5.721	0.047767189	0.225289438
-0.25	1.253	0.083	1.170	6.891	0.046073876	0.271363314
0.00	1.303	0.192	1.111	8.002	0.043750492	0.315113806
0.25	1.624	0.460	1.164	9.166	0.045837599	0.360951406
0.50	1.725	0.704	1.021	10.187	0.040206348	0.401157754
0.75	1.973	0.984	0.989	11.176	0.038946208	0.440103962
1.00	2.612	1.629	0.983	12.159	0.038709931	0.478813893
1.25	3.086	2.157	0.929	13.088	0.036583445	0.515397338
1.50	3.398	2.523	0.875	13.963	0.034456958	0.549854296
1.75	7.025	5.378	1.647	15.610	0.064857840	0.614712137
2.00	8.503	6.676	1.827	17.437	0.071946129	0.686658266
2.25	9.822	7.686	2.136	19.573	0.084114358	0.770772623
2.50	8.427	6.358	2.069	21.642	0.081475939	0.852248563
2.75	6.241	4.706	1.535	23.177	0.060447350	0.912695912
3.00	6.019	4.898	1.121	24.298	0.044144286	0.956840198
3.25	5.181	4.469	0.712	25.010	0.028038119	0.984878318
3.50	3.112	2.810	0.302	25.312	0.011892573	0.996770891
3.75	1.594	1.546	0.048	25.360	0.001890210	0.998661101
4.00	0.296	0.281	0.015	25.375	0.000590691	0.999251792
PAN	0.117	0.098	0.019	25.394	0.000748208	1.0

TOTAL WT.	79.144	grams
CO3 WT	25.394	grams
% CARBONATE	32.09%	

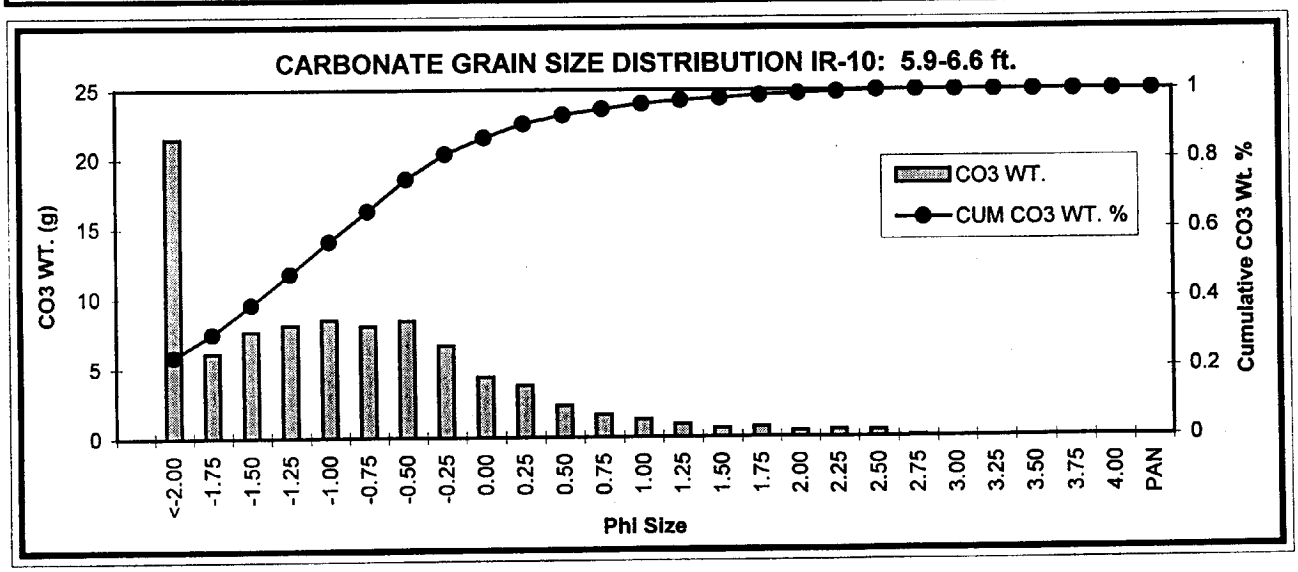


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-10: 5.9-6.6 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	21.460	0.000	21.460	21.460	0.233446104	0.233446104
-1.75	6.109	0.000	6.109	27.569	0.066454904	0.299901008
-1.50	7.676	0.000	7.676	35.245	0.083501039	0.383402047
-1.25	8.121	0.000	8.121	43.366	0.088341836	0.471743884
-1.00	8.496	0.000	8.496	51.862	0.092421160	0.564165044
-0.75	8.107	0.068	8.039	59.901	0.087449824	0.651614868
-0.50	8.773	0.346	8.427	68.328	0.091670565	0.743285433
-0.25	7.159	0.551	6.608	74.936	0.071883125	0.815168558
0.00	5.169	0.830	4.339	79.275	0.047200496	0.862369054
0.25	4.827	1.078	3.749	83.024	0.040782360	0.903151414
0.50	3.475	1.195	2.280	85.304	0.024802289	0.927953702
0.75	3.022	1.381	1.641	86.945	0.017851121	0.945804823
1.00	3.118	1.830	1.288	88.233	0.014011118	0.959815941
1.25	2.935	2.000	0.935	89.168	0.010171114	0.969987055
1.50	2.453	1.839	0.614	89.782	0.006679213	0.976666268
1.75	3.584	2.858	0.726	90.508	0.007897571	0.984563839
2.00	3.380	2.963	0.417	90.925	0.004536208	0.989100047
2.25	3.326	2.841	0.485	91.410	0.005275925	0.994375972
2.50	2.352	1.907	0.445	91.855	0.004840798	0.999216770
2.75	1.172	1.112	0.060	91.915	0.000652692	0.999869462
3.00	0.747	0.745	0.002	91.917	0.000021756	0.999891218
3.25	0.555	0.553	0.002	91.919	0.000021756	0.999912974
3.50	0.308	0.306	0.002	91.921	0.000021756	0.999934731
3.75	0.208	0.206	0.002	91.923	0.000021756	0.999956487
4.00	0.056	0.054	0.002	91.925	0.000021756	0.999978244
PAN	0.056	0.054	0.002	91.927	0.000021756	1.0

TOTAL WT.	116.644	grams
CO3 WT	91.927	grams
% CARBONATE	78.81%	

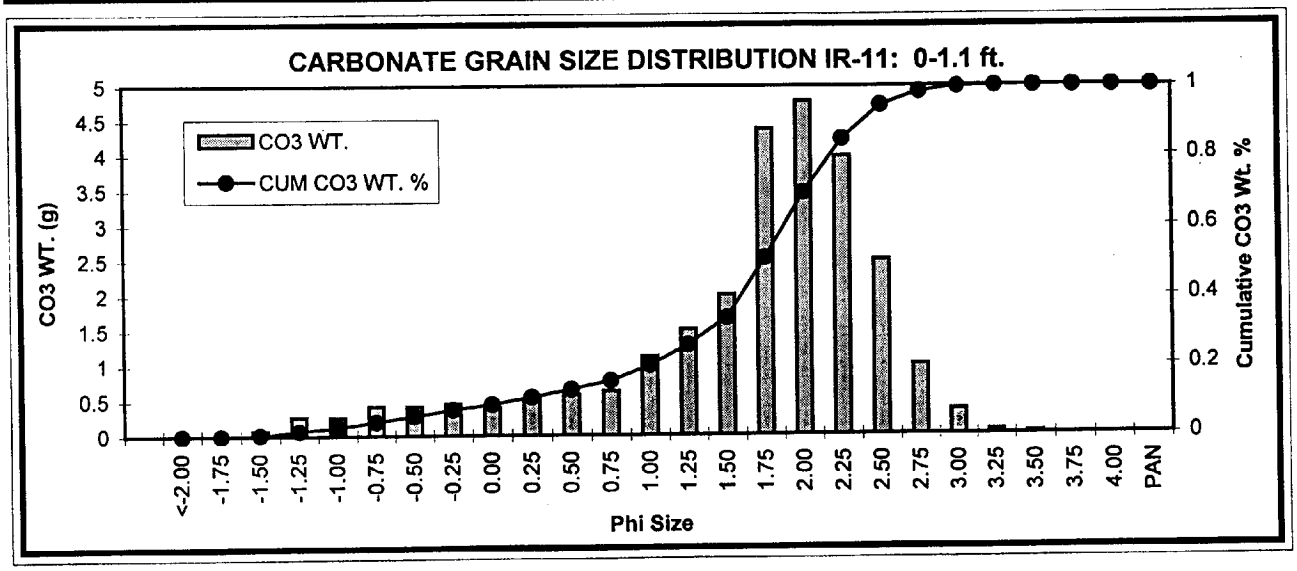


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-11: 0-1.1 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.077	0.000	0.077	0.077	0.002987739	0.002987739
-1.25	0.270	0.000	0.270	0.347	0.010476486	0.013464225
-1.00	0.260	0.000	0.260	0.607	0.010088468	0.023552693
-0.75	0.416	0.000	0.416	1.023	0.016141549	0.039694242
-0.50	0.420	0.000	0.420	1.443	0.016296756	0.055990998
-0.25	0.471	0.021	0.450	1.893	0.017460810	0.073451808
0.00	0.491	0.091	0.400	2.293	0.015520720	0.088972528
0.25	0.665	0.143	0.522	2.815	0.020254540	0.109227068
0.50	0.886	0.305	0.581	3.396	0.022543846	0.131770914
0.75	1.226	0.596	0.630	4.026	0.024445134	0.156216048
1.00	2.681	1.551	1.130	5.156	0.043846034	0.200062083
1.25	4.849	3.334	1.515	6.671	0.058784728	0.258846810
1.50	7.025	5.017	2.008	8.679	0.077914015	0.336760826
1.75	15.722	11.347	4.375	13.054	0.169757877	0.506518702
2.00	18.538	13.760	4.778	17.832	0.185395002	0.691913705
2.25	17.692	13.712	3.980	21.812	0.154431166	0.846344870
2.50	10.929	8.418	2.511	24.323	0.097431321	0.943776191
2.75	5.434	4.427	1.007	25.330	0.039073413	0.982849604
3.00	3.679	3.324	0.355	25.685	0.013774639	0.996624243
3.25	2.166	2.109	0.057	25.742	0.002211703	0.998835946
3.50	0.813	0.789	0.024	25.766	0.000931243	0.999767189
3.75	0.328	0.326	0.002	25.768	0.000077604	0.999844793
4.00	0.074	0.072	0.002	25.770	0.000077604	0.999922396
PAN	0.031	0.029	0.002	25.772	0.000077604	1.0

TOTAL WT.	95.143	grams
CO3 WT	25.772	grams
% CARBONATE	27.09%	

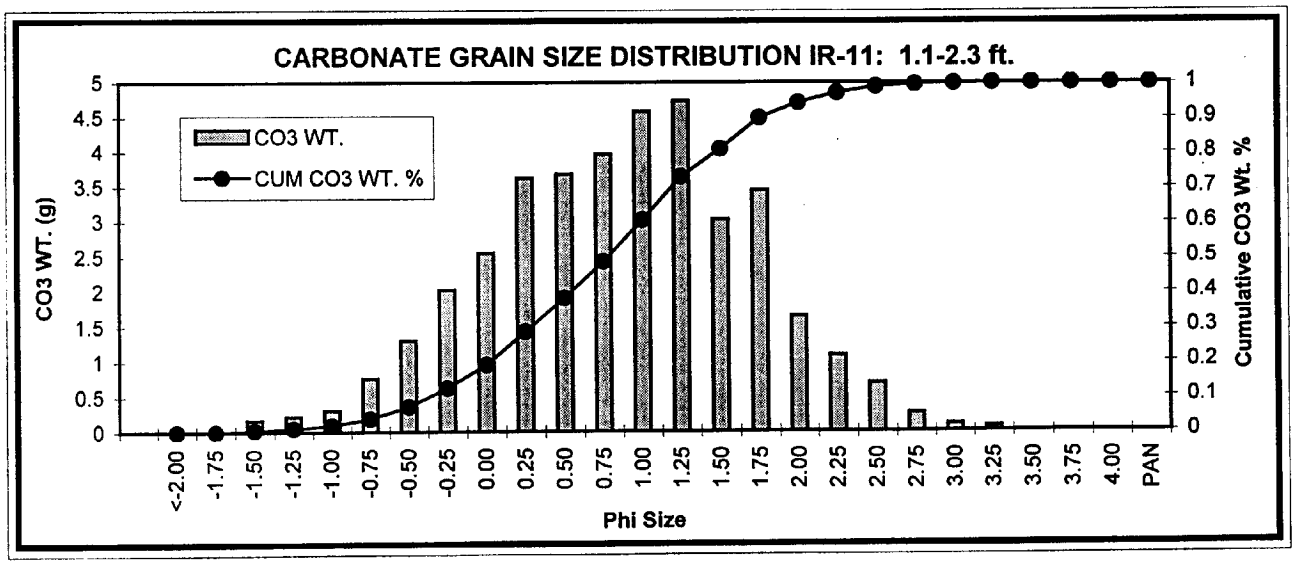


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-11: 1.1-2.3 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.172	0.000	0.172	0.172	0.004490627	0.004490627
-1.25	0.220	0.000	0.220	0.392	0.005743825	0.010234453
-1.00	0.303	0.000	0.303	0.695	0.007910814	0.018145267
-0.75	0.767	0.000	0.767	1.462	0.020025064	0.038170331
-0.50	1.302	0.000	1.302	2.764	0.033993003	0.072163334
-0.25	2.100	0.074	2.026	4.790	0.052895410	0.125058744
0.00	2.752	0.196	2.556	7.346	0.066732808	0.191791551
0.25	4.428	0.802	3.626	10.972	0.094668686	0.286460237
0.50	5.796	2.114	3.682	14.654	0.096130750	0.382590987
0.75	8.227	4.257	3.970	18.624	0.103649940	0.486240927
1.00	12.403	7.819	4.584	23.208	0.119680434	0.605921362
1.25	14.671	9.938	4.733	27.941	0.123570571	0.729491933
1.50	11.780	8.742	3.038	30.979	0.079317007	0.808808939
1.75	14.292	10.842	3.450	34.429	0.090073625	0.898882565
2.00	8.822	7.172	1.650	36.079	0.043078690	0.941961255
2.25	5.437	4.342	1.095	37.174	0.028588585	0.970549841
2.50	2.708	2.015	0.693	37.867	0.018093050	0.988642891
2.75	1.359	1.097	0.262	38.129	0.006840374	0.995483265
3.00	0.925	0.825	0.100	38.229	0.002610830	0.998094094
3.25	0.544	0.478	0.066	38.295	0.001723148	0.999817242
3.50	0.190	0.189	0.001	38.296	0.000026108	0.999843350
3.75	0.095	0.093	0.002	38.298	0.000052217	0.999895567
4.00	0.035	0.033	0.002	38.300	0.000052217	0.999947783
PAN	0.031	0.029	0.002	38.302	0.000052217	1.0

TOTAL WT.	99.359	grams
CO3 WT	38.302	grams
% CARBONATE	38.55%	

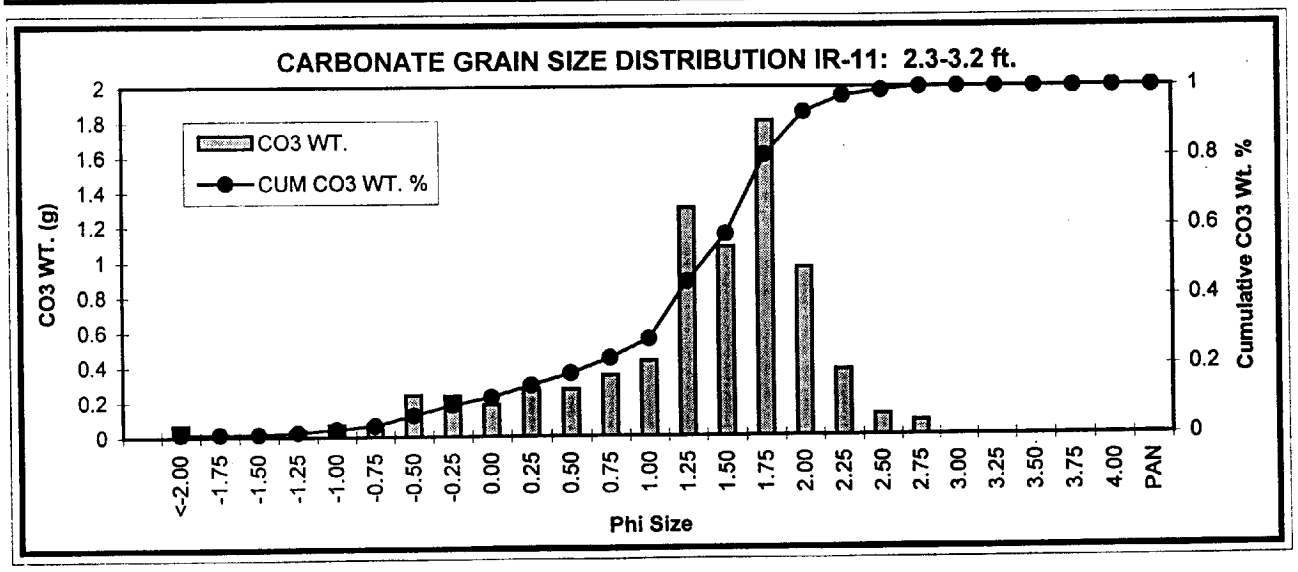


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-11: 2.3-3.2 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.067	0.000	0.067	0.067	0.008414971	0.008414971
-1.75	0.000	0.000	0.000	0.067	0.000000000	0.008414971
-1.50	0.000	0.000	0.000	0.067	0.000000000	0.008414971
-1.25	0.044	0.008	0.036	0.103	0.004521477	0.012936448
-1.00	0.069	0.000	0.069	0.172	0.008666164	0.021602612
-0.75	0.107	0.033	0.074	0.246	0.009294147	0.030896760
-0.50	0.338	0.101	0.237	0.483	0.029766390	0.060663150
-0.25	0.446	0.215	0.231	0.714	0.029012811	0.089675961
0.00	0.663	0.482	0.181	0.895	0.022732982	0.112408942
0.25	1.226	0.953	0.273	1.168	0.034287867	0.146696810
0.50	2.178	1.910	0.268	1.436	0.033659884	0.180356694
0.75	3.918	3.570	0.348	1.784	0.043707611	0.224064305
1.00	7.893	7.463	0.430	2.214	0.054006531	0.278070836
1.25	14.349	13.043	1.306	3.520	0.164029138	0.442099975
1.50	14.733	13.649	1.084	4.604	0.136146697	0.578246672
1.75	22.433	20.628	1.805	6.409	0.226701834	0.804948505
2.00	14.732	13.768	0.964	7.373	0.121075107	0.926023612
2.25	8.371	7.993	0.378	7.751	0.047475509	0.973499121
2.50	4.097	3.979	0.118	7.869	0.014820397	0.988319518
2.75	2.129	2.048	0.081	7.950	0.010173323	0.998492841
3.00	1.218	1.216	0.002	7.952	0.000251193	0.998744034
3.25	0.627	0.625	0.002	7.954	0.000251193	0.998995227
3.50	0.146	0.144	0.002	7.956	0.000251193	0.999246420
3.75	0.071	0.069	0.002	7.958	0.000251193	0.999497614
4.00	0.028	0.026	0.002	7.960	0.000251193	0.999748807
PAN	0.030	0.028	0.002	7.962	0.000251193	1.0

TOTAL WT.	99.913	grams
CO3 WT	7.962	grams
% CARBONATE	7.97%	

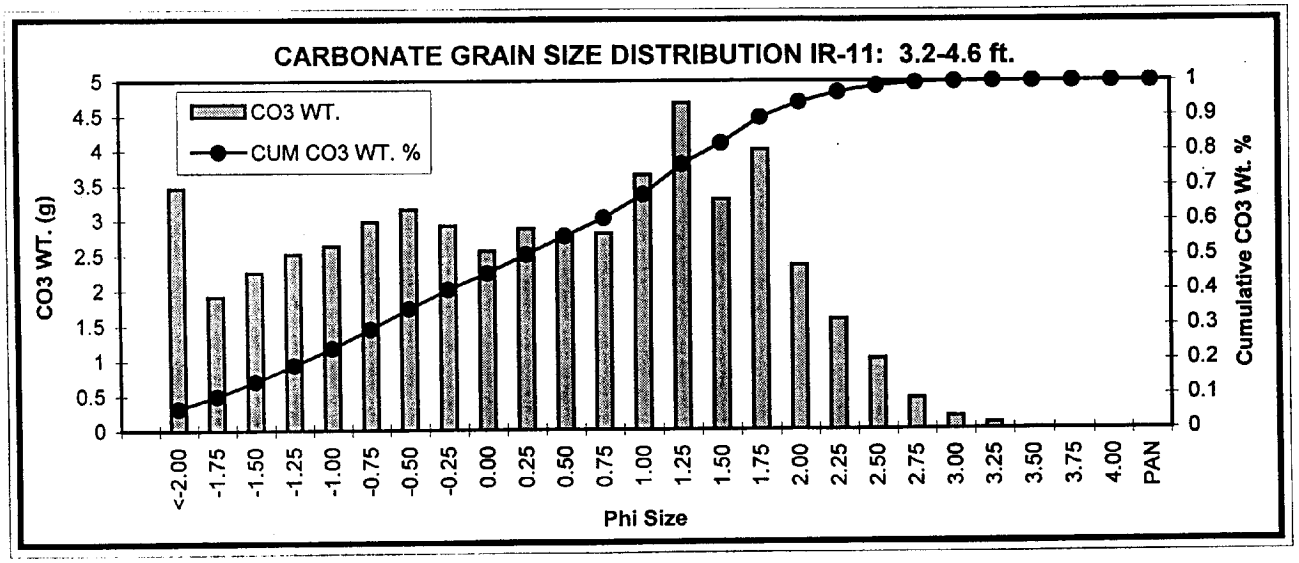


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-11: 3.2-4.6 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	3.463	0.000	3.463	3.463	0.063795295	0.063795295
-1.75	1.912	0.000	1.912	5.375	0.035222814	0.099018109
-1.50	2.256	0.000	2.256	7.631	0.041559973	0.140578082
-1.25	2.520	0.000	2.520	10.151	0.046423374	0.187001455
-1.00	2.636	0.000	2.636	12.787	0.048560323	0.235561778
-0.75	2.978	0.000	2.978	15.765	0.054860638	0.290422416
-0.50	3.240	0.088	3.152	18.917	0.058066061	0.348488477
-0.25	3.064	0.141	2.923	21.840	0.053847429	0.402335906
0.00	2.913	0.346	2.567	24.407	0.047289207	0.449625113
0.25	3.583	0.698	2.885	27.292	0.053147394	0.502772507
0.50	4.091	1.281	2.810	30.102	0.051765746	0.554538253
0.75	5.459	2.642	2.817	32.919	0.051894700	0.606432953
1.00	9.781	6.127	3.654	36.573	0.067313892	0.673746845
1.25	14.789	10.101	4.688	41.261	0.086362213	0.760109058
1.50	13.414	10.115	3.299	44.560	0.060774091	0.820883149
1.75	17.836	13.820	4.016	48.576	0.073982647	0.894865796
2.00	12.298	9.937	2.361	50.937	0.043494280	0.938360076
2.25	8.368	6.777	1.591	52.528	0.029309360	0.967669436
2.50	4.326	3.306	1.020	53.548	0.018790413	0.986459849
2.75	2.026	1.581	0.445	53.993	0.008197778	0.994657628
3.00	1.330	1.151	0.179	54.172	0.003297533	0.997955161
3.25	0.928	0.839	0.089	54.261	0.001639556	0.999594717
3.50	0.366	0.350	0.016	54.277	0.000294752	0.999889468
3.75	0.208	0.206	0.002	54.279	0.000036844	0.999926312
4.00	0.062	0.060	0.002	54.281	0.000036844	0.999963156
PAN	0.046	0.044	0.002	54.283	0.000036844	1.0

TOTAL WT.	123.893	grams
CO3 WT	54.283	grams
% CARBONATE	43.81%	

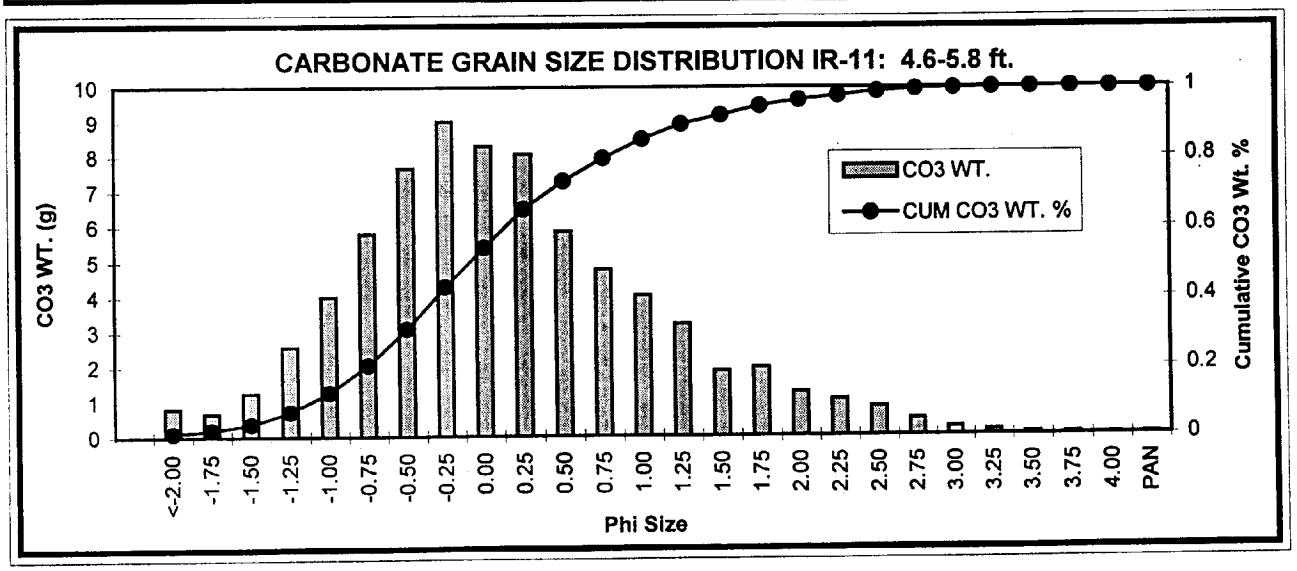


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-11: 4.6-5.8 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.813	0.000	0.813	0.813	0.010989457	0.010989457
-1.75	0.669	0.000	0.669	1.482	0.009042985	0.020032441
-1.50	1.249	0.000	1.249	2.731	0.016882941	0.036915383
-1.25	2.569	0.000	2.569	5.300	0.034725602	0.071640984
-1.00	4.008	0.000	4.008	9.308	0.054176805	0.125817789
-0.75	5.810	0.009	5.801	15.109	0.078413085	0.204230873
-0.50	7.773	0.108	7.665	22.774	0.103609084	0.307839957
-0.25	9.489	0.477	9.012	31.786	0.121816707	0.429656664
0.00	9.550	1.247	8.303	40.089	0.112233036	0.541889700
0.25	10.237	2.161	8.076	48.165	0.109164639	0.651054339
0.50	8.643	2.776	5.867	54.032	0.079305218	0.730359557
0.75	7.964	3.170	4.794	58.826	0.064801298	0.795160854
1.00	8.206	4.158	4.048	62.874	0.054717491	0.849878345
1.25	7.397	4.172	3.225	66.099	0.043592863	0.893471208
1.50	5.463	3.600	1.863	67.962	0.025182482	0.918653690
1.75	6.863	4.899	1.964	69.926	0.026547716	0.945201406
2.00	5.426	4.186	1.240	71.166	0.016761287	0.961962693
2.25	4.548	3.504	1.044	72.210	0.014111922	0.976074615
2.50	3.120	2.303	0.817	73.027	0.011043525	0.987118140
2.75	1.967	1.497	0.470	73.497	0.006353068	0.993471208
3.00	1.449	1.223	0.226	73.723	0.003054880	0.996526088
3.25	1.033	0.894	0.139	73.862	0.001878886	0.998404974
3.50	0.438	0.382	0.056	73.918	0.000756961	0.999161936
3.75	0.228	0.193	0.035	73.953	0.000473101	0.999635036
4.00	0.075	0.062	0.013	73.966	0.000175723	0.999810760
PAN	0.086	0.072	0.014	73.980	0.000189240	1.0

TOTAL WT.	115.073	grams
CO3 WT	73.980	grams
% CARBONATE	64.29%	

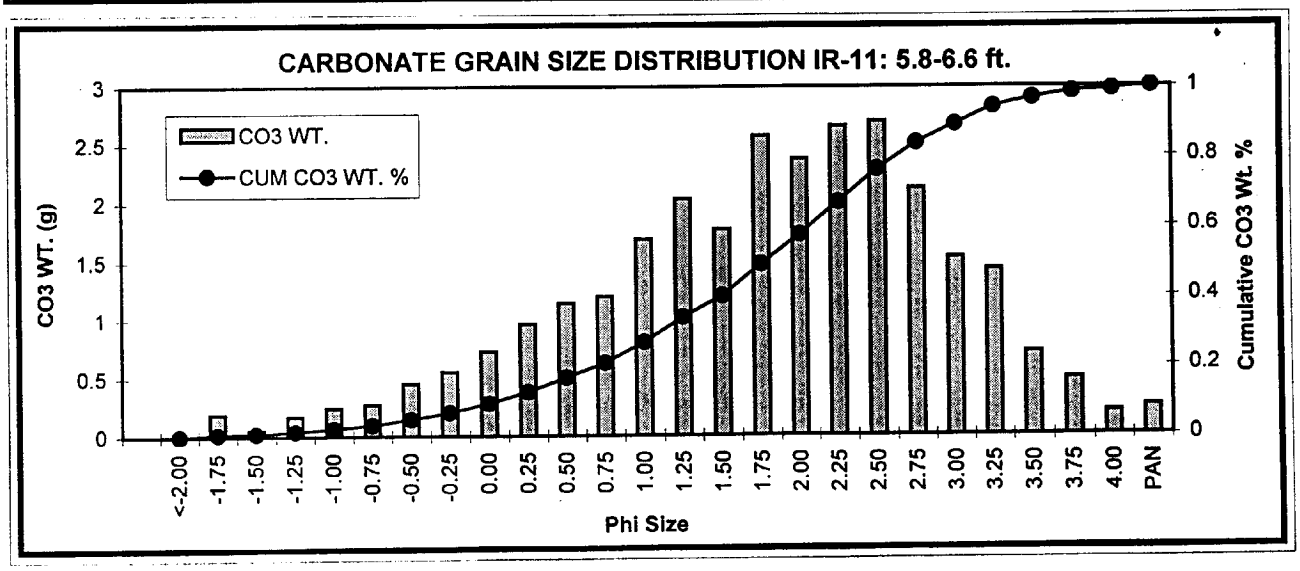


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-11: 5.8-6.6 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.193	0.000	0.193	0.193	0.006762913	0.006762913
-1.50	0.052	0.000	0.052	0.245	0.001822132	0.008585045
-1.25	0.172	0.000	0.172	0.417	0.006027052	0.014612096
-1.00	0.244	0.000	0.244	0.661	0.008550004	0.023162100
-0.75	0.273	0.000	0.273	0.934	0.009566192	0.032728292
-0.50	0.455	0.000	0.455	1.389	0.015943654	0.048671946
-0.25	0.577	0.023	0.554	1.943	0.019412713	0.068084659
0.00	0.816	0.087	0.729	2.672	0.025544888	0.093629547
0.25	1.152	0.186	0.966	3.638	0.033849604	0.127479151
0.50	1.565	0.423	1.142	4.780	0.040016820	0.167495970
0.75	2.233	1.034	1.199	5.979	0.042014157	0.209510127
1.00	4.042	2.352	1.690	7.669	0.059219287	0.268729413
1.25	5.686	3.651	2.035	9.704	0.071308431	0.340037844
1.50	5.961	4.186	1.775	11.479	0.062197771	0.402235616
1.75	9.873	7.300	2.573	14.052	0.090160488	0.492396103
2.00	10.533	8.157	2.376	16.428	0.083257411	0.575653515
2.25	12.594	9.935	2.659	19.087	0.093174014	0.668827528
2.50	12.099	9.401	2.698	21.785	0.094540613	0.763368141
2.75	10.229	8.103	2.126	23.911	0.074497162	0.837865302
3.00	10.177	8.642	1.535	25.446	0.053787932	0.891653234
3.25	8.396	6.965	1.431	26.877	0.050143668	0.941796902
3.50	4.461	3.746	0.715	27.592	0.025054314	0.966851216
3.75	2.034	1.541	0.493	28.085	0.017275212	0.984126428
4.00	0.499	0.298	0.201	28.286	0.007043241	0.991169669
PAN	0.501	0.249	0.252	28.538	0.008830331	1.0

TOTAL WT.	104.817	grams
CO3 WT	28.538	grams
% CARBONATE	27.23%	

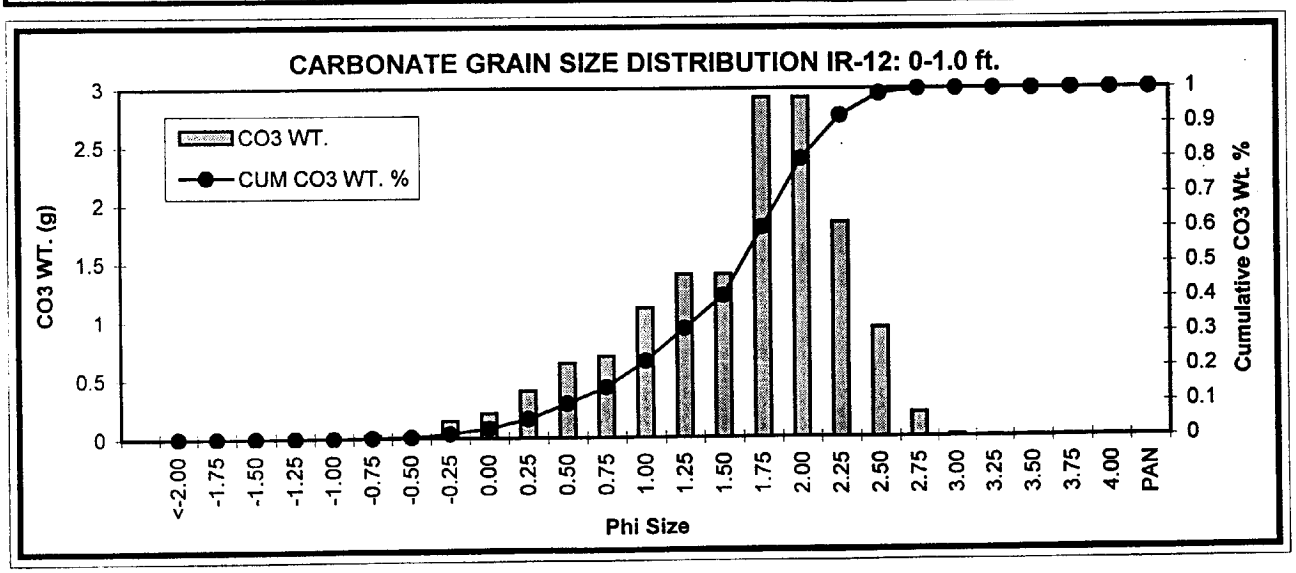


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-12: 0-1.0 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.027	0.000	0.027	0.027	0.001809045	0.001809045
-0.50	0.040	0.017	0.023	0.050	0.001541039	0.003350084
-0.25	0.156	0.008	0.148	0.198	0.009916248	0.013266332
0.00	0.237	0.023	0.214	0.412	0.014338358	0.027604690
0.25	0.474	0.069	0.405	0.817	0.027135678	0.054740369
0.50	0.838	0.200	0.638	1.455	0.042747069	0.097487437
0.75	1.308	0.612	0.696	2.151	0.046633166	0.144120603
1.00	2.912	1.798	1.114	3.265	0.074639866	0.218760469
1.25	5.039	3.640	1.399	4.664	0.093735343	0.312495812
1.50	6.558	5.159	1.399	6.063	0.093735343	0.406231156
1.75	13.942	11.025	2.917	8.980	0.195443886	0.601675042
2.00	14.763	11.840	2.923	11.903	0.195845896	0.797520938
2.25	10.508	8.662	1.846	13.749	0.123685092	0.921206030
2.50	3.652	2.708	0.944	14.693	0.063249581	0.984455611
2.75	0.612	0.404	0.208	14.901	0.013936348	0.998391960
3.00	0.192	0.179	0.013	14.914	0.000871022	0.999262982
3.25	0.068	0.066	0.002	14.916	0.000134003	0.999396985
3.50	0.027	0.025	0.002	14.918	0.000134003	0.999530988
3.75	0.007	0.005	0.002	14.920	0.000134003	0.999664992
4.00	0.005	0.003	0.002	14.922	0.000134003	0.999798995
PAN	0.008	0.005	0.003	14.925	0.000201005	1.0

TOTAL WT.	61.373	grams
CO3 WT	14.925	grams
% CARBONATE	24.32%	

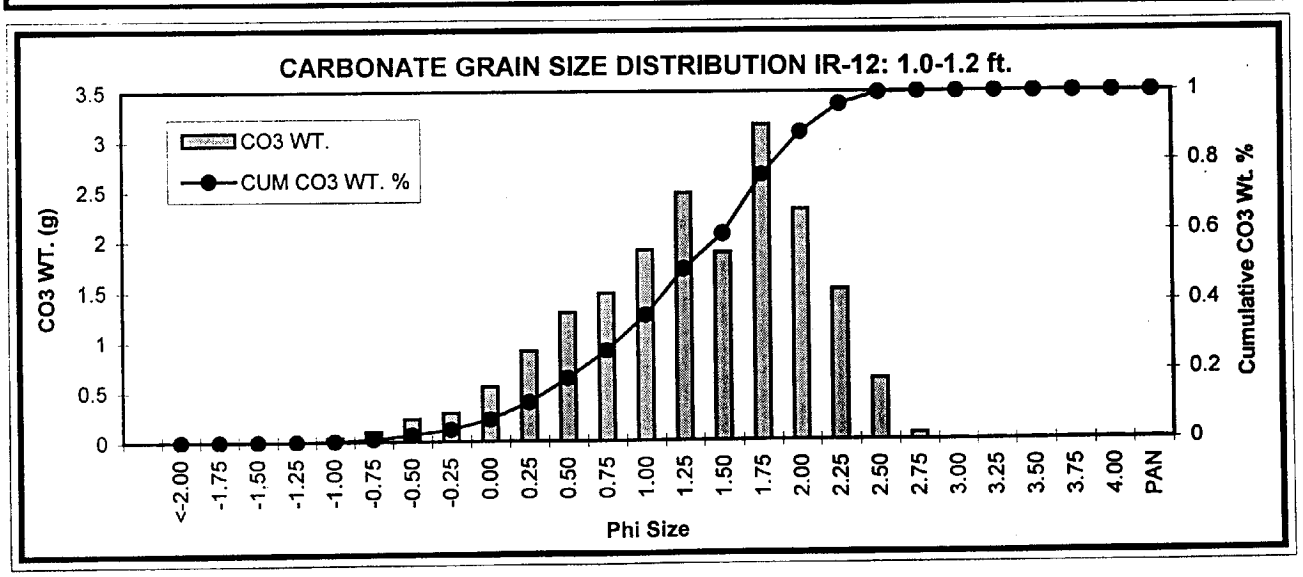


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-12: 1.0-1.2 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.042	0.000	0.042	0.042	0.002228826	0.002228826
-0.75	0.099	0.000	0.099	0.141	0.005253662	0.007482488
-0.50	0.228	0.000	0.228	0.369	0.012099342	0.019581830
-0.25	0.298	0.009	0.289	0.658	0.015336447	0.034918276
0.00	0.564	0.016	0.548	1.206	0.029080875	0.063999151
0.25	1.039	0.131	0.908	2.114	0.048185099	0.112184250
0.50	1.675	0.385	1.290	3.404	0.068456803	0.180641053
0.75	2.490	1.009	1.481	4.885	0.078592655	0.259233708
1.00	4.617	2.709	1.908	6.793	0.101252388	0.360486096
1.25	7.459	4.982	2.477	9.270	0.131447676	0.491933772
1.50	8.305	6.419	1.886	11.156	0.100084908	0.592018680
1.75	13.787	10.622	3.165	14.321	0.167957971	0.759976650
2.00	10.537	8.224	2.313	16.634	0.122744640	0.882721291
2.25	5.915	4.400	1.515	18.149	0.080396943	0.963118234
2.50	1.702	1.085	0.617	18.766	0.032742518	0.995860751
2.75	0.406	0.340	0.066	18.832	0.003502441	0.999363193
3.00	0.244	0.242	0.002	18.834	0.000106135	0.999469327
3.25	0.127	0.125	0.002	18.836	0.000106135	0.999575462
3.50	0.042	0.040	0.002	18.838	0.000106135	0.999681596
3.75	0.012	0.010	0.002	18.840	0.000106135	0.999787731
4.00	0.004	0.002	0.002	18.842	0.000106135	0.999893865
PAN	0.009	0.007	0.002	18.844	0.000106135	1.0

TOTAL WT.	59.601	grams
CO3 WT	18.844	grams
% CARBONATE	31.62%	

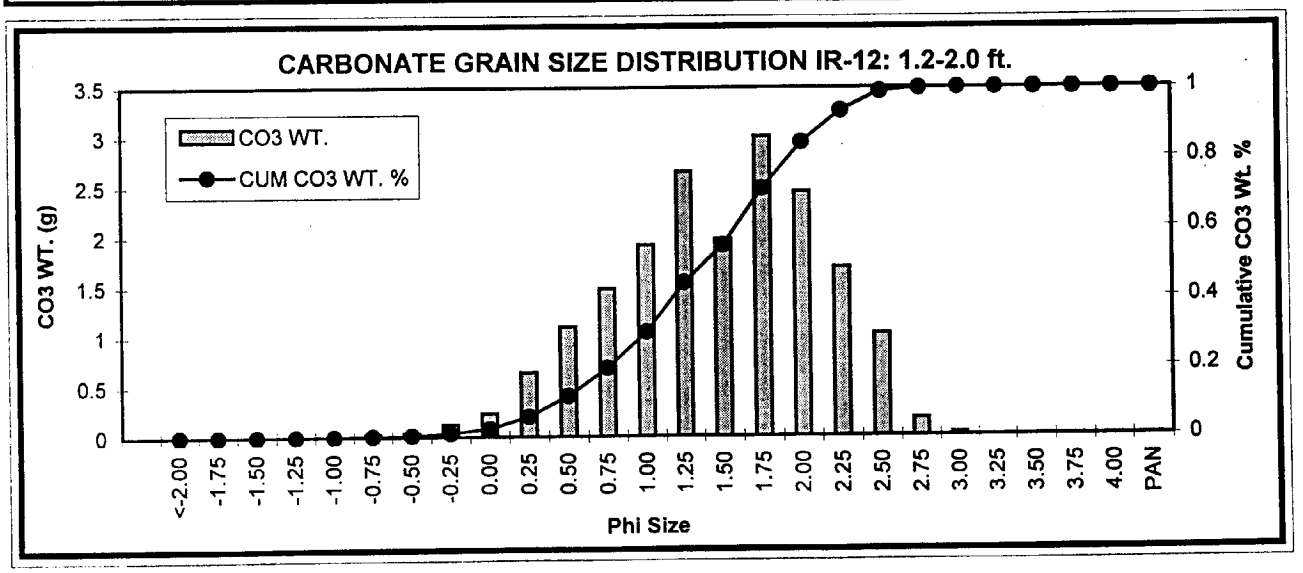


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-12: 1.2-2.0 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.030	0.000	0.030	0.030	0.001610565	0.001610565
-0.50	0.040	0.000	0.040	0.070	0.002147420	0.003757986
-0.25	0.126	0.000	0.126	0.196	0.006764374	0.010522360
0.00	0.248	0.012	0.236	0.432	0.012669780	0.023192140
0.25	0.697	0.050	0.647	1.079	0.034734525	0.057926666
0.50	1.451	0.345	1.106	2.185	0.059376174	0.117302840
0.75	2.713	1.229	1.484	3.669	0.079669297	0.196972137
1.00	5.598	3.676	1.922	5.591	0.103183551	0.300155688
1.25	8.793	6.139	2.654	8.245	0.142481344	0.442637032
1.50	9.097	7.115	1.982	10.227	0.106404681	0.549041714
1.75	14.918	11.914	3.004	13.231	0.161271273	0.710312987
2.00	12.886	10.430	2.456	15.687	0.131851613	0.842164600
2.25	8.913	7.211	1.702	17.389	0.091372738	0.933537338
2.50	3.425	2.395	1.030	18.419	0.055296076	0.988833414
2.75	0.681	0.508	0.173	18.592	0.009287593	0.998121007
3.00	0.249	0.220	0.029	18.621	0.001556880	0.999677887
3.25	0.111	0.111	0.000	18.621	0.000000000	0.999677887
3.50	0.049	0.049	0.000	18.621	0.000000000	0.999677887
3.75	0.027	0.025	0.002	18.623	0.000107371	0.999785258
4.00	0.009	0.007	0.002	18.625	0.000107371	0.999892629
PAN	0.015	0.013	0.002	18.627	0.000107371	1.0

TOTAL WT.	70.076	grams
CO3 WT	18.627	grams
% CARBONATE	26.58%	

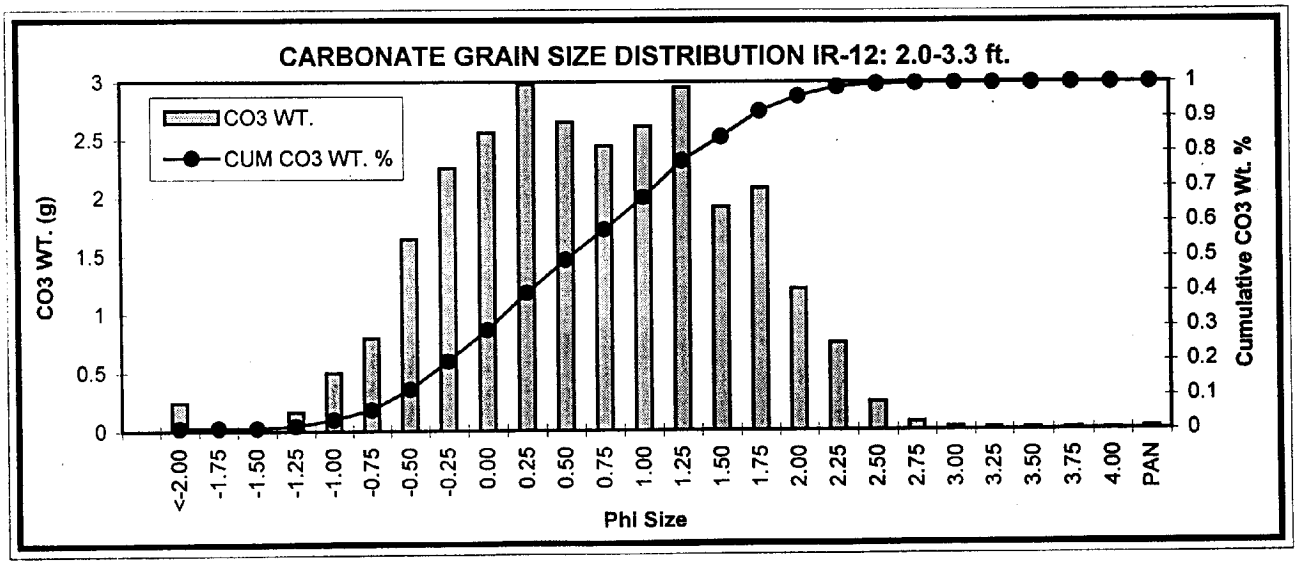


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-12: 2.0-3.3 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.247	0.000	0.247	0.247	0.008763838	0.008763838
-1.75	0.000	0.000	0.000	0.247	0.000000000	0.008763838
-1.50	0.000	0.000	0.000	0.247	0.000000000	0.008763838
-1.25	0.164	0.000	0.164	0.411	0.005818904	0.014582742
-1.00	0.500	0.000	0.500	0.911	0.017740562	0.032323304
-0.75	0.795	0.000	0.795	1.706	0.028207494	0.060530798
-0.50	1.667	0.023	1.644	3.350	0.058330968	0.118861766
-0.25	2.403	0.150	2.253	5.603	0.079938972	0.198800738
0.00	2.971	0.414	2.557	8.160	0.090725234	0.289525972
0.25	4.078	1.104	2.974	11.134	0.105520863	0.395046835
0.50	4.389	1.741	2.648	13.782	0.093954016	0.489000852
0.75	5.159	2.715	2.444	16.226	0.086715867	0.575716719
1.00	7.358	4.745	2.613	18.839	0.092712177	0.668428896
1.25	9.030	6.080	2.950	21.789	0.104669316	0.773098212
1.50	7.927	6.009	1.918	23.707	0.068052796	0.841151008
1.75	9.752	7.669	2.083	25.790	0.073907181	0.915058189
2.00	5.894	4.677	1.217	27.007	0.043180528	0.958238717
2.25	2.901	2.149	0.752	27.759	0.026681805	0.984920522
2.50	0.831	0.587	0.244	28.003	0.008657394	0.993577917
2.75	0.264	0.196	0.068	28.071	0.002412716	0.995990633
3.00	0.176	0.147	0.029	28.100	0.001028953	0.997019586
3.25	0.129	0.111	0.018	28.118	0.000638660	0.997658246
3.50	0.085	0.070	0.015	28.133	0.000532217	0.998190463
3.75	0.073	0.057	0.016	28.149	0.000567698	0.998758161
4.00	0.041	0.029	0.012	28.161	0.000425773	0.999183934
PAN	0.062	0.039	0.023	28.184	0.000816066	1.0

TOTAL WT.	66.896	grams
CO3 WT	28.184	grams
% CARBONATE	42.13%	

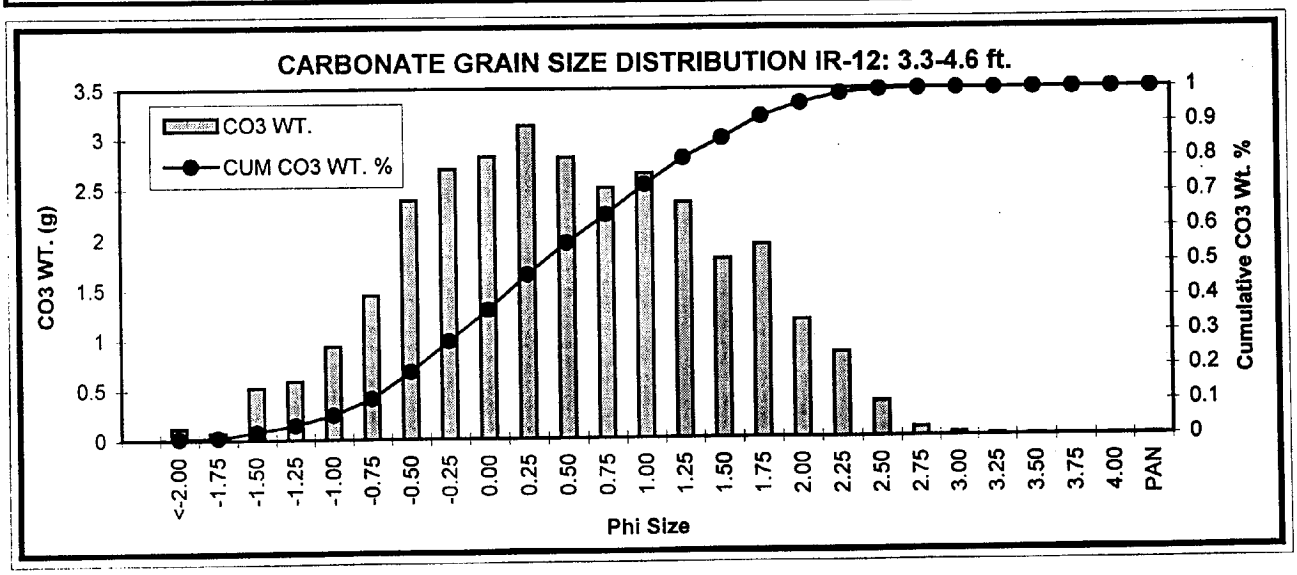


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-12: 3.3-4.6 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.120	0.000	0.120	0.120	0.003836440	0.003836440
-1.75	0.068	0.000	0.068	0.188	0.002173983	0.006010422
-1.50	0.518	0.000	0.518	0.706	0.016560632	0.022571054
-1.25	0.587	0.000	0.587	1.293	0.018766585	0.041337639
-1.00	0.932	0.000	0.932	2.225	0.029796349	0.071133988
-0.75	1.445	0.000	1.445	3.670	0.046197129	0.117331117
-0.50	2.442	0.057	2.385	6.055	0.076249241	0.193580357
-0.25	2.884	0.188	2.696	8.751	0.086192014	0.279772371
0.00	3.235	0.415	2.820	11.571	0.090156335	0.369928706
0.25	4.156	1.026	3.130	14.701	0.100067138	0.469995844
0.50	4.422	1.611	2.811	17.512	0.089868602	0.559864446
0.75	5.066	2.563	2.503	20.015	0.080021740	0.639886186
1.00	7.100	4.450	2.650	22.665	0.084721379	0.724607564
1.25	7.997	5.638	2.359	25.024	0.075418012	0.800025576
1.50	7.301	5.503	1.798	26.822	0.057482656	0.857508232
1.75	8.971	7.039	1.932	28.754	0.061766681	0.919274913
2.00	5.787	4.609	1.178	29.932	0.037661051	0.956935963
2.25	3.131	2.283	0.848	30.780	0.027110841	0.984046805
2.50	1.027	0.675	0.352	31.132	0.011253557	0.995300361
2.75	0.320	0.237	0.083	31.215	0.002653538	0.997953899
3.00	0.188	0.157	0.031	31.246	0.000991080	0.998944979
3.25	0.123	0.109	0.014	31.260	0.000447585	0.999392564
3.50	0.067	0.060	0.007	31.267	0.000223792	0.999616356
3.75	0.055	0.052	0.003	31.270	0.000095911	0.999712267
4.00	0.027	0.024	0.003	31.273	0.000095911	0.999808178
PAN	0.040	0.034	0.006	31.279	0.000191822	1.0

TOTAL WT.	68.009	grams
CO3 WT	31.279	grams
% CARBONATE	45.99%	

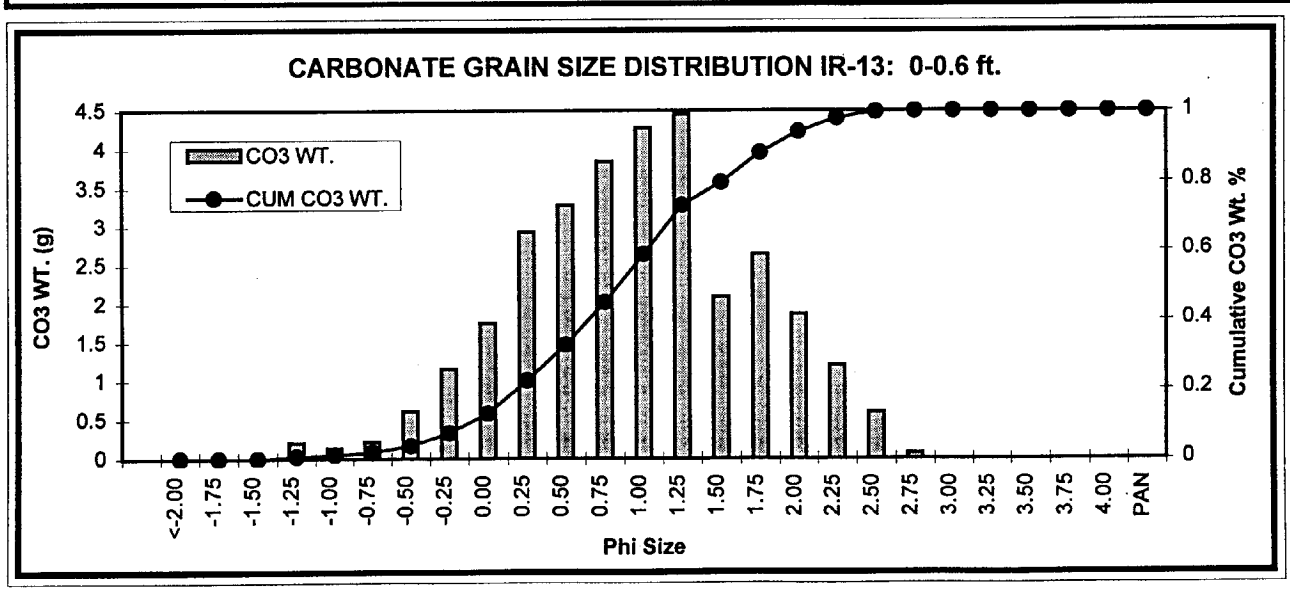


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-13: 0-0.6 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT. %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.204	0.000	0.204	0.204	0.006504272	0.006504272
-1.00	0.135	0.000	0.135	0.339	0.004304298	0.010808570
-0.75	0.220	0.000	0.220	0.559	0.007014411	0.017822982
-0.50	0.620	0.010	0.610	1.169	0.019449050	0.037272032
-0.25	1.191	0.033	1.158	2.327	0.036921311	0.074193343
0.00	1.949	0.194	1.755	4.082	0.055955873	0.130149216
0.25	3.609	0.678	2.931	7.013	0.093451090	0.223600306
0.50	4.959	1.678	3.281	10.294	0.104610381	0.328210687
0.75	7.127	3.278	3.849	14.143	0.122720316	0.450931004
1.00	10.647	6.367	4.280	18.423	0.136462186	0.587393190
1.25	12.722	8.271	4.451	22.874	0.141914297	0.729307486
1.50	9.407	7.307	2.100	24.974	0.066955745	0.796263232
1.75	11.977	9.332	2.645	27.619	0.084332356	0.880595587
2.00	9.292	7.427	1.865	29.484	0.059463079	0.940058666
2.25	6.324	5.120	1.204	30.688	0.038387961	0.978446627
2.50	2.401	1.804	0.597	31.285	0.019034562	0.997481189
2.75	0.517	0.450	0.067	31.352	0.002136207	0.999617396
3.00	0.187	0.185	0.002	31.354	0.000063767	0.999681163
3.25	0.088	0.086	0.002	31.356	0.000063767	0.999744930
3.50	0.053	0.051	0.002	31.358	0.000063767	0.999808698
3.75	0.042	0.040	0.002	31.360	0.000063767	0.999872465
4.00	0.012	0.010	0.002	31.362	0.000063767	0.999936233
PAN	0.005	0.003	0.002	31.364	0.000063767	1.0

TOTAL WT.	83.688	grams
CO3 WT	31.364	grams
% CARBONATE	37.48%	

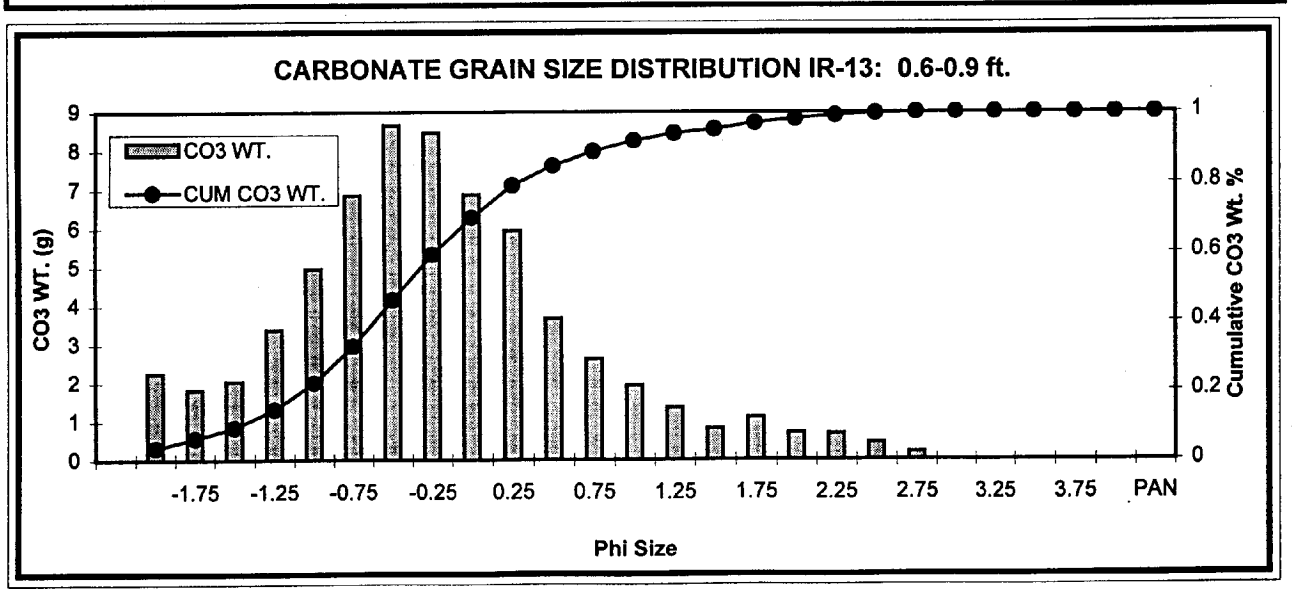


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-13: 0.6-0.9 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.252	0.000	2.252	2.252	0.034711839	0.034711839
-1.75	1.817	0.000	1.817	4.069	0.028006844	0.062718683
-1.50	2.060	0.000	2.060	6.129	0.031752393	0.094471076
-1.25	3.389	0.000	3.389	9.518	0.052237311	0.146708387
-1.00	4.970	0.007	4.963	14.481	0.076498605	0.223206992
-0.75	6.899	0.033	6.866	21.347	0.105831034	0.329038026
-0.50	8.819	0.147	8.672	30.019	0.133668326	0.462706352
-0.25	9.004	0.528	8.476	38.495	0.130647225	0.593353577
0.00	7.894	1.005	6.889	45.384	0.106185551	0.699539128
0.25	7.443	1.493	5.950	51.334	0.091712009	0.791251137
0.50	5.482	1.794	3.688	55.022	0.056846032	0.848097168
0.75	4.522	1.898	2.624	57.646	0.040445767	0.888542935
1.00	4.210	2.278	1.932	59.578	0.029779429	0.918322364
1.25	3.652	2.310	1.342	60.920	0.020685297	0.939007661
1.50	2.961	2.149	0.812	61.732	0.012515992	0.951523652
1.75	4.054	2.951	1.103	62.835	0.017001403	0.968525055
2.00	3.687	2.985	0.702	63.537	0.010820476	0.979345531
2.25	3.079	2.398	0.681	64.218	0.010496786	0.989842317
2.50	1.734	1.288	0.446	64.664	0.006874547	0.996716864
2.75	0.756	0.555	0.201	64.865	0.003098170	0.999815035
3.00	0.370	0.368	0.002	64.867	0.000030828	0.999845862
3.25	0.192	0.190	0.002	64.869	0.000030828	0.999876690
3.50	0.093	0.091	0.002	64.871	0.000030828	0.999907517
3.75	0.068	0.066	0.002	64.873	0.000030828	0.999938345
4.00	0.025	0.023	0.002	64.875	0.000030828	0.999969172
PAN	0.021	0.019	0.002	64.877	0.000030828	1.0

TOTAL WT.	89.453	grams
CO3 WT	64.877	grams
% CARBONATE	72.53%	

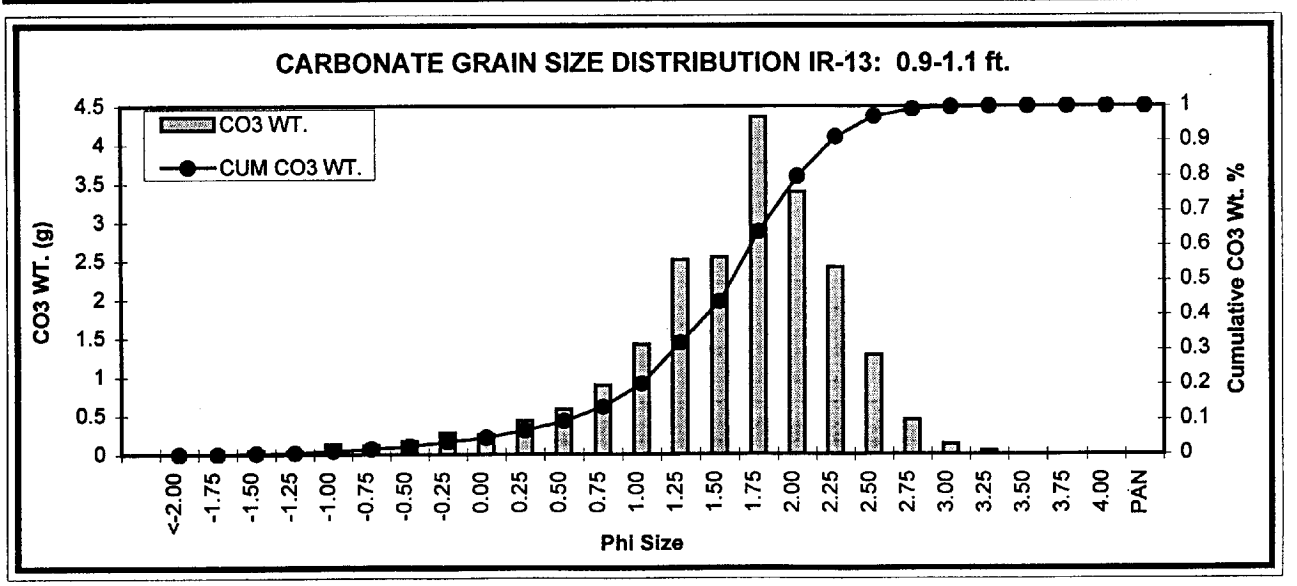


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-13: 0.9-1.1 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.055	0.000	0.055	0.055	0.002554931	0.002554931
-1.25	0.038	0.000	0.038	0.093	0.001765225	0.004320156
-1.00	0.127	0.000	0.127	0.220	0.005899568	0.010219724
-0.75	0.117	0.000	0.117	0.337	0.005435035	0.015654759
-0.50	0.168	0.000	0.168	0.505	0.007804153	0.023458912
-0.25	0.288	0.012	0.276	0.781	0.012821108	0.036280020
0.00	0.263	0.011	0.252	1.033	0.011706229	0.047986250
0.25	0.489	0.051	0.438	1.471	0.020346542	0.068332791
0.50	0.727	0.145	0.582	2.053	0.027035815	0.095368607
0.75	1.403	0.509	0.894	2.947	0.041529242	0.136897849
1.00	3.432	2.005	1.427	4.374	0.066288847	0.203186696
1.25	7.792	5.273	2.519	6.893	0.117015841	0.320202536
1.50	10.398	7.846	2.552	9.445	0.118548799	0.438751336
1.75	18.807	14.450	4.357	13.802	0.202396990	0.641148325
2.00	16.656	13.267	3.389	17.191	0.157430204	0.798578529
2.25	12.345	9.925	2.420	19.611	0.112416965	0.910995494
2.50	5.724	4.442	1.282	20.893	0.059553119	0.970548613
2.75	1.802	1.357	0.445	21.338	0.020671715	0.991220328
3.00	0.694	0.559	0.135	21.473	0.006271194	0.997491522
3.25	0.314	0.270	0.044	21.517	0.002043945	0.999535467
3.50	0.111	0.107	0.004	21.521	0.000185813	0.999721280
3.75	0.064	0.062	0.002	21.523	0.000092907	0.999814187
4.00	0.018	0.016	0.002	21.525	0.000092907	0.999907093
PAN	0.014	0.012	0.002	21.527	0.000092907	1.0

TOTAL WT.	81.846	grams
CO3 WT	21.527	grams
% CARBONATE	26.30%	

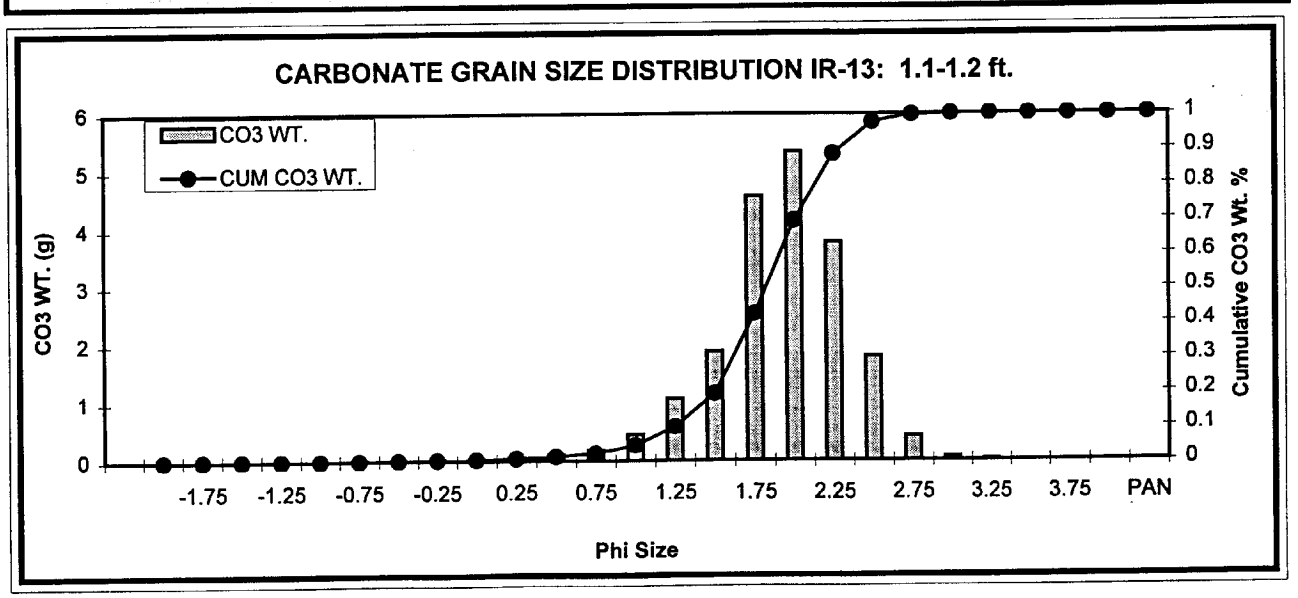


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-13: 1.1-1.2 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.009	0.000	0.009	0.009	0.000453013	0.000453013
-0.50	0.010	0.000	0.010	0.019	0.000503347	0.000956360
-0.25	0.036	0.004	0.032	0.051	0.001610711	0.002567071
0.00	0.031	0.000	0.031	0.082	0.001560377	0.004127448
0.25	0.059	0.004	0.055	0.137	0.002768410	0.006895857
0.50	0.136	0.032	0.104	0.241	0.005234811	0.012130669
0.75	0.258	0.076	0.182	0.423	0.009160920	0.021291589
1.00	0.781	0.323	0.458	0.881	0.023053304	0.044344894
1.25	2.406	1.334	1.072	1.953	0.053958826	0.098303720
1.50	5.342	3.449	1.893	3.846	0.095283636	0.193587356
1.75	15.139	10.556	4.583	8.429	0.230684049	0.424271405
2.00	18.243	12.892	5.351	13.780	0.269341118	0.693612523
2.25	13.938	10.152	3.786	17.566	0.190567272	0.884179796
2.50	6.323	4.521	1.802	19.368	0.090703176	0.974882972
2.75	2.127	1.710	0.417	19.785	0.020989581	0.995872552
3.00	1.006	0.946	0.060	19.845	0.003020084	0.998892636
3.25	0.495	0.479	0.016	19.861	0.000805356	0.999697992
3.50	0.138	0.136	0.002	19.863	0.000100669	0.999798661
3.75	0.054	0.052	0.002	19.865	0.000100669	0.999899331
4.00	0.016	0.016	0.000	19.865	0.000000000	0.999899331
PAN	0.010	0.008	0.002	19.867	0.000100669	1.0

TOTAL WT.	66.557	grams
CO3 WT	19.867	grams
% CARBONATE	29.85%	

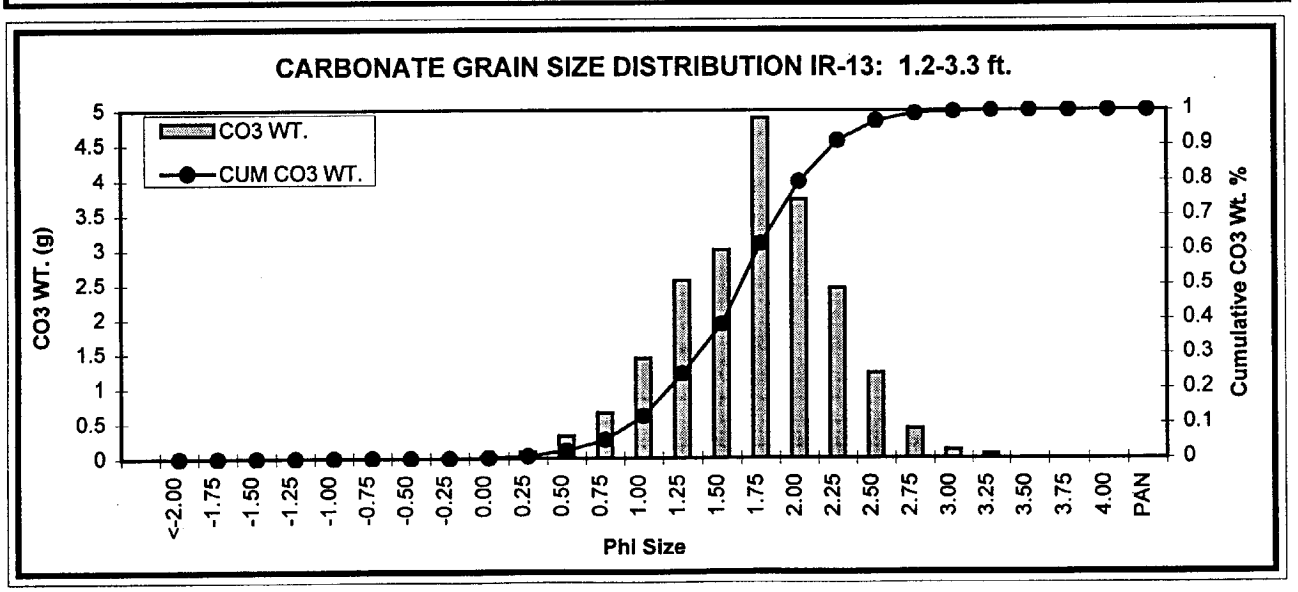


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-13: 1.2-3.3 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.25	0.008	0.000	0.008	0.008	0.000381116	0.000381116
0.00	0.030	0.000	0.030	0.038	0.001429184	0.001810300
0.25	0.098	0.003	0.095	0.133	0.004525749	0.006336049
0.50	0.358	0.035	0.323	0.456	0.015387547	0.021723596
0.75	0.952	0.298	0.654	1.110	0.031156210	0.052879806
1.00	3.170	1.741	1.429	2.539	0.068076795	0.120956600
1.25	7.742	5.189	2.553	5.092	0.121623553	0.242580153
1.50	10.940	7.946	2.994	8.086	0.142632557	0.385212710
1.75	19.935	15.044	4.891	12.977	0.233004621	0.618217331
2.00	17.097	13.373	3.724	16.701	0.177409366	0.795626697
2.25	11.478	9.036	2.442	19.143	0.116335572	0.911962270
2.50	4.936	3.718	1.218	20.361	0.058024868	0.969987137
2.75	1.696	1.269	0.427	20.788	0.020342051	0.990329189
3.00	0.836	0.711	0.125	20.913	0.005954933	0.996284122
3.25	0.473	0.410	0.063	20.976	0.003001286	0.999285408
3.50	0.165	0.154	0.011	20.987	0.000524034	0.999809442
3.75	0.087	0.085	0.002	20.989	0.000095279	0.999904721
4.00	0.030	0.030	0.000	20.989	0.000000000	0.999904721
PAN	0.021	0.019	0.002	20.991	0.000095279	1.0

TOTAL WT.	80.052	grams
CO3 WT	20.991	grams
% CARBONATE	26.22%	

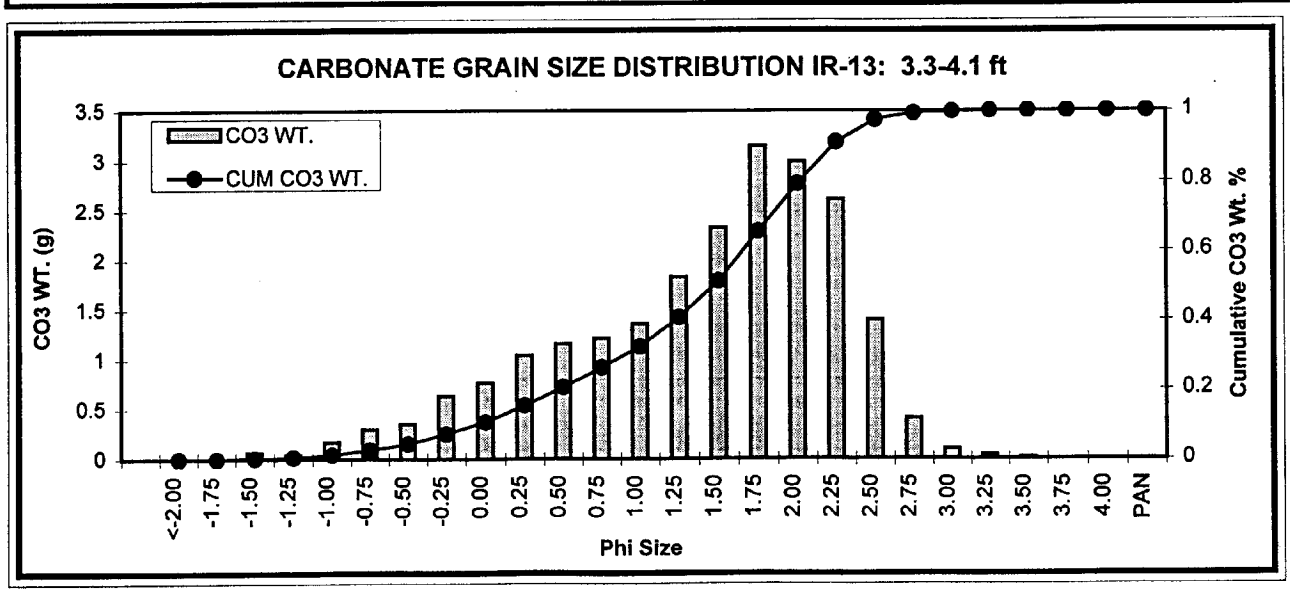


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-13: 3.3-4.1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.069	0.000	0.069	0.069	0.003133230	0.003133230
-1.25	0.047	0.000	0.047	0.116	0.002134229	0.005267460
-1.00	0.175	0.000	0.175	0.291	0.007946599	0.013214059
-0.75	0.298	0.000	0.298	0.589	0.013531923	0.026745981
-0.50	0.357	0.000	0.357	0.946	0.016211062	0.042957043
-0.25	0.655	0.018	0.637	1.583	0.028925620	0.071882663
0.00	0.809	0.046	0.763	2.346	0.034647171	0.106529834
0.25	1.236	0.191	1.045	3.391	0.047452547	0.153982381
0.50	1.612	0.451	1.161	4.552	0.052720007	0.206702389
0.75	2.231	1.018	1.213	5.765	0.055081282	0.261783671
1.00	3.680	2.318	1.362	7.127	0.061847244	0.323630915
1.25	5.658	3.827	1.831	8.958	0.083144129	0.406775043
1.50	7.634	5.305	2.329	11.287	0.105757878	0.512532922
1.75	13.990	10.843	3.147	14.434	0.142902552	0.655435474
2.00	15.371	12.378	2.993	17.427	0.135909545	0.791345019
2.25	13.421	10.804	2.617	20.044	0.118835710	0.910180728
2.50	6.464	5.065	1.399	21.443	0.063527382	0.973708110
2.75	1.759	1.350	0.409	21.852	0.018572337	0.992280447
3.00	0.628	0.523	0.105	21.957	0.004767959	0.997048406
3.25	0.319	0.277	0.042	21.999	0.001907184	0.998955590
3.50	0.128	0.109	0.019	22.018	0.000862774	0.999818363
3.75	0.066	0.066	0.000	22.018	0.000000000	0.999818363
4.00	0.022	0.020	0.002	22.020	0.000090818	0.999909182
PAN	0.021	0.019	0.002	22.022	0.000090818	1.0

TOTAL WT.	76.650	grams
CO3 WT	22.022	grams
% CARBONATE	28.73%	

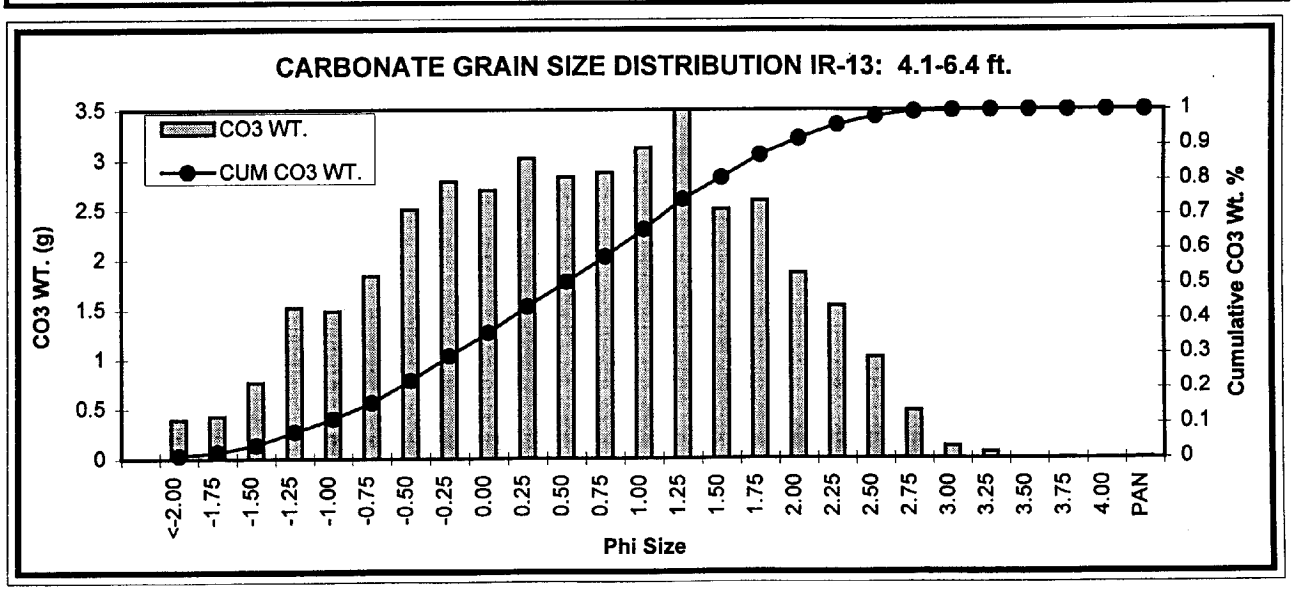


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-13: 4.1-6.4 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.390	0.000	0.390	0.390	0.009757562	0.009757562
-1.75	0.425	0.000	0.425	0.815	0.010633241	0.020390803
-1.50	0.766	0.000	0.766	1.581	0.019164853	0.039555656
-1.25	1.523	0.000	1.523	3.104	0.038104531	0.077660187
-1.00	1.486	0.000	1.486	4.590	0.037178814	0.114839000
-0.75	1.837	0.000	1.837	6.427	0.045960619	0.160799620
-0.50	2.550	0.041	2.509	8.936	0.062773650	0.223573269
-0.25	2.866	0.076	2.790	11.726	0.069804098	0.293377367
0.00	2.957	0.256	2.701	14.427	0.067577372	0.360954740
0.25	3.651	0.632	3.019	17.446	0.075533538	0.436488278
0.50	4.112	1.282	2.830	20.276	0.070804874	0.507293152
0.75	5.190	2.316	2.874	23.150	0.071905727	0.579198879
1.00	7.646	4.525	3.121	26.271	0.078085516	0.657284395
1.25	9.748	6.248	3.500	29.771	0.087567865	0.744852261
1.50	8.906	6.399	2.507	32.278	0.062723611	0.807575871
1.75	11.386	8.794	2.592	34.870	0.064850259	0.872426130
2.00	9.249	7.384	1.865	36.735	0.046661162	0.919087293
2.25	7.533	6.000	1.533	38.268	0.038354725	0.957442018
2.50	3.976	2.960	1.016	39.284	0.025419700	0.982861718
2.75	1.453	0.974	0.479	39.763	0.011984288	0.994846006
3.00	0.635	0.513	0.122	39.885	0.003052366	0.997898371
3.25	0.352	0.288	0.064	39.949	0.001601241	0.999499612
3.50	0.136	0.131	0.005	39.954	0.000125097	0.999624709
3.75	0.087	0.082	0.005	39.959	0.000125097	0.999749806
4.00	0.036	0.034	0.002	39.961	0.000050039	0.999799845
PAN	0.042	0.034	0.008	39.969	0.000200155	1.0

TOTAL WT.	88.938	grams
CO3 WT	39.969	grams
% CARBONATE	44.94%	

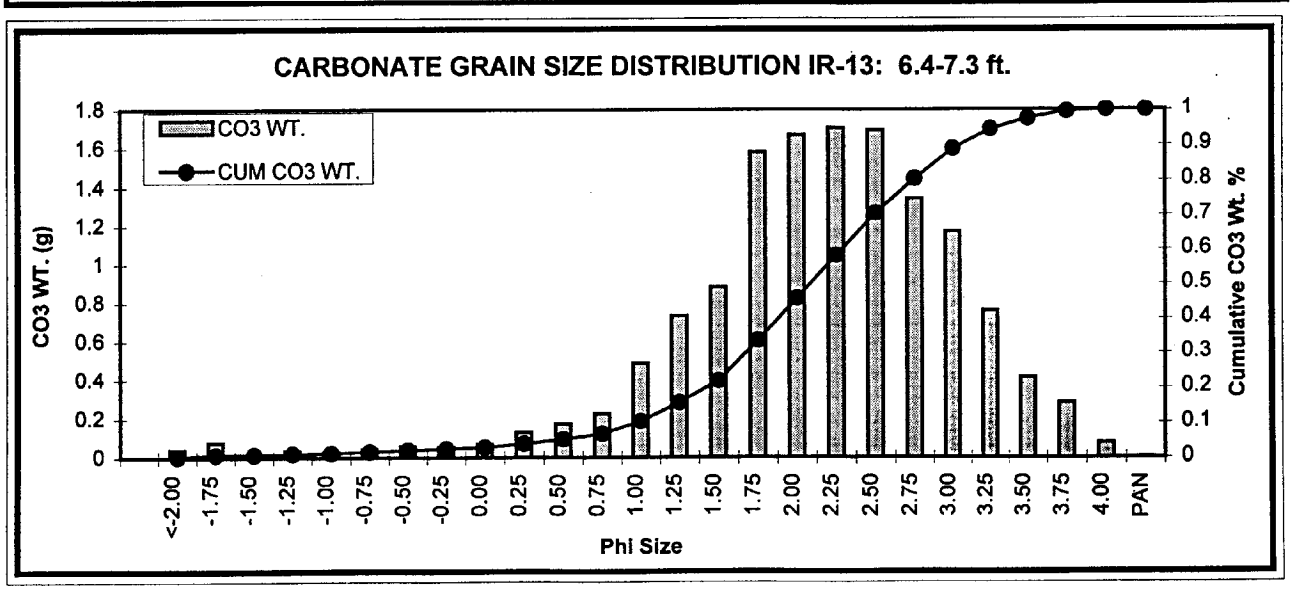


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-13: 6.4-7.3 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.041	0.000	0.041	0.041	0.002981601	0.002981601
-1.75	0.079	0.000	0.079	0.120	0.005745037	0.008726638
-1.50	0.000	0.000	0.000	0.120	0.000000000	0.008726638
-1.25	0.047	0.012	0.035	0.155	0.002545269	0.011271907
-1.00	0.029	0.000	0.029	0.184	0.002108938	0.013380845
-0.75	0.044	0.000	0.044	0.228	0.003199767	0.016580612
-0.50	0.059	0.000	0.059	0.287	0.004290597	0.020871209
-0.25	0.061	0.005	0.056	0.343	0.004072431	0.024943640
0.00	0.076	0.008	0.068	0.411	0.004945095	0.029888735
0.25	0.149	0.017	0.132	0.543	0.009599302	0.039488037
0.50	0.238	0.063	0.175	0.718	0.012726347	0.052214384
0.75	0.401	0.175	0.226	0.944	0.016435168	0.068649553
1.00	0.975	0.486	0.489	1.433	0.035561050	0.104210603
1.25	2.166	1.433	0.733	2.166	0.053305214	0.157515817
1.50	3.484	2.600	0.884	3.050	0.064286234	0.221802051
1.75	7.136	5.554	1.582	4.632	0.115046178	0.336848229
2.00	8.146	6.478	1.668	6.300	0.121300269	0.458148498
2.25	8.269	6.563	1.706	8.006	0.124063704	0.582212203
2.50	6.616	4.921	1.695	9.701	0.123263763	0.705475965
2.75	5.733	4.389	1.344	11.045	0.097738346	0.803214312
3.00	7.146	5.975	1.171	12.216	0.085157443	0.888371755
3.25	7.071	6.309	0.762	12.978	0.055414152	0.943785906
3.50	4.221	3.807	0.414	13.392	0.030106901	0.973892808
3.75	2.400	2.118	0.282	13.674	0.020507599	0.994400407
4.00	0.589	0.514	0.075	13.749	0.005454149	0.999854556
PAN	0.042	0.040	0.002	13.751	0.000145444	1.0

TOTAL WT.	65.218	grams
CO3 WT	13.751	grams
% CARBONATE	21.08%	

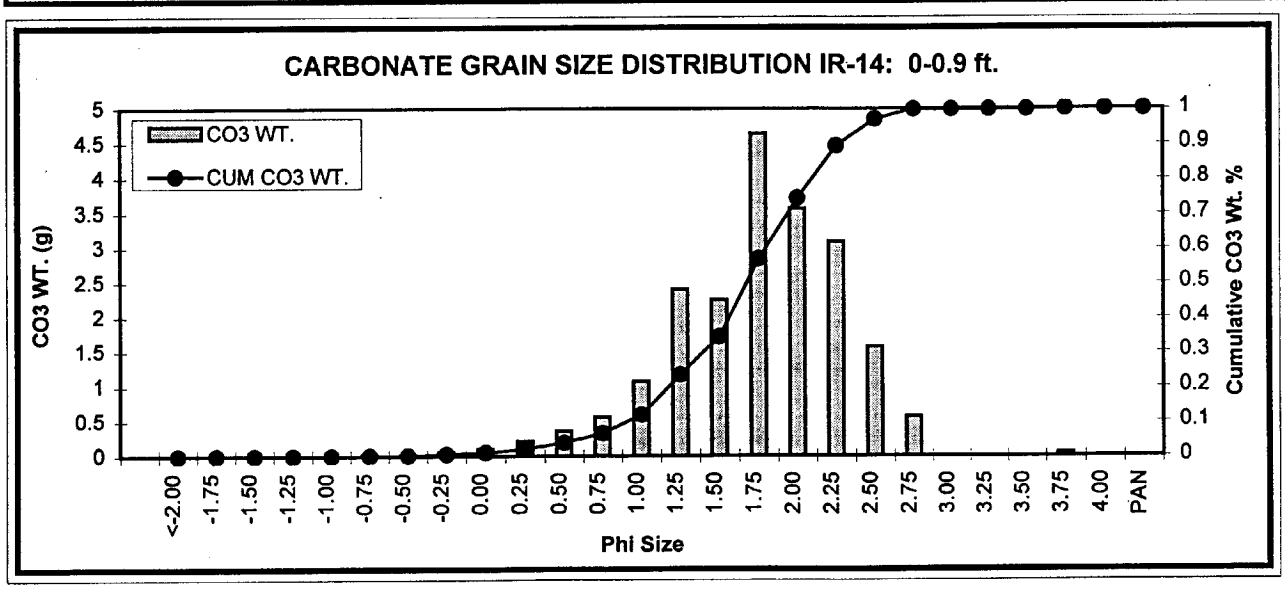


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-14: 0-0.9 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.024	0.000	0.024	0.024	0.001164540	0.001164540
-0.50	0.019	0.000	0.019	0.043	0.000921927	0.002086467
-0.25	0.067	0.004	0.063	0.106	0.003056917	0.005143384
0.00	0.111	0.006	0.105	0.211	0.005094861	0.010238245
0.25	0.254	0.039	0.215	0.426	0.010432335	0.020670581
0.50	0.513	0.146	0.367	0.793	0.017807754	0.038478335
0.75	1.144	0.579	0.565	1.358	0.027415207	0.065893542
1.00	3.107	2.028	1.079	2.437	0.052355767	0.118249309
1.25	7.234	4.827	2.407	4.844	0.116793634	0.235042942
1.50	9.007	6.750	2.257	7.101	0.109515260	0.344558203
1.75	16.967	12.326	4.641	11.742	0.225192877	0.569751080
2.00	14.439	10.872	3.567	15.309	0.173079722	0.742830802
2.25	9.502	6.411	3.091	18.400	0.149983017	0.892813819
2.50	4.499	2.921	1.578	19.978	0.076568489	0.969382309
2.75	2.190	1.618	0.572	20.550	0.027754864	0.997137173
3.00	1.365	1.363	0.002	20.552	0.000097045	0.997234218
3.25	0.727	0.725	0.002	20.554	0.000097045	0.997331263
3.50	0.288	0.286	0.002	20.556	0.000097045	0.997428308
3.75	0.115	0.070	0.045	20.601	0.002183512	0.999611820
4.00	0.026	0.020	0.006	20.607	0.000291135	0.999902955
PAN	0.030	0.028	0.002	20.609	0.000097045	1.0

TOTAL WT.	71.628	grams
CO3 WT	20.609	grams
% CARBONATE	28.77%	

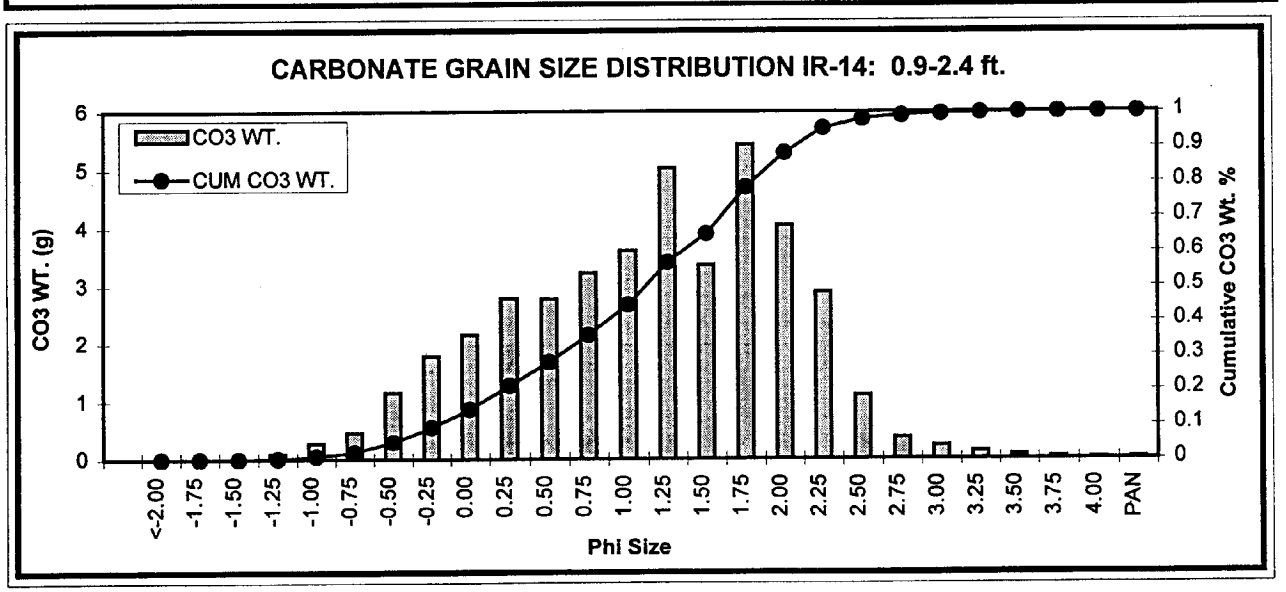


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-14: 0.9-2.4 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.094	0.000	0.094	0.094	0.002289054	0.002289054
-1.00	0.279	0.000	0.279	0.373	0.006794107	0.009083161
-0.75	0.461	0.000	0.461	0.834	0.011226105	0.020309266
-0.50	1.172	0.013	1.159	1.993	0.028223548	0.048532814
-0.25	1.857	0.079	1.778	3.771	0.043297212	0.091830026
0.00	2.366	0.219	2.147	5.918	0.052282966	0.144112992
0.25	3.481	0.696	2.785	8.703	0.067819311	0.211932302
0.50	4.380	1.611	2.769	11.472	0.067429685	0.279361987
0.75	6.250	3.018	3.232	14.704	0.078704493	0.358066480
1.00	9.498	5.886	3.612	18.316	0.087958115	0.446024595
1.25	13.665	8.637	5.028	23.344	0.122440034	0.568464629
1.50	11.678	8.312	3.366	26.710	0.081967612	0.650432242
1.75	15.639	10.208	5.431	32.141	0.132253744	0.782685986
2.00	9.355	5.307	4.048	36.189	0.098575429	0.881261415
2.25	4.616	1.716	2.900	39.089	0.070619749	0.951881164
2.50	1.506	0.399	1.107	40.196	0.026957263	0.978838427
2.75	0.495	0.124	0.371	40.567	0.009034458	0.987872884
3.00	0.300	0.075	0.225	40.792	0.005479118	0.993352003
3.25	0.162	0.028	0.134	40.926	0.003263119	0.996615122
3.50	0.085	0.015	0.070	40.996	0.001704615	0.998319737
3.75	0.041	0.008	0.033	41.029	0.000803604	0.999123341
4.00	0.015	0.000	0.015	41.044	0.000365275	0.999488616
PAN	0.021	0.000	0.021	41.065	0.000511384	1.0

TOTAL WT.	87.416	grams
CO3 WT	41.065	grams
% CARBONATE	46.98%	

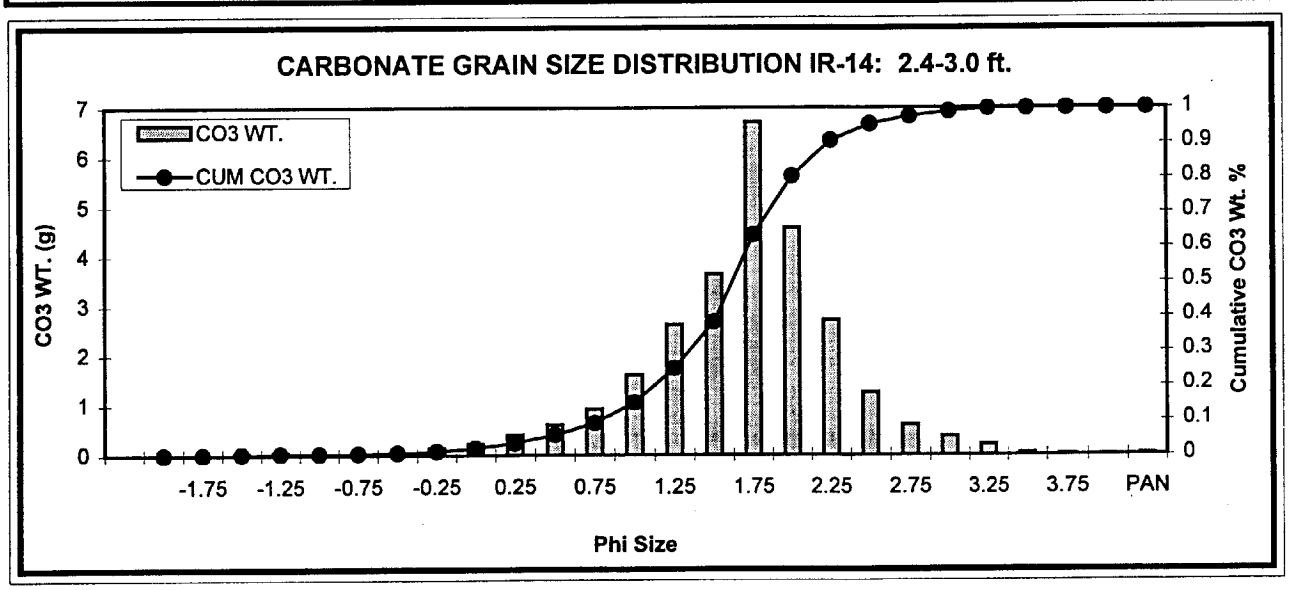


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-14: 2.4-3.0 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.039	0.000	0.039	0.039	0.001452081	0.001452081
-1.25	0.050	0.000	0.050	0.089	0.001861643	0.003313724
-1.00	0.017	0.000	0.017	0.106	0.000632959	0.003946683
-0.75	0.013	0.000	0.013	0.119	0.000484027	0.004430710
-0.50	0.044	0.000	0.044	0.163	0.001638246	0.006068955
-0.25	0.147	0.007	0.140	0.303	0.005212600	0.011281555
0.00	0.233	0.011	0.222	0.525	0.008265694	0.019547248
0.25	0.478	0.073	0.405	0.930	0.015079306	0.034626554
0.50	0.840	0.238	0.602	1.532	0.022414178	0.057040733
0.75	1.596	0.678	0.918	2.450	0.034179760	0.091220493
1.00	3.619	2.011	1.608	4.058	0.059870430	0.151090923
1.25	7.667	5.045	2.622	6.680	0.097624544	0.248715467
1.50	11.446	7.806	3.640	10.320	0.135527590	0.384243056
1.75	20.677	13.966	6.711	17.031	0.249869685	0.634112741
2.00	14.892	10.307	4.585	21.616	0.170712637	0.804825378
2.25	9.196	6.476	2.720	24.336	0.101273364	0.906098742
2.50	6.272	5.019	1.253	25.589	0.046652766	0.952751508
2.75	4.495	3.898	0.597	26.186	0.022228014	0.974979522
3.00	2.502	2.125	0.377	26.563	0.014036786	0.989016308
3.25	0.826	0.616	0.210	26.773	0.007818899	0.996835207
3.50	0.144	0.108	0.036	26.809	0.001340383	0.998175590
3.75	0.034	0.014	0.020	26.829	0.000744657	0.998920247
4.00	0.009	0.000	0.009	26.838	0.000335096	0.999255343
PAN	0.020	0.000	0.020	26.858	0.000744657	1.0

TOTAL WT.	85.256	grams
CO3 WT	26.858	grams
% CARBONATE	31.50%	

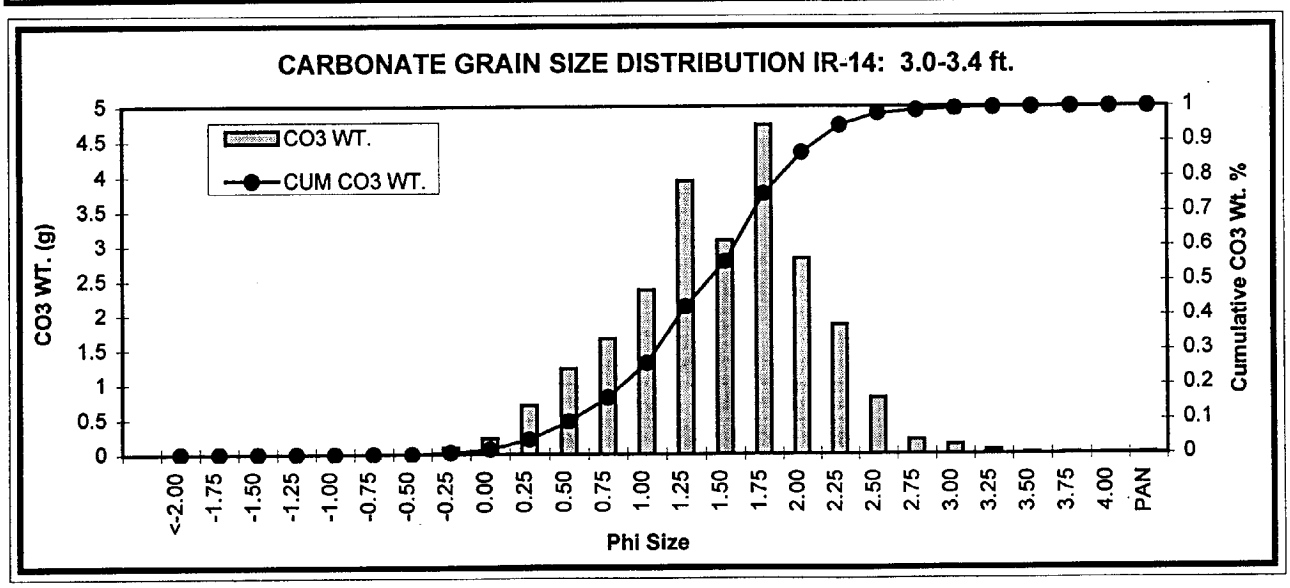


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-14: 3.0-3.4 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.50	0.007	0.006	0.001	0.001	0.000041630	0.000041630
-0.25	0.099	0.000	0.099	0.100	0.004121394	0.004163024
0.00	0.230	0.005	0.225	0.325	0.009366804	0.013529828
0.25	0.789	0.084	0.705	1.030	0.029349319	0.042879147
0.50	1.648	0.415	1.233	2.263	0.051330086	0.094209234
0.75	3.217	1.549	1.668	3.931	0.069439241	0.163648474
1.00	6.928	4.566	2.362	6.293	0.098330627	0.261979102
1.25	12.125	8.182	3.943	10.236	0.164148037	0.426127139
1.50	12.589	9.503	3.086	13.322	0.128470921	0.554598060
1.75	18.061	13.331	4.730	18.052	0.196911036	0.751509096
2.00	10.955	8.130	2.825	20.877	0.117605429	0.869114525
2.25	5.250	3.383	1.867	22.744	0.077723658	0.946838183
2.50	1.831	1.019	0.812	23.556	0.033803755	0.980641938
2.75	0.664	0.463	0.201	23.757	0.008367678	0.989009617
3.00	0.355	0.215	0.140	23.897	0.005828234	0.994837850
3.25	0.103	0.046	0.057	23.954	0.002372924	0.997210774
3.50	0.035	0.016	0.019	23.973	0.000790975	0.998001748
3.75	0.019	0.000	0.019	23.992	0.000790975	0.998792723
4.00	0.010	0.000	0.010	24.002	0.000416302	0.999209025
PAN	0.019	0.000	0.019	24.021	0.000790975	1.0

TOTAL WT.	74.934	grams
CO3 WT	24.021	grams
% CARBONATE	32.06%	

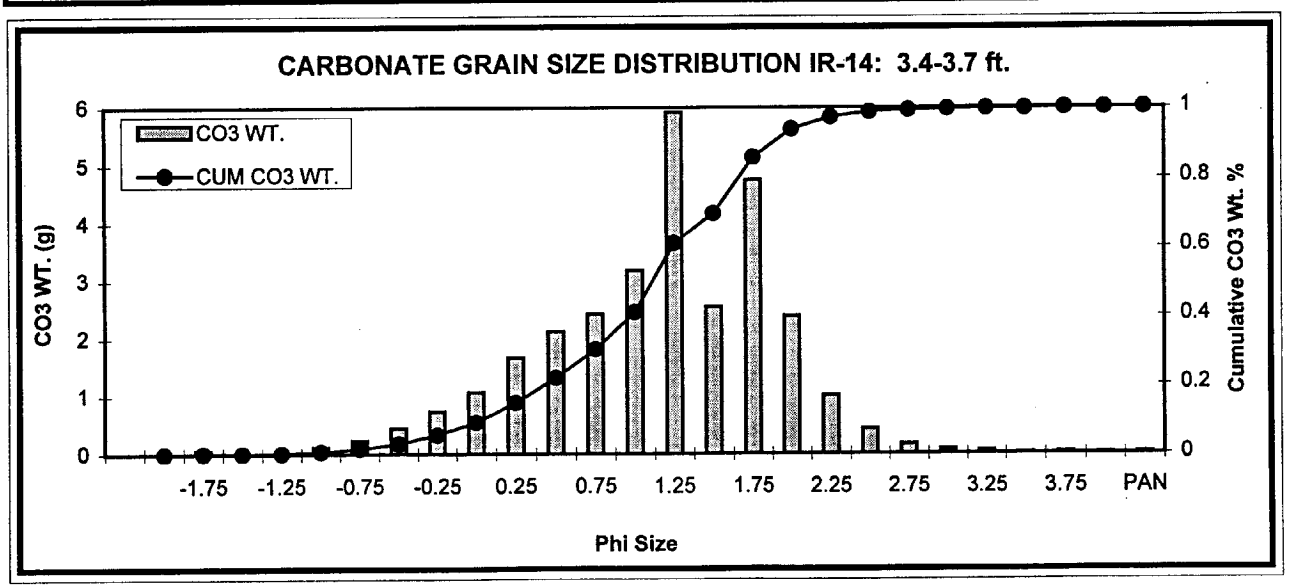


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-14: 3.4-3.7 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.064	0.000	0.064	0.064	0.002163624	0.002163624
-1.50	0.000	0.000	0.000	0.064	0.000000000	0.002163624
-1.25	0.023	0.000	0.023	0.087	0.000777552	0.002941176
-1.00	0.126	0.000	0.126	0.213	0.004259635	0.007200811
-0.75	0.239	0.000	0.239	0.452	0.008079784	0.015280595
-0.50	0.450	0.000	0.450	0.902	0.015212982	0.030493577
-0.25	0.741	0.000	0.741	1.643	0.025050710	0.055544287
0.00	1.150	0.075	1.075	2.718	0.036342123	0.091886410
0.25	1.939	0.265	1.674	4.392	0.056592292	0.148478702
0.50	2.950	0.826	2.124	6.516	0.071805274	0.220283976
0.75	4.693	2.263	2.430	8.946	0.082150101	0.302434077
1.00	8.647	5.462	3.185	12.131	0.107674104	0.410108181
1.25	15.170	9.251	5.919	18.050	0.200101420	0.610209601
1.50	12.063	9.514	2.549	20.599	0.086173090	0.696382691
1.75	16.730	11.970	4.760	25.359	0.160919540	0.857302231
2.00	9.462	7.068	2.394	27.753	0.080933063	0.938235294
2.25	5.370	4.359	1.011	28.764	0.034178499	0.972413793
2.50	3.834	3.413	0.421	29.185	0.014232590	0.986646383
2.75	2.294	2.123	0.171	29.356	0.005780933	0.992427316
3.00	0.966	0.887	0.079	29.435	0.002670723	0.995098039
3.25	0.271	0.216	0.055	29.490	0.001859364	0.996957404
3.50	0.055	0.034	0.021	29.511	0.000709939	0.997667343
3.75	0.030	0.000	0.030	29.541	0.001014199	0.998681542
4.00	0.015	0.000	0.015	29.556	0.000507099	0.999188641
PAN	0.024	0.000	0.024	29.580	0.000811359	1.0

TOTAL WT.	87.306	grams
CO3 WT	29.580	grams
% CARBONATE	33.88%	

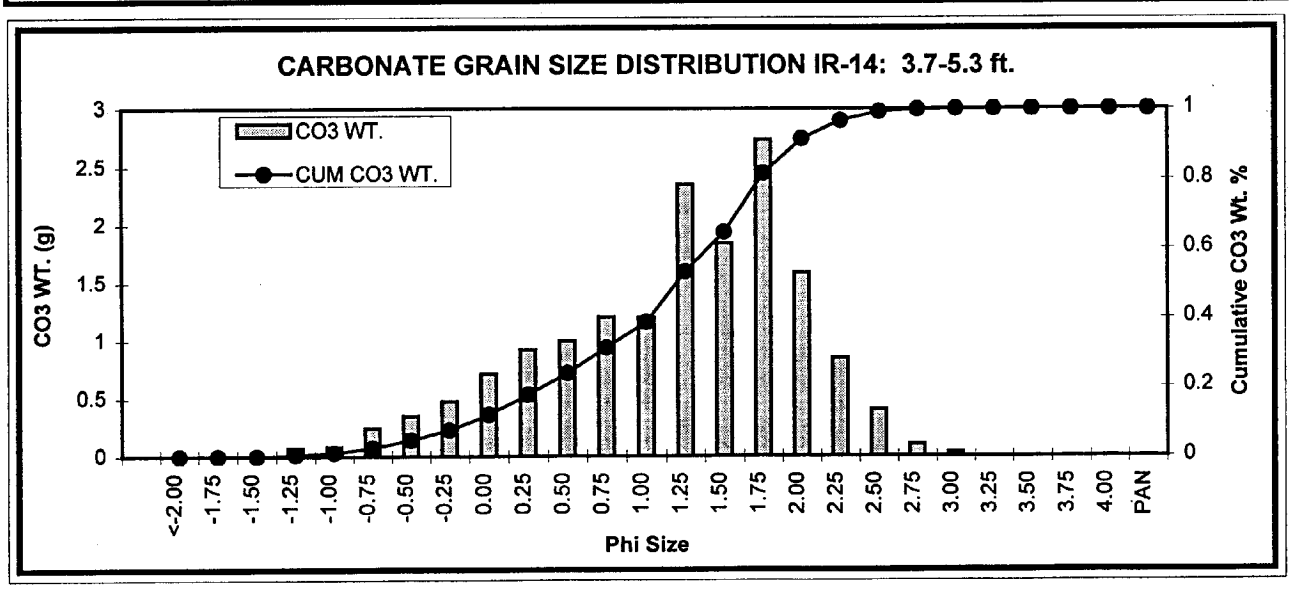


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-14: 3.7-5.3 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.076	0.000	0.076	0.076	0.004698318	0.004698318
-1.00	0.084	0.000	0.084	0.160	0.005192878	0.009891197
-0.75	0.245	0.000	0.245	0.405	0.015145895	0.025037092
-0.50	0.350	0.000	0.350	0.755	0.021636993	0.046674085
-0.25	0.512	0.036	0.476	1.231	0.029426311	0.076100396
0.00	0.800	0.088	0.712	1.943	0.044015826	0.120116222
0.25	1.204	0.281	0.923	2.866	0.057059842	0.177176063
0.50	1.666	0.670	0.996	3.862	0.061572700	0.238748764
0.75	2.771	1.570	1.201	5.063	0.074245796	0.312994560
1.00	5.117	3.918	1.199	6.262	0.074122156	0.387116716
1.25	8.578	6.225	2.353	8.615	0.145462413	0.532579130
1.50	9.398	7.557	1.841	10.456	0.113810584	0.646389713
1.75	13.898	11.160	2.738	13.194	0.169263106	0.815652819
2.00	9.381	7.794	1.587	14.781	0.098108309	0.913761128
2.25	5.378	4.530	0.848	15.629	0.052423343	0.966184471
2.50	2.427	2.027	0.400	16.029	0.024727992	0.990912463
2.75	1.114	1.013	0.101	16.130	0.006243818	0.997156281
3.00	0.722	0.686	0.036	16.166	0.002225519	0.999381800
3.25	0.407	0.405	0.002	16.168	0.000123640	0.999505440
3.50	0.131	0.129	0.002	16.170	0.000123640	0.999629080
3.75	0.051	0.049	0.002	16.172	0.000123640	0.999752720
4.00	0.019	0.017	0.002	16.174	0.000123640	0.999876360
PAN	0.024	0.022	0.002	16.176	0.000123640	1.0

TOTAL WT.	64.353	grams
CO3 WT	16.176	grams
% CARBONATE	25.14%	

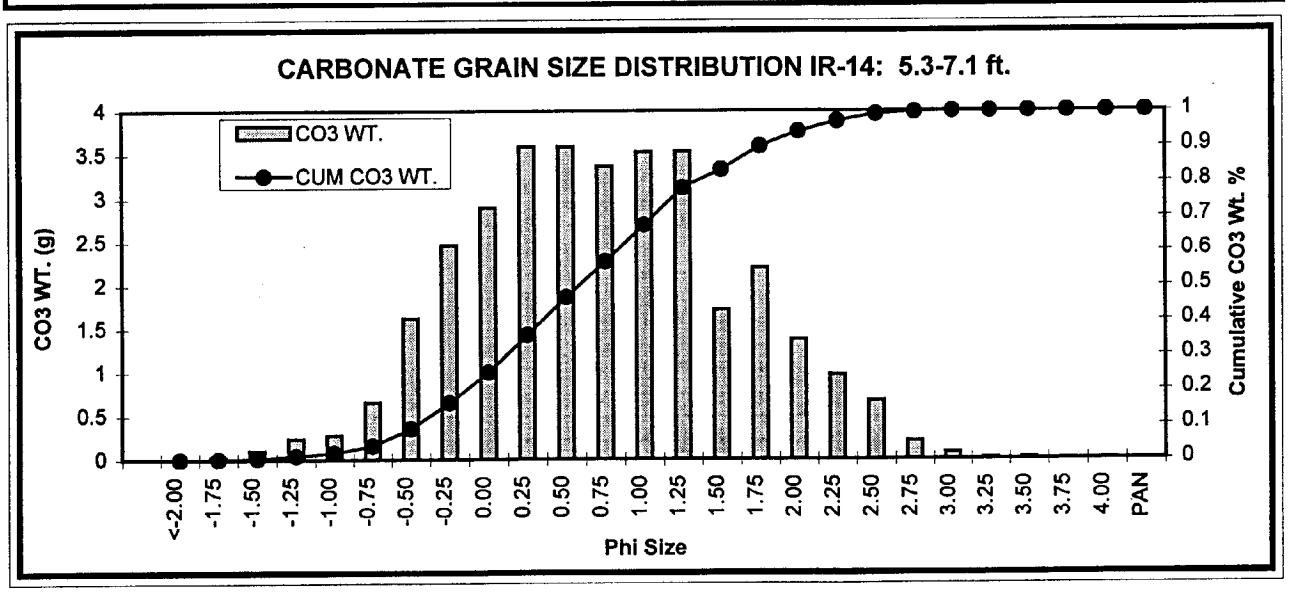


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-14: 5.3-7.1 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.031	0.000	0.031	0.031	0.000933622	0.000933622
-1.50	0.104	0.000	0.104	0.135	0.003132153	0.004065775
-1.25	0.241	0.000	0.241	0.376	0.007258162	0.011323937
-1.00	0.279	0.000	0.279	0.655	0.008402602	0.019726539
-0.75	0.659	0.000	0.659	1.314	0.019847006	0.039573545
-0.50	1.643	0.019	1.624	2.938	0.048909770	0.088483315
-0.25	2.551	0.082	2.469	5.407	0.074358511	0.162841826
0.00	3.204	0.304	2.900	8.307	0.087338875	0.250180701
0.25	4.665	1.068	3.597	11.904	0.108330322	0.358511023
0.50	5.656	2.058	3.598	15.502	0.108360439	0.466871461
0.75	6.687	3.314	3.373	18.875	0.101584146	0.568455608
1.00	8.558	5.028	3.530	22.405	0.106312492	0.674768100
1.25	9.213	5.671	3.542	25.947	0.106673895	0.781441995
1.50	6.717	4.998	1.719	27.666	0.051770871	0.833212866
1.75	8.258	6.056	2.202	29.868	0.066317311	0.899530177
2.00	5.974	4.597	1.377	31.245	0.041470907	0.941001084
2.25	4.431	3.461	0.970	32.215	0.029213348	0.970214432
2.50	2.281	1.611	0.670	32.885	0.020178292	0.990392724
2.75	0.718	0.515	0.203	33.088	0.006113721	0.996506445
3.00	0.326	0.248	0.078	33.166	0.002349115	0.998855560
3.25	0.125	0.109	0.016	33.182	0.000481870	0.999337429
3.50	0.056	0.043	0.013	33.195	0.000391519	0.999728948
3.75	0.033	0.029	0.004	33.199	0.000120467	0.999849416
4.00	0.021	0.018	0.003	33.202	0.000090351	0.999939766
PAN	0.041	0.039	0.002	33.204	0.000060234	1.0

TOTAL WT.	72.472	grams
CO3 WT	33.204	grams
% CARBONATE	45.82%	

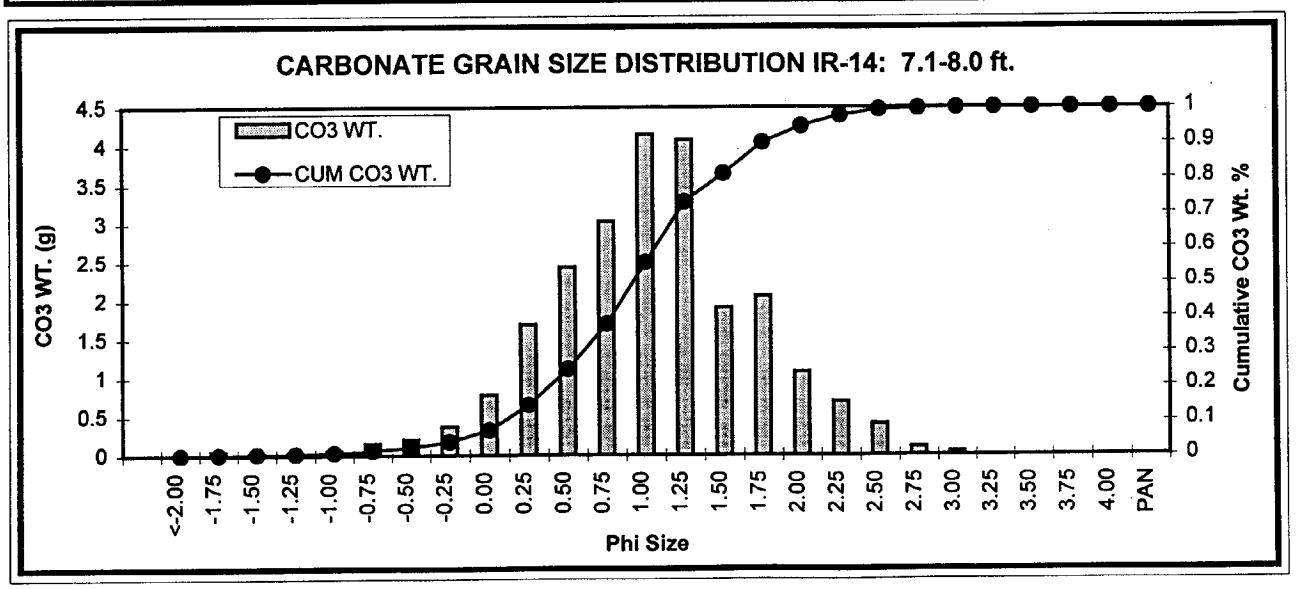


CARBONATE GRAIN SIZE DISTRIBUTION

CORE IR-14: 7.1-8.0 ft.

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.054	0.000	0.054	0.054	0.002306312	0.002306312
-1.50	0.031	0.000	0.031	0.085	0.001323994	0.003630307
-1.25	0.033	0.000	0.033	0.118	0.001409413	0.005039720
-1.00	0.063	0.000	0.063	0.181	0.002690698	0.007730418
-0.75	0.154	0.000	0.154	0.335	0.006577261	0.014307679
-0.50	0.206	0.004	0.202	0.537	0.008627317	0.022934996
-0.25	0.389	0.018	0.371	0.908	0.015845221	0.038780217
0.00	0.811	0.030	0.781	1.689	0.033356112	0.072136329
0.25	1.942	0.247	1.695	3.384	0.072392586	0.144528914
0.50	3.450	1.010	2.440	5.824	0.104211156	0.248740070
0.75	6.201	3.168	3.033	8.857	0.129537883	0.378277953
1.00	10.901	6.744	4.157	13.014	0.177543350	0.555821303
1.25	12.885	8.805	4.080	17.094	0.174254719	0.730076023
1.50	8.611	6.694	1.917	19.011	0.081874092	0.811950115
1.75	8.442	6.379	2.063	21.074	0.088109678	0.900059793
2.00	4.862	3.784	1.078	22.152	0.046040830	0.946100624
2.25	2.801	2.109	0.692	22.844	0.029554967	0.975655591
2.50	1.122	0.714	0.408	23.252	0.017425472	0.993081063
2.75	0.340	0.236	0.104	23.356	0.004441787	0.997522850
3.00	0.169	0.122	0.047	23.403	0.002007346	0.999530196
3.25	0.075	0.070	0.005	23.408	0.000213547	0.999743743
3.50	0.038	0.037	0.001	23.409	0.000042709	0.999786453
3.75	0.028	0.027	0.001	23.410	0.000042709	0.999829162
4.00	0.014	0.012	0.002	23.412	0.000085419	0.999914581
PAN	0.042	0.040	0.002	23.414	0.000085419	1.0

TOTAL WT.	63.664	grams
CO3 WT	23.414	grams
% CARBONATE	36.78%	

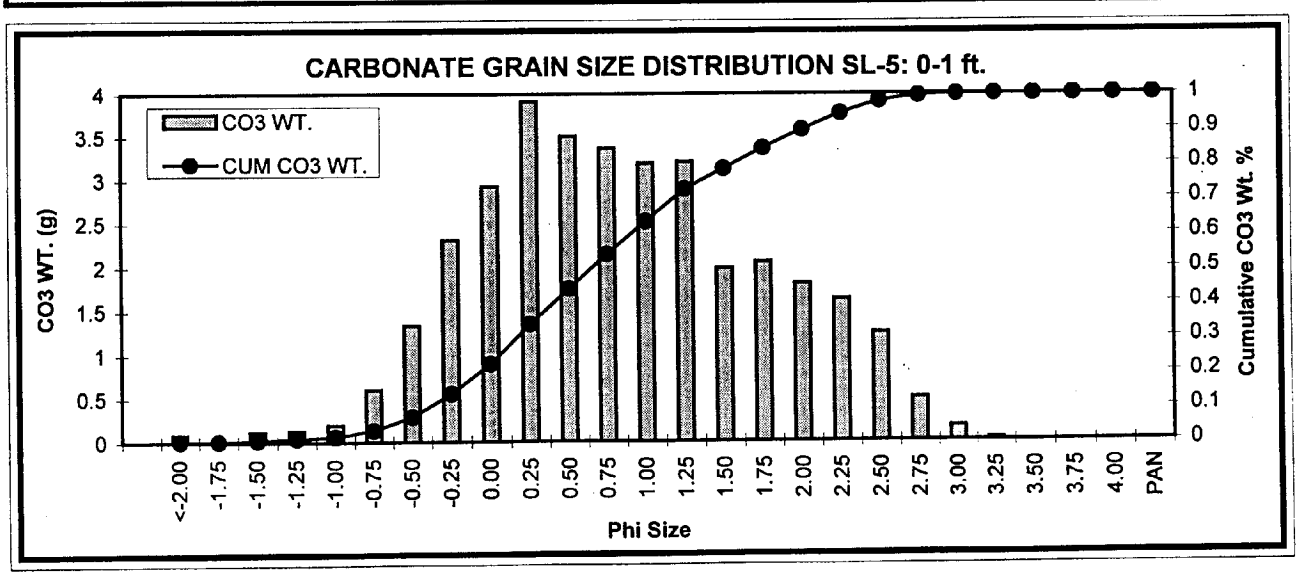


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-5 : 0-1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.086	0.000	0.086	0.086	0.002501673	0.002501673
-1.75	0.000	0.000	0.000	0.086	0.000000000	0.002501673
-1.50	0.118	0.000	0.118	0.204	0.003432528	0.005934200
-1.25	0.134	0.000	0.134	0.338	0.003897955	0.009832155
-1.00	0.196	0.000	0.196	0.534	0.005701486	0.015533642
-0.75	0.601	0.000	0.601	1.135	0.017482619	0.033016261
-0.50	1.347	0.010	1.337	2.472	0.038892283	0.071908544
-0.25	2.390	0.076	2.314	4.786	0.067312447	0.139220991
0.00	3.255	0.320	2.935	7.721	0.085376851	0.224597842
0.25	4.787	0.872	3.915	11.636	0.113884283	0.338482125
0.50	5.343	1.831	3.512	15.148	0.102161329	0.440643453
0.75	6.479	3.108	3.371	18.519	0.098059749	0.538703203
1.00	8.374	5.176	3.198	21.717	0.093027315	0.631730517
1.25	9.023	5.813	3.210	24.927	0.093376385	0.725106903
1.50	7.198	5.204	1.994	26.921	0.058003898	0.783110801
1.75	9.876	7.815	2.061	28.982	0.059952875	0.843063676
2.00	8.918	7.103	1.815	30.797	0.052796928	0.895860604
2.25	7.634	5.996	1.638	32.435	0.047648137	0.943508741
2.50	4.450	3.200	1.250	33.685	0.036361521	0.979870262
2.75	1.827	1.330	0.497	34.182	0.014457341	0.994327603
3.00	0.855	0.687	0.168	34.350	0.004886988	0.999214591
3.25	0.335	0.308	0.027	34.377	0.000785409	1.000000000
3.50	0.096	0.096	0.000	34.377	0.000000000	1.000000000
3.75	0.033	0.033	0.000	34.377	0.000000000	1.000000000
4.00	0.014	0.014	0.000	34.377	0.000000000	1.000000000
PAN	0.027	0.027	0.000	34.377	0.000000000	1.0

TOTAL WT.	83.396	grams
CO3 WT	34.377	grams
% CARBONATE	41.22%	

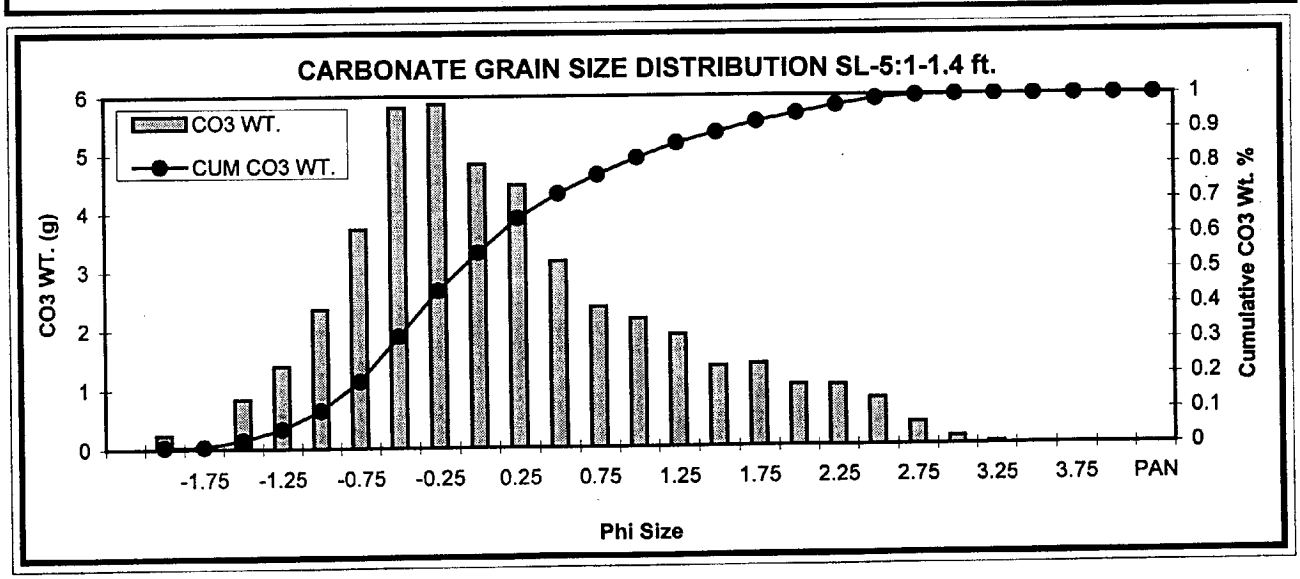


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-5 : 1-1.4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.238	0.000	0.238	0.238	0.005237676	0.005237676
-1.75	0.042	0.000	0.042	0.280	0.000924296	0.006161972
-1.50	0.834	0.000	0.834	1.114	0.018353873	0.024515845
-1.25	1.398	0.000	1.398	2.512	0.030765845	0.055281690
-1.00	2.358	0.000	2.358	4.870	0.051892606	0.107174296
-0.75	3.728	0.000	3.728	8.598	0.082042254	0.189216549
-0.50	5.898	0.085	5.813	14.411	0.127926937	0.317143486
-0.25	6.171	0.302	5.869	20.280	0.129159331	0.446302817
0.00	5.510	0.675	4.835	25.115	0.106404049	0.552706866
0.25	5.743	1.266	4.477	29.592	0.098525528	0.651232394
0.50	4.703	1.534	3.169	32.761	0.069740317	0.720972711
0.75	4.458	2.071	2.387	35.148	0.052530810	0.773503521
1.00	5.252	3.071	2.181	37.329	0.047997359	0.821500880
1.25	5.139	3.234	1.905	39.234	0.041923415	0.863424296
1.50	4.502	3.136	1.366	40.600	0.030061620	0.893485915
1.75	5.956	4.548	1.408	42.008	0.030985915	0.924471831
2.00	5.223	4.183	1.040	43.048	0.022887324	0.947359155
2.25	4.666	3.638	1.028	44.076	0.022623239	0.969982394
2.50	2.974	2.171	0.803	44.879	0.017671655	0.987654049
2.75	1.488	1.109	0.379	45.258	0.008340669	0.995994718
3.00	0.765	0.633	0.132	45.390	0.002904930	0.998899648
3.25	0.340	0.302	0.038	45.428	0.000836268	0.999735915
3.50	0.106	0.100	0.006	45.434	0.000132042	0.999867958
3.75	0.032	0.030	0.002	45.436	0.000044014	0.999911972
4.00	0.015	0.013	0.002	45.438	0.000044014	0.999955986
PAN	0.019	0.017	0.002	45.440	0.000044014	1.0

TOTAL WT.	77.558	grams
CO3 WT	45.440	grams
% CARBONATE	58.59%	

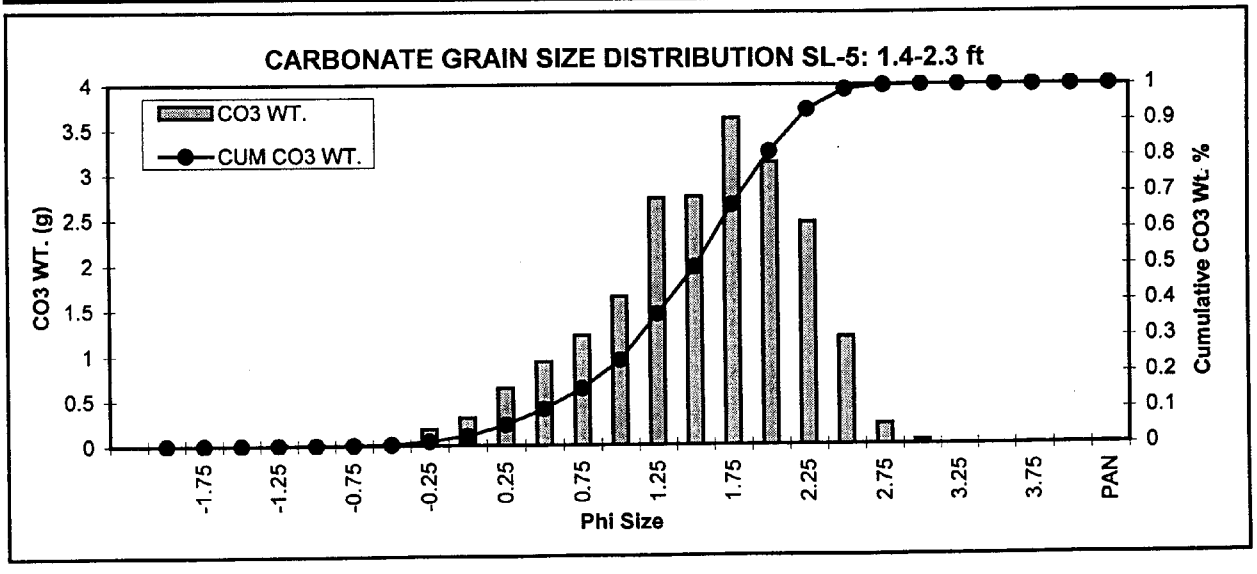


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-5 : 1.4-2.3 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.016	0.000	0.016	0.016	0.000754966	0.000754966
-1.00	0.011	0.000	0.011	0.027	0.000519039	0.001274006
-0.75	0.020	0.000	0.020	0.047	0.000943708	0.002217713
-0.50	0.030	0.000	0.030	0.077	0.001415562	0.003633275
-0.25	0.195	0.009	0.186	0.263	0.008776483	0.012409758
0.00	0.324	0.015	0.309	0.572	0.014580286	0.026990044
0.25	0.711	0.076	0.635	1.207	0.029962724	0.056952767
0.50	1.191	0.265	0.926	2.133	0.043693672	0.100646440
0.75	2.103	0.885	1.218	3.351	0.057471807	0.158118247
1.00	4.613	2.965	1.648	4.999	0.077761525	0.235879772
1.25	8.449	5.715	2.734	7.733	0.129004860	0.364884632
1.50	10.624	7.877	2.747	10.480	0.129618270	0.494502902
1.75	18.188	14.563	3.625	14.105	0.171047044	0.665549946
2.00	15.367	12.231	3.136	17.241	0.147973387	0.813523333
2.25	9.753	7.283	2.470	19.711	0.116547917	0.930071250
2.50	3.213	2.010	1.203	20.914	0.056764026	0.986835276
2.75	0.556	0.329	0.227	21.141	0.010711084	0.997546360
3.00	0.185	0.144	0.041	21.182	0.001934601	0.999480961
3.25	0.074	0.069	0.005	21.187	0.000235927	0.999716888
3.50	0.032	0.032	0.000	21.187	0.000000000	0.999716888
3.75	0.017	0.015	0.002	21.189	0.000094371	0.999811258
4.00	0.009	0.007	0.002	21.191	0.000094371	0.999905629
PAN	0.013	0.011	0.002	21.193	0.000094371	1.0

TOTAL WT.	75.694	grams
CO3 WT	21.193	grams
% CARBONATE	27.998	

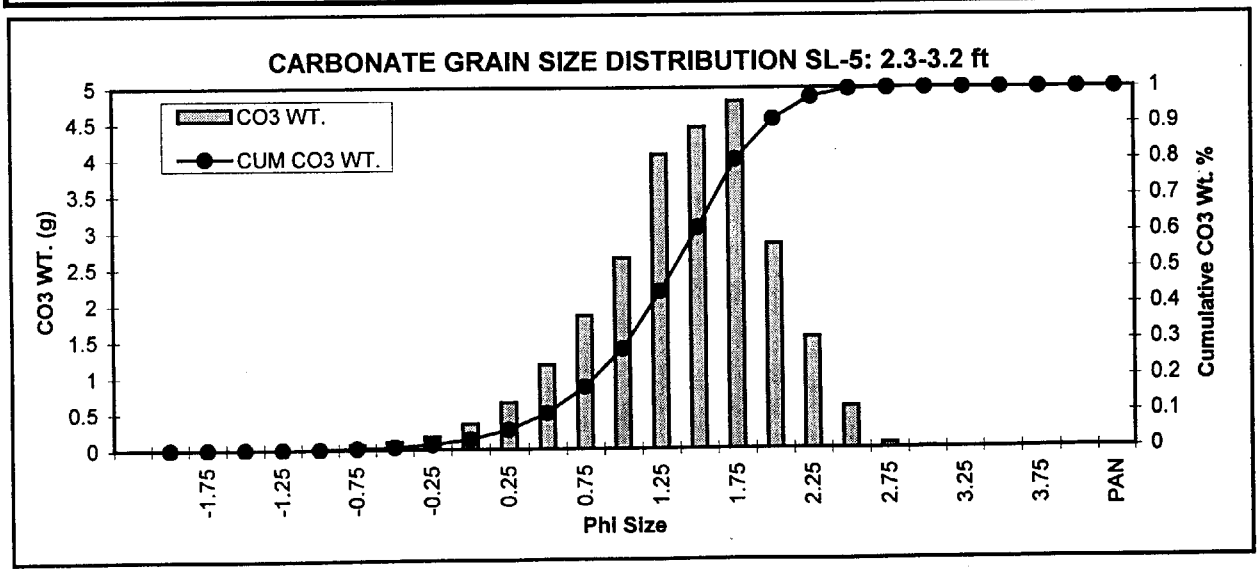


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-5 : 2.3-3.2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.014	0.000	0.014	0.014	0.000551094	0.000551094
-0.75	0.068	0.000	0.068	0.082	0.002676744	0.003227838
-0.50	0.107	0.000	0.107	0.189	0.004211935	0.007439773
-0.25	0.182	0.000	0.182	0.371	0.007164226	0.014603999
0.00	0.372	0.015	0.357	0.728	0.014052905	0.028656904
0.25	0.722	0.072	0.650	1.378	0.025586522	0.054243426
0.50	1.498	0.329	1.169	2.547	0.046016375	0.100259802
0.75	2.949	1.104	1.845	4.392	0.072626358	0.172886160
1.00	6.722	4.082	2.640	7.032	0.103920642	0.276806802
1.25	13.052	8.985	4.067	11.099	0.160092899	0.436899701
1.50	14.762	10.308	4.454	15.553	0.175326720	0.612226421
1.75	19.852	15.044	4.808	20.361	0.189261534	0.801487955
2.00	11.916	9.082	2.834	23.195	0.111557235	0.913045190
2.25	5.647	4.102	1.545	24.740	0.060817194	0.973862384
2.50	1.569	0.988	0.581	25.321	0.022870414	0.996732798
2.75	0.325	0.260	0.065	25.386	0.002558652	0.999291450
3.00	0.153	0.142	0.011	25.397	0.000433003	0.999724453
3.25	0.075	0.074	0.001	25.398	0.000039364	0.999763817
3.50	0.038	0.037	0.001	25.399	0.000039364	0.999803181
3.75	0.029	0.028	0.001	25.400	0.000039364	0.999842544
4.00	0.017	0.015	0.002	25.402	0.000078728	0.999921272
PAN	0.020	0.018	0.002	25.404	0.000078728	1.0

TOTAL WT.	80.089	grams
CO3 WT	25.404	grams
% CARBONATE	31.720	

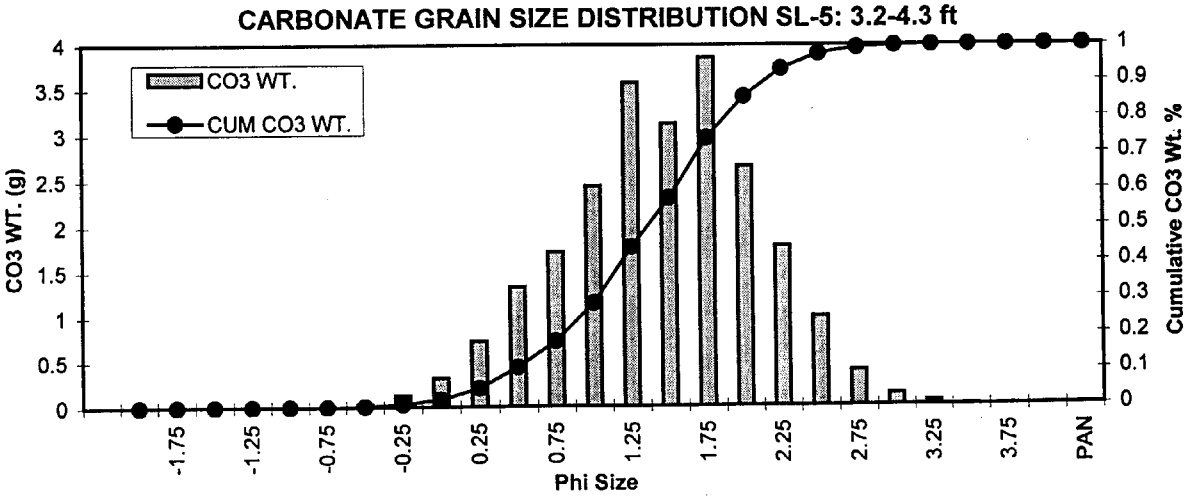


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-5 : 3.2-4.3 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.006	0.000	0.006	0.006	0.000257965	0.000257965
-0.50	0.027	0.000	0.027	0.033	0.001160841	0.001418806
-0.25	0.128	0.000	0.128	0.161	0.005503246	0.006922052
0.00	0.342	0.023	0.319	0.480	0.013715121	0.020637173
0.25	0.818	0.087	0.731	1.211	0.031428694	0.052065867
0.50	1.715	0.386	1.329	2.540	0.057139172	0.109205039
0.75	2.940	1.222	1.718	4.258	0.073863881	0.183068920
1.00	6.169	3.726	2.443	6.701	0.105034610	0.288103530
1.25	11.608	8.029	3.579	10.280	0.153875919	0.441979449
1.50	12.312	9.189	3.123	13.403	0.134270605	0.576250054
1.75	17.654	13.800	3.854	17.257	0.165699299	0.741949353
2.00	13.099	10.446	2.653	19.910	0.114063373	0.856012726
2.25	8.513	6.737	1.776	21.686	0.076357539	0.932370265
2.50	3.841	2.848	0.993	22.679	0.042693151	0.975063416
2.75	1.508	1.120	0.388	23.067	0.016681715	0.991745131
3.00	0.764	0.635	0.129	23.196	0.005546240	0.997291371
3.25	0.340	0.289	0.051	23.247	0.002192700	0.999484071
3.50	0.100	0.094	0.006	23.253	0.000257965	0.999742035
3.75	0.048	0.046	0.002	23.255	0.000085988	0.999828024
4.00	0.018	0.016	0.002	23.257	0.000085988	0.999914012
PAN	0.032	0.030	0.002	23.259	0.000085988	1.0

TOTAL WT.	81.982	grams
CO3 WT	23.259	grams
% CARBONATE	28.371	

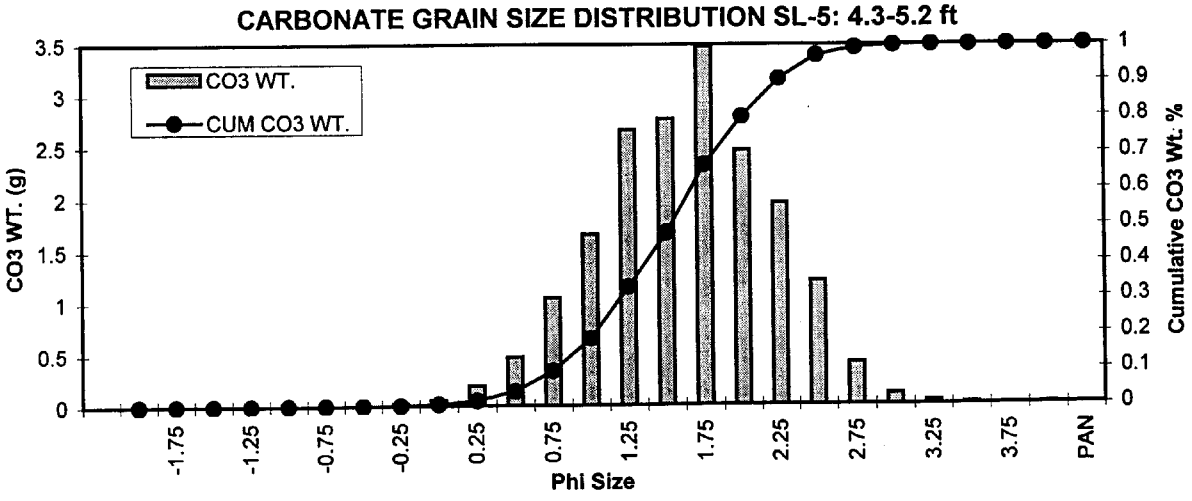


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-5 : 4.3-5.2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-0.25	0.024	0.000	0.024	0.024	0.001291156	0.001291156
0.00	0.060	0.004	0.056	0.080	0.003012696	0.004303852
0.25	0.204	0.012	0.192	0.272	0.010329245	0.014633097
0.50	0.545	0.070	0.475	0.747	0.025554121	0.040187218
0.75	1.479	0.431	1.048	1.795	0.056380461	0.096567678
1.00	4.105	2.442	1.663	3.458	0.089466322	0.186034000
1.25	8.063	5.400	2.663	6.121	0.143264472	0.329298472
1.50	10.541	7.770	2.771	8.892	0.149074672	0.478373144
1.75	15.665	12.186	3.479	12.371	0.187163762	0.665536906
2.00	11.810	9.339	2.471	14.842	0.132935227	0.798472133
2.25	7.936	5.972	1.964	16.806	0.105659565	0.904131698
2.50	3.693	2.479	1.214	18.020	0.065310953	0.969442651
2.75	1.349	0.940	0.409	18.429	0.022003443	0.991446094
3.00	0.634	0.531	0.103	18.532	0.005541209	0.996987304
3.25	0.270	0.236	0.034	18.566	0.001829137	0.998816441
3.50	0.090	0.079	0.011	18.577	0.000591780	0.999408220
3.75	0.042	0.039	0.003	18.580	0.000161394	0.999569615
4.00	0.027	0.021	0.006	18.586	0.000322789	0.999892404
PAN	0.024	0.022	0.002	18.588	0.000107596	1.0

TOTAL WT.	66.561	grams
CO3 WT	18.588	grams
% CARBONATE	27.926	

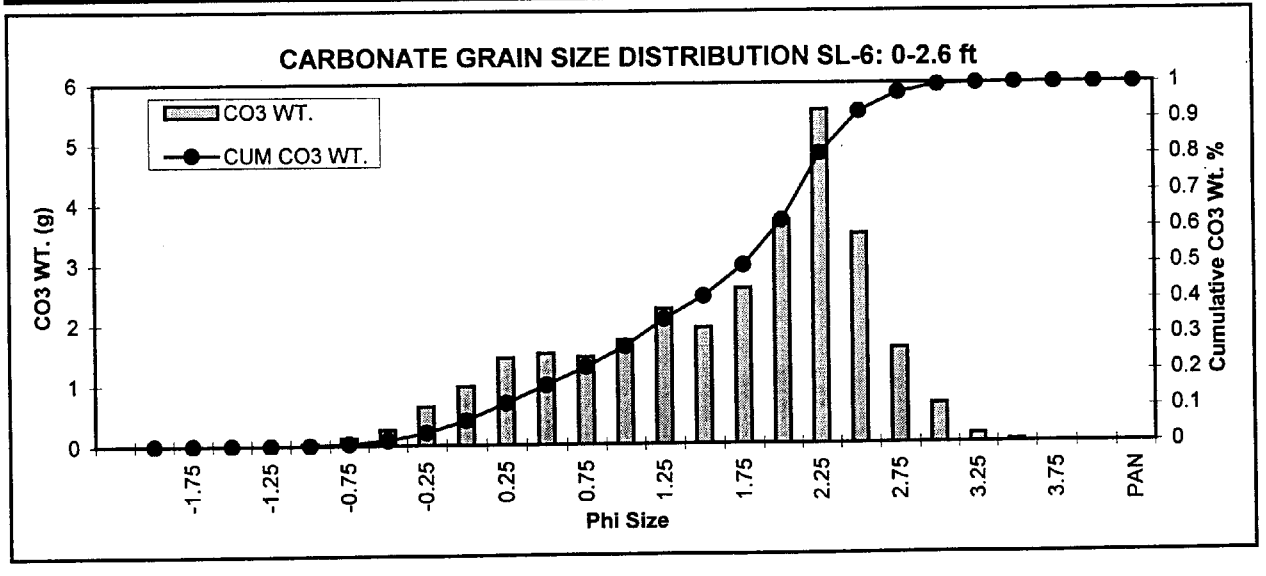


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-6 : 0-2.6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.037	0.000	0.037	0.037	0.001230053	0.001230053
-0.75	0.128	0.003	0.125	0.162	0.004155585	0.005385638
-0.50	0.257	0.000	0.257	0.419	0.008543883	0.013929521
-0.25	0.658	0.023	0.635	1.054	0.021110372	0.035039894
0.00	1.039	0.067	0.972	2.026	0.032313830	0.067353723
0.25	1.767	0.330	1.437	3.463	0.047772606	0.115126330
0.50	2.217	0.711	1.506	4.969	0.050066489	0.165192819
0.75	2.742	1.287	1.455	6.424	0.048371011	0.213563830
1.00	3.908	2.183	1.725	8.149	0.057347074	0.270910904
1.25	4.851	2.601	2.250	10.399	0.074800532	0.345711436
1.50	5.155	3.227	1.928	12.327	0.064095745	0.409807181
1.75	9.700	7.109	2.591	14.918	0.086136968	0.495944149
2.00	13.833	10.114	3.719	18.637	0.123636968	0.619581117
2.25	19.396	13.852	5.544	24.181	0.184308511	0.803889628
2.50	15.405	11.912	3.493	27.674	0.116123670	0.920013298
2.75	7.716	6.136	1.580	29.254	0.052526596	0.972539894
3.00	3.925	3.278	0.647	29.901	0.021509309	0.994049202
3.25	1.533	1.395	0.138	30.039	0.004587766	0.998636968
3.50	0.417	0.379	0.038	30.077	0.001263298	0.999900266
3.75	0.121	0.120	0.001	30.078	0.000033245	0.999933511
4.00	0.029	0.028	0.001	30.079	0.000033245	0.999966755
PAN	0.022	0.021	0.001	30.080	0.000033245	1.0

TOTAL WT.	94.856	grams
CO3 WT	30.080	grams
% CARBONATE	31.711	

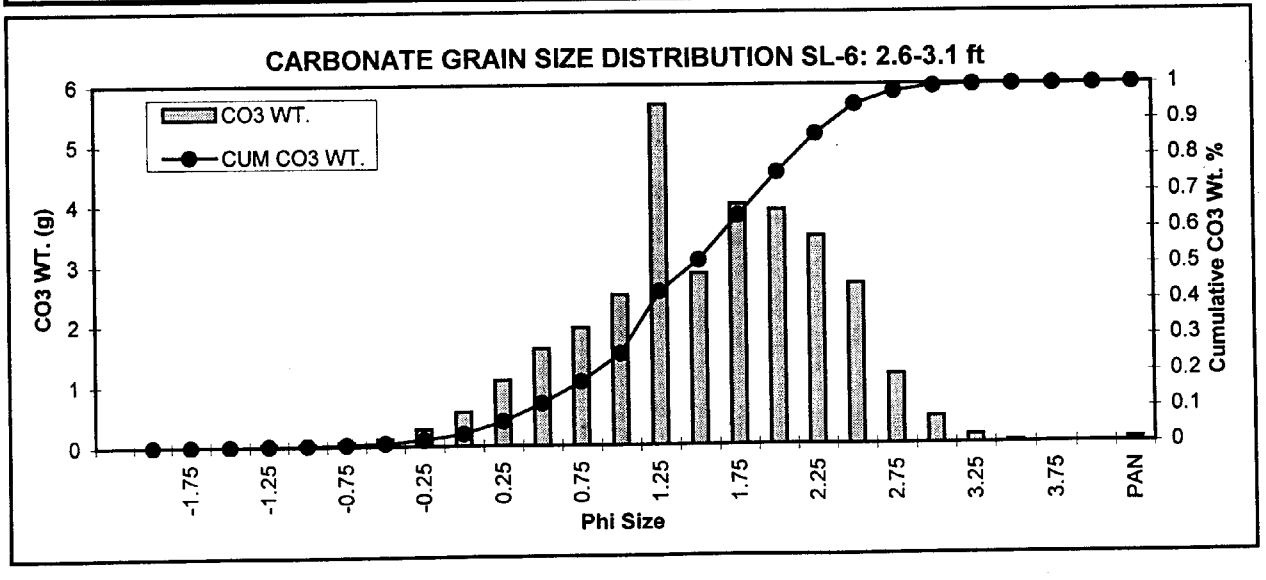


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-6 : 2.6-3.1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.044	0.000	0.044	0.044	0.001345237	0.001345237
-1.00	0.036	0.000	0.036	0.080	0.001100648	0.002445885
-0.75	0.067	0.000	0.067	0.147	0.002048429	0.004494313
-0.50	0.121	0.000	0.121	0.268	0.003699401	0.008193714
-0.25	0.293	0.008	0.285	0.553	0.008713465	0.016907179
0.00	0.584	0.019	0.565	1.118	0.017274061	0.034181240
0.25	1.174	0.090	1.084	2.202	0.033141739	0.067322979
0.50	2.049	0.439	1.610	3.812	0.049223432	0.116546411
0.75	3.351	1.401	1.950	5.762	0.059618442	0.176164853
1.00	5.961	3.457	2.504	8.266	0.076556194	0.252721047
1.25	9.154	3.485	5.669	13.935	0.173321512	0.426042558
1.50	10.131	7.273	2.858	16.793	0.087379234	0.513421793
1.75	16.212	12.201	4.011	20.804	0.122630549	0.636052342
2.00	16.744	12.835	3.909	24.713	0.119512046	0.755564388
2.25	15.891	12.423	3.468	28.181	0.106029106	0.861593494
2.50	9.780	7.096	2.684	30.865	0.082059435	0.943652929
2.75	3.832	2.668	1.164	32.029	0.035587624	0.979240553
3.00	1.519	1.068	0.451	32.480	0.013788676	0.993029228
3.25	0.492	0.359	0.133	32.613	0.004066283	0.997095512
3.50	0.147	0.119	0.028	32.641	0.000856060	0.997951571
3.75	0.065	0.062	0.003	32.644	0.000091721	0.998043292
4.00	0.026	0.026	0.000	32.644	0.000000000	0.998043292
PAN	0.027	0.065	0.064	32.708	0.001956708	1.0

TOTAL WT.	97.700	grams
CO3 WT	32.708	grams
% CARBONATE	33.478	

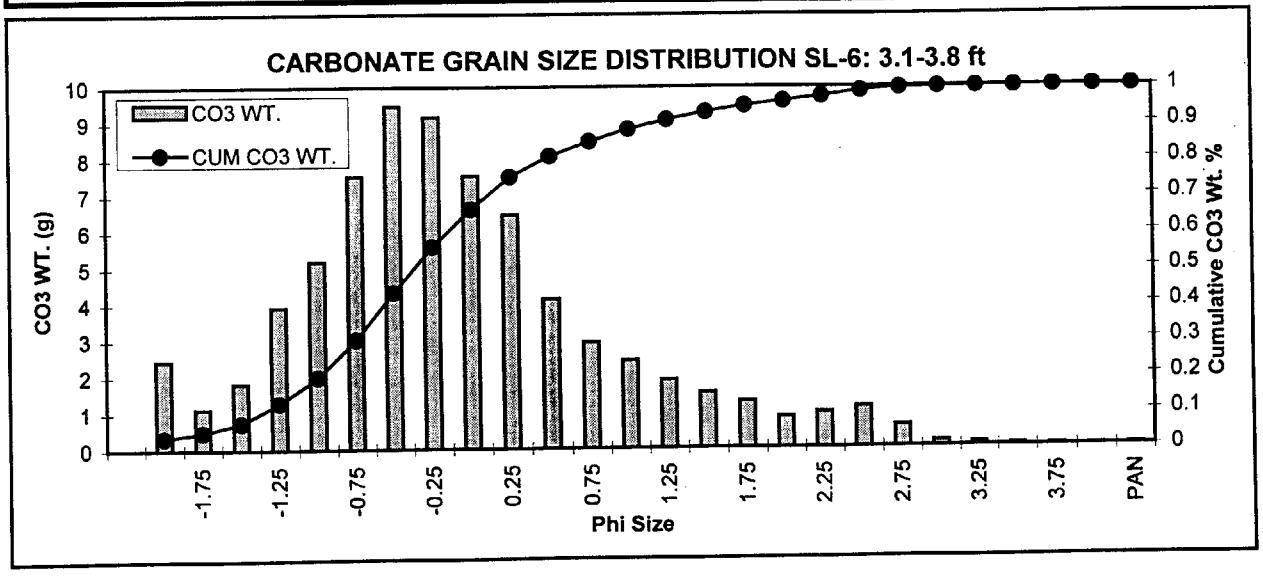


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-6 : 3.1-3.8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.452	0.000	2.452	2.452	0.033690111	0.033690111
-1.75	1.125	0.000	1.125	3.577	0.015457331	0.049147442
-1.50	1.829	0.000	1.829	5.406	0.025130185	0.074277627
-1.25	3.916	0.000	3.916	9.322	0.053805251	0.128082879
-1.00	5.189	0.000	5.189	14.511	0.071296080	0.199378959
-0.75	7.564	0.026	7.538	22.049	0.103570987	0.302949946
-0.50	9.632	0.161	9.471	31.520	0.130130116	0.433080062
-0.25	9.854	0.673	9.181	40.701	0.126145560	0.559225622
0.00	8.769	1.221	7.548	48.249	0.103708385	0.662934008
0.25	8.418	1.950	6.468	54.717	0.088869348	0.751803355
0.50	6.240	2.101	4.139	58.856	0.056869238	0.808672593
0.75	5.057	2.120	2.937	61.793	0.040353939	0.849026532
1.00	4.604	2.176	2.428	64.221	0.033360355	0.882386887
1.25	3.663	1.771	1.892	66.113	0.025995796	0.908382682
1.50	2.910	1.371	1.539	67.652	0.021145629	0.929528311
1.75	3.825	2.542	1.283	68.935	0.017628227	0.947156538
2.00	3.903	3.064	0.839	69.774	0.011527734	0.958684272
2.25	3.998	3.026	0.972	70.746	0.013355134	0.972039406
2.50	2.848	1.732	1.116	71.862	0.015333672	0.987373078
2.75	1.384	0.785	0.599	72.461	0.008230170	0.995603248
3.00	0.614	0.484	0.130	72.591	0.001786180	0.997389429
3.25	0.255	0.167	0.088	72.679	0.001209107	0.998598535
3.50	0.107	0.063	0.044	72.723	0.000604553	0.999203089
3.75	0.066	0.037	0.029	72.752	0.000398456	0.999601544
4.00	0.028	0.018	0.010	72.762	0.000137398	0.999738943
PAN	0.049	0.030	0.019	72.781	0.000261057	1.0

TOTAL WT.	98.299	grams
CO3 WT	72.781	grams
% CARBONATE	74.040	

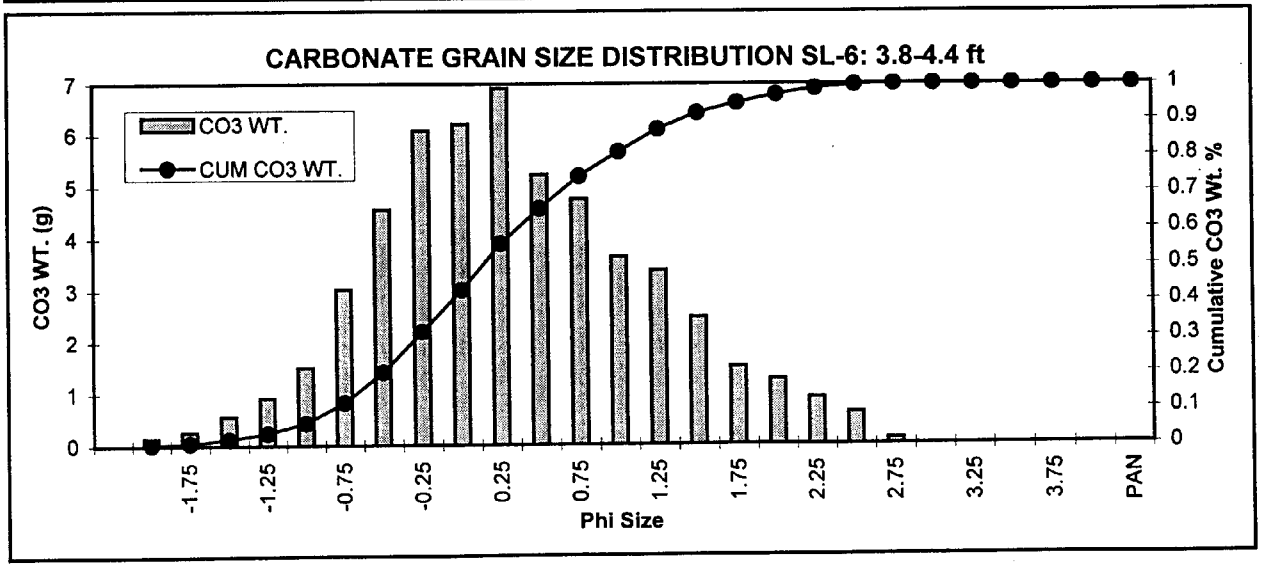


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-6 : 3.8-4.4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.148	0.000	0.148	0.148	0.002733855	0.002733855
-1.75	0.261	0.000	0.261	0.409	0.004821191	0.007555047
-1.50	0.558	0.000	0.558	0.967	0.010307374	0.017862421
-1.25	0.919	0.000	0.919	1.886	0.016975765	0.034838185
-1.00	1.508	0.000	1.508	3.394	0.027855771	0.062693956
-0.75	3.037	0.000	3.037	6.431	0.056099453	0.118793409
-0.50	4.608	0.042	4.566	10.997	0.084343136	0.203136545
-0.25	6.346	0.264	6.082	17.079	0.112346682	0.315483227
0.00	6.961	0.746	6.215	23.294	0.114803458	0.430286685
0.25	8.862	1.954	6.908	30.202	0.127604551	0.557891237
0.50	8.443	3.211	5.232	35.434	0.096645485	0.654536722
0.75	9.001	4.241	4.760	40.194	0.087926703	0.742463425
1.00	9.375	5.722	3.653	43.847	0.067478203	0.809941628
1.25	8.631	5.245	3.386	47.233	0.062546180	0.872487808
1.50	6.598	4.126	2.472	49.705	0.045662775	0.918150584
1.75	6.891	5.372	1.519	51.224	0.028058963	0.946209546
2.00	5.200	3.934	1.266	52.490	0.023385548	0.969595094
2.25	3.855	2.945	0.910	53.400	0.016809517	0.986404611
2.50	1.784	1.170	0.614	54.014	0.011341806	0.997746416
2.75	0.576	0.471	0.105	54.119	0.001939560	0.999685976
3.00	0.241	0.239	0.002	54.121	0.000036944	0.999722920
3.25	0.094	0.092	0.002	54.123	0.000036944	0.999759864
3.50	0.055	0.053	0.002	54.125	0.000036944	0.999796808
3.75	0.036	0.034	0.002	54.127	0.000036944	0.999833752
4.00	0.018	0.015	0.003	54.130	0.000055416	0.999889168
PAN	0.025	0.019	0.006	54.136	0.000110832	1.0

TOTAL WT.	94.031	grams
CO3 WT	54.136	grams
% CARBONATE	57.573	

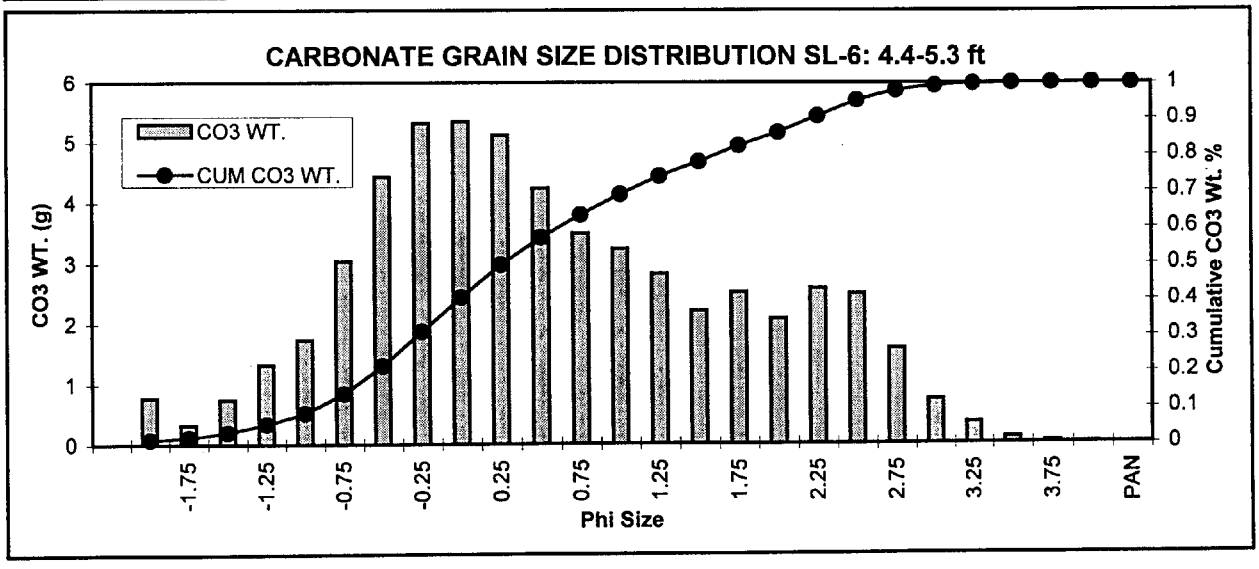


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-6 : 4.4-5.3 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.782	0.000	0.782	0.782	0.013792130	0.013792130
-1.75	0.328	0.000	0.328	1.110	0.005784934	0.019577065
-1.50	0.745	0.000	0.745	1.855	0.013139562	0.032716626
-1.25	1.326	0.000	1.326	3.181	0.023386656	0.056103282
-1.00	1.735	0.000	1.735	4.916	0.030600187	0.086703469
-0.75	3.041	0.005	3.036	7.952	0.053545918	0.140249387
-0.50	4.466	0.036	4.430	12.382	0.078131889	0.218381277
-0.25	5.523	0.202	5.321	17.703	0.093846452	0.312227729
0.00	5.924	0.569	5.355	23.058	0.094446110	0.406673839
0.25	6.756	1.626	5.130	28.188	0.090477786	0.497151625
0.50	6.586	2.339	4.247	32.435	0.074904319	0.572055945
0.75	6.597	3.099	3.498	35.933	0.061694210	0.633750154
1.00	7.160	3.916	3.244	39.177	0.057214413	0.690964567
1.25	6.551	3.719	2.832	42.009	0.049947971	0.740912538
1.50	5.564	3.350	2.214	44.223	0.039048308	0.779960846
1.75	7.368	4.848	2.520	46.743	0.044445228	0.824406074
2.00	7.790	5.714	2.076	48.819	0.036614402	0.861020477
2.25	9.096	6.518	2.578	51.397	0.045468174	0.906488651
2.50	7.589	5.088	2.501	53.898	0.044110125	0.950598776
2.75	4.226	2.641	1.585	55.483	0.027954638	0.978553414
3.00	2.181	1.451	0.730	56.213	0.012875007	0.991428420
3.25	0.992	0.645	0.347	56.560	0.006120037	0.997548458
3.50	0.269	0.170	0.099	56.659	0.001746063	0.999294520
3.75	0.100	0.069	0.031	56.690	0.000546747	0.999841267
4.00	0.039	0.032	0.007	56.697	0.000123459	0.999964726
PAN	0.039	0.037	0.002	56.699	0.000035274	1.0

TOTAL WT.	102.773	grams
CO3 WT	56.699	grams
% CARBONATE	55.169	

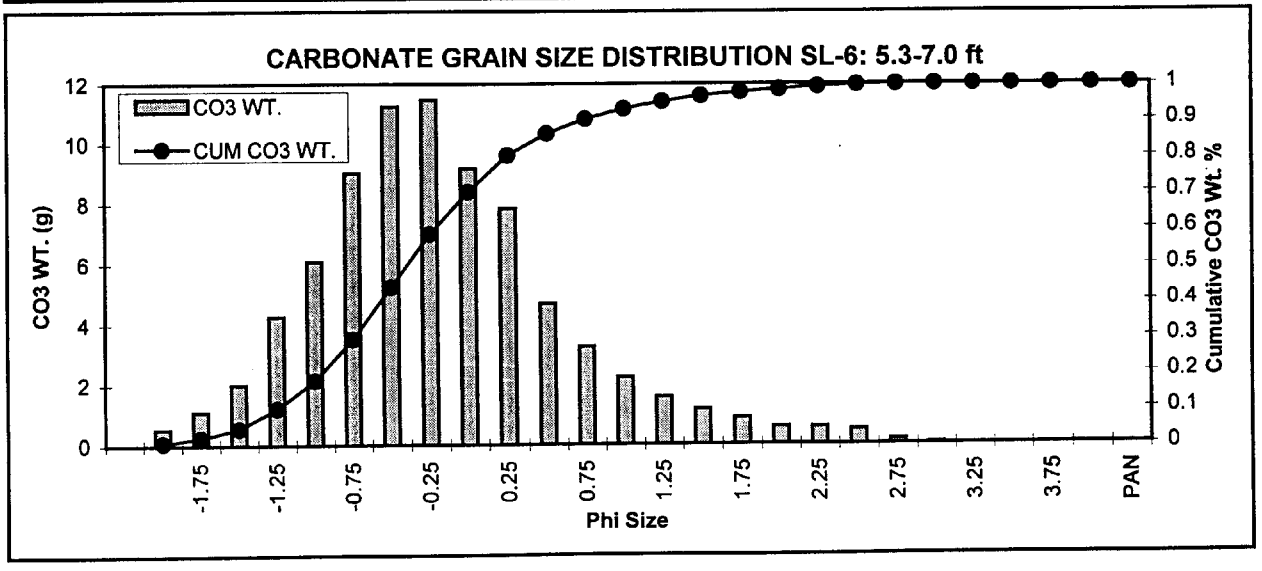


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-6 : 5.3-7.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.534	0.000	0.534	0.534	0.006812354	0.006812354
-1.75	1.100	0.000	1.100	1.634	0.014032939	0.020845293
-1.50	2.014	0.000	2.014	3.648	0.025693036	0.046538329
-1.25	4.275	0.000	4.275	7.923	0.054537104	0.101075433
-1.00	6.105	0.000	6.105	14.028	0.077882812	0.178958246
-0.75	9.055	0.016	9.039	23.067	0.115312488	0.294270734
-0.50	11.444	0.184	11.260	34.327	0.143646268	0.437917002
-0.25	12.185	0.724	11.461	45.788	0.146210469	0.584127470
0.00	10.686	1.518	9.168	54.956	0.116958169	0.701085639
0.25	10.290	2.439	7.851	62.807	0.100156914	0.801242553
0.50	7.141	2.456	4.685	67.492	0.059767563	0.861010116
0.75	5.429	2.185	3.244	70.736	0.041384413	0.902394530
1.00	4.544	2.304	2.240	72.976	0.028576167	0.930970697
1.25	3.521	1.948	1.573	74.549	0.020067103	0.951037800
1.50	2.954	1.792	1.162	75.711	0.014823887	0.965861686
1.75	3.310	2.439	0.871	76.582	0.011111536	0.976973223
2.00	3.130	2.549	0.581	77.163	0.007411943	0.984385166
2.25	2.711	2.149	0.562	77.725	0.007169556	0.991554722
2.50	1.510	1.042	0.468	78.193	0.005970378	0.997525100
2.75	0.546	0.397	0.149	78.342	0.001900825	0.999425925
3.00	0.267	0.232	0.035	78.377	0.000446503	0.999872428
3.25	0.130	0.128	0.002	78.379	0.000025514	0.999897942
3.50	0.075	0.073	0.002	78.381	0.000025514	0.999923457
3.75	0.041	0.039	0.002	78.383	0.000025514	0.999948971
4.00	0.024	0.022	0.002	78.385	0.000025514	0.999974486
PAN	0.028	0.026	0.002	78.387	0.000025514	1.0

TOTAL WT.	103.049	grams
CO3 WT	78.387	grams
% CARBONATE	76.068	

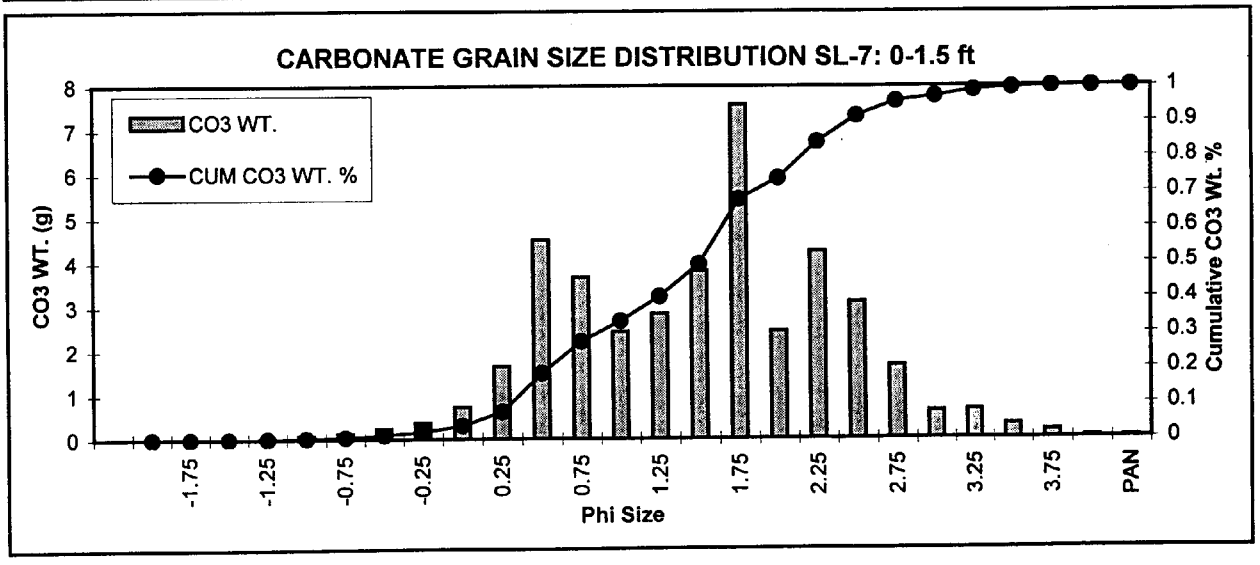


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-7 : 0-1.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.022	0.000	0.022	0.022	0.000531838	0.000531838
-1.00	0.087	0.000	0.087	0.109	0.002103177	0.002635014
-0.75	0.133	0.000	0.133	0.242	0.003215201	0.005850215
-0.50	0.249	0.000	0.249	0.491	0.006019436	0.011869651
-0.25	0.374	0.000	0.374	0.865	0.009041242	0.020910893
0.00	0.738	0.007	0.731	1.596	0.017671518	0.038582411
0.25	1.791	0.140	1.651	3.247	0.039912005	0.078494416
0.50	4.970	0.456	4.514	7.761	0.109123435	0.187617850
0.75	4.878	1.216	3.662	11.423	0.088526809	0.276144660
1.00	6.143	3.712	2.431	13.854	0.058768070	0.334912730
1.25	8.692	5.859	2.833	16.687	0.068486196	0.403398927
1.50	11.242	7.436	3.806	20.493	0.092007929	0.495406856
1.75	18.841	11.261	7.580	28.073	0.183242276	0.678649132
2.00	16.805	14.358	2.447	30.520	0.059154861	0.737803994
2.25	12.722	8.468	4.254	34.774	0.102838080	0.840642073
2.50	7.106	3.994	3.112	37.886	0.075230866	0.915872939
2.75	3.262	1.603	1.659	39.545	0.040105401	0.955978340
3.00	1.917	1.297	0.620	40.165	0.014988155	0.970966494
3.25	1.422	0.764	0.658	40.823	0.015906783	0.986873278
3.50	0.613	0.300	0.313	41.136	0.007566601	0.994439878
3.75	0.266	0.091	0.175	41.311	0.004230527	0.998670406
4.00	0.050	0.020	0.030	41.341	0.000725233	0.999395639
PAN	0.029	0.004	0.025	41.366	0.000604361	1.0

TOTAL WT.	102.352	grams
CO3 WT	41.366	grams
% CARBONATE	40.415	

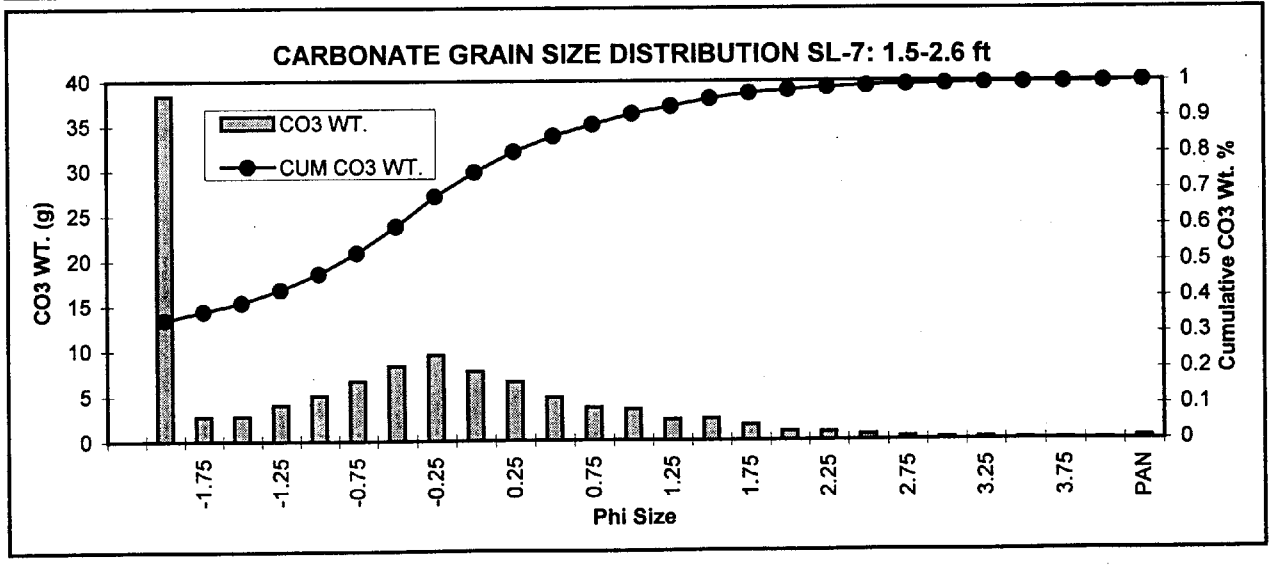


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-7 : 1.5-2.6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	38.345	0.000	38.345	38.345	0.336327196	0.336327196
-1.75	2.744	0.000	2.744	41.089	0.024067853	0.360395050
-1.50	2.793	0.000	2.793	43.882	0.024497636	0.384892686
-1.25	4.021	0.000	4.021	47.903	0.035268527	0.420161213
-1.00	5.072	0.000	5.072	52.975	0.044486935	0.464648148
-0.75	6.635	0.000	6.635	59.610	0.058196139	0.522844287
-0.50	8.280	0.000	8.280	67.890	0.072624571	0.595468858
-0.25	9.483	0.008	9.475	77.365	0.083106016	0.678574874
0.00	7.771	0.051	7.720	85.085	0.067712765	0.746287639
0.25	7.495	0.912	6.583	91.668	0.057740043	0.804027682
0.50	6.072	1.249	4.823	96.491	0.042302936	0.846330617
0.75	5.511	1.820	3.691	100.182	0.032374069	0.878704686
1.00	5.829	2.348	3.481	103.663	0.030532142	0.909236828
1.25	4.409	2.077	2.332	105.995	0.020454167	0.929690995
1.50	4.056	1.658	2.398	108.393	0.021033058	0.950724053
1.75	3.856	2.140	1.716	110.109	0.015051179	0.965775232
2.00	2.550	1.593	0.957	111.066	0.008393927	0.974169159
2.25	1.796	0.912	0.884	111.950	0.007753638	0.981922797
2.50	1.122	0.538	0.584	112.534	0.005122313	0.987045110
2.75	0.647	0.306	0.341	112.875	0.002990939	0.990036049
3.00	0.516	0.251	0.265	113.140	0.002324337	0.992360386
3.25	0.436	0.186	0.250	113.390	0.002192771	0.994553157
3.50	0.211	0.065	0.146	113.536	0.001280578	0.995833735
3.75	0.146	0.030	0.116	113.652	0.001017446	0.996851181
4.00	0.081	0.005	0.076	113.728	0.000666602	0.997517783
PAN	0.293	0.010	0.283	114.011	0.002482217	1.0

TOTAL WT.	130.170	grams
CO3 WT	114.011	grams
% CARBONATE	87.586	

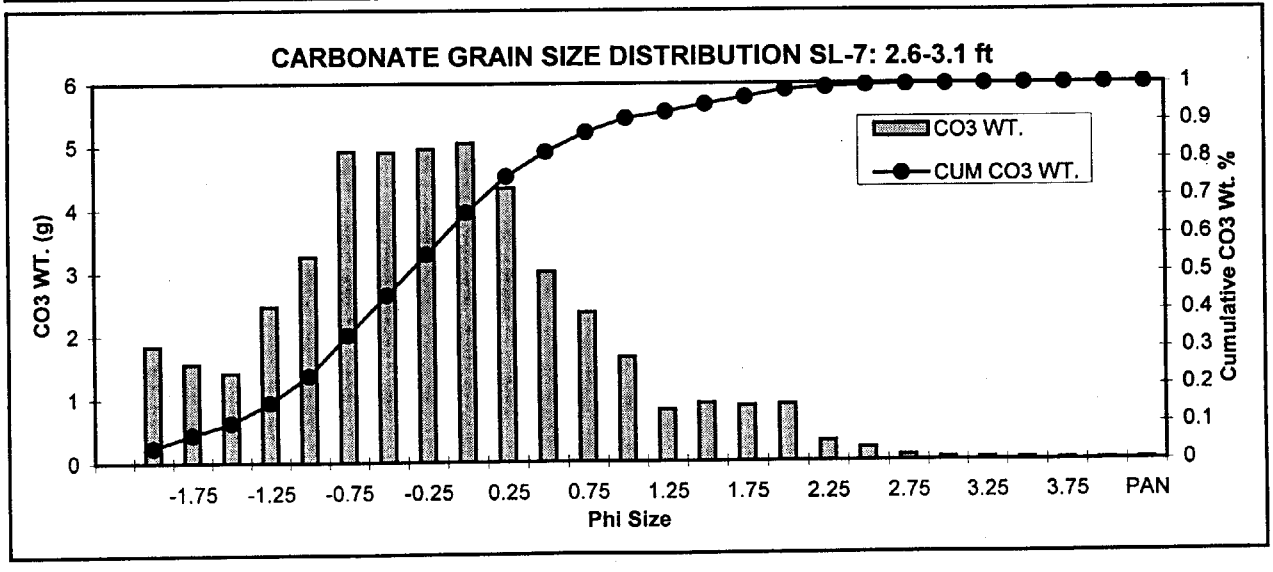


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-7 : 2.6-3.1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.837	0.000	1.837	1.837	0.039881030	0.039881030
-1.75	1.558	0.000	1.558	3.395	0.033823976	0.073705006
-1.50	1.423	0.000	1.423	4.818	0.030893144	0.104598150
-1.25	2.469	0.000	2.469	7.287	0.053601667	0.158199818
-1.00	3.260	0.000	3.260	10.547	0.070774174	0.228973992
-0.75	4.929	0.000	4.929	15.476	0.107007946	0.335981937
-0.50	4.908	0.004	4.904	20.380	0.106465199	0.442447136
-0.25	4.974	0.017	4.957	25.337	0.107615822	0.550062959
0.00	5.112	0.057	5.055	30.392	0.109743389	0.659806348
0.25	4.844	0.512	4.332	34.724	0.094047154	0.753853502
0.50	4.139	1.111	3.028	37.752	0.065737484	0.819590986
0.75	3.722	1.352	2.370	40.122	0.051452390	0.871043376
1.00	3.436	1.777	1.659	41.781	0.036016673	0.907060049
1.25	2.400	1.586	0.814	42.595	0.017671834	0.924731883
1.50	2.187	1.266	0.921	43.516	0.019994790	0.944726673
1.75	2.408	1.530	0.878	44.394	0.019061265	0.963787938
2.00	1.361	0.462	0.899	45.293	0.019517173	0.983305111
2.25	0.776	0.460	0.316	45.609	0.006860319	0.990165429
2.50	0.389	0.185	0.204	45.813	0.004428813	0.994594243
2.75	0.183	0.095	0.088	45.901	0.001910468	0.996504711
3.00	0.137	0.089	0.048	45.949	0.001042074	0.997546785
3.25	0.111	0.071	0.040	45.989	0.000868395	0.998415180
3.50	0.060	0.028	0.032	46.021	0.000694716	0.999109895
3.75	0.036	0.018	0.018	46.039	0.000390778	0.999500673
4.00	0.015	0.007	0.008	46.047	0.000173679	0.999674352
PAN	0.019	0.004	0.015	46.062	0.000325648	1.0

TOTAL WT.	56.693	grams
CO3 WT	46.062	grams
% CARBONATE	81.248	

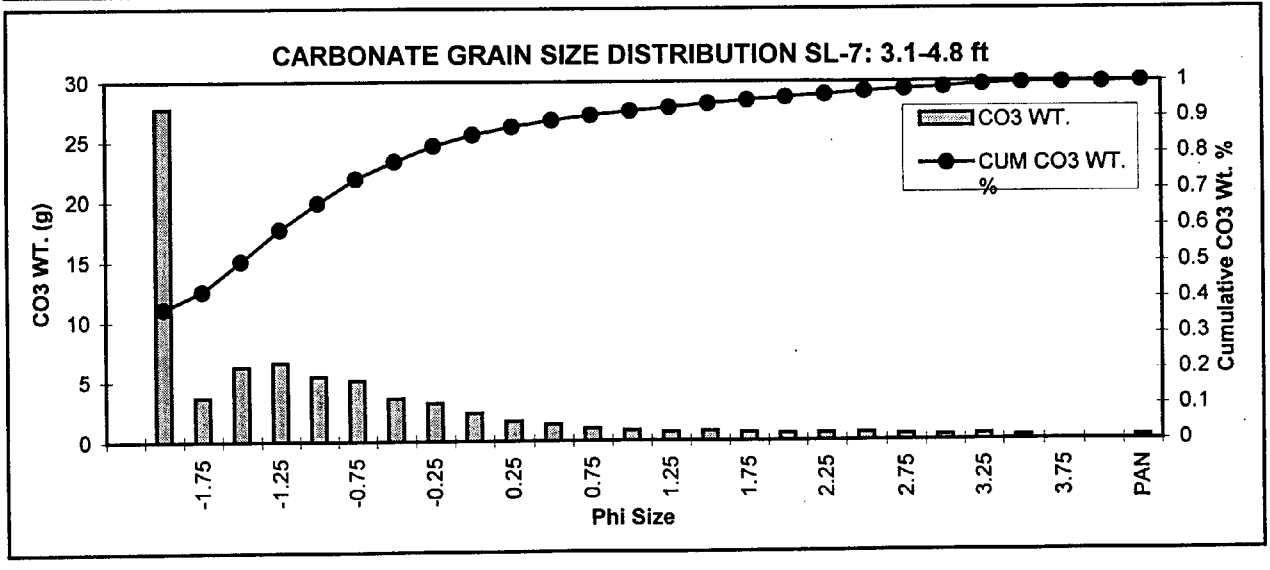


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-7 : 3.1-4.8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	27.751	0.000	27.751	27.751	0.369821026	0.369821026
-1.75	3.705	0.000	3.705	31.456	0.049374325	0.419195352
-1.50	6.292	0.000	6.292	37.748	0.083849731	0.503045083
-1.25	6.599	0.000	6.599	44.347	0.087940937	0.590986021
-1.00	5.442	0.000	5.442	49.789	0.072522288	0.663508309
-0.75	5.078	0.000	5.078	54.867	0.067671477	0.731179787
-0.50	3.588	0.000	3.588	58.455	0.047815136	0.778994923
-0.25	3.188	0.005	3.183	61.638	0.042417943	0.821412865
0.00	2.344	0.027	2.317	63.955	0.030877277	0.852290142
0.25	1.958	0.310	1.648	65.603	0.021961913	0.874252056
0.50	1.673	0.316	1.357	66.960	0.018083930	0.892335985
0.75	1.440	0.404	1.036	67.996	0.013806154	0.906142139
1.00	1.468	0.584	0.884	68.880	0.011780541	0.917922680
1.25	1.409	0.661	0.748	69.628	0.009968150	0.927890830
1.50	1.327	0.532	0.795	70.423	0.010594491	0.938485321
1.75	1.467	0.772	0.695	71.118	0.009261851	0.947747171
2.00	1.220	0.648	0.572	71.690	0.007622703	0.955369874
2.25	1.120	0.511	0.609	72.299	0.008115780	0.963485654
2.50	1.232	0.582	0.650	72.949	0.008662162	0.972147816
2.75	1.407	0.894	0.513	73.462	0.006836445	0.978984262
3.00	1.634	1.238	0.396	73.858	0.005277256	0.984261517
3.25	2.106	1.587	0.519	74.377	0.006916403	0.991177921
3.50	1.274	0.958	0.316	74.693	0.004211144	0.995389064
3.75	0.070	0.068	0.002	74.695	0.000026653	0.995415717
4.00	0.097	0.045	0.052	74.747	0.000692973	0.996108690
PAN	0.301	0.009	0.292	75.039	0.003891310	1.0

TOTAL WT.	85.190	grams
CO3 WT	75.039	grams
% CARBONATE	88.084	

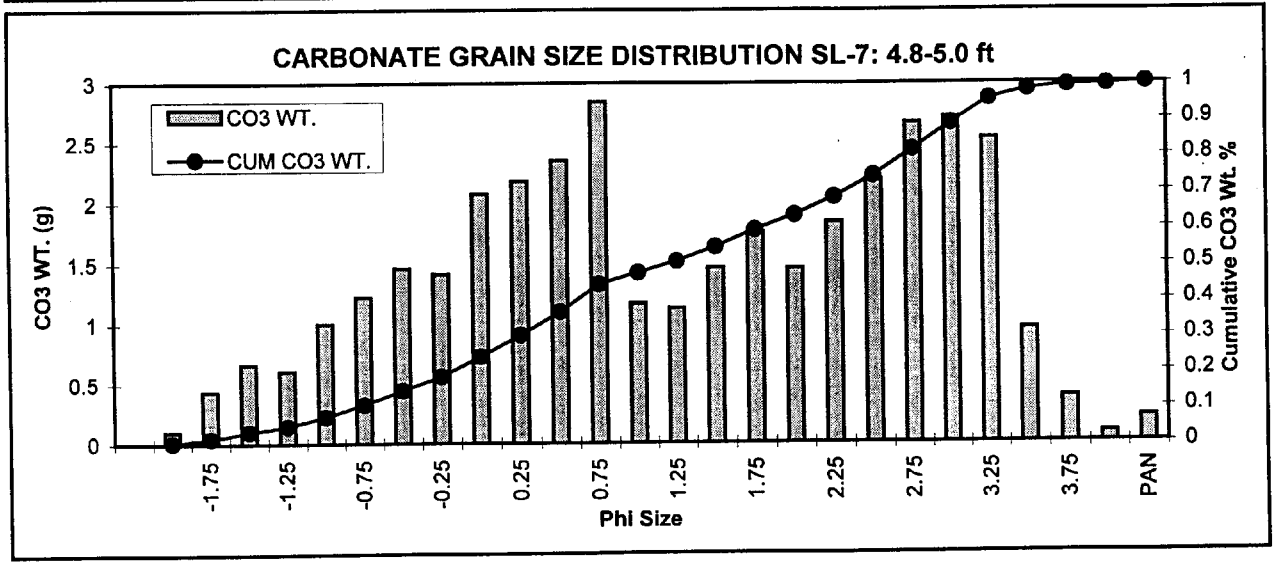


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-7 : 4.8-5.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.103	0.000	0.103	0.103	0.002788003	0.002788003
-1.75	0.436	0.000	0.436	0.539	0.011801646	0.014589649
-1.50	0.664	0.000	0.664	1.203	0.017973149	0.032562798
-1.25	0.611	0.000	0.611	1.814	0.016538545	0.049101343
-1.00	1.003	0.000	1.003	2.817	0.027149199	0.076250541
-0.75	1.226	0.000	1.226	4.043	0.033185362	0.109435903
-0.50	1.463	0.000	1.463	5.506	0.039600476	0.149036379
-0.25	1.421	0.006	1.415	6.921	0.038301213	0.187337592
0.00	2.095	0.018	2.077	8.998	0.056220225	0.243557817
0.25	2.385	0.201	2.184	11.182	0.059116501	0.302674318
0.50	2.665	0.312	2.353	13.535	0.063690992	0.366365310
0.75	3.493	0.651	2.842	16.377	0.076927241	0.443292551
1.00	2.488	1.319	1.169	17.546	0.031642486	0.474935037
1.25	2.401	1.271	1.130	18.676	0.030586834	0.505521871
1.50	2.480	1.018	1.462	20.138	0.039573408	0.545095279
1.75	3.020	1.261	1.759	21.897	0.047612603	0.592707882
2.00	2.476	1.019	1.457	23.354	0.039438068	0.632145951
2.25	3.110	1.267	1.843	25.197	0.049886314	0.682032265
2.50	4.408	2.214	2.194	27.391	0.059387181	0.741419446
2.75	6.642	3.974	2.668	30.059	0.072217410	0.813636856
3.00	11.927	9.216	2.711	32.770	0.073381334	0.887018190
3.25	13.399	10.861	2.538	35.308	0.068698571	0.955716761
3.50	7.346	6.390	0.956	36.264	0.025877003	0.981593764
3.75	2.966	2.583	0.383	36.647	0.010367042	0.991960806
4.00	0.436	0.354	0.082	36.729	0.002219576	0.994180381
PAN	0.279	0.064	0.215	36.944	0.005819619	1.0

TOTAL WT.	80.943	grams
CO3 WT	36.944	grams
% CARBONATE	45.642	

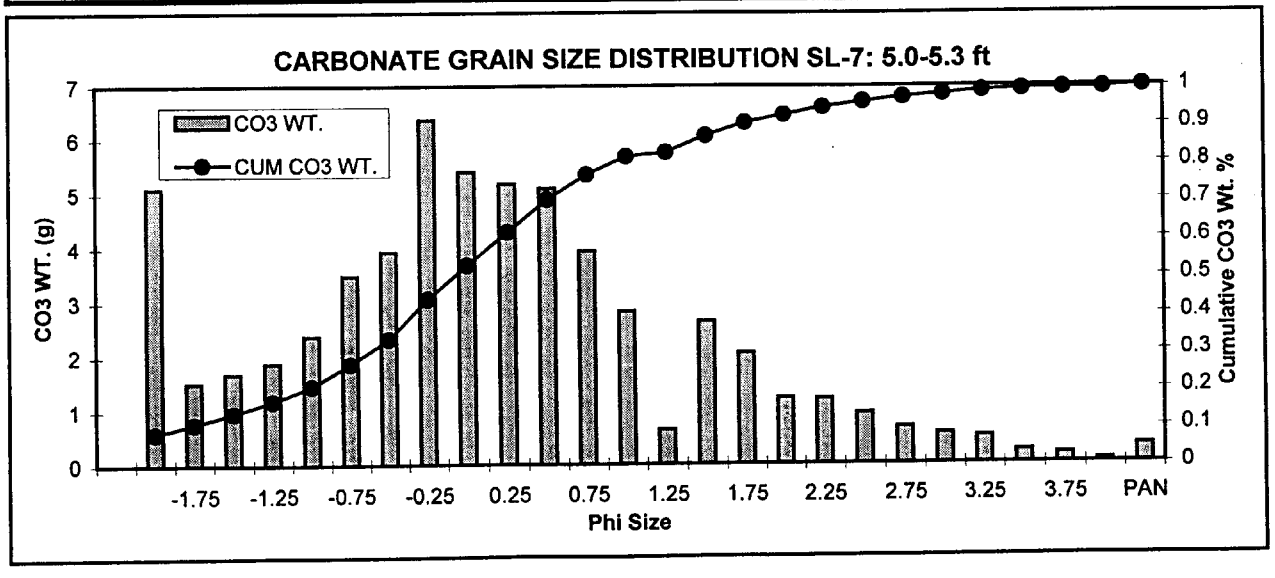


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-7 : 5.0-5.3 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	5.092	0.000	5.092	5.092	0.084702908	0.084702908
-1.75	1.525	0.000	1.525	6.617	0.025367623	0.110070530
-1.50	1.687	0.000	1.687	8.304	0.028062413	0.138132943
-1.25	1.885	0.000	1.885	10.189	0.031356045	0.169488988
-1.00	2.382	0.000	2.382	12.571	0.039623395	0.209112383
-0.75	3.497	0.000	3.497	16.068	0.058170870	0.267283252
-0.50	3.925	0.000	3.925	19.993	0.065290438	0.332573691
-0.25	6.371	0.002	6.369	26.362	0.105945173	0.438518864
0.00	5.435	0.031	5.404	31.766	0.089892874	0.528411737
0.25	5.461	0.271	5.190	36.956	0.086333089	0.614744827
0.50	5.513	0.413	5.100	42.056	0.084835984	0.699580810
0.75	4.687	0.742	3.945	46.001	0.065623129	0.765203939
1.00	4.398	1.555	2.843	48.844	0.047291902	0.812495841
1.25	2.268	1.628	0.640	49.484	0.010646084	0.823141926
1.50	3.789	1.136	2.653	52.137	0.044131346	0.867273272
1.75	3.340	1.278	2.062	54.199	0.034300353	0.901573624
2.00	2.097	0.870	1.227	55.426	0.020410540	0.921984164
2.25	1.954	0.746	1.208	56.634	0.020094484	0.942078648
2.50	1.972	1.026	0.946	57.580	0.015736243	0.957814891
2.75	2.032	1.354	0.678	58.258	0.011278195	0.969093087
3.00	2.172	1.620	0.552	58.810	0.009182248	0.978275334
3.25	2.292	1.788	0.504	59.314	0.008383791	0.986659126
3.50	1.052	0.822	0.230	59.544	0.003825937	0.990485062
3.75	0.463	0.290	0.173	59.717	0.002877770	0.993362832
4.00	0.115	0.056	0.059	59.776	0.000981436	0.994344268
PAN	0.386	0.046	0.340	60.116	0.005655732	1.0

TOTAL WT.	75.790	grams
CO3 WT	60.116	grams
% CARBONATE	79.319	

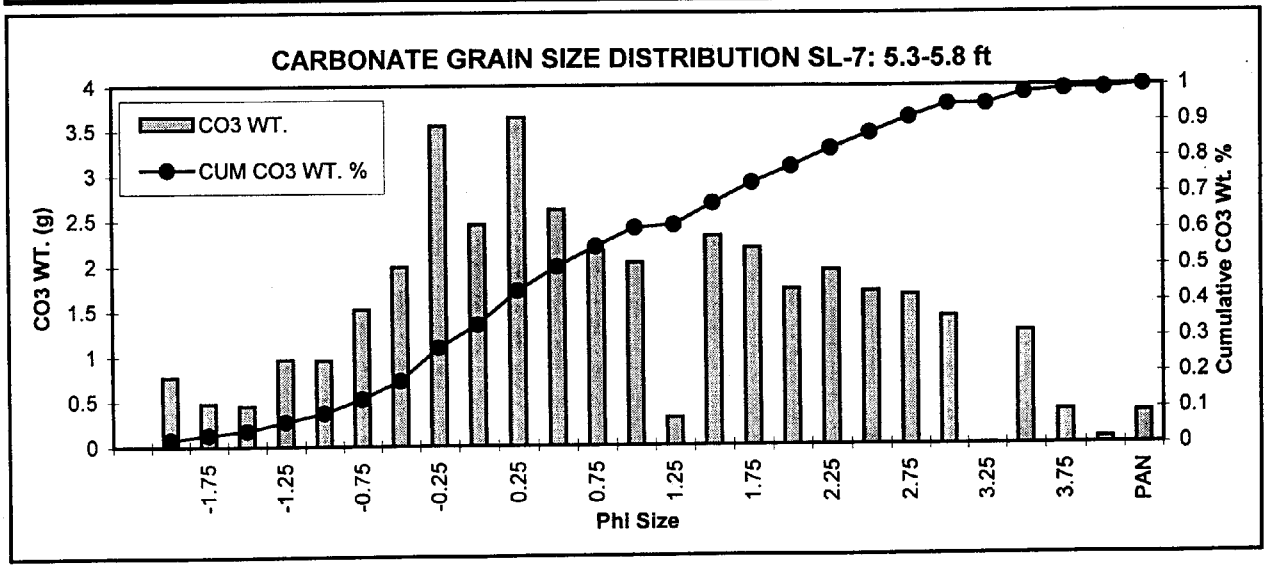


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-7 : 5.3-5.8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.773	0.000	0.773	0.773	0.019819293	0.019819293
-1.75	0.478	0.000	0.478	1.251	0.012255656	0.032074949
-1.50	0.448	0.000	0.448	1.699	0.011486473	0.043561422
-1.25	0.963	0.000	0.963	2.662	0.024690788	0.068252210
-1.00	0.957	0.000	0.957	3.619	0.024536952	0.092789162
-0.75	1.528	0.004	1.524	5.143	0.039074518	0.131863680
-0.50	2.008	0.018	1.990	7.133	0.051022501	0.182886181
-0.25	3.597	0.040	3.557	10.690	0.091199516	0.274085697
0.00	3.067	0.607	2.460	13.150	0.063073042	0.337158739
0.25	4.691	1.045	3.646	16.796	0.093481427	0.430640166
0.50	4.441	1.823	2.618	19.414	0.067124074	0.497764240
0.75	4.977	2.816	2.161	21.575	0.055406847	0.553171087
1.00	6.154	4.123	2.031	23.606	0.052073719	0.605244805
1.25	3.544	3.238	0.306	23.912	0.007855927	0.613100732
1.50	5.411	3.085	2.326	26.238	0.059637356	0.672738088
1.75	5.437	3.243	2.194	28.432	0.056252949	0.728991036
2.00	3.836	2.098	1.738	30.170	0.044561360	0.773552397
2.25	3.702	1.749	1.953	32.123	0.050073842	0.823626238
2.50	4.090	2.378	1.712	33.835	0.043894735	0.867520973
2.75	4.899	3.228	1.671	35.506	0.042843517	0.910364490
3.00	6.075	4.642	1.433	36.939	0.036741329	0.947105819
3.25	4.308	4.306	0.002	36.941	0.000051279	0.947157098
3.50	3.303	2.041	1.262	38.203	0.032356983	0.979514081
3.75	0.938	0.558	0.380	38.583	0.009742990	0.989257071
4.00	0.126	0.059	0.067	38.650	0.001717843	0.990974914
PAN	0.378	0.026	0.352	39.002	0.009025086	1.0

TOTAL WT.	80.129	grams
CO3 WT	39.002	grams
% CARBONATE	48.674	

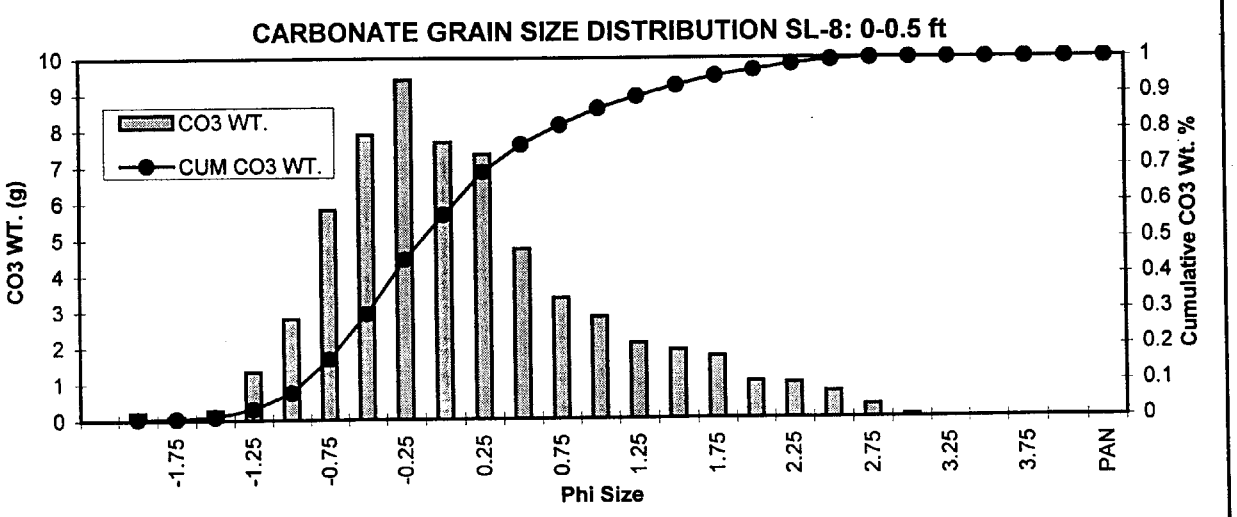


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-8 : 0-0.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.210	0.000	0.210	0.210	0.003358066	0.003358066
-1.75	0.095	0.000	0.095	0.305	0.001519125	0.004877191
-1.50	0.260	0.000	0.260	0.565	0.004157605	0.009034796
-1.25	1.325	0.000	1.325	1.890	0.021187796	0.030222592
-1.00	2.799	0.000	2.799	4.689	0.044758219	0.074980811
-0.75	5.844	0.022	5.822	10.511	0.093098375	0.168079186
-0.50	7.960	0.075	7.885	18.396	0.126087374	0.294166560
-0.25	9.624	0.211	9.413	27.809	0.150521300	0.444687860
0.00	8.100	0.421	7.679	35.488	0.122793271	0.567481131
0.25	7.984	0.636	7.348	42.836	0.117500320	0.684981451
0.50	5.427	0.704	4.723	47.559	0.075524498	0.760505949
0.75	4.203	0.853	3.350	50.909	0.053569144	0.814075093
1.00	4.129	1.306	2.823	53.732	0.045141998	0.859217091
1.25	3.827	1.730	2.097	55.829	0.033532685	0.892749776
1.50	3.647	1.752	1.895	57.724	0.030302546	0.923052322
1.75	4.266	2.558	1.708	59.432	0.027312268	0.950364590
2.00	3.197	2.194	1.003	60.435	0.016038762	0.966403352
2.25	2.474	1.499	0.975	61.410	0.015591020	0.981994371
2.50	1.811	1.099	0.712	62.122	0.011385442	0.993379813
2.75	1.188	0.842	0.346	62.468	0.005532813	0.998912626
3.00	0.793	0.735	0.058	62.526	0.000927466	0.999840092
3.25	0.389	0.387	0.002	62.528	0.000031982	0.999872074
3.50	0.116	0.114	0.002	62.530	0.000031982	0.999904055
3.75	0.039	0.037	0.002	62.532	0.000031982	0.999936037
4.00	0.021	0.019	0.002	62.534	0.000031982	0.999968018
PAN	0.022	0.020	0.002	62.536	0.000031982	1.0

TOTAL WT.	79.750	grams
CO3 WT	62.536	grams
% CARBONATE	78.415	

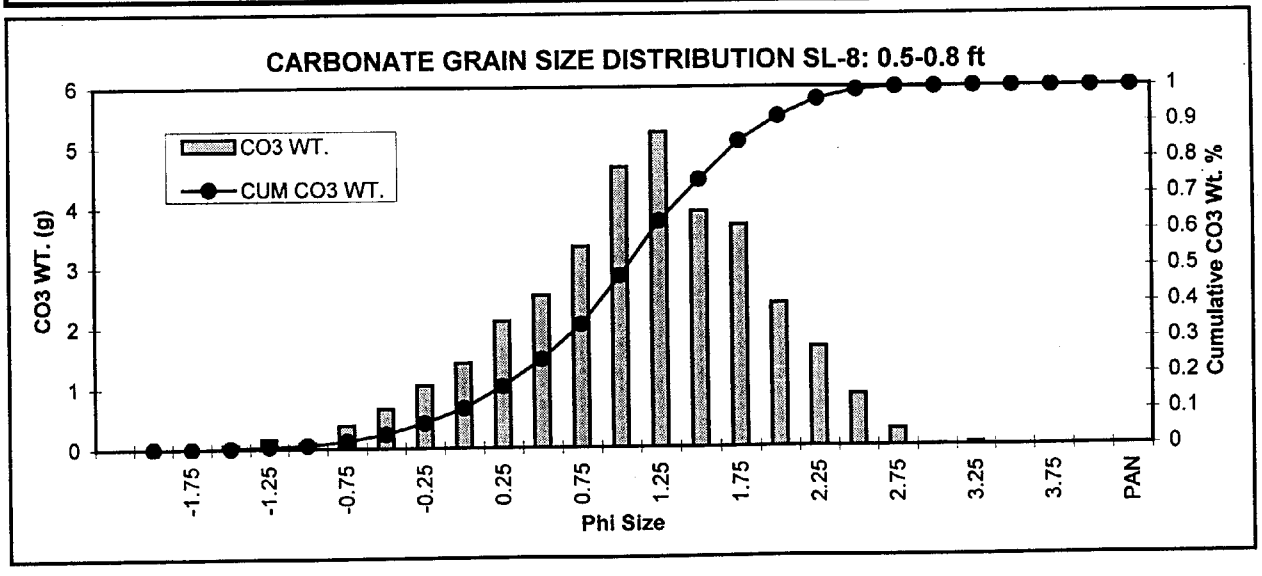


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-8 :0.5-0.8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.063	0.000	0.063	0.063	0.001821862	0.001821862
-1.25	0.165	0.000	0.165	0.228	0.004771544	0.006593407
-1.00	0.104	0.000	0.104	0.332	0.003007519	0.009600925
-0.75	0.379	0.000	0.379	0.711	0.010960093	0.020561018
-0.50	0.658	0.000	0.658	1.369	0.019028340	0.039589358
-0.25	1.074	0.030	1.044	2.413	0.030190862	0.069780220
0.00	1.490	0.079	1.411	3.824	0.040803933	0.110584153
0.25	2.408	0.297	2.111	5.935	0.061046848	0.171631001
0.50	3.148	0.612	2.536	8.471	0.073337189	0.244968190
0.75	4.752	1.412	3.340	11.811	0.096587623	0.341555813
1.00	8.070	3.407	4.663	16.474	0.134846732	0.476402545
1.25	10.807	5.569	5.238	21.712	0.151474841	0.627877386
1.50	10.299	6.372	3.927	25.639	0.113562753	0.741440139
1.75	12.594	8.899	3.695	29.334	0.106853673	0.848293811
2.00	8.097	5.712	2.385	31.719	0.068970503	0.917264315
2.25	4.596	2.936	1.660	33.379	0.048004627	0.965268942
2.50	2.035	1.169	0.866	34.245	0.025043378	0.990312319
2.75	0.923	0.643	0.280	34.525	0.008097166	0.998409485
3.00	0.513	0.509	0.004	34.529	0.000115674	0.998525159
3.25	0.330	0.287	0.043	34.572	0.001243493	0.999768652
3.50	0.109	0.107	0.002	34.574	0.000057837	0.999826489
3.75	0.033	0.031	0.002	34.576	0.000057837	0.999884326
4.00	0.013	0.011	0.002	34.578	0.000057837	0.999942163
PAN	0.014	0.012	0.002	34.580	0.000057837	1.0

TOTAL WT.	72.674	grams
CO3 WT	34.580	grams
% CARBONATE	47.582	

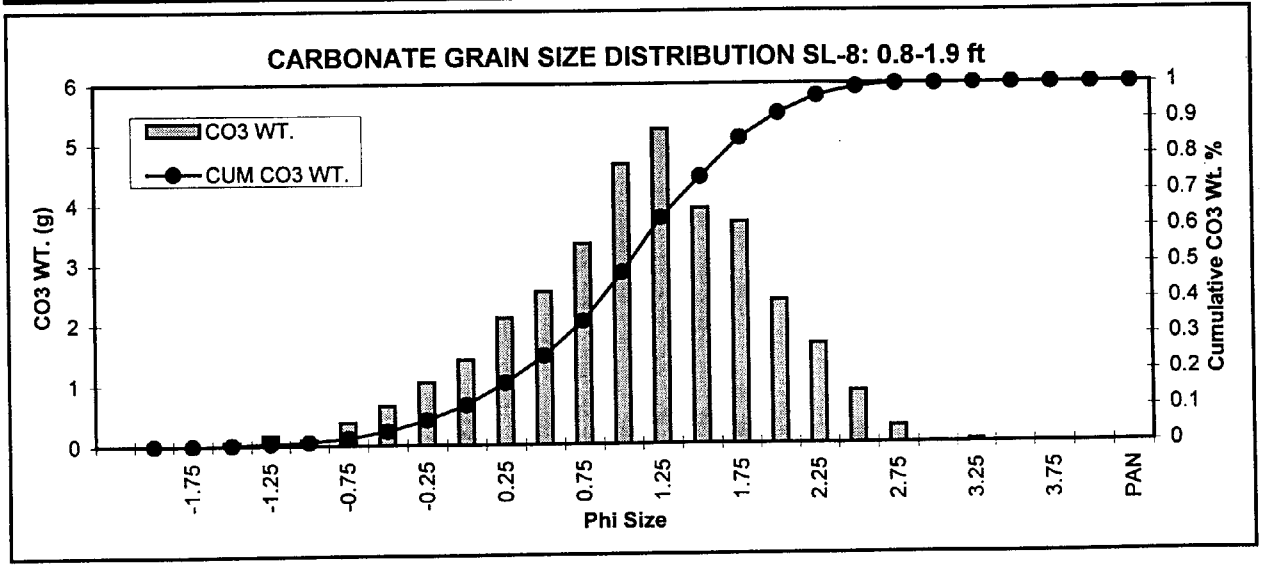


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-8 : 0.8-1.9 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.063	0.000	0.063	0.063	0.001821862	0.001821862
-1.25	0.165	0.000	0.165	0.228	0.004771544	0.006593407
-1.00	0.104	0.000	0.104	0.332	0.003007519	0.009600925
-0.75	0.379	0.000	0.379	0.711	0.010960093	0.020561018
-0.50	0.658	0.000	0.658	1.369	0.019028340	0.039589358
-0.25	1.074	0.030	1.044	2.413	0.030190862	0.069780220
0.00	1.490	0.079	1.411	3.824	0.040803933	0.110584153
0.25	2.408	0.297	2.111	5.935	0.061046848	0.171631001
0.50	3.148	0.612	2.536	8.471	0.073337189	0.244968190
0.75	4.752	1.412	3.340	11.811	0.096587623	0.341555813
1.00	8.070	3.407	4.663	16.474	0.134846732	0.476402545
1.25	10.807	5.569	5.238	21.712	0.151474841	0.627877386
1.50	10.299	6.372	3.927	25.639	0.113562753	0.741440139
1.75	12.594	8.899	3.695	29.334	0.106853673	0.848293811
2.00	8.097	5.712	2.385	31.719	0.068970503	0.917264315
2.25	4.596	2.936	1.660	33.379	0.048004627	0.965268942
2.50	2.035	1.169	0.866	34.245	0.025043378	0.990312319
2.75	0.923	0.643	0.280	34.525	0.008097166	0.998409485
3.00	0.513	0.509	0.004	34.529	0.000115674	0.998525159
3.25	0.330	0.287	0.043	34.572	0.001243493	0.999768652
3.50	0.109	0.107	0.002	34.574	0.000057837	0.999826489
3.75	0.033	0.031	0.002	34.576	0.000057837	0.999884326
4.00	0.013	0.011	0.002	34.578	0.000057837	0.999942163
PAN	0.014	0.012	0.002	34.580	0.000057837	1.0

TOTAL WT.	72.674	grams
CO3 WT	34.580	grams
% CARBONATE	47.582	

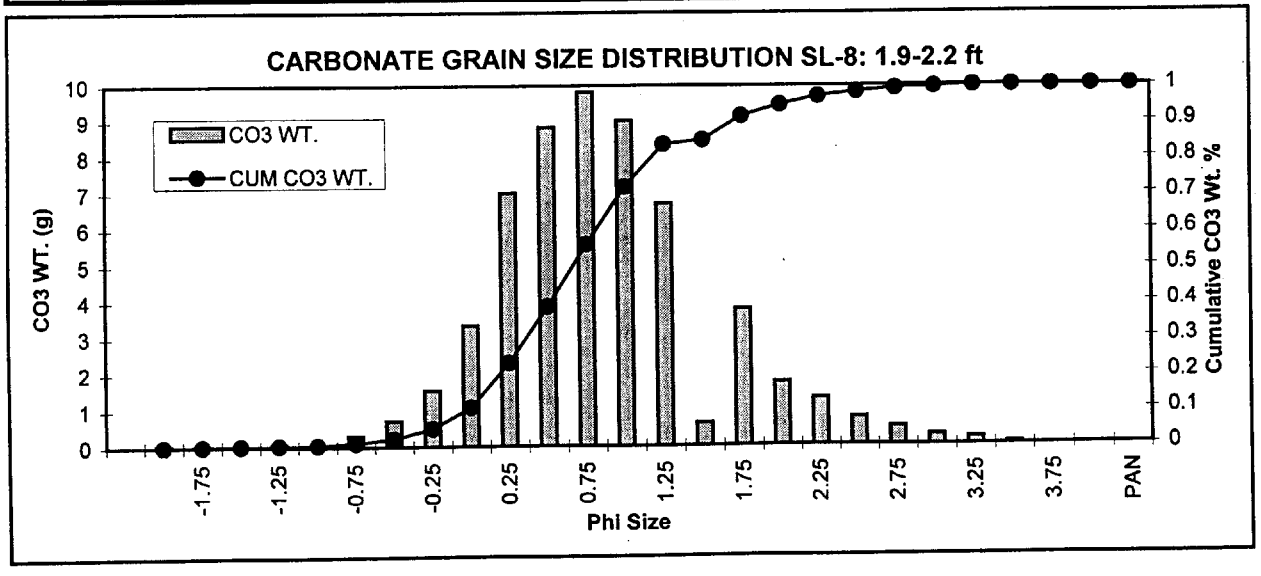


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-8 : 1.9-2.2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.056	0.000	0.056	0.056	0.000983509	0.000983509
-1.75	0.044	0.000	0.044	0.100	0.000772757	0.001756265
-1.50	0.031	0.000	0.031	0.131	0.000544442	0.002300708
-1.25	0.073	0.000	0.073	0.204	0.001282074	0.003582782
-1.00	0.049	0.000	0.049	0.253	0.000860570	0.004443352
-0.75	0.310	0.000	0.310	0.563	0.005444423	0.009887775
-0.50	0.743	0.022	0.721	1.284	0.012662674	0.022550449
-0.25	1.573	0.016	1.557	2.841	0.027345053	0.049895502
0.00	3.538	0.172	3.366	6.207	0.059115896	0.109011398
0.25	8.018	0.998	7.020	13.227	0.123289836	0.232301235
0.50	11.094	2.253	8.841	22.068	0.155271431	0.387572665
0.75	13.616	3.791	9.825	31.893	0.172553083	0.560125749
1.00	14.863	5.836	9.027	40.920	0.158538085	0.718663833
1.25	13.226	6.496	6.730	47.650	0.118196667	0.836860500
1.50	6.426	5.795	0.631	48.281	0.011082035	0.847942535
1.75	10.281	6.485	3.796	52.077	0.066667838	0.914610373
2.00	5.635	3.866	1.769	53.846	0.031068336	0.945678709
2.25	3.345	2.040	1.305	55.151	0.022919264	0.968597973
2.50	1.956	1.180	0.776	55.927	0.013628620	0.982226593
2.75	1.550	1.046	0.504	56.431	0.008851578	0.991078171
3.00	1.542	1.275	0.267	56.698	0.004689229	0.995767400
3.25	1.120	0.933	0.187	56.885	0.003284216	0.999051617
3.50	0.339	0.291	0.048	56.933	0.000843007	0.999894624
3.75	0.085	0.083	0.002	56.935	0.000035125	0.999929749
4.00	0.031	0.029	0.002	56.937	0.000035125	0.999964875
PAN	0.022	0.020	0.002	56.939	0.000035125	1.0

TOTAL WT.	99.566	grams
CO3 WT	56.939	grams
% CARBONATE	57.187	

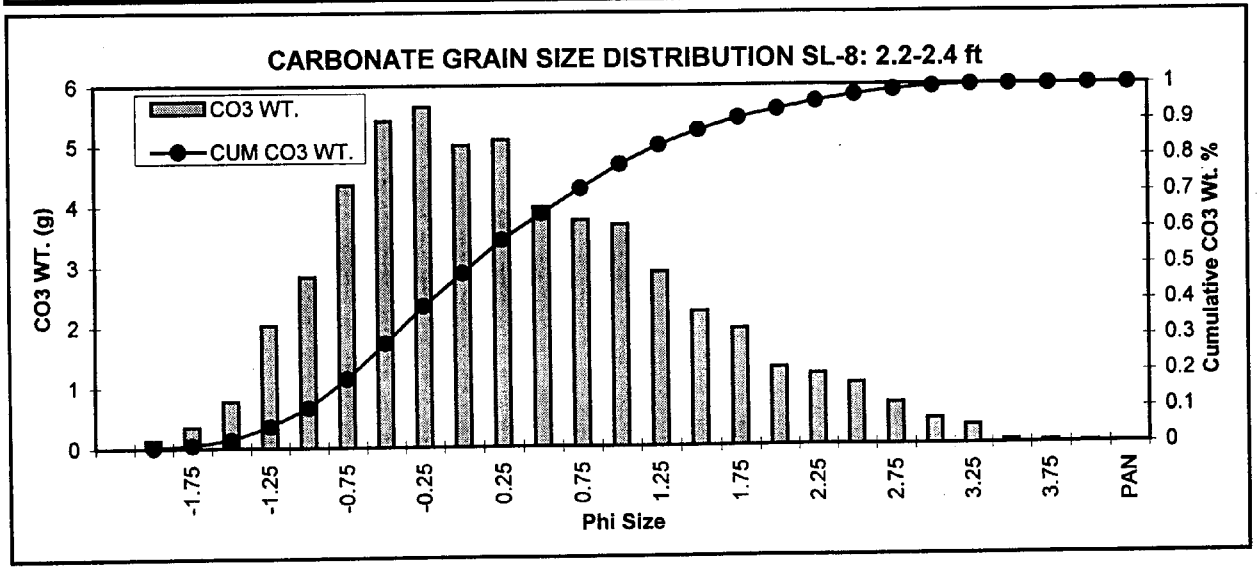


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-8 : 2.2-2.4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.128	0.000	0.128	0.128	0.002320859	0.002320859
-1.75	0.354	0.000	0.354	0.482	0.006418625	0.008739484
-1.50	0.783	0.000	0.783	1.265	0.014197128	0.022936612
-1.25	2.028	0.000	2.028	3.293	0.036771105	0.059707717
-1.00	2.831	0.000	2.831	6.124	0.051330867	0.111038584
-0.75	4.359	0.010	4.349	10.473	0.078854801	0.189893386
-0.50	5.466	0.047	5.419	15.892	0.098255730	0.288149115
-0.25	5.752	0.103	5.649	21.541	0.102426023	0.390575138
0.00	5.251	0.240	5.011	26.552	0.090857992	0.481433130
0.25	5.522	0.426	5.096	31.648	0.092399188	0.573832318
0.50	4.671	0.691	3.980	35.628	0.072164201	0.645996519
0.75	4.974	1.216	3.758	39.386	0.068138961	0.714135480
1.00	5.780	2.100	3.680	43.066	0.066724688	0.780860168
1.25	5.236	2.341	2.895	45.961	0.052491297	0.833351465
1.50	4.360	2.123	2.237	48.198	0.040560632	0.873912097
1.75	4.990	3.046	1.944	50.142	0.035248042	0.909160139
2.00	3.810	2.520	1.290	51.432	0.023389904	0.932550044
2.25	3.038	1.856	1.182	52.614	0.021431680	0.953981723
2.50	2.321	1.300	1.021	53.635	0.018512475	0.972494198
2.75	1.909	1.226	0.683	54.318	0.012383957	0.984878155
3.00	1.800	1.383	0.417	54.735	0.007560923	0.992439077
3.25	1.377	1.076	0.301	55.036	0.005457644	0.997896722
3.50	0.455	0.401	0.054	55.090	0.000979112	0.998875834
3.75	0.150	0.114	0.036	55.126	0.000652742	0.999528576
4.00	0.069	0.045	0.024	55.150	0.000435161	0.999963737
PAN	0.059	0.057	0.002	55.152	0.000036263	1.0

TOTAL WT.	77.473	grams
CO3 WT	55.152	grams
% CARBONATE	71.189	

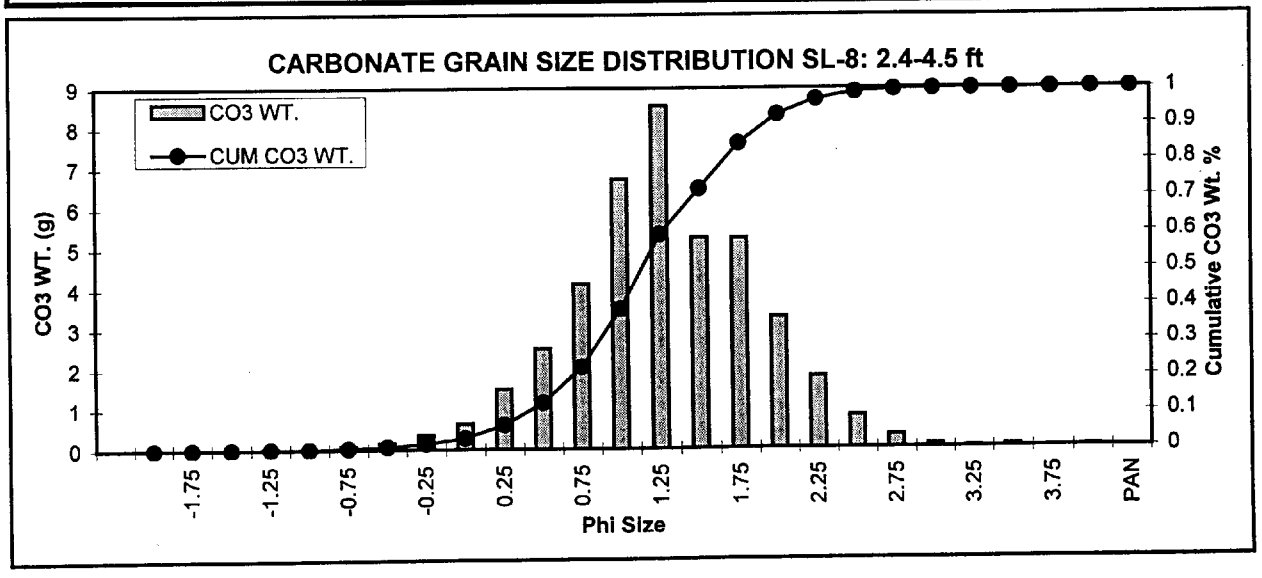


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-8 : 2.4-4.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.036	0.000	0.036	0.036	0.000864678	0.000864678
-1.00	0.014	0.000	0.014	0.050	0.000336264	0.001200942
-0.75	0.095	0.000	0.095	0.145	0.002281789	0.003482730
-0.50	0.172	0.000	0.172	0.317	0.004131239	0.007613969
-0.25	0.367	0.000	0.367	0.684	0.008814911	0.016428880
0.00	0.656	0.009	0.647	1.331	0.015540184	0.031969064
0.25	1.571	0.073	1.498	2.829	0.035980208	0.067949272
0.50	2.904	0.392	2.512	5.341	0.060335303	0.128284575
0.75	5.782	1.656	4.126	9.467	0.099101696	0.227386271
1.00	11.886	5.158	6.728	16.195	0.161598693	0.388984964
1.25	18.309	9.762	8.547	24.742	0.205288947	0.594273911
1.50	16.485	11.222	5.263	30.005	0.126411106	0.720685017
1.75	18.417	13.160	5.257	35.262	0.126266993	0.846952010
2.00	10.707	7.427	3.280	38.542	0.078781765	0.925733775
2.25	5.002	3.210	1.792	40.334	0.043041745	0.968775520
2.50	1.867	1.061	0.806	41.140	0.019359178	0.988134698
2.75	0.719	0.404	0.315	41.455	0.007565932	0.995700629
3.00	0.517	0.433	0.084	41.539	0.002017582	0.997718211
3.25	0.253	0.240	0.013	41.552	0.000312245	0.998030456
3.50	0.098	0.041	0.057	41.609	0.001369073	0.999399529
3.75	0.038	0.036	0.002	41.611	0.000048038	0.999447567
4.00	0.021	0.000	0.021	41.632	0.000504395	0.999951962
PAN	0.020	0.018	0.002	41.634	0.000048038	1.0

TOTAL WT.	95.936	grams
CO3 WT	41.634	grams
% CARBONATE	43.398	

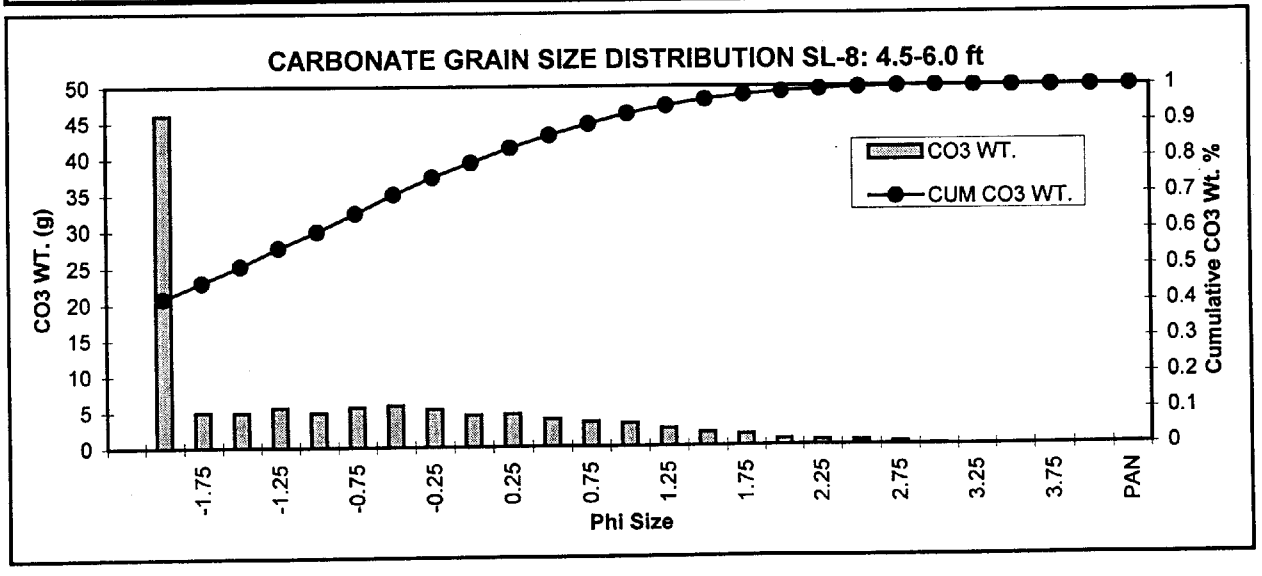


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-8 : 4.5-6.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	46.082	0.000	46.082	46.082	0.415669932	0.415669932
-1.75	4.886	0.000	4.886	50.968	0.044072811	0.459742743
-1.50	4.880	0.000	4.880	55.848	0.044018690	0.503761433
-1.25	5.584	0.000	5.584	61.432	0.050368927	0.554130360
-1.00	4.881	0.000	4.881	66.313	0.044027710	0.598158070
-0.75	5.554	0.000	5.554	71.867	0.050098320	0.648256391
-0.50	5.856	0.013	5.843	77.710	0.052705165	0.700961556
-0.25	5.447	0.136	5.311	83.021	0.047906406	0.748867962
0.00	4.601	0.206	4.395	87.416	0.039643882	0.788511844
0.25	5.086	0.488	4.598	92.014	0.041474987	0.829986830
0.50	4.482	0.660	3.822	95.836	0.034475294	0.864462124
0.75	4.395	0.968	3.427	99.263	0.030912305	0.895374429
1.00	4.703	1.508	3.195	102.458	0.028819614	0.924194043
1.25	4.045	1.645	2.400	104.858	0.021648536	0.945842579
1.50	3.228	1.398	1.830	106.688	0.016507009	0.962349588
1.75	3.197	1.648	1.549	108.237	0.013972326	0.976321914
2.00	2.140	1.301	0.839	109.076	0.007567967	0.983889881
2.25	1.552	0.859	0.693	109.769	0.006251015	0.990140896
2.50	1.089	0.517	0.572	110.341	0.005159568	0.995300464
2.75	0.776	0.427	0.349	110.690	0.003148058	0.998448522
3.00	0.709	0.612	0.097	110.787	0.000874962	0.999323483
3.25	0.634	0.632	0.002	110.789	0.000018040	0.999341524
3.50	0.312	0.310	0.002	110.791	0.000018040	0.999359564
3.75	0.184	0.182	0.002	110.793	0.000018040	0.999377605
4.00	0.126	0.113	0.013	110.806	0.000117263	0.999494867
PAN	0.124	0.068	0.056	110.862	0.000505133	1.0

TOTAL WT.	124.553	grams
CO3 WT	110.862	grams
% CARBONATE	89.008	

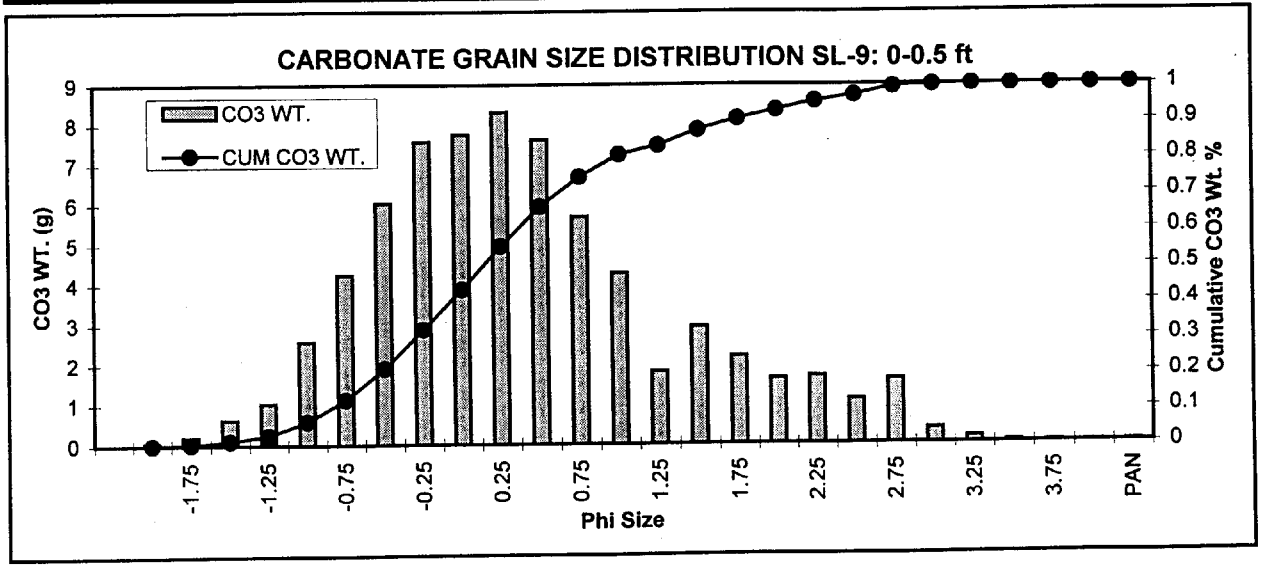


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-9 : 0-0.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.067	0.000	0.067	0.067	0.000961359	0.000961359
-1.75	0.201	0.000	0.201	0.268	0.002884077	0.003845436
-1.50	0.631	0.000	0.631	0.899	0.009053994	0.012899430
-1.25	1.031	0.000	1.031	1.930	0.014793451	0.027692882
-1.00	2.574	0.000	2.574	4.504	0.036933408	0.064626290
-0.75	4.254	0.000	4.254	8.758	0.061039129	0.125665418
-0.50	6.041	0.000	6.041	14.799	0.086680154	0.212345573
-0.25	7.578	0.000	7.578	22.377	0.108734019	0.321079592
0.00	7.840	0.081	7.759	30.136	0.111331124	0.432410716
0.25	9.376	1.060	8.316	38.452	0.119323318	0.551734034
0.50	8.799	1.170	7.629	46.081	0.109465800	0.661199834
0.75	7.705	1.998	5.707	51.788	0.081887708	0.743087541
1.00	7.367	3.075	4.292	56.080	0.061584377	0.804671918
1.25	4.127	2.312	1.815	57.895	0.026042788	0.830714706
1.50	4.799	1.852	2.947	60.842	0.042285452	0.873000158
1.75	5.229	3.024	2.205	63.047	0.031638759	0.904638916
2.00	5.052	3.414	1.638	64.685	0.023503078	0.928141994
2.25	5.345	3.645	1.700	66.385	0.024392694	0.952534688
2.50	3.856	2.738	1.118	67.503	0.016041783	0.968576471
2.75	3.264	1.650	1.614	69.117	0.023158710	0.991735181
3.00	1.230	0.870	0.360	69.477	0.005165512	0.996900693
3.25	0.398	0.256	0.142	69.619	0.002037507	0.998938200
3.50	0.089	0.056	0.033	69.652	0.000473505	0.999411706
3.75	0.041	0.023	0.018	69.670	0.000258276	0.999669981
4.00	0.014	0.007	0.007	69.677	0.000100441	0.999770422
PAN	0.030	0.014	0.016	69.693	0.000229578	1.0

TOTAL WT.	96.938	grams
CO3 WT	69.693	grams
% CARBONATE	71.894	

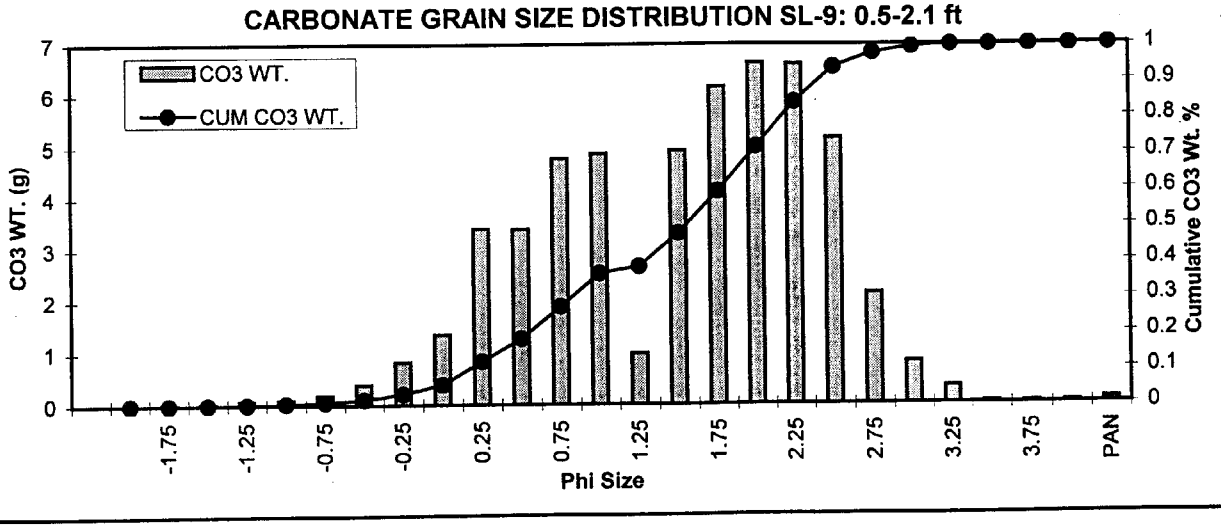


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-9 : 0.5-2.1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.009	0.000	0.009	0.009	0.000168363	0.000168363
-1.50	0.027	0.000	0.027	0.036	0.000505088	0.000673451
-1.25	0.081	0.000	0.081	0.117	0.001515265	0.002188716
-1.00	0.106	0.000	0.106	0.223	0.001982939	0.004171655
-0.75	0.187	0.000	0.187	0.410	0.003498204	0.007669859
-0.50	0.396	0.004	0.392	0.802	0.007333134	0.015002993
-0.25	0.870	0.040	0.830	1.632	0.015526788	0.030529782
0.00	1.432	0.072	1.360	2.992	0.025441485	0.055971266
0.25	3.527	0.109	3.418	6.410	0.063940437	0.119911703
0.50	3.896	0.481	3.415	9.825	0.063884316	0.183796019
0.75	5.736	0.960	4.776	14.601	0.089344508	0.273140527
1.00	7.248	2.368	4.880	19.481	0.091290033	0.364430560
1.25	5.142	4.152	0.990	20.471	0.018519904	0.382950464
1.50	10.541	5.603	4.938	25.409	0.092375037	0.475325501
1.75	17.868	11.706	6.162	31.571	0.115272374	0.590597875
2.00	19.149	12.516	6.633	38.204	0.124083358	0.714681233
2.25	18.673	12.071	6.602	44.806	0.123503442	0.838184675
2.50	13.065	7.890	5.175	49.981	0.096808590	0.934993265
2.75	5.924	3.768	2.156	52.137	0.040332236	0.975325501
3.00	2.429	1.609	0.820	52.957	0.015339719	0.990665220
3.25	0.705	0.368	0.337	53.294	0.006304250	0.996969470
3.50	0.094	0.064	0.030	53.324	0.000561209	0.997530679
3.75	0.049	0.027	0.022	53.346	0.000411553	0.997942233
4.00	0.030	0.007	0.023	53.369	0.000430260	0.998372493
PAN	0.092	0.005	0.087	53.456	0.001627507	1.0

TOTAL WT.	117.276	grams
CO3 WT	53.456	grams
% CARBONATE	45.581	

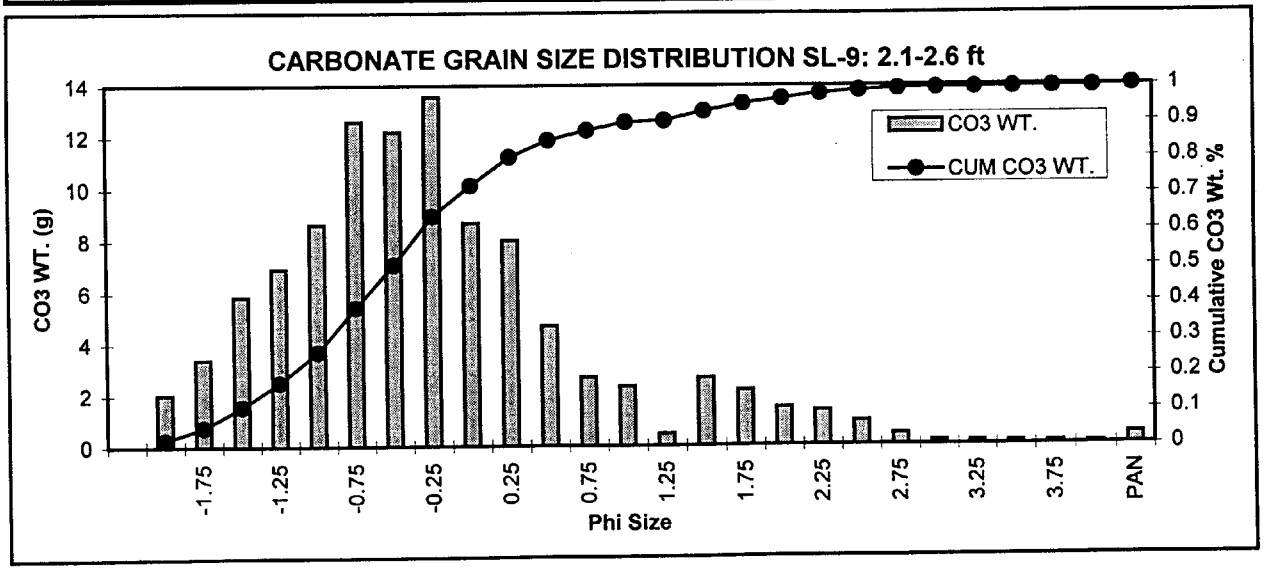


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-9 : 2.1-2.6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.035	0.000	2.035	2.035	0.019953328	0.019953328
-1.75	3.395	0.000	3.395	5.430	0.033288230	0.053241558
-1.50	5.838	0.000	5.838	11.268	0.057242028	0.110483586
-1.25	6.919	0.000	6.919	18.187	0.067841315	0.178324901
-1.00	8.616	0.000	8.616	26.803	0.084480527	0.262805428
-0.75	12.604	0.012	12.592	39.395	0.123465506	0.386270934
-0.50	12.302	0.094	12.208	51.603	0.119700357	0.505971291
-0.25	13.741	0.176	13.565	65.168	0.133005844	0.638977135
0.00	9.101	0.423	8.678	73.846	0.085088442	0.724065576
0.25	8.663	0.641	8.022	81.868	0.078656313	0.802721889
0.50	5.497	0.798	4.699	86.567	0.046074048	0.848795937
0.75	3.555	0.884	2.671	89.238	0.026189356	0.874985292
1.00	3.712	1.392	2.320	91.558	0.022747774	0.897733067
1.25	2.134	1.667	0.467	92.025	0.004578970	0.902312037
1.50	4.190	1.557	2.633	94.658	0.025816763	0.928128799
1.75	5.009	2.857	2.152	96.810	0.021100522	0.949229321
2.00	4.289	2.813	1.476	98.286	0.014472291	0.963701612
2.25	3.577	2.234	1.343	99.629	0.013168216	0.976869828
2.50	2.145	1.195	0.950	100.579	0.009314821	0.986184649
2.75	0.927	0.504	0.423	101.002	0.004147547	0.990332196
3.00	0.409	0.271	0.138	101.140	0.001353100	0.991685296
3.25	0.253	0.120	0.133	101.273	0.001304075	0.992989371
3.50	0.148	0.041	0.107	101.380	0.001049143	0.994038514
3.75	0.122	0.014	0.108	101.488	0.001058948	0.995097462
4.00	0.082	0.006	0.076	101.564	0.000745186	0.995842648
PAN	0.426	0.002	0.424	101.988	0.004157352	1.0

TOTAL WT.	119.689	grams
CO3 WT	101.988	grams
% CARBONATE	85.211	

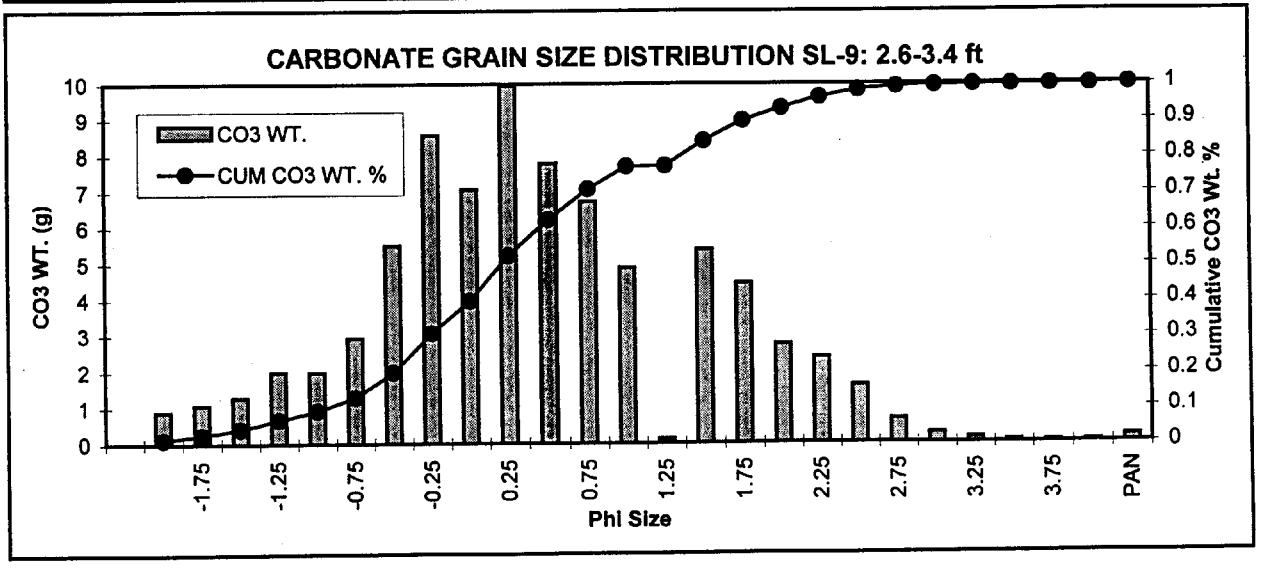


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-9 : 2.6-3.4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.889	0.000	0.889	0.889	0.011285020	0.011285020
-1.75	1.076	0.000	1.076	1.965	0.013658809	0.024943829
-1.50	1.291	0.000	1.291	3.256	0.016388032	0.041331861
-1.25	1.985	0.000	1.985	5.241	0.025197710	0.066529571
-1.00	1.987	0.000	1.987	7.228	0.025223098	0.091752669
-0.75	2.938	0.000	2.938	10.166	0.037295150	0.129047819
-0.50	5.521	0.007	5.514	15.680	0.069995049	0.199042868
-0.25	8.674	0.101	8.573	24.253	0.108826180	0.307869048
0.00	7.370	0.306	7.064	31.317	0.089670843	0.397539891
0.25	10.750	0.796	9.954	41.271	0.126356678	0.523896569
0.50	9.320	1.540	7.780	49.051	0.098759790	0.622656359
0.75	9.560	2.842	6.718	55.769	0.085278698	0.707935057
1.00	10.515	5.630	4.885	60.654	0.062010485	0.769945542
1.25	5.591	5.465	0.126	60.780	0.001599452	0.771544994
1.50	11.808	6.412	5.396	66.176	0.068497150	0.840042144
1.75	12.983	8.522	4.461	70.637	0.056628204	0.896670348
2.00	8.802	6.047	2.755	73.392	0.034972137	0.931642484
2.25	5.995	3.603	2.392	75.784	0.030364193	0.962006677
2.50	3.094	1.486	1.608	77.392	0.020412049	0.982418726
2.75	1.257	0.586	0.671	78.063	0.008517715	0.990936441
3.00	0.550	0.283	0.267	78.330	0.003389314	0.994325755
3.25	0.224	0.086	0.138	78.468	0.001751780	0.996077535
3.50	0.074	0.022	0.052	78.520	0.000660091	0.996737626
3.75	0.054	0.016	0.038	78.558	0.000482374	0.997220001
4.00	0.039	0.007	0.032	78.590	0.000406210	0.997626211
PAN	0.191	0.004	0.187	78.777	0.002373789	1.0

TOTAL WT.	122.538	grams
CO3 WT	78.777	grams
% CARBONATE	64.288	

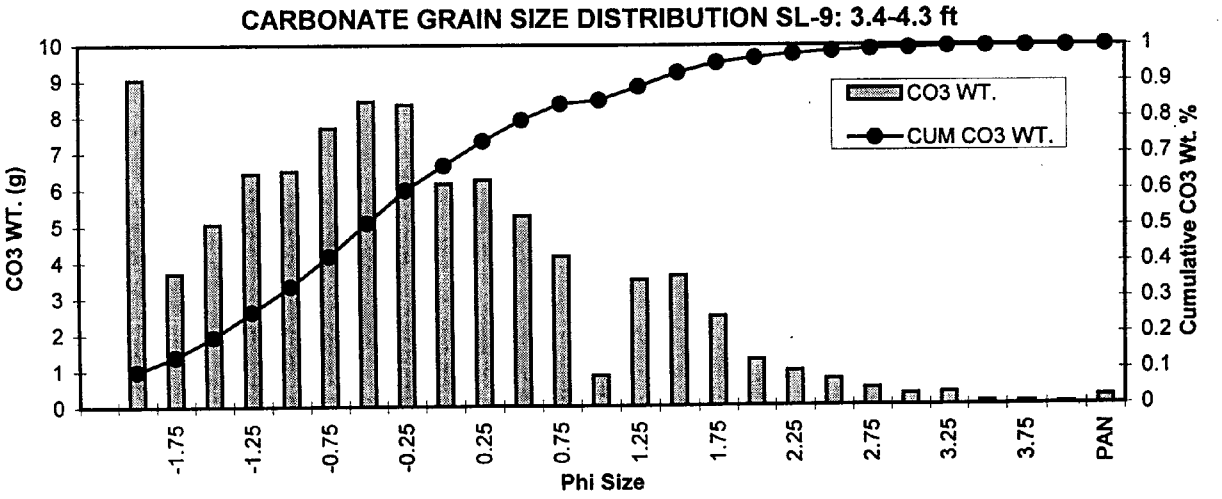


CARBONATE GRAIN SIZE DISTRIBUTION

CORE SL-9 : 3.4-4.3 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	9.034	0.000	9.034	9.034	0.098064544	0.098064544
-1.75	3.691	0.000	3.691	12.725	0.040065999	0.138130543
-1.50	5.049	0.000	5.049	17.774	0.054807160	0.192937703
-1.25	6.446	0.000	6.446	24.220	0.069971668	0.262909371
-1.00	6.533	0.021	6.512	30.732	0.070688102	0.333597473
-0.75	7.720	0.007	7.713	38.445	0.083725020	0.417322493
-0.50	8.477	0.024	8.453	46.898	0.091757759	0.509080251
-0.25	8.552	0.201	8.351	55.249	0.090650543	0.599730795
0.00	6.594	0.419	6.175	61.424	0.067029949	0.666760744
0.25	7.005	0.732	6.273	67.697	0.068093744	0.734854488
0.50	6.430	1.144	5.286	72.983	0.057379807	0.792234295
0.75	5.864	1.697	4.167	77.150	0.045233004	0.837467299
1.00	3.758	2.925	0.833	77.983	0.009042259	0.846509558
1.25	6.073	2.569	3.504	81.487	0.038036104	0.884545662
1.50	6.638	3.017	3.621	85.108	0.039306145	0.923851807
1.75	6.696	4.209	2.487	87.595	0.026996516	0.950848322
2.00	4.186	2.916	1.270	88.865	0.013785917	0.964634239
2.25	2.767	1.808	0.959	89.824	0.010409995	0.975044234
2.50	1.754	1.024	0.730	90.554	0.007924188	0.982968423
2.75	1.254	0.776	0.478	91.032	0.005188715	0.988157138
3.00	1.021	0.717	0.304	91.336	0.003299936	0.991457074
3.25	0.768	0.417	0.351	91.687	0.003810123	0.995267197
3.50	0.206	0.115	0.091	91.778	0.000987810	0.996255007
3.75	0.100	0.027	0.073	91.851	0.000792419	0.997047426
4.00	0.043	0.006	0.037	91.888	0.000401637	0.997449063
PAN	0.237	0.002	0.235	92.123	0.002550937	1.0

TOTAL WT.	116.896	grams
CO3 WT	92.123	grams
% CARBONATE	78.808	

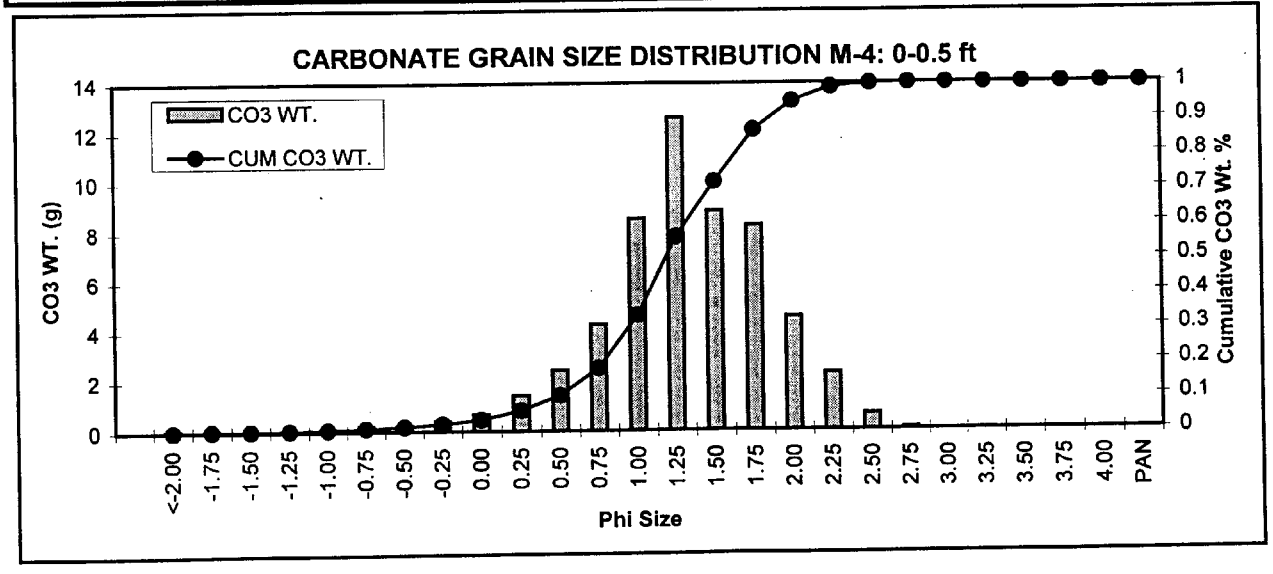


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-4 : 0.-0.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.072	0.000	0.072	0.072	0.001287416	0.001287416
-1.75	0.067	0.000	0.067	0.139	0.001198012	0.002485427
-1.50	0.021	0.000	0.021	0.160	0.000375496	0.002860923
-1.25	0.037	0.000	0.037	0.197	0.000661589	0.003522512
-1.00	0.116	0.000	0.116	0.313	0.002074169	0.005596681
-0.75	0.214	0.000	0.214	0.527	0.003826485	0.009423166
-0.50	0.252	0.000	0.252	0.779	0.004505954	0.013929121
-0.25	0.419	0.005	0.414	1.193	0.007402639	0.021331760
0.00	0.713	0.024	0.689	1.882	0.012319851	0.033651611
0.25	1.509	0.069	1.440	3.322	0.025748310	0.059399921
0.50	2.688	0.251	2.437	5.759	0.043575439	0.102975360
0.75	4.927	0.629	4.298	10.057	0.076851554	0.179826914
1.00	10.925	2.379	8.546	18.603	0.152809069	0.332635983
1.25	19.395	6.797	12.598	31.201	0.225261953	0.557897937
1.50	18.001	9.159	8.842	40.043	0.158101777	0.715999714
1.75	18.742	10.459	8.283	48.326	0.148106426	0.864106140
2.00	11.242	6.665	4.577	52.903	0.081840289	0.945946429
2.25	5.464	3.178	2.286	55.189	0.040875443	0.986821872
2.50	1.401	0.751	0.650	55.839	0.011622501	0.998444373
2.75	0.257	0.188	0.069	55.908	0.001233773	0.999678146
3.00	0.082	0.080	0.002	55.910	0.000035762	0.999713908
3.25	0.028	0.020	0.008	55.918	0.000143046	0.999856954
3.50	0.024	0.022	0.002	55.920	0.000035762	0.999892715
3.75	0.011	0.009	0.002	55.922	0.000035762	0.999928477
4.00	0.006	0.004	0.002	55.924	0.000035762	0.999964238
PAN	0.008	0.006	0.002	55.926	0.000035762	1.0

TOTAL WT.	96.621	grams
CO3 WT	55.926	grams
% CARBONATE	57.882	

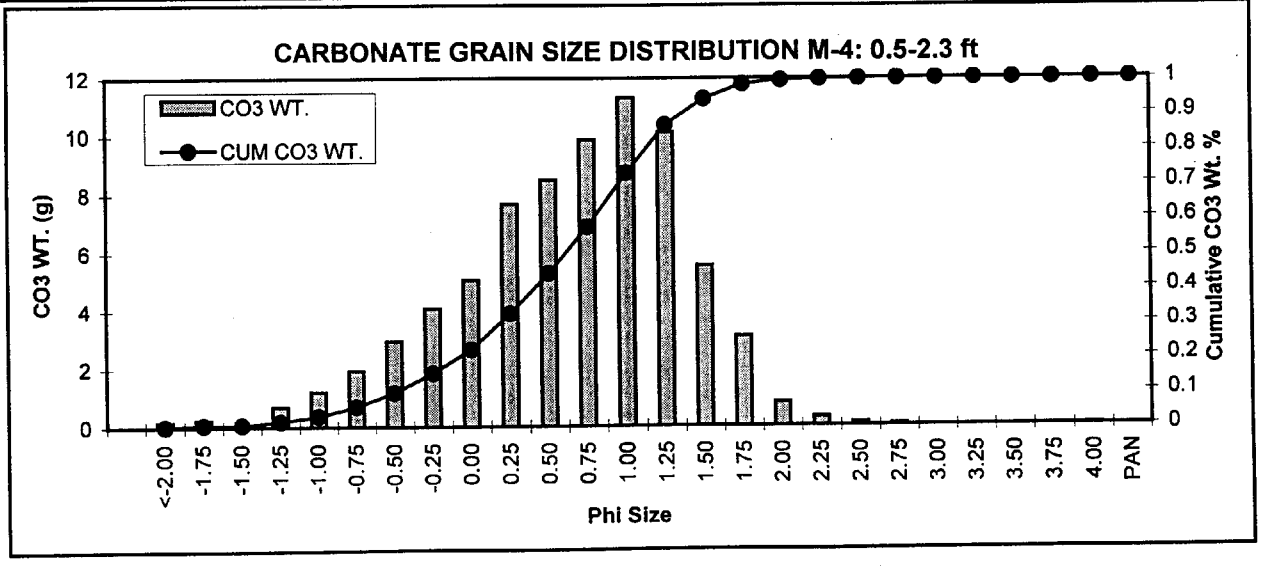


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-4 : 0.5-2.3 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.166	0.000	0.166	0.166	0.002249140	0.002249140
-1.75	0.244	0.000	0.244	0.410	0.003305964	0.005555104
-1.50	0.047	0.000	0.047	0.457	0.000636805	0.006191909
-1.25	0.683	0.000	0.683	1.140	0.009253990	0.015445899
-1.00	1.196	0.000	1.196	2.336	0.016204645	0.031650543
-0.75	1.934	0.004	1.930	4.266	0.026149636	0.057800179
-0.50	2.979	0.022	2.957	7.223	0.040064493	0.097864672
-0.25	4.205	0.126	4.079	11.302	0.055266509	0.153131182
0.00	5.341	0.266	5.075	16.377	0.068761347	0.221892529
0.25	8.338	0.664	7.674	24.051	0.103975287	0.325867816
0.50	9.559	1.059	8.500	32.551	0.115166789	0.441034604
0.75	11.528	1.656	9.872	42.423	0.133756063	0.574790667
1.00	14.460	3.163	11.297	53.720	0.153063437	0.727854104
1.25	15.101	4.969	10.132	63.852	0.137278812	0.865132916
1.50	9.915	4.360	5.555	69.407	0.075264884	0.940397800
1.75	6.023	2.921	3.102	72.509	0.042029103	0.982426903
2.00	1.971	1.162	0.809	73.318	0.010961168	0.993388071
2.25	0.745	0.443	0.302	73.620	0.004091808	0.997479880
2.50	0.274	0.159	0.115	73.735	0.001558139	0.999038019
2.75	0.112	0.068	0.044	73.779	0.000596157	0.999634176
3.00	0.080	0.078	0.002	73.781	0.000027098	0.999661274
3.25	0.063	0.061	0.002	73.783	0.000027098	0.999688372
3.50	0.050	0.048	0.002	73.785	0.000027098	0.999715470
3.75	0.039	0.037	0.002	73.787	0.000027098	0.999742568
4.00	0.033	0.016	0.017	73.804	0.000230334	0.999972902
PAN	0.034	0.032	0.002	73.806	0.000027098	1.0

TOTAL WT.	95.120	grams
CO3 WT	73.806	grams
% CARBONATE	77.593	

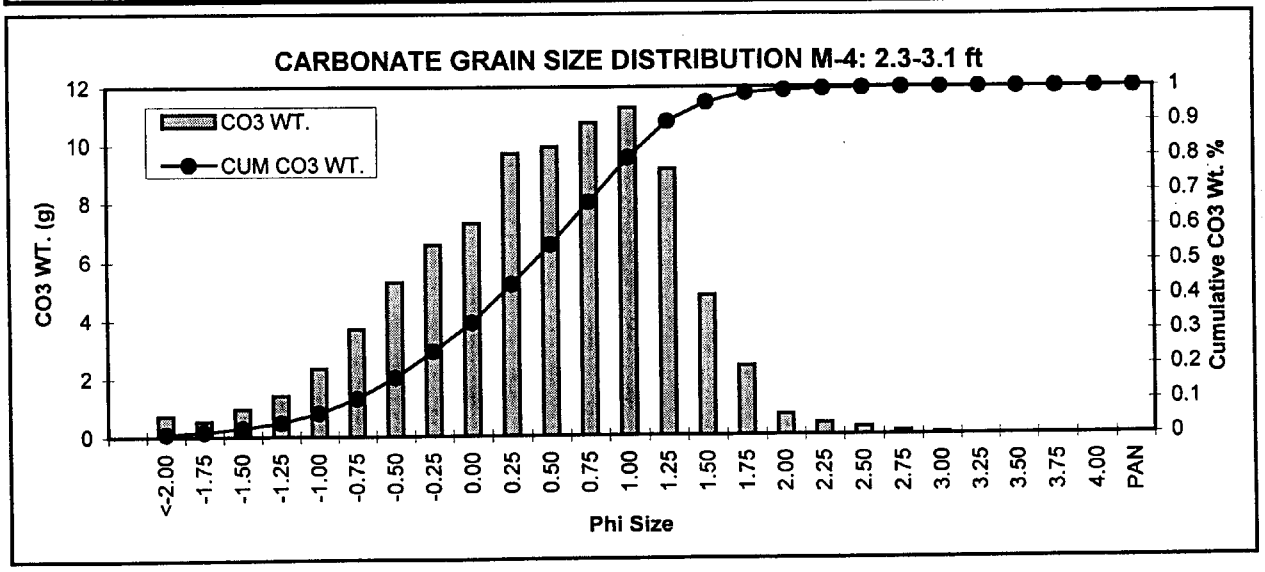


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-4 : 2.3-3.1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.710	0.000	0.710	0.710	0.008027406	0.008027406
-1.75	0.528	0.000	0.528	1.238	0.005969677	0.013997083
-1.50	0.957	0.000	0.957	2.195	0.010820039	0.024817122
-1.25	1.423	0.000	1.423	3.618	0.016088731	0.040905853
-1.00	2.349	0.000	2.349	5.967	0.026558278	0.067464131
-0.75	3.694	0.000	3.694	9.661	0.041765125	0.109229256
-0.50	5.369	0.056	5.313	14.974	0.060069872	0.169299128
-0.25	6.686	0.129	6.557	21.531	0.074134793	0.243433921
0.00	7.671	0.367	7.304	28.835	0.082580528	0.326014449
0.25	10.545	0.847	9.698	38.533	0.109647586	0.435662035
0.50	11.022	1.092	9.930	48.463	0.112270625	0.547932660
0.75	12.316	1.555	10.761	59.224	0.121666083	0.669598743
1.00	14.009	2.741	11.268	70.492	0.127398329	0.796997072
1.25	12.905	3.735	9.170	79.662	0.103677909	0.900674980
1.50	7.629	2.798	4.831	84.493	0.054620281	0.955295262
1.75	4.171	1.783	2.388	86.881	0.026999220	0.982294481
2.00	1.475	0.779	0.696	87.577	0.007869119	0.990163601
2.25	0.741	0.339	0.402	87.979	0.004545095	0.994708696
2.50	0.414	0.153	0.261	88.240	0.002950920	0.997659615
2.75	0.224	0.097	0.127	88.367	0.001435888	0.999095504
3.00	0.181	0.114	0.067	88.434	0.000757516	0.999853019
3.25	0.135	0.130	0.005	88.439	0.000056531	0.999909550
3.50	0.099	0.097	0.002	88.441	0.000022612	0.999932163
3.75	0.092	0.090	0.002	88.443	0.000022612	0.999954775
4.00	0.072	0.070	0.002	88.445	0.000022612	0.999977388
PAN	0.068	0.066	0.002	88.447	0.000022612	1.0

TOTAL WT.	105.485	grams
CO3 WT	88.447	grams
% CARBONATE	83.848	

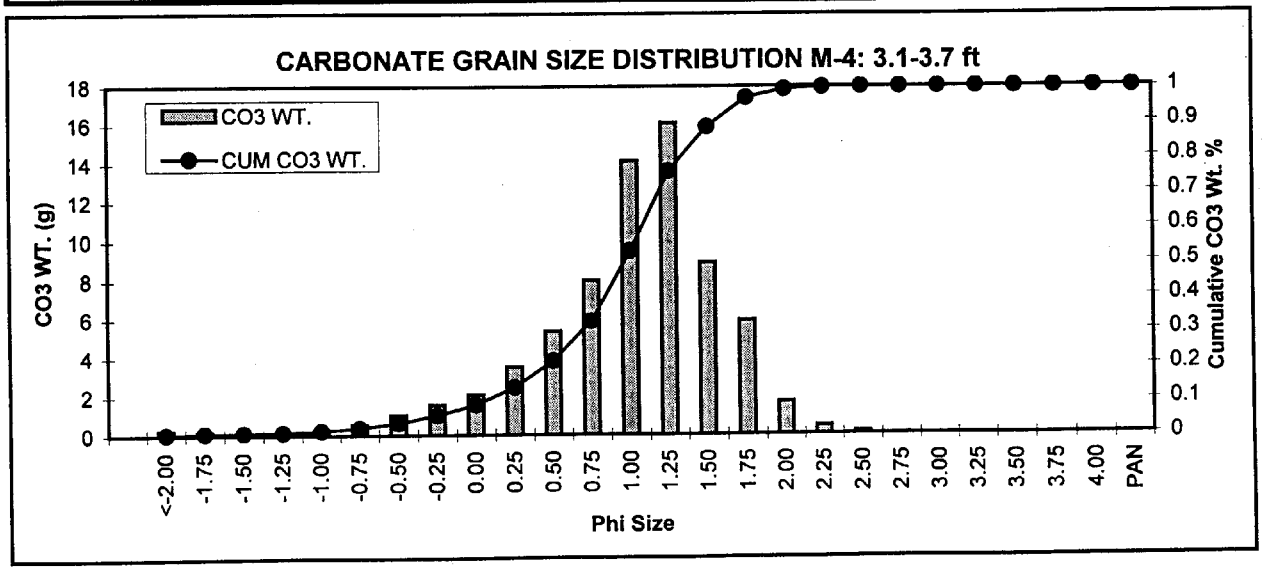


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-4 : 3.1-3.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.251	0.000	0.251	0.251	0.003563974	0.003563974
-1.75	0.179	0.000	0.179	0.430	0.002541639	0.006105613
-1.50	0.103	0.000	0.103	0.533	0.001462507	0.007568120
-1.25	0.061	0.000	0.061	0.594	0.000866145	0.008434265
-1.00	0.298	0.000	0.298	0.892	0.004231332	0.012665597
-0.75	0.550	0.000	0.550	1.442	0.007809505	0.020475102
-0.50	1.045	0.000	1.045	2.487	0.014838059	0.035313161
-0.25	1.599	0.023	1.576	4.063	0.022377781	0.057690942
0.00	2.182	0.094	2.088	6.151	0.029647720	0.087338663
0.25	3.813	0.273	3.540	9.691	0.050264813	0.137603476
0.50	6.115	0.748	5.367	15.058	0.076206569	0.213810044
0.75	9.771	1.762	8.009	23.067	0.113720590	0.327530635
1.00	18.587	4.419	14.168	37.235	0.201172846	0.528703480
1.25	25.408	9.288	16.120	53.355	0.228889488	0.757592969
1.50	17.678	8.773	8.905	62.260	0.126442984	0.884035952
1.75	11.604	5.702	5.902	68.162	0.083803087	0.967839039
2.00	3.407	1.730	1.677	69.839	0.023811890	0.991650929
2.25	0.924	0.495	0.429	70.268	0.006091414	0.997742343
2.50	0.302	0.170	0.132	70.400	0.001874281	0.999616624
2.75	0.111	0.096	0.015	70.415	0.000212986	0.999829611
3.00	0.073	0.071	0.002	70.417	0.000028398	0.999858009
3.25	0.060	0.058	0.002	70.419	0.000028398	0.999886407
3.50	0.039	0.037	0.002	70.421	0.000028398	0.999914805
3.75	0.035	0.033	0.002	70.423	0.000028398	0.999943204
4.00	0.025	0.023	0.002	70.425	0.000028398	0.999971602
PAN	0.029	0.027	0.002	70.427	0.000028398	1.0

TOTAL WT.	104.249	grams
CO3 WT	70.427	grams
% CARBONATE	67.557	

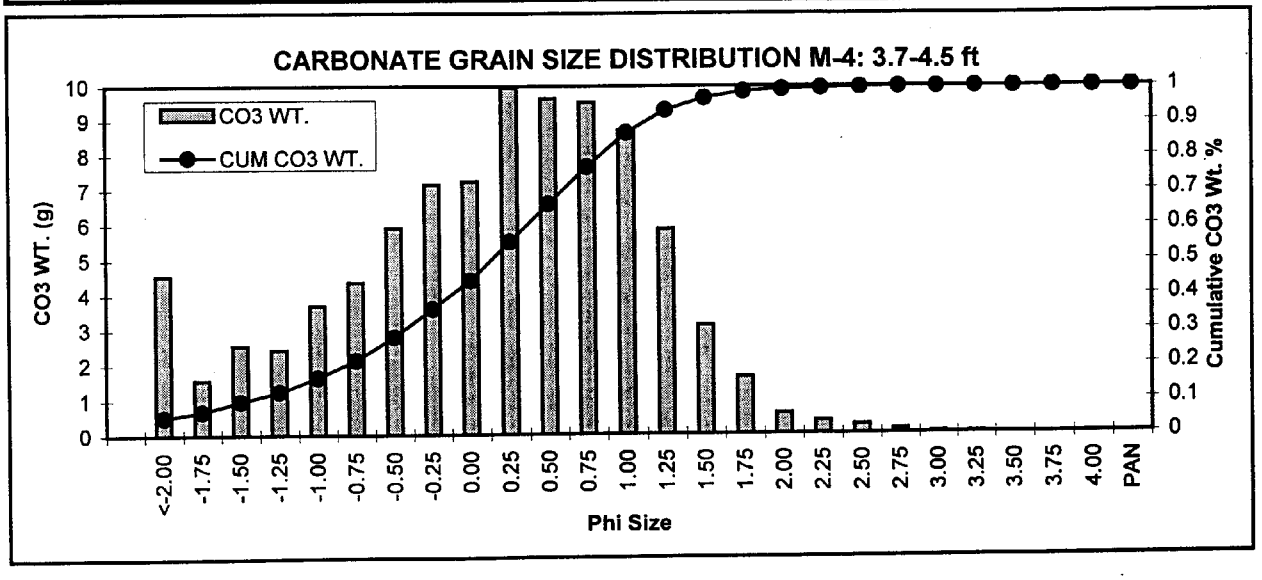


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-4 : 3.7-4.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	4.541	0.000	4.541	4.541	0.050774873	0.050774873
-1.75	1.568	0.000	1.568	6.109	0.017532482	0.068307355
-1.50	2.558	0.000	2.558	8.667	0.028602098	0.096909453
-1.25	2.448	0.000	2.448	11.115	0.027372140	0.124281593
-1.00	3.702	0.000	3.702	14.817	0.041393653	0.165675247
-0.75	4.370	0.000	4.370	19.187	0.048862849	0.214538095
-0.50	5.962	0.035	5.927	25.114	0.066272335	0.280810430
-0.25	7.278	0.112	7.166	32.280	0.080126127	0.360936557
0.00	7.515	0.261	7.254	39.534	0.081110092	0.442046649
0.25	10.505	0.547	9.958	49.492	0.111344679	0.553391328
0.50	10.407	0.777	9.630	59.122	0.107677170	0.661068497
0.75	10.567	1.036	9.531	68.653	0.106570208	0.767638706
1.00	10.226	1.512	8.714	77.367	0.097434980	0.865073686
1.25	7.906	2.015	5.891	83.258	0.065869803	0.930943489
1.50	4.593	1.466	3.127	86.385	0.034964331	0.965907820
1.75	2.748	1.118	1.630	88.015	0.018225731	0.984133551
2.00	1.239	0.654	0.585	88.600	0.006541136	0.990674687
2.25	0.723	0.362	0.361	88.961	0.004036496	0.994711184
2.50	0.468	0.217	0.251	89.212	0.002806539	0.997517723
2.75	0.286	0.166	0.120	89.332	0.001341772	0.998859494
3.00	0.238	0.196	0.042	89.374	0.000469620	0.999329114
3.25	0.224	0.189	0.035	89.409	0.000391350	0.999720464
3.50	0.176	0.167	0.009	89.418	0.000100633	0.999821097
3.75	0.147	0.145	0.002	89.420	0.000022363	0.999843460
4.00	0.096	0.084	0.012	89.432	0.000134177	0.999977637
PAN	0.087	0.085	0.002	89.434	0.000022363	1.0

TOTAL WT.	100.578	grams
CO3 WT	89.434	grams
% CARBONATE	88.920	

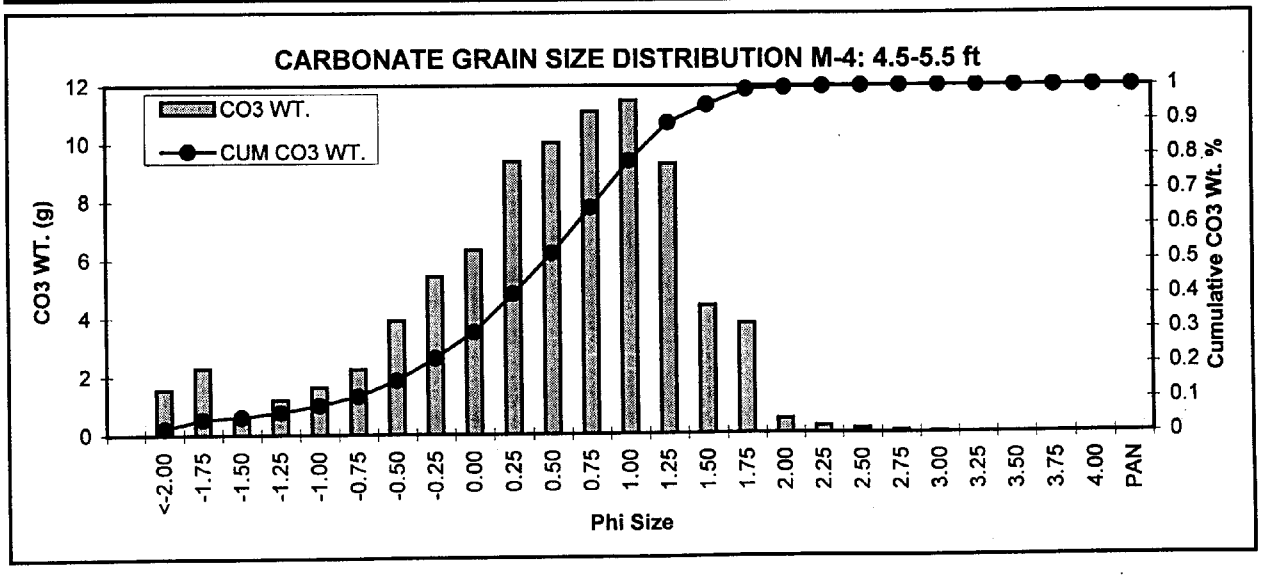


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-4 : 4.5-5.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.544	0.000	1.544	1.544	0.018023907	0.018023907
-1.75	2.288	0.000	2.288	3.832	0.026709003	0.044732910
-1.50	0.541	0.000	0.541	4.373	0.006315372	0.051048282
-1.25	1.196	0.000	1.196	5.569	0.013961524	0.065009806
-1.00	1.638	0.000	1.638	7.207	0.019121218	0.084131024
-0.75	2.250	0.000	2.250	9.457	0.026265409	0.110396433
-0.50	3.920	0.000	3.920	13.377	0.045760179	0.156156612
-0.25	5.504	0.065	5.439	18.816	0.063492249	0.219648861
0.00	6.628	0.289	6.339	25.155	0.073998412	0.293647273
0.25	10.283	0.897	9.386	34.541	0.109567613	0.403214886
0.50	11.584	1.556	10.028	44.569	0.117062010	0.520276896
0.75	13.434	2.321	11.113	55.682	0.129727774	0.650004669
1.00	15.246	3.757	11.489	67.171	0.134117015	0.784121685
1.25	13.826	4.528	9.298	76.469	0.108540344	0.892662028
1.50	7.408	2.996	4.412	80.881	0.051503549	0.944165577
1.75	5.360	1.561	3.799	84.680	0.044347684	0.988513261
2.00	1.080	0.598	0.482	85.162	0.005626634	0.994139895
2.25	0.481	0.245	0.236	85.398	0.002754950	0.996894845
2.50	0.278	0.120	0.158	85.556	0.001844415	0.998739260
2.75	0.159	0.087	0.072	85.628	0.000840493	0.999579753
3.00	0.126	0.100	0.026	85.654	0.000303511	0.999883265
3.25	0.100	0.098	0.002	85.656	0.000023347	0.999906612
3.50	0.075	0.073	0.002	85.658	0.000023347	0.999929959
3.75	0.071	0.069	0.002	85.660	0.000023347	0.999953306
4.00	0.058	0.056	0.002	85.662	0.000023347	0.999976653
PAN	0.066	0.064	0.002	85.664	0.000023347	1.0

TOTAL WT.	105.144	grams
CO3 WT	85.664	grams
% CARBONATE	81.473	

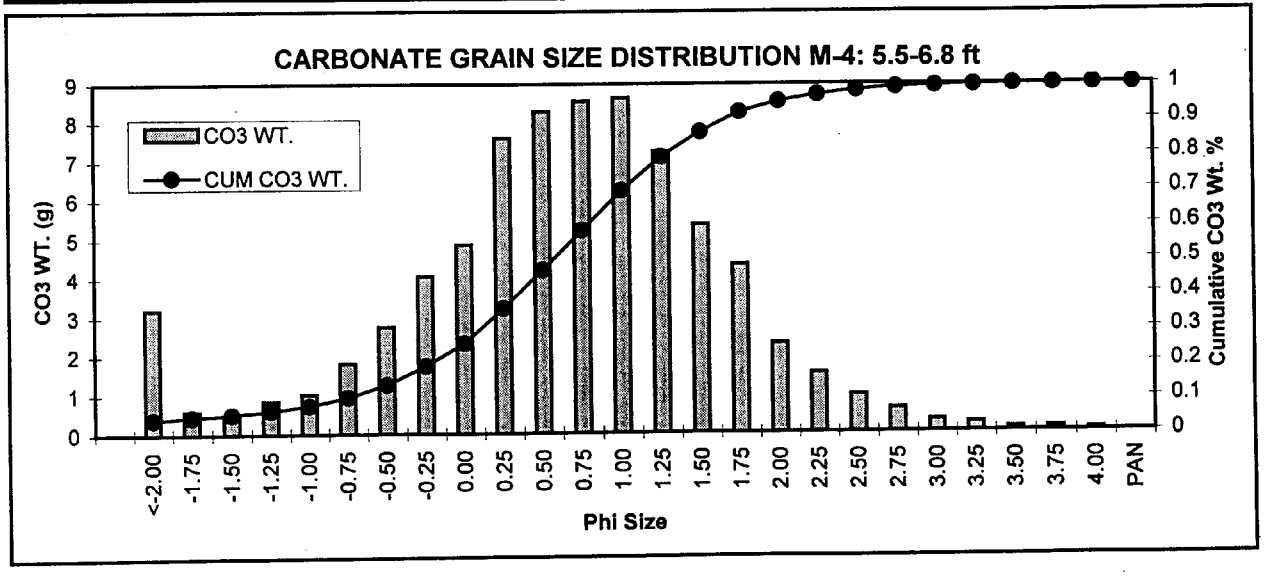


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-4 : 5.5-6.8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	3.197	0.000	3.197	3.197	0.042121212	0.042121212
-1.75	0.590	0.000	0.590	3.787	0.007773386	0.049894598
-1.50	0.493	0.000	0.493	4.280	0.006495389	0.056389987
-1.25	0.857	0.000	0.857	5.137	0.011291173	0.067681159
-1.00	1.032	0.000	1.032	6.169	0.013596838	0.081277997
-0.75	1.823	0.000	1.823	7.992	0.024018445	0.105296443
-0.50	2.776	0.022	2.754	10.746	0.036284585	0.141581028
-0.25	4.063	0.014	4.049	14.795	0.053346509	0.194927536
0.00	4.949	0.079	4.870	19.665	0.064163373	0.259090909
0.25	7.757	0.150	7.607	27.272	0.100223979	0.359314888
0.50	8.482	0.191	8.291	35.563	0.109235837	0.468550725
0.75	8.838	0.288	8.550	44.113	0.112648221	0.581198946
1.00	9.465	0.828	8.637	52.750	0.113794466	0.694993412
1.25	9.579	2.341	7.238	59.988	0.095362319	0.790355731
1.50	8.015	2.635	5.380	65.368	0.070882740	0.861238472
1.75	7.460	3.117	4.343	69.711	0.057220026	0.918458498
2.00	4.318	2.009	2.309	72.020	0.030421607	0.948880105
2.25	2.654	1.125	1.529	73.549	0.020144928	0.969025033
2.50	1.519	0.554	0.965	74.514	0.012714097	0.981739130
2.75	0.953	0.351	0.602	75.116	0.007931489	0.989670619
3.00	0.696	0.400	0.296	75.412	0.003899868	0.993570487
3.25	0.596	0.362	0.234	75.646	0.003083004	0.996653491
3.50	0.392	0.299	0.093	75.739	0.001225296	0.997878788
3.75	0.323	0.216	0.107	75.846	0.001409750	0.999288538
4.00	0.150	0.098	0.052	75.898	0.000685112	0.999973650
PAN	0.135	0.133	0.002	75.900	0.000026350	1.0

TOTAL WT.	91.112	grams
CO3 WT	75.900	grams
% CARBONATE	83.304	

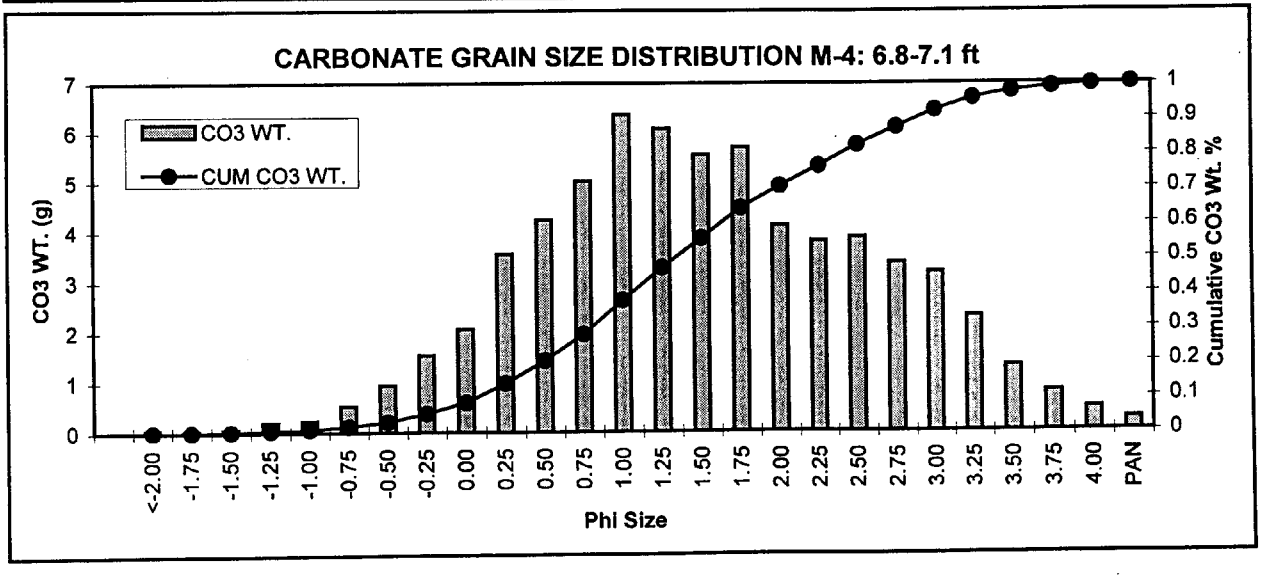


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-4 : 6.8-7.1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.050	0.000	0.050	0.050	0.000758518	0.000758518
-1.75	0.036	0.000	0.036	0.086	0.000546133	0.001304651
-1.50	0.073	0.000	0.073	0.159	0.001107437	0.002412088
-1.25	0.209	0.000	0.209	0.368	0.003170606	0.005582694
-1.00	0.238	0.000	0.238	0.606	0.003610546	0.009193240
-0.75	0.537	0.000	0.537	1.143	0.008146485	0.017339725
-0.50	0.960	0.009	0.951	2.094	0.014427015	0.031766740
-0.25	1.553	0.002	1.551	3.645	0.023529233	0.055295974
0.00	2.070	0.000	2.070	5.715	0.031402652	0.086698626
0.25	3.573	0.000	3.573	9.288	0.054203708	0.140902333
0.50	4.257	0.001	4.256	13.544	0.064565066	0.205467399
0.75	5.036	0.008	5.028	18.572	0.076276586	0.281743985
1.00	6.425	0.062	6.363	24.935	0.096529021	0.378273006
1.25	6.426	0.344	6.082	31.017	0.092266149	0.470539155
1.50	6.016	0.462	5.554	36.571	0.084256197	0.554795352
1.75	6.598	0.893	5.705	42.276	0.086546922	0.641342274
2.00	5.176	1.035	4.141	46.417	0.062820474	0.704162748
2.25	4.927	1.095	3.832	50.249	0.058132832	0.762295579
2.50	5.032	1.122	3.910	54.159	0.059316120	0.821611699
2.75	4.991	1.601	3.390	57.549	0.051427531	0.873039231
3.00	5.661	2.459	3.202	60.751	0.048575503	0.921614733
3.25	5.981	3.659	2.322	63.073	0.035225583	0.956840317
3.50	5.582	4.258	1.324	64.397	0.020085561	0.976925878
3.75	4.579	3.778	0.801	65.198	0.012151461	0.989077339
4.00	1.541	1.078	0.463	65.661	0.007023878	0.996101217
PAN	0.540	0.283	0.257	65.918	0.003898783	1.0

TOTAL WT.	88.067	grams
CO3 WT	65.918	grams
% CARBONATE	74.850	

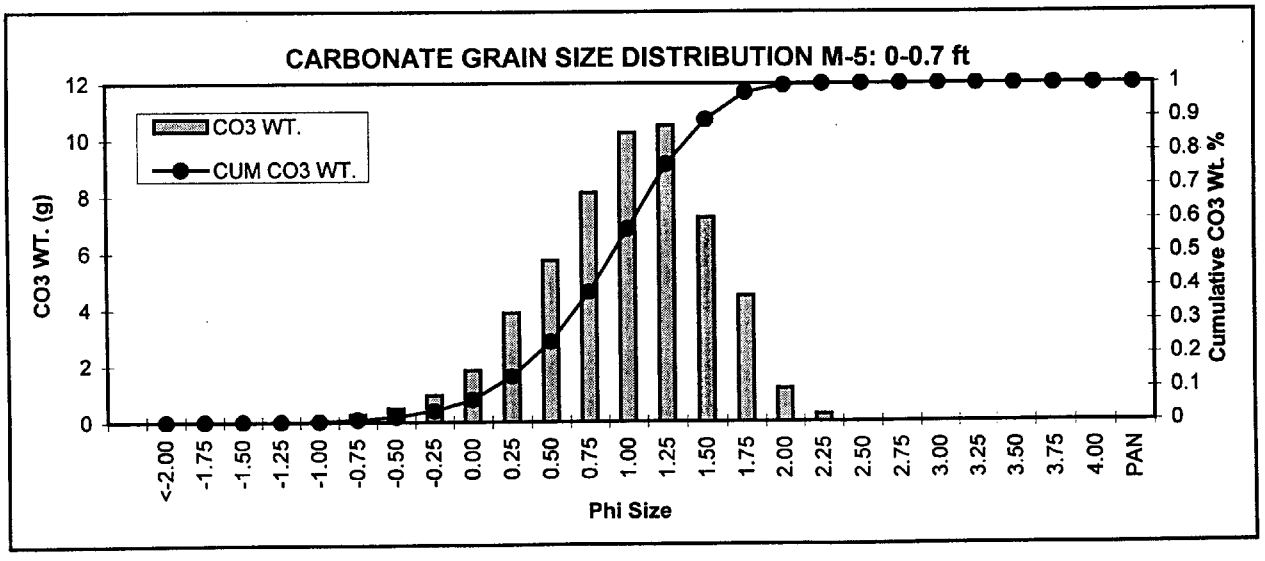


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-5 : 0-0.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.034	0.000	0.034	0.034	0.000614173	0.000614173
-1.50	0.000	0.000	0.000	0.034	0.000000000	0.000614173
-1.25	0.030	0.000	0.030	0.064	0.000541917	0.001156090
-1.00	0.055	0.000	0.055	0.119	0.000993515	0.002149605
-0.75	0.275	0.000	0.275	0.394	0.004967575	0.007117181
-0.50	0.482	0.000	0.482	0.876	0.008706805	0.015823985
-0.25	0.974	0.022	0.952	1.828	0.017196842	0.033020828
0.00	1.905	0.074	1.831	3.659	0.033075019	0.066095847
0.25	4.201	0.335	3.866	7.525	0.069835077	0.135930924
0.50	6.640	0.904	5.736	13.261	0.103614588	0.239545512
0.75	10.082	1.946	8.136	21.397	0.146967973	0.386513485
1.00	14.363	4.104	10.259	31.656	0.185317654	0.571831139
1.25	15.665	5.165	10.500	42.156	0.189671056	0.761502195
1.50	11.472	4.204	7.268	49.424	0.131288499	0.892790693
1.75	7.257	2.786	4.471	53.895	0.080763742	0.973554436
2.00	2.172	1.000	1.172	55.067	0.021170903	0.994725338
2.25	0.679	0.415	0.264	55.331	0.004768872	0.999494211
2.50	0.258	0.244	0.014	55.345	0.000252895	0.999747105
2.75	0.102	0.100	0.002	55.347	0.000036128	0.999783233
3.00	0.073	0.071	0.002	55.349	0.000036128	0.999819361
3.25	0.047	0.045	0.002	55.351	0.000036128	0.999855489
3.50	0.080	0.078	0.002	55.353	0.000036128	0.999891617
3.75	0.021	0.019	0.002	55.355	0.000036128	0.999927744
4.00	0.010	0.008	0.002	55.357	0.000036128	0.999963872
PAN	0.014	0.012	0.002	55.359	0.000036128	1.0

TOTAL WT.	76.891	grams
CO3 WT	55.359	grams
% CARBONATE	71.997	

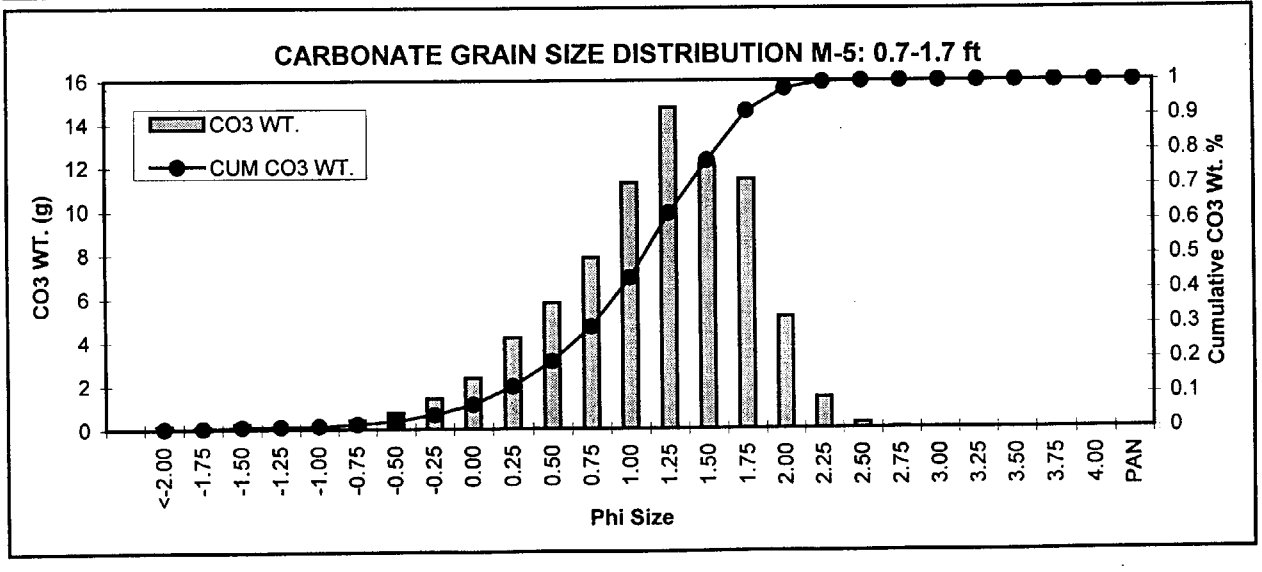


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-5 : 0.7-1.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.147	0.000	0.147	0.147	0.001835550	0.001835550
-1.75	0.109	0.000	0.109	0.256	0.001361054	0.003196604
-1.50	0.254	0.000	0.254	0.510	0.003171630	0.006368234
-1.25	0.093	0.000	0.093	0.603	0.001161266	0.007529500
-1.00	0.153	0.000	0.153	0.756	0.001910470	0.009439970
-0.75	0.414	0.000	0.414	1.170	0.005169507	0.014609477
-0.50	0.751	0.000	0.751	1.921	0.009377536	0.023987014
-0.25	1.417	0.002	1.415	3.336	0.017668727	0.041655741
0.00	2.430	0.083	2.347	5.683	0.029306362	0.070962103
0.25	4.497	0.295	4.202	9.885	0.052469251	0.123431354
0.50	6.703	0.909	5.794	15.679	0.072348130	0.195779484
0.75	10.038	2.174	7.864	23.543	0.098195667	0.293975151
1.00	16.368	5.091	11.277	34.820	0.140812886	0.434788038
1.25	22.215	7.451	14.764	49.584	0.184354124	0.619142161
1.50	19.419	7.303	12.116	61.700	0.151289255	0.770431417
1.75	18.736	7.265	11.471	73.171	0.143235312	0.913666729
2.00	8.277	3.121	5.156	78.327	0.064381595	0.978048324
2.25	2.596	1.162	1.434	79.761	0.017905975	0.995954299
2.50	0.681	0.411	0.270	80.031	0.003371418	0.999325716
2.75	0.196	0.153	0.043	80.074	0.000536930	0.999862646
3.00	0.091	0.089	0.002	80.076	0.000024973	0.999887619
3.25	0.058	0.056	0.002	80.078	0.000024973	0.999912593
3.50	0.045	0.044	0.001	80.079	0.000012487	0.999925080
3.75	0.037	0.035	0.002	80.081	0.000024973	0.999950053
4.00	0.029	0.027	0.002	80.083	0.000024973	0.999975027
PAN	0.031	0.029	0.002	80.085	0.000024973	1.0

TOTAL WT.	115.785	grams
CO3 WT	80.085	grams
% CARBONATE	69.167	

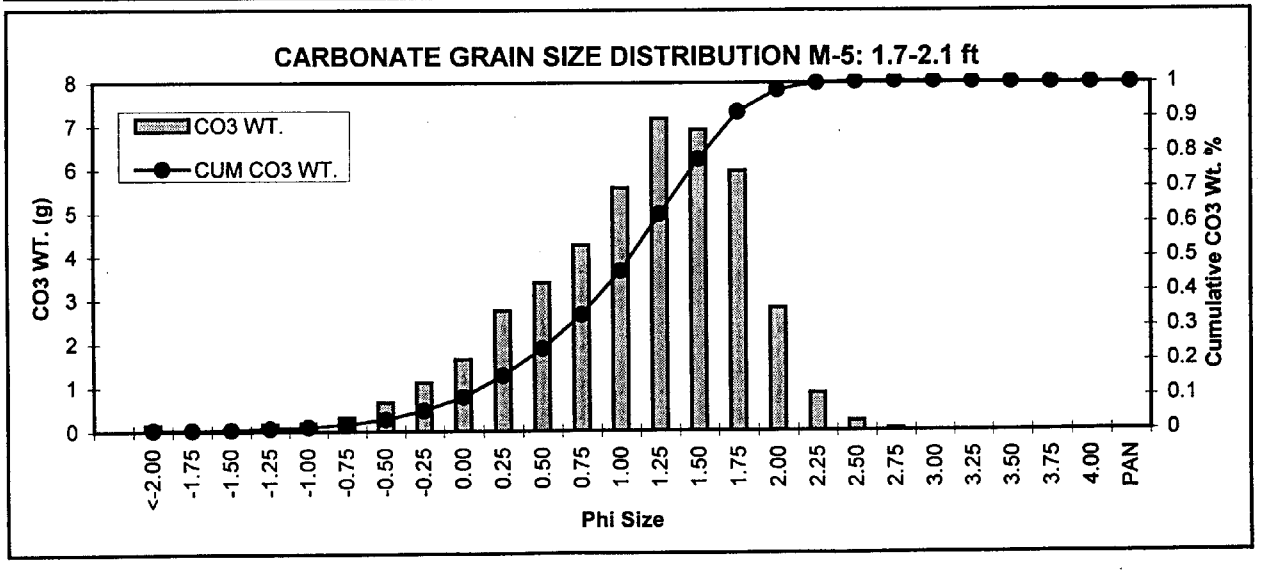


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-5 : 1.7-2.1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.146	0.000	0.146	0.146	0.003310583	0.003310583
-1.75	0.000	0.000	0.000	0.146	0.000000000	0.003310583
-1.50	0.049	0.000	0.049	0.195	0.001111086	0.004421668
-1.25	0.165	0.000	0.165	0.360	0.003741412	0.008163080
-1.00	0.186	0.000	0.186	0.546	0.004217591	0.012380672
-0.75	0.317	0.000	0.317	0.863	0.007188046	0.019568717
-0.50	0.654	0.000	0.654	1.517	0.014829596	0.034398313
-0.25	1.138	0.018	1.120	2.637	0.025396250	0.059794562
0.00	1.717	0.061	1.656	4.293	0.037550169	0.097344731
0.25	2.963	0.209	2.754	7.047	0.062447564	0.159792295
0.50	3.945	0.536	3.409	10.456	0.077299834	0.237092129
0.75	5.428	1.146	4.282	14.738	0.097095304	0.334187433
1.00	8.467	2.890	5.577	20.315	0.126459717	0.460647151
1.25	11.150	3.978	7.172	27.487	0.162626698	0.623273849
1.50	10.571	3.652	6.919	34.406	0.156889866	0.780163715
1.75	10.697	4.721	5.976	40.382	0.135507131	0.915670846
2.00	5.118	2.298	2.820	43.202	0.063944128	0.979614975
2.25	1.801	0.943	0.858	44.060	0.019455341	0.999070316
2.50	0.559	0.341	0.218	44.278	0.004943199	1.004013514
2.75	0.161	0.114	0.047	44.325	0.001065735	1.005079250
3.00	0.058	0.068	-0.010	44.315	-0.000226752	1.004852498
3.25	0.029	0.069	-0.040	44.275	-0.000907009	1.003945489
3.50	0.021	0.075	-0.054	44.221	-0.001224462	1.002721027
3.75	0.013	0.064	-0.051	44.170	-0.001156436	1.001564590
4.00	0.010	0.038	-0.028	44.142	-0.000634906	1.000929684
PAN	0.016	0.057	-0.041	44.101	-0.000929684	1.0

TOTAL WT.	65.379	grams
CO3 WT	44.101	grams
% CARBONATE	67.454	

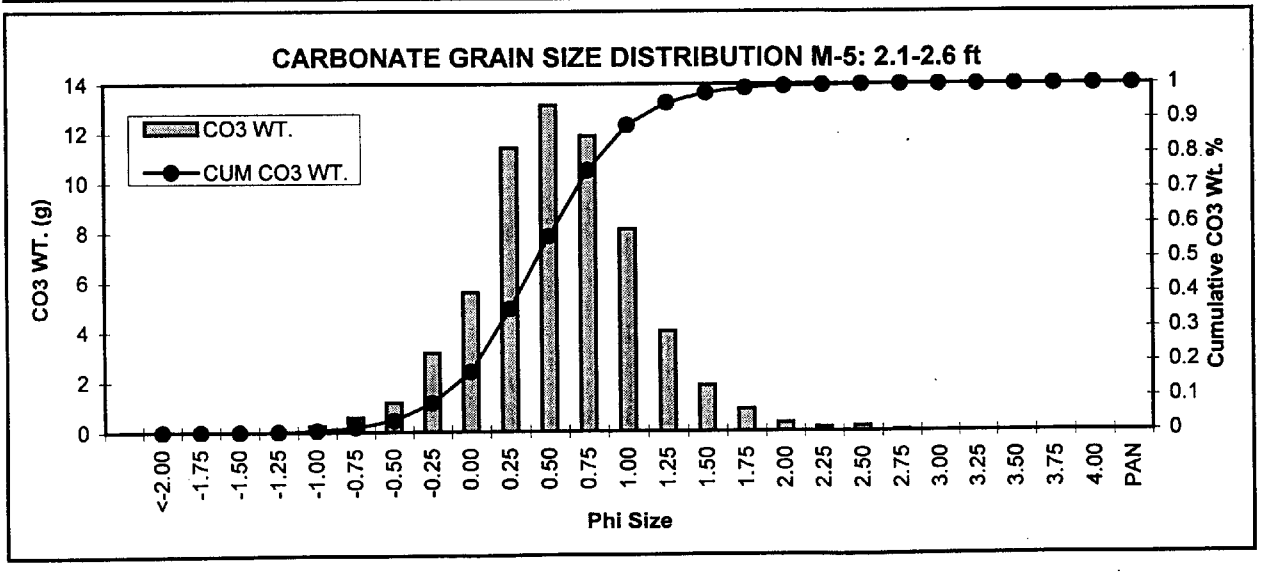


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-5 : 2.1-2.6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.032	0.000	0.032	0.032	0.000508720	0.000508720
-1.00	0.240	0.000	0.240	0.272	0.003815398	0.004324118
-0.75	0.598	0.000	0.598	0.870	0.009506701	0.013830819
-0.50	1.178	0.002	1.176	2.046	0.018695452	0.032526271
-0.25	3.204	0.039	3.165	5.211	0.050315565	0.082841836
0.00	5.820	0.213	5.607	10.818	0.089137243	0.171979079
0.25	12.151	0.734	11.417	22.235	0.181501677	0.353480756
0.50	14.389	1.251	13.138	35.373	0.208861263	0.562342019
0.75	13.144	1.250	11.894	47.267	0.189084781	0.751426800
1.00	9.254	1.103	8.151	55.418	0.129580465	0.881007265
1.25	5.020	0.982	4.038	59.456	0.064194077	0.945201342
1.50	2.316	0.480	1.836	61.292	0.029187797	0.974389139
1.75	1.520	0.641	0.879	62.171	0.013973896	0.988363035
2.00	0.742	0.411	0.331	62.502	0.005262070	0.993625105
2.25	0.415	0.256	0.159	62.661	0.002527701	0.996152807
2.50	0.319	0.131	0.188	62.849	0.002988729	0.999141535
2.75	0.114	0.070	0.044	62.893	0.000699490	0.999841025
3.00	0.076	0.076	0.000	62.893	0.000000000	0.999841025
3.25	0.058	0.056	0.002	62.895	0.000031795	0.999872820
3.50	0.042	0.040	0.002	62.897	0.000031795	0.999904615
3.75	0.034	0.032	0.002	62.899	0.000031795	0.999936410
4.00	0.021	0.019	0.002	62.901	0.000031795	0.999968205
PAN	0.027	0.025	0.002	62.903	0.000031795	1.0

TOTAL WT.	70.714	grams
CO3 WT	62.903	grams
% CARBONATE	88.954	

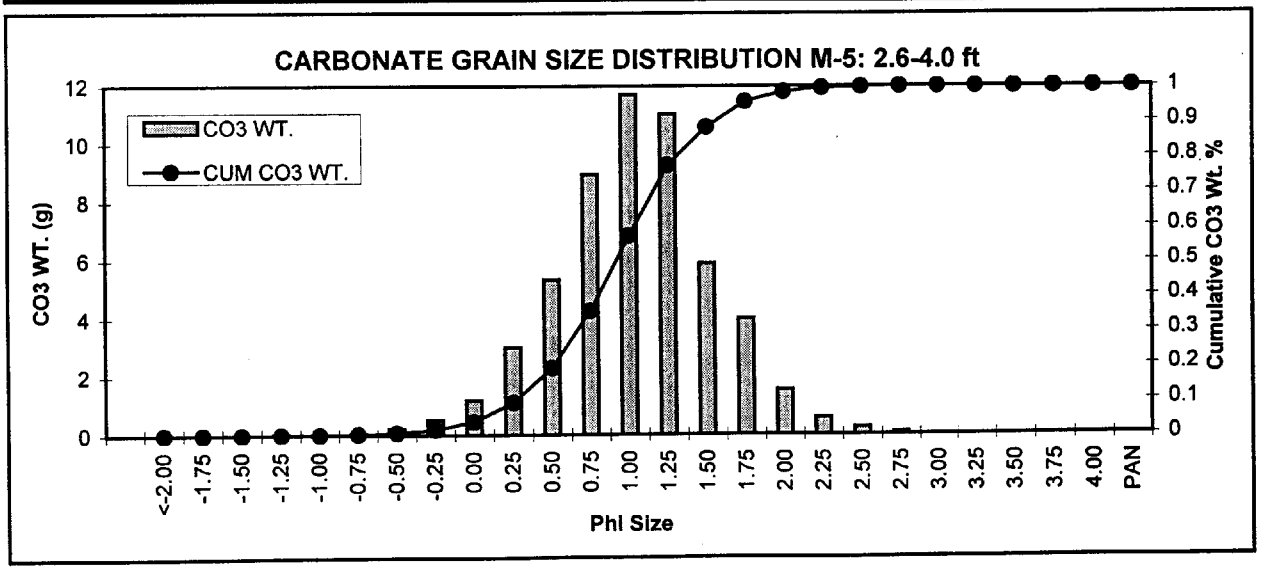


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-5 : 2.6-4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.031	0.000	0.031	0.031	0.000569204	0.000569204
-1.00	0.028	0.000	0.028	0.059	0.000514120	0.001083324
-0.75	0.070	0.000	0.070	0.129	0.001285300	0.002368624
-0.50	0.226	0.001	0.225	0.354	0.004131321	0.006499945
-0.25	0.524	0.000	0.524	0.878	0.009621387	0.016121332
0.00	1.252	0.055	1.197	2.075	0.021978627	0.038099960
0.25	3.323	0.312	3.011	5.086	0.055286255	0.093386214
0.50	6.471	1.131	5.340	10.426	0.098050017	0.191436231
0.75	11.445	2.485	8.960	19.386	0.164518380	0.355954611
1.00	16.408	4.709	11.699	31.085	0.214810326	0.570764937
1.25	16.251	5.222	11.029	42.114	0.202508171	0.773273108
1.50	9.676	3.771	5.905	48.019	0.108424222	0.881697330
1.75	7.130	3.123	4.007	52.026	0.073574235	0.955271565
2.00	2.998	1.458	1.540	53.566	0.028276597	0.983548162
2.25	1.282	0.702	0.580	54.146	0.010649627	0.994197789
2.50	0.510	0.273	0.237	54.383	0.004351658	0.998549447
2.75	0.156	0.092	0.064	54.447	0.001175131	0.999724579
3.00	0.074	0.069	0.005	54.452	0.000091807	0.999816386
3.25	0.045	0.043	0.002	54.454	0.000036723	0.999853109
3.50	0.036	0.034	0.002	54.456	0.000036723	0.999889831
3.75	0.024	0.022	0.002	54.458	0.000036723	0.999926554
4.00	0.022	0.020	0.002	54.460	0.000036723	0.999963277
PAN	0.017	0.015	0.002	54.462	0.000036723	1.0

TOTAL WT.	77.999	grams
CO3 WT	54.462	grams
% CARBONATE	69.824	

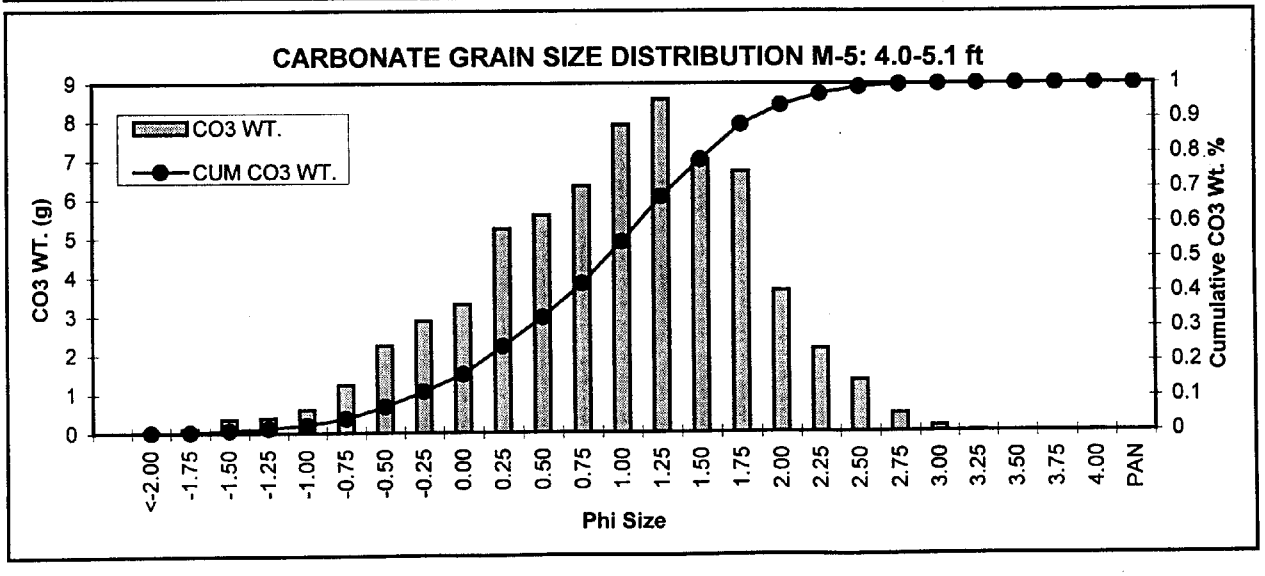


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-5 : 4.0-5.1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.038	0.000	0.038	0.038	0.000572160	0.000572160
-1.75	0.105	0.000	0.105	0.143	0.001580968	0.002153128
-1.50	0.348	0.000	0.348	0.491	0.005239780	0.007392908
-1.25	0.393	0.000	0.393	0.884	0.005917338	0.013310246
-1.00	0.597	0.000	0.597	1.481	0.008988933	0.022299179
-0.75	1.228	0.000	1.228	2.709	0.018489799	0.040788978
-0.50	2.249	0.000	2.249	4.958	0.033862832	0.074651811
-0.25	2.892	0.011	2.881	7.839	0.043378755	0.118030565
0.00	3.341	0.031	3.310	11.149	0.049838139	0.167868704
0.25	5.382	0.134	5.248	16.397	0.079018294	0.246886998
0.50	5.880	0.274	5.606	22.003	0.084408643	0.331295641
0.75	6.991	0.642	6.349	28.352	0.095595874	0.426891515
1.00	9.517	1.599	7.918	36.270	0.119220056	0.546111571
1.25	11.628	3.043	8.585	44.855	0.129262968	0.675374539
1.50	10.335	3.323	7.012	51.867	0.105578559	0.780953098
1.75	10.781	4.059	6.722	58.589	0.101212076	0.882165174
2.00	6.234	2.571	3.663	62.252	0.055153203	0.937318377
2.25	3.931	1.771	2.160	64.412	0.032522773	0.969841150
2.50	2.509	1.177	1.332	65.744	0.020055710	0.989896861
2.75	0.864	0.392	0.472	66.216	0.007106828	0.997003689
3.00	0.300	0.147	0.153	66.369	0.002303696	0.999307385
3.25	0.143	0.111	0.032	66.401	0.000481819	0.999789204
3.50	0.107	0.105	0.002	66.403	0.000030114	0.999819318
3.75	0.081	0.079	0.002	66.405	0.000030114	0.999849432
4.00	0.061	0.053	0.008	66.413	0.000120455	0.999969886
PAN	0.066	0.064	0.002	66.415	0.000030114	1.0

TOTAL WT.	86.001	grams
CO3 WT	66.415	grams
% CARBONATE	77.226	

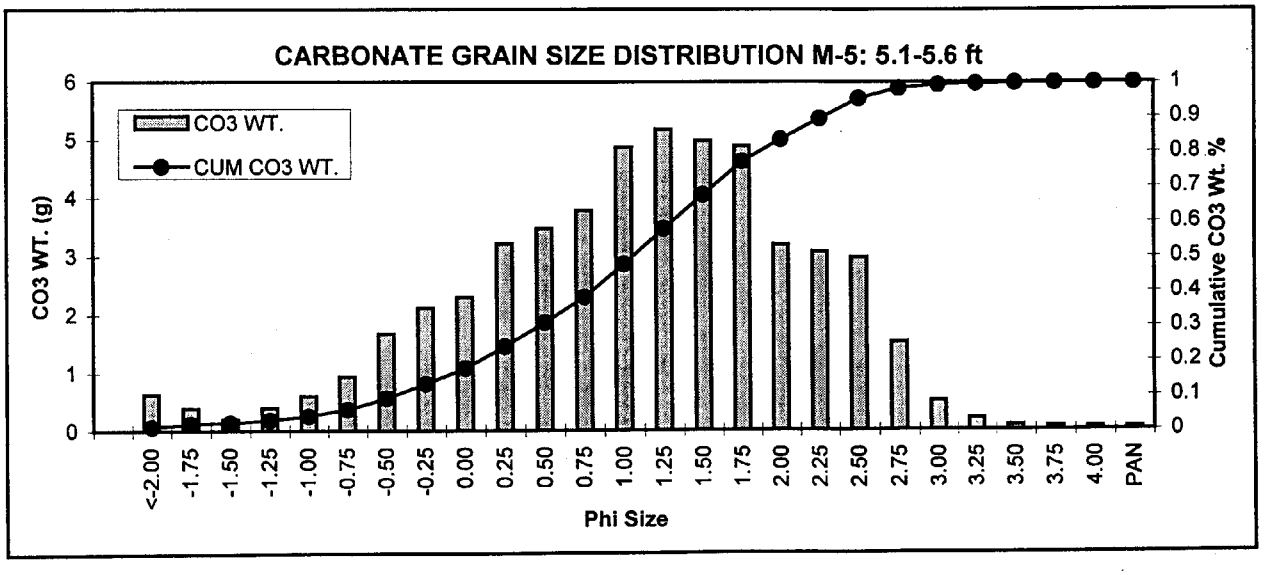


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-5 : 5.1-5.6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.634	0.000	0.634	0.634	0.012329353	0.012329353
-1.75	0.393	0.000	0.393	1.027	0.007642643	0.019971996
-1.50	0.199	0.000	0.199	1.226	0.003869939	0.023841935
-1.25	0.397	0.000	0.397	1.623	0.007720431	0.031562366
-1.00	0.604	0.000	0.604	2.227	0.011745945	0.043308312
-0.75	0.948	0.000	0.948	3.175	0.018435689	0.061744001
-0.50	1.678	0.000	1.678	4.853	0.032631947	0.094375948
-0.25	2.113	0.000	2.113	6.966	0.041091362	0.135467310
0.00	2.305	0.000	2.305	9.271	0.044825172	0.180292482
0.25	3.221	0.006	3.215	12.486	0.062521878	0.242814360
0.50	3.541	0.063	3.478	15.964	0.067636420	0.310450780
0.75	3.975	0.187	3.788	19.752	0.073664968	0.384115748
1.00	5.413	0.537	4.876	24.628	0.094823227	0.478938976
1.25	6.356	1.183	5.173	29.801	0.100598965	0.579537941
1.50	6.183	1.203	4.980	34.781	0.096845708	0.676383649
1.75	7.272	2.377	4.895	39.676	0.095192719	0.771576368
2.00	5.641	2.440	3.201	42.877	0.062249621	0.833825989
2.25	5.628	2.545	3.083	45.960	0.059954883	0.893780872
2.50	5.858	2.877	2.981	48.941	0.057971296	0.951752168
2.75	2.902	1.376	1.526	50.467	0.029676014	0.981428182
3.00	1.071	0.558	0.513	50.980	0.009976275	0.991404457
3.25	0.531	0.326	0.205	51.185	0.003986621	0.995391078
3.50	0.300	0.216	0.084	51.269	0.001633542	0.997024620
3.75	0.162	0.105	0.057	51.326	0.001108475	0.998133095
4.00	0.100	0.046	0.054	51.380	0.001050134	0.999183229
PAN	0.102	0.060	0.042	51.422	0.000816771	1.0

TOTAL WT.	67.527	grams
CO3 WT	51.422	grams
% CARBONATE	76.150	

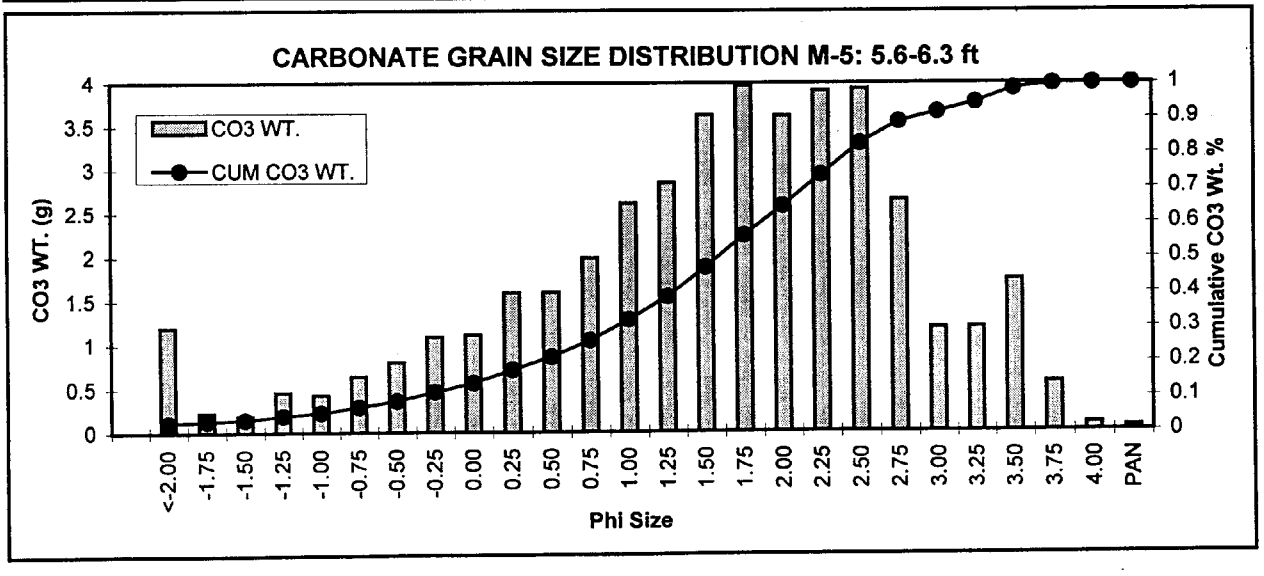


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-5 : 5.6-6.3 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.194	0.000	1.194	1.194	0.027519764	0.027519764
-1.75	0.226	0.000	0.226	1.420	0.005208934	0.032728698
-1.50	0.187	0.000	0.187	1.607	0.004310047	0.037038744
-1.25	0.459	0.000	0.459	2.066	0.010579206	0.047617950
-1.00	0.432	0.000	0.432	2.498	0.009956900	0.057574850
-0.75	0.647	0.000	0.647	3.145	0.014912301	0.072487151
-0.50	0.808	0.000	0.808	3.953	0.018623090	0.091110240
-0.25	1.092	0.000	1.092	5.045	0.025168829	0.116279070
0.00	1.122	0.004	1.118	6.163	0.025768087	0.142047157
0.25	1.688	0.092	1.596	7.759	0.036785212	0.178832369
0.50	1.816	0.213	1.603	9.362	0.036946551	0.215778920
0.75	2.426	0.432	1.994	11.356	0.045958467	0.261737387
1.00	3.657	1.041	2.616	13.972	0.060294558	0.322031945
1.25	4.863	2.011	2.852	16.824	0.065733976	0.387765921
1.50	5.688	2.059	3.629	20.453	0.083642566	0.471408486
1.75	9.307	5.341	3.966	24.419	0.091409869	0.562818356
2.00	10.098	6.477	3.621	28.040	0.083458179	0.646276534
2.25	11.639	7.728	3.911	31.951	0.090142208	0.736418743
2.50	11.300	7.369	3.931	35.882	0.090603176	0.827021919
2.75	8.144	5.482	2.662	38.544	0.061354784	0.888376703
3.00	8.286	7.097	1.189	39.733	0.027404522	0.915781225
3.25	9.707	8.506	1.201	40.934	0.027681103	0.943462327
3.50	5.825	4.075	1.750	42.684	0.040334662	0.983796990
3.75	1.559	0.991	0.568	43.252	0.013091479	0.996888469
4.00	0.220	0.133	0.087	43.339	0.002005209	0.998893678
PAN	0.136	0.088	0.048	43.387	0.001106322	1.0

TOTAL WT.	102.526	grams
CO3 WT	43.387	grams
% CARBONATE	42.318	

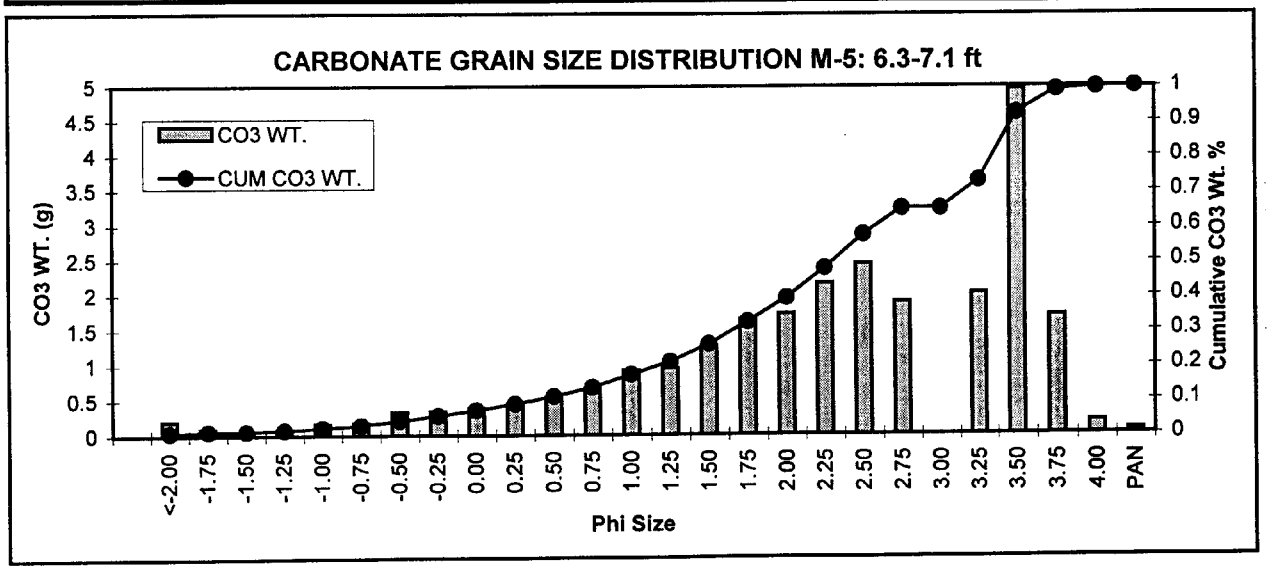


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-5 : 6.3-7.1 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.203	0.000	0.203	0.203	0.007957664	0.007957664
-1.75	0.097	0.000	0.097	0.300	0.003802430	0.011760094
-1.50	0.014	0.000	0.014	0.314	0.000548804	0.012308898
-1.25	0.093	0.000	0.093	0.407	0.003645629	0.015954528
-1.00	0.168	0.000	0.168	0.575	0.006585653	0.022540180
-0.75	0.183	0.000	0.183	0.758	0.007173657	0.029713838
-0.50	0.330	0.000	0.330	1.088	0.012936103	0.042649941
-0.25	0.346	0.000	0.346	1.434	0.013563309	0.056213250
0.00	0.395	0.004	0.391	1.825	0.015327323	0.071540572
0.25	0.504	0.052	0.452	2.277	0.017718542	0.089259114
0.50	0.627	0.085	0.542	2.819	0.021246570	0.110505684
0.75	0.846	0.176	0.670	3.489	0.026264210	0.136769894
1.00	1.353	0.426	0.927	4.416	0.036338691	0.173108585
1.25	1.829	0.874	0.955	5.371	0.037436299	0.210544884
1.50	1.895	0.627	1.268	6.639	0.049705998	0.260250882
1.75	3.677	2.027	1.650	8.289	0.064680517	0.324931399
2.00	4.236	2.497	1.739	10.028	0.068169345	0.393100745
2.25	5.511	3.340	2.171	12.199	0.085103881	0.478204626
2.50	6.343	3.889	2.454	14.653	0.096197570	0.574402195
2.75	6.574	4.671	1.903	16.556	0.074598197	0.649000392
3.00	10.976	10.974	0.002	16.558	0.000078401	0.649078793
3.25	18.370	16.339	2.031	18.589	0.079615837	0.728694630
3.50	13.220	8.257	4.963	23.552	0.194551156	0.923245786
3.75	3.988	2.279	1.709	25.261	0.066993336	0.990239122
4.00	0.391	0.206	0.185	25.446	0.007252058	0.997491180
PAN	0.119	0.055	0.064	25.510	0.002508820	1.0

TOTAL WT.	82.288	grams
CO3 WT	25.510	grams
% CARBONATE	31.001	

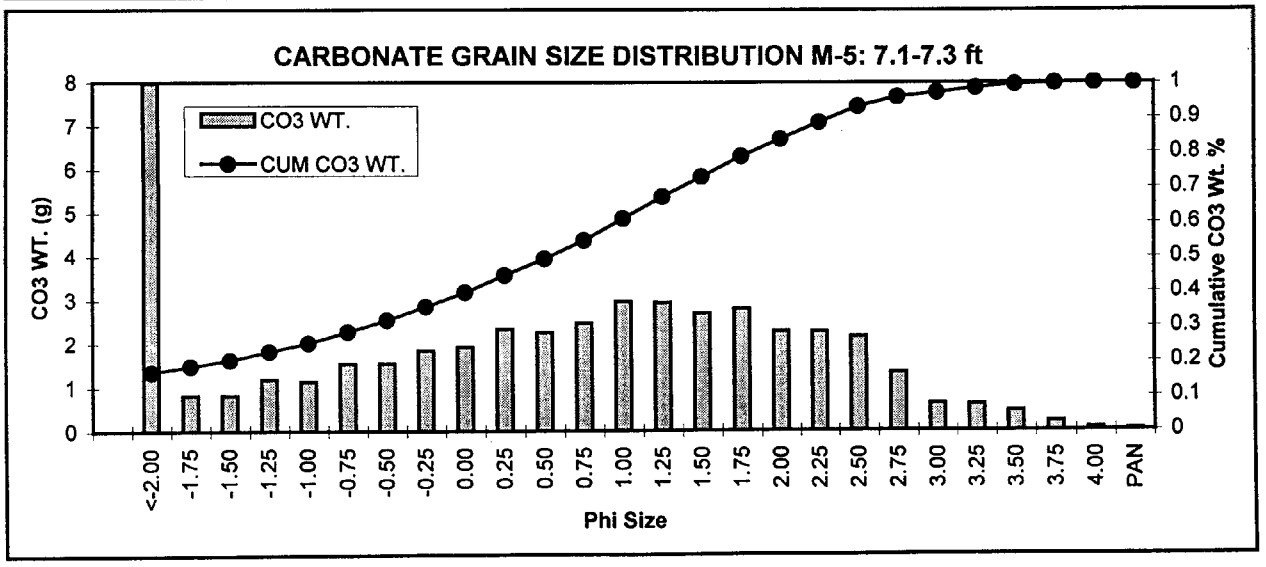


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-5 : 7.1-7.3 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	7.986	0.000	7.986	7.986	0.168762283	0.168762283
-1.75	0.823	0.000	0.823	8.809	0.017391856	0.186154139
-1.50	0.827	0.000	0.827	9.636	0.017476385	0.203630523
-1.25	1.187	0.000	1.187	10.823	0.025084001	0.228714524
-1.00	1.133	0.000	1.133	11.956	0.023942858	0.252657383
-0.75	1.549	0.000	1.549	13.505	0.032733881	0.285391264
-0.50	1.550	0.000	1.550	15.055	0.032755014	0.318146278
-0.25	1.851	0.000	1.851	16.906	0.039115826	0.357262104
0.00	1.966	0.050	1.916	18.822	0.040489423	0.397751527
0.25	2.485	0.151	2.334	21.156	0.049322711	0.447074238
0.50	2.550	0.300	2.250	23.406	0.047547600	0.494621838
0.75	3.022	0.550	2.472	25.878	0.052238964	0.546860802
1.00	4.196	1.232	2.964	28.842	0.062636039	0.609496841
1.25	4.830	1.896	2.934	31.776	0.062002071	0.671498912
1.50	4.558	1.854	2.704	34.480	0.057141650	0.728640561
1.75	6.257	3.454	2.803	37.283	0.059233744	0.787874305
2.00	6.105	3.814	2.291	39.574	0.048414023	0.836288329
2.25	6.268	3.986	2.282	41.856	0.048223833	0.884512162
2.50	5.690	3.519	2.171	44.027	0.045878151	0.930390313
2.75	3.970	2.630	1.340	45.367	0.028317238	0.958707551
3.00	3.689	3.068	0.621	45.988	0.013123138	0.971830688
3.25	4.485	3.887	0.598	46.586	0.012637096	0.984467784
3.50	2.767	2.309	0.458	47.044	0.009678578	0.994146362
3.75	0.788	0.585	0.203	47.247	0.004289850	0.998436212
4.00	0.126	0.071	0.055	47.302	0.001162275	0.999598487
PAN	0.077	0.058	0.019	47.321	0.000401513	1.0

TOTAL WT.	80.735	grams
CO3 WT	47.321	grams
% CARBONATE	58.613	

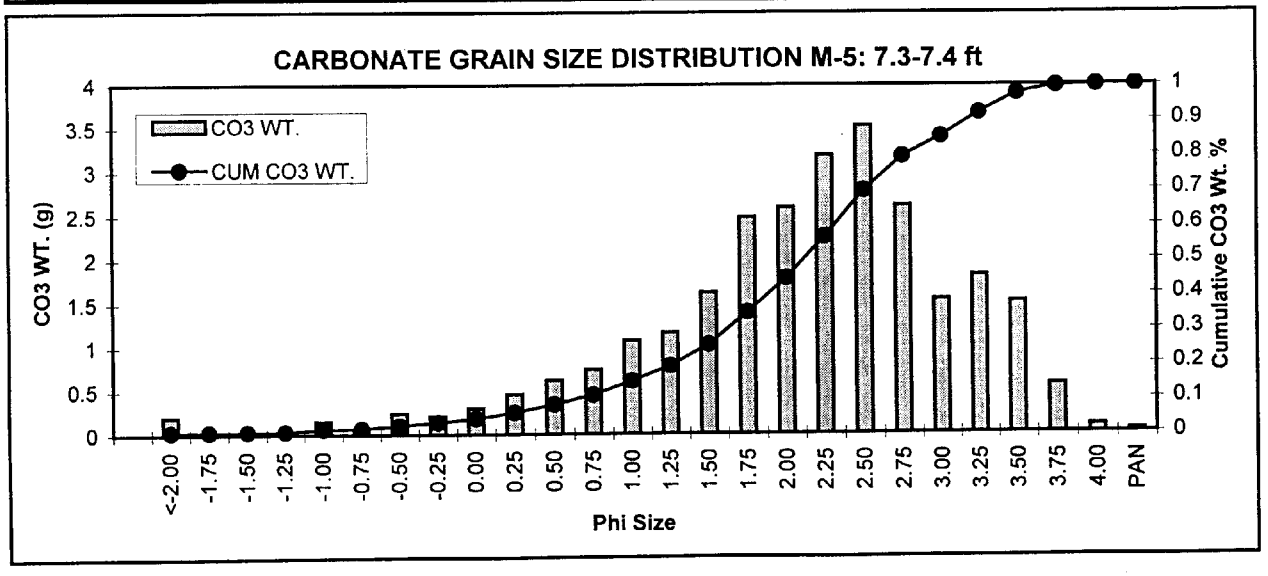


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-5 : 7.3-7.4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.203	0.000	0.203	0.203	0.007560803	0.007560803
-1.75	0.000	0.000	0.000	0.203	0.000000000	0.007560803
-1.50	0.031	0.000	0.031	0.234	0.001154605	0.008715408
-1.25	0.023	0.000	0.023	0.257	0.000856643	0.009572051
-1.00	0.155	0.000	0.155	0.412	0.005773027	0.015345078
-0.75	0.048	0.000	0.048	0.460	0.001787776	0.017132854
-0.50	0.244	0.000	0.244	0.704	0.009087862	0.026220716
-0.25	0.208	0.000	0.208	0.912	0.007747030	0.033967746
0.00	0.320	0.016	0.304	1.216	0.011322582	0.045290327
0.25	0.484	0.027	0.457	1.673	0.017021118	0.062311445
0.50	0.685	0.064	0.621	2.294	0.023129353	0.085440799
0.75	0.892	0.148	0.744	3.038	0.027710529	0.113151328
1.00	1.469	0.391	1.078	4.116	0.040150471	0.153301799
1.25	2.139	0.970	1.169	5.285	0.043539797	0.196841596
1.50	2.640	1.016	1.624	6.909	0.060486424	0.257328020
1.75	5.690	3.208	2.482	9.391	0.092442922	0.349770941
2.00	7.246	4.657	2.589	11.980	0.096428172	0.446199114
2.25	9.012	5.824	3.188	15.168	0.118738128	0.564937242
2.50	9.863	6.335	3.528	18.696	0.131401542	0.696338784
2.75	8.443	5.832	2.611	21.307	0.097247570	0.793586353
3.00	9.421	7.880	1.541	22.848	0.057395061	0.850981415
3.25	10.633	8.816	1.817	24.665	0.067674774	0.918656188
3.50	6.237	4.723	1.514	26.179	0.056389437	0.975045626
3.75	1.740	1.179	0.561	26.740	0.020894633	0.995940258
4.00	0.185	0.103	0.082	26.822	0.003054117	0.998994376
PAN	0.103	0.076	0.027	26.849	0.001005624	1.0

TOTAL WT.	78.114	grams
CO3 WT	26.849	grams
% CARBONATE	34.372	

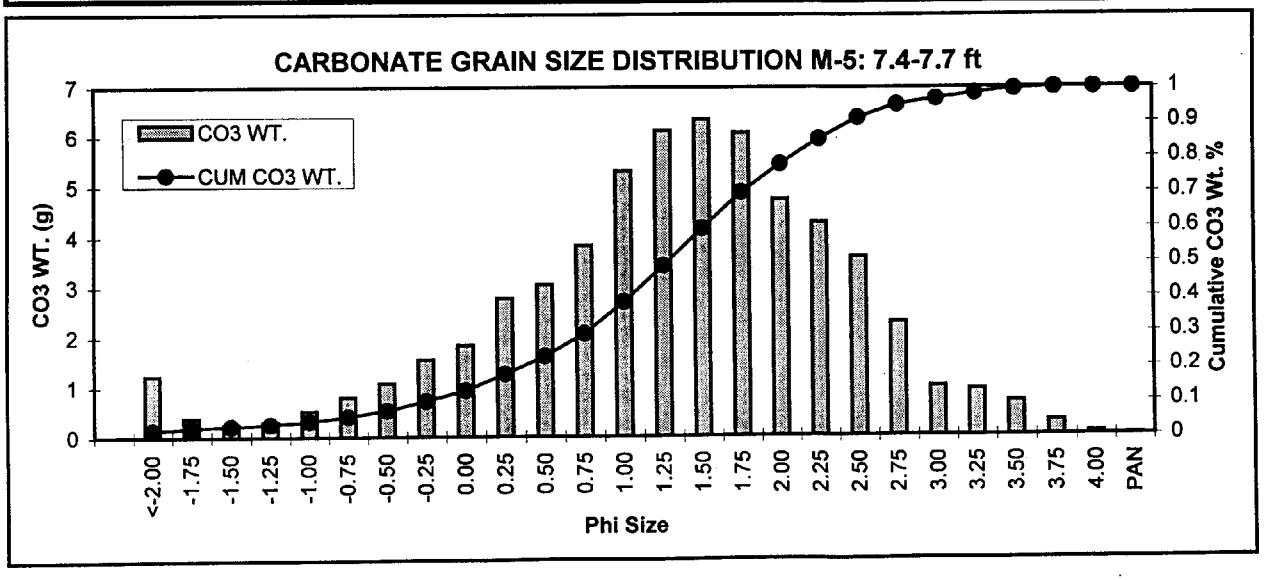


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-5 : 7.4-7.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.228	0.000	1.228	1.228	0.020645942	0.020645942
-1.75	0.380	0.000	0.380	1.608	0.006388809	0.027034752
-1.50	0.253	0.000	0.253	1.861	0.004253602	0.031288354
-1.25	0.308	0.000	0.308	2.169	0.005178298	0.036466652
-1.00	0.528	0.000	0.528	2.697	0.008877083	0.045343735
-0.75	0.801	0.000	0.801	3.498	0.013466938	0.058810673
-0.50	1.078	0.000	1.078	4.576	0.018124044	0.076934716
-0.25	1.558	0.000	1.558	6.134	0.026194119	0.103128835
0.00	1.847	0.001	1.846	7.980	0.031036164	0.134164999
0.25	2.966	0.181	2.785	10.765	0.046823249	0.180988248
0.50	3.516	0.454	3.062	13.827	0.051480354	0.232468602
0.75	4.846	1.012	3.834	17.661	0.064459725	0.296928328
1.00	7.532	2.209	5.323	22.984	0.089493771	0.386422099
1.25	9.965	3.840	6.125	29.109	0.102977521	0.489399620
1.50	10.028	3.678	6.350	35.459	0.106760369	0.596159989
1.75	13.118	7.038	6.080	41.539	0.102220952	0.698380941
2.00	11.821	7.066	4.755	46.294	0.079944182	0.778325123
2.25	11.644	7.349	4.295	50.589	0.072210360	0.850535483
2.50	9.799	6.190	3.609	54.198	0.060676878	0.911212361
2.75	6.214	3.912	2.302	56.500	0.038702735	0.949915096
3.00	4.663	3.668	0.995	57.495	0.016728593	0.966643689
3.25	4.128	3.189	0.939	58.434	0.015787085	0.982430774
3.50	1.974	1.282	0.692	59.126	0.011634358	0.994065132
3.75	0.576	0.283	0.293	59.419	0.004926108	0.998991241
4.00	0.145	0.089	0.056	59.475	0.000941509	0.999932749
PAN	0.116	0.112	0.004	59.479	0.000067251	1.0

TOTAL WT.	111.032	grams
CO3 WT	59.479	grams
% CARBONATE	53.569	

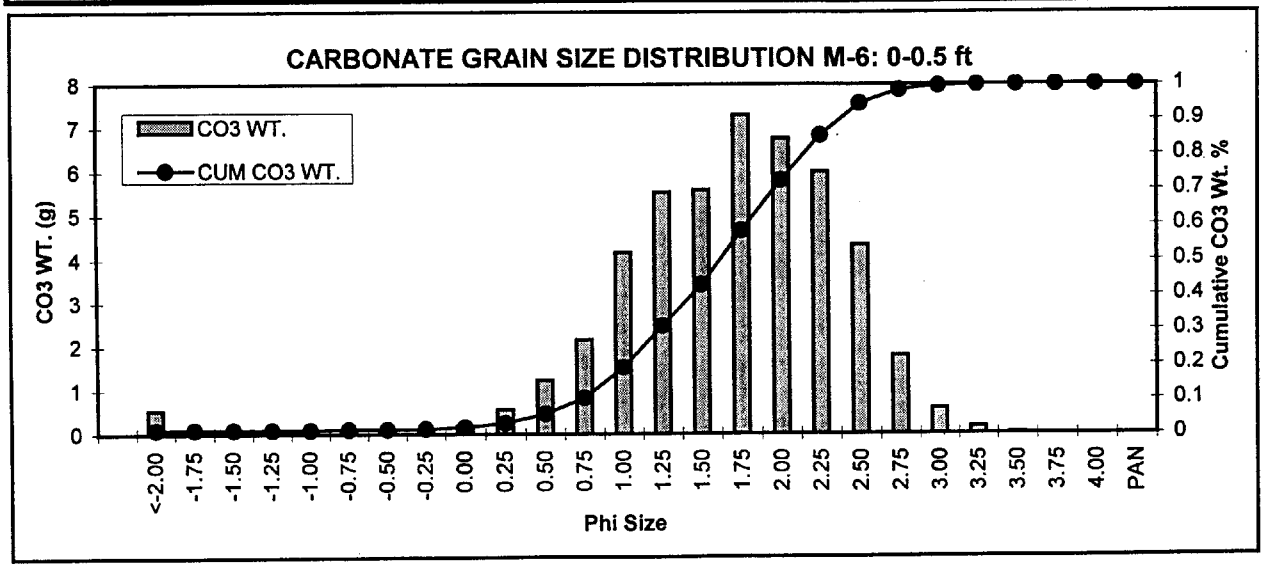


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-6 : 0-0.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.541	0.000	0.541	0.541	0.011476453	0.011476453
-1.75	0.000	0.000	0.000	0.541	0.000000000	0.011476453
-1.50	0.000	0.000	0.000	0.541	0.000000000	0.011476453
-1.25	0.019	0.000	0.019	0.560	0.000403055	0.011879508
-1.00	0.015	0.000	0.015	0.575	0.000318201	0.012197709
-0.75	0.061	0.000	0.061	0.636	0.001294018	0.013491727
-0.50	0.027	0.000	0.027	0.663	0.000572762	0.014064489
-0.25	0.080	0.000	0.080	0.743	0.001697073	0.015761561
0.00	0.191	0.000	0.191	0.934	0.004051761	0.019813322
0.25	0.618	0.055	0.563	1.497	0.011943148	0.031756470
0.50	1.368	0.138	1.230	2.727	0.026092490	0.057848961
0.75	2.614	0.454	2.160	4.887	0.045820959	0.103669919
1.00	5.822	1.658	4.164	9.051	0.088332626	0.192002546
1.25	8.918	3.382	5.536	14.587	0.117437420	0.309439966
1.50	8.994	3.416	5.578	20.165	0.118328384	0.427768350
1.75	15.093	7.794	7.299	27.464	0.154836657	0.582605006
2.00	15.459	8.699	6.760	34.224	0.143402630	0.726007637
2.25	13.411	7.415	5.996	40.220	0.127195588	0.853203224
2.50	8.432	4.094	4.338	44.558	0.092023759	0.945226983
2.75	3.533	1.736	1.797	46.355	0.038120492	0.983347476
3.00	1.734	1.146	0.588	46.943	0.012473483	0.995820959
3.25	0.857	0.695	0.162	47.105	0.003436572	0.999257531
3.50	0.239	0.210	0.029	47.134	0.000615189	0.999872720
3.75	0.050	0.048	0.002	47.136	0.000042427	0.999915146
4.00	0.022	0.020	0.002	47.138	0.000042427	0.999957573
PAN	0.029	0.027	0.002	47.140	0.000042427	1.0

TOTAL WT.	88.127	grams
CO3 WT	47.140	grams
% CARBONATE	53.491	

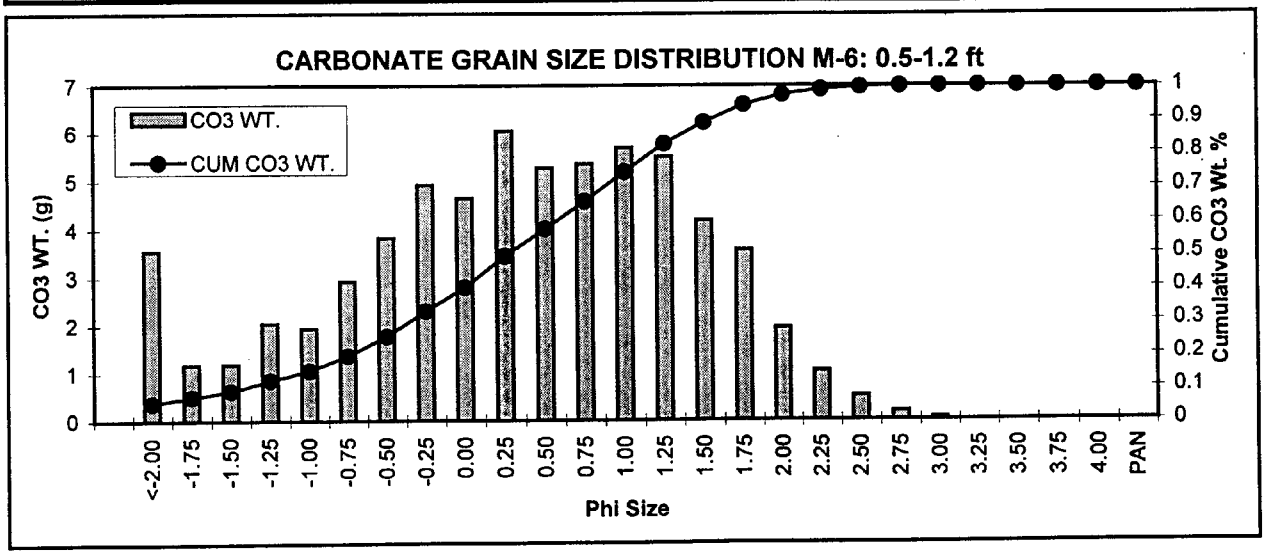


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-6 : 0.5-1.2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	3.553	0.000	3.553	3.553	0.054176451	0.054176451
-1.75	1.176	0.000	1.176	4.729	0.017931750	0.072108200
-1.50	1.199	0.000	1.199	5.928	0.018282456	0.090390656
-1.25	2.045	0.000	2.045	7.973	0.031182337	0.121572993
-1.00	1.940	0.000	1.940	9.913	0.029581288	0.151154280
-0.75	2.924	0.000	2.924	12.837	0.044585405	0.195739685
-0.50	3.927	0.098	3.829	16.666	0.058384923	0.254124607
-0.25	4.968	0.044	4.924	21.590	0.075081577	0.329206185
0.00	4.751	0.108	4.643	26.233	0.070796865	0.400003050
0.25	6.329	0.283	6.046	32.279	0.092189930	0.492192980
0.50	5.847	0.583	5.264	37.543	0.080265927	0.572458906
0.75	6.503	1.155	5.348	42.891	0.081546766	0.654005672
1.00	7.999	2.306	5.693	48.584	0.086807356	0.740813028
1.25	8.626	3.132	5.494	54.078	0.083772986	0.824586014
1.50	6.692	2.504	4.188	58.266	0.063858986	0.888445000
1.75	7.014	3.448	3.566	61.832	0.054374676	0.942819676
2.00	4.049	2.101	1.948	63.780	0.029703272	0.972522948
2.25	2.198	1.159	1.039	64.819	0.015842762	0.988365710
2.50	1.179	0.659	0.520	65.339	0.007929005	0.996294715
2.75	0.588	0.399	0.189	65.528	0.002881888	0.999176603
3.00	0.373	0.329	0.044	65.572	0.000670916	0.999847519
3.25	0.199	0.197	0.002	65.574	0.000030496	0.999878015
3.50	0.105	0.103	0.002	65.576	0.000030496	0.999908511
3.75	0.046	0.044	0.002	65.578	0.000030496	0.999939008
4.00	0.028	0.026	0.002	65.580	0.000030496	0.999969504
PAN	0.037	0.035	0.002	65.582	0.000030496	1.0

TOTAL WT.	84.295	grams
CO3 WT	65.582	grams
% CARBONATE	77.801	

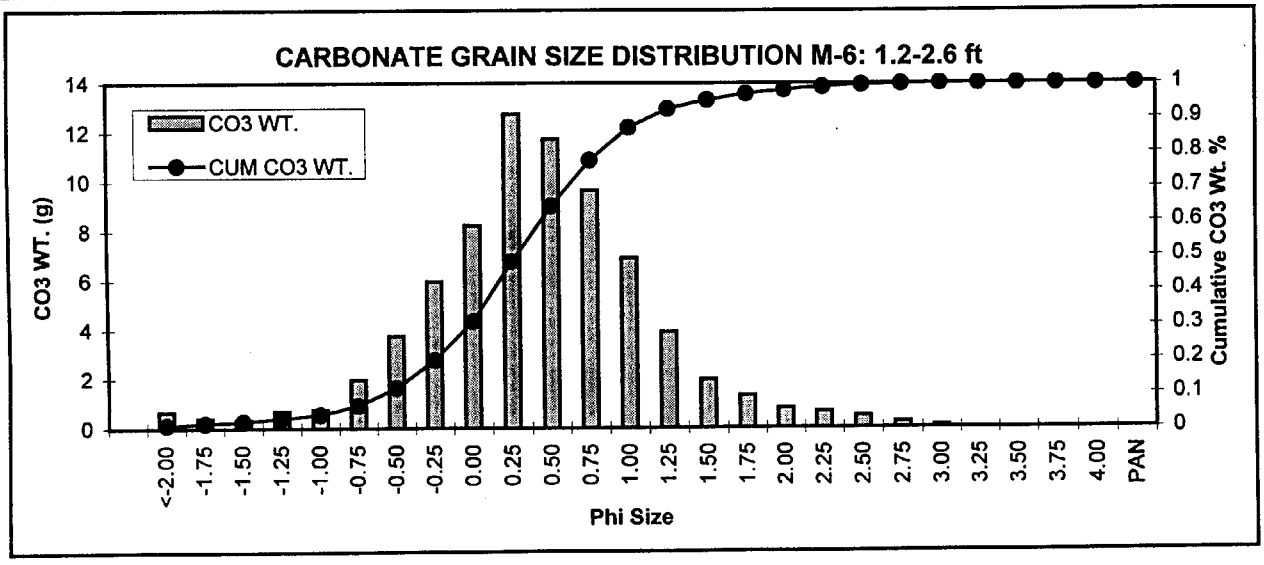


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-6 : 1.2-2.6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.669	0.000	0.669	0.669	0.009123266	0.009123266
-1.75	0.412	0.000	0.412	1.081	0.005618514	0.014741780
-1.50	0.334	0.000	0.334	1.415	0.004554815	0.019296595
-1.25	0.689	0.000	0.689	2.104	0.009396010	0.028692605
-1.00	0.749	0.000	0.749	2.853	0.010214240	0.038906844
-0.75	1.984	0.000	1.984	4.837	0.027056144	0.065962989
-0.50	3.738	0.000	3.738	8.575	0.050975739	0.116938728
-0.25	6.034	0.055	5.979	14.554	0.081536636	0.198475364
0.00	8.540	0.291	8.249	22.803	0.112493011	0.310968375
0.25	13.583	0.838	12.745	35.548	0.173805725	0.484774100
0.50	13.028	1.291	11.737	47.285	0.160059458	0.644833558
0.75	11.149	1.487	9.662	56.947	0.131762331	0.776595890
1.00	8.576	1.655	6.921	63.868	0.094382850	0.870978740
1.25	5.208	1.298	3.910	67.778	0.053321333	0.924300072
1.50	2.632	0.673	1.959	69.737	0.026715215	0.951015287
1.75	2.466	1.161	1.305	71.042	0.017796506	0.968811793
2.00	1.776	0.986	0.790	71.832	0.010773364	0.979585157
2.25	1.397	0.740	0.657	72.489	0.008959620	0.988544778
2.50	0.910	0.424	0.486	72.975	0.006627664	0.995172442
2.75	0.450	0.205	0.245	73.220	0.003341107	0.998513549
3.00	0.337	0.237	0.100	73.320	0.001363717	0.999877265
3.25	0.306	0.305	0.001	73.321	0.000013637	0.999890903
3.50	0.228	0.226	0.002	73.323	0.000027274	0.999918177
3.75	0.103	0.101	0.002	73.325	0.000027274	0.999945451
4.00	0.056	0.054	0.002	73.327	0.000027274	0.999972726
PAN	0.050	0.048	0.002	73.329	0.000027274	1.0

TOTAL WT.	85.404	grams
CO3 WT	73.329	grams
% CARBONATE	85.861	

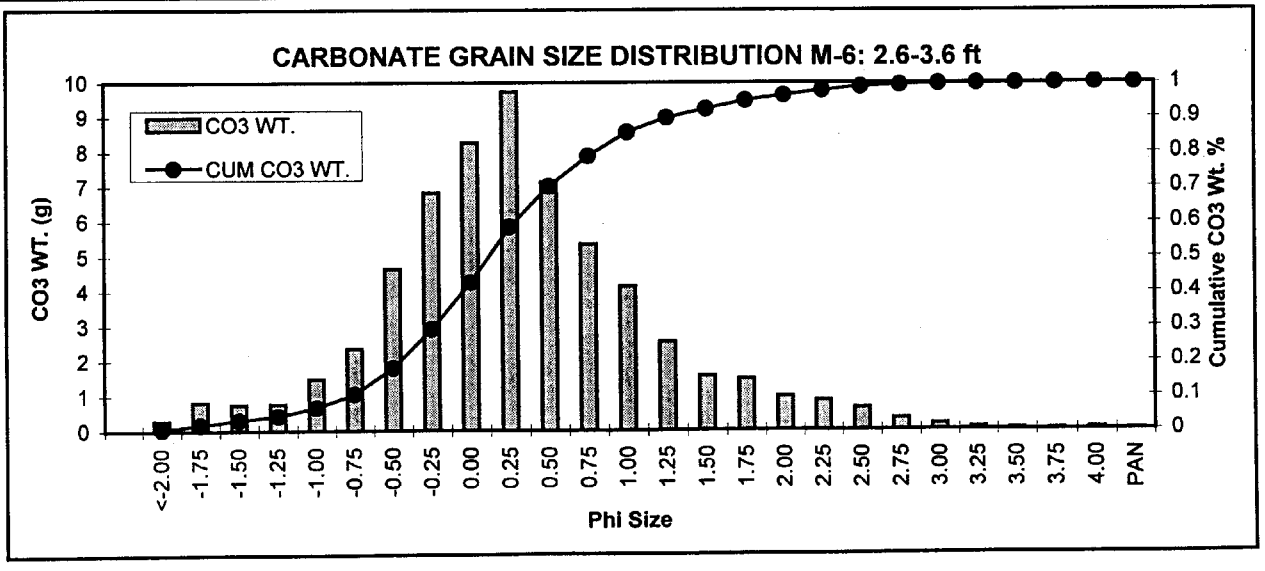


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-6 : 2.6-3.6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.277	0.000	0.277	0.277	0.004514415	0.004514415
-1.75	0.812	0.000	0.812	1.089	0.013233592	0.017748008
-1.50	0.755	0.000	0.755	1.844	0.012304633	0.030052641
-1.25	0.763	0.000	0.763	2.607	0.012435014	0.042487655
-1.00	1.491	0.000	1.491	4.098	0.024299614	0.066787268
-0.75	2.351	0.000	2.351	6.449	0.038315488	0.105102756
-0.50	4.650	0.000	4.650	11.099	0.075783504	0.180886260
-0.25	6.886	0.064	6.822	17.921	0.111181734	0.292067993
0.00	8.377	0.115	8.262	26.183	0.134650174	0.426718167
0.25	10.046	0.304	9.742	35.925	0.158770515	0.585488681
0.50	7.537	0.397	7.140	43.065	0.116364348	0.701853029
0.75	5.859	0.503	5.356	48.421	0.087289558	0.789142587
1.00	4.753	0.599	4.154	52.575	0.067699930	0.856842517
1.25	3.222	0.664	2.558	55.133	0.041689076	0.898531593
1.50	1.958	0.391	1.567	56.700	0.025538226	0.924069819
1.75	2.336	0.863	1.473	58.173	0.024006258	0.948076077
2.00	1.871	0.897	0.974	59.147	0.015873792	0.963949869
2.25	1.641	0.782	0.859	60.006	0.013999576	0.977949445
2.50	1.145	0.496	0.649	60.655	0.010577095	0.988526541
2.75	0.538	0.205	0.333	60.988	0.005427077	0.993953617
3.00	0.317	0.143	0.174	61.162	0.002835770	0.996789387
3.25	0.190	0.120	0.070	61.232	0.001140827	0.997930214
3.50	0.138	0.101	0.037	61.269	0.000603009	0.998533223
3.75	0.094	0.068	0.026	61.295	0.000423736	0.998956958
4.00	0.084	0.038	0.046	61.341	0.000749686	0.999706645
PAN	0.084	0.066	0.018	61.359	0.000293355	1.0

TOTAL WT.	68.175	grams
CO3 WT	61.359	grams
% CARBONATE	90.002	

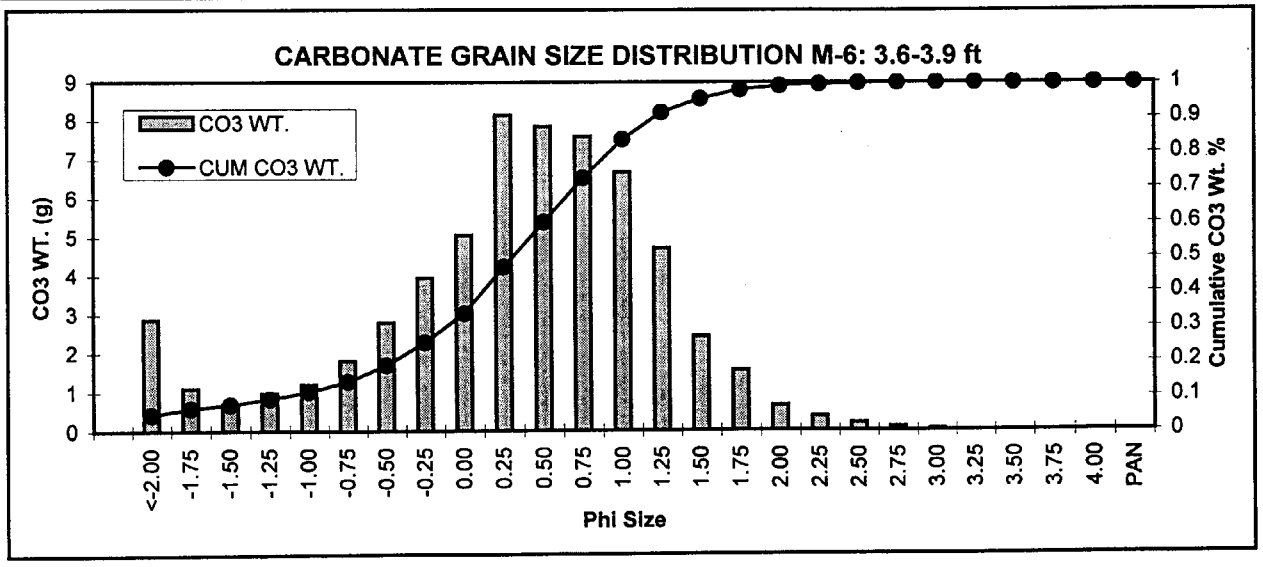


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-6 : 3.6-3.9 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.867	0.000	2.867	2.867	0.047170122	0.047170122
-1.75	1.093	0.000	1.093	3.960	0.017982889	0.065153011
-1.50	0.694	0.000	0.694	4.654	0.011418230	0.076571241
-1.25	0.970	0.000	0.970	5.624	0.015959197	0.092530438
-1.00	1.208	0.000	1.208	6.832	0.019874959	0.112405397
-0.75	1.812	0.000	1.812	8.644	0.029812438	0.142217835
-0.50	2.801	0.000	2.801	11.445	0.046084238	0.188302073
-0.25	4.086	0.122	3.964	15.409	0.065218822	0.253520895
0.00	5.223	0.155	5.068	20.477	0.083382692	0.336903587
0.25	8.671	0.530	8.141	28.618	0.133942086	0.470845673
0.50	8.793	0.948	7.845	36.463	0.129072063	0.599917736
0.75	9.248	1.654	7.594	44.057	0.124942415	0.724860151
1.00	9.122	2.456	6.666	50.723	0.109674235	0.834534386
1.25	7.123	2.400	4.723	55.446	0.077706482	0.912240869
1.50	4.013	1.573	2.440	57.886	0.040144784	0.952385653
1.75	2.890	1.332	1.558	59.444	0.025633432	0.978019085
2.00	1.308	0.664	0.644	60.088	0.010595591	0.988614676
2.25	0.684	0.320	0.364	60.452	0.005988812	0.994603488
2.50	0.330	0.141	0.189	60.641	0.003109576	0.997713064
2.75	0.155	0.072	0.083	60.724	0.001365581	0.999078644
3.00	0.115	0.078	0.037	60.761	0.000608753	0.999687397
3.25	0.082	0.080	0.002	60.763	0.000032906	0.999720303
3.50	0.077	0.075	0.002	60.765	0.000032906	0.999753208
3.75	0.065	0.063	0.002	60.767	0.000032906	0.999786114
4.00	0.042	0.031	0.011	60.778	0.000180981	0.999967094
PAN	0.053	0.051	0.002	60.780	0.000032906	1.0

TOTAL WT.	73.525	grams
CO3 WT	60.780	grams
% CARBONATE	82.666	

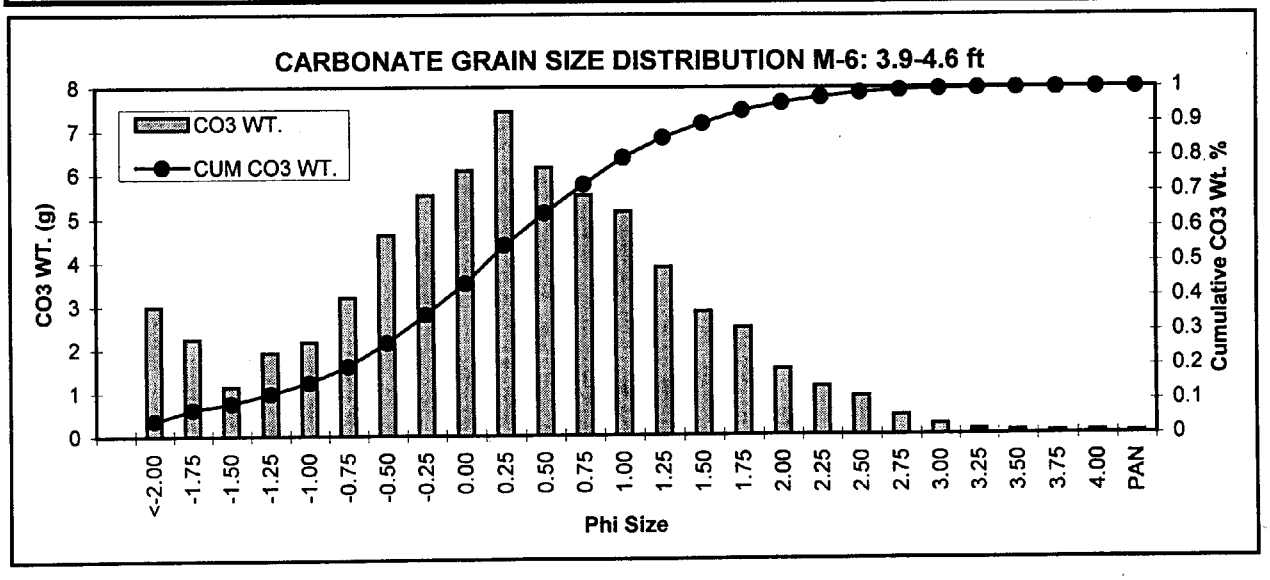


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-6 : 3.9-4.6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.989	0.000	2.989	2.989	0.043952651	0.043952651
-1.75	2.239	0.000	2.239	5.228	0.032924050	0.076876700
-1.50	1.140	0.000	1.140	6.368	0.016763473	0.093640174
-1.25	1.928	0.000	1.928	8.296	0.028350857	0.121991030
-1.00	2.178	0.000	2.178	10.474	0.032027057	0.154018087
-0.75	3.194	0.000	3.194	13.668	0.046967135	0.200985222
-0.50	4.637	0.000	4.637	18.305	0.068186163	0.269171384
-0.25	5.551	0.027	5.524	23.829	0.081229321	0.350400706
0.00	6.171	0.078	6.093	29.922	0.089596353	0.439997059
0.25	7.726	0.281	7.445	37.367	0.109477244	0.549474303
0.50	6.542	0.389	6.153	43.520	0.090478641	0.639952945
0.75	6.099	0.581	5.518	49.038	0.081141093	0.721094037
1.00	6.064	0.910	5.154	54.192	0.075788545	0.796882582
1.25	5.088	1.209	3.879	58.071	0.057039924	0.853922506
1.50	3.717	0.862	2.855	60.926	0.041982207	0.895904713
1.75	4.182	1.694	2.488	63.414	0.036585545	0.932490258
2.00	3.053	1.524	1.529	64.943	0.022483641	0.954973899
2.25	2.320	1.198	1.122	66.065	0.016498787	0.971472686
2.50	1.564	0.671	0.893	66.958	0.013131387	0.984604073
2.75	0.707	0.258	0.449	67.407	0.006602456	0.991206529
3.00	0.419	0.187	0.232	67.639	0.003411514	0.994618043
3.25	0.244	0.141	0.103	67.742	0.001514595	0.996132637
3.50	0.185	0.102	0.083	67.825	0.001220498	0.997353136
3.75	0.133	0.071	0.062	67.887	0.000911698	0.998264833
4.00	0.102	0.037	0.065	67.952	0.000955812	0.999220646
PAN	0.115	0.062	0.053	68.005	0.000779354	1.0

TOTAL WT.	78.287	grams
CO3 WT	68.005	grams
% CARBONATE	86.866	

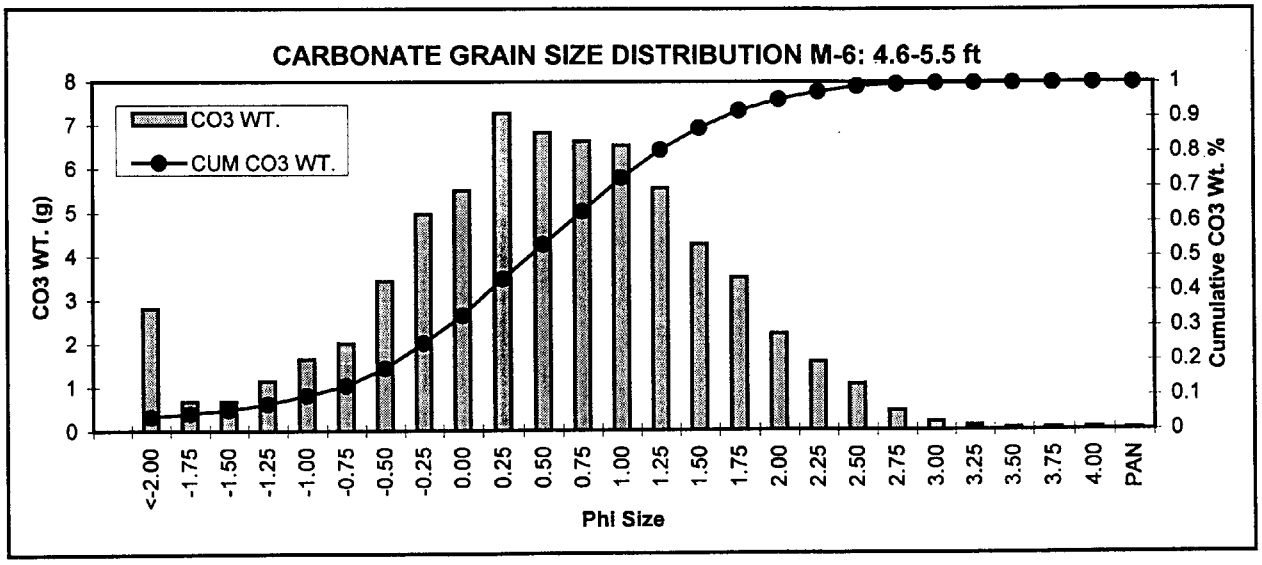


CARBONATE GRAIN SIZE DISTRIBUTION

CORE M-6 : 4.6-5.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.804	0.000	2.804	2.804	0.040537805	0.040537805
-1.75	0.670	0.000	0.670	3.474	0.009686280	0.050224086
-1.50	0.675	0.000	0.675	4.149	0.009758566	0.059982651
-1.25	1.142	0.000	1.142	5.291	0.016510048	0.076492699
-1.00	1.641	0.000	1.641	6.932	0.023724158	0.100216857
-0.75	1.999	0.000	1.999	8.931	0.028899812	0.129116669
-0.50	3.434	0.000	3.434	12.365	0.049645800	0.178762469
-0.25	5.001	0.039	4.962	17.327	0.071736302	0.250498771
0.00	5.591	0.090	5.501	22.828	0.079528697	0.330027469
0.25	7.532	0.273	7.259	30.087	0.104944340	0.434971809
0.50	7.259	0.430	6.829	36.916	0.098727772	0.533699581
0.75	7.348	0.723	6.625	43.541	0.095778517	0.629478097
1.00	7.795	1.263	6.532	50.073	0.094434003	0.723912101
1.25	7.310	1.756	5.554	55.627	0.080294926	0.804207026
1.50	6.128	1.850	4.278	59.905	0.061847622	0.866054648
1.75	6.304	2.788	3.516	63.421	0.050831285	0.916885933
2.00	4.573	2.356	2.217	65.638	0.032051467	0.948937401
2.25	3.261	1.692	1.569	67.207	0.022683244	0.971620645
2.50	1.905	0.847	1.058	68.265	0.015295648	0.986916293
2.75	0.724	0.277	0.447	68.712	0.006462339	0.993378632
3.00	0.373	0.178	0.195	68.907	0.002819141	0.996197774
3.25	0.238	0.136	0.102	69.009	0.001474628	0.997672401
3.50	0.154	0.113	0.041	69.050	0.000592743	0.998265144
3.75	0.123	0.076	0.047	69.097	0.000679485	0.998944629
4.00	0.094	0.043	0.051	69.148	0.000737314	0.999681943
PAN	0.103	0.081	0.022	69.170	0.000318057	1.0

TOTAL WT.	84.181	grams
CO3 WT	69.170	grams
% CARBONATE	82.168	



PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST	BORING ID: VB-1
INSTALLATION DATE:	DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40 / TOTAL DEPTH: 20 FT.	GEOLOGISTS: H. FREEDENBERG, Z. CHEN, A. DABOUS

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-1) MEDIUM TO VERY COARSE SAND LIGHT OLIVE GRAY TO MODERATE GRAY ANGULAR TO ROUNDED LOW SPHERICITY		SW	ACCESSORY MINERALS: 15% SHELL, 75% LIMESTONE, 10% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
2	(1-2) MEDIUM TO VERY COARSE SAND LIGHT OLIVE GRAY TO MODERATE GRAY ANGULAR TO ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 55% SHELL, 20% LIMESTONE, 15% HEAVY MINERALS, 10% QUARTZ FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
4	(2-3) MEDIUM TO VERY COARSE SAND LIGHT OLIVE GRAY TO MODERATE GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 15% HEAVY MINERALS, 60% QUARTZ, 10% LIMESTONE FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, BENTHIC FORAMINIFERA
6	(3-4) MEDIUM TO VERY COARSE SAND MODERATE LIGHT GRAY TO LIGHT OLIVE GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 40% QUARTZ, 15% LIMESTONE, 15% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, CORAL, BENTHIC FORAMINIFERA
	(4-5) MEDIUM TO VERY COARSE SAND MODEDRATE GRAY TO MODERATE LIGHT GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 35% SHELL, 35% LIMESTONE, 10% HEAVY MINERALS, 20% QUARTZ FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA
8	(5-6) MEDIUM TO VERY COARSE SAND LIGHT OLIVE GRAY TO MODERATE LIGHT GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 10% SHELL, 35% LIMESTONE, 25% HEAVY MINERALS, 30% QUARTZ FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, SHARKS TEETH, BRYOZOA, BENTHIC FORAMINIFERA
10	(6-7) MEDIUM TO VERY COARSE SAND MODERATE GRAY TO LIGHT OLIVE GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 30% SHELL, 40% LIMESTONE, 105 HEAVY MINERALS, 20% QUARTZ FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, BENTHIC FORAMINIFERA
12	(7-8) MEDIUM TO VERY COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 10% SHELL, 30% LIMESTONE, 50% QUARTZ, 10% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, SHARKS TEETH, BRYOZOA, BENTHIC FORAMINIFERA
	(8-10) MEDIUM TO VERY COARSE SAND YELLOWISH GRAY TO GREENISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 50% SHELL, 35% LIMESTONE, 5% QUARTZ, 10% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, BENTHIC FORAMINIFERA
14	(10-12) MEDIUM TO VERY COARSE SAND LIGHT OLIVE GRAY TO GREENISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 55% LIMESTONE, 15% QUARTZ, 5% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA
16	(12-14) MEDIUM TO VERY COARSE SAND LIGHT OLIVE GRAY TO YELLOWISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 25% QUARTZ, 45% LIMESTONE, 15% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA
18	(14-16) MEDIUM TO VERY COARSE SAND LIGHT OLIVE GRAY TO GREENISH GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 10% SHELL, 65% QUARTZ, 15% LIMESTONE, 10% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
	(16-17) MEDIUM TO VERY COARSE SAND MODERATE DARK GRAY TO LIGHT OLIVE GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 50% SHELL, 30% LIMESTONE, 10% HEAVY MINERALS, 10% QUARTZ FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, BENTHIC FORAMINIFERA, CORAL

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VB-2
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 20 FT.	GEOLOGISTS: H. FREEDENBERG, M. LACHANCE, A. DABOUS

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-2) MEDIUM TO COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY		SW	ACCESSORY MINERALS: 40% SHELL, 2% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSIL FRAGMENTS 19.9% FINES
2				
	(2-4) FINE TO COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 30% SHELL, 3% HEAVY MINERALS, 3% GYPSUM FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID, BENTHIC FORAMINIFERA 9.8% FINES
4				
	(4-6) FINE TO COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 30% SHELL, 3% HEAVY MINERALS, 5% LIMESTONE FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID, BENTHIC FORAMINIFERA 8.2% FINES
6				
	(6-8) MEDIUM TO COARSE SAND MODERATE LIGHT GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 30% SHELL, 2% GYPSUM FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOID, BENTHIC FORAMINIFERA 7% FINES
8				
	(8-10) MEDIUM TO VERY COARSE SAND MODERATE GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 45% SHELL FOSSILS; MOLLUSKS, FOSSIL FRAGMENTS, ECHINOIDS, BENTHIC FORAMINIFERA, CORAL 14.1% FINES
10				
	(10-12) FINE TO VERY COARSE SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 60% SHELL, 3% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS CORAL 24.5% FINES
12				
	(12-14) MEDIUM TO VERY COARSE SAND WHITE TO LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS 56.4% FINES
14				
	(14-16) FINE TO MEDIUM SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSILL FRAGMENTS 53.7% FINES
16				
	(16-18) FINE TO COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR MEDIUM SPHERICITY			ACCESSORY MINEERALS: 10% SHELL, 40% LIMESTONE FOSSILS: FOSSIL FRAGMENTS, CORAL, BENTHIC FORAMINIFERA 21.3% FINES
18				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VB-3
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 20 FT.	GEOLOGISTS: H. FREEDENBERG, M. LACHANCE, A. DABOUS

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
2	(0-2) FINE TO VERY COARSE SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY		SW	ACCESSORY MINERALS; 45% SHELL FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA 1.1% FINES
4	(2-4) FINE TO VERY COARSE SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 35% SHELL FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS 1.3% FINES
6	(4-6) FINE TO COARSE SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 35% SHELL FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS 5.9% FINES
8	(6-8) FINE TO COARSE SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 40% SHELL, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS 7.3% FINES
10	(8-10) FINE TO COARSE SAND LIGHT OLIVE GRAY TO LOIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 40% SHELL, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA 17.4% FINES
12	(10-12) FINE TO COARSE SAND LIGHT OLIVE GRAY TO MODERATE GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 40% SHELL, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, CORAL 8.9% FINES
14	(12-14) FINE TO COARSE SAND LIGHT OLIVE GRAY TO MODERATE LIGHT GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 70% SHELL, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, CORAL 2.3% FINES
16	(14-16) FINE TO COARSE SAND LIGHT OLIVE GRAY TO MODERATE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 45% SHELL FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, CORAL 2.6% FINES
18	(16-18) FINE TO COARSE SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 30% SHELL FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, CORAL, BENTHIC FORAMINIFERA, BRYOZOA, MILIOLIDS 31.3%
	(18-20) FINE TO COARSE SAND LIGHT OLIVE GRAY TO MODERATE LIGHT GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 30% SHELL FOSSILS: BENTHIC FORAMINIFERA, CORAL, MILIOLIDS, MOLLUSKS, ECHINOIDS 3.9% FINES

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VB-4
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 20 FT.	GEOLOGISTS: H. FREEDENBERG, M. LACHANCE, A. DABOUS

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-2) MEDIUM TO COARSE SAND LIGHT OLIVE GRAY TO MODERATE DARK GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY		SW	ACCESSORY MINERALS: 25% SHELL, 1% MICA, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, CORAL 1.2% FINES
2				
	(2-4) FINE TO COARSE SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 85% SHELL,1% MICA FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOIDS, BENTHIC FORAMINIFERA, BRYOZOA 4.7% FINES
4				
	(4-6) VERY FINE TO MEDIUM SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 2% MICA 25% LIMESTONE, 2% HEAVY MINERALS FOSSILS: BENTHIC FORAMINIFERA, ECHINOIDS, MOLLUSKS, FOSSIL FRAGMENTS, CORAL, MILIOLIDS 44.1% FINES
6				
	(6-8) FINE TO MEDIUM SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 20% LIMESTONE, 2% HEAVY MINERALS FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS, FOSSIL FRAGMENTS, CORAL, ECHINOIDS BRYOZOANS 47.9% FINES
8				
	(8-10) FINE TO MEDIUM SAND WHITE TO YELLOWISH GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 3% SHELL, 3% PYRITE 3% HEAVY MINERALS, 3% LIMESTONE FOSSILS: FOSIL FRAGMENTS 51.3% FINES
10				
	(10-12) VERY FINE TO MEDIUM SAND WHITE TO LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 55% LIMESTONE, 5% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA 17.2% FINES
12				
	(12-14) VERY FINE TO MEDIUM SAND WHITE TO LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR MEDIUM SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 50% LIMESTONE, 5%HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA 85.2% FINES
14				
	(14-16) VERY FINE TO COARSE SAND LIGHT OLIVE GRAY TO MODERATE LIGHT GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL, 30% LIMESTONE, 3% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, ECHINOIDS 23.3% FINES
16				
	(16-18) VERY FINE TO COARSE SAND ANGULAR TO SUB-ROUNDED LOW SPHERICITY			30.5% FINES
18				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VB-5
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 20 FT.	GEOLOGISTS: H. FREEDENBERG, M. LACHANCE, A. DABOUS

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-2) VERY FINE TO MEDIUM SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY		SW	ACCESSORY MINERALS: 15% SHELL, 2% MICA, 10% LIMESTONE, 4% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, ECHINOIDS 66.3% FINES
2				
	(2-4) VERY FINE TO MEDIUM SAND LIGHT OLIVE GRAY TO MODERATE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 3% MICA, 15% LIMESTONE, 4% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS , BENTHIC FORAMINIFERA, ECHINOIDS, BRYOZOA 6% FINES
4				
	(4-6) VERY FINE TO FINE SAND WHITE TO LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 55 SHELL, 30% LIMESTONE, 4% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS 51.4% FINES
6				
	(6-8) VERY FINE TO FINE SAND WHITE TO YELLOWISH GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 5% SHEL, 50% LIMESTONE, 4% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MOLLUSKS 38.4% FINES
8				
	(8-10) VERY FINE TO FINE SAND WHITE TO LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 10% SHELL, 50% LIMESTONE, 3% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, BRYOZOA 21.3% FINES
10				
	(10-12) FINE TO COARSE SAND WHITE TO LIGHT OLIVE GRAY ANGULAR TO ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 35% SHELL, 2% MICA, 30% LIMESTONE, 2% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, CORAL, MILIOLIDS, BENTHIC FORAMINIFERA 22.5% FINES
12				
	(12-14) FINE TO VERY COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 60% SHELL, 2% MICA, 20% LIMESTONE, 2% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, CORAL 14.3% FINES
14				
	(14-16) FINE TO COARSE SAND YELLOWISH GRAY TO MODERATE LIGHT GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL, 3% MICA, 5% LIMESTONE, 3% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, ECHINOIDS, MILIOLIDS, BRYOZOA 16.4% FINES
16				
	(16-17.3) FINE TO COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 3% MICA, 3% LIMESTONE, 3% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MILIOLIDS, ECHINOIDS, BRYOZOA 24.5% FINES
18				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST	BORING ID: VB-6
INSTALLATION DATE:	DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40 / TOTAL DEPTH: 20 FT.	GEOLOGISTS: H. FREEDENBERG, M. LACHANCE, A. DABOUS

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-2) FINE TO VERY COARSE SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY		SW	ACCESSORY MINERALS: 15% SHELL, 2% MICA, 10% CARBONATE SAND, 2% HEAVY MINERALS, FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, ECHINOIDS, MILIOLIDS, BRYOZOA 23.7% FINES
2				
	(2-4) FINE TO COARSE SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 2% MICA, 20% CARBONATE SAND, 3% HEAVY MINERALS, 1% GYPSUM FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MILIOLIDS 26.3% FINES
4				
	(4-6) VERY FINE TO COARSE SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 10% SHELL, 1% MICA, 25% CARBONATE SAND, 2% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MILIOLIDS, BRYOZOA 36.7% FINES
6				
	(6-8) FINE TO COARSE SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 10% SHELL, 5% MICA, 35% CARBONATE SAND, 5% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, BRYOZOA, CORAL, MILIOLIDS, ECHINOIDS 35.8% FINES
8				
	(8-10) VERY FINE TO VERY COARSE SAND WHITE TO YELLOWISH GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 10% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, CORAL
10				
	(10-12) VERY FINE TO COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 5% SHELL, 30% CARBONATE SAND, 8% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS 51.1% FINES
12				
	(12-14) VERY FINE TO VERY COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 30% SHELL, 30% CARBONATE SAND, 4% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, CORAL 27.2% FINES
14				
	(14-16) VERY FINE TO VERY COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL, 1% MICA, 20% CARBONATE SAND, 2% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, ECHINOIDS, BENTHIC FORAMINIFERA CORAL 18.2% FINES
16				
18				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VB-7/1
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 20 FT.	GEOLOGISTS: H. FREEDENBERG, M. LACHANCE, A. DABOUS

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-2) FINE TO VERY COARSE SAND LIGHT OLIVE GRAY TO MODERATE DARK GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY		SW	ACCESSORY MINERALS: 90 % SHELL, 1% MICA, 3% CARBONATE SAND FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, MILIOLIDS, BENTHIC FORAMINIFERA 17.7% FINES
2				
	(2-4) FINE TO COARSE SAND LIGHT OLIVE GRAY TO OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 40% SHELL, 1% MICA, 10% CARBONATE SAND, 2% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, ECHINOIDS, CORAL, BRYOZOA, MILIOLIDS, BENTHIC FORAMINIFERA 14.7% FINES
4				
	(4-6) FINE TO COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 65% CARBONATE SANDS, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, MILIOLIDS, BENTHIC FORAMINIFERA 26.1% FINES
6				
	(6-8) FINE TO VERY COARSE SAND WHITE TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 1% MICA, 60% CARBONATE SAND, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, MILIOLIDS, BENTHIC FORAMINIFERA 15.7% FINES
8				
10				
12				
14				
16				
18				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST	BORING ID: VB-7/2
INSTALLATION DATE:	DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40 / TOTAL DEPTH: 20 FT.	GEOLOGISTS: H. FREEDENBERG, M. LACHANCE, A. DABOUS

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-2) VERY FINE TO COARSE SAND LIGHT OLIVE GRAY TO MODERATE DARK GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY		SW	ACCESSORY MINERALS: 20% SHELL, 1% MICA, 50% CARBONATE SAND, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, MILIOLIDS, CORAL, BENTHIC FORAMINIFERA 14.1% FINES
2				
	(2-4) FINE TO VERY COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY		ACCESSORY MINERALS: 15% SHELL, 50% CARBONATE SAND, 2% HEAVY MINEERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, CORAL, MILIODS, BENTHIC FORAMINIFEERA 26.3% FINES
4				
	(4-6) FINE TO VERY COARSE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY		ACCESSORY MINEERALS: 20% SHELL, 50% CARBONATE SAND, 2% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, MILIOLIDS, BENTHIC FORAMINIFERA 15.9% FINES
6				
	(6-8) VERY FINE TO COARSE SAND WHITE TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 50% CARBONATE SAND, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA 17.0% FINES
8				
	(8-10) FINE TO COARSE SAND WHITE TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 45% CARBONATE SAND, 2% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MILIOLIDS 8.1% FINES
10				
	(10-12) FINE TO COARSE SAND WHITE TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 25% SHELL, 35% CARBONATE SAND, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, MILIOLIDS, BENTHIC FORAMINIFERA 9.1% FINES
12				
	(12-14) MEDIUM TO VERY COARSE SAND WHITE TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 40% SHELL, 40% CARBONATE SHELL, 2% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS 7.9% FINES
14				
16				
18				

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST	BORING ID: VB-8
INSTALLATION DATE:	DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40 / TOTAL DEPTH: 20 FT.	GEOLOGISTS: H. FREEDENBERG, M. LACHANCE, A. DABOUS

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH.	USCS SYMBOL	CLASS	COMMENTS
	(0-2) FINE TO VERY COARSE SAND LIGHT OLIVE GRAY TO MODERATE DARK GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY		SW		ACCESSORY MINERALS: 50% SHELL, 15% CARBONATE SAND, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MILIOLIDS, CORAL, ECHINOIDS, BRYOZOA 15.4% FINES
2					
	(2-4) FINE TO VERY COARSE SAND LIGHT OLIVE GRAY TO MODERATE DARK GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 40% SHELL, 1% MICA, 12% CARBONATE SAND, 2% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MILIOLIDS, ECHINOIDS 9.1% FINES
4					
	(4-6) FINE TO VERY COARSE SAND LIGHT OLIVE GRAY TO MODERATE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL, 7% CARBONATE SAND, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, ECHINOIDS, CORAL, MILIOLIDS, BENTHIC FORAMINIFERA 34.8% FINES
6					
	(6-8) FINE TO VERY COARSE SAND YELLOWISH GRAY TO LIGHT GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 45% SHELL, 4% CARBONATE SHELL, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, CORAL, MILIOLIDS, BENTHIC FORAMINIFERA 25.6% FINES
8					
	(8-10) FINE TO VERY COARSE SAND YELLOWISH GRAY TO LIGHT GRAY ANGULAR TO ROUNDED LOW SPHERICITY			ACCESSORY MINEERALS: 50% SHELL, 15% CARBONATE SAND, 1% HEAVY MINERALS FOSSILS: MOLUSKS, FOSSIL FRAGMENTS, BRYOZOA, CORAL, MILIOLIDS 16.3% FINES
10					
	(10-12) MEDIUM TO VERY COARSE SAND YELLOWISH GRAY TO MODERATE LIGHT GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL, 15% CARBONATE SAND, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, CORAL 26.4% FINES
12					
	(12-14) MEDIUM TO VERY COARSE SAND YELLOWISH GRAY TO MODERATE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL, 10% CARBONATE SHELL, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, CORAL 83.7% FINES
14					
	(14-16) FINE TO VERY COARSE SAND LIGHT OLIVE GRAY TO MODERATE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 60% SHELL, 7% CARBONATE SAND, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, MILIOLIDS, ECHINOIDS, BENTHIC FORAMINIFERA 21.6% FINES
16					
	(16-18) MEDIUM TO VERY COARSE SAND YELLOWISH GRAY TO MODERATE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL, 10% CARBONATE SAND, 2% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, CORAL 17.1% FINES
18					
	(18-20) MEDIUM TO COARSE SAND YELLOWISH GRAY TO MODERATE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL, 15% CARBONATE SAND, 2% HEAVY MINERALS FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, CORAL, BENTHIC FORAMINIFERA 47.6% FINES

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VB-9
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 20 FT.	GEOLOGISTS: H. FREEDENBERG, M. LACHANCE, A. DABOUS

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-2) FINE TO MEDIUM SAND MODERATE LIGHT GRAY TO MODERATE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY		SW	ACCESSORY MINERALS: 1% HEAVY MINERALS, 30% SHELL, 1% IRON STAIN FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 4.7% FINES
2				
	(2-4) FINE TO MEDIUM SAND LIGHT GRAY TO MODERATE LIGHT GRAY SUB-ROUNDED TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 2% HEAVY MINERALS, 10% SHELL, 2% IRON STAIN FOSSILS: FOSSIL FRAGMENTS 5.6% FINES
4				
	(4-6) FINE TO MEDIUM SAND VERY LIGHT GRAY TO LIGHT GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 2% HEAVY MINERALS, 40% SHELL, 1% IRON STAIN FOSSILS: FOSSIL FRAGMENTS 3.3% FINES
6				
	(6-8) MEDIUM TO COARSE SAND VERY LIGHT GRAY TO LIGHT GRAY SUB-ROUNDED TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 1% HEAVY MINERALS, 30% SHELL, 1% IRON STAIN FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 4.4% FINES
8				
	(8-10) FINE TO MEDIUM SAND MODERATE LIGHT GRAY TO MODERATE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 2% HEAVY MINERALS, 25% SHELL, 2% IRON STAIN FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 15.3% FINES
10				
	(10-12) MEDIUM TO COARSE SAND VERY LIGHT GRAY TO MODERATE LIGHT GRAY SUB-ROUNDED TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 1% HEAVY MINERALS, 40% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 5.4% FINES
12				
	(12-14) FINE TO MEDIUM SAND VERY LIGHT GRAY TO MODERATE LIGHT GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 3% HEAVY MINERALS, 70% SHELL FOSSILS: FOSSIL FRAGMETS, ECHINOIDS 13.9% FINES
14				
	(14-16) FINE TO MEDIUM SAND LIGHT GRAY TO GREENISH GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 2% HEAVY MINERALS, 20% SHELL FOSSILS: FOSSIL FRAGMENTS, ECHINOIDS, MOLLUSKS 9.9% FINES
16				
	(16-18) FINE TO MEDIUM SAND LIGHT GRAY TO GREENISH GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 2% HEAVY MINERALS, 20% SHELL FOSSILS, FOSSIL FRAGMENTS, ECHINOIDS, MOLLUSKS 11.5% FINES
18				
	(18-20) FINE TO MEDIUM SAND MODERATE LIGHT GRAY TO MODERATE GRAY SUB-ROUNDED TO ROUND MEDIUM SPHERICITY			ACCESSORY MINERALS: 3% HEAVY MINERALS, 50% SHELL FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS 6.5% FINES

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VB-10
INSTALLATION DATE:		DRILLING METHOD: 2" PUSH CORE
CORE DIAMETER: 2" PVC SCHEDULE 40	TOTAL DEPTH: 20 FT.	GEOLOGISTS: H. FREEDENBERG, Z. CHEN, A. DABOUS

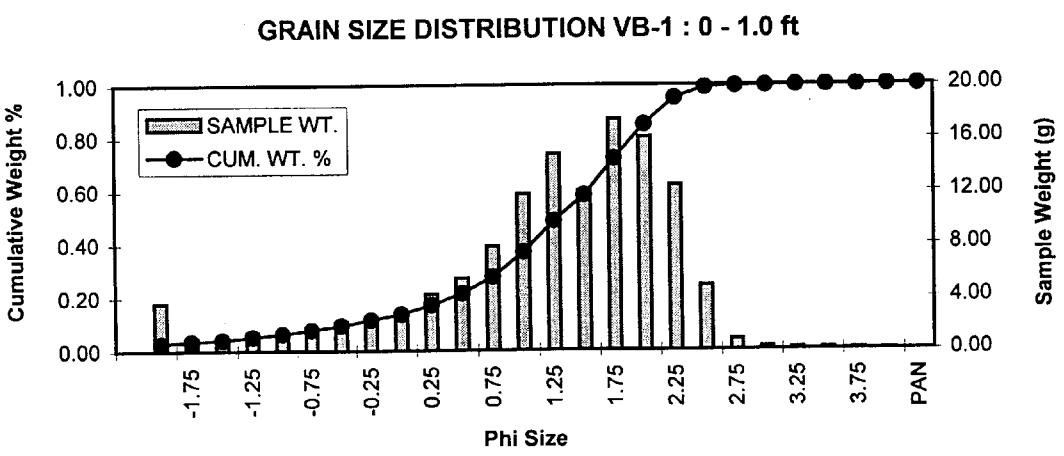
DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
	(0-2) MEDIUM TO VERY COARSE SAND LIGHT OLIVE GRAY TO MODERATE GRAY ANGULAR TO ROUNDED LOW SPHERICITY		SW	ACCESSORY MINERALS: 10% SHELL, 30% LIMESTONE, 1% HEAVY MINERALS, 1% MICA FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, MILIOLIDS, BENTHIC FORAMINIFERA
2				
	(2-4) MEDIUM TO VERY COARSE SAND LIGHT OLIVE GRAY TO MODERATE GRAY ANGULAR TO ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 35% LIMESTONE, 1% MICA FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, CORAL, MILIOLIDS, BRYOZOA
4				
	(4-6) FINE TO VERY COARSE SAND LIGHT OLIVE GRAY TO MODERATE DARK GRAY ANGULAR TO ROUNDED MEDIUM SPHERICITY			ACCESSORY MINERALS: 15% SHELL, 40% LIMESTONE, 5% MICA FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, MILIOLIDS
6				
	(6-8) FINE TO VERY COARSE SAND WHITE TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 10% SHELL, 85% LIMESTONE, 1% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MILIOLIDS, MOLLUSKS
8				
	(8-10) FINE TO VERY COARSE SAND ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 70% SHELL, 25% LIMESTONE, 1% MICA FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA, MILIOLIDS
10				
	(10-12) MEDIUM TO VERY COARSE SAND MODERATE LIGHT GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 50% SHELL, 30% LIMESTONE, 15% HEAVY MINERALS, 5% QUARTZ FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BRYOZOA, BENTHIC FORAMINIFERA
12				
	(12-14) MEDIUM TO VERY COARSE SAND LIGHT BLUISH GRAY TO MODERATE LIGHT GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 60% SHELL, 20% LIMESTONE, 10% QUARTZ, 10% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BENTHIC FORAMINIFERA
14				
	(14-16) MEDIUM TO VERY COARSE SAND MODERATE LIGHT GRAY TO LIGHT OLIVE GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 80% SHELL, 10% LIMESTONE, 5% QUARTZ, 5% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BENTHIC FORAMINIFERA
16				
	(16-18) MEDIUM TO VERY COARSE SAND MODERATE DARK GRAY TO MODERATE BLUISH GRAY ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 70% SHELL, 15% LIMESTONE, 10% QUARTZ, 5% HEAVY MINERALS FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, BENTHIC FORAMINIFERA, SHARKS TEETH
18				
	(18-20) MEDIUM TO VERY COARSE SAND MODERATE LIGHT GRAY TO YELLOWISH GRAY SUB-ANGULAR TO SUB-ROUNDED LOW SPHERICITY			ACCESSORY MINERALS: 20% SHELL, 65% QUARTZ, 5% HEAVY MINERALS, 10% LIMESTONE FOSSILS: FOSSIL FRAGMENTS, MOLLUSKS, SHARKS TEETH, BRYOZOA, BENTHIC FORAMINIFERA

GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 0 - 1.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	3.610	3.610	0.028696572	0.028696572
-1.75	0.945	4.555	0.007511983	0.036208555
-1.50	0.831	5.386	0.006605776	0.042814331
-1.25	1.367	6.753	0.010866541	0.053680872
-1.00	1.342	8.095	0.010667811	0.064348683
-0.75	1.743	9.838	0.013855436	0.078204119
-0.50	2.208	12.046	0.017551809	0.095755928
-0.25	2.529	14.575	0.020103498	0.115859427
0.00	2.744	17.319	0.021812574	0.137672001
0.25	4.292	21.611	0.034117918	0.171789919
0.50	5.471	27.082	0.043490012	0.215279931
0.75	7.855	34.937	0.062440878	0.277720809
1.00	11.799	46.736	0.093792478	0.371513287
1.25	14.789	61.525	0.117560553	0.489073840
1.50	12.045	73.570	0.095747979	0.584821819
1.75	17.427	90.997	0.138530513	0.723352332
2.00	16.086	107.083	0.127870651	0.851222983
2.25	12.425	119.508	0.098768671	0.949991653
2.50	4.861	124.369	0.038641007	0.988632660
2.75	0.782	125.151	0.006216266	0.994848926
3.00	0.251	125.402	0.001995246	0.996844172
3.25	0.127	125.529	0.001009547	0.997853719
3.50	0.101	125.630	0.000802868	0.998656587
3.75	0.062	125.692	0.000492850	0.999149437
4.00	0.052	125.744	0.000413358	0.999562795
PAN	0.055	125.799	0.000437205	1.0

TOTAL WT.	125.799	grams	
MEDIAN WT.	62.900	grams	
MEAN GRAIN SIZE	1.28	phi	0.4118 mm

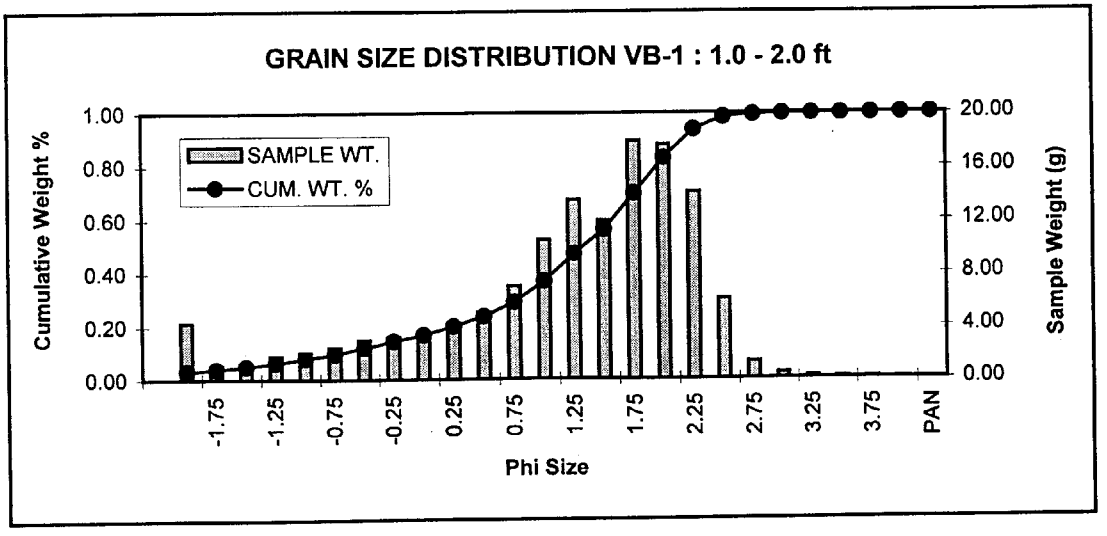


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 1.0 - 2.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	4.275	4.275	0.032339080	0.032339080
-1.75	1.066	5.341	0.008063967	0.040403047
-1.50	1.245	6.586	0.009418048	0.049821095
-1.25	1.800	8.386	0.013616455	0.063437550
-1.00	2.013	10.399	0.015227735	0.078665285
-0.75	2.410	12.809	0.018230920	0.096896205
-0.50	2.965	15.774	0.022429327	0.119325532
-0.25	3.223	18.997	0.024381019	0.143706550
0.00	3.143	22.140	0.023775843	0.167482393
0.25	4.268	26.408	0.032286127	0.199768520
0.50	5.068	31.476	0.038337885	0.238106405
0.75	7.005	38.481	0.052990703	0.291097108
1.00	10.508	48.989	0.079489837	0.370586945
1.25	13.499	62.488	0.102115846	0.472702791
1.50	11.952	74.440	0.090413259	0.563116050
1.75	17.866	92.306	0.135150878	0.698266928
2.00	17.575	109.881	0.132949551	0.831216479
2.25	14.051	123.932	0.106291559	0.937508037
2.50	6.054	129.986	0.045796676	0.983304714
2.75	1.259	131.245	0.009523954	0.992828667
3.00	0.396	131.641	0.002995620	0.995824287
3.25	0.179	131.820	0.001354081	0.997178368
3.50	0.133	131.953	0.001006105	0.998184473
3.75	0.102	132.055	0.000771599	0.998956072
4.00	0.071	132.126	0.000537093	0.999493165
PAN	0.067	132.193	0.000506835	1.0

TOTAL WT.	132.193	grams	
MEDIAN WT.	66.097	grams	
MEAN GRAIN SIZE	1.33	phi	0.3978 mm

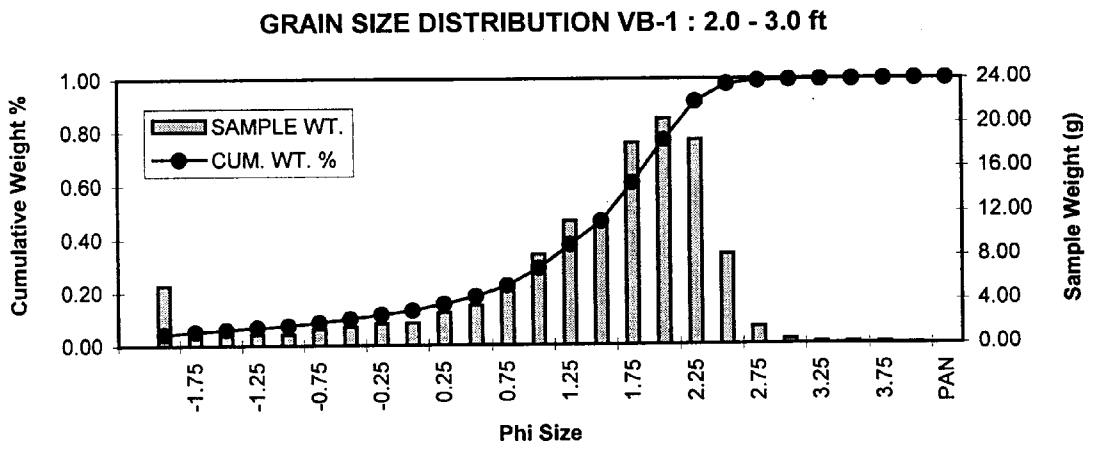


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 2.0 - 3.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	5.407	5.407	0.042629517	0.042629517
-1.75	1.168	6.575	0.009208669	0.051838186
-1.50	0.987	7.562	0.007781641	0.059619827
-1.25	0.995	8.557	0.007844714	0.067464541
-1.00	1.023	9.580	0.008065470	0.075530011
-0.75	1.487	11.067	0.011723708	0.087253719
-0.50	1.694	12.761	0.013355724	0.100609444
-0.25	1.964	14.725	0.015484441	0.116093884
0.00	2.037	16.762	0.016059982	0.132153867
0.25	2.949	19.711	0.023250313	0.155404180
0.50	3.597	23.308	0.028359233	0.183763413
0.75	5.101	28.409	0.040216971	0.223980384
1.00	8.194	36.603	0.064602600	0.288582984
1.25	11.213	47.816	0.088404803	0.376987787
1.50	11.113	58.929	0.087616390	0.464604177
1.75	18.180	77.109	0.143333570	0.607937747
2.00	20.409	97.518	0.160907306	0.768845053
2.25	18.465	115.983	0.145580548	0.914425601
2.50	8.217	124.200	0.064783935	0.979209537
2.75	1.604	125.804	0.012646152	0.991855689
3.00	0.425	126.229	0.003350757	0.995206446
3.25	0.185	126.414	0.001458565	0.996665011
3.50	0.173	126.587	0.001363955	0.998028966
3.75	0.133	126.720	0.001048590	0.999077556
4.00	0.068	126.788	0.000536121	0.999613677
PAN	0.049	126.837	0.000386323	1.0

TOTAL WT.	126.837	grams	
MEDIAN WT.	63.419	grams	
MEAN GRAIN SIZE	1.56	phi	0.3392 mm

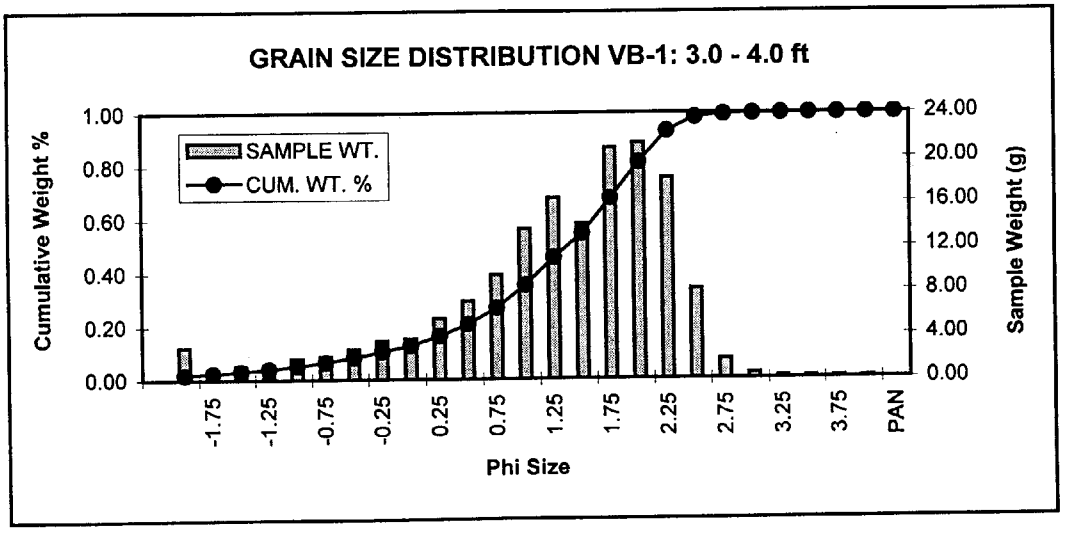


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 3.0 - 4.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.913	2.913	0.018495062	0.018495062
-1.75	0.826	3.739	0.005244394	0.023739456
-1.50	1.227	4.966	0.007790402	0.031529858
-1.25	1.371	6.337	0.008704679	0.040234537
-1.00	1.904	8.241	0.012088774	0.052323311
-0.75	2.100	10.341	0.013333206	0.065656518
-0.50	2.765	13.106	0.017555388	0.083211906
-0.25	3.486	16.592	0.022133123	0.105345028
0.00	3.689	20.281	0.023421999	0.128767028
0.25	5.481	25.762	0.034799669	0.163566696
0.50	7.070	32.832	0.044888461	0.208455158
0.75	9.470	42.302	0.060126411	0.268581569
1.00	13.591	55.893	0.086291242	0.354872811
1.25	16.351	72.244	0.103814884	0.458687695
1.50	14.008	86.252	0.088938836	0.547626531
1.75	20.849	107.101	0.132373342	0.679999873
2.00	21.338	128.439	0.135478075	0.815477948
2.25	18.145	146.584	0.115205252	0.930683200
2.50	8.169	154.753	0.051866173	0.982549373
2.75	1.741	156.494	0.011053863	0.993603236
3.00	0.450	156.944	0.002857116	0.996460351
3.25	0.172	157.116	0.001088879	0.997549230
3.50	0.132	157.248	0.000838087	0.998387317
3.75	0.114	157.362	0.000723803	0.999111120
4.00	0.081	157.443	0.000514281	0.999625400
PAN	0.059	157.502	0.000374600	1.0

TOTAL WT.	157.502	grams	
MEDIAN WT.	78.751	grams	
MEAN GRAIN SIZE	1.37	phi	0.3869 mm

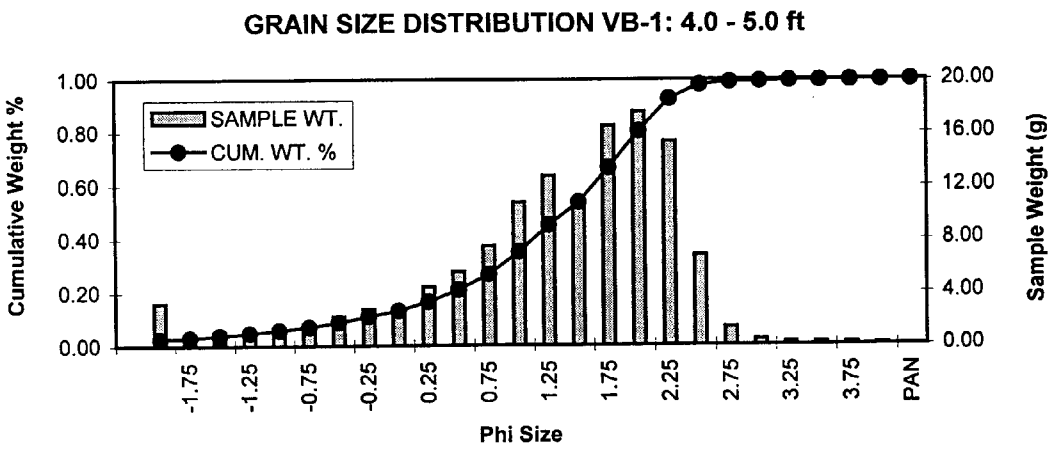


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 4.0 - 5.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	3.183	3.183	0.024984498	0.024984498
-1.75	0.742	3.925	0.005824222	0.030808719
-1.50	1.005	4.930	0.007888602	0.038697321
-1.25	1.149	6.079	0.009018909	0.047716230
-1.00	1.284	7.363	0.010078572	0.057794802
-0.75	1.615	8.978	0.012676709	0.070471511
-0.50	2.237	11.215	0.017559008	0.088030518
-0.25	2.782	13.997	0.021836906	0.109867424
0.00	2.726	16.723	0.021397342	0.131264767
0.25	4.428	21.151	0.034756945	0.166021711
0.50	5.578	26.729	0.043783703	0.209805414
0.75	7.488	34.217	0.058775972	0.268581386
1.00	10.791	45.008	0.084702392	0.353283778
1.25	12.777	57.785	0.100291211	0.453574989
1.50	10.752	68.537	0.084396267	0.537971256
1.75	16.526	85.063	0.129718444	0.667689699
2.00	17.542	102.605	0.137693388	0.805383088
2.25	15.332	117.937	0.120346314	0.925729401
2.50	6.788	124.725	0.053281423	0.979010824
2.75	1.372	126.097	0.010769315	0.989780140
3.00	0.418	126.515	0.003281030	0.993061170
3.25	0.231	126.746	0.001813201	0.994874371
3.50	0.225	126.971	0.001766105	0.996640476
3.75	0.195	127.166	0.001530624	0.998171100
4.00	0.130	127.296	0.001020416	0.999191516
PAN	0.103	127.399	0.000808484	1.0

TOTAL WT.	127.399	grams	
MEDIAN WT.	63.700	grams	
MEAN GRAIN SIZE	1.39	phi	0.3816 mm

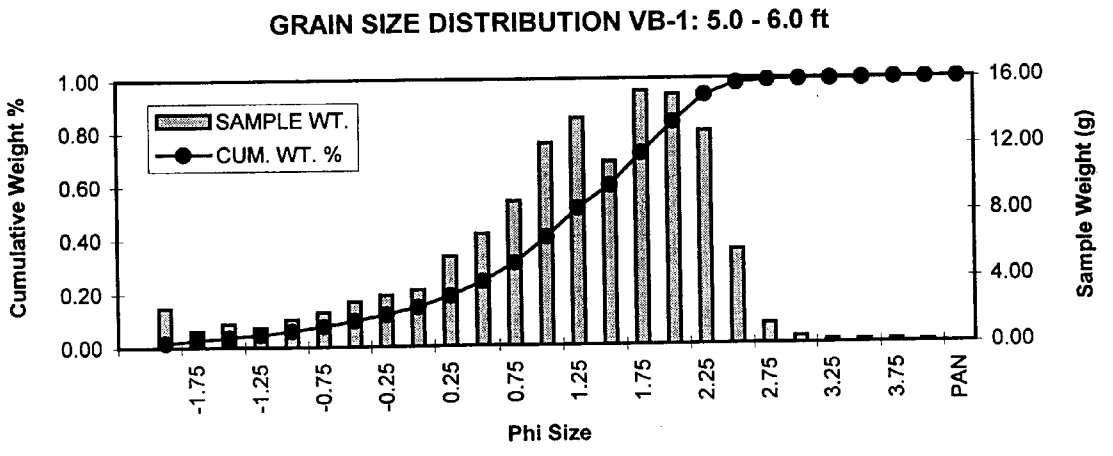


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 5.0 - 6.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.338	2.338	0.018337686	0.018337686
-1.75	0.995	3.333	0.007804105	0.026141792
-1.50	1.391	4.724	0.010910061	0.037051852
-1.25	1.167	5.891	0.009153157	0.046205009
-1.00	1.660	7.551	0.013019914	0.059224923
-0.75	2.092	9.643	0.016408229	0.075633152
-0.50	2.713	12.356	0.021278932	0.096912084
-0.25	3.083	15.439	0.024180961	0.121093045
0.00	3.403	18.842	0.026690824	0.147783869
0.25	5.366	24.208	0.042087265	0.189871134
0.50	6.685	30.893	0.052432606	0.242303740
0.75	8.647	39.540	0.067821204	0.310124944
1.00	12.131	51.671	0.095147337	0.405272281
1.25	13.647	65.318	0.107037813	0.512310094
1.50	10.981	76.299	0.086127517	0.598437610
1.75	15.245	91.544	0.119571441	0.718009051
2.00	15.030	106.574	0.117885127	0.835894178
2.25	12.855	119.429	0.100825902	0.936720080
2.50	5.690	125.119	0.044628501	0.981348581
2.75	1.228	126.347	0.009631599	0.990980180
3.00	0.390	126.737	0.003058896	0.994039075
3.25	0.178	126.915	0.001396111	0.995435187
3.50	0.181	127.096	0.001419641	0.996854828
3.75	0.171	127.267	0.001341208	0.998196036
4.00	0.128	127.395	0.001003945	0.999199981
PAN	0.102	127.497	0.000800019	1.0

TOTAL WT.	127.497	grams	
MEDIAN WT.	63.749	grams	
MEAN GRAIN SIZE	1.22	phi	0.4293 mm

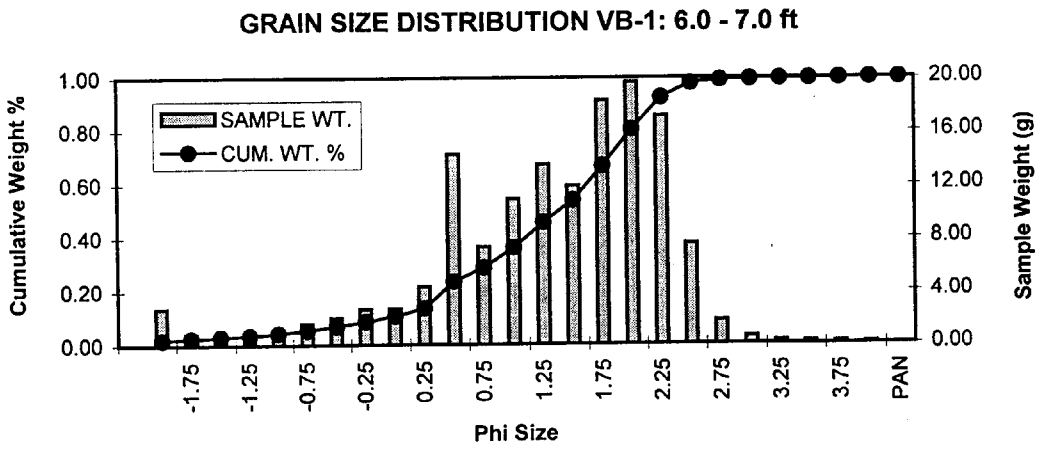


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 6.0 - 7.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.711	2.711	0.018950223	0.018950223
-1.75	0.832	3.543	0.005815782	0.024766006
-1.50	0.769	4.312	0.005375405	0.030141410
-1.25	0.770	5.082	0.005382395	0.035523805
-1.00	1.113	6.195	0.007780007	0.043303812
-0.75	1.580	7.775	0.011044394	0.054348206
-0.50	2.013	9.788	0.014071118	0.068419323
-0.25	2.660	12.448	0.018593727	0.087013051
0.00	2.703	15.151	0.018894302	0.105907353
0.25	4.353	19.504	0.030428005	0.136335358
0.50	14.277	33.781	0.099797985	0.236133344
0.75	7.319	41.100	0.051160710	0.287294054
1.00	10.943	52.043	0.076492916	0.363786969
1.25	13.530	65.573	0.094576364	0.458363333
1.50	11.900	77.473	0.083182463	0.541545796
1.75	18.276	95.749	0.127751487	0.669297283
2.00	19.651	115.400	0.137362906	0.806660189
2.25	17.117	132.517	0.119649935	0.926310124
2.50	7.561	140.078	0.052852320	0.979162443
2.75	1.737	141.815	0.012141844	0.991304287
3.00	0.561	142.376	0.003921459	0.995225746
3.25	0.221	142.597	0.001544817	0.996770563
3.50	0.165	142.762	0.001153370	0.997923933
3.75	0.134	142.896	0.000936676	0.998860610
4.00	0.087	142.983	0.000608141	0.999468751
PAN	0.076	143.059	0.000531249	1.0

TOTAL WT.	143.059	grams	
MEDIAN WT.	71.530	grams	
MEAN GRAIN SIZE	1.38	phi	0.3842 mm

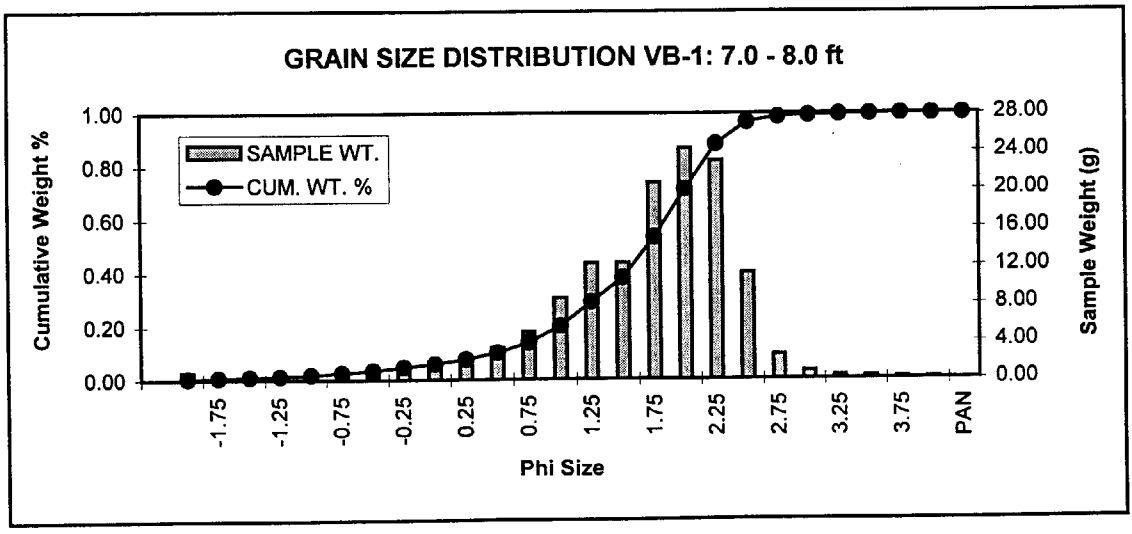


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 7.0 - 8.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.796	0.796	0.005862425	0.005862425
-1.75	0.301	1.097	0.002216821	0.008079246
-1.50	0.485	1.582	0.003571955	0.011651200
-1.25	0.430	2.012	0.003166888	0.014818088
-1.00	0.656	2.668	0.004831345	0.019649433
-0.75	0.894	3.562	0.006584180	0.026233613
-0.50	1.275	4.837	0.009390190	0.035623803
-0.25	1.494	6.331	0.011003093	0.046626896
0.00	1.673	8.004	0.012321402	0.058948299
0.25	2.451	10.455	0.018051259	0.076999558
0.50	3.366	13.821	0.024790102	0.101789660
0.75	5.010	18.831	0.036897923	0.138687583
1.00	8.610	27.441	0.063411401	0.202098984
1.25	12.253	39.694	0.090241567	0.292340551
1.50	12.309	52.003	0.090653999	0.382994550
1.75	20.721	72.724	0.152607159	0.535601709
2.00	24.304	97.028	0.178995434	0.714597142
2.25	22.985	120.013	0.169281190	0.883878333
2.50	11.241	131.254	0.082788334	0.966666667
2.75	2.573	133.827	0.018949772	0.985616438
3.00	0.830	134.657	0.006112830	0.991729268
3.25	0.385	135.042	0.002835469	0.994564737
3.50	0.317	135.359	0.002334659	0.996899396
3.75	0.214	135.573	0.001576079	0.998475475
4.00	0.114	135.687	0.000839593	0.999315068
PAN	0.093	135.780	0.000684932	1.0

TOTAL WT.	135.780	grams	
MEDIAN WT.	67.890	grams	
MEAN GRAIN SIZE	1.69	phi	0.3099 mm

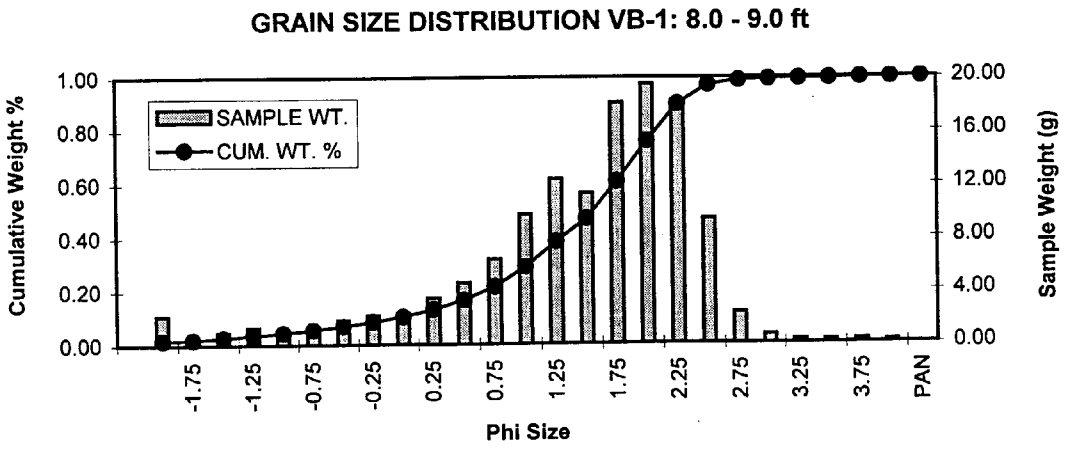


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 8.0 - 9.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.153	2.153	0.016505547	0.016505547
-1.75	0.373	2.526	0.002859530	0.019365077
-1.50	0.908	3.434	0.006961002	0.026326078
-1.25	1.282	4.716	0.009828198	0.036154277
-1.00	1.123	5.839	0.008609256	0.044763533
-0.75	1.349	7.188	0.010341840	0.055105373
-0.50	1.809	8.997	0.013868339	0.068973712
-0.25	2.173	11.170	0.016658873	0.085632585
0.00	2.370	13.540	0.018169134	0.103801719
0.25	3.478	17.018	0.026663396	0.130465114
0.50	4.610	21.628	0.035341649	0.165806763
0.75	6.386	28.014	0.048957000	0.214763763
1.00	9.716	37.730	0.074485783	0.289249546
1.25	12.378	50.108	0.094893477	0.384143023
1.50	11.302	61.410	0.086644537	0.470787559
1.75	18.082	79.492	0.138622059	0.609409618
2.00	19.483	98.975	0.149362547	0.758772165
2.25	18.166	117.141	0.139266028	0.898038194
2.50	9.373	126.514	0.071856242	0.969894435
2.75	2.263	128.777	0.017348840	0.987243275
3.00	0.632	129.409	0.004845102	0.992088377
3.25	0.240	129.649	0.001839912	0.993928289
3.50	0.209	129.858	0.001602257	0.995530546
3.75	0.258	130.116	0.001977906	0.997508452
4.00	0.189	130.305	0.001448931	0.998957383
PAN	0.136	130.441	0.001042617	1.0

TOTAL WT.	130.441	grams	
MEDIAN WT.	65.221	grams	
MEAN GRAIN SIZE	1.55	phi	0.3415 mm

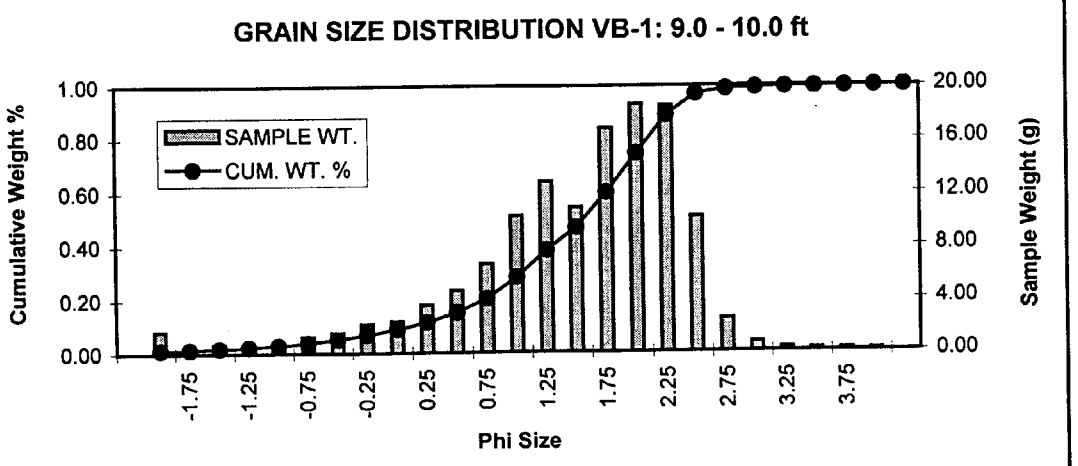


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 9.0 - 10.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.676	1.676	0.013052451	0.013052451
-1.75	0.205	1.881	0.001596511	0.014648962
-1.50	0.667	2.548	0.005194502	0.019843464
-1.25	0.587	3.135	0.004571473	0.024414937
-1.00	0.757	3.892	0.005895409	0.030310346
-0.75	1.261	5.153	0.009820490	0.040130836
-0.50	1.547	6.700	0.012047817	0.052178653
-0.25	2.171	8.871	0.016907441	0.069086095
0.00	2.389	11.260	0.018605195	0.087691289
0.25	3.604	14.864	0.028067443	0.115758732
0.50	4.693	19.557	0.036548421	0.152307153
0.75	6.670	26.227	0.051945018	0.204252171
1.00	10.267	36.494	0.079957946	0.284210116
1.25	12.833	49.327	0.099941591	0.384151707
1.50	10.876	60.203	0.084700752	0.468852459
1.75	16.807	77.010	0.130890542	0.599743001
2.00	18.602	95.612	0.144869748	0.744612749
2.25	18.498	114.110	0.144059811	0.888672559
2.50	10.193	124.303	0.079381644	0.968054203
2.75	2.522	126.825	0.019640980	0.987695183
3.00	0.712	127.537	0.005544955	0.993240139
3.25	0.270	127.807	0.002102722	0.995342860
3.50	0.190	127.997	0.001479693	0.996822554
3.75	0.159	128.156	0.001238270	0.998060823
4.00	0.127	128.283	0.000989058	0.999049881
PAN	0.122	128.405	0.000950119	1.0

TOTAL WT.	128.405	grams	
MEDIAN WT.	64.203	grams	
MEAN GRAIN SIZE	1.56	phi	0.3392 mm

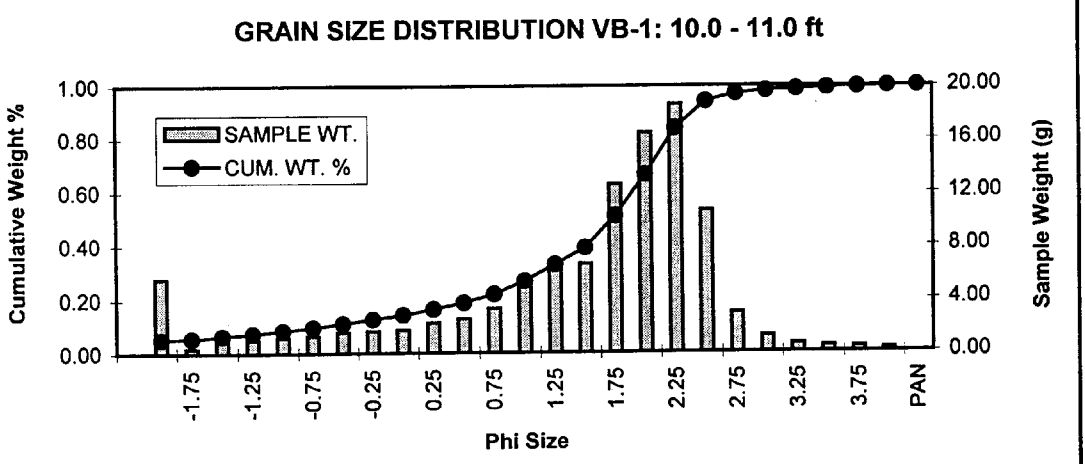


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 10.0 - 11.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	5.566	5.566	0.052531735	0.052531735
-1.75	0.368	5.934	0.003473173	0.056004908
-1.50	0.933	6.867	0.008805625	0.064810533
-1.25	0.969	7.836	0.009145392	0.073955925
-1.00	1.156	8.992	0.010910292	0.084866217
-0.75	1.281	10.273	0.012090038	0.096956255
-0.50	1.544	11.817	0.014572224	0.111528479
-0.25	1.672	13.489	0.015780284	0.127308763
0.00	1.730	15.219	0.016327686	0.143636449
0.25	2.267	17.486	0.021395876	0.165032325
0.50	2.564	20.050	0.024198952	0.189231277
0.75	3.329	23.379	0.031418999	0.220650276
1.00	5.078	28.457	0.047926006	0.268576282
1.25	6.460	34.917	0.060969279	0.329545562
1.50	6.645	41.562	0.062715304	0.392260865
1.75	12.581	54.143	0.118739087	0.510999953
2.00	16.462	70.605	0.155367845	0.666367798
2.25	18.590	89.195	0.175451843	0.841819640
2.50	10.643	99.838	0.100448304	0.942267944
2.75	2.997	102.835	0.028285593	0.970553537
3.00	1.223	104.058	0.011542636	0.982096173
3.25	0.641	104.699	0.006049738	0.988145911
3.50	0.468	105.167	0.004416969	0.992562880
3.75	0.375	105.542	0.003539238	0.996102119
4.00	0.235	105.777	0.002217923	0.998320042
PAN	0.178	105.955	0.001679958	1.0

TOTAL WT.	105.955	grams	
MEDIAN WT.	52.978	grams	
MEAN GRAIN SIZE	1.73	phi	0.3015 mm

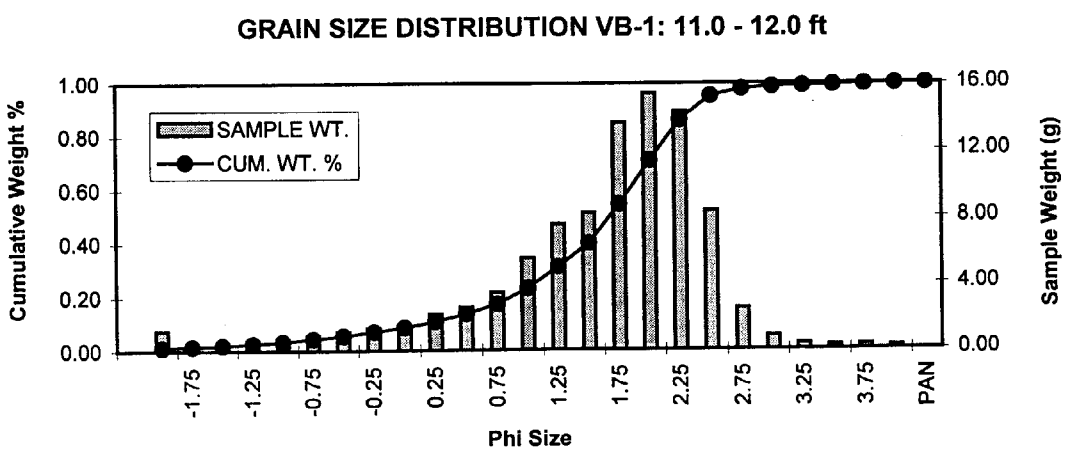


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 11.0 - 12.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.206	1.206	0.012862628	0.012862628
-1.75	0.377	1.583	0.004020904	0.016883532
-1.50	0.368	1.951	0.003924915	0.020808447
-1.25	0.598	2.549	0.006377986	0.027186433
-1.00	0.601	3.150	0.006409983	0.033596416
-0.75	0.926	4.076	0.009876280	0.043472696
-0.50	1.145	5.221	0.012212031	0.055684727
-0.25	1.373	6.594	0.014643771	0.070328498
0.00	1.440	8.034	0.015358362	0.085686860
0.25	2.169	10.203	0.023133532	0.108820392
0.50	2.594	12.797	0.027666382	0.136486775
0.75	3.491	16.288	0.037233362	0.173720137
1.00	5.538	21.826	0.059065700	0.232785836
1.25	7.563	29.389	0.080663396	0.313449232
1.50	8.227	37.616	0.087745307	0.401194539
1.75	13.611	51.227	0.145168515	0.546363055
2.00	15.378	66.605	0.164014505	0.710377560
2.25	14.271	80.876	0.152207765	0.862585324
2.50	8.350	89.226	0.089057167	0.951642491
2.75	2.522	91.748	0.026898464	0.978540956
3.00	0.809	92.557	0.008628413	0.987169369
3.25	0.342	92.899	0.003647611	0.990816980
3.50	0.248	93.147	0.002645051	0.993462031
3.75	0.262	93.409	0.002794369	0.996256399
4.00	0.199	93.608	0.002122440	0.998378840
PAN	0.152	93.760	0.001621160	1.0

TOTAL WT.	93.760	grams	
MEDIAN WT.	46.880	grams	
MEAN GRAIN SIZE	1.67	phi	0.3143 mm

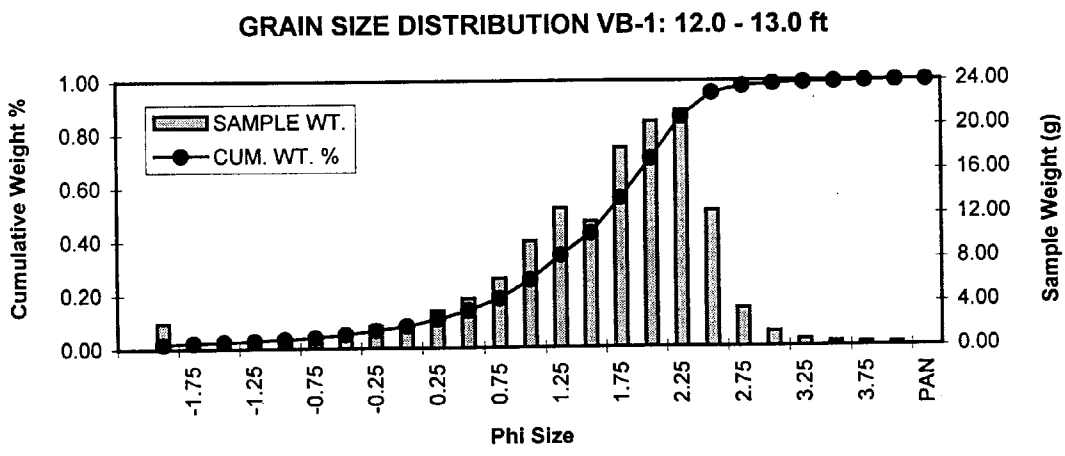


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 12.0 - 13.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.259	2.259	0.016474140	0.016474140
-1.75	0.719	2.978	0.005243429	0.021717569
-1.50	0.434	3.412	0.003165019	0.024882588
-1.25	0.548	3.960	0.003996383	0.028878971
-1.00	0.889	4.849	0.006483183	0.035362154
-0.75	0.788	5.637	0.005746623	0.041108777
-0.50	1.529	7.166	0.011150492	0.052259269
-0.25	1.997	9.163	0.014563461	0.066822730
0.00	2.181	11.344	0.015905312	0.082728042
0.25	3.318	14.662	0.024197077	0.106925119
0.50	4.373	19.035	0.031890843	0.138815962
0.75	6.237	25.272	0.045484379	0.184300341
1.00	9.615	34.887	0.070119016	0.254419358
1.25	12.513	47.400	0.091253172	0.345672530
1.50	11.348	58.748	0.082757212	0.428429742
1.75	17.966	76.714	0.131020099	0.559449841
2.00	20.313	97.027	0.148135994	0.707585835
2.25	21.311	118.338	0.155414078	0.862999912
2.50	12.277	130.615	0.089532102	0.952532015
2.75	3.456	134.071	0.025203465	0.977735480
3.00	1.275	135.346	0.009298153	0.987033634
3.25	0.581	135.927	0.004237041	0.991270675
3.50	0.373	136.300	0.002720166	0.993990840
3.75	0.321	136.621	0.002340947	0.996331787
4.00	0.269	136.890	0.001961728	0.998293515
PAN	0.234	137.124	0.001706485	1.0

TOTAL WT.	137.124	grams	
MEDIAN WT.	68.562	grams	
MEAN GRAIN SIZE	1.64	phi	0.3209 mm

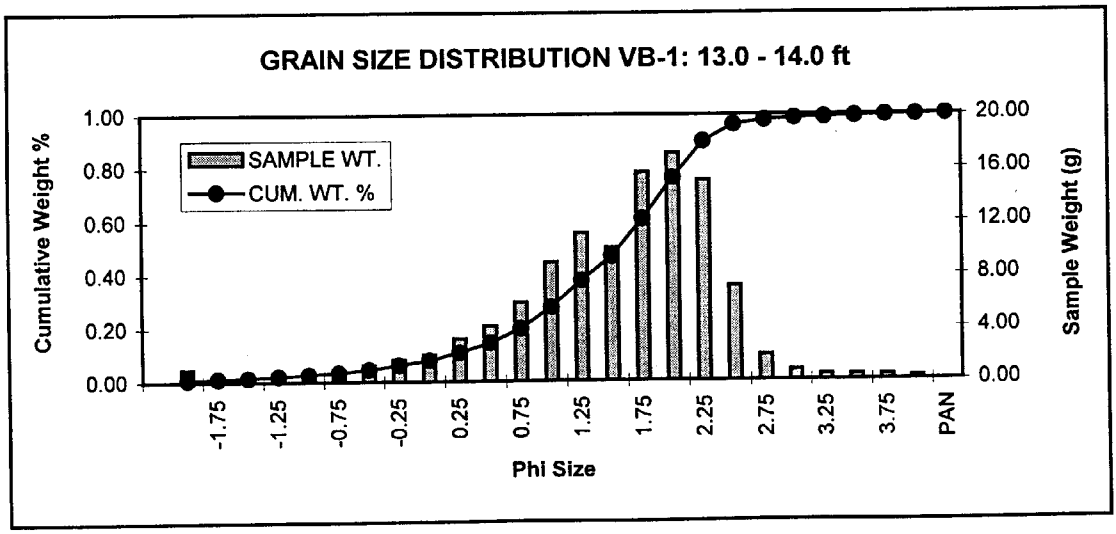


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 13.0 - 14.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.934	0.934	0.008378936	0.008378936
-1.75	0.391	1.325	0.003507670	0.011886606
-1.50	0.483	1.808	0.004333004	0.016219611
-1.25	0.613	2.421	0.005499237	0.021718848
-1.00	0.655	3.076	0.005876020	0.027594869
-0.75	0.821	3.897	0.007365210	0.034960079
-0.50	1.266	5.163	0.011357316	0.046317395
-0.25	1.656	6.819	0.014856015	0.061173410
0.00	2.027	8.846	0.018184265	0.079357675
0.25	3.222	12.068	0.028904638	0.108262313
0.50	4.162	16.230	0.037337400	0.145599713
0.75	5.931	22.161	0.053207141	0.198806854
1.00	8.937	31.098	0.080174038	0.278980892
1.25	11.150	42.248	0.100026913	0.379007805
1.50	10.047	52.295	0.090131874	0.469139679
1.75	15.635	67.930	0.140261954	0.609401633
2.00	17.090	85.020	0.153314793	0.762716426
2.25	15.065	100.085	0.135148470	0.897864896
2.50	7.133	107.218	0.063990311	0.961855208
2.75	1.889	109.107	0.016946264	0.978801471
3.00	0.739	109.846	0.006629586	0.985431058
3.25	0.422	110.268	0.003785772	0.989216830
3.50	0.382	110.650	0.003426931	0.992643761
3.75	0.356	111.006	0.003193684	0.995837445
4.00	0.237	111.243	0.002126133	0.997963578
PAN	0.227	111.470	0.002036422	1.0

TOTAL WT.	111.470	grams	
MEDIAN WT.	55.735	grams	
MEAN GRAIN SIZE	1.56	phi	0.3392 mm

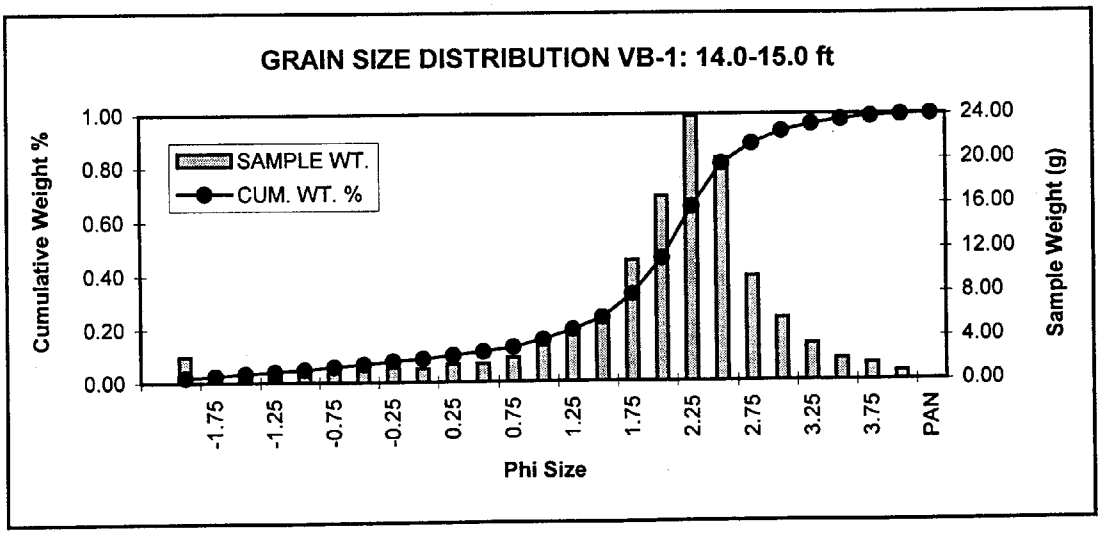


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 14.0-15.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.357	2.357	0.018939790	0.018939790
-1.75	0.860	3.217	0.006910572	0.025850362
-1.50	1.050	4.267	0.008437327	0.034287689
-1.25	0.920	5.187	0.007392705	0.041680394
-1.00	0.821	6.008	0.006597186	0.048277580
-0.75	1.270	7.278	0.010205148	0.058482728
-0.50	1.150	8.428	0.009240882	0.067723609
-0.25	1.283	9.711	0.010309610	0.078033219
0.00	1.192	10.903	0.009578375	0.087611594
0.25	1.599	12.502	0.012848843	0.100460437
0.50	1.643	14.145	0.013202407	0.113662844
0.75	2.163	16.308	0.017380893	0.131043737
1.00	3.440	19.748	0.027642289	0.158686027
1.25	4.667	24.415	0.037501908	0.196187935
1.50	5.472	29.887	0.043970526	0.240158461
1.75	10.902	40.789	0.087603558	0.327762019
2.00	16.641	57.430	0.133719575	0.461481595
2.25	23.781	81.211	0.191093397	0.652574992
2.50	20.001	101.212	0.160719021	0.813294013
2.75	9.460	110.672	0.076016296	0.889310309
3.00	5.673	116.345	0.045585671	0.934895980
3.25	3.341	119.686	0.026846770	0.961742750
3.50	2.009	121.695	0.016143418	0.977886168
3.75	1.521	123.216	0.012222070	0.990108239
4.00	0.747	123.963	0.006002555	0.996110794
PAN	0.484	124.447	0.003889206	1.0

TOTAL WT.	124.447	grams	
MEDIAN WT.	62.224	grams	
MEAN GRAIN SIZE	1.98	phi	0.2535 mm

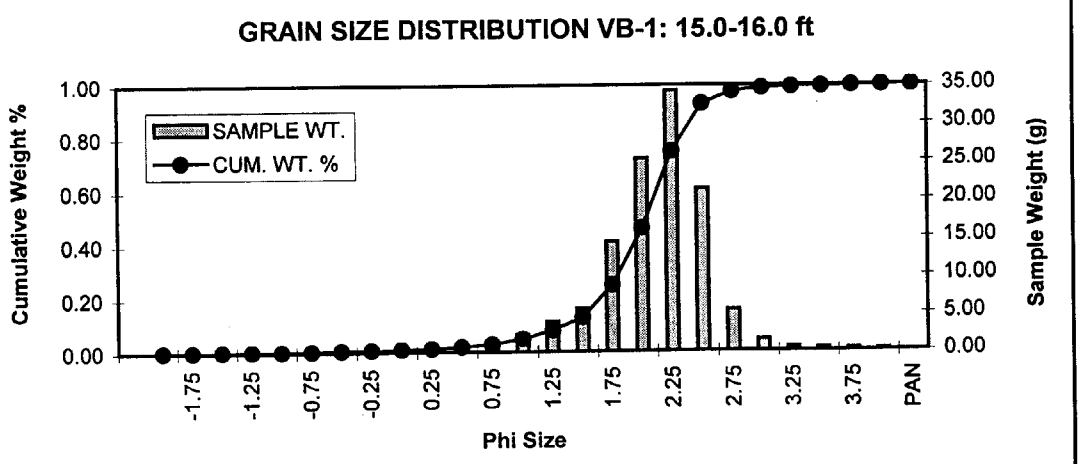


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 15.0-16.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.305	0.305	0.002559992	0.002559992
-1.75	0.035	0.340	0.000293770	0.002853762
-1.50	0.063	0.403	0.000528785	0.003382547
-1.25	0.028	0.431	0.000235016	0.003617562
-1.00	0.059	0.490	0.000495212	0.004112774
-0.75	0.113	0.603	0.000948456	0.005061230
-0.50	0.190	0.793	0.001594749	0.006655979
-0.25	0.195	0.988	0.001636716	0.008292695
0.00	0.252	1.240	0.002115141	0.010407836
0.25	0.402	1.642	0.003374153	0.013781989
0.50	0.674	2.316	0.005657163	0.019439152
0.75	1.097	3.413	0.009207578	0.028646730
1.00	2.283	5.696	0.019162169	0.047808899
1.25	4.002	9.698	0.033590452	0.081399350
1.50	5.680	15.378	0.047674604	0.129073954
1.75	14.446	29.824	0.121251290	0.250325245
2.00	25.300	55.124	0.212353430	0.462678675
2.25	34.279	89.403	0.287717914	0.750396589
2.50	21.329	110.732	0.179023174	0.929419763
2.75	5.467	116.199	0.045886806	0.975306570
3.00	1.496	117.695	0.012556551	0.987863120
3.25	0.518	118.213	0.004347790	0.992210910
3.50	0.346	118.559	0.002904122	0.995115032
3.75	0.267	118.826	0.002241042	0.997356074
4.00	0.154	118.980	0.001292586	0.998648660
PAN	0.161	119.141	0.001351340	1.0

TOTAL WT.	119.141	grams	
MEDIAN WT.	59.571	grams	
MEAN GRAIN SIZE	2.03	phi	0.2449 mm

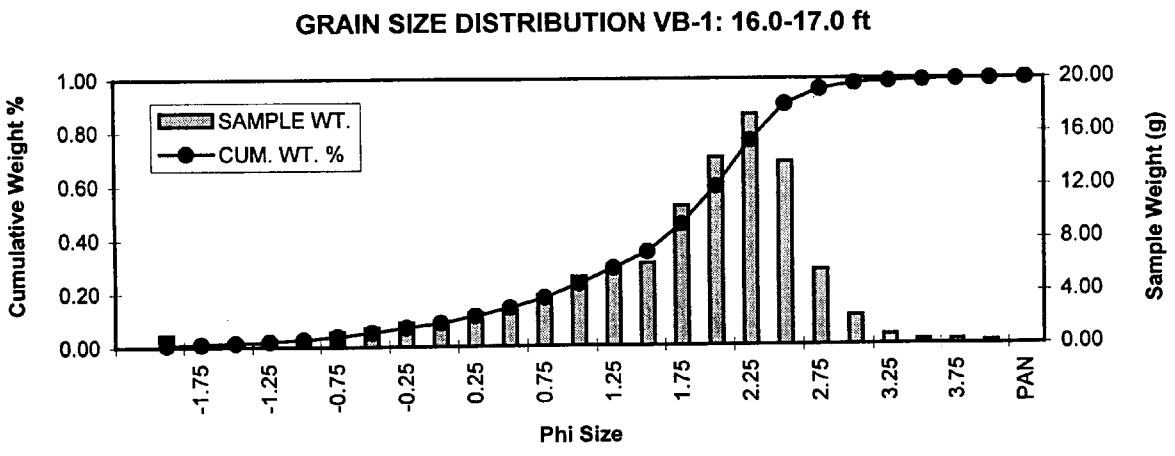


GRAIN SIZE DISTRIBUTION CHART

CORE VB-1: 16.0-17.0 ft

PHI SIZE	DISH	SAMPLE +	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.750	2.640	0.890	0.890	0.008823150	0.008823150
-1.75	1.581	1.775	0.194	1.084	0.001923249	0.010746399
-1.50	1.681	2.163	0.482	1.566	0.004778380	0.015524779
-1.25	1.598	2.145	0.547	2.113	0.005422768	0.020947547
-1.00	1.705	2.382	0.677	2.790	0.006711542	0.027659089
-0.75	1.686	2.777	1.091	3.881	0.010815794	0.038474884
-0.50	1.663	3.100	1.437	5.318	0.014245918	0.052720802
-0.25	1.673	3.459	1.786	7.104	0.017705783	0.070426584
0.00	1.674	3.518	1.844	8.948	0.018280774	0.088707359
0.25	1.689	4.202	2.513	11.461	0.024913008	0.113620367
0.50	1.723	4.738	3.015	14.476	0.029889661	0.143510028
0.75	1.679	5.512	3.833	18.309	0.037999028	0.181509056
1.00	1.661	6.833	5.172	23.481	0.051273409	0.232782465
1.25	1.670	7.552	5.882	29.363	0.058312102	0.291094566
1.50	1.679	7.864	6.185	35.548	0.061315938	0.352410505
1.75	1.683	12.165	10.482	46.030	0.103914901	0.456325406
2.00	1.770	15.843	14.073	60.103	0.139514826	0.595840232
2.25	1.722	19.034	17.312	77.415	0.171625145	0.767465377
2.50	1.671	15.413	13.742	91.157	0.136233407	0.903698784
2.75	1.715	7.406	5.691	96.848	0.056418594	0.960117378
3.00	1.655	3.854	2.199	99.047	0.021800121	0.981917499
3.25	1.685	2.412	0.727	99.774	0.007207225	0.989124724
3.50	1.707	2.072	0.365	100.139	0.003618483	0.992743207
3.75	1.657	1.993	0.336	100.475	0.003330987	0.996074194
4.00	1.717	1.916	0.199	100.674	0.001972817	0.998047011
PAN	1.673	1.870	0.197	100.871	0.001952989	1.0

TOTAL WT.	100.871	grams	
MEDIAN WT.	50.436	grams	
MEAN GRAIN SIZE	1.83	phi	0.2813 mm

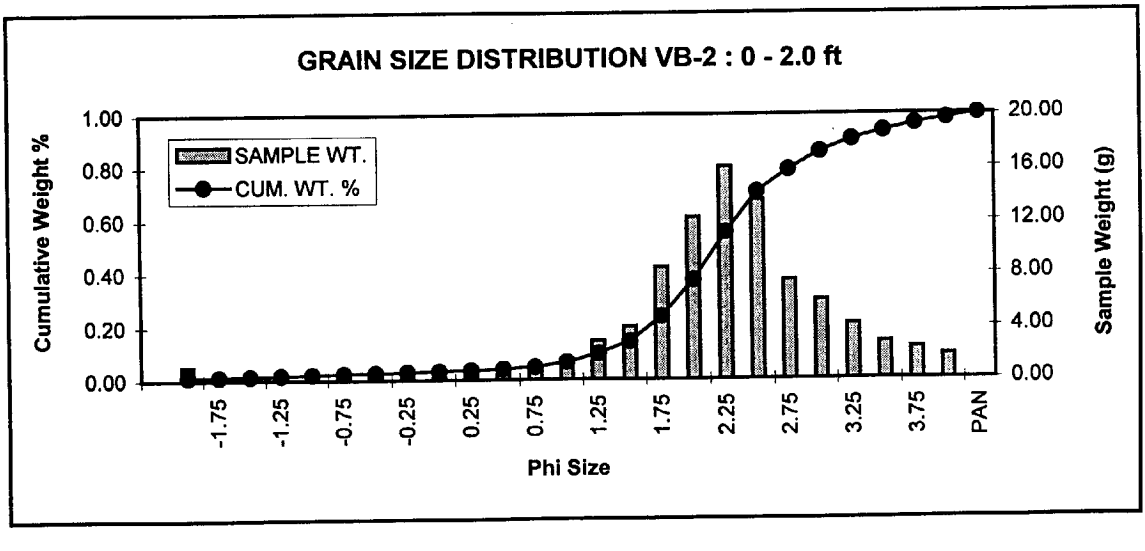


GRAIN SIZE DISTRIBUTION CHART

CORE VB-2: 0 - 2.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.030	1.030	0.011531830	0.011531830
-1.75	0.134	1.164	0.001500258	0.013032088
-1.50	0.228	1.392	0.002552677	0.015584765
-1.25	0.204	1.596	0.002283974	0.017868739
-1.00	0.334	1.930	0.003739448	0.021608186
-0.75	0.266	2.196	0.002978123	0.024586310
-0.50	0.209	2.405	0.002339954	0.026926263
-0.25	0.265	2.670	0.002966927	0.029893191
0.00	0.223	2.893	0.002496697	0.032389888
0.25	0.350	3.243	0.003918583	0.036308471
0.50	0.384	3.627	0.004299245	0.040607716
0.75	0.676	4.303	0.007568463	0.048176179
1.00	1.587	5.890	0.017767975	0.065944155
1.25	2.926	8.816	0.032759354	0.098703509
1.50	3.987	12.803	0.044638259	0.143341768
1.75	8.489	21.292	0.095042433	0.238384200
2.00	12.241	33.533	0.137049643	0.375433843
2.25	16.029	49.562	0.179459907	0.554893750
2.50	13.500	63.062	0.151145346	0.706039096
2.75	7.508	70.570	0.084059204	0.790098300
3.00	5.996	76.566	0.067130925	0.857229226
3.25	4.163	80.729	0.046608746	0.903837972
3.50	2.805	83.534	0.031404644	0.935242616
3.75	2.369	85.903	0.026523209	0.961765825
4.00	1.822	87.725	0.020399024	0.982164849
PAN	1.593	89.318	0.017835151	1.0

TOTAL WT.	89.318	grams	
MEDIAN WT.	44.659	grams	
MEAN GRAIN SIZE	2.17	phi	0.2222 mm

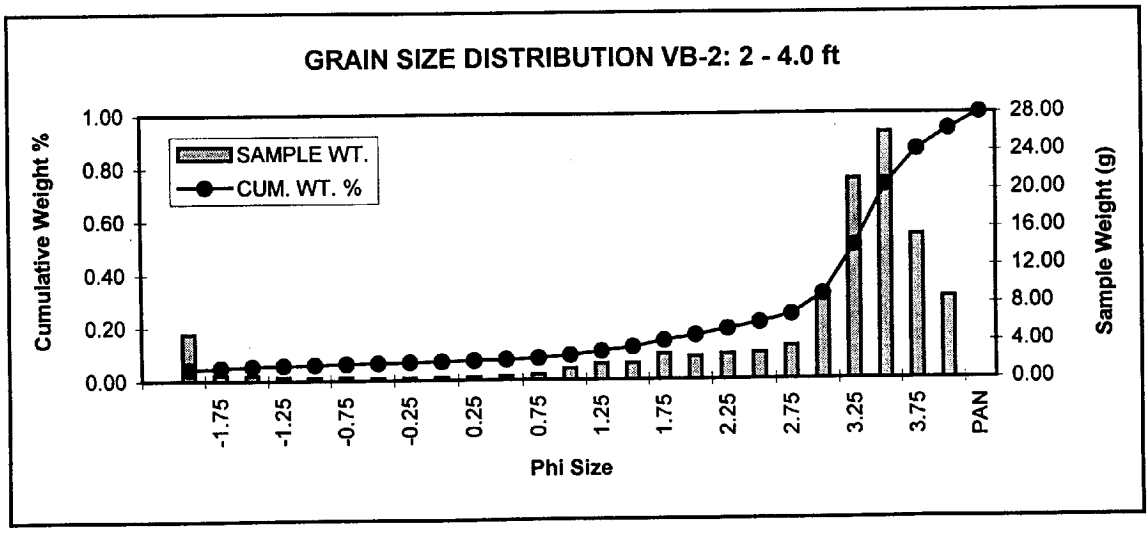


GRAIN SIZE DISTRIBUTION CHART

CORE VB-2: 2 - 4.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	4.975	4.975	0.043413383	0.043413383
-1.75	0.623	5.598	0.005436490	0.048849873
-1.50	0.544	6.142	0.004747112	0.053596984
-1.25	0.401	6.543	0.003499250	0.057096234
-1.00	0.299	6.842	0.002609166	0.059705400
-0.75	0.383	7.225	0.003342176	0.063047576
-0.50	0.273	7.498	0.002382282	0.065429858
-0.25	0.262	7.760	0.002286293	0.067716151
0.00	0.307	8.067	0.002678977	0.070395127
0.25	0.344	8.411	0.003001850	0.073396977
0.50	0.397	8.808	0.003464344	0.076861322
0.75	0.571	9.379	0.004982722	0.081844043
1.00	1.151	10.530	0.010043981	0.091888024
1.25	1.696	12.226	0.014799818	0.106687843
1.50	1.703	13.929	0.014860903	0.121548745
1.75	2.631	16.560	0.022958917	0.144507662
2.00	2.390	18.950	0.020855876	0.165363538
2.25	2.608	21.558	0.022758211	0.188121749
2.50	2.779	24.337	0.024250410	0.212372160
2.75	3.499	27.836	0.030533352	0.242905512
3.00	8.832	36.668	0.077070753	0.319976264
3.25	21.071	57.739	0.183872037	0.503848302
3.50	25.931	83.670	0.226281895	0.730130197
3.75	15.174	98.844	0.132412999	0.862543195
4.00	8.655	107.499	0.075526196	0.938069392
PAN	7.097	114.596	0.061930608	1.0

TOTAL WT.	114.596	grams	
MEDIAN WT.	57.298	grams	
MEAN GRAIN SIZE	3.24	phi	0.1058 mm

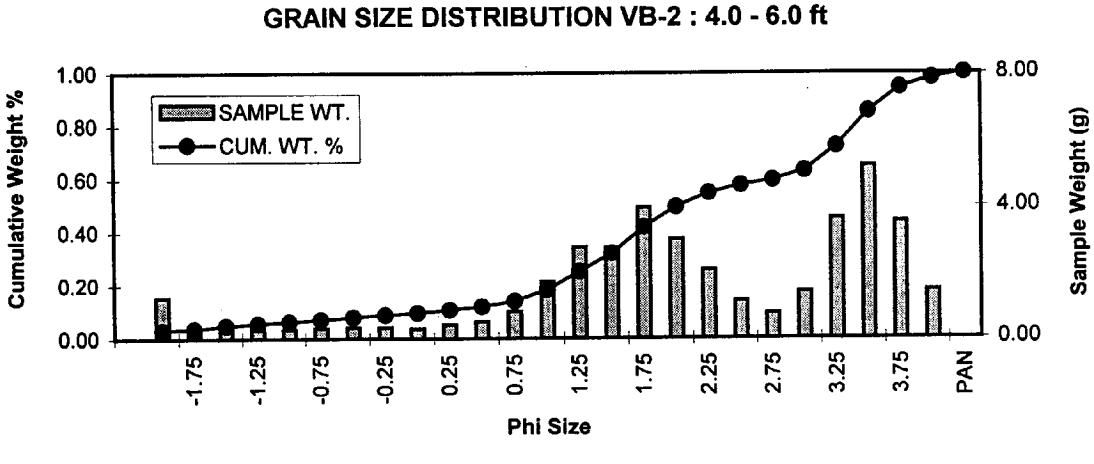


GRAIN SIZE DISTRIBUTION CHART

CORE VB-2: 4.0 - 6.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.235	1.235	0.031062931	0.031062931
-1.75	0.259	1.494	0.006514412	0.037577343
-1.50	0.457	1.951	0.011494542	0.049071885
-1.25	0.327	2.278	0.008224760	0.057296645
-1.00	0.287	2.565	0.007218673	0.064515318
-0.75	0.317	2.882	0.007973238	0.072488556
-0.50	0.342	3.224	0.008602042	0.081090598
-0.25	0.343	3.567	0.008627195	0.089717793
0.00	0.297	3.864	0.007470195	0.097187987
0.25	0.414	4.278	0.010412999	0.107600986
0.50	0.504	4.782	0.012676694	0.120277680
0.75	0.813	5.595	0.020448715	0.140726395
1.00	1.701	7.296	0.042783842	0.183510237
1.25	2.771	10.067	0.069696665	0.253206902
1.50	2.734	12.801	0.068766035	0.321972936
1.75	3.948	16.749	0.099300770	0.421273706
2.00	3.013	19.762	0.075783490	0.497057196
2.25	2.080	21.842	0.052316515	0.549373711
2.50	1.134	22.976	0.028522561	0.577896272
2.75	0.768	23.744	0.019316867	0.597213139
3.00	1.417	25.161	0.035640626	0.632853765
3.25	3.642	28.803	0.091604205	0.724457971
3.50	5.200	34.003	0.130791287	0.855249258
3.75	3.527	37.530	0.088711706	0.943960964
4.00	1.446	38.976	0.036370039	0.980331003
PAN	0.782	39.758	0.019668997	1.0

TOTAL WT.	39.758	grams	
MEDIAN WT.	19.879	grams	
MEAN GRAIN SIZE	2.01	phi	0.2483 mm

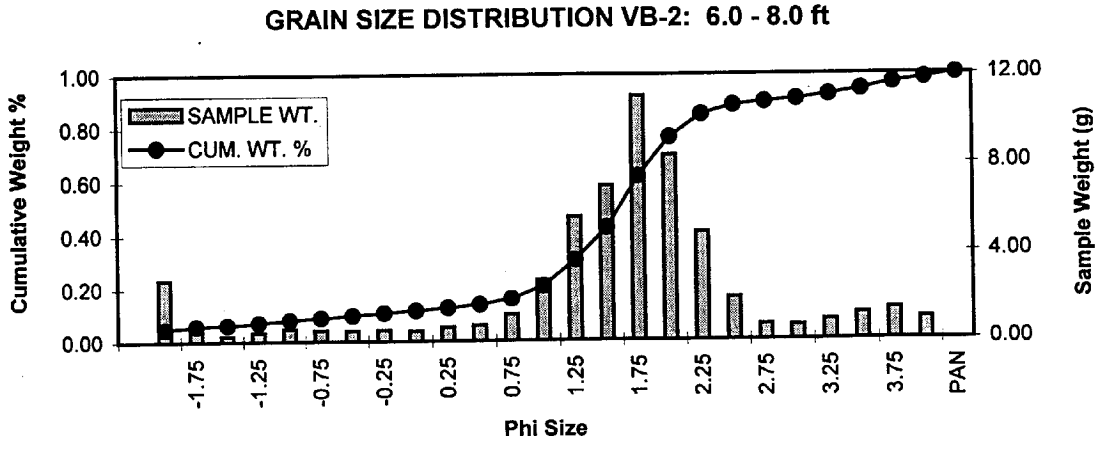


GRAIN SIZE DISTRIBUTION CHART

CORE VB-2: 6.0 - 8.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.794	2.794	0.048631901	0.048631901
-1.75	0.590	3.384	0.010269442	0.058901344
-1.50	0.263	3.647	0.004577734	0.063479078
-1.25	0.423	4.070	0.007362668	0.070841746
-1.00	0.583	4.653	0.010147601	0.080989348
-0.75	0.505	5.158	0.008789946	0.089779294
-0.50	0.482	5.640	0.008389612	0.098168906
-0.25	0.499	6.139	0.008685511	0.106854418
0.00	0.457	6.596	0.007954466	0.114808884
0.25	0.621	7.217	0.010809023	0.125617907
0.50	0.709	7.926	0.012340737	0.137958644
0.75	1.203	9.129	0.020939219	0.158897863
1.00	2.754	11.883	0.047935668	0.206833531
1.25	5.598	17.481	0.097437861	0.304271392
1.50	7.002	24.483	0.121875653	0.426147044
1.75	11.034	35.517	0.192055977	0.618203022
2.00	8.372	43.889	0.145721646	0.763924668
2.25	4.899	48.788	0.085271183	0.849195850
2.50	1.924	50.712	0.033488825	0.882684676
2.75	0.693	51.405	0.012062243	0.894746919
3.00	0.646	52.051	0.011244169	0.905991088
3.25	0.890	52.941	0.015491193	0.921482281
3.50	1.194	54.135	0.020782566	0.942264847
3.75	1.388	55.523	0.024159298	0.966424145
4.00	0.965	56.488	0.016796630	0.983220776
PAN	0.964	57.452	0.016779224	1.0

TOTAL WT.	57.452	grams	
MEDIAN WT.	28.726	grams	
MEAN GRAIN SIZE	1.6	phi	0.3299 mm

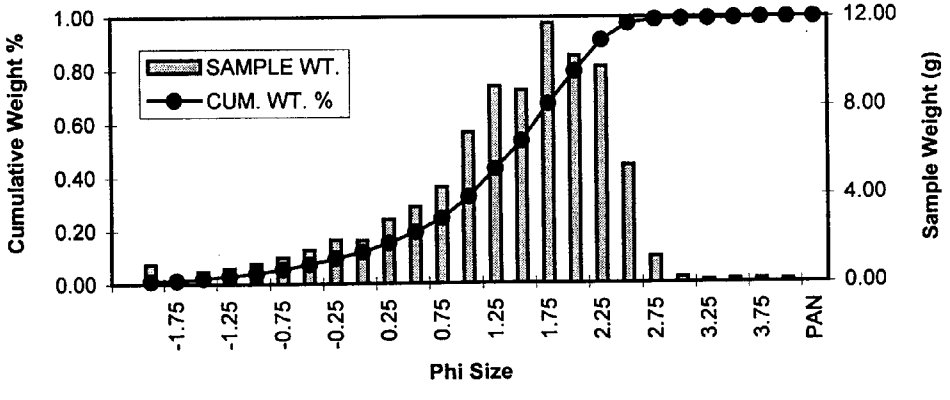


GRAIN SIZE DISTRIBUTION CHART

CORE VB-3: 0.0-2.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.881	0.881	0.010449531	0.010449531
-1.75	0.277	1.158	0.003285494	0.013735026
-1.50	0.568	1.726	0.006737042	0.020472067
-1.25	0.718	2.444	0.008516190	0.028988258
-1.00	0.919	3.363	0.010900249	0.039888507
-0.75	1.187	4.550	0.014078994	0.053967501
-0.50	1.521	6.071	0.018040565	0.072008065
-0.25	1.973	8.044	0.023401732	0.095409797
0.00	1.943	9.987	0.023045902	0.118455699
0.25	2.906	12.893	0.034468035	0.152923734
0.50	3.466	16.359	0.041110189	0.194033922
0.75	4.346	20.705	0.051547859	0.245581782
1.00	6.815	27.520	0.080832641	0.326414423
1.25	8.897	36.417	0.105527221	0.431941644
1.50	8.703	45.120	0.103226189	0.535167833
1.75	11.716	56.836	0.138963350	0.674131183
2.00	10.261	67.097	0.121705610	0.795836793
2.25	9.770	76.867	0.115881865	0.911718657
2.50	5.331	82.198	0.063230933	0.974949591
2.75	1.177	83.375	0.013960384	0.988909975
3.00	0.238	83.613	0.002822915	0.991732891
3.25	0.124	83.737	0.001470763	0.993203653
3.50	0.163	83.900	0.001933341	0.995136994
3.75	0.159	84.059	0.001885897	0.997022892
4.00	0.125	84.184	0.001482624	0.998505515
PAN	0.126	84.310	0.001494485	1.0

TOTAL WT.	84.310	grams	
MEDIAN WT.	42.155	grams	
MEAN GRAIN SIZE	1.41	phi	0.3763 mm

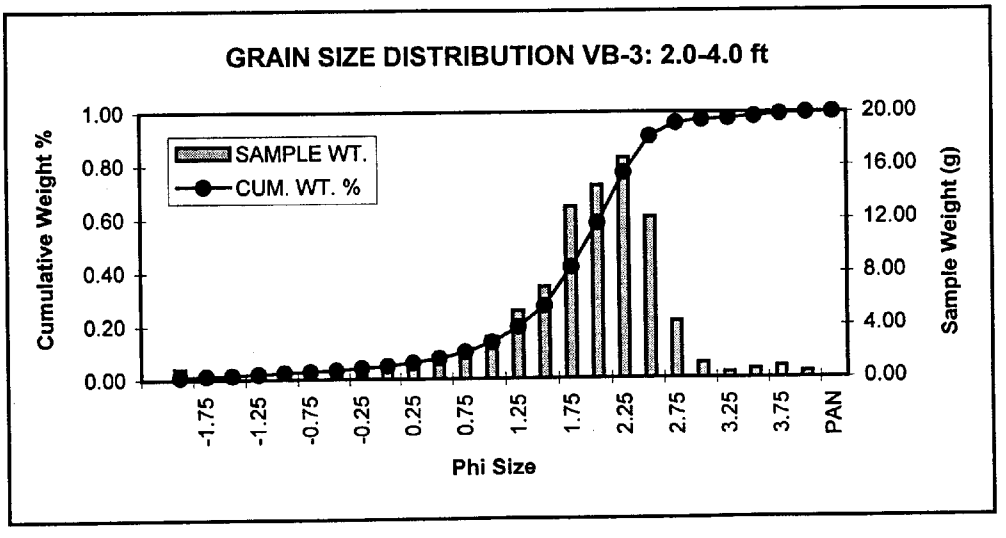


GRAIN SIZE DISTRIBUTION CHART

CORE VB-3: 2.0-4.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.813	0.813	0.009220091	0.009220091
-1.75	0.346	1.159	0.003923926	0.013144017
-1.50	0.228	1.387	0.002585708	0.015729725
-1.25	0.460	1.847	0.005216780	0.020946505
-1.00	0.359	2.206	0.004071356	0.025017862
-0.75	0.391	2.597	0.004434263	0.029452125
-0.50	0.439	3.036	0.004978623	0.034430747
-0.25	0.675	3.711	0.007655057	0.042085805
0.00	0.625	4.336	0.007088016	0.049173821
0.25	1.044	5.380	0.011839822	0.061013643
0.50	1.446	6.826	0.016398834	0.077412477
0.75	2.061	8.887	0.023373442	0.100785919
1.00	3.176	12.063	0.036018463	0.136804382
1.25	5.136	17.199	0.058246482	0.195050864
1.50	6.915	24.114	0.078421811	0.273472674
1.75	12.904	37.018	0.146342017	0.419814691
2.00	14.497	51.515	0.164407952	0.584222643
2.25	16.595	68.110	0.188201005	0.772423648
2.50	12.120	80.230	0.137450809	0.909874457
2.75	4.274	84.504	0.048470690	0.958345147
3.00	1.105	85.609	0.012531613	0.970876759
3.25	0.406	86.015	0.004604375	0.975481135
3.50	0.662	86.677	0.007507627	0.982988761
3.75	0.869	87.546	0.009855178	0.992843939
4.00	0.431	87.977	0.004887896	0.997731835
PAN	0.200	88.177	0.002268165	1.0

TOTAL WT.	88.177	grams	
MEDIAN WT.	44.089	grams	
MEAN GRAIN SIZE	1.87	phi	0.2736 mm

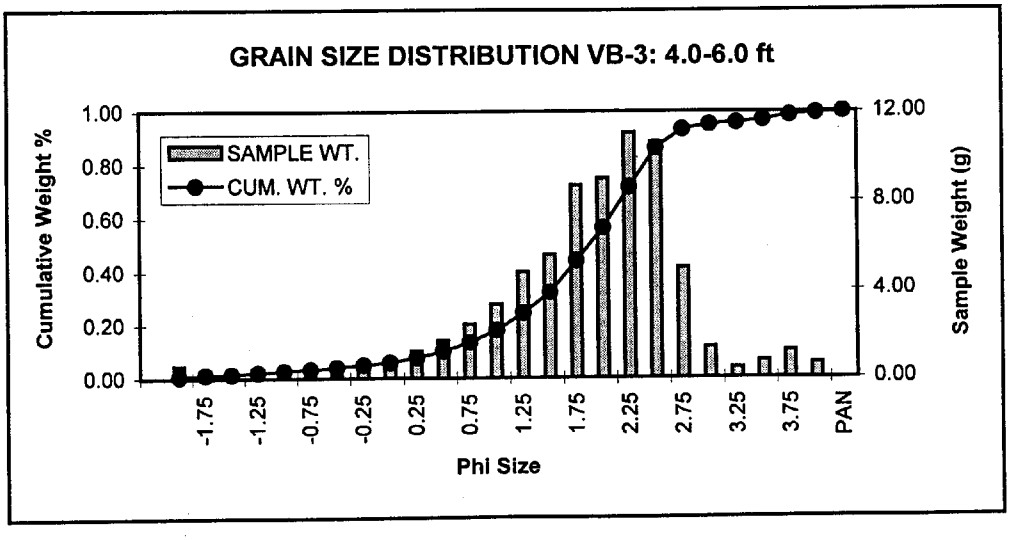


GRAIN SIZE DISTRIBUTION CHART

CORE VB-3: 4.0-6.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.569	0.569	0.007824855	0.007824855
-1.75	0.369	0.938	0.005074467	0.012899322
-1.50	0.202	1.140	0.002777892	0.015677214
-1.25	0.444	1.584	0.006105862	0.021783077
-1.00	0.443	2.027	0.006092111	0.027875187
-0.75	0.457	2.484	0.006284638	0.034159825
-0.50	0.530	3.014	0.007288530	0.041448355
-0.25	0.593	3.607	0.008154902	0.049603256
0.00	0.725	4.332	0.009970158	0.059573415
0.25	1.232	5.564	0.016942393	0.076515808
0.50	1.690	7.254	0.023240783	0.099756591
0.75	2.456	9.710	0.033774771	0.133531361
1.00	3.352	13.062	0.046096511	0.179627872
1.25	4.796	17.858	0.065954316	0.245582188
1.50	5.580	23.438	0.076735839	0.322318027
1.75	8.686	32.124	0.119449372	0.441767400
2.00	9.002	41.126	0.123794986	0.565562386
2.25	11.048	52.174	0.151931460	0.717493846
2.50	10.614	62.788	0.145963117	0.863456963
2.75	5.006	67.794	0.068842224	0.932299187
3.00	1.392	69.186	0.019142704	0.951441891
3.25	0.471	69.657	0.006477165	0.957919056
3.50	0.787	70.444	0.010822779	0.968741835
3.75	1.221	71.665	0.016791122	0.985532957
4.00	0.655	72.320	0.009007522	0.994540479
PAN	0.397	72.717	0.005459521	1.0

TOTAL WT.	72.717	grams	
MEDIAN WT.	36.359	grams	
MEAN GRAIN SIZE	1.87	phi	0.2736 mm

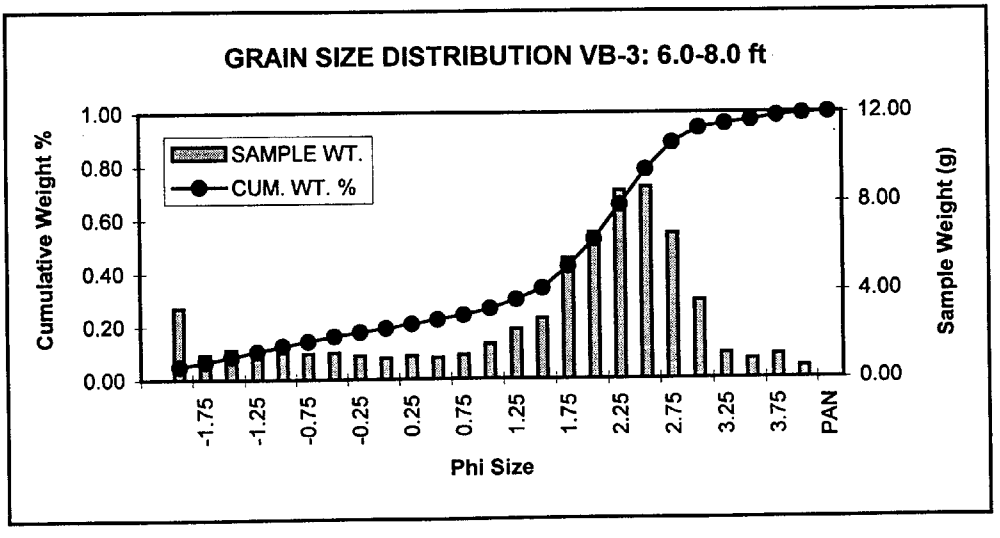


GRAIN SIZE DISTRIBUTION CHART

CORE VB-3 : 6.0-8.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	3.246	3.246	0.049493779	0.049493779
-1.75	1.129	4.375	0.017214565	0.066708343
-1.50	1.339	5.714	0.020416565	0.087124909
-1.25	1.194	6.908	0.018205660	0.105330568
-1.00	1.375	8.283	0.020965479	0.126296048
-0.75	1.158	9.441	0.017656746	0.143952793
-0.50	1.223	10.664	0.018647841	0.162600634
-0.25	1.067	11.731	0.016269212	0.178869846
0.00	0.955	12.686	0.014561478	0.193431325
0.25	1.056	13.742	0.016101488	0.209532813
0.50	0.987	14.729	0.015049402	0.224582215
0.75	1.109	15.838	0.016909612	0.241491827
1.00	1.579	17.417	0.024075994	0.265567821
1.25	2.241	19.658	0.034169919	0.299737741
1.50	2.720	22.378	0.041473530	0.341211271
1.75	5.448	27.826	0.083069041	0.424280312
2.00	6.602	34.428	0.100664796	0.524945109
2.25	8.477	42.905	0.129254086	0.654199195
2.50	8.659	51.564	0.132029153	0.786228348
2.75	6.565	58.129	0.100100634	0.886328983
3.00	3.538	61.667	0.053946084	0.940275067
3.25	1.141	62.808	0.017397536	0.957672603
3.50	0.871	63.679	0.013280678	0.970953281
3.75	1.057	64.736	0.016116736	0.987070017
4.00	0.515	65.251	0.007852525	0.994922542
PAN	0.333	65.584	0.005077458	1.0

TOTAL WT.	65.584	grams	
MEDIAN WT.	32.792	grams	
MEAN GRAIN SIZE	1.94	phi	0.2606 mm

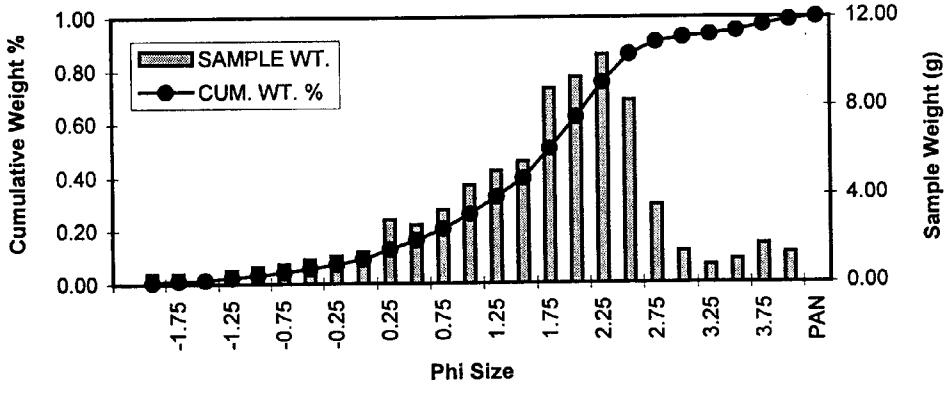


GRAIN SIZE DISTRIBUTION CHART

CORE VB-3 : 10.0-12.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.454	0.454	0.005766983	0.005766983
-1.75	0.474	0.928	0.006021036	0.011788019
-1.50	0.234	1.162	0.002972410	0.014760429
-1.25	0.605	1.767	0.007685077	0.022445506
-1.00	0.767	2.534	0.009742899	0.032188405
-0.75	0.891	3.425	0.011318022	0.043506428
-0.50	1.117	4.542	0.014188812	0.057695239
-0.25	1.274	5.816	0.016183121	0.073878360
0.00	1.448	7.264	0.018393374	0.092271734
0.25	2.881	10.145	0.036596210	0.128867944
0.50	2.649	12.794	0.033649205	0.162517149
0.75	3.332	16.126	0.042325085	0.204842234
1.00	4.439	20.565	0.056386871	0.261229104
1.25	5.090	25.655	0.064656267	0.325885372
1.50	5.495	31.150	0.069800823	0.395686195
1.75	8.786	39.936	0.111605101	0.507291296
2.00	9.321	49.257	0.118400996	0.625692292
2.25	10.302	59.559	0.130862253	0.756554545
2.50	8.262	67.821	0.104948936	0.861503481
2.75	3.543	71.364	0.045005335	0.906508816
3.00	1.445	72.809	0.018355267	0.924864082
3.25	0.808	73.617	0.010263706	0.935127788
3.50	1.063	74.680	0.013502871	0.948630659
3.75	1.775	76.455	0.022547127	0.971177786
4.00	1.350	77.805	0.017148519	0.988326305
PAN	0.919	78.724	0.011673695	1.0

TOTAL WT.	78.724	grams	
MEDIAN WT.	39.362	grams	
MEAN GRAIN SIZE	1.73	phi	0.3015 mm

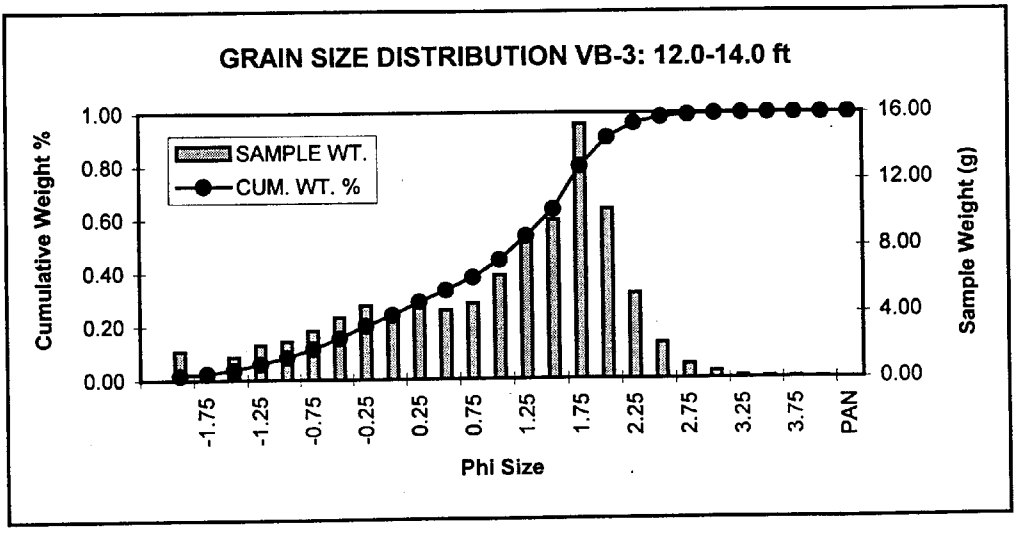


GRAIN SIZE DISTRIBUTION CHART

CORE VB-3 : 12.0-14.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.719	1.719	0.018072479	0.018072479
-1.75	0.610	2.329	0.006413154	0.024485633
-1.50	1.371	3.700	0.014413827	0.038899461
-1.25	2.094	5.794	0.022014992	0.060914453
-1.00	2.298	8.092	0.024159719	0.085074172
-0.75	2.942	11.034	0.030930328	0.116004500
-0.50	3.743	14.777	0.039351535	0.155356035
-0.25	4.440	19.217	0.046679353	0.202035388
0.00	3.797	23.014	0.039919257	0.241954645
0.25	4.640	27.654	0.048782026	0.290736672
0.50	4.146	31.800	0.043588423	0.334325094
0.75	4.567	36.367	0.048014551	0.382339645
1.00	6.251	42.618	0.065719062	0.448058707
1.25	8.517	51.135	0.089542353	0.537601060
1.50	9.550	60.685	0.100402662	0.638003722
1.75	15.328	76.013	0.161148901	0.799152623
2.00	10.228	86.241	0.107530725	0.906683348
2.25	5.135	91.376	0.053986143	0.960669491
2.50	2.151	93.527	0.022614254	0.983283745
2.75	0.826	94.353	0.008684042	0.991967787
3.00	0.392	94.745	0.004121240	0.996089027
3.25	0.124	94.869	0.001303658	0.997392685
3.50	0.077	94.946	0.000809529	0.998202214
3.75	0.051	94.997	0.000536182	0.998738396
4.00	0.046	95.043	0.000483615	0.999222011
PAN	0.074	95.117	0.000777989	1.0

TOTAL WT.	95.117	grams	
MEDIAN WT.	47.559	grams	
MEAN GRAIN SIZE	1.15	phi	0.4506 mm

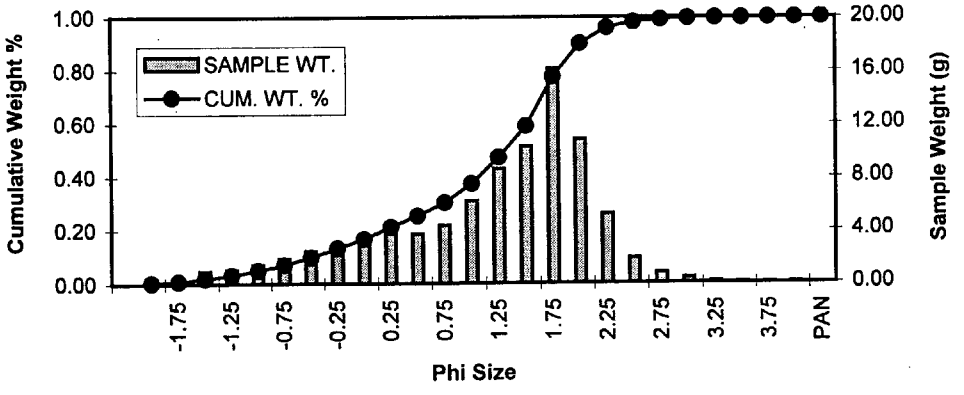


GRAIN SIZE DISTRIBUTION CHART

CORE VB-3 : 14.0-16.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.378	0.378	0.004332577	0.004332577
-1.75	0.502	0.880	0.005753845	0.010086422
-1.50	0.946	1.826	0.010842904	0.020929326
-1.25	1.066	2.892	0.012218325	0.033147651
-1.00	1.428	4.320	0.016367513	0.049515164
-0.75	1.879	6.199	0.021536804	0.071051968
-0.50	2.470	8.669	0.028310754	0.099362722
-0.25	2.875	11.544	0.032952800	0.132315522
0.00	2.971	14.515	0.034053137	0.166368659
0.25	3.910	18.425	0.044815808	0.211184467
0.50	3.699	22.124	0.042397359	0.253581826
0.75	4.346	26.470	0.049813172	0.303394998
1.00	6.195	32.665	0.071006121	0.374401119
1.25	8.626	41.291	0.098869862	0.473270981
1.50	10.291	51.582	0.117953832	0.591224813
1.75	16.139	67.721	0.184982693	0.776207505
2.00	10.840	78.561	0.124246384	0.900453889
2.25	5.224	83.785	0.059876671	0.960330560
2.50	1.905	85.690	0.021834812	0.982165371
2.75	0.795	86.485	0.009112166	0.991277537
3.00	0.399	86.884	0.004573276	0.995850813
3.25	0.122	87.006	0.001398345	0.997249158
3.50	0.071	87.077	0.000813791	0.998062948
3.75	0.052	87.129	0.000596016	0.998658964
4.00	0.047	87.176	0.000538707	0.999197671
PAN	0.070	87.246	0.000802329	1.0

TOTAL WT.	87.246	grams	
MEDIAN WT.	43.623	grams	
MEAN GRAIN SIZE	1.31	phi	0.4033 mm

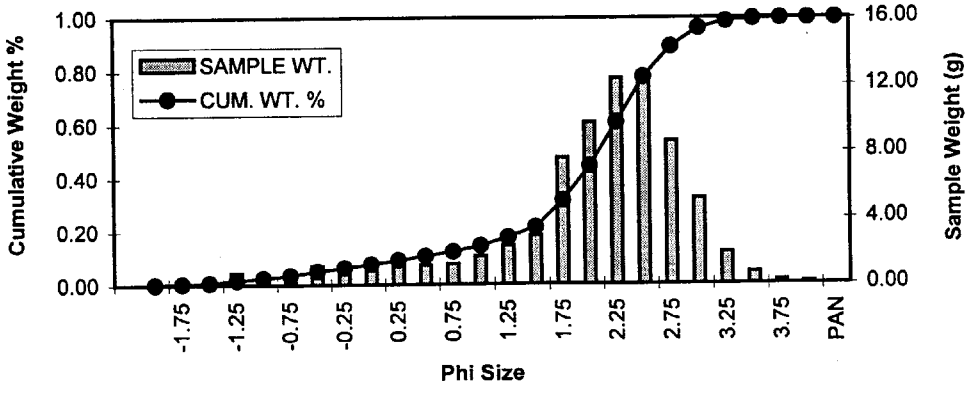


GRAIN SIZE DISTRIBUTION CHART

CORE VB-3 : 18.0-20.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.166	0.166	0.002197191	0.002197191
-1.75	0.235	0.401	0.003110482	0.005307673
-1.50	0.207	0.608	0.002739871	0.008047544
-1.25	0.695	1.303	0.009199084	0.017246628
-1.00	0.585	1.888	0.007743114	0.024989742
-0.75	0.786	2.674	0.010403568	0.035393310
-0.50	1.120	3.794	0.014824423	0.050217734
-0.25	0.950	4.744	0.012574288	0.062792021
0.00	1.031	5.775	0.013646411	0.076438432
0.25	1.179	6.954	0.015605353	0.092043785
0.50	1.152	8.106	0.015247978	0.107291763
0.75	1.216	9.322	0.016095088	0.123386851
1.00	1.717	11.039	0.022726370	0.146113222
1.25	2.340	13.379	0.030972456	0.177085677
1.50	2.947	16.326	0.039006764	0.216092441
1.75	7.611	23.937	0.100739898	0.316832338
2.00	9.721	33.658	0.128668052	0.445500390
2.25	12.374	46.032	0.163783405	0.609283795
2.50	12.713	58.745	0.168270440	0.777554235
2.75	8.624	67.369	0.114148059	0.891702294
3.00	5.174	72.543	0.068483541	0.960185835
3.25	1.906	74.449	0.025227992	0.985413826
3.50	0.697	75.146	0.009225556	0.994639383
3.75	0.218	75.364	0.002885468	0.997524851
4.00	0.095	75.459	0.001257429	0.998782280
PAN	0.092	75.551	0.001217720	1.0

TOTAL WT.	75.551	grams	
MEDIAN WT.	37.776	grams	
MEAN GRAIN SIZE	2.08	phi	0.2365 mm

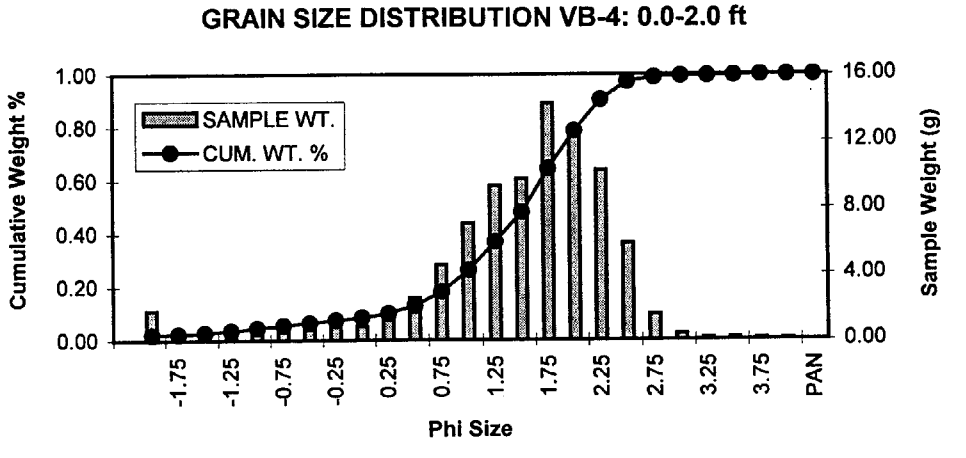


GRAIN SIZE DISTRIBUTION CHART

CORE VB-4: 0.0-2.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	1.769	1.769	0.020271819	0.020271819
-1.75	0.233	2.002	0.002670059	0.022941878
-1.50	0.404	2.406	0.004629630	0.027571507
-1.25	0.782	3.188	0.008961313	0.036532820
-1.00	0.825	4.013	0.009454070	0.045986890
-0.75	0.863	4.876	0.009889531	0.055876421
-0.50	0.841	5.717	0.009637422	0.065513843
-0.25	0.889	6.606	0.010187477	0.075701320
0.00	0.852	7.458	0.009763476	0.085464796
0.25	1.446	8.904	0.016570407	0.102035204
0.50	2.531	11.435	0.029003942	0.131039146
0.75	4.543	15.978	0.052060414	0.183099560
1.00	7.056	23.034	0.080858086	0.263957646
1.25	9.332	32.366	0.106939861	0.370897506
1.50	9.716	42.082	0.111340301	0.482237807
1.75	14.242	56.324	0.163205904	0.645443711
2.00	12.409	68.733	0.142200678	0.787644389
2.25	10.241	78.974	0.117356527	0.905000917
2.50	5.839	84.813	0.066911900	0.971912816
2.75	1.545	86.358	0.017704895	0.989617712
3.00	0.345	86.703	0.003953520	0.993571232
3.25	0.140	86.843	0.001604327	0.995175559
3.50	0.150	86.993	0.001718922	0.996894481
3.75	0.115	87.108	0.001317840	0.998212321
4.00	0.083	87.191	0.000951137	0.999163458
PAN	0.073	87.264	0.000836542	1.0

TOTAL WT.	87.264	grams	
MEDIAN WT.	43.632	grams	
MEAN GRAIN SIZE	1.53	phi	0.3463 mm

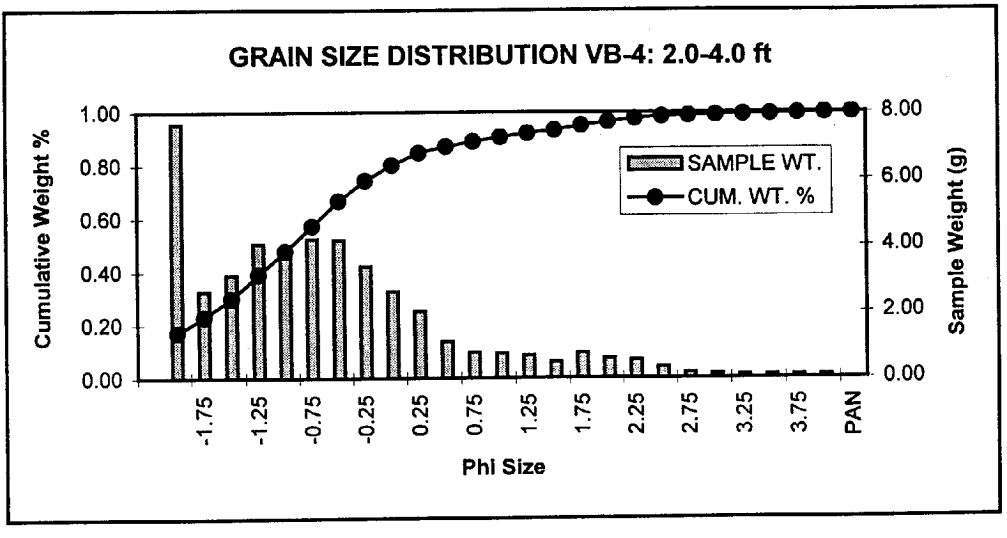


GRAIN SIZE DISTRIBUTION CHART

CORE VB-4: 2.0-4.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	7.651	7.651	0.171766608	0.171766608
-1.75	2.614	10.265	0.058684866	0.230451474
-1.50	3.105	13.370	0.069707923	0.300159397
-1.25	4.062	17.432	0.091192780	0.391352177
-1.00	3.939	21.371	0.088431403	0.479783580
-0.75	4.206	25.577	0.094425611	0.574209191
-0.50	4.178	29.755	0.093797005	0.668006196
-0.25	3.374	33.129	0.075747031	0.743753227
0.00	2.605	35.734	0.058482814	0.802236042
0.25	2.010	37.744	0.045124935	0.847360977
0.50	1.103	38.847	0.024762589	0.872123566
0.75	0.778	39.625	0.017466269	0.889589835
1.00	0.756	40.381	0.016972364	0.906562198
1.25	0.687	41.068	0.015423299	0.921985497
1.50	0.479	41.547	0.010753654	0.932739151
1.75	0.764	42.311	0.017151966	0.949891116
2.00	0.596	42.907	0.013380329	0.963271446
2.25	0.539	43.446	0.012100667	0.975372112
2.50	0.333	43.779	0.007475922	0.982848034
2.75	0.155	43.934	0.003479784	0.986327818
3.00	0.124	44.058	0.002783827	0.989111645
3.25	0.087	44.145	0.001953169	0.991064814
3.50	0.100	44.245	0.002245022	0.993309835
3.75	0.083	44.328	0.001863368	0.995173203
4.00	0.086	44.414	0.001930719	0.997103922
PAN	0.129	44.543	0.002896078	1.0

TOTAL WT.	44.543	grams	
MEDIAN WT.	22.272	grams	
MEAN GRAIN SIZE	-0.95	phi	1.9319 mm

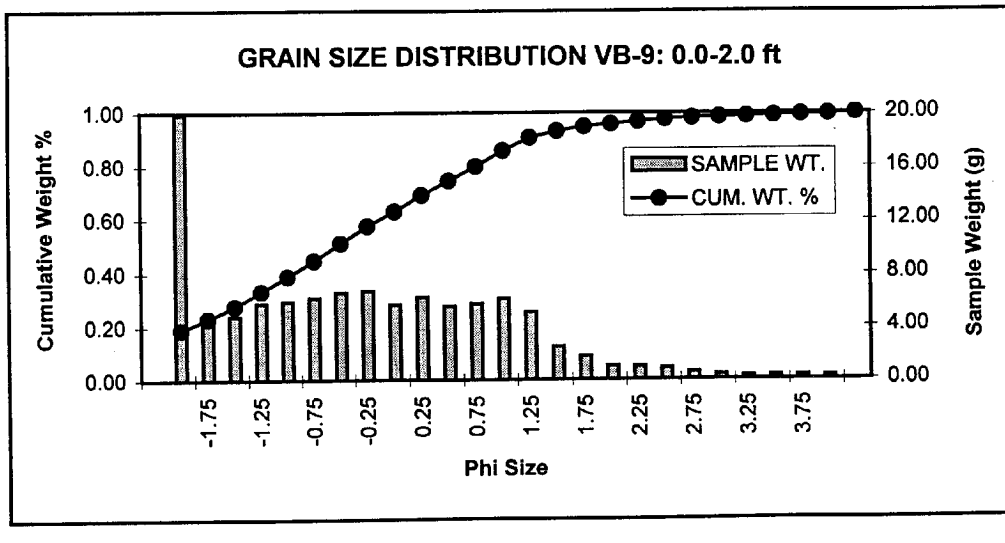


GRAIN SIZE DISTRIBUTION CHART

CORE VB-9: 0.0-2.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	19.874	19.874	0.190892413	0.190892413
-1.75	4.266	24.140	0.040975497	0.231867910
-1.50	4.786	28.926	0.045970166	0.277838077
-1.25	5.782	34.708	0.055536879	0.333374956
-1.00	5.899	40.607	0.056660679	0.390035635
-0.75	6.212	46.819	0.059667086	0.449702721
-0.50	6.593	53.412	0.063326642	0.513029363
-0.25	6.722	60.134	0.064565704	0.577595067
0.00	5.680	65.814	0.054557155	0.632152222
0.25	6.223	72.037	0.059772743	0.691924965
0.50	5.547	77.584	0.053279673	0.745204637
0.75	5.692	83.276	0.054672417	0.799877054
1.00	6.120	89.396	0.058783414	0.858660468
1.25	5.073	94.469	0.048726840	0.907387308
1.50	2.456	96.925	0.023590207	0.930977514
1.75	1.761	98.686	0.016914639	0.947892154
2.00	1.027	99.713	0.009864472	0.957756625
2.25	0.967	100.680	0.009288164	0.967044789
2.50	0.871	101.551	0.008366071	0.975410860
2.75	0.555	102.106	0.005330849	0.980741708
3.00	0.389	102.495	0.003736397	0.984478105
3.25	0.248	102.743	0.002382073	0.986860178
3.50	0.296	103.039	0.002843119	0.989703297
3.75	0.301	103.340	0.002891145	0.992594442
4.00	0.252	103.592	0.002420494	0.995014936
PAN	0.519	104.111	0.004985064	1.0

TOTAL WT.	104.111	grams	
MEDIAN WT.	52.056	grams	
MEAN GRAIN SIZE	-0.055	phi	1.4641 mm

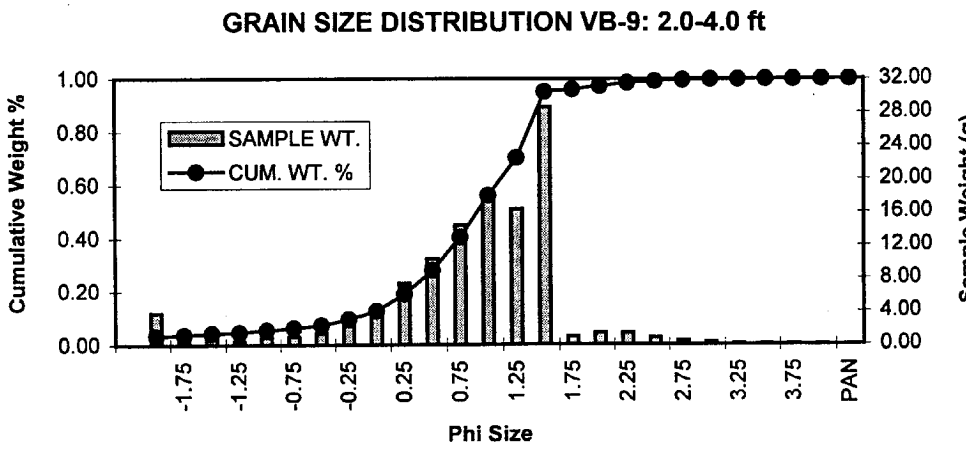


GRAIN SIZE DISTRIBUTION CHART

CORE VB-9: 2.0-4.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	3.779	3.779	0.032677308	0.032677308
-1.75	0.444	4.223	0.003839303	0.036516611
-1.50	0.715	4.938	0.006182661	0.042699272
-1.25	0.409	5.347	0.003536655	0.046235927
-1.00	0.893	6.240	0.007721841	0.053957768
-0.75	0.974	7.214	0.008422254	0.062380022
-0.50	1.373	8.587	0.011872438	0.074252460
-0.25	2.455	11.042	0.021228577	0.095481037
0.00	3.666	14.708	0.031700189	0.127181225
0.25	7.403	22.111	0.064014320	0.191195545
0.50	10.402	32.513	0.089946907	0.281142452
0.75	14.423	46.936	0.124716808	0.405859260
1.00	18.125	65.061	0.156728292	0.562587552
1.25	16.384	81.445	0.141673728	0.704261280
1.50	28.607	110.052	0.247366965	0.951628245
1.75	0.962	111.014	0.008318489	0.959946734
2.00	1.400	112.414	0.012105909	0.972052643
2.25	1.375	113.789	0.011889732	0.983942376
2.50	0.796	114.585	0.006883074	0.990825450
2.75	0.459	115.044	0.003969009	0.994794459
3.00	0.272	115.316	0.002352005	0.997146464
3.25	0.120	115.436	0.001037649	0.998184114
3.50	0.067	115.503	0.000579354	0.998763468
3.75	0.066	115.569	0.000570707	0.999334175
4.00	0.054	115.623	0.000466942	0.999801117
PAN	0.023	115.646	0.000198883	1.0

TOTAL WT.	115.646	grams	
MEDIAN WT.	57.823	grams	
MEAN GRAIN SIZE	0.9	phi	0.5359 mm

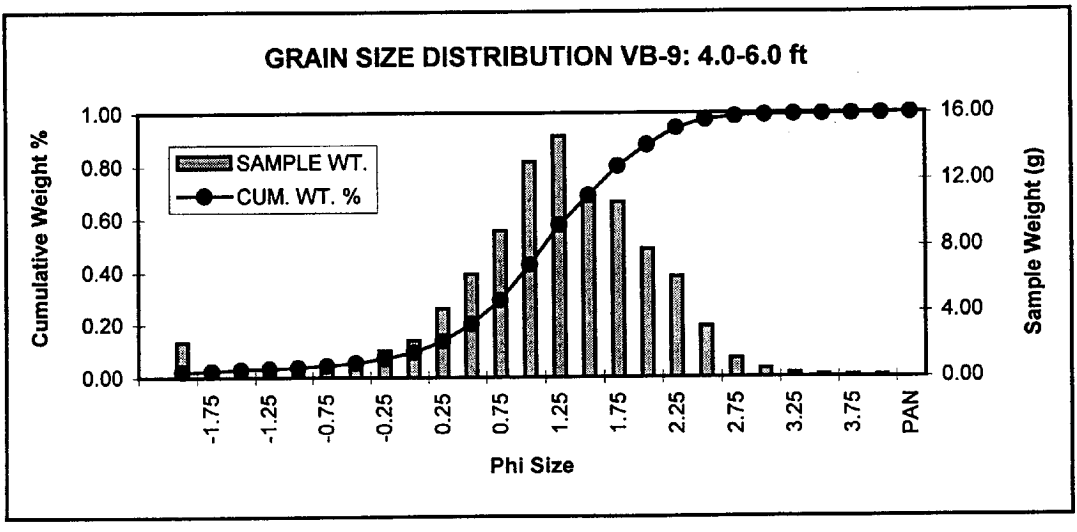


GRAIN SIZE DISTRIBUTION CHART

CORE VB-9: 4.0-6.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	2.126	2.126	0.021871978	0.021871978
-1.75	0.244	2.370	0.002510236	0.024382214
-1.50	0.554	2.924	0.005699471	0.030081686
-1.25	0.345	3.269	0.003549310	0.033630995
-1.00	0.484	3.753	0.004979321	0.038610317
-0.75	0.543	4.296	0.005586305	0.044196621
-0.50	1.058	5.354	0.010884550	0.055081171
-0.25	1.609	6.963	0.016553157	0.071634329
0.00	2.221	9.184	0.022849324	0.094483653
0.25	4.191	13.375	0.043116397	0.137600049
0.50	6.305	19.680	0.064864920	0.202464970
0.75	8.905	28.585	0.091613341	0.294078311
1.00	13.054	41.639	0.134297648	0.428375959
1.25	14.608	56.247	0.150284974	0.578660933
1.50	10.843	67.090	0.111551203	0.690212136
1.75	10.629	77.719	0.109349602	0.799561737
2.00	7.786	85.505	0.080101232	0.879662970
2.25	6.125	91.630	0.063013107	0.942676077
2.50	3.101	94.731	0.031902636	0.974578712
2.75	1.133	95.864	0.011656139	0.986234851
3.00	0.519	96.383	0.005339396	0.991574247
3.25	0.228	96.611	0.002345631	0.993919878
3.50	0.144	96.755	0.001481451	0.995401329
3.75	0.124	96.879	0.001275694	0.996677023
4.00	0.103	96.982	0.001059649	0.997736672
PAN	0.220	97.202	0.002263328	1.0

TOTAL WT.	97.202	grams	
MEDIAN WT.	48.601	grams	
MEAN GRAIN SIZE	1.12	phi	0.4601 mm

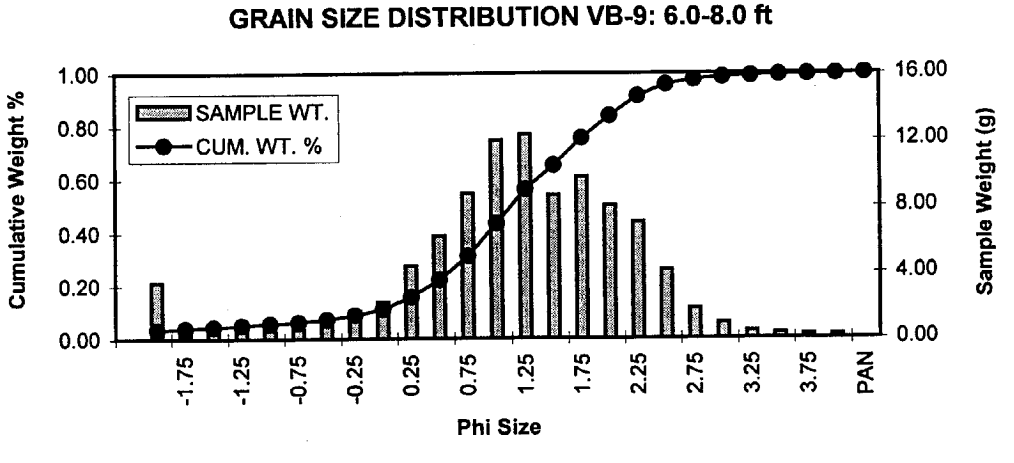


GRAIN SIZE DISTRIBUTION CHART

CORE VB-9: 6.0-8.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	3.424	3.424	0.035434497	0.035434497
-1.75	0.441	3.865	0.004563847	0.039998344
-1.50	0.445	4.310	0.004605243	0.044603587
-1.25	0.635	4.945	0.006571526	0.051175113
-1.00	0.512	5.457	0.005298616	0.056473729
-0.75	0.564	6.021	0.005836757	0.062310486
-0.50	0.943	6.964	0.009758975	0.072069462
-0.25	1.680	8.644	0.017386085	0.089455546
0.00	2.227	10.871	0.023046911	0.112502458
0.25	4.423	15.294	0.045773008	0.158275466
0.50	6.251	21.545	0.064690724	0.222966190
0.75	8.786	30.331	0.090925085	0.313891275
1.00	11.972	42.303	0.123896553	0.437787828
1.25	12.307	54.610	0.127363421	0.565151249
1.50	8.691	63.301	0.089941943	0.655093191
1.75	9.796	73.097	0.101377433	0.756470625
2.00	8.066	81.163	0.083473905	0.839944530
2.25	7.057	88.220	0.073031906	0.912976436
2.50	4.159	92.379	0.043040909	0.956017345
2.75	1.808	94.187	0.018710739	0.974728084
3.00	0.944	95.131	0.009769324	0.984497408
3.25	0.439	95.570	0.004543150	0.989040557
3.50	0.315	95.885	0.003259891	0.992300448
3.75	0.239	96.124	0.002473378	0.994773826
4.00	0.223	96.347	0.002307796	0.997081621
PAN	0.282	96.629	0.002918379	1.0

TOTAL WT.	96.629	grams	
MEDIAN WT.	48.315	grams	
MEAN GRAIN SIZE	1.12	phi	0.4601 mm

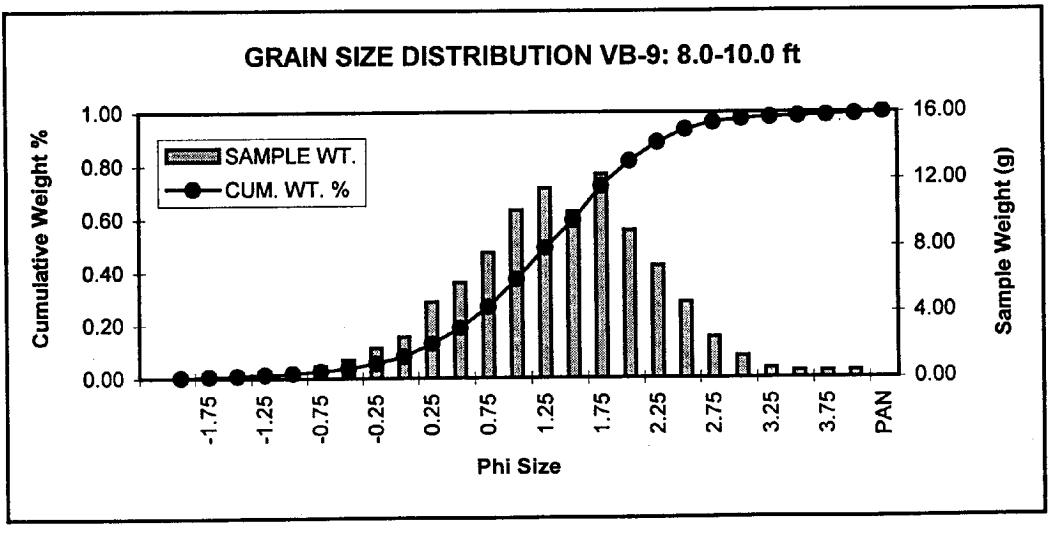


GRAIN SIZE DISTRIBUTION CHART

CORE VB-9: 8.0-10.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.225	0.225	0.002333686	0.002333686
-1.75	0.303	0.528	0.003142697	0.005476383
-1.50	0.323	0.851	0.003350136	0.008826519
-1.25	0.414	1.265	0.004293982	0.013120501
-1.00	0.459	1.724	0.004760719	0.017881221
-0.75	0.729	2.453	0.007561143	0.025442363
-0.50	1.113	3.566	0.011543967	0.036986330
-0.25	1.832	5.398	0.019001390	0.055987720
0.00	2.506	7.904	0.025992076	0.081979795
0.25	4.617	12.521	0.047887236	0.129867032
0.50	5.804	18.325	0.060198726	0.190065758
0.75	7.615	25.940	0.078982305	0.269048064
1.00	10.144	36.084	0.105212936	0.374260999
1.25	11.435	47.519	0.118603107	0.492864107
1.50	10.052	57.571	0.104258718	0.597122824
1.75	12.291	69.862	0.127481486	0.724604311
2.00	8.951	78.813	0.092839214	0.817443525
2.25	6.816	85.629	0.070695127	0.888138652
2.50	4.583	90.212	0.047534590	0.935673242
2.75	2.447	92.659	0.025380132	0.961053374
3.00	1.294	93.953	0.013421287	0.974474661
3.25	0.565	94.518	0.005860145	0.980334806
3.50	0.384	94.902	0.003982824	0.984317630
3.75	0.398	95.300	0.004128031	0.988445661
4.00	0.426	95.726	0.004418445	0.992864107
PAN	0.688	96.414	0.007135893	1.0

TOTAL WT.	96.414	grams	
MEDIAN WT.	48.207	grams	
MEAN GRAIN SIZE	1.27	phi	0.4147 mm

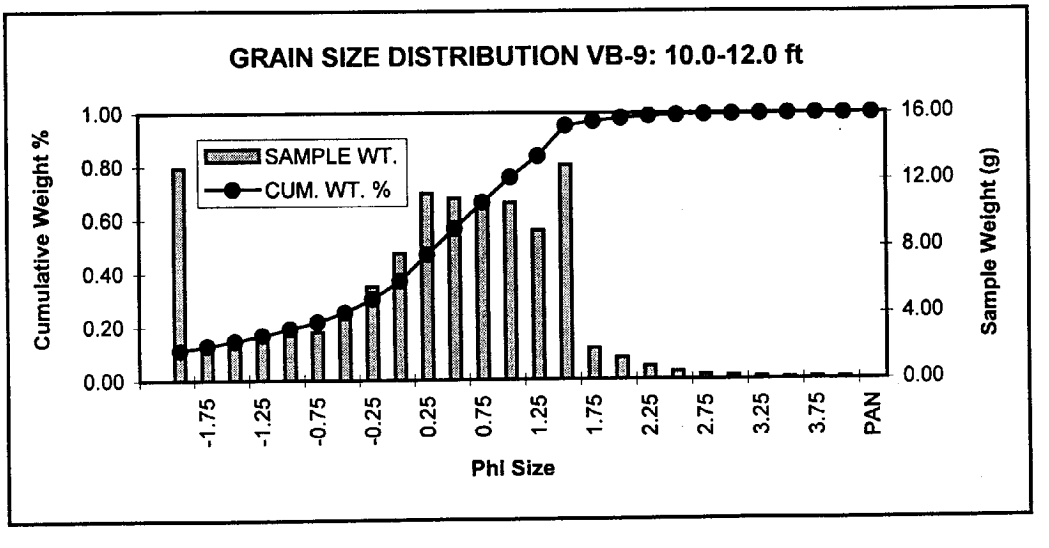


GRAIN SIZE DISTRIBUTION CHART

CORE VB-9: 10.0-12.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	12.687	12.687	0.112507316	0.112507316
-1.75	1.971	14.658	0.017478673	0.129985989
-1.50	1.964	16.622	0.017416597	0.147402586
-1.25	2.455	19.077	0.021770747	0.169173332
-1.00	2.702	21.779	0.023961123	0.193134455
-0.75	2.898	24.677	0.025699236	0.218833691
-0.50	4.052	28.729	0.035932817	0.254766508
-0.25	5.625	34.354	0.049882057	0.304648564
0.00	7.613	41.967	0.067511484	0.372160048
0.25	11.178	53.145	0.099125623	0.471285671
0.50	10.877	64.022	0.096456379	0.567742050
0.75	10.910	74.932	0.096749020	0.664491070
1.00	10.614	85.546	0.094124115	0.758615185
1.25	8.974	94.520	0.079580725	0.838195910
1.50	12.869	107.389	0.114121278	0.952317188
1.75	1.879	109.268	0.016662824	0.968980012
2.00	1.308	110.576	0.011599241	0.980579253
2.25	0.783	111.359	0.006943582	0.987522835
2.50	0.436	111.795	0.003866414	0.991389249
2.75	0.264	112.059	0.002341131	0.993730380
3.00	0.208	112.267	0.001844528	0.995574907
3.25	0.136	112.403	0.001206037	0.996780945
3.50	0.082	112.485	0.000727170	0.997508114
3.75	0.088	112.573	0.000780377	0.998288491
4.00	0.098	112.671	0.000869056	0.999157547
PAN	0.095	112.766	0.000842453	1.0

TOTAL WT.	112.766	grams	
MEDIAN WT.	56.383	grams	
MEAN GRAIN SIZE	0.32	phi	0.8011 mm

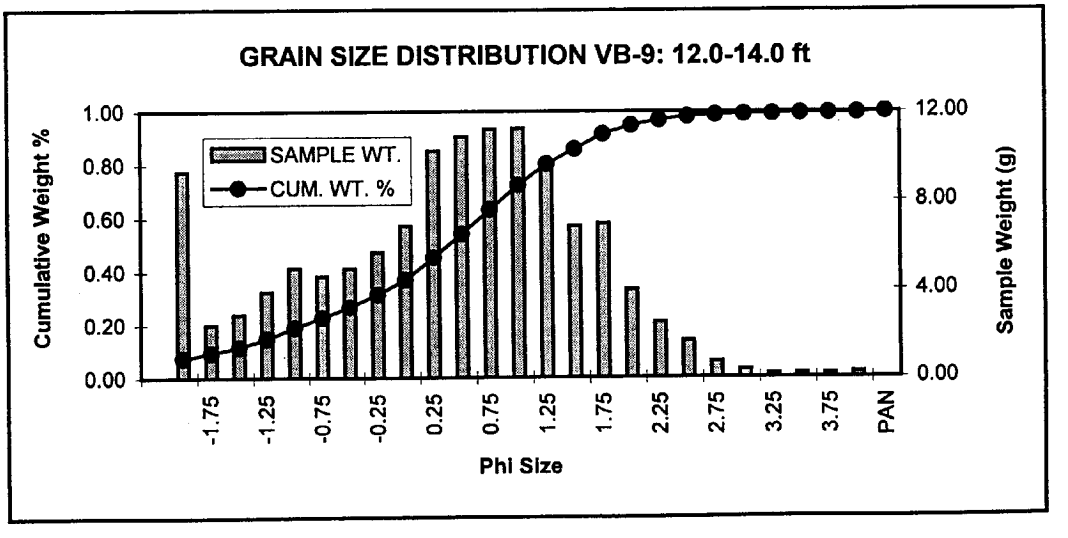


GRAIN SIZE DISTRIBUTION CHART

CORE VB-9: 12.0-14.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	9.292	9.292	0.075528750	0.075528750
-1.75	2.403	11.695	0.019532457	0.095061207
-1.50	2.887	14.582	0.023466584	0.118527791
-1.25	3.913	18.495	0.031806285	0.150334076
-1.00	4.969	23.464	0.040389836	0.190723912
-0.75	4.609	28.073	0.037463626	0.228187538
-0.50	4.961	33.034	0.040324809	0.268512347
-0.25	5.687	38.721	0.046226001	0.314738348
0.00	6.855	45.576	0.055719929	0.370458277
0.25	10.233	55.809	0.083177540	0.453635817
0.50	10.869	66.678	0.088347179	0.541982995
0.75	11.221	77.899	0.091208362	0.633191358
1.00	11.243	89.142	0.091387186	0.724578544
1.25	9.638	98.780	0.078341164	0.802919708
1.50	6.859	105.639	0.055752443	0.858672151
1.75	6.973	112.612	0.056679076	0.915351227
2.00	3.993	116.605	0.032456554	0.947807780
2.25	2.515	119.120	0.020442833	0.968250614
2.50	1.675	120.795	0.013615008	0.981865622
2.75	0.745	121.540	0.006055631	0.987921252
3.00	0.356	121.896	0.002893697	0.990814950
3.25	0.163	122.059	0.001324923	0.992139873
3.50	0.188	122.247	0.001528132	0.993668005
3.75	0.178	122.425	0.001446849	0.995114854
4.00	0.227	122.652	0.001845138	0.996959992
PAN	0.374	123.026	0.003040008	1.0

TOTAL WT.	123.026	grams	
MEDIAN WT.	61.513	grams	
MEAN GRAIN SIZE	0.38	phi	0.7684 mm

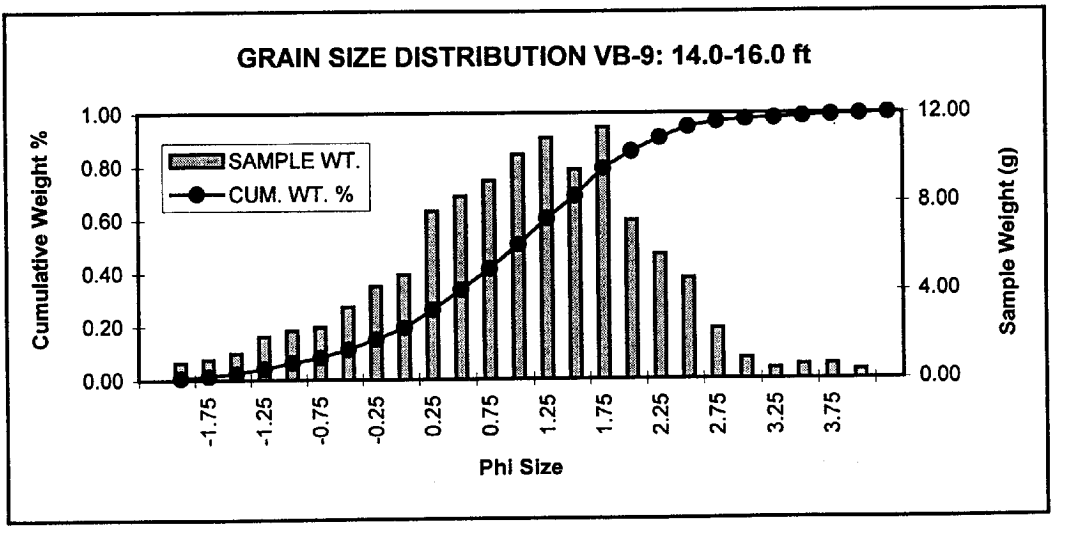


GRAIN SIZE DISTRIBUTION CHART

CORE VB-9: 14.0-16.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.772	0.772	0.006927432	0.006927432
-1.75	0.908	1.680	0.008147809	0.015075242
-1.50	1.208	2.888	0.010839817	0.025915058
-1.25	1.975	4.863	0.017722382	0.043637440
-1.00	2.212	7.075	0.019849068	0.063486509
-0.75	2.384	9.459	0.021392486	0.084878994
-0.50	3.272	12.731	0.029360828	0.114239822
-0.25	4.222	16.953	0.037885518	0.152125340
0.00	4.736	21.689	0.042497824	0.194623164
0.25	7.575	29.264	0.067973188	0.262596351
0.50	8.244	37.508	0.073976364	0.336572716
0.75	8.944	46.452	0.080257715	0.416830430
1.00	10.127	56.579	0.090873197	0.507703628
1.25	10.877	67.456	0.097603216	0.605306844
1.50	9.456	76.912	0.084852074	0.690158918
1.75	11.357	88.269	0.101910428	0.792069346
2.00	7.165	95.434	0.064294111	0.856363457
2.25	5.654	101.088	0.050735367	0.907098824
2.50	4.575	105.663	0.041053113	0.948151937
2.75	2.276	107.939	0.020423363	0.968575300
3.00	0.937	108.876	0.008408037	0.976983336
3.25	0.462	109.338	0.004145691	0.981129028
3.50	0.621	109.959	0.005572455	0.986701483
3.75	0.649	110.608	0.005823709	0.992525193
4.00	0.387	110.995	0.003472690	0.995997882
PAN	0.446	111.441	0.004002118	1.0

TOTAL WT.	111.441	grams	
MEDIAN WT.	55.721	grams	
MEAN GRAIN SIZE	0.98	phi	0.5070 mm

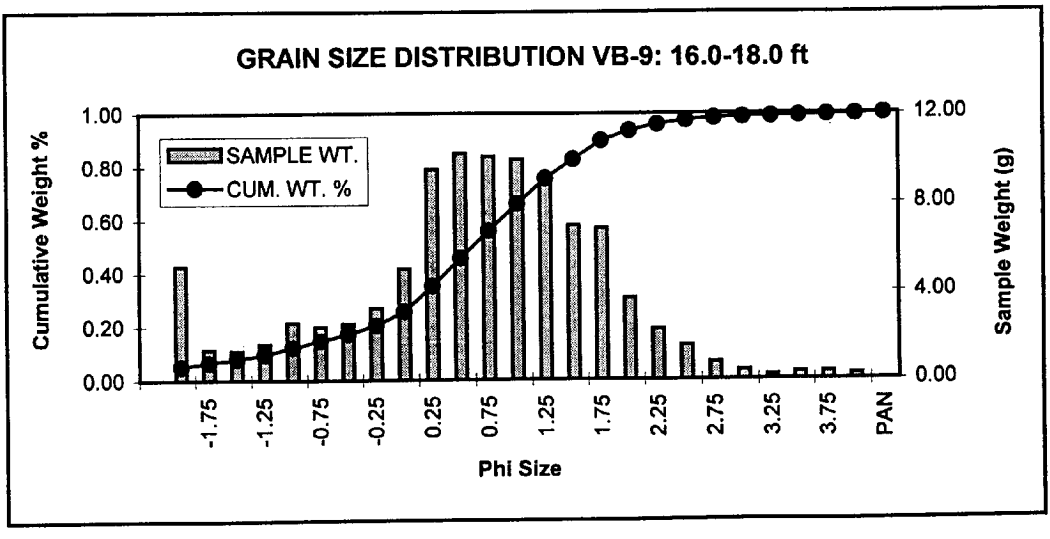


GRAIN SIZE DISTRIBUTION CHART

CORE VB-9: 16-18.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	5.133	5.133	0.052416061	0.052416061
-1.75	1.356	6.489	0.013846908	0.066262969
-1.50	1.321	7.810	0.013489502	0.079752471
-1.25	1.617	9.427	0.016512131	0.096264603
-1.00	2.561	11.988	0.026151867	0.122416469
-0.75	2.394	14.382	0.024446532	0.146863001
-0.50	2.516	16.898	0.025692345	0.172555347
-0.25	3.227	20.125	0.032952782	0.205508128
0.00	5.021	25.146	0.051272363	0.256780492
0.25	9.496	34.642	0.096969202	0.353749694
0.50	10.210	44.852	0.104260273	0.458009967
0.75	10.067	54.919	0.102800016	0.560809983
1.00	9.951	64.870	0.101615473	0.662425455
1.25	9.178	74.048	0.093721918	0.756147374
1.50	6.989	81.037	0.071368761	0.827516134
1.75	6.847	87.884	0.069918716	0.897434850
2.00	3.688	91.572	0.037660322	0.935095172
2.25	2.267	93.839	0.023149661	0.958244833
2.50	1.528	95.367	0.015603300	0.973848133
2.75	0.766	96.133	0.007822073	0.981670207
3.00	0.399	96.532	0.004074422	0.985744629
3.25	0.193	96.725	0.001970836	0.987715464
3.50	0.314	97.039	0.003206437	0.990921902
3.75	0.335	97.374	0.003420881	0.994342782
4.00	0.244	97.618	0.002491627	0.996834409
PAN	0.310	97.928	0.003165591	1.0

TOTAL WT.	97.928	grams	
MEDIAN WT.	48.964	grams	
MEAN GRAIN SIZE	0.6	phi	0.6598 mm

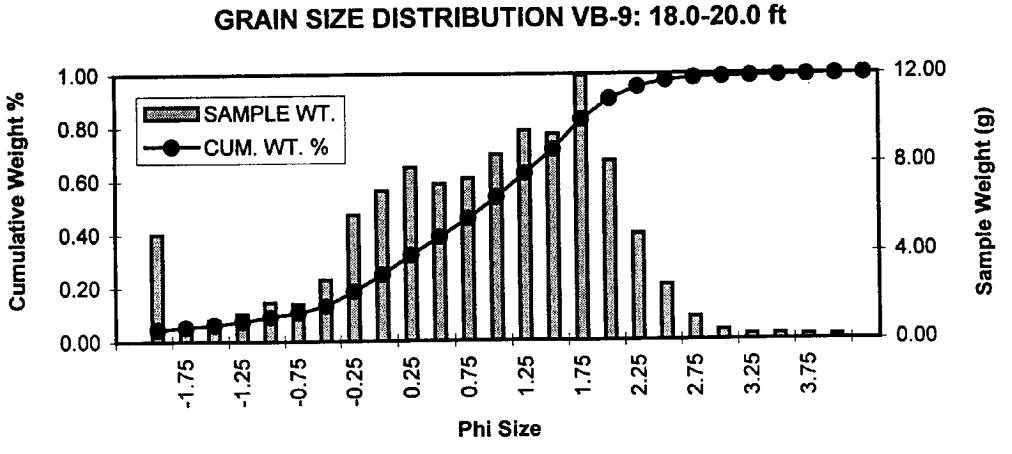


GRAIN SIZE DISTRIBUTION CHART

CORE VB-9: 18.0-20.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	4.823	4.823	0.045653758	0.045653758
-1.75	0.732	5.555	0.006928997	0.052582755
-1.50	0.961	6.516	0.009096675	0.061679430
-1.25	1.246	7.762	0.011794440	0.073473870
-1.00	1.745	9.507	0.016517895	0.089991765
-0.75	1.664	11.171	0.015751162	0.105742927
-0.50	2.758	13.929	0.026106794	0.131849720
-0.25	5.689	19.618	0.053851178	0.185700898
0.00	6.759	26.377	0.063979630	0.249680528
0.25	7.805	34.182	0.073880901	0.323561429
0.50	7.058	41.240	0.066809916	0.390371345
0.75	7.295	48.535	0.069053321	0.459424666
1.00	8.381	56.916	0.079333226	0.538757892
1.25	9.452	66.368	0.089471143	0.628229036
1.50	9.298	75.666	0.088013404	0.716242439
1.75	11.905	87.571	0.112690855	0.828933294
2.00	8.072	95.643	0.076408281	0.905341575
2.25	4.810	100.453	0.045530702	0.950872277
2.50	2.484	102.937	0.023513153	0.974385430
2.75	1.035	103.972	0.009797147	0.984182577
3.00	0.442	104.414	0.004183902	0.988366480
3.25	0.239	104.653	0.002262336	0.990628816
3.50	0.262	104.915	0.002480051	0.993108867
3.75	0.234	105.149	0.002215007	0.995323874
4.00	0.192	105.341	0.001817442	0.997141316
PAN	0.302	105.643	0.002858684	1.0

TOTAL WT.	105.643	grams	
MEDIAN WT.	52.822	grams	
MEAN GRAIN SIZE	0.88	phi	0.5434 mm

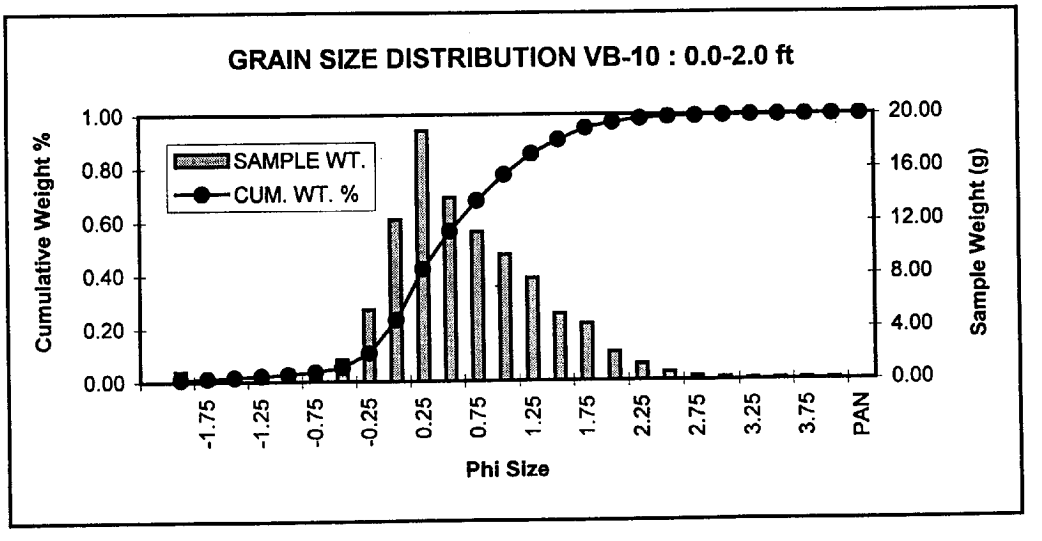


GRAIN SIZE DISTRIBUTION CHART

CORE VB-10: 0.0-2.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.802	0.802	0.008165343	0.008165343
-1.75	0.387	1.189	0.003940134	0.012105477
-1.50	0.490	1.679	0.004988801	0.017094278
-1.25	0.442	2.121	0.004500102	0.021594380
-1.00	0.631	2.752	0.006424353	0.028018733
-0.75	0.762	3.514	0.007758094	0.035776828
-0.50	1.662	5.176	0.016921197	0.052698025
-0.25	5.406	10.582	0.055039707	0.107737732
0.00	12.177	22.759	0.123976787	0.231714518
0.25	18.815	41.574	0.191559764	0.423274282
0.50	13.775	55.349	0.140246386	0.563520668
0.75	11.235	66.584	0.114386072	0.677906740
1.00	9.525	76.109	0.096976176	0.774882916
1.25	7.772	83.881	0.079128487	0.854011403
1.50	5.062	88.943	0.051537365	0.905548768
1.75	4.295	93.238	0.043728365	0.949277133
2.00	2.177	95.415	0.022164529	0.971441662
2.25	1.260	96.675	0.012828345	0.984270006
2.50	0.596	97.271	0.006068011	0.990338017
2.75	0.272	97.543	0.002769293	0.993107310
3.00	0.163	97.706	0.001659540	0.994766850
3.25	0.102	97.808	0.001038485	0.995805335
3.50	0.101	97.909	0.001028304	0.996833639
3.75	0.094	98.003	0.000957035	0.997790674
4.00	0.085	98.088	0.000865404	0.998656078
PAN	0.132	98.220	0.001343922	1.0

TOTAL WT.	98.220	grams	
MEDIAN WT.	49.110	grams	
MEAN GRAIN SIZE	0.39	phi	0.7631 mm

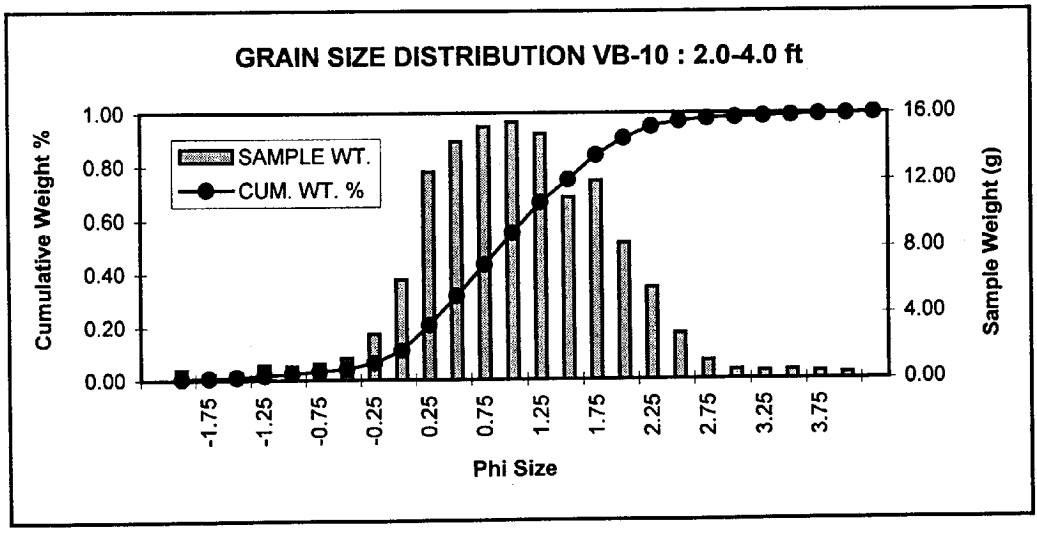


GRAIN SIZE DISTRIBUTION CHART

CORE VB-10: 2.0-4.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.613	0.613	0.004719305	0.004719305
-1.75	0.365	0.978	0.002810027	0.007529332
-1.50	0.473	1.451	0.003641487	0.011170819
-1.25	0.906	2.357	0.006975025	0.018145844
-1.00	0.848	3.205	0.006528501	0.024674345
-0.75	1.024	4.229	0.007883472	0.032557817
-0.50	1.328	5.557	0.010223878	0.042781696
-0.25	2.786	8.343	0.021448588	0.064230284
0.00	6.053	14.396	0.046600253	0.110830536
0.25	12.495	26.891	0.096195301	0.207025837
0.50	14.274	41.165	0.109891294	0.316917131
0.75	15.171	56.336	0.116797031	0.433714163
1.00	15.450	71.786	0.118944970	0.552659132
1.25	14.759	86.545	0.113625166	0.666284298
1.50	10.956	97.501	0.084346996	0.750631294
1.75	11.949	109.450	0.091991809	0.842623102
2.00	8.231	117.681	0.063368029	0.905991131
2.25	5.558	123.239	0.042789394	0.948780525
2.50	2.794	126.033	0.021510178	0.970290703
2.75	1.125	127.158	0.008661041	0.978951745
3.00	0.555	127.713	0.004272780	0.983224525
3.25	0.452	128.165	0.003479814	0.986704339
3.50	0.517	128.682	0.003980230	0.990684569
3.75	0.450	129.132	0.003464417	0.994148985
4.00	0.329	129.461	0.002532873	0.996681859
PAN	0.431	129.892	0.003318141	1.0

TOTAL WT.	129.892	grams	
MEDIAN WT.	64.946	grams	
MEAN GRAIN SIZE	0.89	phi	0.5396 mm

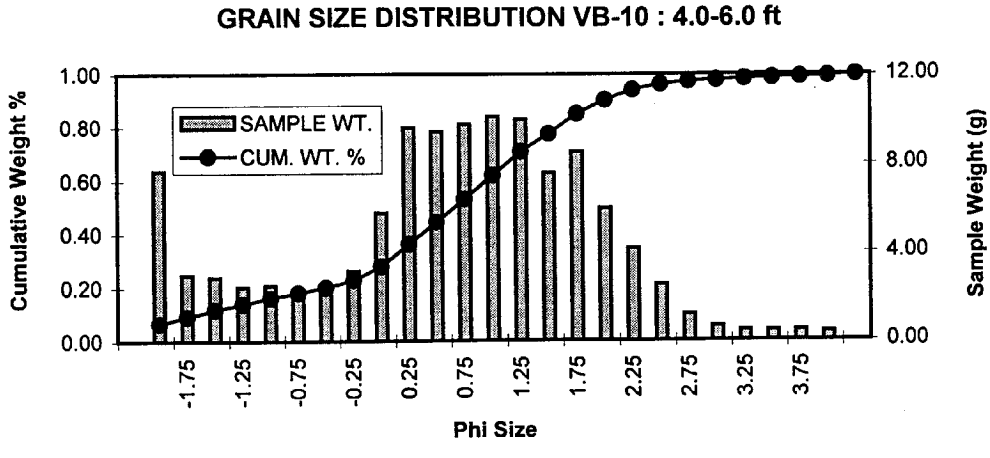


GRAIN SIZE DISTRIBUTION CHART

CORE VB-10: 4.0-6.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	7.646	7.646	0.067405429	0.067405429
-1.75	2.979	10.625	0.026262199	0.093667628
-1.50	2.853	13.478	0.025151411	0.118819039
-1.25	2.440	15.918	0.021510495	0.140329534
-1.00	2.489	18.407	0.021942468	0.162272002
-0.75	2.171	20.578	0.019139051	0.181411053
-0.50	2.165	22.743	0.019086157	0.200497210
-0.25	3.146	25.889	0.027734434	0.228231643
0.00	5.759	31.648	0.050770058	0.279001701
0.25	9.609	41.257	0.084710798	0.363712500
0.50	9.405	50.662	0.082912380	0.446624880
0.75	9.731	60.393	0.085786323	0.532411203
1.00	10.091	70.484	0.088960003	0.621371206
1.25	9.963	80.447	0.087831583	0.709202789
1.50	7.564	88.011	0.066682535	0.775885324
1.75	8.524	96.535	0.075145681	0.851031005
2.00	5.973	102.508	0.052656634	0.903687639
2.25	4.169	106.677	0.036752973	0.940440613
2.50	2.523	109.200	0.022242205	0.962682817
2.75	1.180	110.380	0.010402617	0.973085434
3.00	0.646	111.026	0.005694992	0.978780425
3.25	0.466	111.492	0.004108152	0.982888577
3.50	0.450	111.942	0.003967100	0.986855677
3.75	0.458	112.400	0.004037626	0.990893303
4.00	0.396	112.796	0.003491048	0.994384350
PAN	0.637	113.433	0.005615650	1.0

TOTAL WT.	113.433	grams	
MEDIAN WT.	56.717	grams	
MEAN GRAIN SIZE	0.66	phi	0.6329 mm

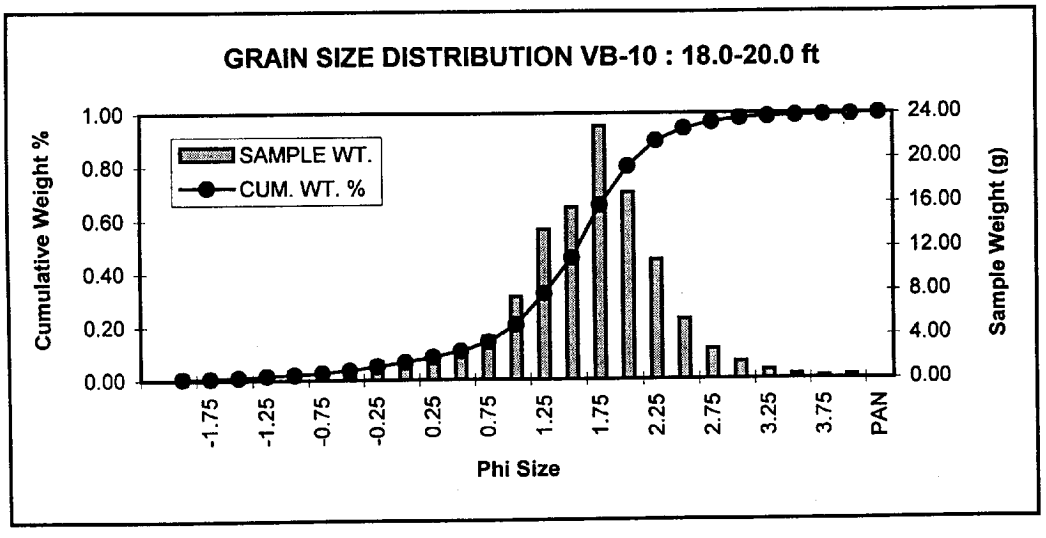


GRAIN SIZE DISTRIBUTION CHART

CORE VB-10: 18.0-20.0 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT.%	CUM. WT. %
<-2.00	0.530	0.530	0.004587791	0.004587791
-1.75	0.150	0.680	0.001298431	0.005886223
-1.50	0.472	1.152	0.004085731	0.009971954
-1.25	0.695	1.847	0.006016066	0.015988020
-1.00	0.536	2.383	0.004639729	0.020627748
-0.75	0.707	3.090	0.006119940	0.026747689
-0.50	1.097	4.187	0.009495862	0.036243551
-0.25	1.673	5.860	0.014481839	0.050725390
0.00	1.811	7.671	0.015676396	0.066401787
0.25	2.300	9.971	0.019909283	0.086311070
0.50	2.472	12.443	0.021398151	0.107709221
0.75	3.905	16.348	0.033802500	0.141511721
1.00	7.501	23.849	0.064930231	0.206441951
1.25	13.557	37.406	0.117352238	0.323794190
1.50	15.536	52.942	0.134482878	0.458277068
1.75	22.843	75.785	0.197733804	0.656010872
2.00	16.867	92.652	0.146004293	0.802015166
2.25	10.826	103.478	0.093712129	0.895727295
2.50	5.446	108.924	0.047141719	0.942869014
2.75	2.723	111.647	0.023570860	0.966439874
3.00	1.573	113.220	0.013616218	0.980056092
3.25	0.806	114.026	0.006976905	0.987032997
3.50	0.364	114.390	0.003150860	0.990183858
3.75	0.246	114.636	0.002129428	0.992313286
4.00	0.325	114.961	0.002813268	0.995126554
PAN	0.563	115.524	0.004873446	1.0

TOTAL WT.	115.524	grams	
MEDIAN WT.	57.762	grams	
MEAN GRAIN SIZE	1.55	phi	0.3415 mm

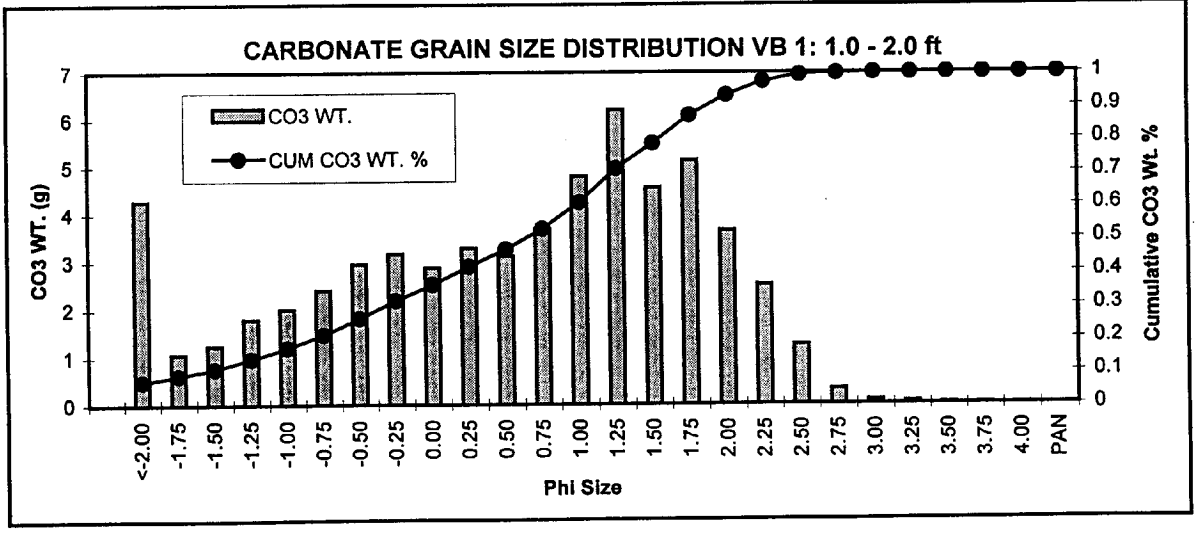


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 1: 1.0 - 2.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	4.275	0.000	4.275	4.275	0.070696213	0.070696213
-1.75	1.066	0.000	1.066	5.341	0.017628576	0.088324789
-1.50	1.245	0.000	1.245	6.586	0.020588722	0.108913511
-1.25	1.800	0.000	1.800	8.386	0.029766827	0.138680337
-1.00	2.013	0.000	2.013	10.399	0.033289234	0.171969572
-0.75	2.410	0.000	2.410	12.809	0.039854473	0.211824045
-0.50	2.965	0.007	2.958	15.767	0.048916818	0.260740863
-0.25	3.223	0.046	3.177	18.944	0.052538449	0.313279312
0.00	3.143	0.262	2.881	21.825	0.047643460	0.360922772
0.25	4.268	0.985	3.283	25.108	0.054291384	0.415214156
0.50	5.068	1.956	3.112	28.220	0.051463536	0.466677691
0.75	7.005	3.314	3.691	31.911	0.061038532	0.527716223
1.00	10.508	5.713	4.795	36.706	0.079295518	0.607011741
1.25	13.499	7.297	6.202	42.908	0.102563255	0.709574996
1.50	11.952	7.400	4.552	47.460	0.075276997	0.784851993
1.75	17.866	12.732	5.134	52.594	0.084901604	0.869753597
2.00	17.575	13.927	3.648	56.242	0.060327435	0.930081032
2.25	14.051	11.539	2.512	58.754	0.041541260	0.971622292
2.50	6.054	4.796	1.258	60.012	0.020803704	0.992425996
2.75	1.259	0.947	0.312	60.324	0.005159583	0.997585580
3.00	0.396	0.318	0.078	60.402	0.001289896	0.998875475
3.25	0.179	0.141	0.038	60.440	0.000628411	0.999503886
3.50	0.133	0.122	0.011	60.451	0.000181908	0.999685795
3.75	0.102	0.089	0.013	60.464	0.000214983	0.999900777
4.00	0.071	0.066	0.005	60.469	0.000082686	0.999983463
PAN	0.067	0.066	0.001	60.470	0.000016537	1.0

TOTAL WT.	132.193	grams
CO3 WT	60.470	grams
% CARBONATE	45.744	

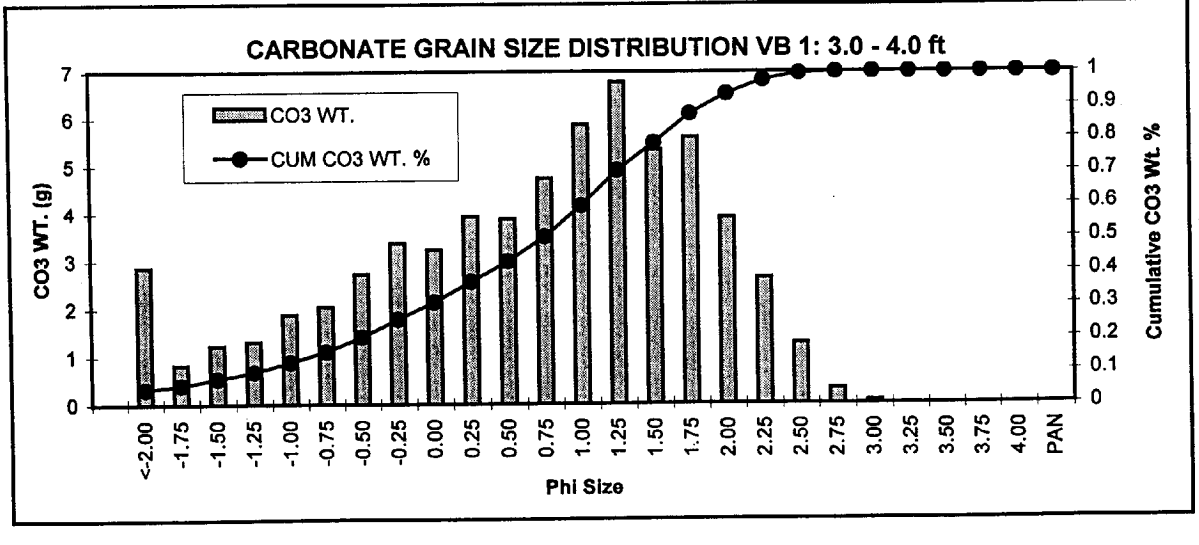


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 1: 3.0 - 4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.913	0.042	2.871	2.871	0.044923602	0.044923602
-1.75	0.826	0.000	0.826	3.697	0.012924728	0.057848330
-1.50	1.227	0.000	1.227	4.924	0.019199324	0.077047654
-1.25	1.371	0.044	1.327	6.251	0.020764061	0.097811715
-1.00	1.904	0.010	1.894	8.145	0.029636120	0.127447836
-0.75	2.100	0.046	2.054	10.199	0.032139700	0.159587535
-0.50	2.765	0.036	2.729	12.928	0.042701675	0.202289210
-0.25	3.486	0.115	3.371	16.299	0.052747287	0.255036497
0.00	3.689	0.450	3.239	19.538	0.050681834	0.305718332
0.25	5.481	1.552	3.929	23.467	0.061478520	0.367196852
0.50	7.070	3.182	3.888	27.355	0.060836978	0.428033830
0.75	9.470	4.728	4.742	32.097	0.074199833	0.502233662
1.00	13.591	7.714	5.877	37.974	0.091959598	0.594193261
1.25	16.351	9.570	6.781	44.755	0.106104822	0.700298082
1.50	14.008	8.673	5.335	50.090	0.083478723	0.783776806
1.75	20.849	15.238	5.611	55.701	0.087797398	0.871574204
2.00	21.338	17.423	3.915	59.616	0.061259457	0.932833661
2.25	18.145	15.504	2.641	62.257	0.041324706	0.974158367
2.50	8.169	6.900	1.269	63.526	0.019856514	0.994014881
2.75	1.741	1.423	0.318	63.844	0.004975864	0.998990745
3.00	0.450	0.398	0.052	63.896	0.000813663	0.999804408
3.25	0.172	0.163	0.008	63.905	0.000133003	0.999937411
3.50	0.132	0.131	0.001	63.906	0.000015647	0.999953058
3.75	0.114	0.113	0.001	63.907	0.000015647	0.999968705
4.00	0.081	0.080	0.001	63.908	0.000015647	0.999984353
PAN	0.059	0.058	0.001	63.909	0.000015647	1.0

TOTAL WT.	157.502	grams
CO3 WT	63.909	grams
% CARBONATE	40.576	

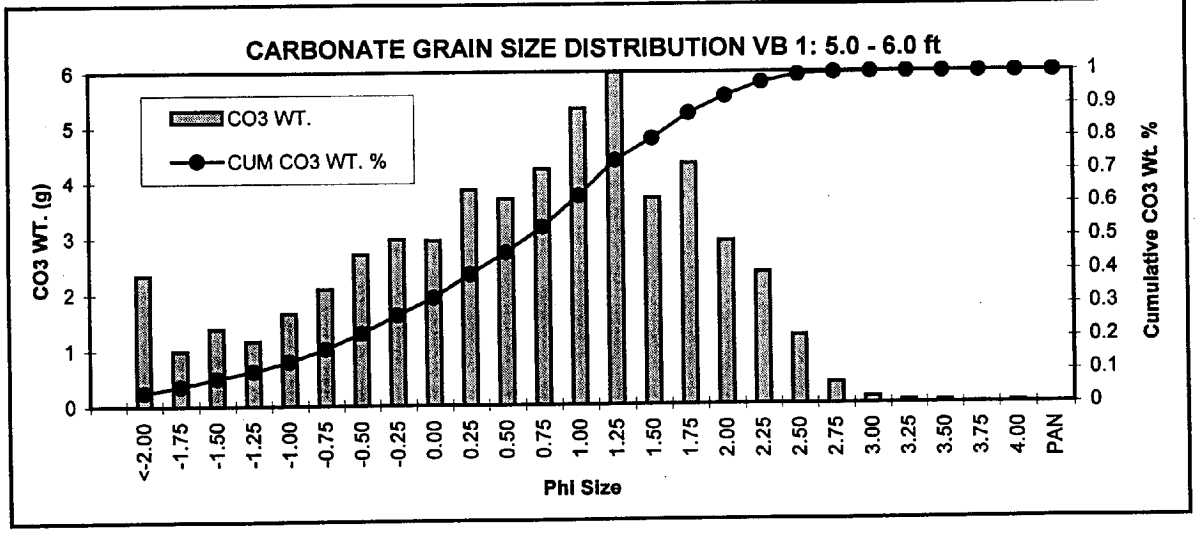


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 1: 5.0 - 6.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.338	0.000	2.338	2.338	0.041309610	0.041309610
-1.75	0.995	0.000	0.995	3.333	0.017580437	0.058890047
-1.50	1.391	0.000	1.391	4.724	0.024577274	0.083467322
-1.25	1.167	0.000	1.167	5.891	0.020619467	0.104086789
-1.00	1.660	0.000	1.660	7.551	0.029330177	0.133416966
-0.75	2.092	0.000	2.092	9.643	0.036963090	0.170380055
-0.50	2.713	0.000	2.713	12.356	0.047935403	0.218315458
-0.25	3.083	0.099	2.984	15.340	0.052723643	0.271039101
0.00	3.403	0.449	2.954	18.294	0.052193579	0.323232680
0.25	5.366	1.503	3.863	22.157	0.068254501	0.391487181
0.50	6.685	2.989	3.696	25.853	0.065303815	0.456790996
0.75	8.647	4.412	4.235	30.088	0.074827288	0.531618284
1.00	12.131	6.797	5.334	35.422	0.094245278	0.625863562
1.25	13.647	7.661	5.986	41.408	0.105765323	0.731628885
1.50	10.981	7.275	3.706	45.114	0.065480503	0.797109387
1.75	15.245	10.911	4.334	49.448	0.076576497	0.873685884
2.00	15.030	12.091	2.939	52.387	0.051928547	0.925614432
2.25	12.855	10.480	2.375	54.762	0.041963355	0.967577787
2.50	5.690	4.459	1.231	55.993	0.021750269	0.989328056
2.75	1.228	0.851	0.377	56.370	0.006661130	0.995989187
3.00	0.390	0.279	0.111	56.481	0.001961235	0.997950421
3.25	0.178	0.129	0.049	56.530	0.000865770	0.998816192
3.50	0.181	0.142	0.039	56.569	0.000689082	0.999505274
3.75	0.171	0.167	0.004	56.573	0.000070675	0.999575949
4.00	0.128	0.105	0.023	56.596	0.000406382	0.999982331
PAN	0.102	0.101	0.001	56.597	0.000017669	1.0

TOTAL WT.	127.497	grams
CO3 WT	56.597	grams
% CARBONATE	44.391	

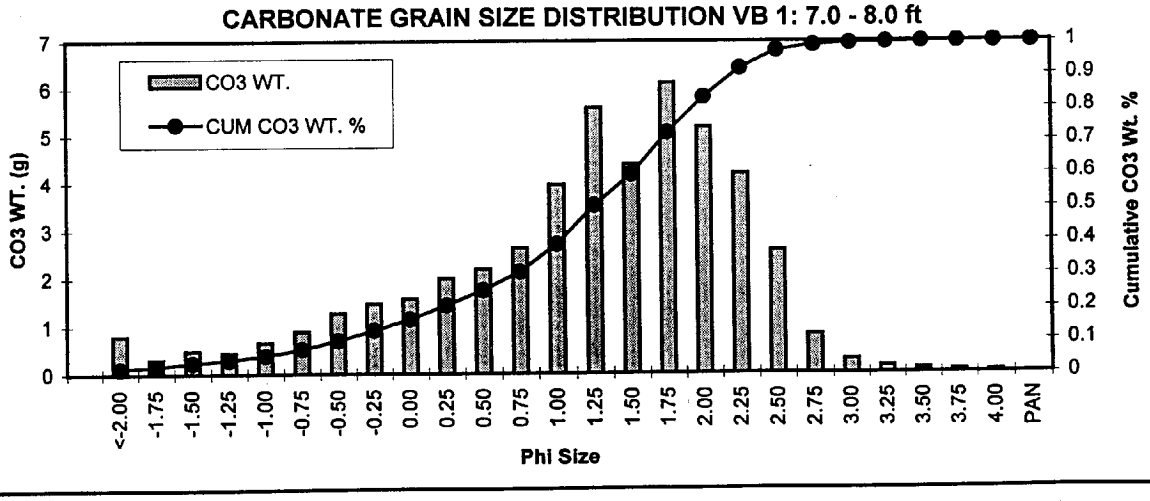


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 1: 7.0 - 8.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.796	0.000	0.796	0.796	0.016549545	0.016549545
-1.75	0.301	0.000	0.301	1.097	0.006258056	0.022807601
-1.50	0.485	0.000	0.485	1.582	0.010083579	0.032891181
-1.25	0.430	0.000	0.430	2.012	0.008940081	0.041831261
-1.00	0.656	0.000	0.656	2.668	0.013638821	0.055470082
-0.75	0.894	0.000	0.894	3.562	0.018587051	0.074057133
-0.50	1.275	0.000	1.275	4.837	0.026508379	0.100565512
-0.25	1.494	0.017	1.477	6.314	0.030708138	0.131273650
0.00	1.673	0.097	1.576	7.890	0.032766435	0.164040085
0.25	2.451	0.458	1.993	9.883	0.041436234	0.205476319
0.50	3.366	1.172	2.194	12.077	0.045615202	0.251091521
0.75	5.010	2.379	2.631	14.708	0.054700819	0.305792341
1.00	8.610	4.650	3.960	18.668	0.082331906	0.388124246
1.25	12.253	6.669	5.584	24.252	0.116096303	0.504220550
1.50	12.309	7.931	4.378	28.630	0.091022496	0.595243045
1.75	20.721	14.608	6.113	34.743	0.127094682	0.722337727
2.00	24.304	19.135	5.169	39.912	0.107468086	0.829805813
2.25	22.985	18.793	4.192	44.104	0.087155391	0.916961204
2.50	11.241	8.662	2.579	46.683	0.053619693	0.970580897
2.75	2.573	1.757	0.816	47.499	0.016965362	0.987546260
3.00	0.830	0.543	0.287	47.786	0.005966984	0.993513244
3.25	0.385	0.248	0.137	47.923	0.002848351	0.996361595
3.50	0.317	0.229	0.088	48.011	0.001829598	0.998191193
3.75	0.214	0.169	0.045	48.056	0.000935590	0.999126783
4.00	0.114	0.079	0.035	48.091	0.000727681	0.999854464
PAN	0.093	0.086	0.007	48.098	0.000145536	1.0

TOTAL WT.	135.780	grams
CO3 WT	48.098	grams
% CARBONATE	35.423	

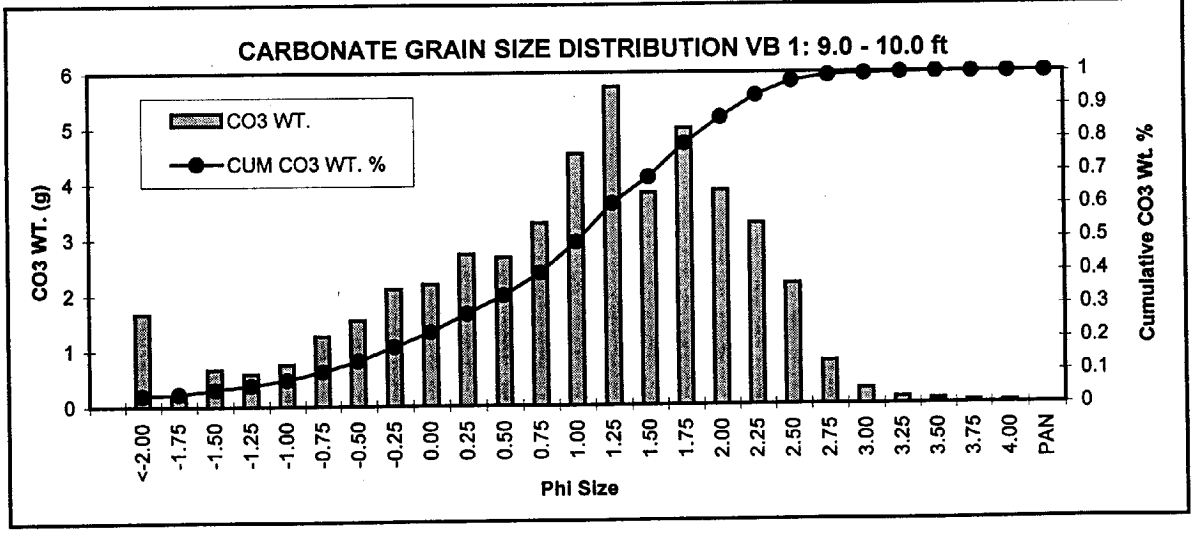


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 1: 9.0 - 10.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.676	0.000	1.676	1.676	0.033941554	0.033941554
-1.75	0.205	0.000	0.205	1.881	0.004151562	0.038093117
-1.50	0.667	0.000	0.667	2.548	0.013507766	0.051600883
-1.25	0.587	0.000	0.587	3.135	0.011887645	0.063488528
-1.00	0.757	0.000	0.757	3.892	0.015330404	0.078818931
-0.75	1.261	0.000	1.261	5.153	0.025537172	0.104356103
-0.50	1.547	0.000	1.547	6.700	0.031329108	0.135685210
-0.25	2.171	0.062	2.109	8.809	0.042710464	0.178395674
0.00	2.389	0.196	2.193	11.002	0.044411592	0.222807266
0.25	3.604	0.872	2.732	13.734	0.055327163	0.278134430
0.50	4.693	2.022	2.671	16.405	0.054091820	0.332226250
0.75	6.670	3.387	3.283	19.688	0.066485753	0.398712003
1.00	10.267	5.739	4.528	24.216	0.091698900	0.490410903
1.25	12.833	7.101	5.732	29.948	0.116081735	0.606492639
1.50	10.876	7.052	3.824	33.772	0.077441827	0.683934466
1.75	16.807	11.822	4.985	38.757	0.100953847	0.784888313
2.00	18.602	14.737	3.865	42.622	0.078272140	0.863160453
2.25	18.498	15.240	3.258	45.880	0.065979465	0.929139918
2.50	10.193	8.011	2.182	48.062	0.044188825	0.973328743
2.75	2.522	1.741	0.781	48.843	0.015816440	0.989145183
3.00	0.712	0.439	0.273	49.116	0.005528666	0.994673849
3.25	0.270	0.159	0.111	49.227	0.002247919	0.996921768
3.50	0.190	0.109	0.081	49.308	0.001640373	0.998562142
3.75	0.159	0.121	0.038	49.346	0.000769558	0.999331700
4.00	0.127	0.097	0.030	49.376	0.000607546	0.999939245
PAN	0.122	0.119	0.003	49.379	0.000060755	1.0

TOTAL WT.	128.405	grams
CO3 WT	49.379	grams
% CARBONATE	38.456	

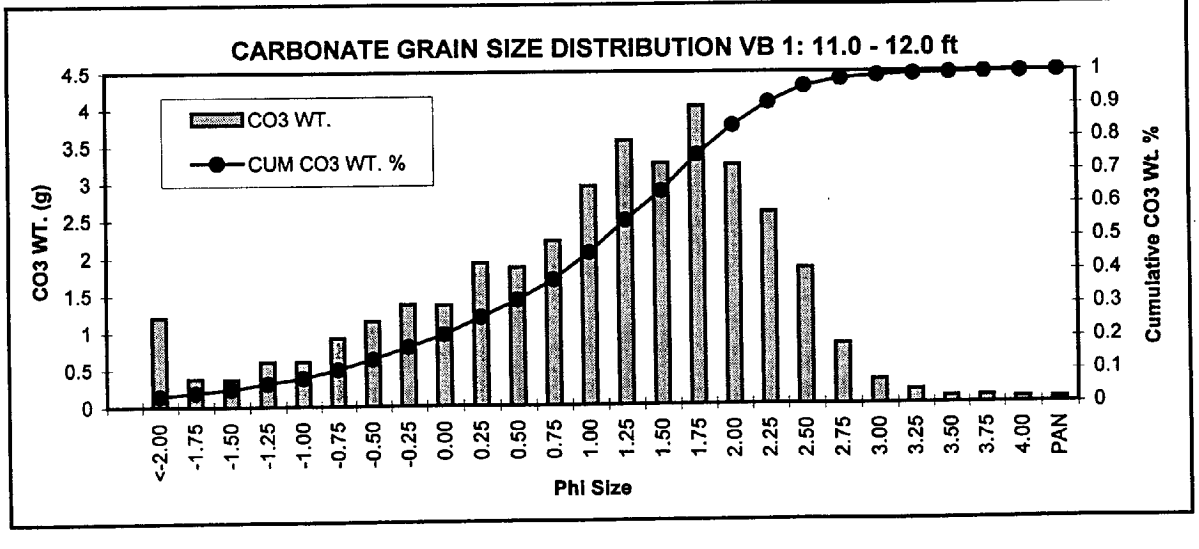


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 1: 11.0 - 12.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.206	0.000	1.206	1.206	0.032563791	0.032563791
-1.75	0.377	0.000	0.377	1.583	0.010179560	0.042743351
-1.50	0.368	0.000	0.368	1.951	0.009936547	0.052679897
-1.25	0.598	0.000	0.598	2.549	0.016146888	0.068826785
-1.00	0.601	0.000	0.601	3.150	0.016227893	0.085054678
-0.75	0.926	0.000	0.926	4.076	0.025003375	0.110058053
-0.50	1.145	0.000	1.145	5.221	0.030916700	0.140974754
-0.25	1.373	0.000	1.373	6.594	0.037073039	0.178047793
0.00	1.440	0.078	1.362	7.956	0.036776023	0.214823815
0.25	2.169	0.246	1.923	9.879	0.051923856	0.266747671
0.50	2.594	0.734	1.860	11.739	0.050222762	0.316970433
0.75	3.491	1.282	2.209	13.948	0.059646281	0.376616714
1.00	5.538	2.589	2.949	16.897	0.079627380	0.456244093
1.25	7.563	3.998	3.565	20.462	0.096260294	0.552504388
1.50	8.227	4.973	3.254	23.716	0.087862832	0.640367220
1.75	13.611	9.582	4.029	27.745	0.108788983	0.749156204
2.00	15.378	12.152	3.226	30.971	0.087106791	0.836262994
2.25	14.271	11.682	2.589	33.560	0.069906845	0.906169839
2.50	8.350	6.512	1.838	35.398	0.049628730	0.955798569
2.75	2.522	1.705	0.817	36.215	0.022060213	0.977858782
3.00	0.809	0.489	0.320	36.535	0.008640475	0.986499257
3.25	0.342	0.166	0.176	36.711	0.004752261	0.991251519
3.50	0.248	0.156	0.092	36.803	0.002484137	0.993735655
3.75	0.262	0.168	0.094	36.897	0.002538140	0.996273795
4.00	0.199	0.123	0.076	36.973	0.002052113	0.998325908
PAN	0.152	0.090	0.062	37.035	0.001674092	1.0

TOTAL WT.	93.760	grams
CO3 WT	37.035	grams
% CARBONATE	39.500	

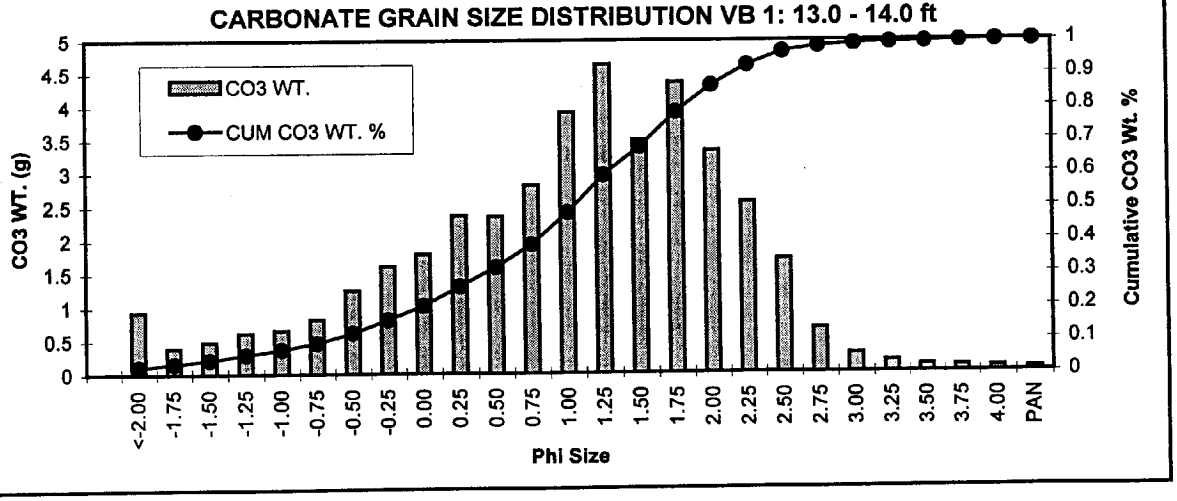


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 1: 13.0 - 14.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.934	0.000	0.934	0.934	0.022485435	0.022485435
-1.75	0.391	0.000	0.391	1.325	0.009413068	0.031898503
-1.50	0.483	0.000	0.483	1.808	0.011627907	0.043526410
-1.25	0.613	0.000	0.613	2.421	0.014757571	0.058283981
-1.00	0.655	0.000	0.655	3.076	0.015768694	0.074052675
-0.75	0.821	0.000	0.821	3.897	0.019765034	0.093817709
-0.50	1.266	0.011	1.255	5.152	0.030213299	0.124031008
-0.25	1.656	0.044	1.612	6.764	0.038807839	0.162838846
0.00	2.027	0.231	1.796	8.560	0.043237517	0.206076364
0.25	3.222	0.857	2.365	10.925	0.056935818	0.263012182
0.50	4.162	1.813	2.349	13.274	0.056550628	0.319562810
0.75	5.931	3.113	2.818	16.092	0.067841495	0.387404304
1.00	8.937	5.027	3.910	20.002	0.094130676	0.481534980
1.25	11.150	6.510	4.640	24.642	0.111704945	0.593239925
1.50	10.047	6.556	3.491	28.133	0.084043526	0.677283451
1.75	15.635	11.269	4.366	32.499	0.105108575	0.782392027
2.00	17.090	13.760	3.330	35.829	0.080167557	0.862559584
2.25	15.065	12.502	2.563	38.392	0.061702537	0.924262121
2.50	7.133	5.426	1.707	40.099	0.041094901	0.965357022
2.75	1.889	1.221	0.668	40.767	0.016081660	0.981438683
3.00	0.739	0.465	0.274	41.041	0.006596370	0.988035052
3.25	0.422	0.253	0.169	41.210	0.004068564	0.992103616
3.50	0.382	0.275	0.107	41.317	0.002575955	0.994679571
3.75	0.356	0.262	0.094	41.411	0.002262988	0.996942559
4.00	0.237	0.164	0.073	41.484	0.001757427	0.998699986
PAN	0.227	0.173	0.054	41.538	0.001300014	1.0

TOTAL WT.	111.470	grams
CO3 WT	41.538	grams
% CARBONATE	37.264	

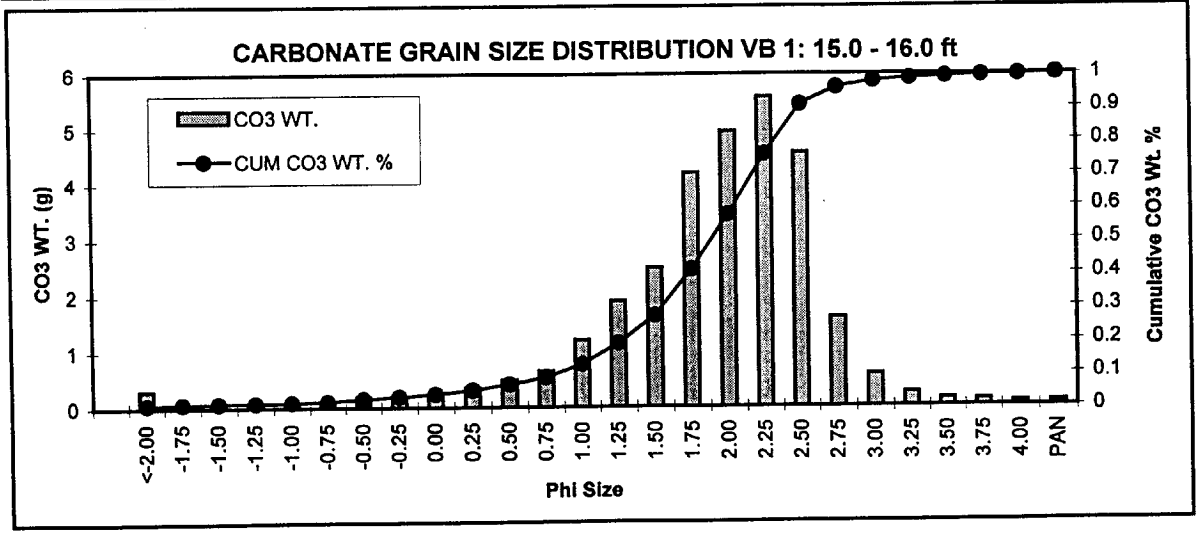


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 1: 15.0 - 16.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.305	0.000	0.305	0.305	0.010006890	0.010006890
-1.75	0.035	0.000	0.035	0.340	0.001148332	0.011155222
-1.50	0.063	0.000	0.063	0.403	0.002066997	0.013222219
-1.25	0.028	0.000	0.028	0.431	0.000918665	0.014140884
-1.00	0.059	0.000	0.059	0.490	0.001935759	0.016076643
-0.75	0.113	0.000	0.113	0.603	0.003707471	0.019784114
-0.50	0.190	0.000	0.190	0.793	0.006233800	0.026017914
-0.25	0.195	0.000	0.195	0.988	0.006397848	0.032415762
0.00	0.252	0.006	0.246	1.234	0.008071131	0.040486893
0.25	0.402	0.048	0.354	1.588	0.011614554	0.052101447
0.50	0.674	0.184	0.490	2.078	0.016076643	0.068178090
0.75	1.097	0.446	0.651	2.729	0.021358968	0.089537058
1.00	2.283	1.069	1.214	3.943	0.039830703	0.129367761
1.25	4.002	2.098	1.904	5.847	0.062469241	0.191837003
1.50	5.680	3.185	2.495	8.342	0.081859641	0.273696644
1.75	14.446	10.246	4.200	12.542	0.137799797	0.411496440
2.00	25.300	20.347	4.953	17.495	0.162505332	0.574001772
2.25	34.279	28.704	5.575	23.070	0.182912825	0.756914597
2.50	21.329	16.758	4.571	27.641	0.149972112	0.906886709
2.75	5.467	3.863	1.604	29.245	0.052626399	0.959513107
3.00	1.496	0.919	0.577	29.822	0.018931067	0.978444175
3.25	0.518	0.270	0.248	30.070	0.008136750	0.986580925
3.50	0.346	0.211	0.135	30.205	0.004429279	0.991010204
3.75	0.267	0.151	0.116	30.321	0.003805899	0.994816103
4.00	0.154	0.078	0.076	30.397	0.002493520	0.997309623
PAN	0.161	0.079	0.082	30.479	0.002690377	1.0

TOTAL WT.	119.141	grams
CO3 WT	30.479	grams
% CARBONATE	25.582	

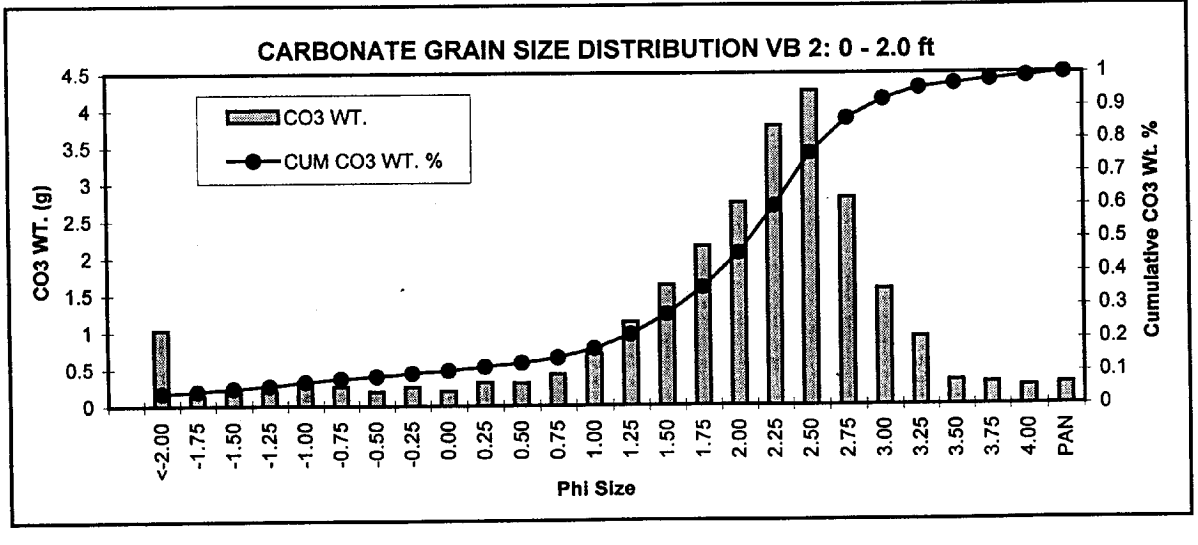


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 2: 0 - 2.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.030	0.000	1.030	1.030	0.038464411	0.038464411
-1.75	0.134	0.000	0.134	1.164	0.005004108	0.043468519
-1.50	0.228	0.000	0.228	1.392	0.008514452	0.051982971
-1.25	0.204	0.000	0.204	1.596	0.007618194	0.059601165
-1.00	0.334	0.000	0.334	1.930	0.012472926	0.072074091
-0.75	0.266	0.004	0.262	2.192	0.009784151	0.081858242
-0.50	0.209	0.016	0.193	2.385	0.007207409	0.089065651
-0.25	0.265	0.010	0.255	2.640	0.009522743	0.098588393
0.00	0.223	0.023	0.200	2.840	0.007468818	0.106057211
0.25	0.350	0.034	0.316	3.156	0.011800732	0.117857943
0.50	0.384	0.077	0.307	3.463	0.011464635	0.129322578
0.75	0.676	0.251	0.425	3.888	0.015871238	0.145193816
1.00	1.587	0.883	0.704	4.592	0.026290238	0.171484054
1.25	2.926	1.792	1.134	5.726	0.042348196	0.213832250
1.50	3.987	2.357	1.630	7.356	0.060870864	0.274703114
1.75	8.489	6.334	2.155	9.511	0.080476511	0.355179625
2.00	12.241	9.503	2.738	12.249	0.102248114	0.457427739
2.25	16.029	12.249	3.780	16.029	0.141160654	0.598588393
2.50	13.500	9.242	4.258	20.287	0.159011129	0.757599522
2.75	7.508	4.700	2.808	23.095	0.104862200	0.862461722
3.00	5.996	4.423	1.573	24.668	0.058742251	0.921203973
3.25	4.163	3.234	0.929	25.597	0.034692658	0.955896632
3.50	2.805	2.477	0.328	25.925	0.012248861	0.968145493
3.75	2.369	2.063	0.306	26.231	0.011427291	0.979572784
4.00	1.822	1.566	0.256	26.487	0.009560087	0.989132870
PAN	1.593	1.302	0.291	26.778	0.010867130	1.0

TOTAL WT.	89.318	grams
CO3 WT	26.778	grams
% CARBONATE	29.981	

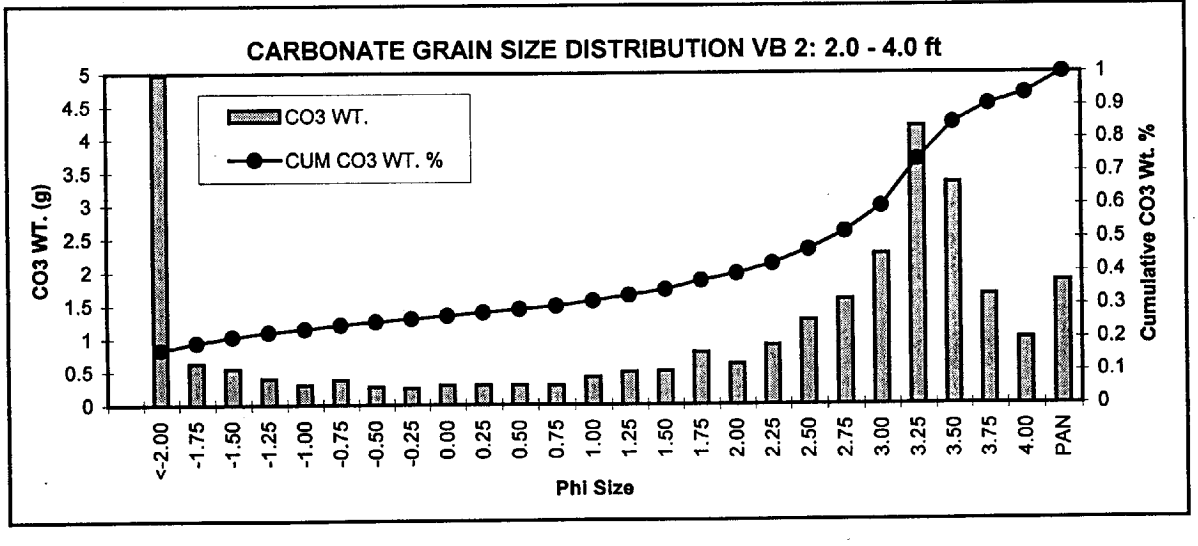


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 2: 2.0 - 4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	4.975	0.000	4.975	4.975	0.166996744	0.166996744
-1.75	0.623	0.000	0.623	5.598	0.020912356	0.187909100
-1.50	0.544	0.000	0.544	6.142	0.018260548	0.206169649
-1.25	0.401	0.000	0.401	6.543	0.013460441	0.219630090
-1.00	0.299	0.000	0.299	6.842	0.010036588	0.229666678
-0.75	0.383	0.000	0.383	7.225	0.012856232	0.242522910
-0.50	0.273	0.000	0.273	7.498	0.009163841	0.251686751
-0.25	0.262	0.006	0.256	7.754	0.008593199	0.260279950
0.00	0.307	0.014	0.293	8.047	0.009835185	0.270115135
0.25	0.344	0.051	0.293	8.340	0.009835185	0.279950321
0.50	0.397	0.105	0.292	8.632	0.009801618	0.289751939
0.75	0.571	0.280	0.291	8.923	0.009768051	0.299519989
1.00	1.151	0.733	0.418	9.341	0.014031083	0.313551072
1.25	1.696	1.203	0.493	9.834	0.016548622	0.330099695
1.50	1.703	1.200	0.503	10.337	0.016884294	0.346983988
1.75	2.631	1.843	0.788	11.125	0.026450942	0.373434930
2.00	2.390	1.782	0.608	11.733	0.020408848	0.393843778
2.25	2.608	1.716	0.892	12.625	0.029941929	0.423785707
2.50	2.779	1.503	1.276	13.901	0.042831728	0.466617435
2.75	3.499	1.914	1.585	15.486	0.053203988	0.519821423
3.00	8.832	6.568	2.264	17.750	0.075996106	0.595817529
3.25	21.071	16.882	4.189	21.939	0.140612937	0.736430466
3.50	25.931	22.596	3.335	25.274	0.111946561	0.848377027
3.75	15.174	13.518	1.656	26.930	0.055587258	0.903964285
4.00	8.655	7.651	1.004	27.934	0.033701453	0.937665738
PAN	7.097	5.240	1.857	29.791	0.062334262	1.0

TOTAL WT.	114.596	grams
CO3 WT	29.791	grams
% CARBONATE	25.997	

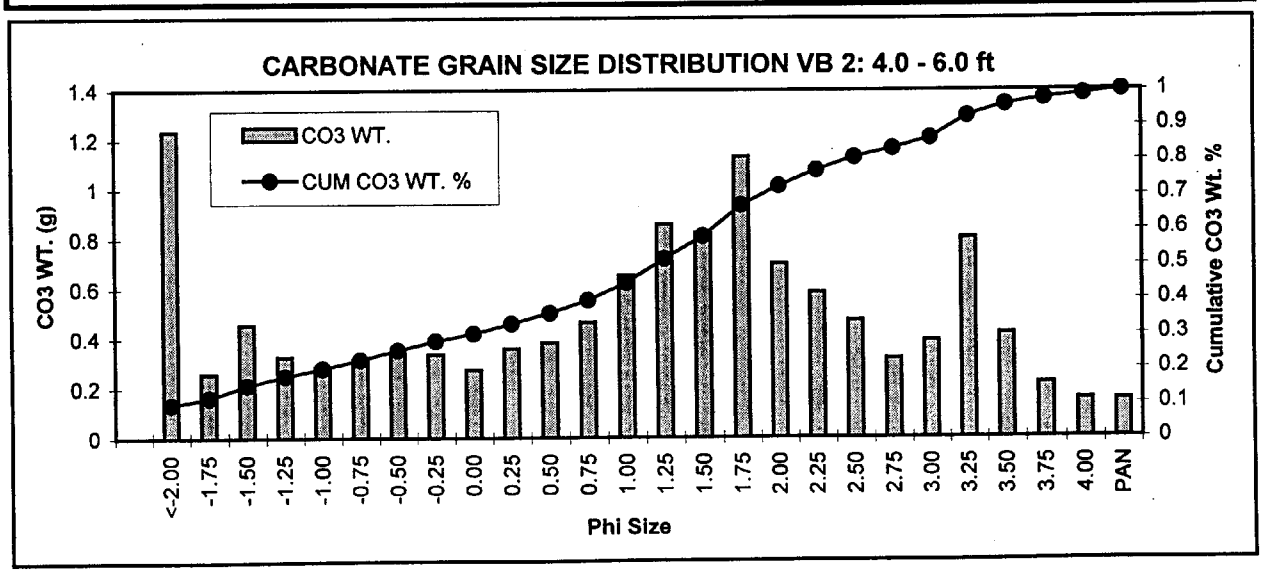


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 2: 4.0 - 6.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.235	0.000	1.235	1.235	0.096923560	0.096923560
-1.75	0.259	0.000	0.259	1.494	0.020326479	0.117250039
-1.50	0.457	0.000	0.457	1.951	0.035865641	0.153115680
-1.25	0.327	0.000	0.327	2.278	0.025663161	0.178778842
-1.00	0.287	0.000	0.287	2.565	0.022523937	0.201302778
-0.75	0.317	0.000	0.317	2.882	0.024878355	0.226181133
-0.50	0.342	0.000	0.342	3.224	0.026840370	0.253021504
-0.25	0.343	0.006	0.337	3.561	0.026447967	0.279469471
0.00	0.297	0.024	0.273	3.834	0.021425208	0.300894679
0.25	0.414	0.054	0.360	4.194	0.028253022	0.329147701
0.50	0.504	0.119	0.385	4.579	0.030215037	0.359362737
0.75	0.813	0.347	0.466	5.045	0.036571967	0.395934704
1.00	1.701	1.047	0.654	5.699	0.051326322	0.447261027
1.25	2.771	1.910	0.861	6.560	0.067571810	0.514832836
1.50	2.734	1.911	0.823	7.383	0.064589546	0.579422383
1.75	3.948	2.818	1.130	8.513	0.088683095	0.668105478
2.00	3.013	2.312	0.701	9.214	0.055014911	0.723120389
2.25	2.080	1.494	0.586	9.800	0.045989641	0.769110030
2.50	1.134	0.661	0.473	10.273	0.037121331	0.806231361
2.75	0.768	0.449	0.319	10.592	0.025035316	0.831266677
3.00	1.417	1.025	0.392	10.984	0.030764401	0.862031078
3.25	3.642	2.836	0.806	11.790	0.063255376	0.925286454
3.50	5.200	4.778	0.422	12.212	0.033118820	0.958405274
3.75	3.527	3.306	0.221	12.433	0.017344216	0.975749490
4.00	1.446	1.290	0.156	12.589	0.012242976	0.987992466
PAN	0.782	0.629	0.153	12.742	0.012007534	1.0

TOTAL WT.	39.758	grams
CO3 WT	12.742	grams
% CARBONATE	32.049	

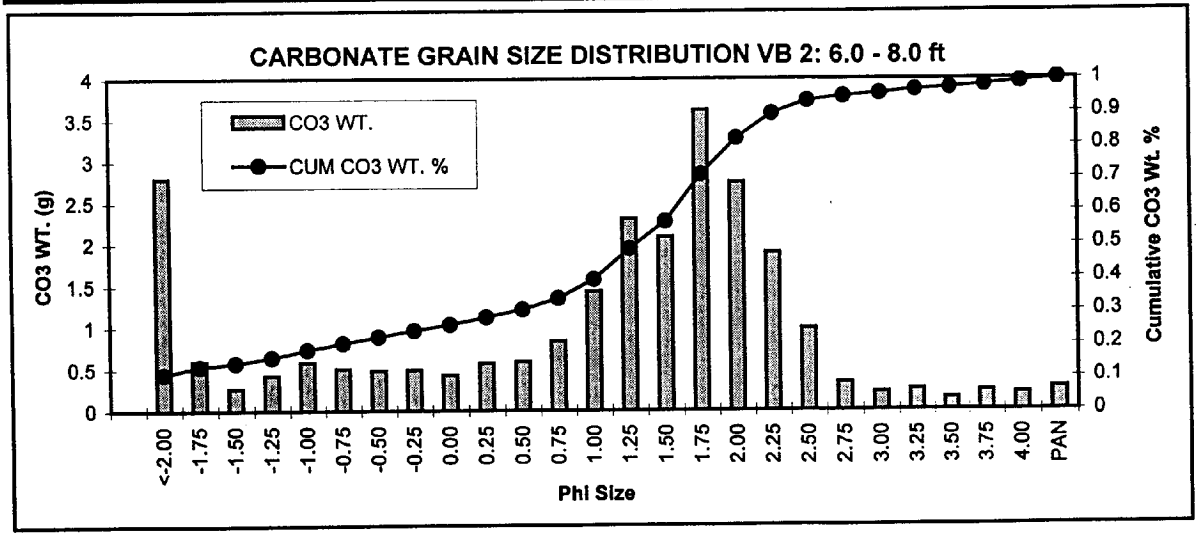


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 2: 6.0 - 8.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.794	0.000	2.794	2.794	0.110295279	0.110295279
-1.75	0.590	0.000	0.590	3.384	0.023290700	0.133585978
-1.50	0.263	0.000	0.263	3.647	0.010382125	0.143968104
-1.25	0.423	0.000	0.423	4.070	0.016698247	0.160666351
-1.00	0.583	0.000	0.583	4.653	0.023014369	0.183680720
-0.75	0.505	0.000	0.505	5.158	0.019935260	0.203615980
-0.50	0.482	0.000	0.482	5.640	0.019027317	0.222643297
-0.25	0.499	0.006	0.493	6.133	0.019461551	0.242104848
0.00	0.457	0.024	0.433	6.566	0.017093005	0.259197853
0.25	0.621	0.047	0.574	7.140	0.022659087	0.281856940
0.50	0.709	0.117	0.592	7.732	0.023369651	0.305226591
0.75	1.203	0.363	0.840	8.572	0.033159640	0.338386231
1.00	2.754	1.314	1.440	10.012	0.056845097	0.395231328
1.25	5.598	3.293	2.305	12.317	0.090991631	0.486222959
1.50	7.002	4.915	2.087	14.404	0.082385915	0.568608874
1.75	11.034	7.414	3.620	18.024	0.142902258	0.711511132
2.00	8.372	5.627	2.745	20.769	0.108360966	0.819872099
2.25	4.899	3.001	1.898	22.667	0.074924996	0.894797095
2.50	1.924	0.935	0.989	23.656	0.039041529	0.933838623
2.75	0.693	0.359	0.334	23.990	0.013184904	0.947023528
3.00	0.646	0.424	0.222	24.212	0.008763619	0.955787147
3.25	0.890	0.637	0.253	24.465	0.009987368	0.965774514
3.50	1.194	1.043	0.151	24.616	0.005960840	0.971735354
3.75	1.388	1.152	0.236	24.852	0.009316280	0.981051634
4.00	0.965	0.760	0.205	25.057	0.008092531	0.989144165
PAN	0.964	0.689	0.275	25.332	0.010855835	1.0

TOTAL WT.	57.452	grams
CO3 WT	25.332	grams
% CARBONATE	44.092	

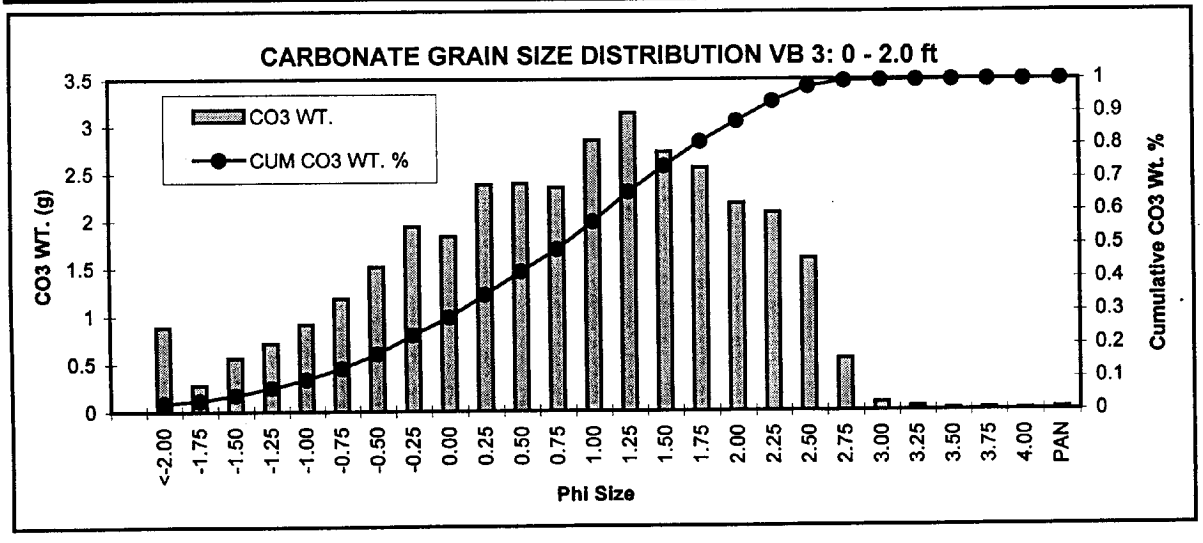


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 3: 0 - 2.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.881	0.000	0.881	0.881	0.025256579	0.025256579
-1.75	0.277	0.000	0.277	1.158	0.007941058	0.033197638
-1.50	0.568	0.000	0.568	1.726	0.016283470	0.049481108
-1.25	0.718	0.000	0.718	2.444	0.020583682	0.070064790
-1.00	0.919	0.000	0.919	3.363	0.026345966	0.096410756
-0.75	1.187	0.000	1.187	4.550	0.034029012	0.130439768
-0.50	1.521	0.000	1.521	6.071	0.043604151	0.174043920
-0.25	1.973	0.030	1.943	8.014	0.055702081	0.229746001
0.00	1.943	0.102	1.841	9.855	0.052777937	0.282523938
0.25	2.906	0.525	2.381	12.236	0.068258701	0.350782639
0.50	3.466	1.072	2.394	14.630	0.068631386	0.419414024
0.75	4.346	1.995	2.351	16.981	0.067398658	0.486812683
1.00	6.815	3.965	2.850	19.831	0.081704031	0.568516713
1.25	8.897	5.756	3.141	22.972	0.090046442	0.658563156
1.50	8.703	5.977	2.726	25.698	0.078149189	0.736712344
1.75	11.716	9.157	2.559	28.257	0.073361619	0.810073964
2.00	10.261	8.079	2.182	30.439	0.062553753	0.872627716
2.25	9.770	7.688	2.082	32.521	0.059686945	0.932314661
2.50	5.331	3.731	1.600	34.121	0.045868930	0.978183590
2.75	1.177	0.628	0.549	34.670	0.015738776	0.993922367
3.00	0.238	0.152	0.086	34.756	0.002465455	0.996387822
3.25	0.124	0.083	0.041	34.797	0.001175391	0.997563213
3.50	0.163	0.142	0.021	34.818	0.000602030	0.998165243
3.75	0.159	0.134	0.025	34.843	0.000716702	0.998881945
4.00	0.125	0.108	0.017	34.860	0.000487357	0.999369302
PAN	0.126	0.104	0.022	34.882	0.000630698	1.0

TOTAL WT.	84.310	grams
CO3 WT	34.882	grams
% CARBONATE	41.374	

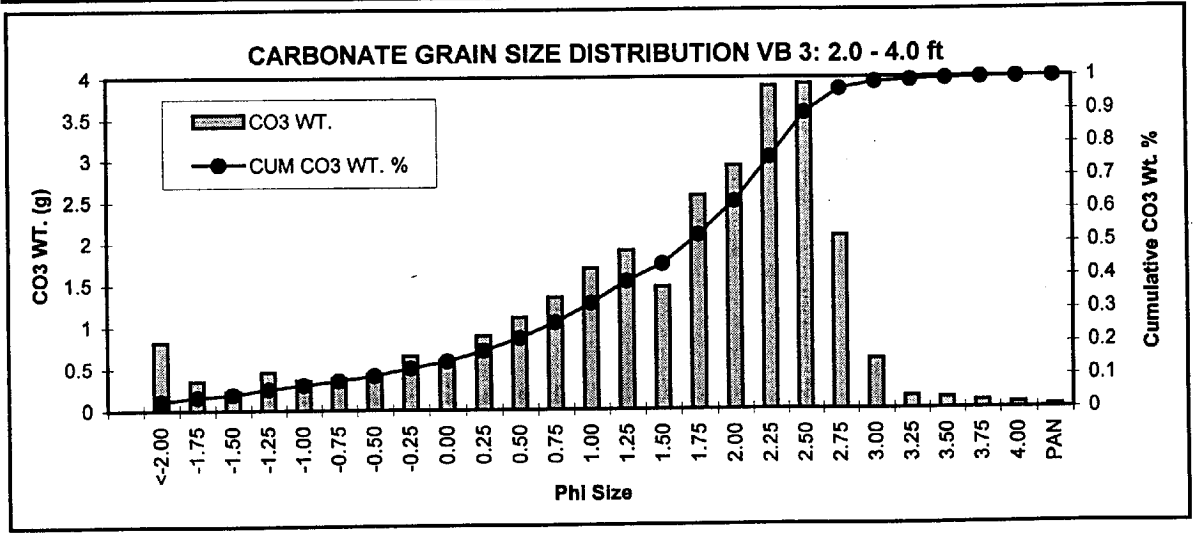


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 3: 2.0 - 4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.813	0.000	0.813	0.813	0.027902667	0.027902667
-1.75	0.346	0.000	0.346	1.159	0.011874936	0.039777602
-1.50	0.228	0.000	0.228	1.387	0.007825102	0.047602704
-1.25	0.460	0.000	0.460	1.847	0.015787487	0.063390191
-1.00	0.359	0.000	0.359	2.206	0.012321104	0.075711295
-0.75	0.391	0.000	0.391	2.597	0.013419364	0.089130659
-0.50	0.439	0.000	0.439	3.036	0.015066754	0.104197412
-0.25	0.675	0.020	0.655	3.691	0.022480008	0.126677420
0.00	0.625	0.028	0.597	4.288	0.020489412	0.147166833
0.25	1.044	0.155	0.889	5.177	0.030511034	0.177677867
0.50	1.446	0.338	1.108	6.285	0.038027251	0.215705117
0.75	2.061	0.715	1.346	7.631	0.046195559	0.261900676
1.00	3.176	1.488	1.688	9.319	0.057933212	0.319833888
1.25	5.136	3.227	1.909	11.228	0.065518070	0.385351958
1.50	6.915	5.444	1.471	12.699	0.050485637	0.435837595
1.75	12.904	10.333	2.571	15.270	0.088238322	0.524075917
2.00	14.497	11.566	2.931	18.201	0.100593747	0.624669664
2.25	16.595	12.706	3.889	22.090	0.133472904	0.758142568
2.50	12.120	8.201	3.919	26.009	0.134502523	0.892645090
2.75	4.274	2.193	2.081	28.090	0.071421217	0.964066307
3.00	1.105	0.508	0.597	28.687	0.020489412	0.984555720
3.25	0.406	0.260	0.146	28.833	0.005010811	0.989566531
3.50	0.662	0.539	0.123	28.956	0.004221437	0.993787967
3.75	0.869	0.782	0.087	29.043	0.002985894	0.996773861
4.00	0.431	0.371	0.060	29.103	0.002059237	0.998833099
PAN	0.200	0.166	0.034	29.137	0.001166901	1.0

TOTAL WT.	88.177	grams
CO3 WT	29.137	grams
% CARBONATE	33.044	

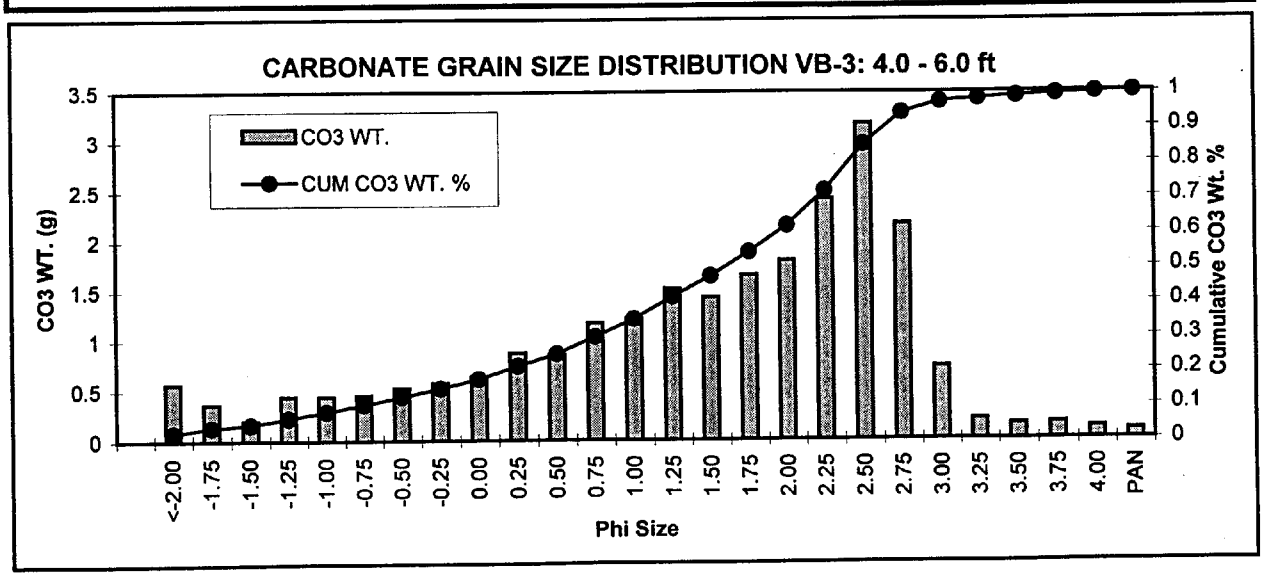


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB-3: 4.0 - 6.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.569	0.000	0.569	0.569	0.023654126	0.023654126
-1.75	0.369	0.000	0.369	0.938	0.015339846	0.038993972
-1.50	0.202	0.000	0.202	1.140	0.008397423	0.047391395
-1.25	0.444	0.000	0.444	1.584	0.018457701	0.065849096
-1.00	0.443	0.000	0.443	2.027	0.018416130	0.084265226
-0.75	0.457	0.000	0.457	2.484	0.018998129	0.103263355
-0.50	0.530	0.000	0.530	3.014	0.022032841	0.125296196
-0.25	0.593	0.015	0.578	3.592	0.024028269	0.149324465
0.00	0.725	0.079	0.646	4.238	0.026855124	0.176179588
0.25	1.232	0.354	0.878	5.116	0.036499688	0.212679277
0.50	1.690	0.827	0.863	5.979	0.035876117	0.248555394
0.75	2.456	1.275	1.181	7.160	0.049095822	0.297651216
1.00	3.352	2.124	1.228	8.388	0.051049678	0.348700894
1.25	4.796	3.270	1.526	9.914	0.063437955	0.412138848
1.50	5.580	4.142	1.438	11.352	0.059779672	0.471918520
1.75	8.686	7.024	1.662	13.014	0.069091665	0.541010185
2.00	9.002	7.198	1.804	14.818	0.074994804	0.616004989
2.25	11.048	8.623	2.425	17.243	0.100810642	0.716815631
2.50	10.614	7.433	3.181	20.424	0.132238620	0.849054251
2.75	5.006	2.829	2.177	22.601	0.090500935	0.939555186
3.00	1.392	0.658	0.734	23.335	0.030513407	0.970068593
3.25	0.471	0.267	0.204	23.539	0.008480565	0.978549158
3.50	0.787	0.637	0.150	23.689	0.006235710	0.984784868
3.75	1.221	1.060	0.161	23.850	0.006692995	0.991477863
4.00	0.655	0.538	0.117	23.967	0.004863854	0.996341717
PAN	0.397	0.309	0.088	24.055	0.003658283	1.0

TOTAL WT.	72.717	grams
CO3 WT	24.055	grams
% CARBONATE	33.080	

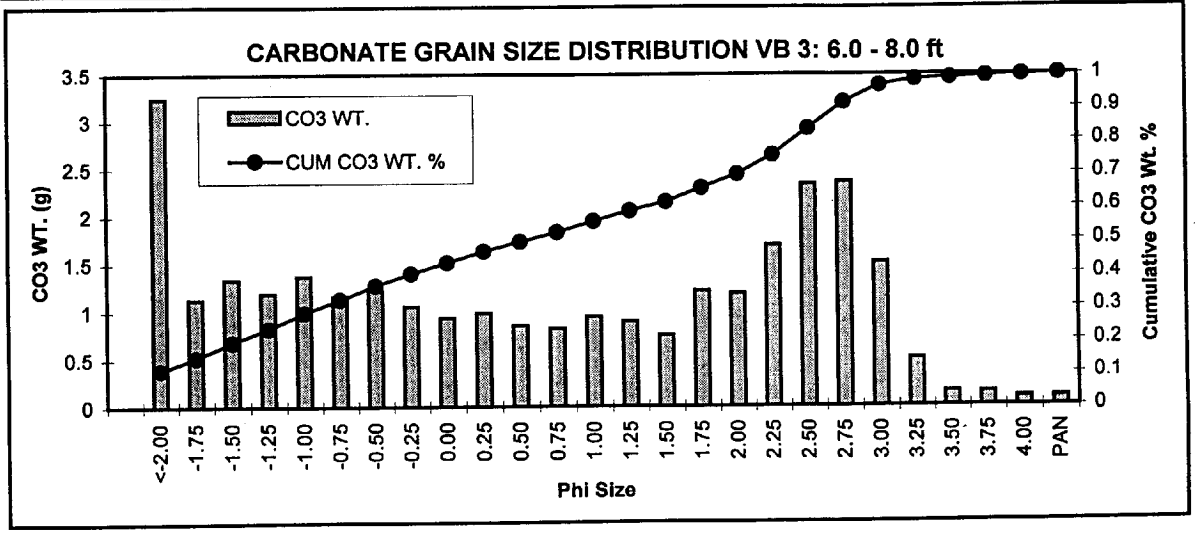


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 3: 6.0 - 8.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	3.246	0.000	3.246	3.246	0.111050291	0.111050291
-1.75	1.129	0.000	1.129	4.375	0.038624701	0.149674991
-1.50	1.339	0.000	1.339	5.714	0.045809100	0.195484092
-1.25	1.194	0.000	1.194	6.908	0.040848443	0.236332535
-1.00	1.375	0.000	1.375	8.283	0.047040712	0.283373247
-0.75	1.158	0.000	1.158	9.441	0.039616832	0.322990079
-0.50	1.223	0.000	1.223	10.664	0.041840575	0.364830653
-0.25	1.067	0.009	1.058	11.722	0.036195689	0.401026343
0.00	0.955	0.018	0.937	12.659	0.032056107	0.433082450
0.25	1.056	0.069	0.987	13.646	0.033766678	0.466849128
0.50	0.987	0.133	0.854	14.500	0.029216558	0.496065686
0.75	1.109	0.280	0.829	15.329	0.028361273	0.524426959
1.00	1.579	0.626	0.953	16.282	0.032603490	0.557030448
1.25	2.241	1.343	0.898	17.180	0.030721861	0.587752309
1.50	2.720	1.967	0.753	17.933	0.025761204	0.613513514
1.75	5.448	4.227	1.221	19.154	0.041772152	0.655285665
2.00	6.602	5.413	1.189	20.343	0.040677386	0.695963052
2.25	8.477	6.781	1.696	22.039	0.058022580	0.753985631
2.50	8.659	6.331	2.328	24.367	0.079644201	0.833629832
2.75	6.565	4.211	2.354	26.721	0.080533698	0.914163531
3.00	3.538	2.024	1.514	28.235	0.051796100	0.965959631
3.25	1.141	0.632	0.509	28.744	0.017413616	0.983373247
3.50	0.871	0.719	0.152	28.896	0.005200137	0.988573384
3.75	1.057	0.911	0.146	29.042	0.004994868	0.993568252
4.00	0.515	0.422	0.093	29.135	0.003181663	0.996749914
PAN	0.333	0.238	0.095	29.230	0.003250086	1.0

TOTAL WT.	65.584	grams
CO3 WT	29.230	grams
% CARBONATE	44.569	

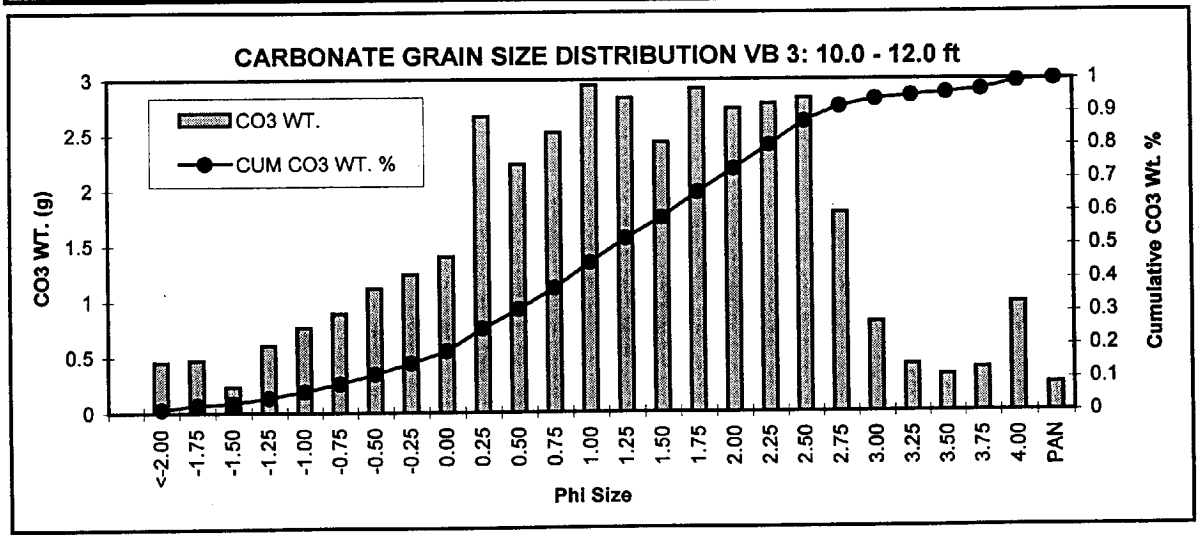


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 3: 10.0 - 12.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.454	0.000	0.454	0.454	0.011624632	0.011624632
-1.75	0.474	0.000	0.474	0.928	0.012136730	0.023761362
-1.50	0.234	0.000	0.234	1.162	0.005991550	0.029752913
-1.25	0.605	0.000	0.605	1.767	0.015490974	0.045243887
-1.00	0.767	0.000	0.767	2.534	0.019638971	0.064882858
-0.75	0.891	0.000	0.891	3.425	0.022813980	0.087696838
-0.50	1.117	0.000	1.117	4.542	0.028600691	0.116297529
-0.25	1.274	0.029	1.245	5.787	0.031878121	0.148175650
0.00	1.448	0.046	1.402	7.189	0.035898092	0.184073742
0.25	2.881	0.213	2.668	9.857	0.068313916	0.252387658
0.50	2.649	0.419	2.230	12.087	0.057098963	0.309486621
0.75	3.332	0.813	2.519	14.606	0.064498784	0.373985405
1.00	4.439	1.490	2.949	17.555	0.075508898	0.449494303
1.25	5.090	2.259	2.831	20.386	0.072487518	0.521981821
1.50	5.495	3.063	2.432	22.818	0.062271156	0.584252977
1.75	8.786	5.867	2.919	25.737	0.074740750	0.658993727
2.00	9.321	6.590	2.731	28.468	0.069927026	0.728920753
2.25	10.302	7.525	2.777	31.245	0.071104852	0.800025605
2.50	8.262	5.436	2.826	34.071	0.072359493	0.872385098
2.75	3.543	1.753	1.790	35.861	0.045832800	0.918217898
3.00	1.445	0.637	0.808	36.669	0.020688772	0.938906670
3.25	0.808	0.385	0.423	37.092	0.010830880	0.949737550
3.50	1.063	0.732	0.331	37.423	0.008475227	0.958212777
3.75	1.775	1.384	0.391	37.814	0.010011522	0.968224299
4.00	1.350	0.364	0.986	38.800	0.025246447	0.993470746
PAN	0.919	0.664	0.255	39.055	0.006529254	1.0

TOTAL WT.	78.724	grams
CO3 WT	39.055	grams
% CARBONATE	49.610	

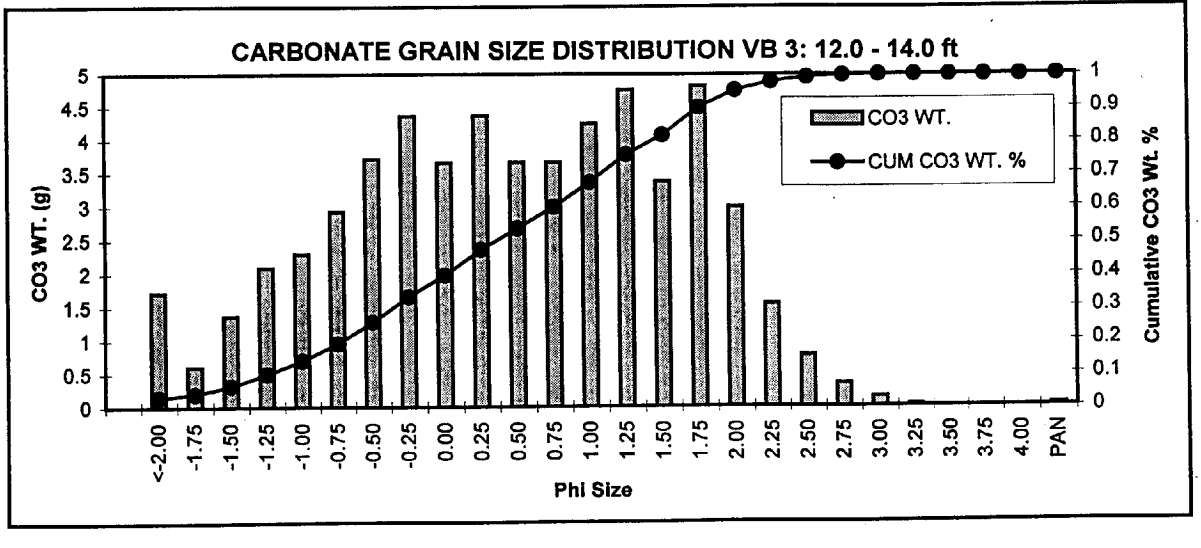


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 3: 12.0 - 14.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.719	0.000	1.719	1.719	0.029895652	0.029895652
-1.75	0.610	0.000	0.610	2.329	0.010608696	0.040504348
-1.50	1.371	0.000	1.371	3.700	0.023843478	0.064347826
-1.25	2.094	0.000	2.094	5.794	0.036417391	0.100765217
-1.00	2.298	0.000	2.298	8.092	0.039965217	0.140730435
-0.75	2.942	0.015	2.927	11.019	0.050904348	0.191634783
-0.50	3.743	0.027	3.716	14.735	0.064626087	0.256260870
-0.25	4.440	0.076	4.364	19.099	0.075895652	0.332156522
0.00	3.797	0.139	3.658	22.757	0.063617391	0.395773913
0.25	4.640	0.269	4.371	27.128	0.076017391	0.471791304
0.50	4.146	0.484	3.662	30.790	0.063686957	0.535478261
0.75	4.567	0.902	3.665	34.455	0.063739130	0.599217391
1.00	6.251	1.999	4.252	38.707	0.073947826	0.673165217
1.25	8.517	3.758	4.759	43.466	0.082765217	0.755930435
1.50	9.550	6.177	3.373	46.839	0.058660870	0.814591304
1.75	15.328	10.509	4.819	51.658	0.083808696	0.898400000
2.00	10.228	7.238	2.990	54.648	0.052000000	0.950400000
2.25	5.135	3.593	1.542	56.190	0.026817391	0.977217391
2.50	2.151	1.379	0.772	56.962	0.013426087	0.990643478
2.75	0.826	0.482	0.344	57.306	0.005982609	0.996626087
3.00	0.392	0.250	0.142	57.448	0.002469565	0.999095652
3.25	0.124	0.107	0.017	57.465	0.000295652	0.999391304
3.50	0.077	0.076	0.001	57.466	0.000017391	0.999408696
3.75	0.051	0.050	0.001	57.467	0.000017391	0.999426087
4.00	0.046	0.045	0.001	57.468	0.000017391	0.999443478
PAN	0.074	0.042	0.032	57.500	0.000556522	1.0

TOTAL WT.	95.117	grams
CO3 WT	57.500	grams
% CARBONATE	60.452	

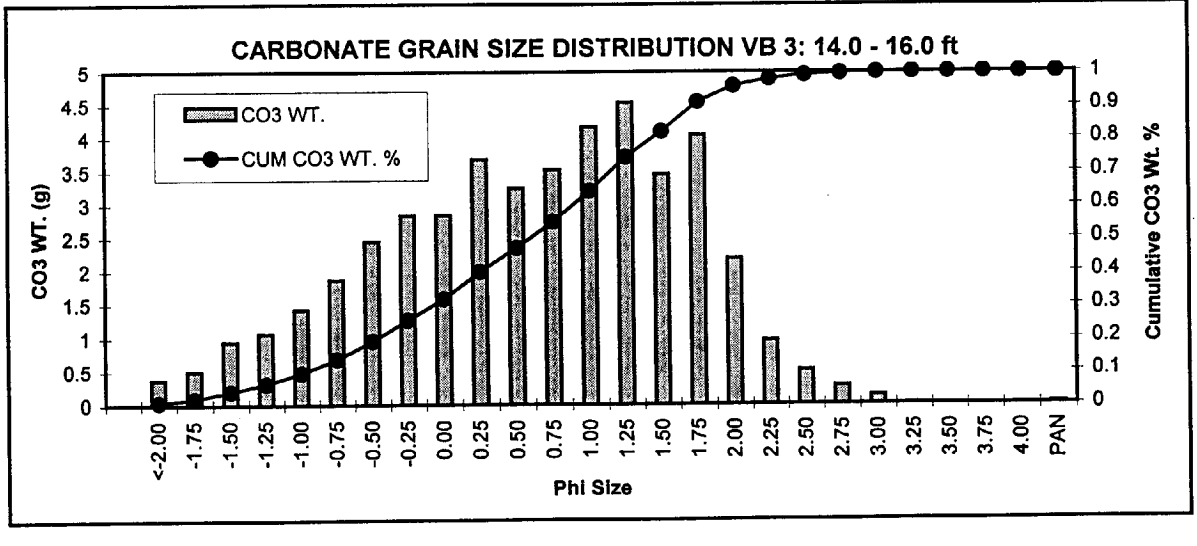


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 3: 14.0 - 16.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.378	0.000	0.378	0.378	0.008378402	0.008378402
-1.75	0.502	0.000	0.502	0.880	0.011126873	0.019505275
-1.50	0.946	0.000	0.946	1.826	0.020968171	0.040473446
-1.25	1.066	0.000	1.066	2.892	0.023627981	0.064101427
-1.00	1.428	0.000	1.428	4.320	0.031651742	0.095753170
-0.75	1.879	0.009	1.870	6.190	0.041448710	0.137201880
-0.50	2.470	0.014	2.456	8.646	0.054437450	0.191639330
-0.25	2.875	0.032	2.843	11.489	0.063015338	0.254654668
0.00	2.971	0.121	2.850	14.339	0.063170494	0.317825162
0.25	3.910	0.226	3.684	18.023	0.081656175	0.399481337
0.50	3.699	0.446	3.253	21.276	0.072103023	0.471584360
0.75	4.346	0.816	3.530	24.806	0.078242752	0.549827112
1.00	6.195	2.025	4.170	28.976	0.092428407	0.642255519
1.25	8.626	4.089	4.537	33.513	0.100562993	0.742818512
1.50	10.291	6.832	3.459	36.972	0.076669031	0.819487543
1.75	16.139	12.093	4.046	41.018	0.089679936	0.909167479
2.00	10.840	8.647	2.193	43.211	0.048608033	0.957775512
2.25	5.224	4.261	0.963	44.174	0.021344977	0.979120489
2.50	1.905	1.393	0.512	44.686	0.011348524	0.990469013
2.75	0.795	0.521	0.274	44.960	0.006073233	0.996542247
3.00	0.399	0.274	0.125	45.085	0.002770636	0.999312882
3.25	0.122	0.109	0.013	45.098	0.000288146	0.999601028
3.50	0.071	0.070	0.001	45.099	0.000022165	0.999623194
3.75	0.052	0.051	0.001	45.100	0.000022165	0.999645359
4.00	0.047	0.044	0.003	45.103	0.000066495	0.999711854
PAN	0.070	0.057	0.013	45.116	0.000288146	1.0

TOTAL WT.	87.246	grams
CO3 WT	45.116	grams
% CARBONATE	51.711	

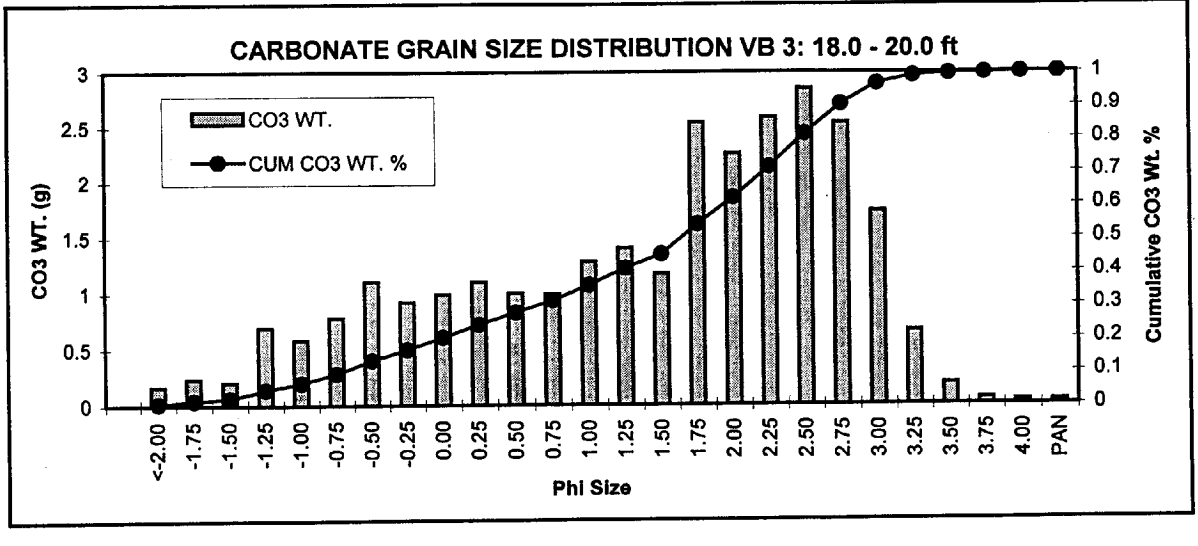


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 3: 18.0 - 20.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.166	0.000	0.166	0.166	0.005896352	0.005896352
-1.75	0.235	0.000	0.235	0.401	0.008347245	0.014243597
-1.50	0.207	0.000	0.207	0.608	0.007352680	0.021596277
-1.25	0.695	0.000	0.695	1.303	0.024686534	0.046282812
-1.00	0.585	0.000	0.585	1.888	0.020779313	0.067062125
-0.75	0.786	0.000	0.786	2.674	0.027918872	0.094980997
-0.50	1.120	0.013	1.107	3.781	0.039320854	0.134301851
-0.25	0.950	0.026	0.924	4.705	0.032820659	0.167122509
0.00	1.031	0.039	0.992	5.697	0.035236032	0.202358541
0.25	1.179	0.076	1.103	6.800	0.039178773	0.241537314
0.50	1.152	0.151	1.001	7.801	0.035555713	0.277093027
0.75	1.216	0.222	0.994	8.795	0.035307072	0.312400099
1.00	1.717	0.431	1.286	10.081	0.045678968	0.358079068
1.25	2.340	0.936	1.404	11.485	0.049870351	0.407949419
1.50	2.947	1.772	1.175	12.660	0.041736227	0.449685646
1.75	7.611	5.072	2.539	15.199	0.090185771	0.539871417
2.00	9.721	7.463	2.258	17.457	0.080204596	0.620076013
2.25	12.374	9.785	2.589	20.046	0.091961780	0.712037793
2.50	12.713	9.865	2.848	22.894	0.101161510	0.813199304
2.75	8.624	6.084	2.540	25.434	0.090221291	0.903420595
3.00	5.174	3.437	1.737	27.171	0.061698576	0.965119170
3.25	1.906	1.244	0.662	27.833	0.023514368	0.988633538
3.50	0.697	0.505	0.192	28.025	0.006819877	0.995453415
3.75	0.218	0.163	0.055	28.080	0.001953611	0.997407026
4.00	0.095	0.057	0.038	28.118	0.001349767	0.998756793
PAN	0.092	0.057	0.035	28.153	0.001243207	1.0

TOTAL WT.	75.551	grams
CO3 WT	28.153	grams
% CARBONATE	37.264	

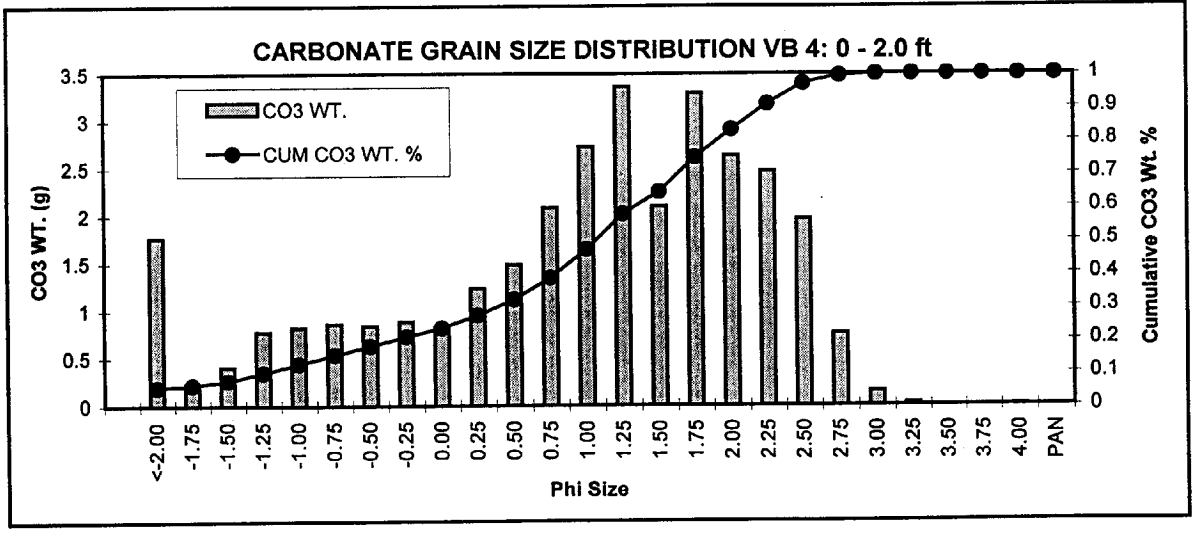


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 4: 0 - 2.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.769	0.000	1.769	1.769	0.055769231	0.055769231
-1.75	0.233	0.000	0.233	2.002	0.007345523	0.063114754
-1.50	0.404	0.000	0.404	2.406	0.012736444	0.075851198
-1.25	0.782	0.000	0.782	3.188	0.024653216	0.100504414
-1.00	0.825	0.000	0.825	4.013	0.026008827	0.126513241
-0.75	0.863	0.000	0.863	4.876	0.027206810	0.153720050
-0.50	0.841	0.000	0.841	5.717	0.026513241	0.180233291
-0.25	0.889	0.000	0.889	6.606	0.028026482	0.208259773
0.00	0.852	0.021	0.831	7.437	0.026197982	0.234457755
0.25	1.446	0.214	1.232	8.669	0.038839849	0.273297604
0.50	2.531	1.040	1.491	10.160	0.047005044	0.320302648
0.75	4.543	2.454	2.089	12.249	0.065857503	0.386160151
1.00	7.056	4.334	2.722	14.971	0.085813367	0.471973518
1.25	9.332	5.970	3.362	18.333	0.105989912	0.577963430
1.50	9.716	7.619	2.097	20.430	0.066109710	0.644073140
1.75	14.242	10.948	3.294	23.724	0.103846154	0.747919294
2.00	12.409	9.781	2.628	26.352	0.082849937	0.830769231
2.25	10.241	7.775	2.466	28.818	0.077742749	0.908511980
2.50	5.839	3.877	1.962	30.780	0.061853720	0.970365700
2.75	1.545	0.786	0.759	31.539	0.023928121	0.994293821
3.00	0.345	0.195	0.150	31.689	0.004728878	0.999022699
3.25	0.140	0.114	0.026	31.715	0.000819672	0.999842371
3.50	0.150	0.149	0.001	31.716	0.000031526	0.999873897
3.75	0.115	0.115	0.000	31.716	0.000000000	0.999873897
4.00	0.083	0.080	0.003	31.719	0.000094578	0.999968474
PAN	0.073	0.072	0.001	31.720	0.000031526	1.0

TOTAL WT.	87.264	grams
CO3 WT	31.720	grams
% CARBONATE	36.349	

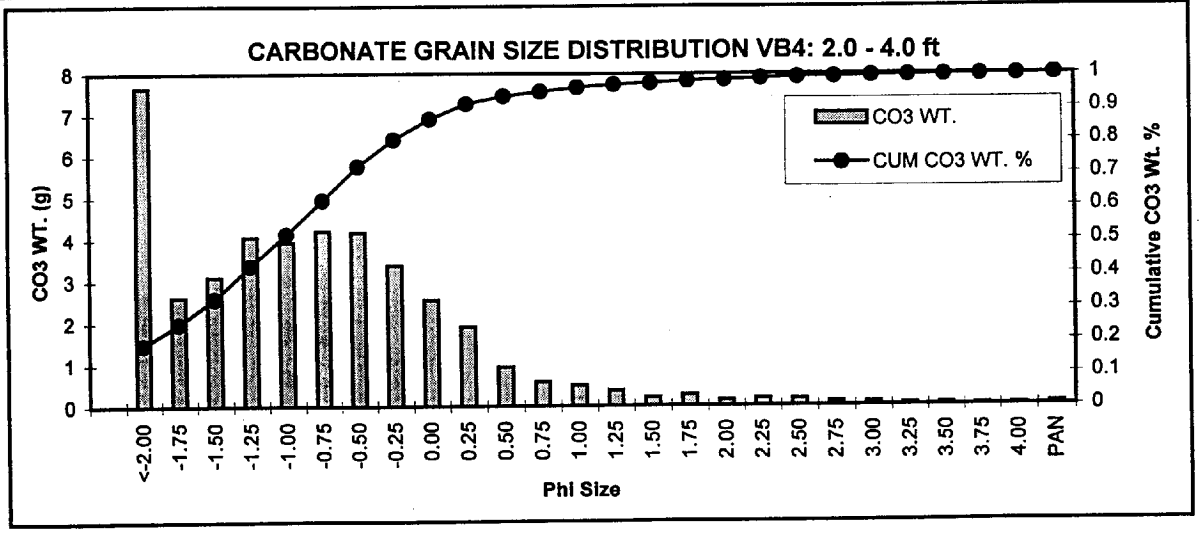


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 4: 2.0 - 4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	7.651	0.000	7.651	7.651	0.185097375	0.185097375
-1.75	2.614	0.000	2.614	10.265	0.063239386	0.248336761
-1.50	3.105	0.000	3.105	13.370	0.075117939	0.323454699
-1.25	4.062	0.000	4.062	17.432	0.098270231	0.421724930
-1.00	3.939	0.000	3.939	21.371	0.095294545	0.517019475
-0.75	4.206	0.000	4.206	25.577	0.101753962	0.618773437
-0.50	4.178	0.000	4.178	29.755	0.101076569	0.719850006
-0.25	3.374	0.000	3.374	33.129	0.081625741	0.801475747
0.00	2.605	0.058	2.547	35.676	0.061618483	0.863094230
0.25	2.010	0.105	1.905	37.581	0.046086851	0.909181081
0.50	1.103	0.158	0.945	38.526	0.022861981	0.932043063
0.75	0.778	0.197	0.581	39.107	0.014055885	0.946098948
1.00	0.756	0.261	0.495	39.602	0.011975324	0.958074271
1.25	0.687	0.317	0.370	39.972	0.008951252	0.967025523
1.50	0.479	0.271	0.208	40.180	0.005032055	0.972057578
1.75	0.764	0.503	0.261	40.441	0.006314262	0.978371840
2.00	0.596	0.467	0.129	40.570	0.003120842	0.981492682
2.25	0.539	0.367	0.172	40.742	0.004161123	0.985653804
2.50	0.333	0.181	0.152	40.894	0.003677271	0.989331075
2.75	0.155	0.056	0.099	40.993	0.002395065	0.991726140
3.00	0.124	0.037	0.087	41.080	0.002104754	0.993830894
3.25	0.087	0.030	0.057	41.137	0.001378977	0.995209871
3.50	0.100	0.044	0.056	41.193	0.001354784	0.996564655
3.75	0.083	0.044	0.039	41.232	0.000943510	0.997508165
4.00	0.086	0.045	0.041	41.273	0.000991895	0.998500060
PAN	0.129	0.067	0.062	41.335	0.001499940	1.0

TOTAL WT.	44.543	grams
CO3 WT	41.335	grams
% CARBONATE	92.798	

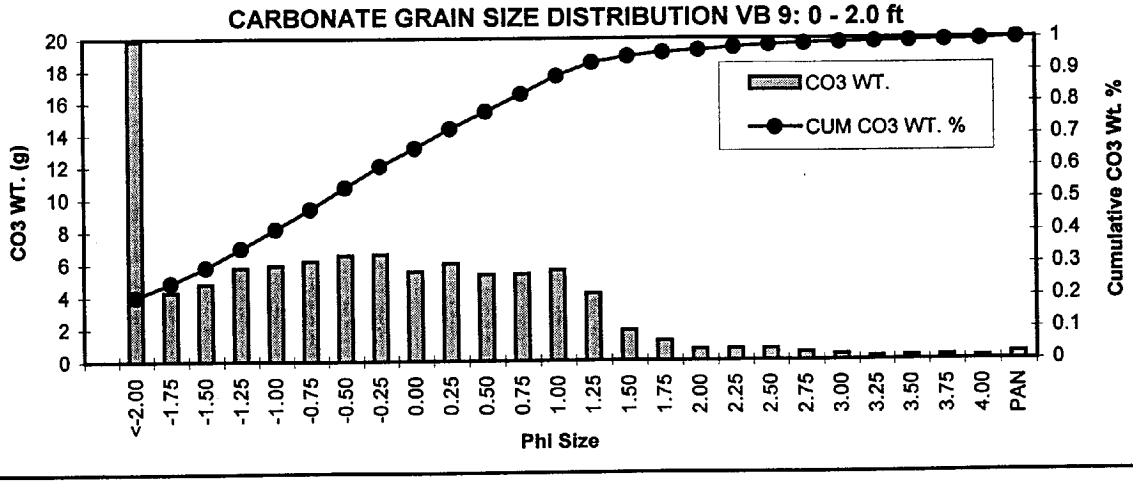


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 9: 0 - 2.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	19.874	0.000	19.874	19.874	0.199752746	0.199752746
-1.75	4.266	0.000	4.266	24.140	0.042877388	0.242630135
-1.50	4.786	0.000	4.786	28.926	0.048103887	0.290734021
-1.25	5.782	0.000	5.782	34.708	0.058114641	0.348848663
-1.00	5.899	0.000	5.899	40.607	0.059290603	0.408139266
-0.75	6.212	0.000	6.212	46.819	0.062436553	0.470575819
-0.50	6.593	0.053	6.540	53.359	0.065733268	0.536309087
-0.25	6.722	0.104	6.618	59.977	0.066517242	0.602826329
0.00	5.680	0.162	5.518	65.495	0.055461188	0.658287518
0.25	6.223	0.191	6.032	71.527	0.060627381	0.718914899
0.50	5.547	0.207	5.340	76.867	0.053672118	0.772587016
0.75	5.692	0.311	5.381	82.248	0.054084207	0.826671223
1.00	6.120	0.489	5.631	87.879	0.056596947	0.883268170
1.25	5.073	0.900	4.173	92.052	0.041942649	0.925210819
1.50	2.456	0.582	1.874	93.926	0.018835496	0.944046315
1.75	1.761	0.508	1.253	95.179	0.012593851	0.956640166
2.00	1.027	0.346	0.681	95.860	0.006844703	0.963484868
2.25	0.967	0.247	0.720	96.580	0.007236690	0.970721558
2.50	0.871	0.146	0.725	97.305	0.007286945	0.978008503
2.75	0.555	0.065	0.490	97.795	0.004924970	0.982933473
3.00	0.389	0.045	0.344	98.139	0.003457530	0.986391002
3.25	0.248	0.032	0.216	98.355	0.002171007	0.988562009
3.50	0.296	0.054	0.242	98.597	0.002432332	0.990994341
3.75	0.301	0.052	0.249	98.846	0.002502689	0.993497030
4.00	0.252	0.052	0.200	99.046	0.002010192	0.995507222
PAN	0.519	0.072	0.447	99.493	0.004492778	1.0

TOTAL WT.	104.111	grams
CO3 WT	99.493	grams
% CARBONATE	95.564	

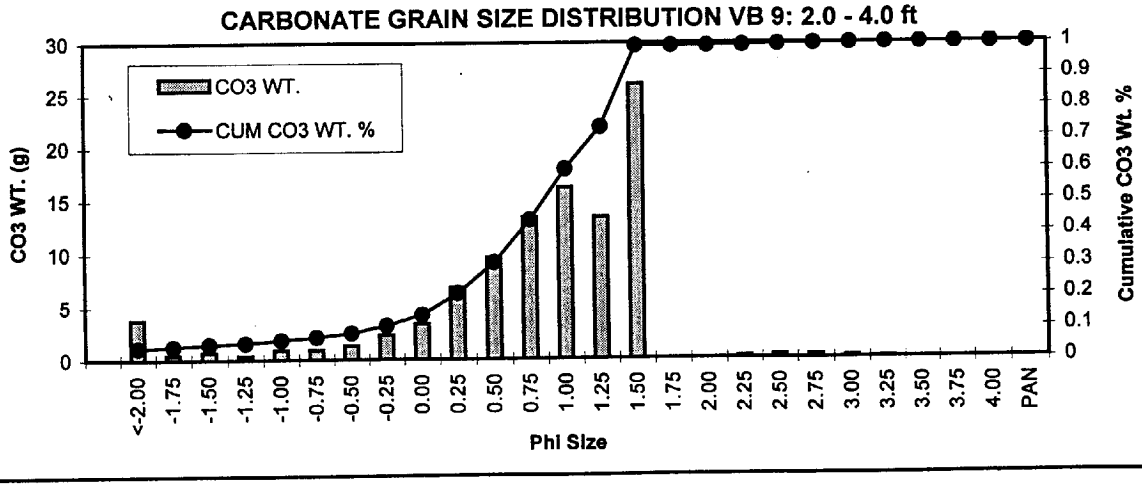


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 9: 2.0 - 4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	3.779	0.000	3.779	3.779	0.037572829	0.037572829
-1.75	0.444	0.000	0.444	4.223	0.004414484	0.041987313
-1.50	0.715	0.000	0.715	4.938	0.007108910	0.049096224
-1.25	0.409	0.000	0.409	5.347	0.004066496	0.053162719
-1.00	0.893	0.011	0.882	6.229	0.008769313	0.061932033
-0.75	0.974	0.026	0.948	7.177	0.009425520	0.071357553
-0.50	1.373	0.036	1.337	8.514	0.013293166	0.084650719
-0.25	2.455	0.119	2.336	10.850	0.023225755	0.107876474
0.00	3.666	0.287	3.379	14.229	0.033595816	0.141472290
0.25	7.403	0.596	6.807	21.036	0.067678816	0.209151107
0.50	10.402	0.765	9.637	30.673	0.095816182	0.304967289
0.75	14.423	1.049	13.374	44.047	0.132971425	0.437938714
1.00	18.125	1.949	16.176	60.223	0.160830400	0.598769115
1.25	16.384	2.984	13.400	73.623	0.133229931	0.731999046
1.50	28.607	2.614	25.993	99.616	0.258436239	0.990435284
1.75	0.962	0.961	0.001	99.617	0.000009943	0.990445227
2.00	1.400	1.399	0.001	99.618	0.000009943	0.990455169
2.25	1.375	1.194	0.181	99.799	0.001799598	0.992254767
2.50	0.796	0.527	0.269	100.068	0.002674541	0.994929309
2.75	0.459	0.198	0.261	100.329	0.002595001	0.997524309
3.00	0.272	0.108	0.164	100.493	0.001630575	0.999154885
3.25	0.120	0.058	0.062	100.555	0.000616437	0.999771322
3.50	0.067	0.055	0.012	100.567	0.000119310	0.999890632
3.75	0.066	0.057	0.009	100.576	0.000089483	0.999980115
4.00	0.054	0.053	0.001	100.577	0.000009943	0.999990057
PAN	0.023	0.022	0.001	100.578	0.000009943	1.0

TOTAL WT.	115.646	grams
CO3 WT	100.578	grams
% CARBONATE	86.971	

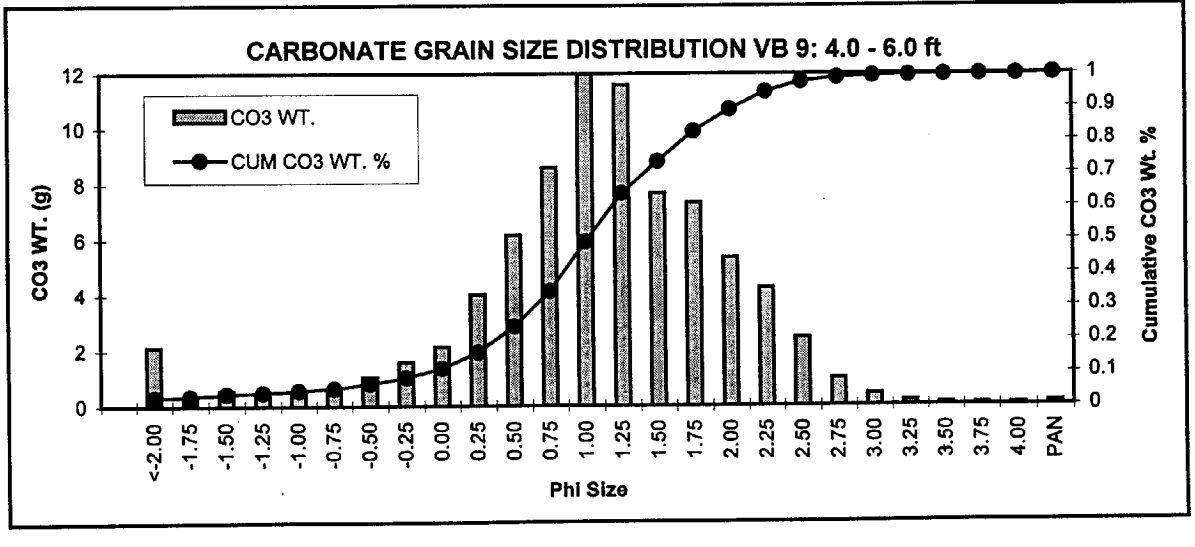


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 9: 4.0 - 6.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.126	0.000	2.126	2.126	0.026436210	0.026436210
-1.75	0.244	0.000	0.244	2.370	0.003034071	0.029470281
-1.50	0.554	0.000	0.554	2.924	0.006888834	0.036359115
-1.25	0.345	0.000	0.345	3.269	0.004289978	0.040649092
-1.00	0.484	0.000	0.484	3.753	0.006018403	0.046667496
-0.75	0.543	0.003	0.540	4.293	0.006714748	0.053382243
-0.50	1.058	0.000	1.058	5.351	0.013155931	0.066538175
-0.25	1.609	0.031	1.578	6.929	0.019621985	0.086160159
0.00	2.221	0.081	2.140	9.069	0.026610296	0.112770455
0.25	4.191	0.159	4.032	13.101	0.050136782	0.162907237
0.50	6.305	0.135	6.170	19.271	0.076722208	0.239629445
0.75	8.905	0.312	8.593	27.864	0.106851529	0.346480975
1.00	13.054	1.067	11.987	39.851	0.149054961	0.495535936
1.25	14.608	3.031	11.577	51.428	0.143956727	0.639492664
1.50	10.843	3.168	7.675	59.103	0.095436459	0.734929122
1.75	10.629	3.321	7.308	66.411	0.090872917	0.825802039
2.00	7.786	2.451	5.335	71.746	0.066339219	0.892141258
2.25	6.125	1.853	4.272	76.018	0.053121114	0.945262373
2.50	3.101	0.633	2.468	78.486	0.030688883	0.975951256
2.75	1.133	0.143	0.990	79.476	0.012310371	0.988261626
3.00	0.519	0.098	0.421	79.897	0.005235016	0.993496643
3.25	0.228	0.057	0.171	80.068	0.002126337	0.995622979
3.50	0.144	0.050	0.094	80.162	0.001168863	0.996791843
3.75	0.124	0.051	0.073	80.235	0.000907734	0.997699577
4.00	0.103	0.047	0.056	80.291	0.000696344	0.998395921
PAN	0.220	0.091	0.129	80.420	0.001604079	1.0

TOTAL WT.	97.202	grams
CO3 WT	80.420	grams
% CARBONATE	82.735	

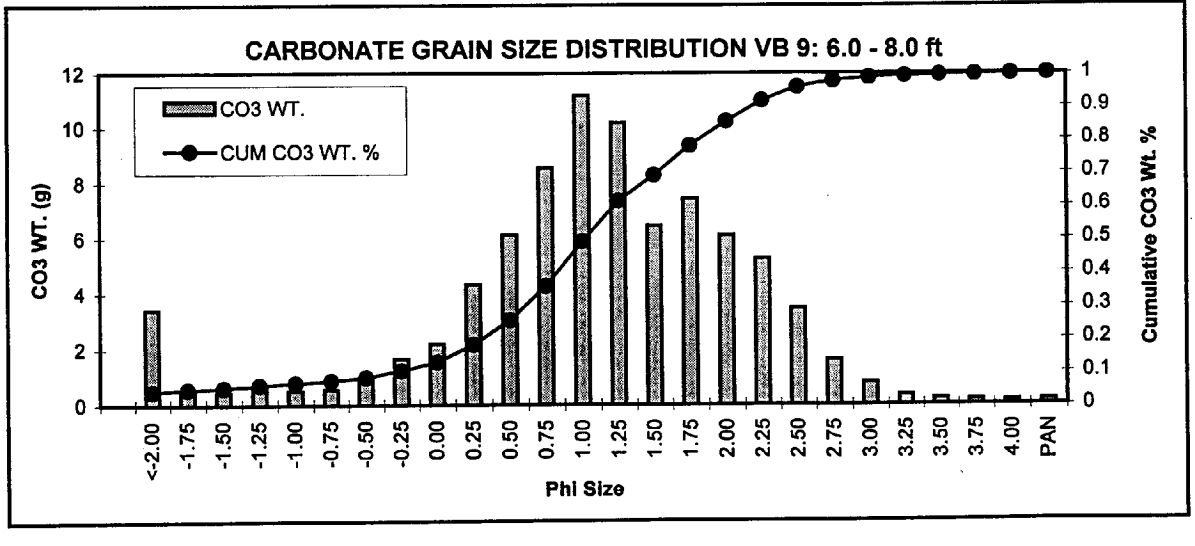


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 9: 6.0 - 8.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	3.424	0.000	3.424	3.424	0.040994205	0.040994205
-1.75	0.441	0.000	0.441	3.865	0.005279920	0.046274125
-1.50	0.445	0.000	0.445	4.310	0.005327810	0.051601935
-1.25	0.635	0.000	0.635	4.945	0.007602605	0.059204540
-1.00	0.512	0.000	0.512	5.457	0.006129975	0.065334515
-0.75	0.564	0.002	0.562	6.019	0.006728605	0.072063120
-0.50	0.943	0.000	0.943	6.962	0.011290168	0.083353288
-0.25	1.680	0.021	1.659	8.621	0.019862554	0.103215842
0.00	2.227	0.026	2.201	10.822	0.026351707	0.129567549
0.25	4.423	0.082	4.341	15.163	0.051973086	0.181540635
0.50	6.251	0.118	6.133	21.296	0.073427997	0.254968632
0.75	8.786	0.230	8.556	29.852	0.102437623	0.357406254
1.00	11.972	0.790	11.182	41.034	0.133877688	0.491283942
1.25	12.307	2.117	10.190	51.224	0.122000862	0.613284804
1.50	8.691	2.237	6.454	57.678	0.077271203	0.690556008
1.75	9.796	2.369	7.427	65.105	0.088920550	0.779476558
2.00	8.066	1.950	6.116	71.221	0.073224462	0.852701020
2.25	7.057	1.788	5.269	76.490	0.063083665	0.915784685
2.50	4.159	0.680	3.479	79.969	0.041652699	0.957437383
2.75	1.808	0.175	1.633	81.602	0.019551267	0.976988650
3.00	0.944	0.126	0.818	82.420	0.009793592	0.986782242
3.25	0.439	0.082	0.357	82.777	0.004274221	0.991056463
3.50	0.315	0.078	0.237	83.014	0.002837508	0.993893971
3.75	0.239	0.067	0.172	83.186	0.002059288	0.995953259
4.00	0.223	0.070	0.153	83.339	0.001831809	0.997785068
PAN	0.282	0.097	0.185	83.524	0.002214932	1.0

TOTAL WT.	96.629	grams
CO3 WT	83.524	grams
% CARBONATE	86.438	

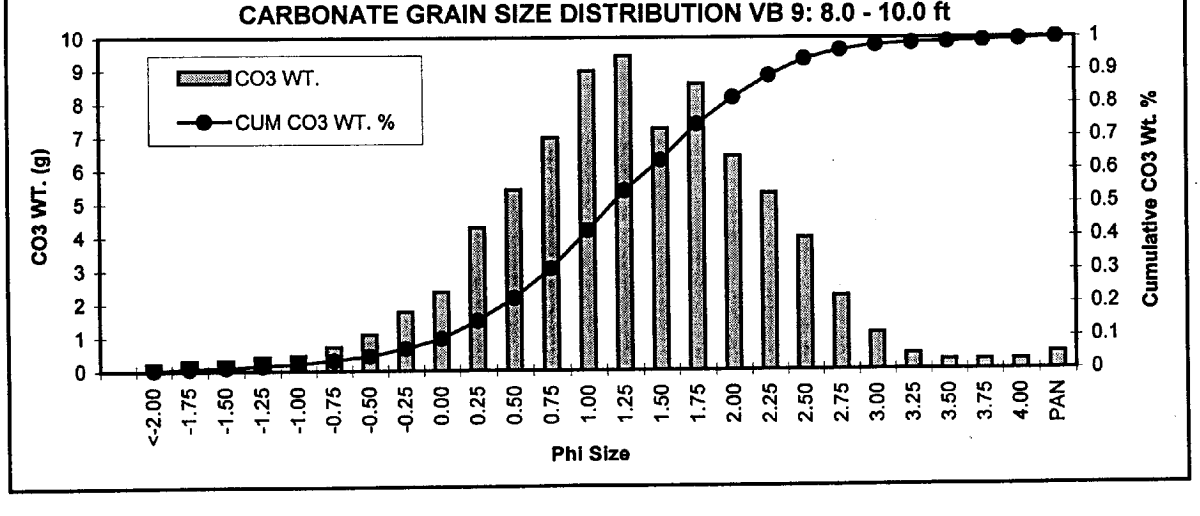


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 9: 8.0 - 10.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.225	0.000	0.225	0.225	0.002831934	0.002831934
-1.75	0.303	0.000	0.303	0.528	0.003813671	0.006645605
-1.50	0.323	0.000	0.323	0.851	0.004065399	0.010711004
-1.25	0.414	0.000	0.414	1.265	0.005210759	0.015921763
-1.00	0.459	0.000	0.459	1.724	0.005777146	0.021698909
-0.75	0.729	0.009	0.720	2.444	0.009062189	0.030761098
-0.50	1.113	0.032	1.081	3.525	0.013605870	0.044366968
-0.25	1.832	0.058	1.774	5.299	0.022328227	0.066695196
0.00	2.506	0.132	2.374	7.673	0.029880052	0.096575248
0.25	4.617	0.327	4.290	11.963	0.053995544	0.150570792
0.50	5.804	0.394	5.410	17.373	0.068092283	0.218663075
0.75	7.615	0.638	6.977	24.350	0.087815131	0.306478207
1.00	10.144	1.157	8.987	33.337	0.113113743	0.419591950
1.25	11.435	1.993	9.442	42.779	0.118840543	0.538432493
1.50	10.052	2.801	7.251	50.030	0.091263798	0.629696291
1.75	12.291	3.692	8.599	58.629	0.108230230	0.737926521
2.00	8.951	2.541	6.410	65.039	0.080678657	0.818605178
2.25	6.816	1.514	5.302	70.341	0.066732955	0.885338133
2.50	4.583	0.615	3.968	74.309	0.049942732	0.935280865
2.75	2.447	0.221	2.226	76.535	0.028017269	0.963298133
3.00	1.294	0.180	1.114	77.649	0.014021221	0.977319354
3.25	0.565	0.103	0.462	78.111	0.005814905	0.983134259
3.50	0.384	0.099	0.285	78.396	0.003587117	0.986721375
3.75	0.398	0.118	0.280	78.676	0.003524185	0.990245560
4.00	0.426	0.150	0.276	78.952	0.003473839	0.993719399
PAN	0.688	0.189	0.499	79.451	0.006280601	1.0

TOTAL WT.	96.414	grams
CO3 WT	79.451	grams
% CARBONATE	82.406	

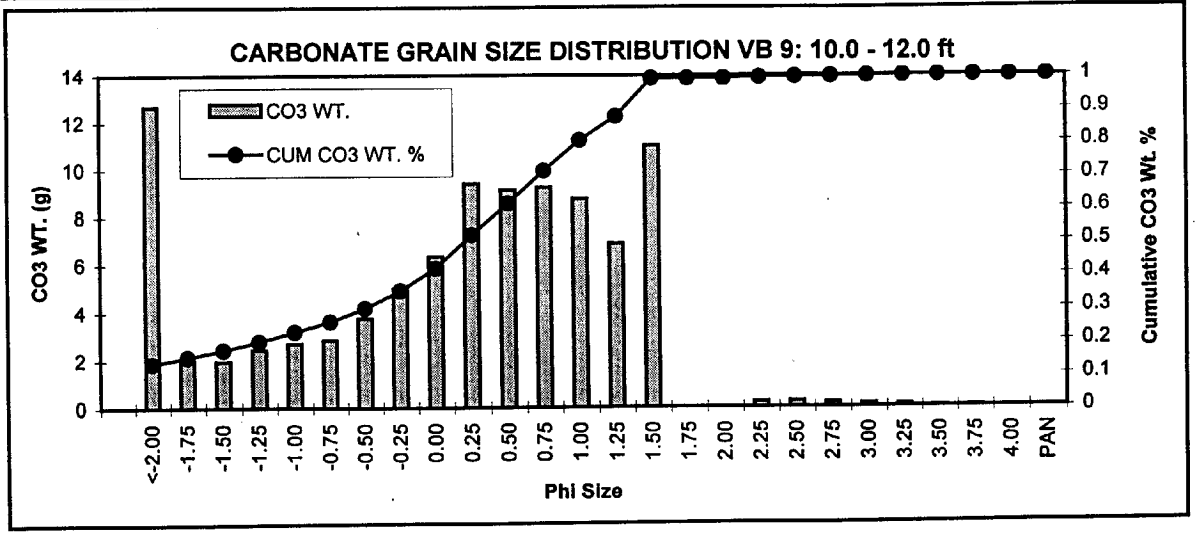


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 9: 10.0 - 12.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	12.687	0.000	12.687	12.687	0.133401329	0.133401329
-1.75	1.971	0.000	1.971	14.658	0.020724680	0.154126009
-1.50	1.964	0.000	1.964	16.622	0.020651077	0.174777086
-1.25	2.455	0.000	2.455	19.077	0.025813846	0.200590932
-1.00	2.702	0.000	2.702	21.779	0.028411003	0.229001935
-0.75	2.898	0.036	2.862	24.641	0.030093371	0.259095306
-0.50	4.052	0.282	3.770	28.411	0.039640814	0.298736120
-0.25	5.625	0.611	5.014	33.425	0.052721231	0.351457352
0.00	7.613	1.282	6.331	39.756	0.066569229	0.418026581
0.25	11.178	1.772	9.406	49.162	0.098902254	0.516928836
0.50	10.877	1.723	9.154	58.316	0.096252524	0.613181359
0.75	10.910	1.659	9.251	67.567	0.097272460	0.710453819
1.00	10.614	1.853	8.761	76.328	0.092120205	0.802574024
1.25	8.974	2.095	6.879	83.207	0.072331343	0.874905367
1.50	12.869	1.877	10.992	94.199	0.115578735	0.990484102
1.75	1.879	1.878	0.001	94.200	0.000010515	0.990494616
2.00	1.308	1.307	0.001	94.201	0.000010515	0.990505131
2.25	0.783	0.568	0.215	94.416	0.002260683	0.992765814
2.50	0.436	0.211	0.225	94.641	0.002365831	0.995131645
2.75	0.264	0.076	0.188	94.829	0.001976783	0.997108429
3.00	0.208	0.071	0.137	94.966	0.001440528	0.998548957
3.25	0.136	0.057	0.079	95.045	0.000830670	0.999379627
3.50	0.082	0.063	0.019	95.064	0.000199781	0.999579408
3.75	0.088	0.066	0.022	95.086	0.000231326	0.999810734
4.00	0.098	0.081	0.017	95.103	0.000178752	0.999989485
PAN	0.095	0.094	0.001	95.104	0.000010515	1.0

TOTAL WT.	112.766	grams
CO3 WT	95.104	grams
% CARBONATE	84.337	

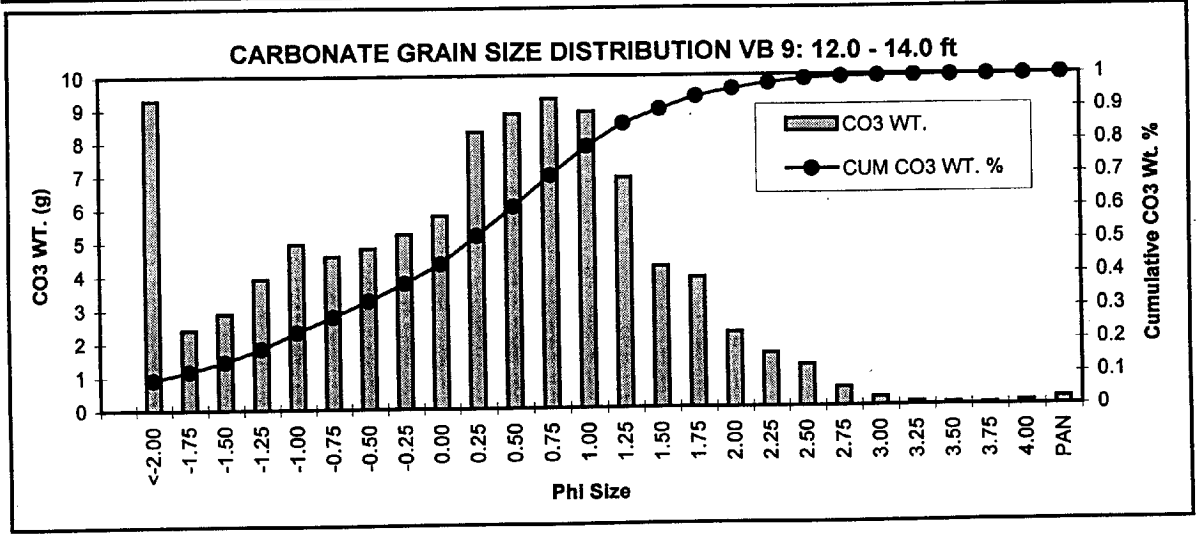


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 9: 12.0 - 14.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	9.292	0.000	9.292	9.292	0.092200833	0.092200833
-1.75	2.403	0.000	2.403	11.695	0.023844017	0.116044850
-1.50	2.887	0.000	2.887	14.582	0.028646557	0.144691407
-1.25	3.913	0.000	3.913	18.495	0.038827148	0.183518555
-1.00	4.969	0.017	4.952	23.447	0.049136733	0.232655289
-0.75	4.609	0.021	4.588	28.035	0.045524906	0.278180194
-0.50	4.961	0.144	4.817	32.852	0.047797182	0.325977376
-0.25	5.687	0.442	5.245	38.097	0.052044056	0.378021433
0.00	6.855	1.060	5.795	43.892	0.057501488	0.435522921
0.25	10.233	1.930	8.303	52.195	0.082387378	0.517910300
0.50	10.869	2.025	8.844	61.039	0.087755507	0.605665807
0.75	11.221	1.925	9.296	70.335	0.092240524	0.697906331
1.00	11.243	2.337	8.906	79.241	0.088370708	0.786277039
1.25	9.638	2.719	6.919	86.160	0.068654495	0.854931534
1.50	6.859	2.609	4.250	90.410	0.042171066	0.897102600
1.75	6.973	3.067	3.906	94.316	0.038757690	0.935860290
2.00	3.993	1.740	2.253	96.569	0.022355626	0.958215916
2.25	2.515	0.909	1.606	98.175	0.015935702	0.974151617
2.50	1.675	0.435	1.240	99.415	0.012304029	0.986455646
2.75	0.745	0.181	0.564	99.979	0.005596348	0.992051994
3.00	0.356	0.111	0.245	100.224	0.002431038	0.994483032
3.25	0.163	0.065	0.098	100.322	0.000972415	0.995455448
3.50	0.188	0.120	0.068	100.390	0.000674737	0.996130185
3.75	0.178	0.127	0.051	100.441	0.000506053	0.996636237
4.00	0.227	0.110	0.117	100.558	0.001160945	0.997797182
PAN	0.374	0.152	0.222	100.780	0.002202818	1.0

TOTAL WT.	123.026	grams
CO3 WT	100.780	grams
% CARBONATE	81.918	

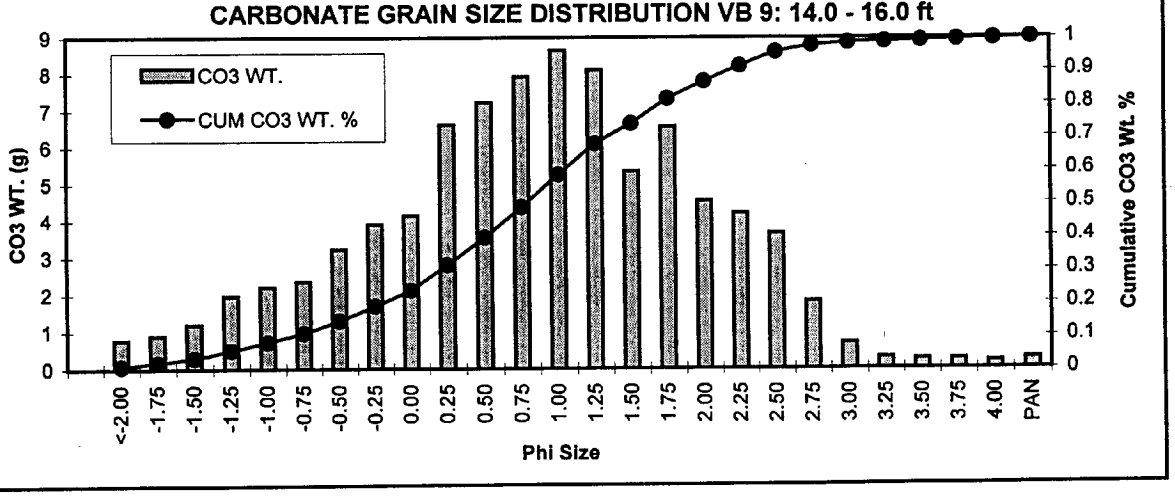


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 9: 14.0 - 16.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.772	0.000	0.772	0.772	0.008830426	0.008830426
-1.75	0.908	0.000	0.908	1.680	0.010386045	0.019216471
-1.50	1.208	0.000	1.208	2.888	0.013817558	0.033034029
-1.25	1.975	0.000	1.975	4.863	0.022590792	0.055624821
-1.00	2.212	0.000	2.212	7.075	0.025301687	0.080926508
-0.75	2.384	0.015	2.369	9.444	0.027097512	0.108024021
-0.50	3.272	0.036	3.236	12.680	0.037014584	0.145038605
-0.25	4.222	0.308	3.914	16.594	0.044769803	0.189808407
0.00	4.736	0.585	4.151	20.745	0.047480698	0.237289105
0.25	7.575	0.963	6.612	27.357	0.075630540	0.312919645
0.50	8.244	1.018	7.226	34.583	0.082653703	0.395573349
0.75	8.944	1.014	7.930	42.513	0.090706320	0.486279668
1.00	10.127	1.487	8.640	51.153	0.098827566	0.585107235
1.25	10.877	2.772	8.105	59.258	0.092708035	0.677815270
1.50	9.456	4.116	5.340	64.598	0.061080927	0.738896197
1.75	11.357	4.790	6.567	71.165	0.075115814	0.814012010
2.00	7.165	2.615	4.550	75.715	0.052044610	0.866056620
2.25	5.654	1.437	4.217	79.932	0.048235631	0.914292251
2.50	4.575	0.903	3.672	83.604	0.042001716	0.956293966
2.75	2.276	0.433	1.843	85.447	0.021080927	0.977374893
3.00	0.937	0.236	0.701	86.148	0.008018301	0.985393194
3.25	0.462	0.169	0.293	86.441	0.003351444	0.988744638
3.50	0.621	0.366	0.255	86.696	0.002916786	0.991661424
3.75	0.649	0.393	0.256	86.952	0.002928224	0.994589648
4.00	0.387	0.183	0.204	87.156	0.002333429	0.996923077
PAN	0.446	0.177	0.269	87.425	0.003076923	1.0

TOTAL WT.	111.441	grams
CO3 WT	87.425	grams
% CARBONATE	78.450	

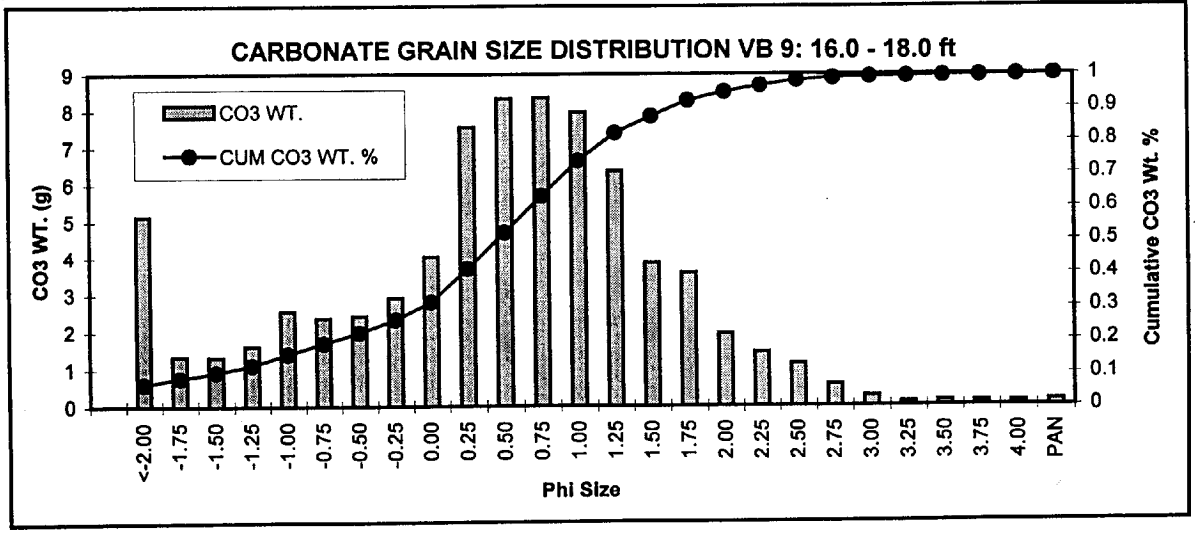


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 9: 16.0 - 18.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	5.133	0.000	5.133	5.133	0.067635587	0.067635587
-1.75	1.356	0.000	1.356	6.489	0.017867496	0.085503083
-1.50	1.321	0.000	1.321	7.810	0.017406314	0.102909398
-1.25	1.617	0.000	1.617	9.427	0.021306594	0.124215991
-1.00	2.561	0.000	2.561	11.988	0.033745322	0.157961313
-0.75	2.394	0.013	2.381	14.369	0.031373531	0.189334844
-0.50	2.516	0.076	2.440	16.809	0.032150951	0.221485796
-0.25	3.227	0.304	2.923	19.732	0.038515259	0.260001054
0.00	5.021	0.985	4.036	23.768	0.053180836	0.313181890
0.25	9.496	1.930	7.566	31.334	0.099694302	0.412876192
0.50	10.210	1.879	8.331	39.665	0.109774416	0.522650609
0.75	10.067	1.703	8.364	48.029	0.110209245	0.632859853
1.00	9.951	1.984	7.967	55.996	0.104978127	0.737837980
1.25	9.178	2.812	6.366	62.362	0.083882359	0.821720339
1.50	6.989	3.118	3.871	66.233	0.051006694	0.872727033
1.75	6.847	3.248	3.599	69.832	0.047422653	0.920149686
2.00	3.688	1.722	1.966	71.798	0.025905234	0.946054920
2.25	2.267	0.805	1.462	73.260	0.019264218	0.965319138
2.50	1.528	0.383	1.145	74.405	0.015087229	0.980406367
2.75	0.766	0.173	0.593	74.998	0.007813735	0.988220102
3.00	0.399	0.121	0.278	75.276	0.003663100	0.991883202
3.25	0.193	0.091	0.102	75.378	0.001344015	0.993227218
3.50	0.314	0.176	0.138	75.516	0.001818373	0.995045591
3.75	0.335	0.219	0.116	75.632	0.001528488	0.996574079
4.00	0.244	0.128	0.116	75.748	0.001528488	0.998102567
PAN	0.310	0.166	0.144	75.892	0.001897433	1.0

TOTAL WT.	97.928	grams
CO3 WT	75.892	grams
% CARBONATE	77.498	

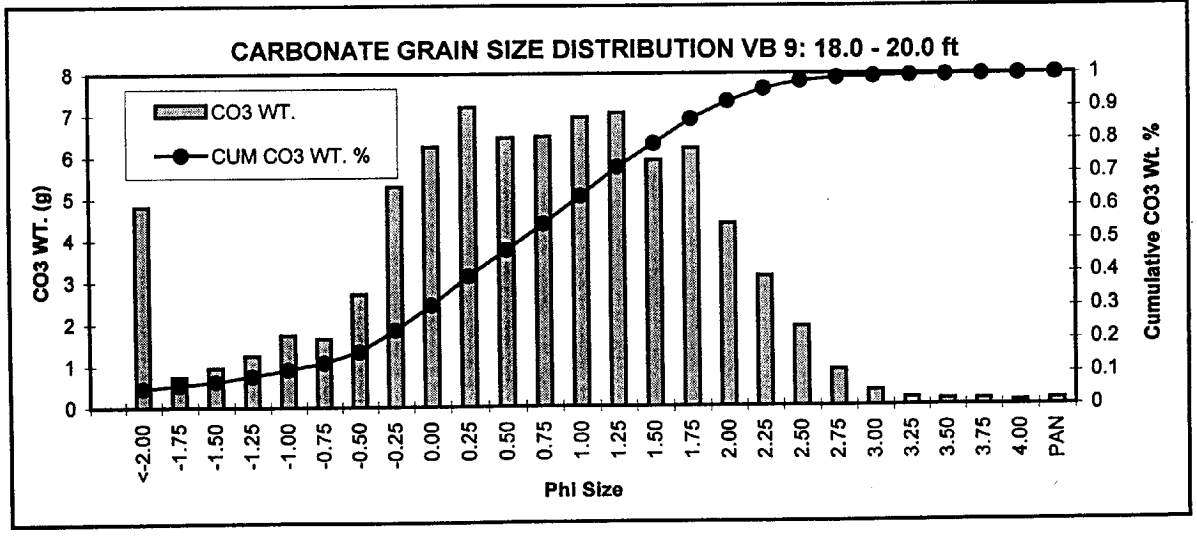


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 9: 18.0 - 20.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	4.823	0.000	4.823	4.823	0.058089537	0.058089537
-1.75	0.732	0.000	0.732	5.555	0.008816409	0.066905946
-1.50	0.961	0.000	0.961	6.516	0.011574548	0.078480494
-1.25	1.246	0.000	1.246	7.762	0.015007166	0.093487661
-1.00	1.745	0.009	1.736	9.498	0.020908861	0.114396522
-0.75	1.664	0.008	1.656	11.154	0.019945319	0.134341841
-0.50	2.758	0.042	2.716	13.870	0.032712250	0.167054091
-0.25	5.689	0.403	5.286	19.156	0.063666036	0.230720127
0.00	6.759	0.512	6.247	25.403	0.075240584	0.305960712
0.25	7.805	0.606	7.199	32.602	0.086706734	0.392667446
0.50	7.058	0.603	6.455	39.057	0.077745794	0.470413239
0.75	7.295	0.820	6.475	45.532	0.077986679	0.548399918
1.00	8.381	1.422	6.959	52.491	0.083816108	0.632216026
1.25	9.452	2.395	7.057	59.548	0.084996447	0.717212473
1.50	9.298	3.393	5.905	65.453	0.071121442	0.788333915
1.75	11.905	5.709	6.196	71.649	0.074626326	0.862960242
2.00	8.072	3.682	4.390	76.039	0.052874366	0.915834608
2.25	4.810	1.681	3.129	79.168	0.037686536	0.953521144
2.50	2.484	0.568	1.916	81.084	0.023076830	0.976597974
2.75	1.035	0.165	0.870	81.954	0.010478519	0.987076493
3.00	0.442	0.080	0.362	82.316	0.004360027	0.991436521
3.25	0.239	0.063	0.176	82.492	0.002119792	0.993556313
3.50	0.262	0.117	0.145	82.637	0.001746420	0.995302733
3.75	0.234	0.091	0.143	82.780	0.001722331	0.997025064
4.00	0.192	0.088	0.104	82.884	0.001252605	0.998277669
PAN	0.302	0.159	0.143	83.027	0.001722331	1.0

TOTAL WT.	105.643	grams
CO3 WT	83.027	grams
% CARBONATE	78.592	

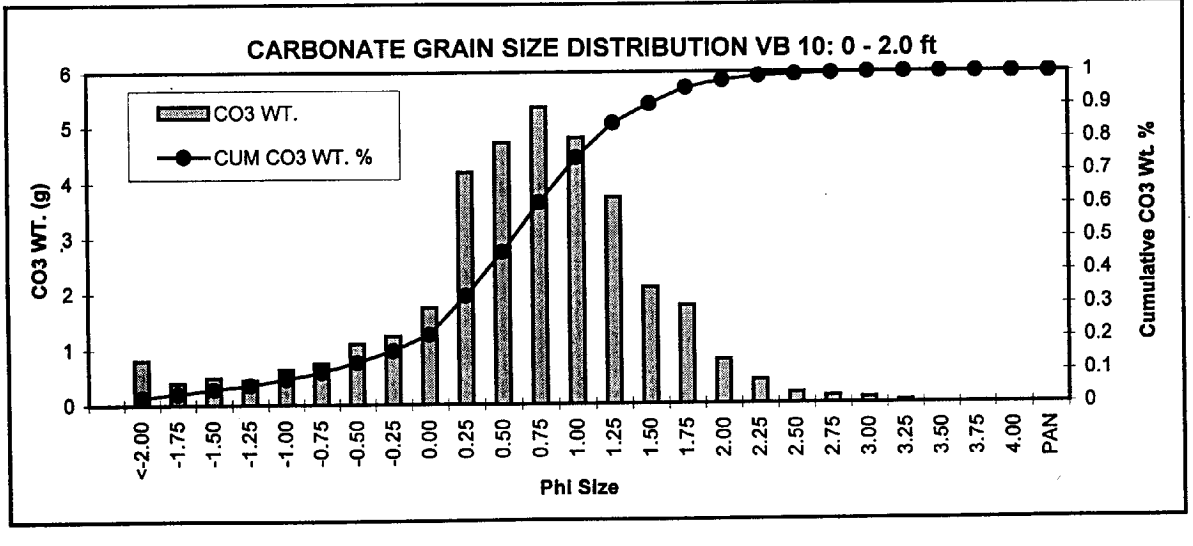


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 10: 0 - 2.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.802	0.000	0.802	0.802	0.022316211	0.022316211
-1.75	0.387	0.000	0.387	1.189	0.010768546	0.033084757
-1.50	0.490	0.000	0.490	1.679	0.013634593	0.046719350
-1.25	0.442	0.000	0.442	2.121	0.012298959	0.059018309
-1.00	0.631	0.000	0.631	2.752	0.017558017	0.076576326
-0.75	0.762	0.016	0.746	3.498	0.020757972	0.097334298
-0.50	1.662	0.565	1.097	4.595	0.030524793	0.127859091
-0.25	5.406	4.172	1.234	5.829	0.034336914	0.162196004
0.00	12.177	10.436	1.741	7.570	0.048444543	0.210640548
0.25	18.815	14.625	4.190	11.760	0.116589682	0.327230230
0.50	13.775	9.058	4.717	16.477	0.131253826	0.458484056
0.75	11.235	5.871	5.364	21.841	0.149257054	0.607741110
1.00	9.525	4.719	4.806	26.647	0.133730313	0.741471423
1.25	7.772	4.049	3.723	30.370	0.103595080	0.845066503
1.50	5.062	2.960	2.102	32.472	0.058489621	0.903556124
1.75	4.295	2.516	1.779	34.251	0.049501920	0.953058044
2.00	2.177	1.378	0.799	35.050	0.022232734	0.975290779
2.25	1.260	0.836	0.424	35.474	0.011798097	0.987088875
2.50	0.596	0.404	0.192	35.666	0.005342534	0.992431410
2.75	0.272	0.144	0.128	35.794	0.003561690	0.995993099
3.00	0.163	0.063	0.100	35.894	0.002782570	0.998775669
3.25	0.102	0.064	0.038	35.932	0.001057377	0.999833046
3.50	0.101	0.100	0.001	35.933	0.000027826	0.999860872
3.75	0.094	0.091	0.003	35.936	0.000083477	0.999944349
4.00	0.085	0.084	0.001	35.937	0.000027826	0.999972174
PAN	0.132	0.131	0.001	35.938	0.000027826	1.0

TOTAL WT.	98.220	grams
CO3 WT	35.938	grams
% CARBONATE	36.589	

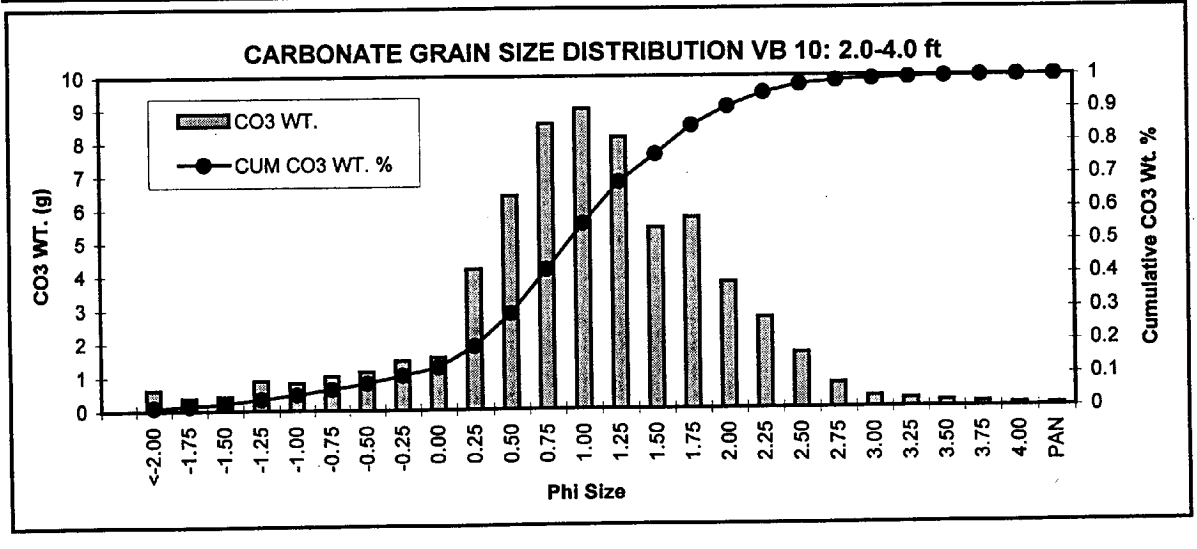


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 10: 2.0 - 4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.613	0.000	0.613	0.613	0.009351212	0.009351212
-1.75	0.365	0.000	0.365	0.978	0.005568014	0.014919226
-1.50	0.473	0.052	0.421	1.399	0.006422284	0.021341510
-1.25	0.906	0.021	0.885	2.284	0.013500526	0.034842036
-1.00	0.848	0.030	0.818	3.102	0.012478453	0.047320489
-0.75	1.024	0.009	1.015	4.117	0.015483654	0.062804143
-0.50	1.328	0.190	1.138	5.255	0.017359999	0.080164142
-0.25	2.786	1.328	1.458	6.713	0.022241545	0.102405687
0.00	6.053	4.500	1.553	8.266	0.023690754	0.126096441
0.25	12.495	8.311	4.184	12.450	0.063826217	0.189922658
0.50	14.274	7.882	6.392	18.842	0.097508886	0.287431544
0.75	15.171	6.608	8.563	27.405	0.130627126	0.418058670
1.00	15.450	6.449	9.001	36.406	0.137308743	0.555367413
1.25	14.759	6.619	8.140	44.546	0.124174332	0.679541745
1.50	10.956	5.553	5.403	49.949	0.082421857	0.761963602
1.75	11.949	6.238	5.711	55.660	0.087120345	0.849083947
2.00	8.231	4.461	3.770	59.430	0.057510717	0.906594664
2.25	5.558	2.846	2.712	62.142	0.041371104	0.947965768
2.50	2.794	1.149	1.645	63.787	0.025094199	0.973059967
2.75	1.125	0.399	0.726	64.513	0.011075008	0.984134975
3.00	0.555	0.222	0.333	64.846	0.005079859	0.989214834
3.25	0.452	0.195	0.257	65.103	0.003920492	0.993135326
3.50	0.517	0.340	0.177	65.280	0.002700105	0.995835431
3.75	0.450	0.315	0.135	65.415	0.002059402	0.997894833
4.00	0.329	0.249	0.080	65.495	0.001220387	0.999115220
PAN	0.431	0.373	0.058	65.553	0.000884780	1.0

TOTAL WT.	129.892	grams
CO3 WT	65.553	grams
% CARBONATE	50.467	

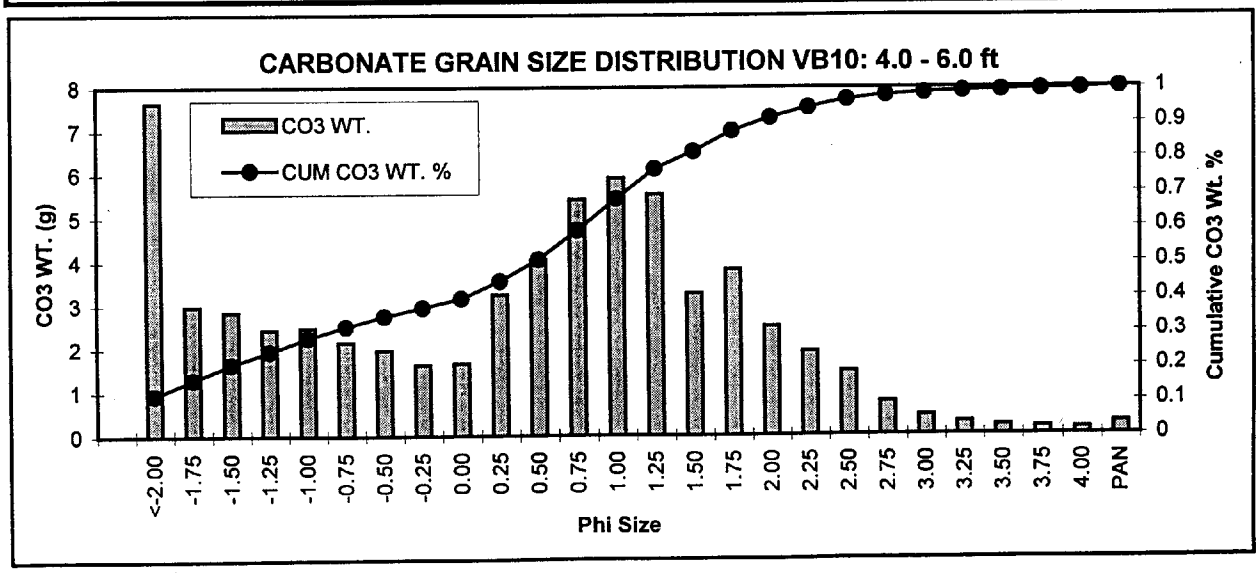


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB-10: 4.0 - 6.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	7.646	0.000	7.646	7.646	0.117059877	0.117059877
-1.75	2.979	0.000	2.979	10.625	0.045608341	0.162668218
-1.50	2.853	0.000	2.853	13.478	0.043679287	0.206347505
-1.25	2.440	0.000	2.440	15.918	0.037356278	0.243703783
-1.00	2.489	0.000	2.489	18.407	0.038106465	0.281810248
-0.75	2.171	0.019	2.152	20.559	0.032947012	0.314757261
-0.50	2.165	0.197	1.968	22.527	0.030129981	0.344887242
-0.25	3.146	1.520	1.626	24.153	0.024893979	0.369781221
0.00	5.759	4.095	1.664	25.817	0.025475757	0.395256978
0.25	9.609	6.355	3.254	29.071	0.049818577	0.445075555
0.50	9.405	5.354	4.051	33.122	0.062020607	0.507096162
0.75	9.731	4.294	5.437	38.559	0.083240198	0.590336360
1.00	10.091	4.178	5.913	44.472	0.090527734	0.680864094
1.25	9.963	4.417	5.546	50.018	0.084908982	0.765773076
1.50	7.564	4.292	3.272	53.290	0.050094156	0.815867232
1.75	8.524	4.702	3.822	57.112	0.058514629	0.874381861
2.00	5.973	3.469	2.504	59.616	0.038336115	0.912717975
2.25	4.169	2.237	1.932	61.548	0.029578823	0.942296799
2.50	2.523	1.052	1.471	63.019	0.022520936	0.964817735
2.75	1.180	0.414	0.766	63.785	0.011727422	0.976545157
3.00	0.646	0.201	0.445	64.230	0.006812928	0.983358084
3.25	0.466	0.169	0.297	64.527	0.004547055	0.987905140
3.50	0.450	0.247	0.203	64.730	0.003107920	0.991013059
3.75	0.458	0.287	0.171	64.901	0.002618001	0.993631061
4.00	0.396	0.260	0.136	65.037	0.002082153	0.995713214
PAN	0.637	0.357	0.280	65.317	0.004286786	1.0

TOTAL WT.	113.433	grams
CO3 WT	65.317	grams
% CARBONATE	57.582	

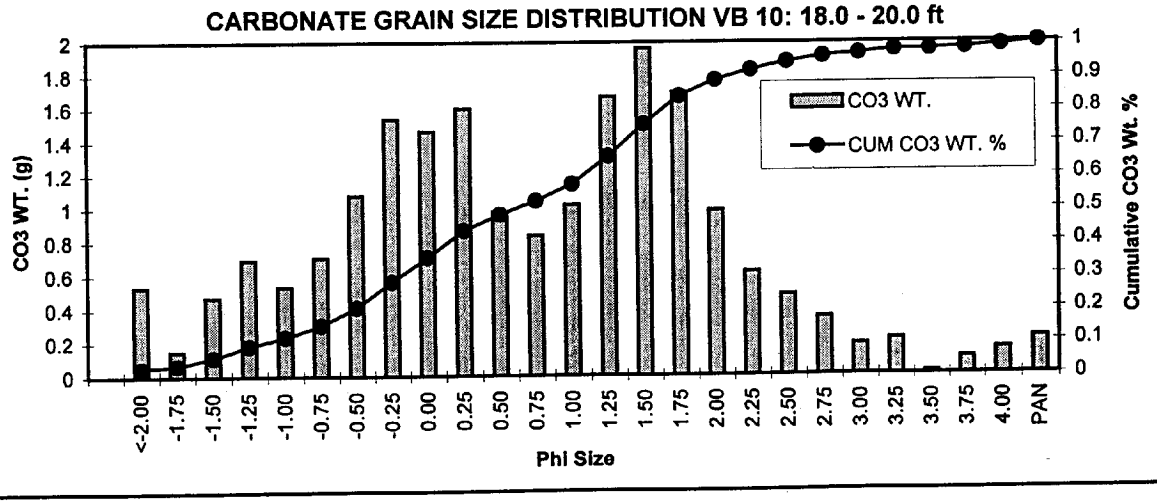


CARBONATE GRAIN SIZE DISTRIBUTION

CORE VB 10:18.0 - 20.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.530	0.000	0.530	0.530	0.026175425	0.026175425
-1.75	0.150	0.000	0.150	0.680	0.007408139	0.033583564
-1.50	0.472	0.000	0.472	1.152	0.023310944	0.056894508
-1.25	0.695	0.000	0.695	1.847	0.034324378	0.091218886
-1.00	0.536	0.000	0.536	2.383	0.026471750	0.117690636
-0.75	0.707	0.000	0.707	3.090	0.034917029	0.152607665
-0.50	1.097	0.016	1.081	4.171	0.053387989	0.205995654
-0.25	1.673	0.136	1.537	5.708	0.075908732	0.281904386
0.00	1.811	0.350	1.461	7.169	0.072155275	0.354059660
0.25	2.300	0.701	1.599	8.768	0.078970763	0.433030423
0.50	2.472	1.491	0.981	9.749	0.048449230	0.481479652
0.75	3.905	3.067	0.838	10.587	0.041386804	0.522866456
1.00	7.501	6.478	1.023	11.610	0.050523508	0.573389964
1.25	13.557	11.886	1.671	13.281	0.082526669	0.655916634
1.50	15.536	13.573	1.963	15.244	0.096947847	0.752864480
1.75	22.843	21.146	1.697	16.941	0.083810747	0.836675227
2.00	16.867	15.879	0.988	17.929	0.048794943	0.885470170
2.25	10.826	10.207	0.619	18.548	0.030570921	0.916041090
2.50	5.446	4.966	0.480	19.028	0.023706045	0.939747136
2.75	2.723	2.378	0.345	19.373	0.017038720	0.956785855
3.00	1.573	1.392	0.181	19.554	0.008939154	0.965725010
3.25	0.806	0.591	0.215	19.769	0.010618333	0.976343343
3.50	0.364	0.353	0.011	19.780	0.000543264	0.976886606
3.75	0.246	0.147	0.099	19.879	0.004889372	0.981775978
4.00	0.325	0.175	0.150	20.029	0.007408139	0.989184117
PAN	0.563	0.344	0.219	20.248	0.010815883	1.0

TOTAL WT.	115.524	grams
CO3 WT	20.248	grams
% CARBONATE	17.527	

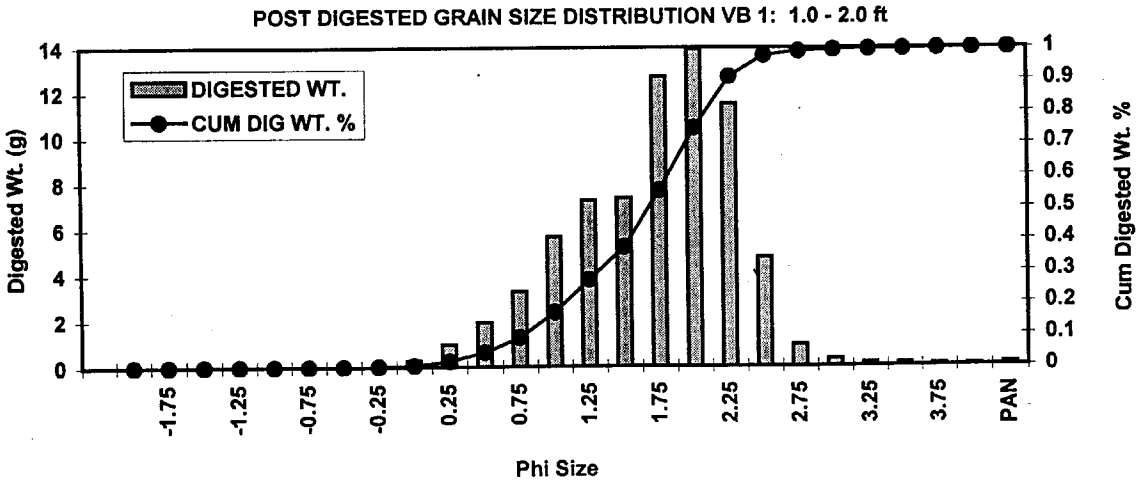


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 1 : 1.0 - 2.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	4.275	0.000	0.000	0.000000000	0.000000000
-1.75	1.066	0.000	0.000	0.000000000	0.000000000
-1.50	1.245	0.000	0.000	0.000000000	0.000000000
-1.25	1.800	0.000	0.000	0.000000000	0.000000000
-1.00	2.013	0.000	0.000	0.000000000	0.000000000
-0.75	2.410	0.000	0.000	0.000000000	0.000000000
-0.50	2.965	0.007	0.007	0.000097542	0.000097542
-0.25	3.223	0.046	0.053	0.000640990	0.000738532
0.00	3.143	0.262	0.315	0.003650856	0.004389387
0.25	4.268	0.985	1.300	0.013725545	0.018114932
0.50	5.068	1.956	3.256	0.027256006	0.045370938
0.75	7.005	3.314	6.570	0.046179143	0.091550081
1.00	10.508	5.713	12.283	0.079608160	0.171158241
1.25	13.499	7.297	19.580	0.101680508	0.272838749
1.50	11.952	7.400	26.980	0.103115768	0.375954518
1.75	17.866	12.732	39.712	0.177414860	0.553369377
2.00	17.575	13.927	53.639	0.194066663	0.747436040
2.25	14.051	11.539	65.178	0.160790926	0.908226966
2.50	6.054	4.796	69.974	0.066830166	0.975057132
2.75	1.259	0.947	70.921	0.013196031	0.988253163
3.00	0.396	0.318	71.239	0.004431191	0.992684354
3.25	0.179	0.141	71.380	0.001964773	0.994649128
3.50	0.133	0.122	71.502	0.001700017	0.996349144
3.75	0.102	0.089	71.591	0.001240176	0.997589321
4.00	0.071	0.066	71.657	0.000919681	0.998509002
PAN	0.067	0.107	71.764	0.001490998	1.0

TOTAL WT.	132.193	grams
DIGESTED WT.	71.764	grams
% SILICA	54.287	

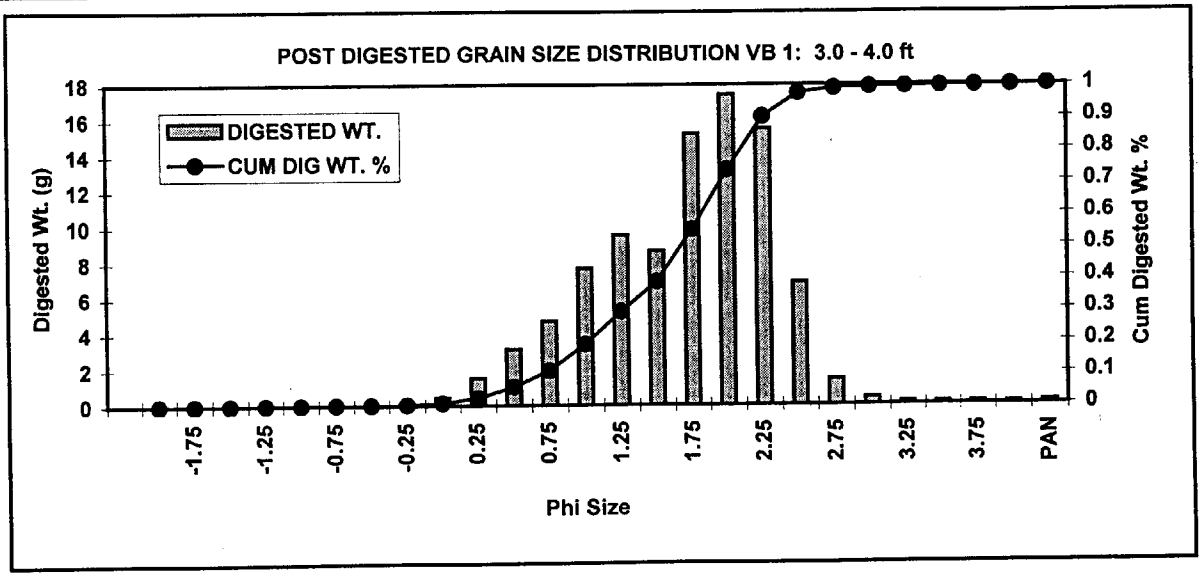


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 1 : 3.0 - 4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	2.913	0.042	0.042	0.000448096	0.000448096
-1.75	0.826	0.000	0.042	0.000000000	0.000448096
-1.50	1.227	0.000	0.042	0.000000000	0.000448096
-1.25	1.371	0.044	0.086	0.000469433	0.000917529
-1.00	1.904	0.010	0.096	0.000106689	0.001024218
-0.75	2.100	0.046	0.142	0.000490771	0.001514990
-0.50	2.765	0.036	0.178	0.000384082	0.001899072
-0.25	3.486	0.115	0.293	0.001226928	0.003126000
0.00	3.689	0.450	0.743	0.004801024	0.007927024
0.25	5.481	1.552	2.295	0.016558199	0.024485224
0.50	7.070	3.182	5.477	0.033948576	0.058433799
0.75	9.470	4.728	10.205	0.050442761	0.108876560
1.00	13.591	7.714	17.919	0.082300224	0.191176784
1.25	16.351	9.570	27.489	0.102101782	0.293278566
1.50	14.008	8.673	36.162	0.092531740	0.385810306
1.75	20.849	15.238	51.400	0.162573349	0.548383655
2.00	21.338	17.423	68.823	0.185884989	0.734268644
2.25	18.145	15.504	84.327	0.165411288	0.899679932
2.50	8.169	6.900	91.227	0.073615705	0.973295636
2.75	1.741	1.423	92.650	0.015181905	0.988477542
3.00	0.450	0.398	93.048	0.004246239	0.992723781
3.25	0.172	0.163	93.211	0.001739038	0.994462819
3.50	0.132	0.145	93.356	0.001546997	0.996009815
3.75	0.114	0.132	93.488	0.001408300	0.997418116
4.00	0.081	0.098	93.586	0.001045556	0.998463672
PAN	0.059	0.144	93.730	0.001536328	1.0

TOTAL WT.	157.502	grams
DIGESTED WT.	93.730	grams
% SILICA	59.511	

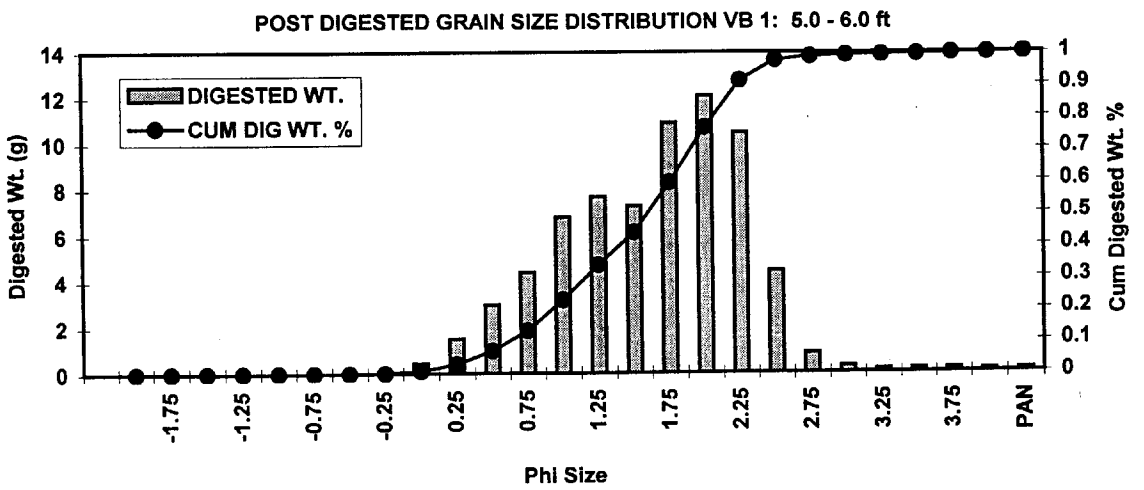


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 1 : 5.0 - 6.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	2.338	0.000	0.000	0.000000000	0.000000000
-1.75	0.995	0.000	0.000	0.000000000	0.000000000
-1.50	1.391	0.000	0.000	0.000000000	0.000000000
-1.25	1.167	0.000	0.000	0.000000000	0.000000000
-1.00	1.660	0.000	0.000	0.000000000	0.000000000
-0.75	2.092	0.000	0.000	0.000000000	0.000000000
-0.50	2.713	0.000	0.000	0.000000000	0.000000000
-0.25	3.083	0.099	0.099	0.001395742	0.001395742
0.00	3.403	0.449	0.548	0.006330185	0.007725927
0.25	5.366	1.503	2.051	0.021189906	0.028915833
0.50	6.685	2.989	5.040	0.042140138	0.071055971
0.75	8.647	4.412	9.452	0.062202171	0.133258142
1.00	12.131	6.797	16.249	0.095826872	0.229085013
1.25	13.647	7.661	23.910	0.108007895	0.337092909
1.50	10.981	7.275	31.185	0.102565910	0.439658819
1.75	15.245	10.911	42.096	0.153827717	0.593486536
2.00	15.030	12.091	54.187	0.170463838	0.763950374
2.25	12.855	10.480	64.667	0.147751304	0.911701678
2.50	5.690	4.459	69.126	0.062864796	0.974566474
2.75	1.228	0.851	69.977	0.011997744	0.986564218
3.00	0.390	0.279	70.256	0.003933456	0.990497674
3.25	0.178	0.129	70.385	0.001818694	0.992316368
3.50	0.181	0.142	70.527	0.002001974	0.994318342
3.75	0.171	0.167	70.694	0.002354434	0.996672776
4.00	0.128	0.105	70.799	0.001480333	0.998153109
PAN	0.102	0.131	70.930	0.001846891	1.0

TOTAL WT.	127.497	grams
DIGESTED WT.	70.930	grams
% SILICA	55.633	

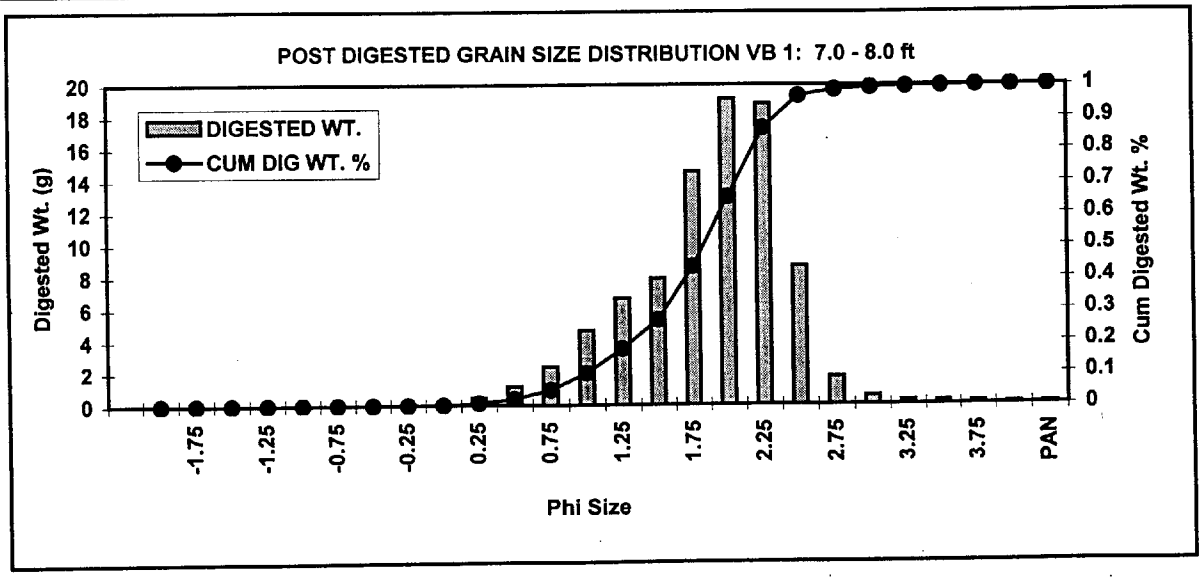


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 1 : 7.0 - 8.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.796	0.000	0.000	0.000000000	0.000000000
-1.75	0.301	0.000	0.000	0.000000000	0.000000000
-1.50	0.485	0.000	0.000	0.000000000	0.000000000
-1.25	0.430	0.000	0.000	0.000000000	0.000000000
-1.00	0.656	0.000	0.000	0.000000000	0.000000000
-0.75	0.894	0.000	0.000	0.000000000	0.000000000
-0.50	1.275	0.000	0.000	0.000000000	0.000000000
-0.25	1.494	0.017	0.017	0.000193882	0.000193882
0.00	1.673	0.097	0.114	0.001106270	0.001300153
0.25	2.451	0.458	0.572	0.005223421	0.006523574
0.50	3.366	1.172	1.744	0.013366483	0.019890057
0.75	5.010	2.379	4.123	0.027132137	0.047022194
1.00	8.610	4.650	8.773	0.053032549	0.100054743
1.25	12.253	6.669	15.442	0.076058940	0.176113684
1.50	12.309	7.931	23.373	0.090451860	0.266565544
1.75	20.721	14.608	37.981	0.166602039	0.433167583
2.00	24.304	19.135	57.116	0.218231792	0.651399375
2.25	22.985	18.793	75.909	0.214331334	0.865730709
2.50	11.241	8.662	84.571	0.098788805	0.964519514
2.75	2.573	1.757	86.328	0.020038320	0.984557834
3.00	0.830	0.543	86.871	0.006192833	0.990750667
3.25	0.385	0.248	87.119	0.002828403	0.993579070
3.50	0.317	0.229	87.348	0.002611710	0.996190780
3.75	0.214	0.169	87.517	0.001927420	0.998118200
4.00	0.114	0.079	87.596	0.000900983	0.999019183
PAN	0.093	0.086	87.682	0.000980817	1.0

TOTAL WT.	135.780	grams
DIGESTED WT.	87.682	grams
% SILICA	64.577	

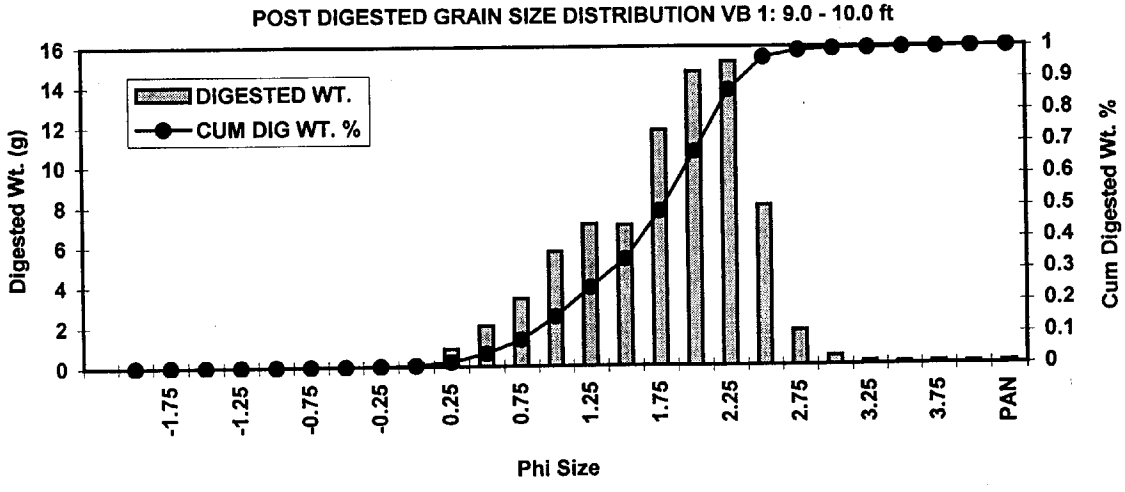


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 1 : 9.0 - 10.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.676	0.000	0.000	0.000000000	0.000000000
-1.75	0.205	0.000	0.000	0.000000000	0.000000000
-1.50	0.667	0.000	0.000	0.000000000	0.000000000
-1.25	0.587	0.000	0.000	0.000000000	0.000000000
-1.00	0.757	0.000	0.000	0.000000000	0.000000000
-0.75	1.261	0.000	0.000	0.000000000	0.000000000
-0.50	1.547	0.000	0.000	0.000000000	0.000000000
-0.25	2.171	0.062	0.062	0.000784552	0.000784552
0.00	2.389	0.196	0.258	0.002480196	0.003264748
0.25	3.604	0.872	1.130	0.011034343	0.014299091
0.50	4.693	2.022	3.152	0.025586516	0.039885607
0.75	6.670	3.387	6.539	0.042859312	0.082744919
1.00	10.267	5.739	12.278	0.072621669	0.155366588
1.25	12.833	7.101	19.379	0.089856503	0.245223091
1.50	10.876	7.052	26.431	0.089236454	0.334459545
1.75	16.807	11.822	38.253	0.149596335	0.484055880
2.00	18.602	14.737	52.990	0.186482930	0.670538810
2.25	18.498	15.240	68.230	0.192847923	0.863386733
2.50	10.193	8.011	76.241	0.101371700	0.964758434
2.75	2.522	1.741	77.982	0.022030724	0.986789158
3.00	0.712	0.439	78.421	0.005555134	0.992344292
3.25	0.270	0.159	78.580	0.002011996	0.994356288
3.50	0.190	0.109	78.689	0.001379293	0.995735581
3.75	0.159	0.121	78.810	0.001531142	0.997266722
4.00	0.127	0.097	78.907	0.001227444	0.998494166
PAN	0.122	0.119	79.026	0.001505834	1.0

TOTAL WT.	128.405	grams
DIGESTED WT.	79.026	grams
% SILICA	61.544	

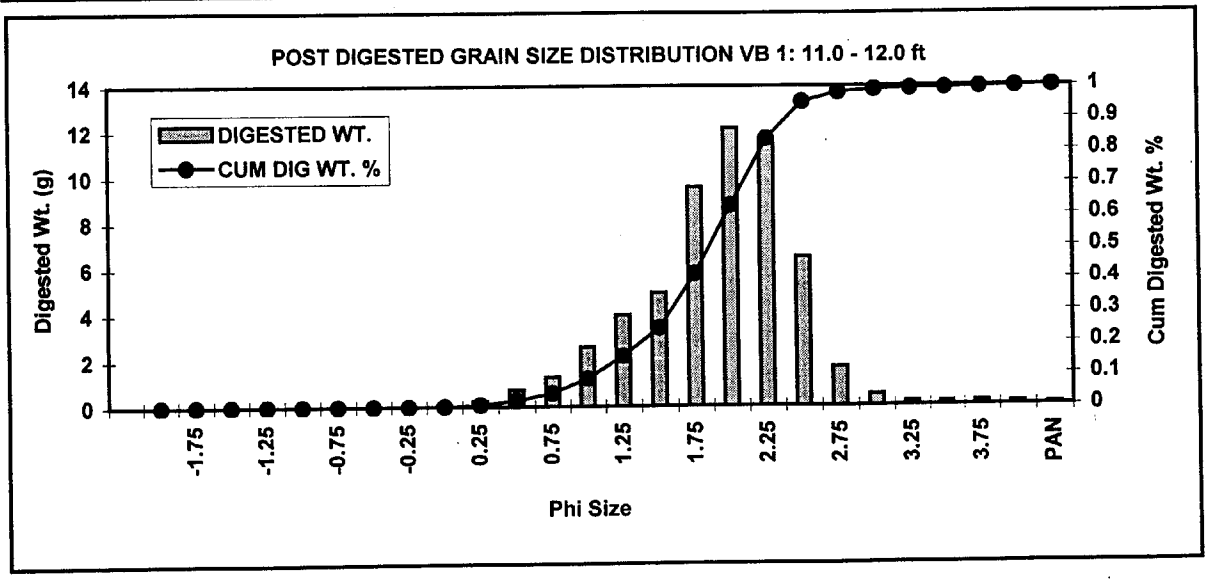


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 1 : 11.0 - 12.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.206	0.000	0.000	0.000000000	0.000000000
-1.75	0.377	0.000	0.000	0.000000000	0.000000000
-1.50	0.368	0.000	0.000	0.000000000	0.000000000
-1.25	0.598	0.000	0.000	0.000000000	0.000000000
-1.00	0.601	0.000	0.000	0.000000000	0.000000000
-0.75	0.926	0.000	0.000	0.000000000	0.000000000
-0.50	1.145	0.000	0.000	0.000000000	0.000000000
-0.25	1.373	0.000	0.000	0.000000000	0.000000000
0.00	1.440	0.078	0.078	0.001375055	0.001375055
0.25	2.169	0.246	0.324	0.004336712	0.005711767
0.50	2.594	0.734	1.058	0.012939621	0.018651388
0.75	3.491	1.282	2.340	0.022600264	0.041251653
1.00	5.538	2.589	4.929	0.045641252	0.086892904
1.25	7.563	3.998	8.927	0.070480388	0.157373292
1.50	8.227	4.973	13.900	0.087668576	0.245041869
1.75	13.611	9.582	23.482	0.168920229	0.413962098
2.00	15.378	12.152	35.634	0.214226532	0.628188629
2.25	14.271	11.682	47.316	0.205940943	0.834129572
2.50	8.350	6.512	53.828	0.114799471	0.948929044
2.75	2.522	1.705	55.533	0.030057294	0.978986338
3.00	0.809	0.489	56.022	0.008620538	0.987606875
3.25	0.342	0.166	56.188	0.002926399	0.990533275
3.50	0.248	0.156	56.344	0.002750110	0.993283385
3.75	0.262	0.168	56.512	0.002961657	0.996245042
4.00	0.199	0.123	56.635	0.002168356	0.998413398
PAN	0.152	0.090	56.725	0.001586602	1.0

TOTAL WT.	93.760	grams
DIGESTED WT.	56.725	grams
% SILICA	60.500	

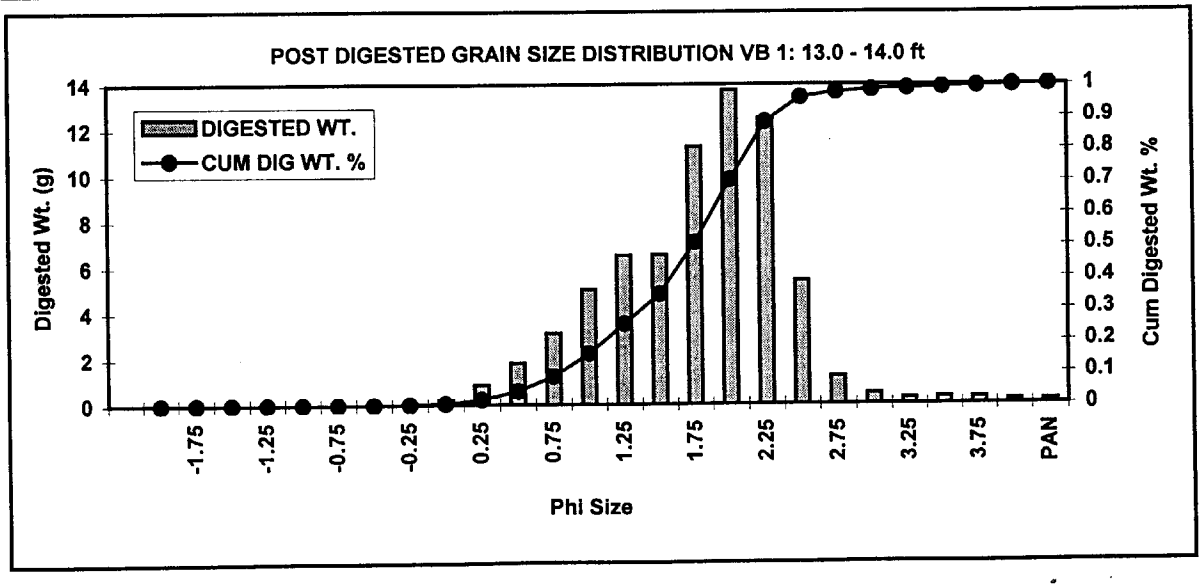


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 1 : 13.0 - 14.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.934	0.000	0.000	0.000000000	0.000000000
-1.75	0.391	0.000	0.000	0.000000000	0.000000000
-1.50	0.483	0.000	0.000	0.000000000	0.000000000
-1.25	0.613	0.000	0.000	0.000000000	0.000000000
-1.00	0.655	0.000	0.000	0.000000000	0.000000000
-0.75	0.821	0.000	0.000	0.000000000	0.000000000
-0.50	1.266	0.011	0.011	0.000157296	0.000157296
-0.25	1.656	0.044	0.055	0.000629183	0.000786478
0.00	2.027	0.231	0.286	0.003303209	0.004089687
0.25	3.222	0.857	1.143	0.012254762	0.016344449
0.50	4.162	1.813	2.956	0.025925184	0.042269633
0.75	5.931	3.113	6.069	0.044514671	0.086784305
1.00	8.937	5.027	11.096	0.071884116	0.158668421
1.25	11.150	6.510	17.606	0.093090431	0.251758851
1.50	10.047	6.556	24.162	0.093748213	0.345507064
1.75	15.635	11.269	35.431	0.161142252	0.506649316
2.00	17.090	13.760	49.191	0.196762569	0.703411886
2.25	15.065	12.502	61.693	0.178773666	0.882185552
2.50	7.133	5.426	67.119	0.077589659	0.959775210
2.75	1.889	1.221	68.340	0.017459818	0.977235028
3.00	0.739	0.465	68.805	0.006649316	0.983884345
3.25	0.422	0.253	69.058	0.003617800	0.987502145
3.50	0.382	0.275	69.333	0.003932391	0.991434536
3.75	0.356	0.262	69.595	0.003746497	0.995181033
4.00	0.237	0.164	69.759	0.002345135	0.997526168
PAN	0.227	0.173	69.932	0.002473832	1.0

TOTAL WT.	111.470	grams
DIGESTED WT.	69.932	grams
% SILICA	62.736	

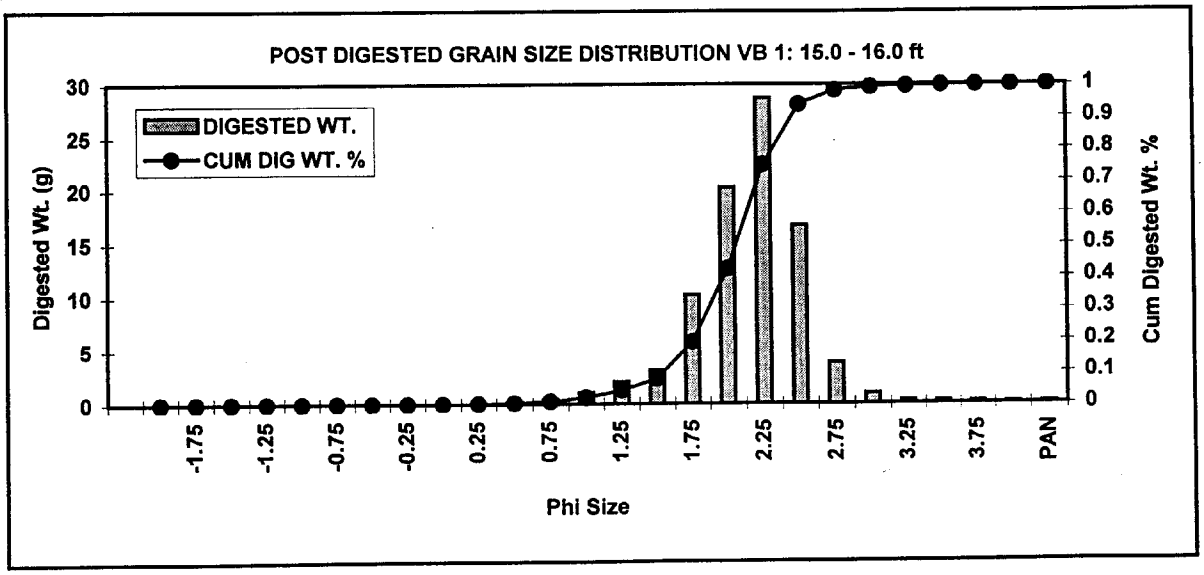


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 1 : 15.0 - 16.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.305	0.000	0.000	0.000000000	0.000000000
-1.75	0.035	0.000	0.000	0.000000000	0.000000000
-1.50	0.063	0.000	0.000	0.000000000	0.000000000
-1.25	0.028	0.000	0.000	0.000000000	0.000000000
-1.00	0.059	0.000	0.000	0.000000000	0.000000000
-0.75	0.113	0.000	0.000	0.000000000	0.000000000
-0.50	0.190	0.000	0.000	0.000000000	0.000000000
-0.25	0.195	0.000	0.000	0.000000000	0.000000000
0.00	0.252	0.006	0.006	0.000067673	0.000067673
0.25	0.402	0.048	0.054	0.000541382	0.000609055
0.50	0.674	0.184	0.238	0.002075297	0.002684352
0.75	1.097	0.446	0.684	0.005030340	0.007714692
1.00	2.283	1.069	1.753	0.012057026	0.019771717
1.25	4.002	2.098	3.851	0.023662900	0.043434617
1.50	5.680	3.185	7.036	0.035922943	0.079357560
1.75	14.446	10.246	17.282	0.115562473	0.194920033
2.00	25.300	20.347	37.629	0.229489522	0.424409555
2.25	34.279	28.704	66.333	0.323746363	0.748155918
2.50	21.329	16.758	83.091	0.189009948	0.937165866
2.75	5.467	3.863	86.954	0.043569962	0.980735828
3.00	1.496	0.919	87.873	0.010365207	0.991101035
3.25	0.518	0.270	88.143	0.003045273	0.994146308
3.50	0.346	0.211	88.354	0.002379825	0.996526133
3.75	0.267	0.151	88.505	0.001703097	0.998229230
4.00	0.154	0.078	88.583	0.000879746	0.999108976
PAN	0.161	0.079	88.662	0.000891024	1.0

TOTAL WT.	119.141	grams
DIGESTED WT.	88.662	grams
% SILICA	74.418	

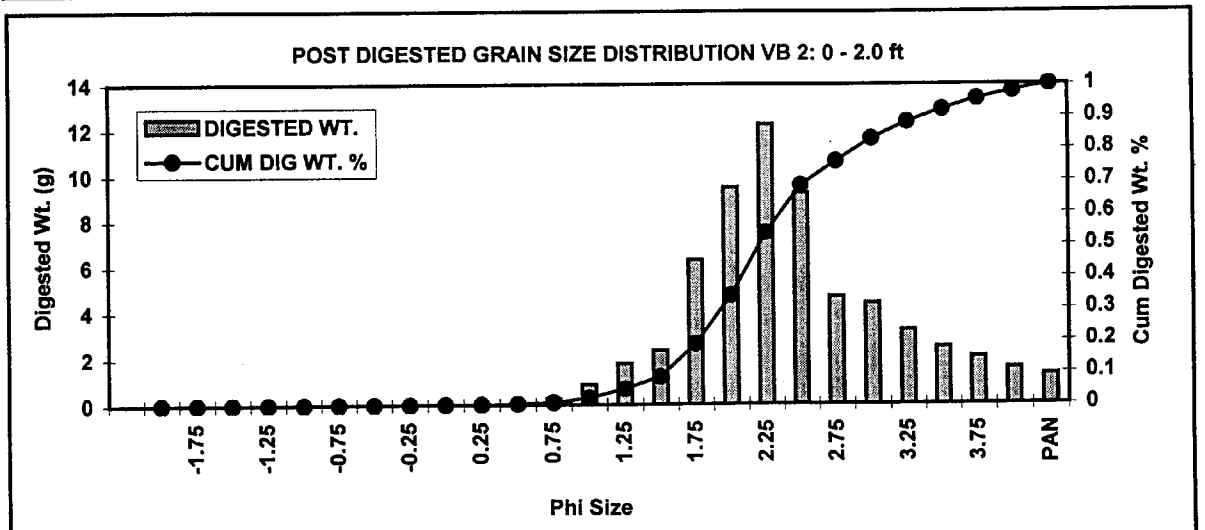


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 2: 0 - 2.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.030	0.000	0.000	0.000000000	0.000000000
-1.75	0.134	0.000	0.000	0.000000000	0.000000000
-1.50	0.228	0.000	0.000	0.000000000	0.000000000
-1.25	0.204	0.000	0.000	0.000000000	0.000000000
-1.00	0.334	0.000	0.000	0.000000000	0.000000000
-0.75	0.266	0.004	0.004	0.000063959	0.000063959
-0.50	0.209	0.016	0.020	0.000255836	0.000319795
-0.25	0.265	0.010	0.030	0.000159898	0.000479693
0.00	0.223	0.023	0.053	0.000367765	0.000847458
0.25	0.350	0.034	0.087	0.000543652	0.001391110
0.50	0.384	0.077	0.164	0.001231212	0.002622322
0.75	0.676	0.251	0.415	0.004013431	0.006635753
1.00	1.587	0.883	1.298	0.014118964	0.020754717
1.25	2.926	1.792	3.090	0.028653662	0.049408379
1.50	3.987	2.357	5.447	0.037687880	0.087096258
1.75	8.489	6.334	11.781	0.101279181	0.188375440
2.00	12.241	9.503	21.284	0.151950752	0.340326191
2.25	16.029	12.249	33.533	0.195858650	0.536184842
2.50	13.500	9.242	42.775	0.147777422	0.683962264
2.75	7.508	4.700	47.475	0.075151903	0.759114167
3.00	5.996	4.423	51.898	0.070722737	0.829836904
3.25	4.163	3.234	55.132	0.051710905	0.881547809
3.50	2.805	2.477	57.609	0.039606652	0.921154461
3.75	2.369	2.063	59.672	0.032986888	0.954141350
4.00	1.822	1.566	61.238	0.025039974	0.979181324
PAN	1.593	1.302	62.540	0.020818676	1.0

TOTAL WT.	89.318	grams
DIGESTED WT.	62.540	grams
% SILICA	70.019	

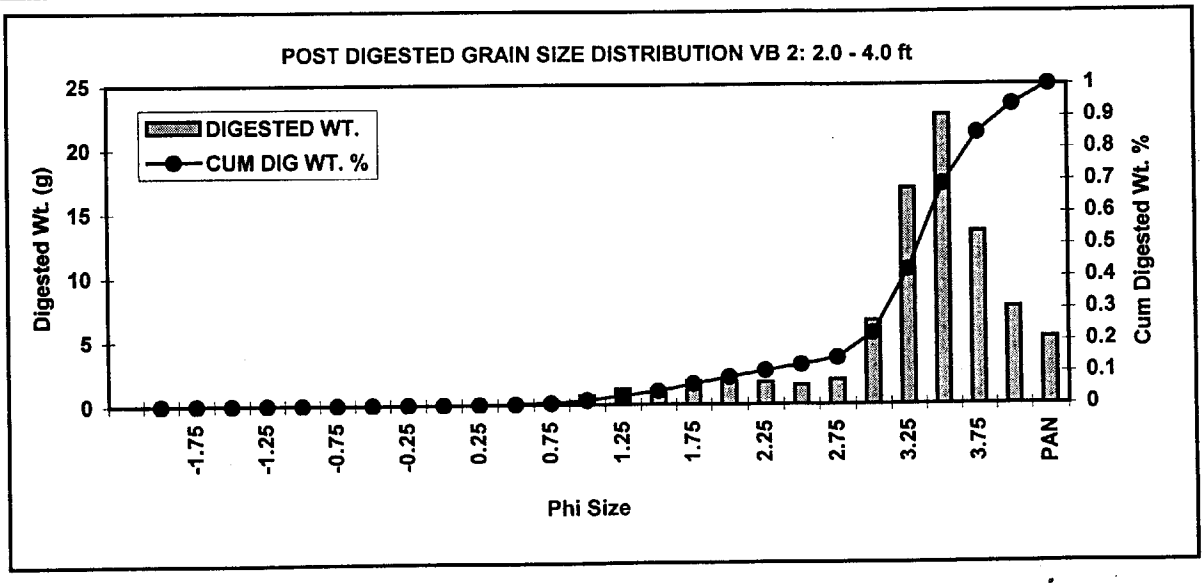


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 2: 2.0 - 4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	4.975	0.000	0.000	0.000000000	0.000000000
-1.75	0.623	0.000	0.000	0.000000000	0.000000000
-1.50	0.544	0.000	0.000	0.000000000	0.000000000
-1.25	0.401	0.000	0.000	0.000000000	0.000000000
-1.00	0.299	0.000	0.000	0.000000000	0.000000000
-0.75	0.383	0.000	0.000	0.000000000	0.000000000
-0.50	0.273	0.000	0.000	0.000000000	0.000000000
-0.25	0.262	0.006	0.006	0.000070751	0.000070751
0.00	0.307	0.014	0.020	0.000165085	0.000235835
0.25	0.344	0.051	0.071	0.000601380	0.000837215
0.50	0.397	0.105	0.176	0.001238135	0.002075349
0.75	0.571	0.280	0.456	0.003301692	0.005377041
1.00	1.151	0.733	1.189	0.008643358	0.014020400
1.25	1.696	1.203	2.392	0.014185484	0.028205884
1.50	1.703	1.200	3.592	0.014150109	0.042355993
1.75	2.631	1.843	5.435	0.021732209	0.064088202
2.00	2.390	1.782	7.217	0.021012912	0.085101114
2.25	2.608	1.716	8.933	0.020234656	0.105335770
2.50	2.779	1.503	10.436	0.017723012	0.123058782
2.75	3.499	1.914	12.350	0.022569424	0.145628206
3.00	8.832	6.568	18.918	0.077448264	0.223076470
3.25	21.071	16.882	35.800	0.199068451	0.422144921
3.50	25.931	22.596	58.396	0.266446554	0.688591475
3.75	15.174	13.518	71.914	0.159400979	0.847992453
4.00	8.655	7.651	79.565	0.090218737	0.938211190
PAN	7.097	5.240	84.805	0.061788810	1.0

TOTAL WT.	114.596	grams
DIGESTED WT.	84.805	grams
% SILICA	74.003	

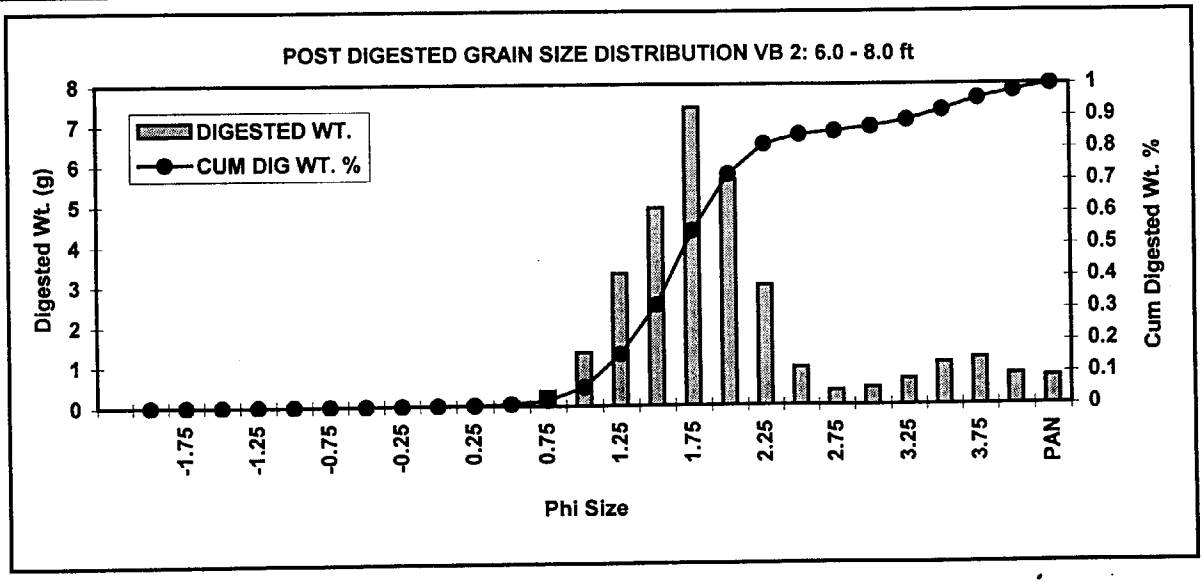


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 2: 6.0 - 8.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	2.794	0.000	0.000	0.000000000	0.000000000
-1.75	0.590	0.000	0.000	0.000000000	0.000000000
-1.50	0.263	0.000	0.000	0.000000000	0.000000000
-1.25	0.423	0.000	0.000	0.000000000	0.000000000
-1.00	0.583	0.000	0.000	0.000000000	0.000000000
-0.75	0.505	0.000	0.000	0.000000000	0.000000000
-0.50	0.482	0.000	0.000	0.000000000	0.000000000
-0.25	0.499	0.006	0.006	0.000186800	0.000186800
0.00	0.457	0.024	0.030	0.000747198	0.000933998
0.25	0.621	0.047	0.077	0.001463263	0.002397260
0.50	0.709	0.117	0.194	0.003642590	0.006039851
0.75	1.203	0.363	0.557	0.011301370	0.017341220
1.00	2.754	1.314	1.871	0.040909091	0.058250311
1.25	5.598	3.293	5.164	0.102521793	0.160772105
1.50	7.002	4.915	10.079	0.153019925	0.313792030
1.75	11.034	7.414	17.493	0.230821918	0.544613948
2.00	8.372	5.627	23.120	0.175186800	0.719800747
2.25	4.899	3.001	26.121	0.093430884	0.813231631
2.50	1.924	0.935	27.056	0.029109589	0.842341220
2.75	0.693	0.359	27.415	0.011176837	0.853518057
3.00	0.646	0.424	27.839	0.013200498	0.866718555
3.25	0.890	0.637	28.476	0.019831880	0.886550436
3.50	1.194	1.043	29.519	0.032471980	0.919022416
3.75	1.388	1.152	30.671	0.035865504	0.954887920
4.00	0.965	0.760	31.431	0.023661270	0.978549191
PAN	0.964	0.689	32.120	0.021450809	1.0

TOTAL WT.	57.452	grams
DIGESTED WT.	32.120	grams
% SILICA	55.908	

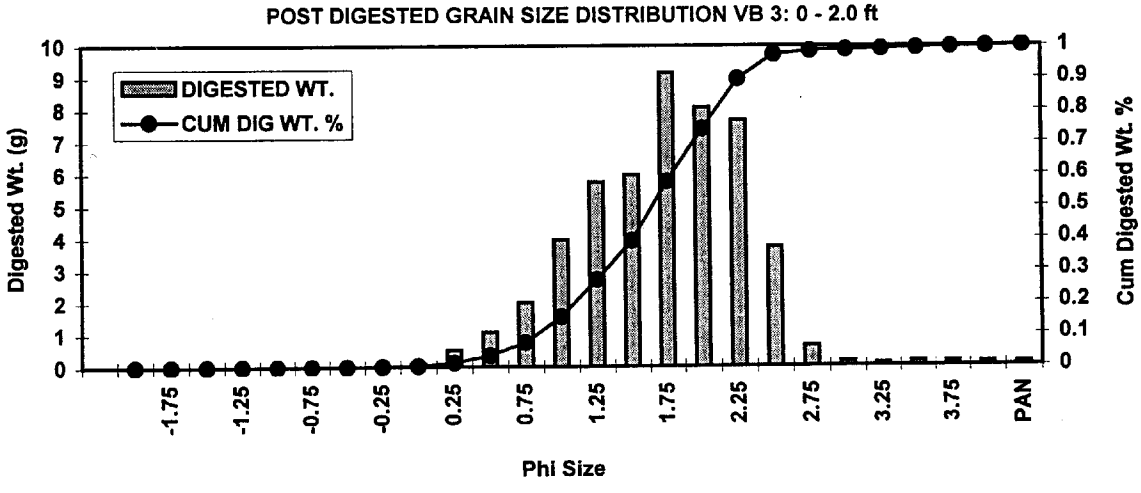


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 3: 0 - 2.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.881	0.000	0.000	0.000000000	0.000000000
-1.75	0.277	0.000	0.000	0.000000000	0.000000000
-1.50	0.568	0.000	0.000	0.000000000	0.000000000
-1.25	0.718	0.000	0.000	0.000000000	0.000000000
-1.00	0.919	0.000	0.000	0.000000000	0.000000000
-0.75	1.187	0.000	0.000	0.000000000	0.000000000
-0.50	1.521	0.000	0.000	0.000000000	0.000000000
-0.25	1.973	0.030	0.030	0.000606943	0.000606943
0.00	1.943	0.102	0.132	0.002063608	0.002670551
0.25	2.906	0.525	0.657	0.010621510	0.013292061
0.50	3.466	1.072	1.729	0.021688112	0.034980173
0.75	4.346	1.995	3.724	0.040361738	0.075341911
1.00	6.815	3.965	7.689	0.080217690	0.155559602
1.25	8.897	5.756	13.445	0.116452213	0.272011815
1.50	8.703	5.977	19.422	0.120923363	0.392935178
1.75	11.716	9.157	28.579	0.185259367	0.578194546
2.00	10.261	8.079	36.658	0.163449866	0.741644412
2.25	9.770	7.688	44.346	0.155539370	0.897183782
2.50	5.331	3.731	48.077	0.075483532	0.972667314
2.75	1.177	0.628	48.705	0.012705349	0.985372663
3.00	0.238	0.152	48.857	0.003075180	0.988447843
3.25	0.124	0.083	48.940	0.001679210	0.990127053
3.50	0.163	0.142	49.082	0.002872866	0.992999919
3.75	0.159	0.134	49.216	0.002711014	0.995710933
4.00	0.125	0.108	49.324	0.002184996	0.997895929
PAN	0.126	0.104	49.428	0.002104071	1.0

TOTAL WT.	84.310	grams
DIGESTED WT.	49.428	grams
% SILICA	58.626	

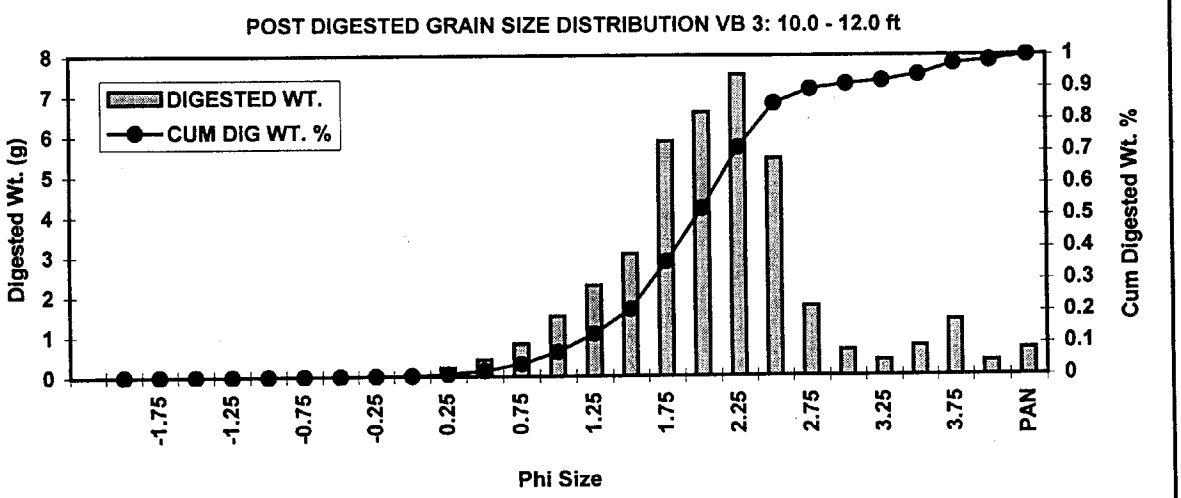


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 3: 10.0 - 12.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.454	0.000	0.000	0.000000000	0.000000000
-1.75	0.474	0.000	0.000	0.000000000	0.000000000
-1.50	0.234	0.000	0.000	0.000000000	0.000000000
-1.25	0.605	0.000	0.000	0.000000000	0.000000000
-1.00	0.767	0.000	0.000	0.000000000	0.000000000
-0.75	0.891	0.000	0.000	0.000000000	0.000000000
-0.50	1.117	0.000	0.000	0.000000000	0.000000000
-0.25	1.274	0.029	0.029	0.000731049	0.000731049
0.00	1.448	0.046	0.075	0.001159596	0.001890645
0.25	2.881	0.213	0.288	0.005369432	0.007260077
0.50	2.649	0.419	0.707	0.010562404	0.017822481
0.75	3.332	0.813	1.520	0.020494593	0.038317074
1.00	4.439	1.490	3.010	0.037560816	0.075877890
1.25	5.090	2.259	5.269	0.056946230	0.132824120
1.50	5.495	3.063	8.332	0.077213945	0.210038065
1.75	8.786	5.867	14.199	0.147898863	0.357936928
2.00	9.321	6.590	20.789	0.166124682	0.524061610
2.25	10.302	7.525	28.314	0.189694724	0.713756334
2.50	8.262	5.436	33.750	0.137033956	0.850790290
2.75	3.543	1.753	35.503	0.044190678	0.894980968
3.00	1.445	0.637	36.140	0.016057879	0.911038846
3.25	0.808	0.385	36.525	0.009705311	0.920744158
3.50	1.063	0.732	37.257	0.018452696	0.939196854
3.75	1.775	1.384	38.641	0.034888704	0.974085558
4.00	1.350	0.364	39.005	0.009175931	0.983261489
PAN	0.919	0.664	39.669	0.016738511	1.0

TOTAL WT.	78.724	grams
DIGESTED WT.	39.669	grams
% SILICA	50.390	

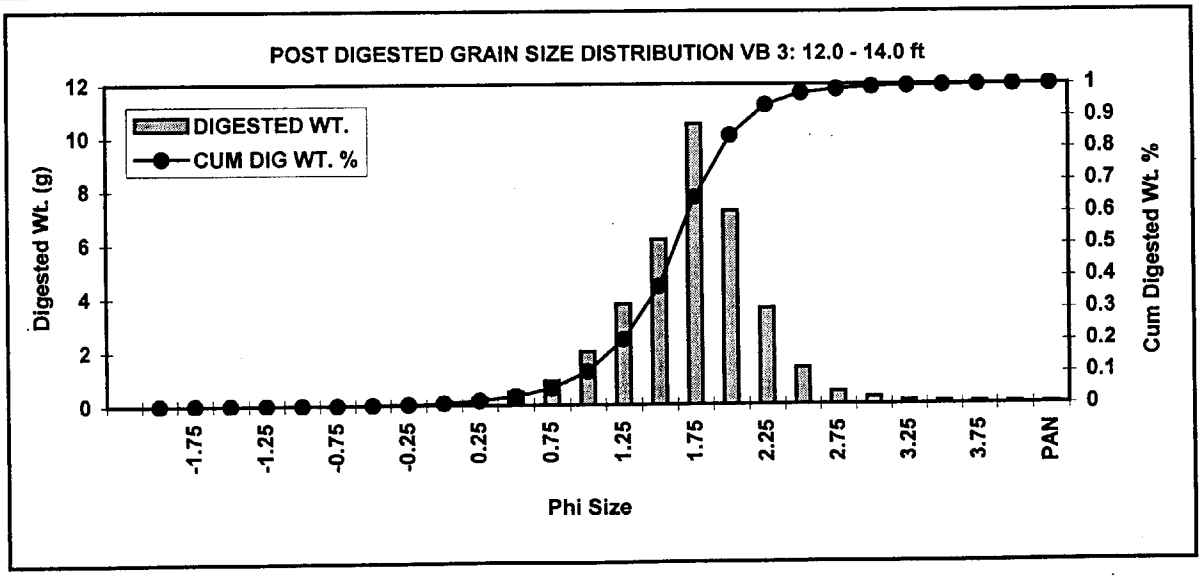


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 3: 12.0 - 14.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.719	0.000	0.000	0.000000000	0.000000000
-1.75	0.610	0.000	0.000	0.000000000	0.000000000
-1.50	1.371	0.000	0.000	0.000000000	0.000000000
-1.25	2.094	0.000	0.000	0.000000000	0.000000000
-1.00	2.298	0.000	0.000	0.000000000	0.000000000
-0.75	2.942	0.015	0.015	0.000398565	0.000398565
-0.50	3.743	0.027	0.042	0.000717417	0.001115982
-0.25	4.440	0.076	0.118	0.002019397	0.003135379
0.00	3.797	0.139	0.257	0.003693371	0.006828750
0.25	4.640	0.269	0.526	0.007147602	0.013976352
0.50	4.146	0.484	1.010	0.012860369	0.026836721
0.75	4.567	0.902	1.912	0.023967052	0.050803773
1.00	6.251	1.999	3.911	0.053115451	0.103919224
1.25	8.517	3.758	7.669	0.099853859	0.203773084
1.50	9.550	6.177	13.846	0.164129135	0.367902219
1.75	15.328	10.509	24.355	0.279234755	0.647136974
2.00	10.228	7.238	31.593	0.192320978	0.839457951
2.25	5.135	3.593	35.186	0.095469643	0.934927594
2.50	2.151	1.379	36.565	0.036641424	0.971569018
2.75	0.826	0.482	37.047	0.012807227	0.984376246
3.00	0.392	0.250	37.297	0.006642753	0.991018998
3.25	0.124	0.107	37.404	0.002843098	0.993862096
3.50	0.077	0.079	37.483	0.002099110	0.995961206
3.75	0.051	0.065	37.548	0.001727116	0.997688322
4.00	0.046	0.045	37.593	0.001195695	0.998884018
PAN	0.074	0.042	37.635	0.001115982	1.0

TOTAL WT.	95.117	grams
DIGESTED WT.	37.635	grams
% SILICA	39.567	

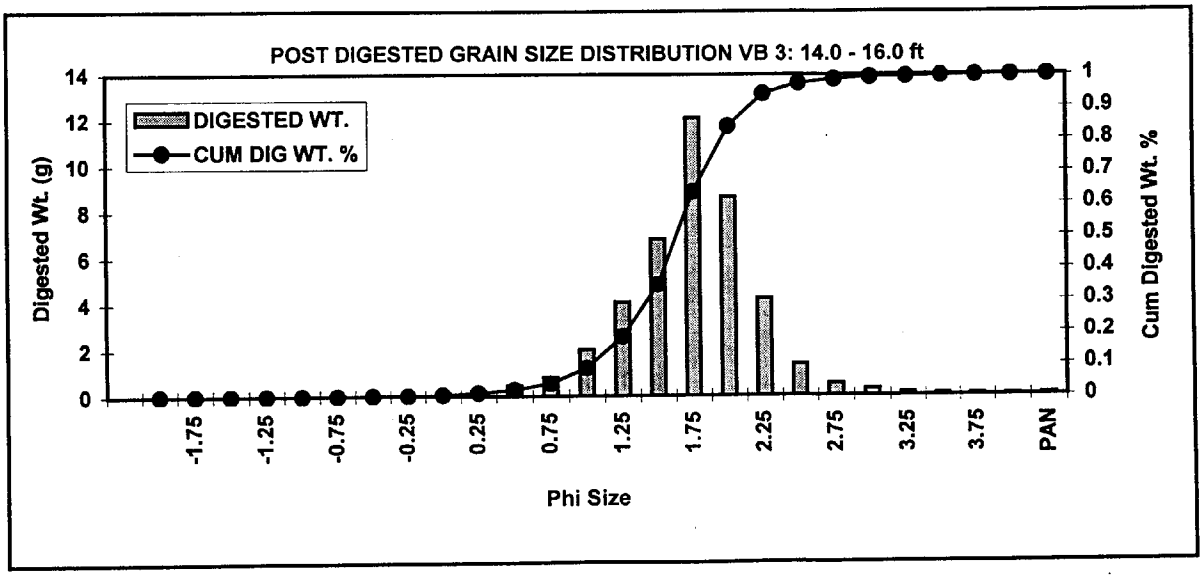


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 3: 14.0 - 16.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.378	0.000	0.000	0.000000000	0.000000000
-1.75	0.502	0.000	0.000	0.000000000	0.000000000
-1.50	0.946	0.000	0.000	0.000000000	0.000000000
-1.25	1.066	0.000	0.000	0.000000000	0.000000000
-1.00	1.428	0.000	0.000	0.000000000	0.000000000
-0.75	1.879	0.009	0.009	0.000213564	0.000213564
-0.50	2.470	0.014	0.023	0.000332210	0.000545774
-0.25	2.875	0.032	0.055	0.000759337	0.001305111
0.00	2.971	0.121	0.176	0.002871245	0.004176356
0.25	3.910	0.226	0.402	0.005362821	0.009539177
0.50	3.699	0.446	0.848	0.010583266	0.020122443
0.75	4.346	0.816	1.664	0.019363106	0.039485549
1.00	6.195	2.025	3.689	0.048051825	0.087537374
1.25	8.626	4.089	7.778	0.097029092	0.184566466
1.50	10.291	6.832	14.610	0.162118552	0.346685017
1.75	16.139	12.093	26.703	0.286958379	0.633643396
2.00	10.840	8.647	35.350	0.205187224	0.838830620
2.25	5.224	4.261	39.611	0.101110531	0.939941151
2.50	1.905	1.393	41.004	0.033054910	0.972996061
2.75	0.795	0.521	41.525	0.012362963	0.985359024
3.00	0.399	0.274	41.799	0.006501827	0.991860851
3.25	0.122	0.109	41.908	0.002586493	0.994447345
3.50	0.071	0.075	41.983	0.001779697	0.996227042
3.75	0.052	0.058	42.041	0.001376299	0.997603341
4.00	0.047	0.044	42.085	0.001044089	0.998647430
PAN	0.070	0.057	42.142	0.001352570	1.0

TOTAL WT.	87.246	grams
DIGESTED WT.	42.142	grams
% SILICA	48.303	

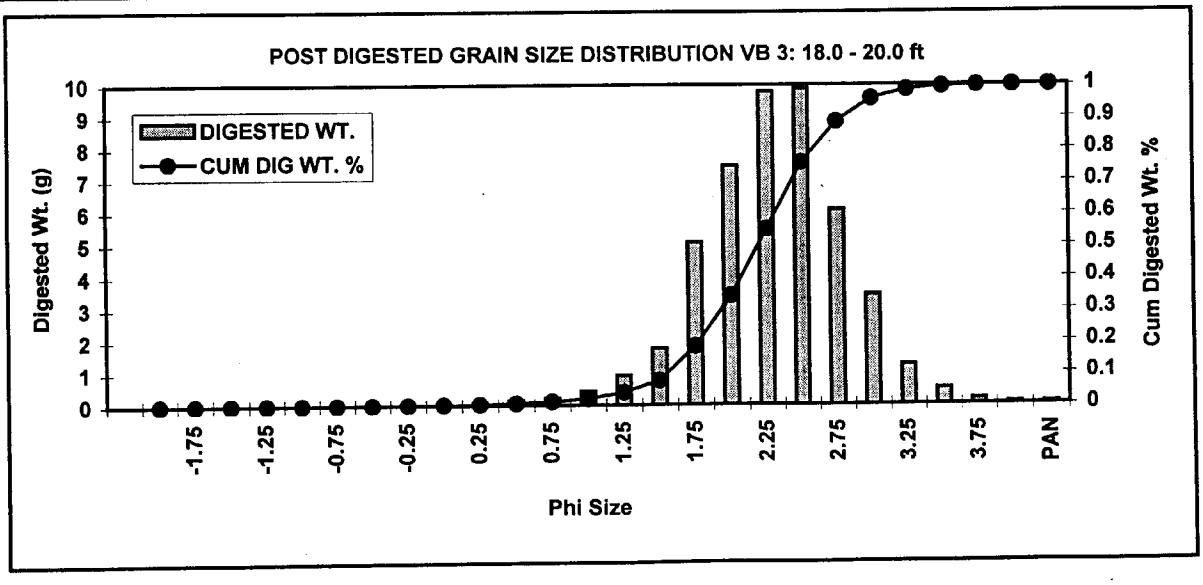


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 3: 18.0 - 20.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.166	0.000	0.000	0.000000000	0.000000000
-1.75	0.235	0.000	0.000	0.000000000	0.000000000
-1.50	0.207	0.000	0.000	0.000000000	0.000000000
-1.25	0.695	0.000	0.000	0.000000000	0.000000000
-1.00	0.585	0.000	0.000	0.000000000	0.000000000
-0.75	0.786	0.000	0.000	0.000000000	0.000000000
-0.50	1.120	0.013	0.013	0.000274273	0.000274273
-0.25	0.950	0.026	0.039	0.000548546	0.000822820
0.00	1.031	0.039	0.078	0.000822820	0.001645639
0.25	1.179	0.076	0.154	0.001603443	0.003249082
0.50	1.152	0.151	0.305	0.003185788	0.006434871
0.75	1.216	0.222	0.527	0.004683742	0.011118613
1.00	1.717	0.431	0.958	0.009093211	0.020211823
1.25	2.340	0.936	1.894	0.019747669	0.039959492
1.50	2.947	1.772	3.666	0.037385544	0.077345036
1.75	7.611	5.072	8.738	0.107008735	0.184353770
2.00	9.721	7.463	16.201	0.157453901	0.341807671
2.25	12.374	9.785	25.986	0.206443310	0.548250981
2.50	12.713	9.865	35.851	0.208131145	0.756382126
2.75	8.624	6.084	41.935	0.128359846	0.884741972
3.00	5.174	3.437	45.372	0.072513608	0.957255580
3.25	1.906	1.244	46.616	0.026245833	0.983501414
3.50	0.697	0.505	47.121	0.010654458	0.994155872
3.75	0.218	0.163	47.284	0.003438964	0.997594835
4.00	0.095	0.057	47.341	0.001202582	0.998797418
PAN	0.092	0.057	47.398	0.001202582	1.0

TOTAL WT.	75.551	grams
DIGESTED WT.	47.398	grams
% SILICA	62.736	

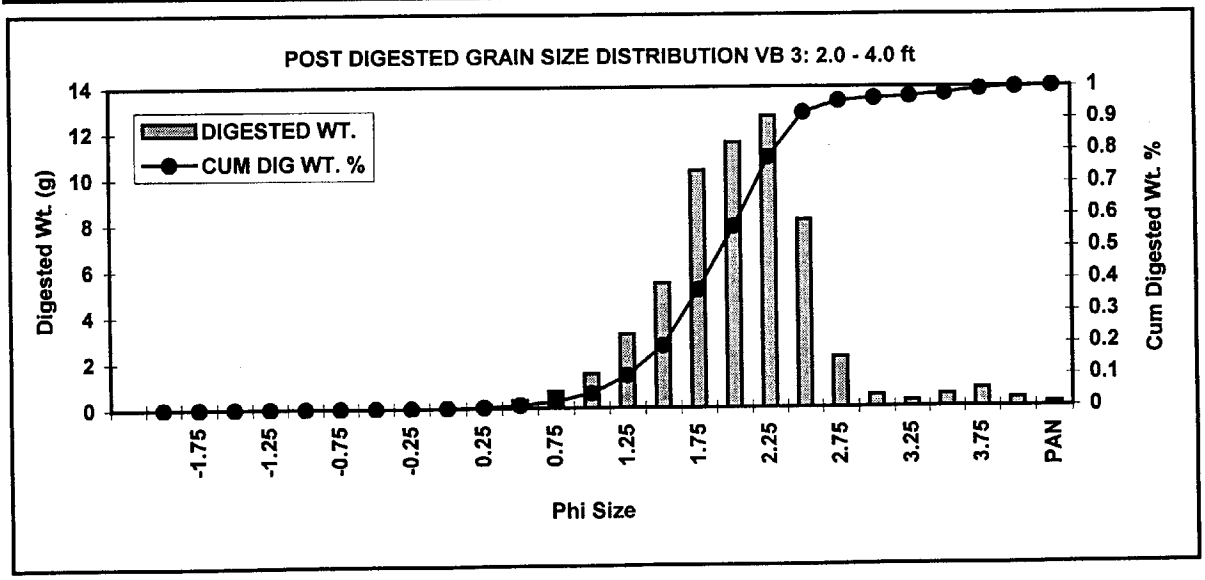


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 3: 2.0 - 4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.813	0.000	0.000	0.000000000	0.000000000
-1.75	0.346	0.000	0.000	0.000000000	0.000000000
-1.50	0.228	0.000	0.000	0.000000000	0.000000000
-1.25	0.460	0.000	0.000	0.000000000	0.000000000
-1.00	0.359	0.000	0.000	0.000000000	0.000000000
-0.75	0.391	0.000	0.000	0.000000000	0.000000000
-0.50	0.439	0.000	0.000	0.000000000	0.000000000
-0.25	0.675	0.020	0.020	0.000338753	0.000338753
0.00	0.625	0.028	0.048	0.000474255	0.000813008
0.25	1.044	0.155	0.203	0.002625339	0.003438347
0.50	1.446	0.338	0.541	0.005724932	0.009163279
0.75	2.061	0.715	1.256	0.012110434	0.021273713
1.00	3.176	1.488	2.744	0.025203252	0.046476965
1.25	5.136	3.227	5.971	0.054657859	0.101134824
1.50	6.915	5.444	11.415	0.092208672	0.193343496
1.75	12.904	10.333	21.748	0.175016938	0.368360434
2.00	14.497	11.566	33.314	0.195901084	0.564261518
2.25	16.595	12.706	46.020	0.215210027	0.779471545
2.50	12.120	8.201	54.221	0.138905827	0.918377371
2.75	4.274	2.193	56.414	0.037144309	0.955521680
3.00	1.105	0.508	56.922	0.008604336	0.964126016
3.25	0.406	0.260	57.182	0.004403794	0.968529810
3.50	0.662	0.539	57.721	0.009129404	0.977659214
3.75	0.869	0.782	58.503	0.013245257	0.990904472
4.00	0.431	0.371	58.874	0.006283875	0.997188347
PAN	0.200	0.166	59.040	0.002811653	1.0

TOTAL WT.	88.177	grams
DIGESTED WT.	59.040	grams
% SILICA	66.956	

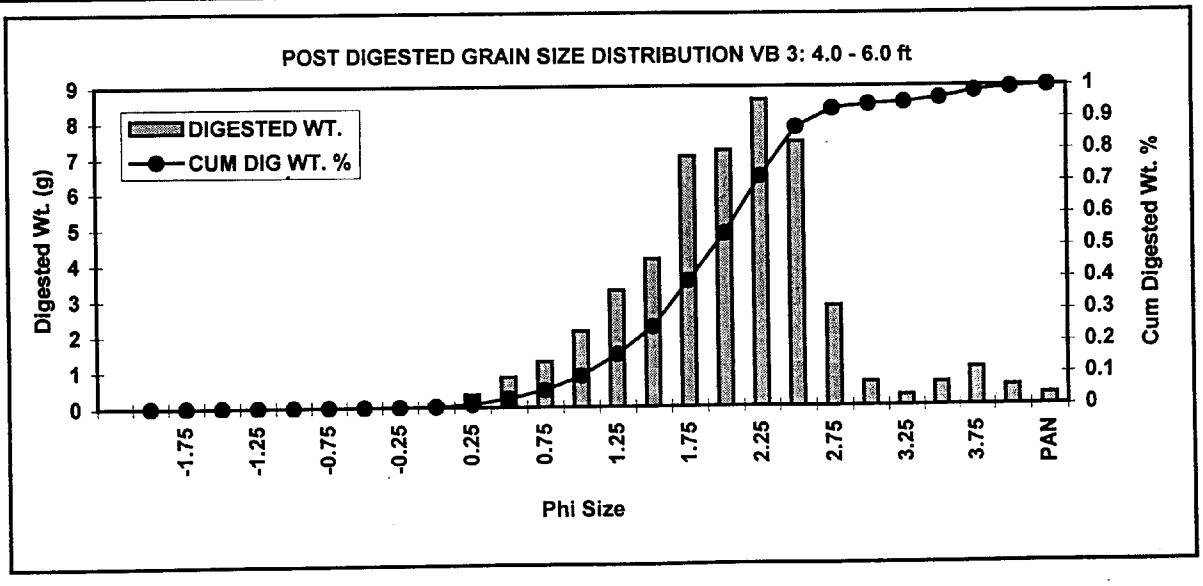


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 3: 4.0 - 6.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.569	0.000	0.000	0.000000000	0.000000000
-1.75	0.369	0.000	0.000	0.000000000	0.000000000
-1.50	0.202	0.000	0.000	0.000000000	0.000000000
-1.25	0.444	0.000	0.000	0.000000000	0.000000000
-1.00	0.443	0.000	0.000	0.000000000	0.000000000
-0.75	0.457	0.000	0.000	0.000000000	0.000000000
-0.50	0.530	0.000	0.000	0.000000000	0.000000000
-0.25	0.593	0.015	0.015	0.000308249	0.000308249
0.00	0.725	0.079	0.094	0.001623443	0.001931692
0.25	1.232	0.354	0.448	0.007274670	0.009206362
0.50	1.690	0.827	1.275	0.016994780	0.026201143
0.75	2.456	1.275	2.550	0.026201143	0.052402285
1.00	3.352	2.124	4.674	0.043648021	0.096050306
1.25	4.796	3.270	7.944	0.067198224	0.163248531
1.50	5.580	4.142	12.086	0.085117751	0.248366282
1.75	8.686	7.024	19.110	0.144342608	0.392708890
2.00	9.002	7.198	26.308	0.147918294	0.540627183
2.25	11.048	8.623	34.931	0.177201923	0.717829107
2.50	10.614	7.433	42.364	0.152747524	0.870576631
2.75	5.006	2.829	45.193	0.058135712	0.928712342
3.00	1.392	0.658	45.851	0.013521845	0.942234187
3.25	0.471	0.267	46.118	0.005486828	0.947721014
3.50	0.787	0.637	46.755	0.013090296	0.960811311
3.75	1.221	1.060	47.815	0.021782911	0.982594221
4.00	0.655	0.538	48.353	0.011055855	0.993650076
PAN	0.397	0.309	48.662	0.006349924	1.0

TOTAL WT.	72.717	grams
DIGESTED WT.	48.662	grams
% SILICA	66.920	

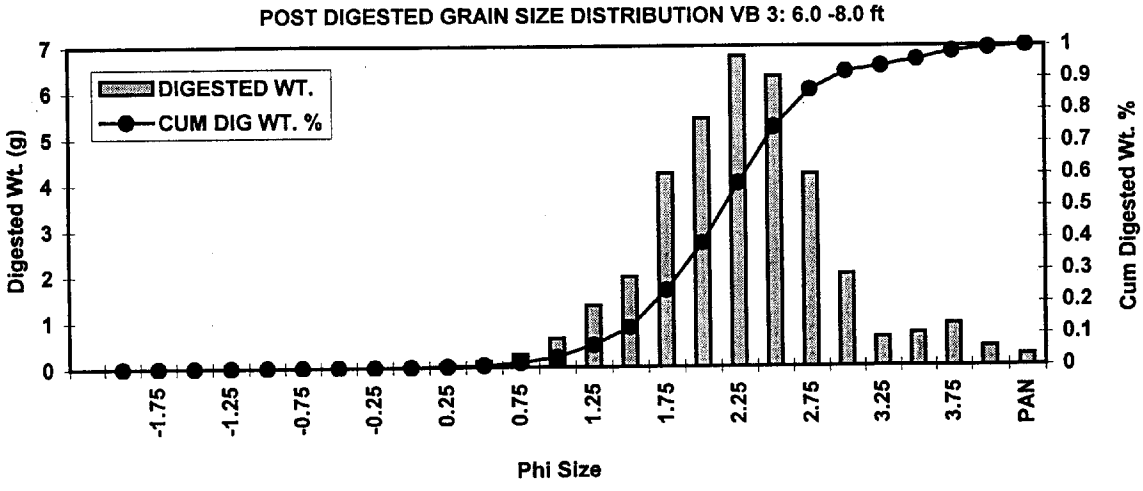


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 3: 6.0 - 8.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	3.246	0.000	0.000	0.000000000	0.000000000
-1.75	1.129	0.000	0.000	0.000000000	0.000000000
-1.50	1.339	0.000	0.000	0.000000000	0.000000000
-1.25	1.194	0.000	0.000	0.000000000	0.000000000
-1.00	1.375	0.000	0.000	0.000000000	0.000000000
-0.75	1.158	0.000	0.000	0.000000000	0.000000000
-0.50	1.223	0.000	0.000	0.000000000	0.000000000
-0.25	1.067	0.009	0.009	0.000247566	0.000247566
0.00	0.955	0.018	0.027	0.000495131	0.000742697
0.25	1.056	0.069	0.096	0.001898003	0.002640700
0.50	0.987	0.133	0.229	0.003658469	0.006299169
0.75	1.109	0.280	0.509	0.007702041	0.014001210
1.00	1.579	0.626	1.135	0.017219563	0.031220774
1.25	2.241	1.343	2.478	0.036942290	0.068163063
1.50	2.720	1.967	4.445	0.054106838	0.122269902
1.75	5.448	4.227	8.672	0.116273312	0.238543214
2.00	6.602	5.413	14.085	0.148896958	0.387440172
2.25	8.477	6.781	20.866	0.186526930	0.573967101
2.50	8.659	6.331	27.197	0.174148649	0.748115751
2.75	6.565	4.211	31.408	0.115833196	0.863948946
3.00	3.538	2.024	33.432	0.055674754	0.919623700
3.25	1.141	0.632	34.064	0.017384607	0.937008307
3.50	0.871	0.719	34.783	0.019777741	0.956786048
3.75	1.057	0.911	35.694	0.025059141	0.981845189
4.00	0.515	0.422	36.116	0.011608076	0.993453265
PAN	0.333	0.238	36.354	0.006546735	1.0

TOTAL WT.	65.584	grams
DIGESTED WT.	36.354	grams
% SILICA	55.431	

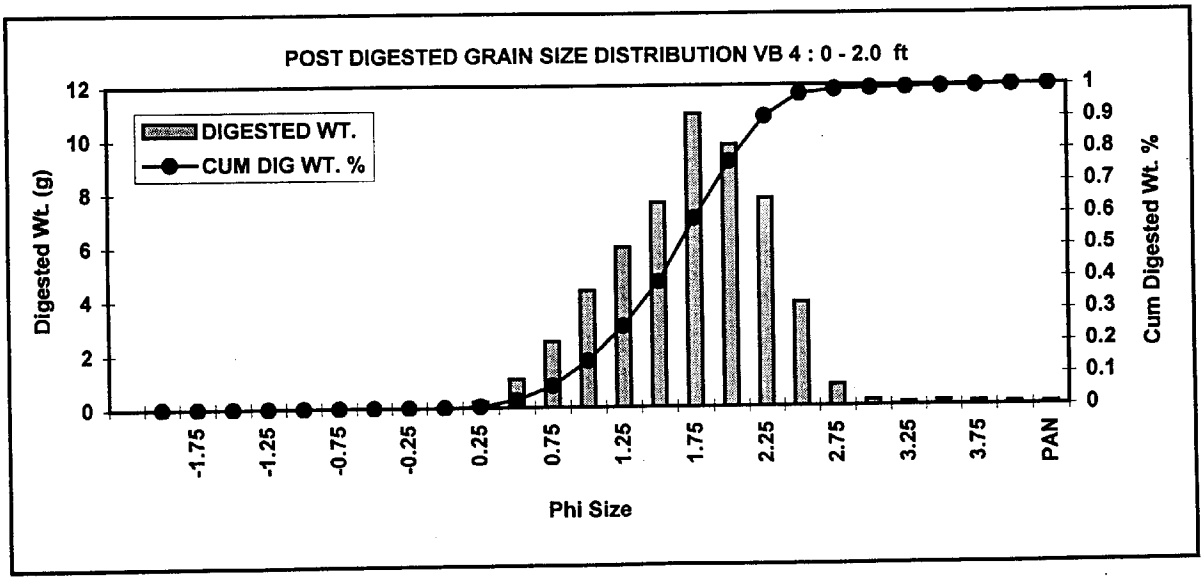


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 4 : 0 - 2.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.769	0.000	0.000	0.000000000	0.000000000
-1.75	0.233	0.000	0.000	0.000000000	0.000000000
-1.50	0.404	0.000	0.000	0.000000000	0.000000000
-1.25	0.782	0.000	0.000	0.000000000	0.000000000
-1.00	0.825	0.000	0.000	0.000000000	0.000000000
-0.75	0.863	0.000	0.000	0.000000000	0.000000000
-0.50	0.841	0.000	0.000	0.000000000	0.000000000
-0.25	0.889	0.000	0.000	0.000000000	0.000000000
0.00	0.852	0.021	0.021	0.000378017	0.000378017
0.25	1.446	0.214	0.235	0.003852177	0.004230195
0.50	2.531	1.040	1.275	0.018720861	0.022951056
0.75	4.543	2.454	3.729	0.044174032	0.067125088
1.00	7.056	4.334	8.063	0.078015589	0.145140676
1.25	9.332	5.970	14.033	0.107464943	0.252605620
1.50	9.716	7.619	21.652	0.137148309	0.389753929
1.75	14.242	10.948	32.600	0.197073065	0.586826994
2.00	12.409	9.781	42.381	0.176066099	0.762893093
2.25	10.241	7.775	50.156	0.139956438	0.902849531
2.50	5.839	3.877	54.033	0.069789210	0.972638741
2.75	1.545	0.786	54.819	0.014148651	0.986787392
3.00	0.345	0.195	55.014	0.003510161	0.990297554
3.25	0.140	0.114	55.128	0.002052094	0.992349648
3.50	0.150	0.153	55.281	0.002754127	0.995103775
3.75	0.115	0.115	55.396	0.002070095	0.997173870
4.00	0.083	0.080	55.476	0.001440066	0.998613936
PAN	0.073	0.077	55.553	0.001386064	1.0

TOTAL WT.	87.264	grams
DIGESTED WT.	55.553	grams
% SILICA	63.661	

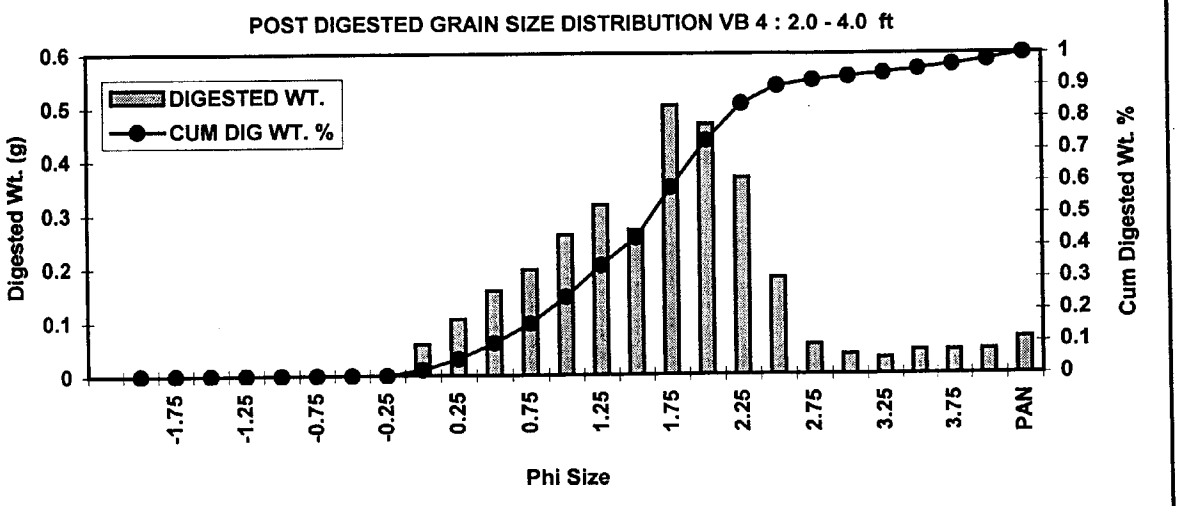


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 4 : 2.0 - 4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	7.651	0.000	0.000	0.000000000	0.000000000
-1.75	2.614	0.000	0.000	0.000000000	0.000000000
-1.50	3.105	0.000	0.000	0.000000000	0.000000000
-1.25	4.062	0.000	0.000	0.000000000	0.000000000
-1.00	3.939	0.000	0.000	0.000000000	0.000000000
-0.75	4.206	0.000	0.000	0.000000000	0.000000000
-0.50	4.178	0.000	0.000	0.000000000	0.000000000
-0.25	3.374	0.000	0.000	0.000000000	0.000000000
0.00	2.605	0.058	0.058	0.018079800	0.018079800
0.25	2.010	0.105	0.163	0.032730673	0.050810474
0.50	1.103	0.158	0.321	0.049251870	0.100062344
0.75	0.778	0.197	0.518	0.061408978	0.161471322
1.00	0.756	0.261	0.779	0.081359102	0.242830424
1.25	0.687	0.317	1.096	0.098815461	0.341645885
1.50	0.479	0.271	1.367	0.084476309	0.426122195
1.75	0.764	0.503	1.870	0.156795511	0.582917706
2.00	0.596	0.467	2.337	0.145573566	0.728491272
2.25	0.539	0.367	2.704	0.114401496	0.842892768
2.50	0.333	0.181	2.885	0.056421446	0.899314214
2.75	0.155	0.056	2.941	0.017456359	0.916770574
3.00	0.124	0.037	2.978	0.011533666	0.928304239
3.25	0.087	0.030	3.008	0.009351621	0.937655860
3.50	0.100	0.044	3.052	0.013715711	0.951371571
3.75	0.083	0.044	3.096	0.013715711	0.965087282
4.00	0.086	0.045	3.141	0.014027431	0.979114713
PAN	0.129	0.067	3.208	0.020885287	1.0

TOTAL WT.	44.543	grams
DIGESTED WT.	3.208	grams
% SILICA	7.202	

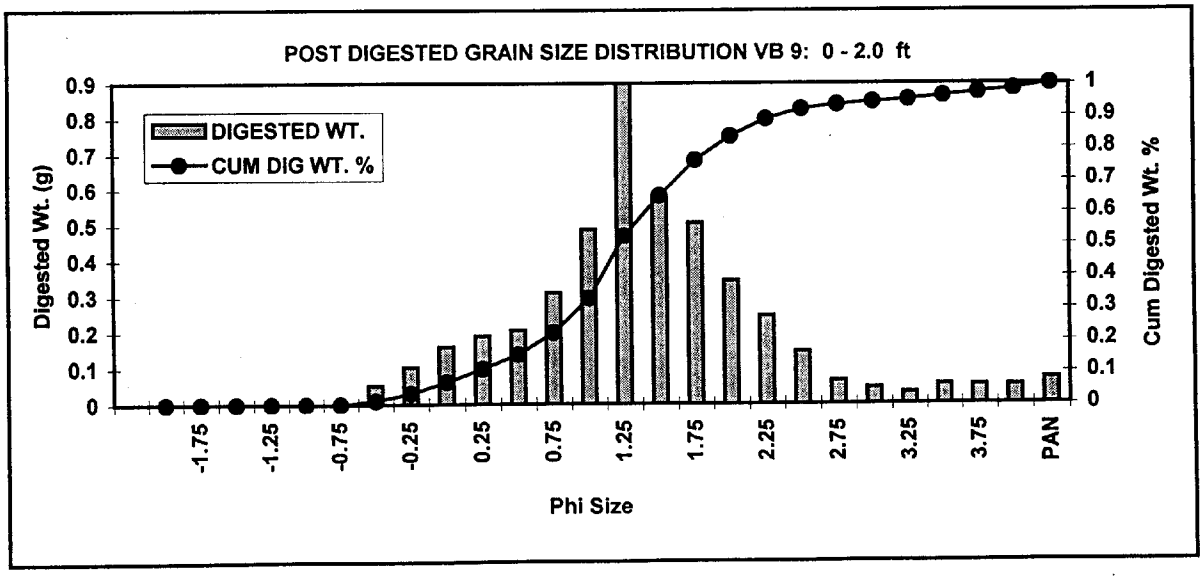


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 9 : 0 - 2.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	19.874	0.000	0.000	0.000000000	0.000000000
-1.75	4.266	0.000	0.000	0.000000000	0.000000000
-1.50	4.786	0.000	0.000	0.000000000	0.000000000
-1.25	5.782	0.000	0.000	0.000000000	0.000000000
-1.00	5.899	0.000	0.000	0.000000000	0.000000000
-0.75	6.212	0.000	0.000	0.000000000	0.000000000
-0.50	6.593	0.053	0.053	0.011476830	0.011476830
-0.25	6.722	0.104	0.157	0.022520572	0.033997401
0.00	5.680	0.162	0.319	0.035080121	0.069077523
0.25	6.223	0.191	0.510	0.041359896	0.110437419
0.50	5.547	0.207	0.717	0.044824599	0.155262018
0.75	5.692	0.311	1.028	0.067345171	0.222607189
1.00	6.120	0.489	1.517	0.105889996	0.328497185
1.25	5.073	0.900	2.417	0.194889563	0.523386748
1.50	2.456	0.582	2.999	0.126028584	0.649415331
1.75	1.761	0.508	3.507	0.110004331	0.759419662
2.00	1.027	0.346	3.853	0.074924210	0.834343872
2.25	0.967	0.247	4.100	0.053486358	0.887830230
2.50	0.871	0.146	4.246	0.031615418	0.919445647
2.75	0.555	0.065	4.311	0.014075357	0.933521005
3.00	0.389	0.045	4.356	0.009744478	0.943265483
3.25	0.248	0.032	4.388	0.006929407	0.950194890
3.50	0.296	0.054	4.442	0.011693374	0.961888263
3.75	0.301	0.052	4.494	0.011260286	0.973148549
4.00	0.252	0.052	4.546	0.011260286	0.984408835
PAN	0.519	0.072	4.618	0.015591165	1.0

TOTAL WT.	104.111	grams
DIGESTED WT.	4.618	grams
% SILICA	4.436	

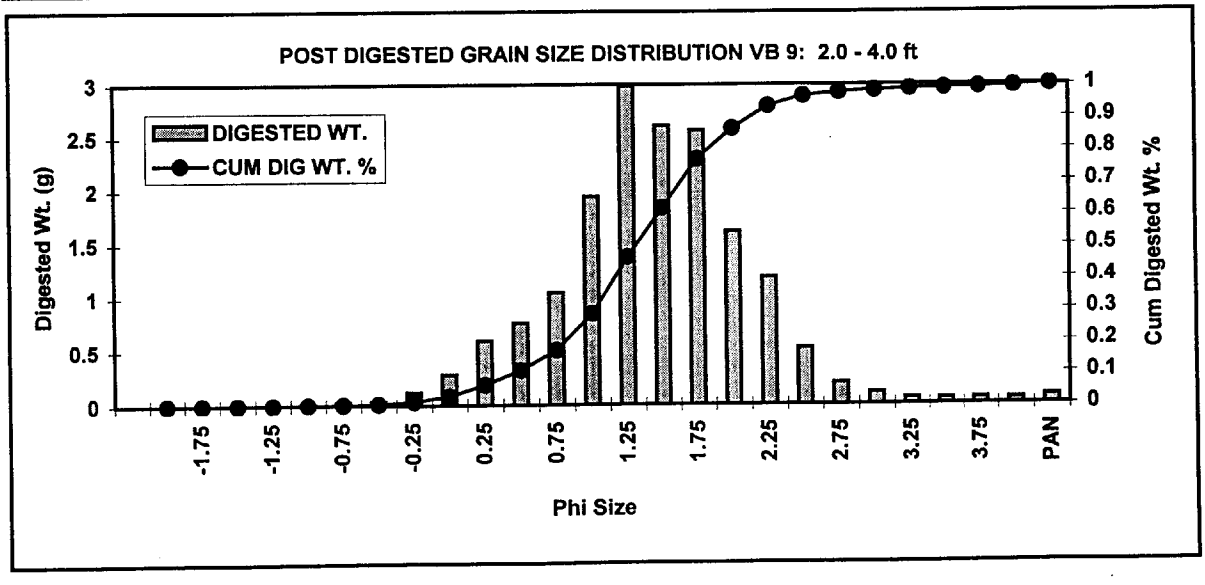


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 9 : 2.0 - 4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	3.779	0.000	0.000	0.000000000	0.000000000
-1.75	0.444	0.000	0.000	0.000000000	0.000000000
-1.50	0.715	0.000	0.000	0.000000000	0.000000000
-1.25	0.409	0.000	0.000	0.000000000	0.000000000
-1.00	0.893	0.011	0.011	0.000648547	0.000648547
-0.75	0.974	0.026	0.037	0.001532928	0.002181475
-0.50	1.373	0.036	0.073	0.002122516	0.004303992
-0.25	2.455	0.119	0.192	0.007016096	0.011320087
0.00	3.666	0.287	0.479	0.016921172	0.028241259
0.25	7.403	0.596	1.075	0.035139438	0.063380697
0.50	10.402	0.765	1.840	0.045103473	0.108484170
0.75	14.423	1.049	2.889	0.061847768	0.170331938
1.00	18.125	1.949	4.838	0.114910677	0.285242615
1.25	16.384	2.984	7.822	0.175933023	0.461175638
1.50	28.607	2.614	10.436	0.154118271	0.615293910
1.75	0.962	2.571	13.007	0.151583043	0.766876953
2.00	1.400	1.623	14.630	0.095690113	0.862567066
2.25	1.375	1.194	15.824	0.070396793	0.932963858
2.50	0.796	0.527	16.351	0.031071281	0.964035139
2.75	0.459	0.198	16.549	0.011673840	0.975708979
3.00	0.272	0.108	16.657	0.006367549	0.982076529
3.25	0.120	0.058	16.715	0.003419610	0.985496138
3.50	0.067	0.055	16.770	0.003242733	0.988738872
3.75	0.066	0.057	16.827	0.003360651	0.992099522
4.00	0.054	0.053	16.880	0.003124816	0.995224338
PAN	0.023	0.081	16.961	0.004775662	1.0

TOTAL WT.	115.646	grams
DIGESTED WT.	16.961	grams
% SILICA	14.666	

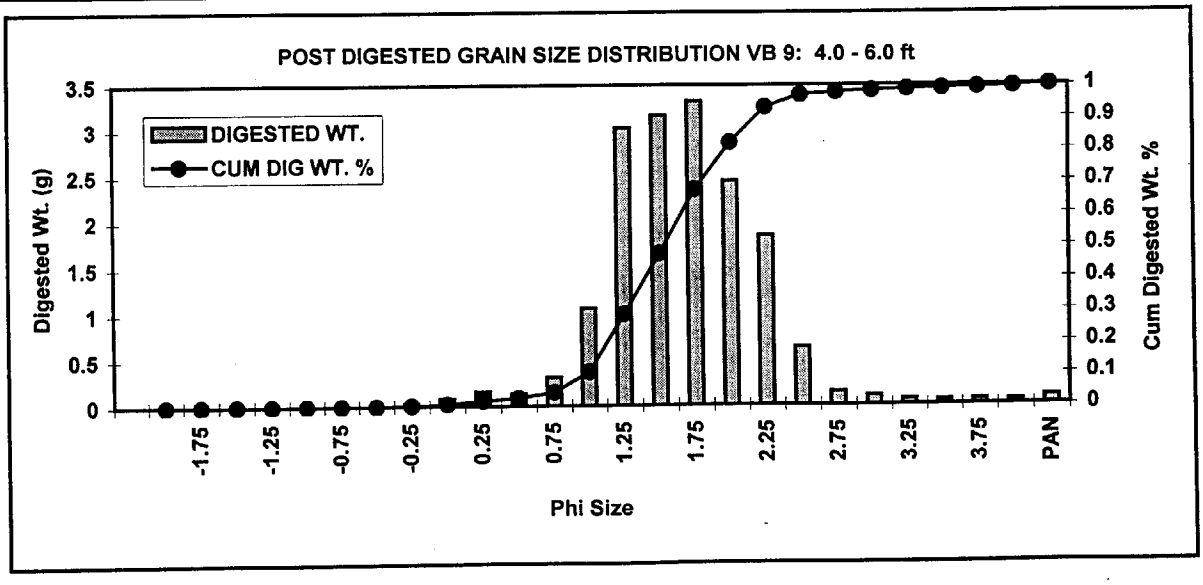


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 9 : 4.0 - 6.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	2.126	0.000	0.000	0.000000000	0.000000000
-1.75	0.244	0.000	0.000	0.000000000	0.000000000
-1.50	0.554	0.000	0.000	0.000000000	0.000000000
-1.25	0.345	0.000	0.000	0.000000000	0.000000000
-1.00	0.484	0.000	0.000	0.000000000	0.000000000
-0.75	0.543	0.003	0.003	0.000178763	0.000178763
-0.50	1.058	0.000	0.003	0.000000000	0.000178763
-0.25	1.609	0.031	0.034	0.001847217	0.002025980
0.00	2.221	0.081	0.115	0.004826600	0.006852580
0.25	4.191	0.159	0.274	0.009474437	0.016327017
0.50	6.305	0.135	0.409	0.008044333	0.024371350
0.75	8.905	0.312	0.721	0.018591348	0.042962698
1.00	13.054	1.067	1.788	0.063580026	0.106542724
1.25	14.608	3.031	4.819	0.180610178	0.287152902
1.50	10.843	3.168	7.987	0.188773686	0.475926588
1.75	10.629	3.321	11.308	0.197890597	0.673817185
2.00	7.786	2.451	13.759	0.146049339	0.819866524
2.25	6.125	1.853	15.612	0.110415922	0.930282445
2.50	3.101	0.633	16.245	0.037718985	0.968001430
2.75	1.133	0.143	16.388	0.008521034	0.976522465
3.00	0.519	0.098	16.486	0.005839590	0.982362055
3.25	0.228	0.057	16.543	0.003396496	0.985758551
3.50	0.144	0.050	16.593	0.002979383	0.988737934
3.75	0.124	0.051	16.644	0.003038970	0.991776904
4.00	0.103	0.047	16.691	0.002800620	0.994577524
PAN	0.220	0.091	16.782	0.005422476	1.0

TOTAL WT.	97.202	grams
DIGESTED WT.	16.782	grams
% SILICA	17.265	

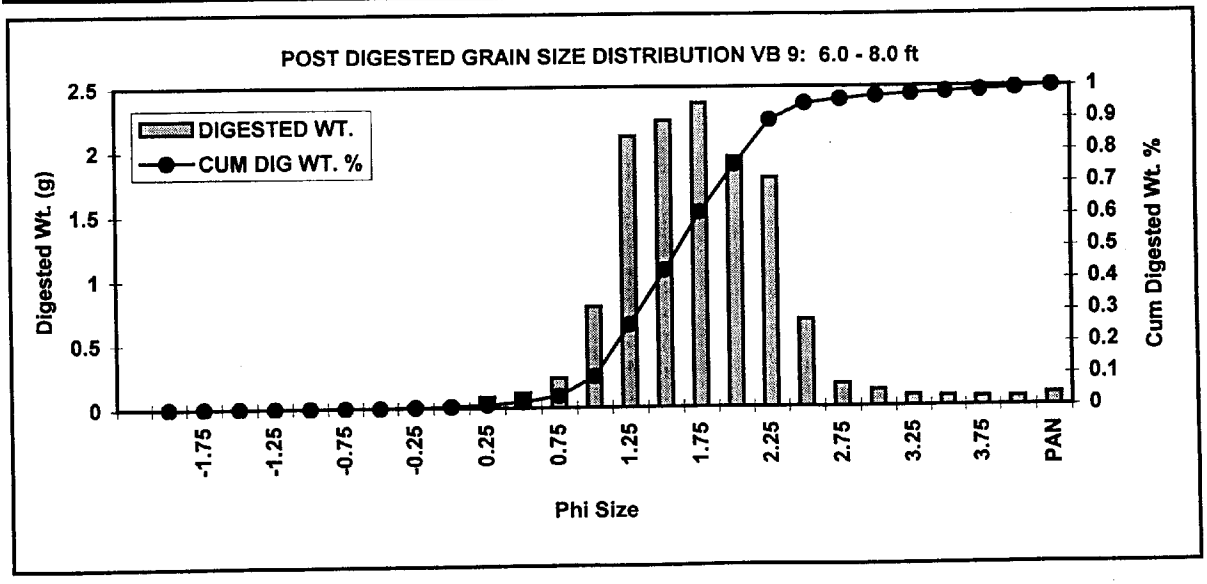


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 9 : 6.0 - 8.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	3.424	0.000	0.000	0.000000000	0.000000000
-1.75	0.441	0.000	0.000	0.000000000	0.000000000
-1.50	0.445	0.000	0.000	0.000000000	0.000000000
-1.25	0.635	0.000	0.000	0.000000000	0.000000000
-1.00	0.512	0.000	0.000	0.000000000	0.000000000
-0.75	0.564	0.002	0.002	0.000152614	0.000152614
-0.50	0.943	0.000	0.002	0.000000000	0.000152614
-0.25	1.680	0.021	0.023	0.001602442	0.001755055
0.00	2.227	0.026	0.049	0.001983976	0.003739031
0.25	4.423	0.082	0.131	0.006257154	0.009996185
0.50	6.251	0.118	0.249	0.009004197	0.019000382
0.75	8.786	0.230	0.479	0.017550553	0.036550935
1.00	11.972	0.790	1.269	0.060282335	0.096833270
1.25	12.307	2.117	3.386	0.161541396	0.258374666
1.50	8.691	2.237	5.623	0.170698207	0.429072873
1.75	9.796	2.369	7.992	0.180770698	0.609843571
2.00	8.066	1.950	9.942	0.148798169	0.758641740
2.25	7.057	1.788	11.730	0.136436475	0.895078214
2.50	4.159	0.680	12.410	0.051888592	0.946966807
2.75	1.808	0.175	12.585	0.013353682	0.960320488
3.00	0.944	0.126	12.711	0.009614651	0.969935139
3.25	0.439	0.082	12.793	0.006257154	0.976192293
3.50	0.315	0.078	12.871	0.005951927	0.982144220
3.75	0.239	0.067	12.938	0.005112552	0.987256772
4.00	0.223	0.070	13.008	0.005341473	0.992598245
PAN	0.282	0.097	13.105	0.007401755	1.0

TOTAL WT.	96.629	grams
DIGESTED WT.	13.105	grams
% SILICA	13.562	

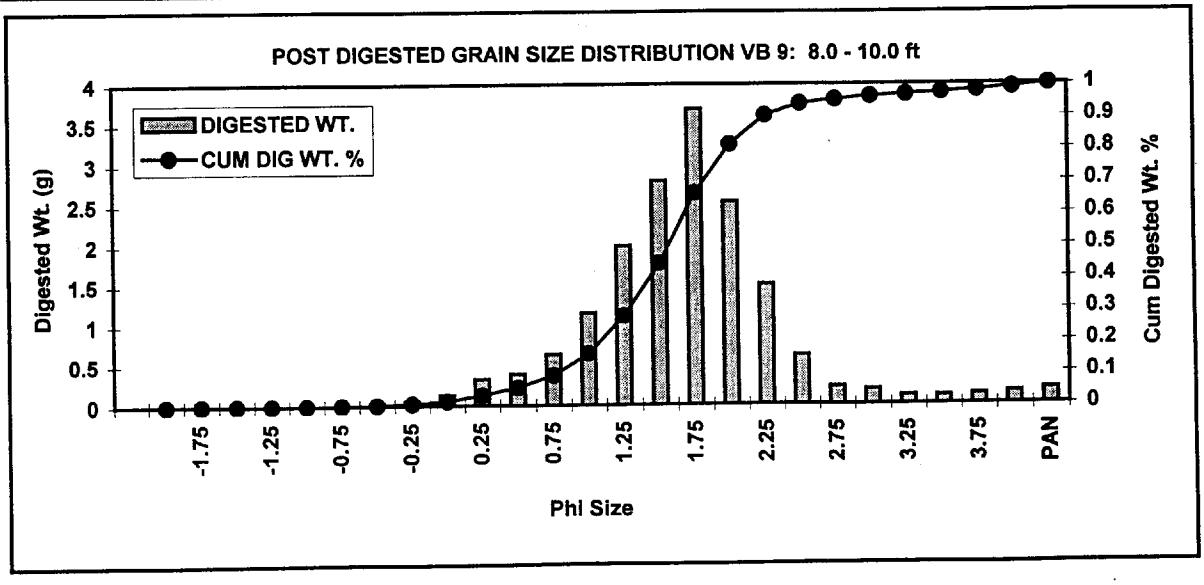


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 9 : 8.0 - 10.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.225	0.000	0.000	0.000000000	0.000000000
-1.75	0.303	0.000	0.000	0.000000000	0.000000000
-1.50	0.323	0.000	0.000	0.000000000	0.000000000
-1.25	0.414	0.000	0.000	0.000000000	0.000000000
-1.00	0.459	0.000	0.000	0.000000000	0.000000000
-0.75	0.729	0.009	0.009	0.000530567	0.000530567
-0.50	1.113	0.032	0.041	0.001886459	0.002417025
-0.25	1.832	0.058	0.099	0.003419207	0.005836232
0.00	2.506	0.132	0.231	0.007781642	0.013617874
0.25	4.617	0.327	0.558	0.019277250	0.032895125
0.50	5.804	0.394	0.952	0.023227024	0.056122148
0.75	7.615	0.638	1.590	0.037611272	0.093733420
1.00	10.144	1.157	2.747	0.068207275	0.161940694
1.25	11.435	1.993	4.740	0.117491010	0.279431704
1.50	10.052	2.801	7.541	0.165124094	0.444555798
1.75	12.291	3.692	11.233	0.217650180	0.662205978
2.00	8.951	2.541	13.774	0.149796616	0.812002594
2.25	6.816	1.514	15.288	0.089253080	0.901255674
2.50	4.583	0.615	15.903	0.036255379	0.937511053
2.75	2.447	0.221	16.124	0.013028356	0.950539409
3.00	1.294	0.180	16.304	0.010611331	0.961150740
3.25	0.565	0.103	16.407	0.006072039	0.967222779
3.50	0.384	0.099	16.506	0.005836232	0.973059011
3.75	0.398	0.118	16.624	0.006956317	0.980015327
4.00	0.426	0.150	16.774	0.008842775	0.988858103
PAN	0.688	0.189	16.963	0.011141897	1.0

TOTAL WT.	96.414	grams
DIGESTED WT.	16.963	grams
% SILICA	17.594	

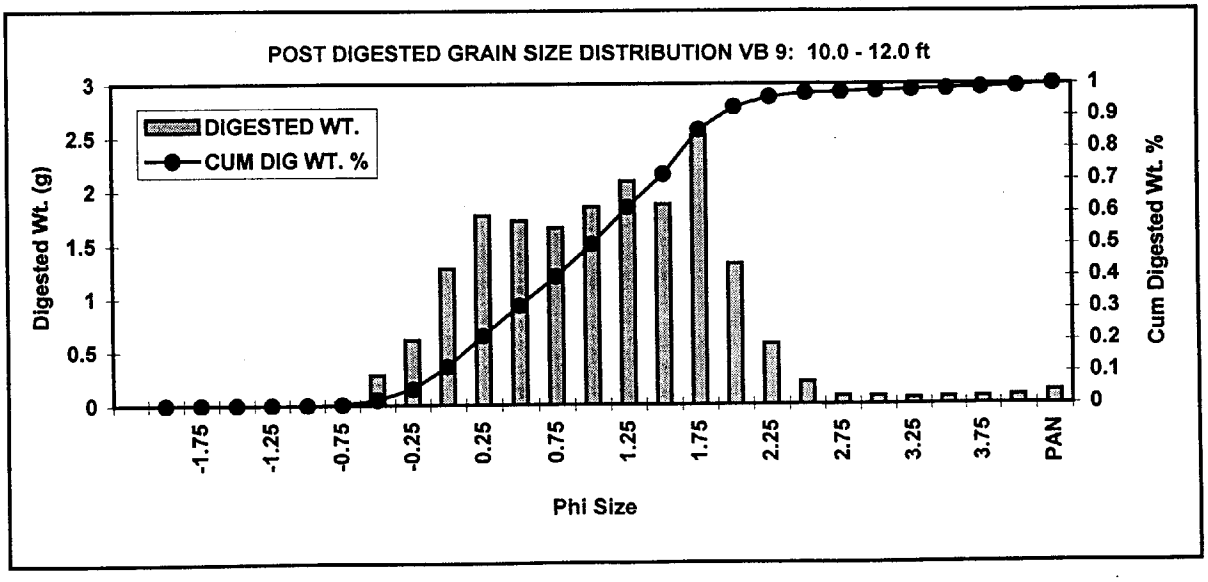


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 9 : 10.0 - 12.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	12.687	0.000	0.000	0.000000000	0.000000000
-1.75	1.971	0.000	0.000	0.000000000	0.000000000
-1.50	1.964	0.000	0.000	0.000000000	0.000000000
-1.25	2.455	0.000	0.000	0.000000000	0.000000000
-1.00	2.702	0.000	0.000	0.000000000	0.000000000
-0.75	2.898	0.036	0.036	0.001962281	0.001962281
-0.50	4.052	0.282	0.318	0.015371198	0.017333479
-0.25	5.625	0.611	0.929	0.033304263	0.050637741
0.00	7.613	1.282	2.211	0.069878993	0.120516734
0.25	11.178	1.772	3.983	0.096587812	0.217104546
0.50	10.877	1.723	5.706	0.093916930	0.311021476
0.75	10.910	1.659	7.365	0.090428431	0.401449907
1.00	10.614	1.853	9.218	0.101002943	0.502452851
1.25	8.974	2.095	11.313	0.114193830	0.616646680
1.50	12.869	1.877	13.190	0.102311130	0.718957811
1.75	1.879	2.520	15.710	0.137359642	0.856317453
2.00	1.308	1.319	17.029	0.071895781	0.928213234
2.25	0.783	0.568	17.597	0.030960427	0.959173662
2.50	0.436	0.211	17.808	0.011501145	0.970674806
2.75	0.264	0.076	17.884	0.004142592	0.974817399
3.00	0.208	0.071	17.955	0.003870053	0.978687452
3.25	0.136	0.057	18.012	0.003106944	0.981794397
3.50	0.082	0.063	18.075	0.003433991	0.985228388
3.75	0.088	0.066	18.141	0.003597514	0.988825902
4.00	0.098	0.081	18.222	0.004415131	0.993241033
PAN	0.095	0.124	18.346	0.006758967	1.0

TOTAL WT.	112.766	grams
DIGESTED WT.	18.346	grams
% SILICA	16.269	

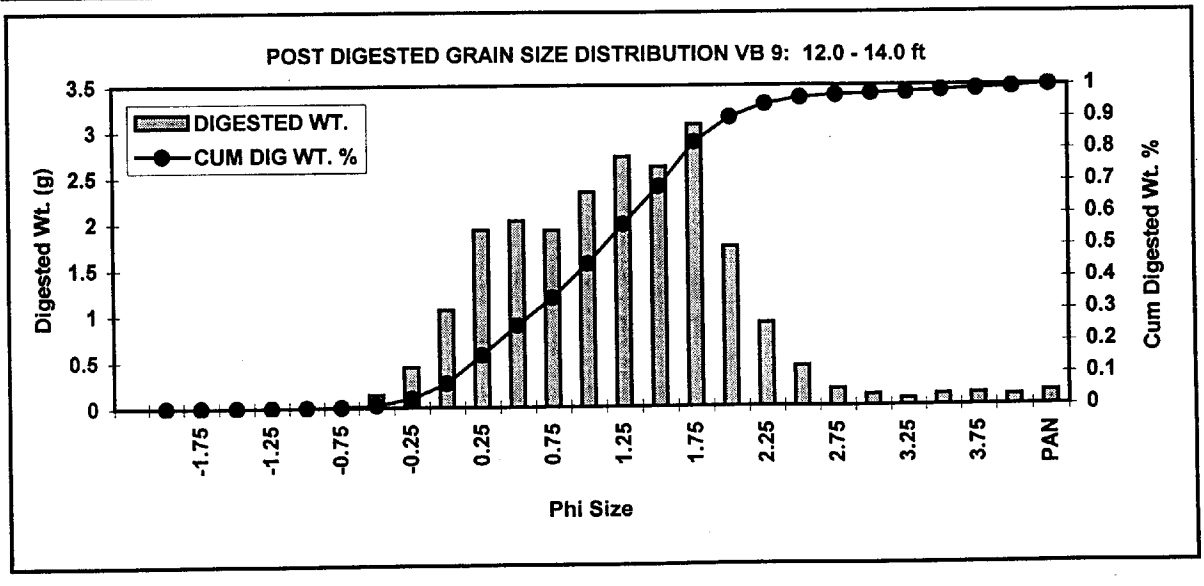


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 9 : 12.0 - 14.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	9.292	0.000	0.000	0.000000000	0.000000000
-1.75	2.403	0.000	0.000	0.000000000	0.000000000
-1.50	2.887	0.000	0.000	0.000000000	0.000000000
-1.25	3.913	0.000	0.000	0.000000000	0.000000000
-1.00	4.969	0.017	0.017	0.000764182	0.000764182
-0.75	4.609	0.021	0.038	0.000943990	0.001708172
-0.50	4.961	0.144	0.182	0.006473074	0.008181246
-0.25	5.687	0.442	0.624	0.019868740	0.028049987
0.00	6.855	1.060	1.684	0.047649016	0.075699002
0.25	10.233	1.930	3.614	0.086757170	0.162456172
0.50	10.869	2.025	5.639	0.091027600	0.253483772
0.75	11.221	1.925	7.564	0.086532410	0.340016183
1.00	11.243	2.337	9.901	0.105052594	0.445068776
1.25	9.638	2.719	12.620	0.122224220	0.567292996
1.50	6.859	2.609	15.229	0.117279511	0.684572507
1.75	6.973	3.067	18.296	0.137867482	0.822439989
2.00	3.993	1.740	20.036	0.078216309	0.900656298
2.25	2.515	0.909	20.945	0.040861278	0.941517576
2.50	1.675	0.435	21.380	0.019554077	0.961071653
2.75	0.745	0.181	21.561	0.008136294	0.969207947
3.00	0.356	0.111	21.672	0.004989661	0.974197609
3.25	0.163	0.065	21.737	0.002921874	0.977119482
3.50	0.188	0.120	21.857	0.005394228	0.982513710
3.75	0.178	0.127	21.984	0.005708891	0.988222602
4.00	0.227	0.110	22.094	0.004944709	0.993167311
PAN	0.374	0.152	22.246	0.006832689	1.0

TOTAL WT.	123.026	grams
DIGESTED WT.	22.246	grams
% SILICA	18.082	

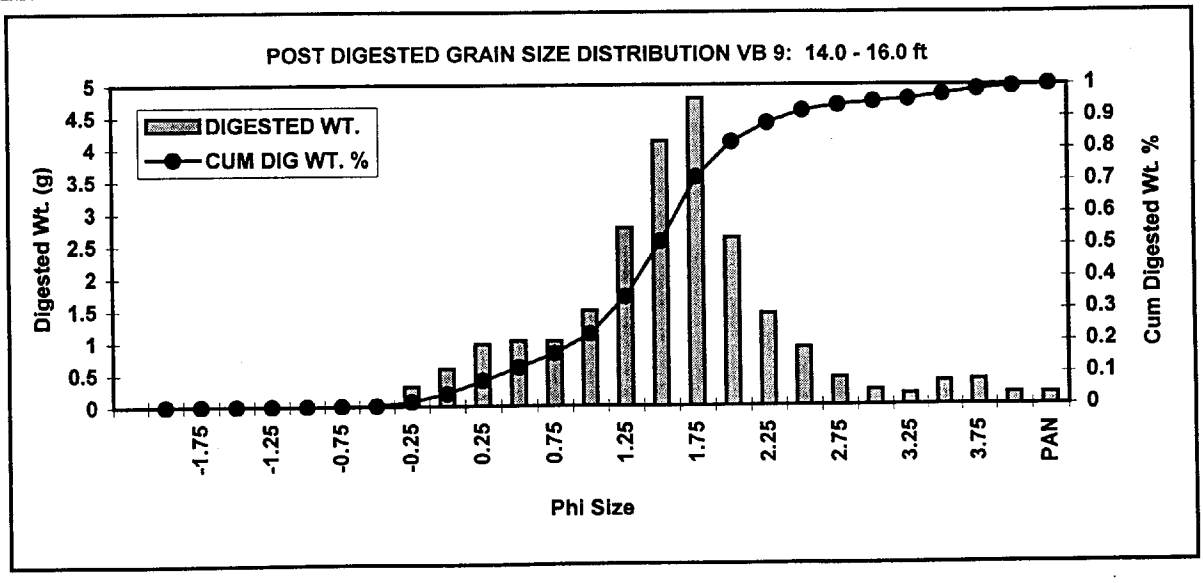


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 9 : 14.0 - 16.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.772	0.000	0.000	0.000000000	0.000000000
-1.75	0.908	0.000	0.000	0.000000000	0.000000000
-1.50	1.208	0.000	0.000	0.000000000	0.000000000
-1.25	1.975	0.000	0.000	0.000000000	0.000000000
-1.00	2.212	0.000	0.000	0.000000000	0.000000000
-0.75	2.384	0.015	0.015	0.000624584	0.000624584
-0.50	3.272	0.036	0.051	0.001499001	0.002123584
-0.25	4.222	0.308	0.359	0.012824783	0.014948368
0.00	4.736	0.585	0.944	0.024358761	0.039307129
0.25	7.575	0.963	1.907	0.040098268	0.079405396
0.50	8.244	1.018	2.925	0.042388408	0.121793804
0.75	8.944	1.014	3.939	0.042221852	0.164015656
1.00	10.127	1.487	5.426	0.061917055	0.225932712
1.25	10.877	2.772	8.198	0.115423051	0.341355763
1.50	9.456	4.116	12.314	0.171385743	0.512741506
1.75	11.357	4.790	17.104	0.199450366	0.712191872
2.00	7.165	2.615	19.719	0.108885743	0.821077615
2.25	5.654	1.437	21.156	0.059835110	0.880912725
2.50	4.575	0.903	22.059	0.037599933	0.918512658
2.75	2.276	0.433	22.492	0.018029647	0.936542305
3.00	0.937	0.236	22.728	0.009826782	0.946369087
3.25	0.462	0.169	22.897	0.007036975	0.953406063
3.50	0.621	0.366	23.263	0.015239840	0.968645903
3.75	0.649	0.393	23.656	0.016364091	0.985009993
4.00	0.387	0.183	23.839	0.007619920	0.992629913
PAN	0.446	0.177	24.016	0.007370087	1.0

TOTAL WT.	111.441	grams
DIGESTED WT.	24.016	grams
% SILICA	21.550	

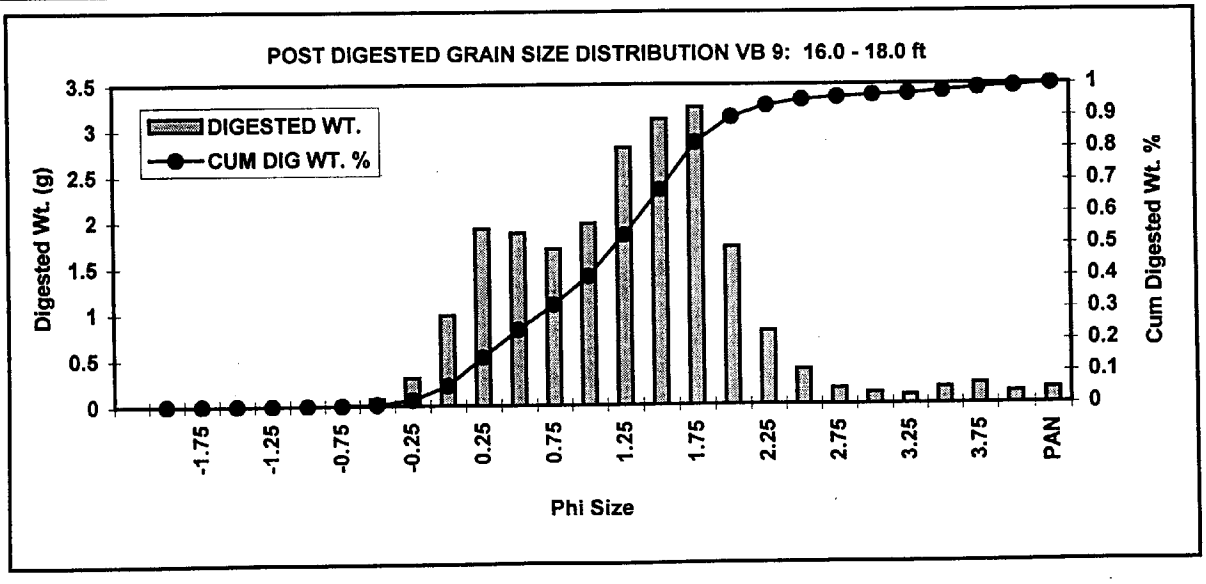


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 9 : 16.0 - 18.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	5.133	0.000	0.000	0.000000000	0.000000000
-1.75	1.356	0.000	0.000	0.000000000	0.000000000
-1.50	1.321	0.000	0.000	0.000000000	0.000000000
-1.25	1.617	0.000	0.000	0.000000000	0.000000000
-1.00	2.561	0.000	0.000	0.000000000	0.000000000
-0.75	2.394	0.013	0.013	0.000589944	0.000589944
-0.50	2.516	0.076	0.089	0.003448902	0.004038846
-0.25	3.227	0.304	0.393	0.013795607	0.017834453
0.00	5.021	0.985	1.378	0.044699583	0.062534035
0.25	9.496	1.930	3.308	0.087583954	0.150117989
0.50	10.210	1.879	5.187	0.085269559	0.235387548
0.75	10.067	1.703	6.890	0.077282628	0.312670176
1.00	9.951	1.984	8.874	0.090034489	0.402704665
1.25	9.178	2.812	11.686	0.127609366	0.530314032
1.50	6.989	3.118	14.804	0.141495734	0.671809766
1.75	6.847	3.248	18.052	0.147395172	0.819204937
2.00	3.688	1.722	19.774	0.078144854	0.897349791
2.25	2.267	0.805	20.579	0.036531131	0.933880922
2.50	1.528	0.383	20.962	0.017380650	0.951261572
2.75	0.766	0.173	21.135	0.007850790	0.959112362
3.00	0.399	0.121	21.256	0.005491015	0.964603376
3.25	0.193	0.091	21.347	0.004129606	0.968732982
3.50	0.314	0.176	21.523	0.007986930	0.976719913
3.75	0.335	0.219	21.742	0.009938283	0.986658196
4.00	0.244	0.128	21.870	0.005808677	0.992466872
PAN	0.310	0.166	22.036	0.007533128	1.0

TOTAL WT.	97.928	grams
DIGESTED WT.	22.036	grams
% SILICA	22.502	

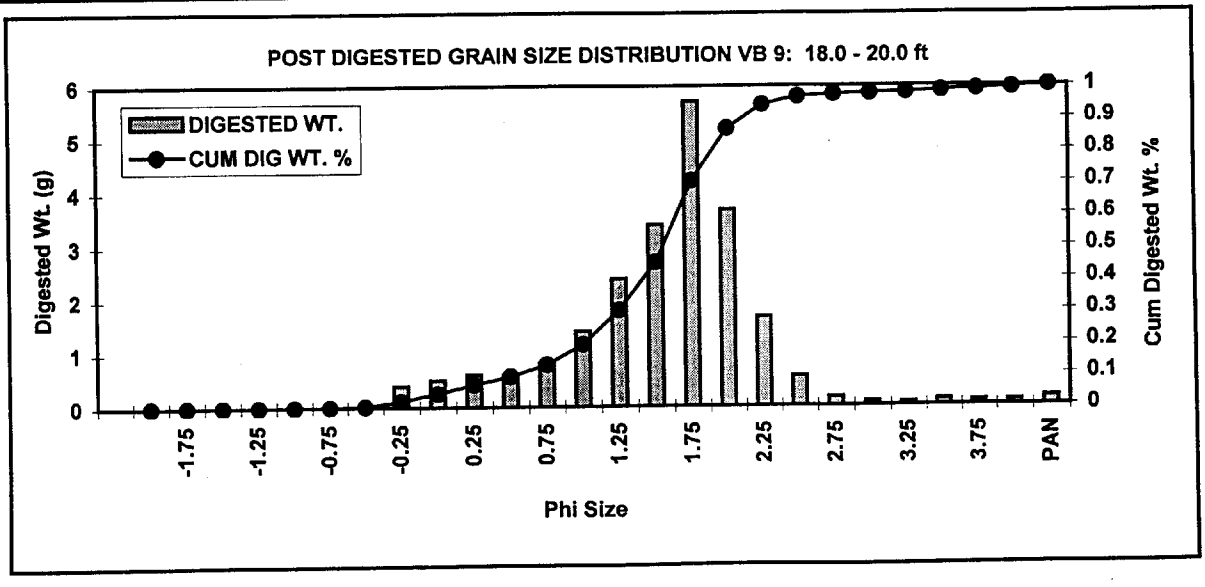


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 9 : 18.0 - 20.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	4.823	0.000	0.000	0.000000000	0.000000000
-1.75	0.732	0.000	0.000	0.000000000	0.000000000
-1.50	0.961	0.000	0.000	0.000000000	0.000000000
-1.25	1.246	0.000	0.000	0.000000000	0.000000000
-1.00	1.745	0.009	0.009	0.000397948	0.000397948
-0.75	1.664	0.008	0.017	0.000353732	0.000751680
-0.50	2.758	0.042	0.059	0.001857092	0.002608773
-0.25	5.689	0.403	0.462	0.017819243	0.020428016
0.00	6.759	0.512	0.974	0.022638840	0.043066855
0.25	7.805	0.606	1.580	0.026795189	0.069862045
0.50	7.058	0.603	2.183	0.026662540	0.096524584
0.75	7.295	0.820	3.003	0.036257517	0.132782101
1.00	8.381	1.422	4.425	0.062875840	0.195657941
1.25	9.452	2.395	6.820	0.105898479	0.301556420
1.50	9.298	3.393	10.213	0.150026530	0.451582950
1.75	11.905	5.709	15.922	0.252431907	0.704014857
2.00	8.072	3.682	19.604	0.162805094	0.866819950
2.25	4.810	1.681	21.285	0.074327909	0.941147860
2.50	2.484	0.568	21.853	0.025114963	0.966262823
2.75	1.035	0.165	22.018	0.007295720	0.973558543
3.00	0.442	0.080	22.098	0.003537319	0.977095861
3.25	0.239	0.063	22.161	0.002785638	0.979881500
3.50	0.262	0.117	22.278	0.005173329	0.985054828
3.75	0.234	0.091	22.369	0.004023700	0.989078528
4.00	0.192	0.088	22.457	0.003891051	0.992969579
PAN	0.302	0.159	22.616	0.007030421	1.0

TOTAL WT.	105.643	grams
DIGESTED WT.	22.616	grams
% SILICA	21.408	

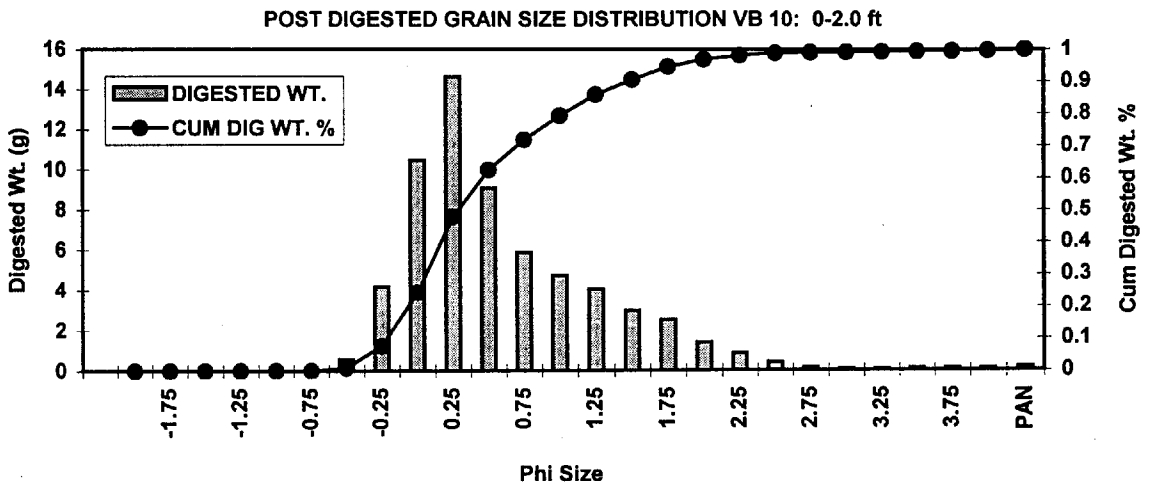


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 10 : 0 - 2.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.802	0.000	0.000	0.000000000	0.000000000
-1.75	0.387	0.000	0.000	0.000000000	0.000000000
-1.50	0.490	0.000	0.000	0.000000000	0.000000000
-1.25	0.442	0.000	0.000	0.000000000	0.000000000
-1.00	0.631	0.000	0.000	0.000000000	0.000000000
-0.75	0.762	0.016	0.016	0.000256492	0.000256492
-0.50	1.662	0.565	0.581	0.009057390	0.009313883
-0.25	5.406	4.172	4.753	0.066880410	0.076194293
0.00	12.177	10.436	15.189	0.167297211	0.243491504
0.25	18.815	14.625	29.814	0.234450144	0.477941648
0.50	13.775	9.058	38.872	0.145206797	0.623148445
0.75	11.235	5.871	44.743	0.094116704	0.717265149
1.00	9.525	4.719	49.462	0.075649247	0.792914396
1.25	7.772	4.049	53.511	0.064908625	0.857823020
1.50	5.062	2.960	56.471	0.047451106	0.905274126
1.75	4.295	2.516	58.987	0.040333440	0.945607567
2.00	2.177	1.378	60.365	0.022090414	0.967697980
2.25	1.260	0.836	61.201	0.013401731	0.981099711
2.50	0.596	0.404	61.605	0.006476435	0.987576146
2.75	0.272	0.144	61.749	0.002308432	0.989884578
3.00	0.163	0.063	61.812	0.001009939	0.990894517
3.25	0.102	0.064	61.876	0.001025970	0.991920487
3.50	0.101	0.110	61.986	0.001763386	0.993683873
3.75	0.094	0.106	62.092	0.001699263	0.995383136
4.00	0.085	0.112	62.204	0.001795447	0.997178583
PAN	0.132	0.176	62.380	0.002821417	1.0

TOTAL WT.	98.220	grams
DIGESTED WT.	62.380	grams
% SILICA	63.510	

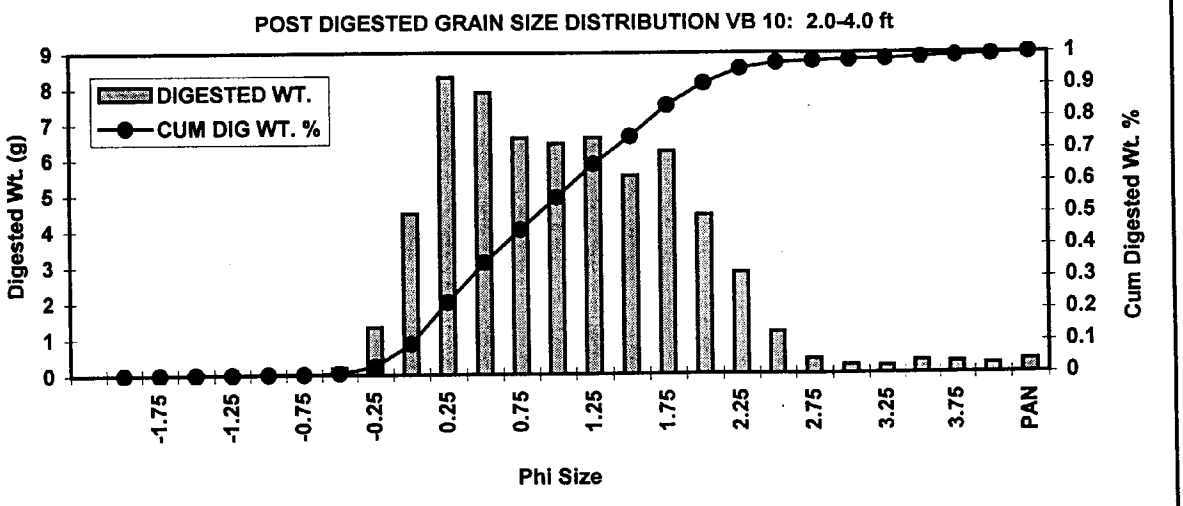


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 10 : 2.0 - 4.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.613	0.000	0.000	0.000000000	0.000000000
-1.75	0.365	0.000	0.000	0.000000000	0.000000000
-1.50	0.473	0.052	0.052	0.000808219	0.000808219
-1.25	0.906	0.021	0.073	0.000326396	0.001134615
-1.00	0.848	0.030	0.103	0.000466280	0.001600895
-0.75	1.024	0.009	0.112	0.000139884	0.001740779
-0.50	1.328	0.190	0.302	0.002953108	0.004693887
-0.25	2.786	1.328	1.630	0.020640669	0.025334556
0.00	6.053	4.500	6.130	0.069942026	0.095276582
0.25	12.495	8.311	14.441	0.129175150	0.224451732
0.50	14.274	7.882	22.323	0.122507344	0.346959076
0.75	15.171	6.608	28.931	0.102705979	0.449665055
1.00	15.450	6.449	35.380	0.100234694	0.549899750
1.25	14.759	6.619	41.999	0.102876949	0.652776698
1.50	10.956	5.553	47.552	0.086308460	0.739085158
1.75	11.949	6.238	53.790	0.096955190	0.836040349
2.00	8.231	4.461	58.251	0.069335862	0.905376210
2.25	5.558	2.846	61.097	0.044234446	0.949610656
2.50	2.794	1.149	62.246	0.017858531	0.967469187
2.75	1.125	0.399	62.645	0.006201526	0.973670713
3.00	0.555	0.222	62.867	0.003450473	0.977121186
3.25	0.452	0.195	63.062	0.003030821	0.980152007
3.50	0.517	0.340	63.402	0.005284509	0.985436516
3.75	0.450	0.315	63.717	0.004895942	0.990332458
4.00	0.329	0.249	63.966	0.003870125	0.994202583
PAN	0.431	0.373	64.339	0.005797417	1.0

TOTAL WT.	129.892	grams
DIGESTED WT.	64.339	grams
% SILICA	49.533	

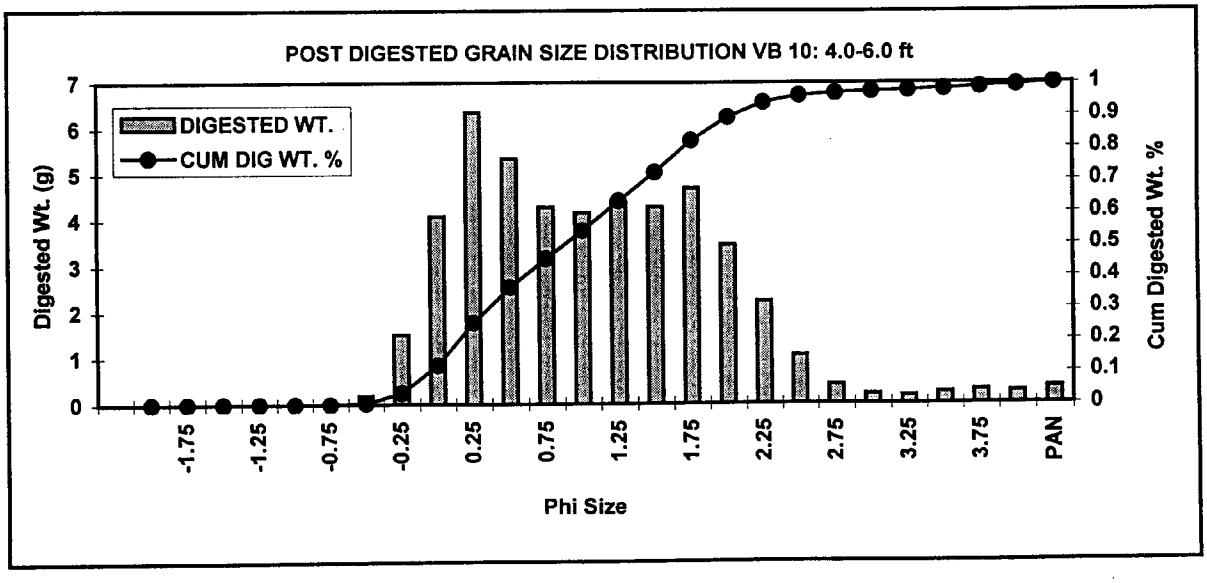


POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 10 : 4.0-6.0 ft

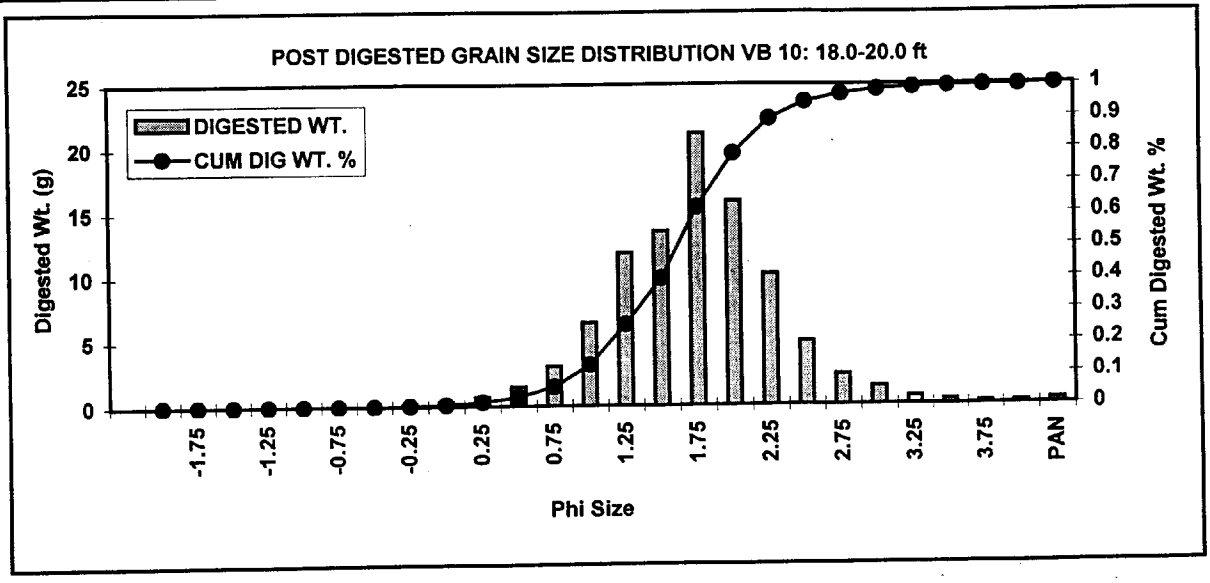
PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	7.646	0.000	0.000	0.000000000	0.000000000
-1.75	2.979	0.000	0.000	0.000000000	0.000000000
-1.50	2.853	0.000	0.000	0.000000000	0.000000000
-1.25	2.440	0.000	0.000	0.000000000	0.000000000
-1.00	2.489	0.000	0.000	0.000000000	0.000000000
-0.75	2.171	0.019	0.019	0.000394879	0.000394879
-0.50	2.165	0.197	0.216	0.004094272	0.004489151
-0.25	3.146	1.520	1.736	0.031590323	0.036079475
0.00	5.759	4.095	5.831	0.085106825	0.121186300
0.25	9.609	6.355	12.186	0.132076648	0.253262948
0.50	9.405	5.354	17.540	0.111272758	0.364535705
0.75	9.731	4.294	21.834	0.089242664	0.453778369
1.00	10.091	4.178	26.012	0.086831823	0.540610192
1.25	9.963	4.417	30.429	0.091798986	0.632409178
1.50	7.564	4.292	34.721	0.089201097	0.721610275
1.75	8.524	4.702	39.423	0.097722171	0.819332447
2.00	5.973	3.469	42.892	0.072096600	0.891429046
2.25	4.169	2.237	45.129	0.046491811	0.937920858
2.50	2.523	1.052	46.181	0.021863829	0.959784687
2.75	1.180	0.414	46.595	0.008604207	0.968388894
3.00	0.646	0.201	46.796	0.004177405	0.972566298
3.25	0.466	0.169	46.965	0.003512345	0.976078643
3.50	0.450	0.247	47.212	0.005133428	0.981212071
3.75	0.458	0.287	47.499	0.005964752	0.987176823
4.00	0.396	0.260	47.759	0.005403608	0.992580431
PAN	0.637	0.357	48.116	0.007419569	1.0

TOTAL WT.	113.433	grams
DIGESTED WT.	48.116	grams
% SILICA	42.418	



POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VB 10 : 18.0 - 20.0 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.530	0.000	0.000	0.000000000	0.000000000
-1.75	0.150	0.000	0.000	0.000000000	0.000000000
-1.50	0.472	0.000	0.000	0.000000000	0.000000000
-1.25	0.695	0.000	0.000	0.000000000	0.000000000
-1.00	0.536	0.000	0.000	0.000000000	0.000000000
-0.75	0.707	0.000	0.000	0.000000000	0.000000000
-0.50	1.097	0.016	0.016	0.000167933	0.000167933
-0.25	1.673	0.136	0.152	0.001427432	0.001595365
0.00	1.811	0.350	0.502	0.003673538	0.005268903
0.25	2.300	0.701	1.203	0.007357572	0.012626475
0.50	2.472	1.491	2.694	0.015649272	0.028275746
0.75	3.905	3.067	5.761	0.032190688	0.060466434
1.00	7.501	6.478	12.239	0.067991939	0.128458374
1.25	13.557	11.886	24.125	0.124753348	0.253211722
1.50	15.536	13.573	37.698	0.142459801	0.395671523
1.75	22.843	21.146	58.844	0.221944666	0.617616189
2.00	16.867	15.879	74.723	0.166663168	0.784279357
2.25	10.826	10.207	84.930	0.107130862	0.891410219
2.50	5.446	4.966	89.896	0.052122255	0.943532474
2.75	2.723	2.378	92.274	0.024959066	0.968491540
3.00	1.573	1.392	93.666	0.014610185	0.983101726
3.25	0.806	0.591	94.257	0.006203031	0.989304757
3.50	0.364	0.353	94.610	0.003705025	0.993009782
3.75	0.246	0.147	94.757	0.001542886	0.994552668
4.00	0.325	0.175	94.932	0.001836769	0.996389437
PAN	0.563	0.344	95.276	0.003610563	1.0

TOTAL WT.	115.524	grams
DIGESTED WT.	95.276	grams
% SILICA	82.473