

**A GEOLOGICAL INVESTIGATION OF THE OFFSHORE AREAS  
ALONG FLORIDA'S CENTRAL EAST COAST  
YEAR 4**

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

**Contract Period January 1, 1999 through May 30, 2000  
Cooperative Agreement No. 1435-0001-30757**

**Henry Freedenberg, P.G. #617 and Ron Hoenstine, P.G. #57  
Principal Investigators  
Adel Dabous, Brian Cross, Allen Willett, Michelle LaChance  
Cindy Fischler and Jennifer Stern**

**Florida Geological Survey  
Department of Environmental Protection  
Tallahassee, Florida**

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# **A Geological Investigation of the Offshore Area along Florida's Central East Coast**

## **Annual Report to the United States Department of Interior Minerals Management Service-Year 4**

### **Introduction**

The Minerals Management Service (MMS) of the U.S. Department of Interior (MMS) and the Florida Geological Survey (FGS) have entered into a multi-year cooperative agreement (Cooperative Agreement #14-35-0001-330757/State of Florida Organization Code 3705 0204 679) with the goal of characterizing the beach nourishment potential of sands found in Federal waters off the east coast of Florida. This includes Federal waters out to ten miles offshore of southern Brevard, Indian River, St. Lucie and Martin Counties. Figure 1 displays the area of investigation for this agreement.

Year 1 tasks included the compilation of an annotated bibliography describing previously completed work in the study area, along with the initiation of an onshore push-core program designed to establish a baseline characterization of beach sands in the study area. Results of tasks completed during Year 1 of this investigation are summarized in "A Geological Investigation of the Offshore Area Along Florida's Central east Coast, Annual Report to the MMS-Year 1"(Hoenstine et al., 1995) delivered to the MMS during October 1995. FGS Open File Report #69, "A Geological Investigation of the Offshore Area Along Florida's Central East Coast, Year 1" (Freedenberg et al., 1995a) also summarizes Year 1 results of this investigation. During October 1995, an interim report "A Geological Investigation of the Offshore Area Along Florida's East Coast, Interim Report to the U.S. Department of Interior, Minerals Management Service" (Freedenberg et al., 1995) described a bottom sediment grab sampling program which was conducted in Federal waters in the northern part of the study area.

Year 2 activities were summarized in "Annual Report to the U.S. Department of the Interior Minerals Management Service Year 2, A Geological Investigation of the Offshore Area along Florida's Central East Coast" (Freedenberg et al., 1997). Year 2 tasks included the collection, description and analysis of additional push cores in southern Brevard County. These data were reprocessed and interpreted. A grab sampling program was also initiated. Bottom sediment grab samples were collected and analyzed. Grab sample locations were chosen based on interpretation of the seismic data. Results of the grab sample analyses were used to pick sampling locations for a follow-on vibrocore program.

Year 3 activities were summarized in "Annual Report to the United States Department of Interior Minerals Management service, Year 3, A Geological Investigation of the Offshore Area Along Florida's Central East Coast, Part 1" (Freedenberg et al.,1999) and "Annual Report to the United States Department of Interior Minerals Management Service, Year 3, A Geological Investigation of the Offshore Area Along Florida's Central East Coast, Part 2" (Freedenberg et al., 1999). Part 1 served as an executive summary detailing tasks accomplished and summarizing analytical results. Part 2 of this document consisted of Appendices containing the supporting data collected during Year 3 of the

study. Tasks accomplished during year 3 included the collection of subsurface acoustic profile data, analysis of previously collected push cores, grab sampling and vibracore collection.

This paper should be viewed as a cooperative agreement progress report. It is not intended as a stand-alone document and should be read in conjunction with previously submitted reports.

## **Year 4 Scope of Work**

### **Grab Samples collected during Year 4**

Year 4 work commenced with the collection of 43 bottom grab samples off of Indian River, St. Lucie and Martin Counties. An additional site, designated as M-1, was visited but repeated attempts at sample collection were unsuccessful due to the presence of a live-ground bottom. Collection of these samples was obligated under the Year 3 work scope. Due to scheduling difficulties, data collection was accomplished at the outset of Year 4. Costs for the data collection were forwarded from the Year 3 cooperative agreement.

During Year 3, seismic data was interpreted to determine locations thought to be favorable for the deposition of beach quality sand. Grab samples were to be collected from these locations to determine the presence of surficial restoration quality sand. A total of 44 grab locations were identified based on the seismic data collected during Year 3. These samples were collected at the outset of the Year 4 field season and returned to the FGS laboratory for sample description and granulometric analysis. Granulometric analysis was performed in accordance with ASTM standard D-422 (ASTM, 1989). All sample descriptions and granulometric data were entered into the FGS database. Appendices A and B contain the sample descriptions and the results of the granulometric analyses.

Year 4 bottom grab sample locations, based on the subsurface acoustic profile data, are currently being chosen. These samples will be collected during the Year 5 field season and all previously collected samples will be evaluated to pick locations for the Year 5 vibracore program.

### **Subsurface Acoustic Profiling**

More than 160 line miles of subsurface acoustic profile data were acquired during Year 4 of this study. All data were acquired in Federal waters off of southern Brevard, Indian River, St. Lucie and Martin Counties. The seismic program consisted of 26 approximately seven-mile long east-west (dip) lines. All data collected during Year 4 represents infill shooting. Line locations were chosen to provide approximate half mile north-south separation between east-west lines. Shooting Geometry is discussed in the Year 2 and Year 3 Annual Reports (Freedenberg et al., 1997, 1999). Figure 2 displays the location of all subsurface acoustic profile data collected to date.

The length of the dip lines in southern Brevard, St. Lucie and northern Martin counties was determined by distance from the shore. In southern Martin County, distance to the 100' contour determined line length. During the acquisition programs conducted during earlier years of this cooperative agreement, it was believed that the economics of

dredging fill material from water depths of more than 100' were unattractive. On June 17, 1999 a meeting was held at the Jacksonville District Offices of the US Army Corps of Engineers. Mark Sickles, representing the Dredging Contractors of America industry association, and Dan Hussin, representing Great Lakes Dock and Dredge Company, were present at this meeting. Mr. Sickles, with Mr. Hussin's concurrence, informed meeting attendees that technological advances had made feasible dredging in water depths of up to 300'. Therefore the length of additional lines acquired off of southern Martin County was determined by the location of the 300' contour. At this meeting, it was also decided to concentrate Year 4 sand search efforts in Martin and southern St. Lucie counties in order to identify potential sand sources suitable for use as restoration material in Dade and Broward counties.

### **Year 4 Grab Sampling**

Delay in collecting the Year 3 grab samples, caused the grab sample collection scheduled for Year 4 to be rescheduled for the Year 5 field season. These grab samples will be used to determine year 5 vibracore locations.

### **Vibracore Collection and Analysis**

On November 1, 1999, Year 4 vibracore collection off of Martin and St. Lucie Counties was initiated using the "Atlantic Twin", a dedicated 90 foot catamaran survey vessel. Sea conditions were unfavorable on November 2 and the core collection program was completed on November 3. Fifteen 20-foot long vibracores were collected at locations based upon the Year 3 seismic and grab sampling programs. Vibracore VM-1 recovered 4 feet of restoration quality sand before meeting refusal in an indurated layer of Anastasia Formation Sabellerid rock. The coring location was moved approximately 1500ft southwestward and a 20' vibracore (VM-1A) was acquired. Similarly VSL-9a met refusal at 9.5 feet. VSL-9b then was advanced to a depth of 15 feet at a location approximately 1500 feet east of the original location. Neither of the VSL-9 cores contained beach quality restoration sand. Table 1 provides a tabulation of the locations of all Vibracores collected during this cooperative agreement. Core locations are also shown on Figure 3, which accompanies this report.

Granulometric analysis of the 15 vibracores collected shows that at least 11 of the cores contain sand suitable for use as beach restoration material. Surficial restoration quality sand thickness in the vibracores ranges from 6 feet to more than 20 feet. The vibracores displaying significant surficial restoration quality beach sand include VM-1, VM-1a, VM-2 and VM-4 in Martin County along with vibracores VSL-1, VSL-2, VSL-4, VSL-5, VSL-6, VSL-7, VSL-8, VSL-10 and VSL-11 in St. Lucie County. Appendices C and D contain the lithologic descriptions and results of the granulometric analyses performed on each vibracore.

It should be emphasized that lateral extent can't be firmly assigned to any of the sands sampled during this sampling program. In order to properly evaluate the suitability of these sands for beach restoration, additional coring should be undertaken to delineate the lateral extent of the individual sand bodies. Once extent is determined, the economic viability of each individual sand body can be evaluated and environmental assessments can be carried out on those accumulations thought to show economic promise.

It is interesting to note that the thickness of available restoration quality sand is determined by the percent fines content. In all of the cores collected the percent fines gradually increased downward. Restoration sand thickness was determined by the depth at which the fines content exceeded 5% as specified in section 5J of FAC 62B-41.007. Recent discussion with Division of Beaches and Coastal Systems personnel reveals that the 5% limit should be regarded as rough guidance for what is desired. The 5% fines content is not binding and sediments containing up to a 10% fines fraction are routinely accepted for use in beach restoration. Historically, we have only vibracored locations associated with grab samples containing less than 5% fines. Grain size distributions for all grab samples collected as a part of this cooperative agreement will be reexamined with the aim of adjusting prospective sand reserves to include vibracores containing a fines content between 5% and 10%. All grain size distribution analyses were done in accordance with the procedures recommended in ASTM D-422, which establishes the standard method for determining soils particle size. D-422 specifies that the sample be air-dried and passed through a #10 (2mm or  $-1.0\Phi$ ) sieve. Sodium hexametaphosphate is to be used to disperse clay particles in that portion of the sample passing the #10 sieve. The density of this solution is to be measured and the sample is wet sieved through a #200 (.075 mm or approximately  $3.75\Phi$ ). The sample is then oven dried and dry sieved. The portion of the sample initially retained on the #10 sieve is also dry sieved separately (Roberts, 1996, ASTM, 1989).

In the FGS samples, the amount of clay particles present in the push core, grab and vibracore samples collected was not judged to be significant. Flocculated clay particles were not observed on any of the sieve screens. As detailed in the Year 2 Annual Report, we initially weighed each sample after oven drying. The sample was then wet sieved, oven dried reweighed with the weight loss being assigned to the fine fraction. The sample was then dry sieved again with the portion of the pan fraction obtained during dry sieving also assigned to the fine fraction. There is no significant clay material present in the sample. Any significant clay presence would show up as a weight loss during wet sieving and would, *ipso facto*, render the sediment unsuitable for beach nourishment work. Given the consistent lack of clay material, no attempt at clay dispersal using sodium hexametaphosphate was made.

The cumulative grain size distribution curves reflect the total grain size distribution (GSD) of the sample. The weight of the fine fraction (weight loss from wet sieve and weight of pan fraction combined) is assigned to the finer than  $3.75\Phi$  fraction.

The grain size distribution curves presented in Appendices B and D are in standard geological format. The ASTM recommends a display format showing the largest sieve sizes on the left of the horizontal axis and the highest cumulative weight percent in the top left corner of the display. The geological presentation is a mirror image of the ASTM format with the highest cumulative weight percent on the top right portion of the display.

Using procedures described in the Year 2 annual report, separate GSD's were determined for the carbonate and non-carbonate fractions of each sample along with the combined GSD of the entire sample. Carbonate digestion has been completed on all vibracores collected in Martin and Saint Lucie Counties.

Figure 4 shows vibracore location, thickness of surficial sand and projected reserve potential for the surficial sands found in each of the vibracores. As with earlier

estimates, reserve potential is highly speculative and is based on the assumption that sand distribution is both continuous and homogenous.

### **Archival photographs of Vibracores**

All vibracores were collected in 4 in clear plastic sleeves. The sleeves were divided in half for description and grain size analysis. Digital photographs were taken of all cores with the images being saved in jpeg format. These files are included in Appendix E (on CD) accompanying this report.

### **Additional Evidence Examined in Support of Vibracore Locations.**

The results of the Year 3 vibracore program seemed to show significant correlation between ocean bottom topography and sand accumulation. The current NOAA navigation charts show bottom soundings and bottom sediment characterizations at representative locations throughout the chart area. The bottom sounding data on the chart is parsed. Original data sets containing all bottom soundings in the region are available from NOAA. A CD containing the complete dataset was purchased and a contour map of the study area was generated using all available data. Unfortunately, this map proved to be limited use off of Martin and St. Lucie Counties as most of the dense data coverage began seaward of the study area.

NOAA bottom sediment characterizations, as posted on the navigation charts, were also examined in an attempt to further qualify prospective vibracore locations. These bottom characterizations are displayed on Figures 2, 3 and 4. The bottom characterizations proved to be a useful tool in choosing potential vibracore locations.

### **Seismic Character as an Indicator of Sand Resource Potential**

The Year 3 (Freedenberg et al., 1999) report contained a section entitled "Seismic Character as an Indicator of Sand Resource Potential". That section discussed the relationship between the character of the seismic record and sand accumulation. This section amplifies last years discussion after accounting for the vibracores collected during Year 4 fieldwork.

In analyzing the results of the Year 3 vibracoring program, it was noticed that the highest quality sand accumulations were associated with subsurface topographic highs. In choosing prospective Year 4 vibracore locations it was therefore decided to assign disproportionate weighting to locations in close proximity to topographic highs. The subsurface acoustic profile data was the predominant tool used to delineate the subsurface topographic highs. This strategy appears to be successful. Of the 15 vibracores collected during Year 4 field work, 11 vibracores were found to contain beach quality restoration sand.

### **Preliminary Estimation of Sand Reserves**

Sand reserves identified in this report are classified in accordance with the scheme promulgated in the Year 3 Annual Report (Freedenberg et al., 1999).



Four previously unrecognized accumulations of potential beach quality sand have been identified. This discussion is limited to probable sand reserves as defined in the Year 3 report.

Vibracores VSL-4,5,6,7,8 and 10 all showed significant accumulations of restoration quality beach sand. Based on subsurface acoustic profile data, it is hypothesized that all of these cores may test the same sand body. Assigning an average thickness of 10 feet, this accumulation may hold as much as 247.8 million cubic yards (MCY) of total beach quality reserves.

VSL-1 and VSI-2 may delineate a second potential beach quality sand accumulation. An average thickness of 6 feet is assigned to this body and the potential sand reserves may reach as much as 123.9 MCY.

Other accumulations may be associated with VM-4 (as much as 82.6 MCY) and VM-1a and VM-2 (possibly 46.4 MCY).

It should be emphasized that additional vibracoring is necessary to confirm the vertical thickness and lateral extent of each of these sand accumulations. The numbers presented in this report are preliminary and are based on a series of widely spaced vibracores. Confirmatory cores should be collected.

## **Summary and Conclusions**

- Forty four grab sample locations were visited. Grab samples were actually collected from 43 of these locations. The remaining location was a live ground. Descriptions were made and grain size distributions were determined for all grab samples. Grab sample locations were chosen based upon interpretation of Year 3 seismic data.
- More than 160 miles of subsurface acoustic profile data was collected. This data was infill data. It was processed and interpreted to further define areas of potential sand accumulation in the study area.
- Fifteen vibracores were collected with locations based on grab sample analysis. All vibracores were described and samples collected from each vibracore were analyzed for grain size distribution.
- Of the fifteen vibracores collected, eleven were found to contain beach quality sand. Four previously unrecognized potential accumulations of beach quality sand have been recognized containing reserves of 247.8, 123.9, 82.6 and 46.4 MCY respectively. All of these accumulations are located in federal waters off of St. Lucie and Martin Counties.

## **Acknowledgements**

The authors are indebted to the St. Petersburg office of the United States Geological Survey for assistance in the acquisition and processing of subsurface acoustic profile data. Jack Kindiger and Dana Wiese provided generous assistance. Dean Rogers of the Florida DEP Bureau of Information Systems provided valuable assistance in assembling the GIS displays. Thanks are extended to the staff of the FGS for their assistance, review and suggestions during preparation of this report.

## **Bibliography**

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## **APPENDIX A**

LITHOLOGIC LOG PRINTOUT

SOURCE - FGS

NUMBER: W-2GM

COUNTY - MARTIN

SAMPLES - GRAB SAMPLE

LAT = 26D 59M 53S

LON = 80D 01M 27S

WORKED BY:MICHELLE

SAND; MODERATE BLUISH GRAY TO DARK GREENISH GRAY  
GRAIN SIZE: MEDIUM; RANGE: MEDIUM TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; LOW SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-45%, CALCARENITE-40%  
SHELL-10%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MOLLUSKS

NUMBER: W-3GM

COUNTY - MARTIN

SAMPLES - GRAB SAMPLE

LAT = 27D 00M 81S

LON = 80D 01M 00S

WORKED BY:MICHELLE

SAND; MODERATE BLUISH GRAY TO DARK GREENISH GRAY  
GRAIN SIZE: COARSE; RANGE: MEDIUM TO VERY COARSE  
ROUNDNESS: ANGULAR TO ROUNDED; LOW SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-40%, CALCARENITE-40%  
SHELL-15%, ANHYDRITE-02%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MOLLUSKS  
BRYOZOA, CORAL

NUMBER: W-4GM

COUNTY - MARTIN

SAMPLES - GRAB SAMPLE

LAT = 27D 01M 81S

LON = 80D 01M 85S

WORKED BY:MICHELLE

SAND; MODERATE BLUISH GRAY TO DARK GREENISH GRAY  
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; LOW SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-60%, CALCARENITE-30%  
SHELL-05%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MOLLUSKS

NUMBER: W-5GM

COUNTY - MARTIN

SAMPLES - GRAB SAMPLE

LAT = 27D 01M 86S

LON = 80D 01M 07S

WORKED BY:MICHELLE

SAND; MODERATE BLUISH GRAY TO DARK GREENISH GRAY



SAMPLES - GRAB SAMPLE           LAT = 27D 05M 83S  
  LON = 80D 02M 48S

WORKED BY:MICHELLE

SAND; LIGHT OLIVE GRAY TO GREENISH GRAY  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
ROUNDNESS: ANGULAR TO SUB-ANGULAR; LOW SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-80%, CALCARENITE-15%  
HEAVY MINERALS-01%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA

NUMBER: W-10GM                    COUNTY - MARTIN  
SAMPLES - GRAB SAMPLE           LAT = 27D 06M 78S  
  LON = 80D 03M 73S

WORKED BY:MICHELLE

SAND; LIGHT OLIVE GRAY TO GREENISH GRAY  
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM  
ROUNDNESS: ANGULAR TO SUB-ANGULAR; LOW SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-85%, CALCARENITE-10%  
HEAVY MINERALS-01%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA

NUMBER: W-11GM                    COUNTY - MARTIN  
SAMPLES - GRAB SAMPLE           LAT = 27D 06M 93S  
  LON = 80D 02M 52S

WORKED BY:MICHELLE

SAND; LIGHT OLIVE GRAY TO GREENISH GRAY  
GRAIN SIZE: FINE; RANGE: VERY FINE TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ANGULAR; LOW SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-75%, CALCARENITE-20%  
HEAVY MINERALS-01%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA

NUMBER: W-12GM                    COUNTY - MARTIN  
SAMPLES - GRAB SMAPLE           LAT = 27D 07M 83S  
  LON = 80D 02M 59S

WORKED BY:MICHELLE

SAND; LIGHT OLIVE GRAY TO GREENISH GRAY  
GRAIN SIZE: FINE; RANGE: VERY FINE TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ANGULAR; LOW SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-65%, CALCARENITE-30%  
HEAVY MINERALS-01%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA







ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-75%, CALCARENITE-20%  
PYRITE-02%, HEAVY MINERALS-01%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, ECHINOID

**CORE:**

Grab Samples

**DATE ANALYZED:**

10/11/99

**ANALYZED BY:**

ADEL DABOUS

<b>SAMPLE NUMBER</b>	<b>SAMPLE WT (g)</b>	<b>SAMPLE WT POST WET SIEVE (g)</b>	<b>FINES WT POST ANALYSIS (g)</b>	<b>TOTAL FINES WT. (g)</b>	<b>% FINES</b>
GB-M2	227.082	224.309	0.046	2.819	1.2414
GB-M3	257.453	255.046	0.058	2.465	0.9575
BG-M4	251.934	248.906	0.085	3.113	1.2356
GB-M5	198.529	195.957	0.265	2.837	1.4290
GB-M6	243.948	241.237	0.089	2.800	1.1478
GB-M7	56.455	54.515	0.477	2.417	4.2813
GB-M8	109.682	105.569	3.375	7.488	6.8270
GB-M9	84.619	82.592	1.59	3.617	4.2745
GB-M10	158.984	154.086	0.74	5.638	3.5463
GB-M11	120.793	118.637	2.953	5.109	4.2295
GB-M12	102.934	100.502	2.909	5.341	5.1888
GB-M13	54.217	53.164	0.812	1.865	3.4399
GB-M14	59.662	58.480	1.485	2.667	4.4702
GB-M15	86.764	84.911	2.965	4.818	5.5530
GB-M16	92.408	90.448	2.195	4.155	4.4964
GB-M17	139.976	138.995	0.294	1.275	0.9109
GB-M18	141.636	140.627	0.13	1.139	0.8042
GB-M19	27.429	26.329	0.964	2.064	7.5249
GB-M20	127.076	124.508	0.859	3.427	2.6968
GB-10A	158.984	154.086	0.788	5.686	3.5765
GB-20A	127.076	124.508	0.899	3.467	2.7283

LITHOLOGIC LOG PRINTOUT

SOURCE - FGS

NUMBER: W-1GSL  
SAMPLES - GRAB SAMPLE

COUNTY - ST. LUCIE  
LAT = 27D 12M 80S  
LON = 80D 04M 80S

WORKED BY:MICHELLE

SAND; MODERATE BLUISH GRAY TO DARK GREENISH GRAY  
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-40%, CALCARENITE-55%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MOLLUSKS

NUMBER: W-2GSL  
SAMPLES - GRAB SAMPLE

COUNTY - ST. LUCIE  
LAT = 27D 14M 83S  
LON = 80D 06M 63S

WORKED BY:MICHELLE

SAND; GRAYISH ORANGE TO GRAYISH BROWN  
GRAIN SIZE: FINE; RANGE: VERY FINE TO COARSE  
ROUNDNESS: ANGULAR TO ROUNDED; MEDIUM SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-60%, CALCARENITE-35%  
PYRITE-02%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA

NUMBER: W-3GSL  
SAMPLES - GRAB SAMPLE

COUNTY - ST. LUCIE  
LAT = 27D 14M 73S  
LON = 80D 05M 24S

WORKED BY:MICHELLE

SAND; GRAYISH ORANGE TO DARK GREENISH GRAY  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-30%, CALCARENITE-35%  
SHELL-30%, PYRITE-02%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, CORAL  
MOLLUSKS

NUMBER: W-4GSL  
SAMPLES - GRAB SAMPLE

COUNTY - ST. LUCIE  
LAT = 27D 16M 51S  
LON = 80D 05M 97S

WORKED BY:MICHELLE

SAND; GRAYISH ORANGE TO MODERATE BLUISH GRAY  
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; LOW SPHERICITY



LON = 80D 05M 40S

WORKED BY: MICHELLE

SAND; GRAYISH ORANGE TO MODERATE BLUIISH GRAY  
GRAIN SIZE: MEDIUM; RANGE: VERY FINE TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-30%, CALCARENITE-40%  
SHELL-20%, ANHYDRITE-03%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MOLLUSKS  
ECHINOID

NUMBER: W-9GSL                      COUNTY - ST. LUCIE  
SAMPLES - GRAB SAMPLE            LAT = 27D 20M 76S  
LON = 80D 09M 51S

WORKED BY:MICHELLE

SAND; GRAYISH ORANGE TO MODERATE BLUIISH GRAY  
GRAIN SIZE: COARSE; RANGE: FINE TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; LOW SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-25%, CALCARENITE-40%  
SHELL-30%  
FOSSILS: FOSSIL FRAGMENTS, BENTHIC FORAMINIFERA, MOLLUSKS  
BRYOZOA

NUMBER: W-10GSL                    COUNTY - ST. LUCIE  
SAMPLES - GRAB SAMPLE            LAT = 27D 22M 84S  
LON = 80D 11M 36S

WORKED BY:MICHELLE

SAND; MODERATE BLUIISH GRAY TO DARK GREENISH GRAY  
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; LOW SPHERICITY  
SEDIMENTARY STRUCTURES: STREAKED  
ACCESSORY MINERALS: QUARTZ SAND-45%, CALCARENITE-35%  
SHELL-10 %  
OTHER FEATURES: VARVED  
FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS

NUMBER: W-11GSL                    COUNTY - ST. LUCIE  
SAMPLES - GRAB SAMPLE            LAT = 27D 22M 85S  
LON = 80D 09M 75S

WORKED BY:MICHELLE

SAND; GRAYISH ORANGE TO DARK GREENISH GRAY  
GRAIN SIZE: MEDIUM; RANGE: MEDIUM TO COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY



**CORE:**  
**DATE ANALYZED:**  
**ANALYZED BY:**

Grab Samples  
10/11/99  
ADEL DABOUS

<b>SAMPLE NUMBER</b>	<b>SAMPLE WT (g)</b>	<b>SAMPLE WT POST WET SIEVE (g)</b>	<b>FINES WT POST ANALYSIS (g)</b>	<b>TOTAL FINES WT. (g)</b>	<b>% FINES</b>
GB-SL1	164.437	162.951	0.115	1.601	0.9736
GB-SL2	62.372	60.527	4.717	6.562	10.5207
GB-SL3	153.735	152.678	0.188	1.245	0.8098
GB-SL4	164.598	162.818	0.264	2.044	1.2418
GB-SL5	139.679	138.647	0.094	1.126	0.8061
GB-SL6	148.304	146.906	0.108	1.506	1.0155
GB-SL7	162.143	159.876	0.056	2.323	1.4327
GB-SL8	172.668	170.996	0.377	2.049	1.1867
GB-SL9	160.323	159.170	0.064	1.217	0.7591
GB-SL10	156.856	156.005	0.067	0.918	0.5853
GB-SL11	174.632	173.613	0.035	1.054	0.6036
GB-SL12	114.730	113.722	0.083	1.091	0.9509
GB-SL13	108.878	107.864	0.063	1.077	0.9892
GB-SL14	140.946	139.250	0.200	1.896	1.3452
GB-SL11A	174.632	173.613	0.031	1.050	0.6013

LITHOLOGIC LOG PRINTOUT

SOURCE - FGS

NUMBER: W-1GIR COUNTY - INDIAN RIVER  
SAMPLES - GRAB SAMPLE LAT = 27D 29M 29S  
LON = 80D 11M 08S

WORKED BY:MICHELLE

SHELL BED; GRAYISH ORANGE TO MODERATE BLUIISH GRAY  
ACCESSORY MINERALS: QUARTZ SAND-01%, MICA-01%  
ANHYDRITE-02%, SHELL-95%  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS

NUMBER: W-2GIR COUNTY - INDIAN RIVER  
SAMPLES - GRAB SAMPLE LAT = 27D 32M 24S  
LON = 80D 12M 46S

WORKED BY:MICHELLE

SAND; GRAYISH ORANGE TO MODERATE BLUIISH GRAY  
GRAIN SIZE: COARSE; RANGE: MEDIUM TO COARSE  
ROUNDNESS: SUB-ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-30%, CALCARENITE-45%  
SHELL-20%, ANHYDRITE-02%  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA

NUMBER: W-3GIR COUNTY - INDIAN RIVER  
SAMPLES - GRAB SAMPLE LAT = 27D 33M 20S  
LON = 80D 12M 99S

WORKED BY:MICHELLE

SAND; GRAYISH ORANGE TO MODERATE BLUIISH GRAY  
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE  
ROUNDNESS: ANGULAR TO SUB-ROUNDED; MEDIUM SPHERICITY  
ACCESSORY MINERALS: QUARTZ SAND-40%, CALCARENITE-45%  
SHELL-10%  
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS, BRYOZOA

NUMBER: W-4GIR COUNTY - INDIAN RIVER  
SAMPLES - GRAB SAMPLE LAT = 27D 35M 27S  
LON = 80D 12M 79S

WORKED BY:MICHELLE

SAND; GRAYISH ORANGE TO MODERATE BLUIISH GRAY













**CORE:**  
**DATE ANALYZED:**  
**ANALYZED BY:**

Grab Samples  
10/11/99  
ADEL DABOUS

<b>SAMPLE NUMBER</b>	<b>SAMPLE WT (g)</b>	<b>SAMPLE WT POST WET SIEVE (g)</b>	<b>FINES WT POST ANALYSIS (g)</b>	<b>TOTAL FINES WT. (g)</b>	<b>% FINES</b>
GB-IR1	81.063	80.035	0.088	1.116	1.3767
GB-IR2	263.982	263.917	0.027	0.092	0.0349
GB-IR3	33.285	31.623	0.043	1.705	5.1224
GB-IR4	82.725	81.462	0.039	1.302	1.5739
GB-IR5	174.114	172.422	0.061	1.753	1.0068
GB-IR6	232.955	231.497	0.05	1.508	0.6473
GB-IR7	207.900	205.622	0.096	2.374	1.1419
GB-IR8	214.327	205.188	3.807	12.946	6.0403
GB-IR9	223.379	221.116	0.035	2.298	1.0287
GB-IR10	205.070	203.007	0.136	2.199	1.0723
GB-IR9A	223.379	221.116	0.038	2.301	1.0301

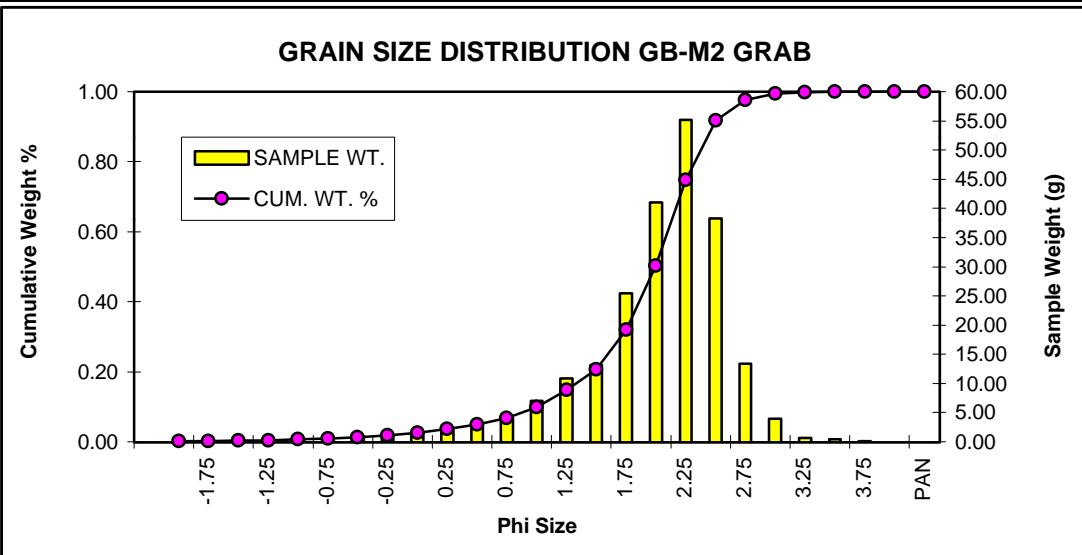
## **APPENDIX B**

# GRAIN SIZE DISTRIBUTION CHART

## GB-M2 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.344	0.344	0.001528705	0.001528705
-1.75	0.136	0.480	0.000604372	0.002133077
-1.50	0.239	0.719	0.001062095	0.003195172
-1.25	0.274	0.993	0.001217632	0.004412804
-1.00	0.449	1.442	0.001995316	0.006408120
-0.75	0.643	2.085	0.002857435	0.009265555
-0.50	0.945	3.030	0.004199496	0.013465051
-0.25	1.245	4.275	0.005532669	0.018997720
0.00	1.521	5.796	0.006759189	0.025756909
0.25	2.402	8.198	0.010674275	0.036431184
0.50	2.965	11.163	0.013176197	0.049607380
0.75	4.187	15.350	0.018606656	0.068214037
1.00	7.056	22.406	0.031356237	0.099570274
1.25	10.879	33.285	0.048345310	0.147915583
1.50	13.158	46.443	0.058472983	0.206388567
1.75	25.500	71.943	0.113319735	0.319708302
2.00	41.008	112.951	0.182235909	0.501944211
2.25	55.205	168.156	0.245326116	0.747270328
2.50	38.279	206.435	0.170108476	0.917378803
2.75	13.329	219.764	0.059232892	0.976611695
3.00	3.955	223.719	0.017575669	0.994187364
3.25	0.700	224.419	0.003110738	0.997298102
3.50	0.421	224.840	0.001870887	0.999168989
3.75	0.091	224.931	0.000404396	0.999573385
4.00	0.050	224.981	0.000222196	0.999795580
PAN	0.046	225.027	0.000204420	1.0

**TOTAL WT.** 225.027 grams  
**MEDIAN WT.** 112.514 grams  
**MEAN GRAIN SIZE** 2 phi 0.2500 mm



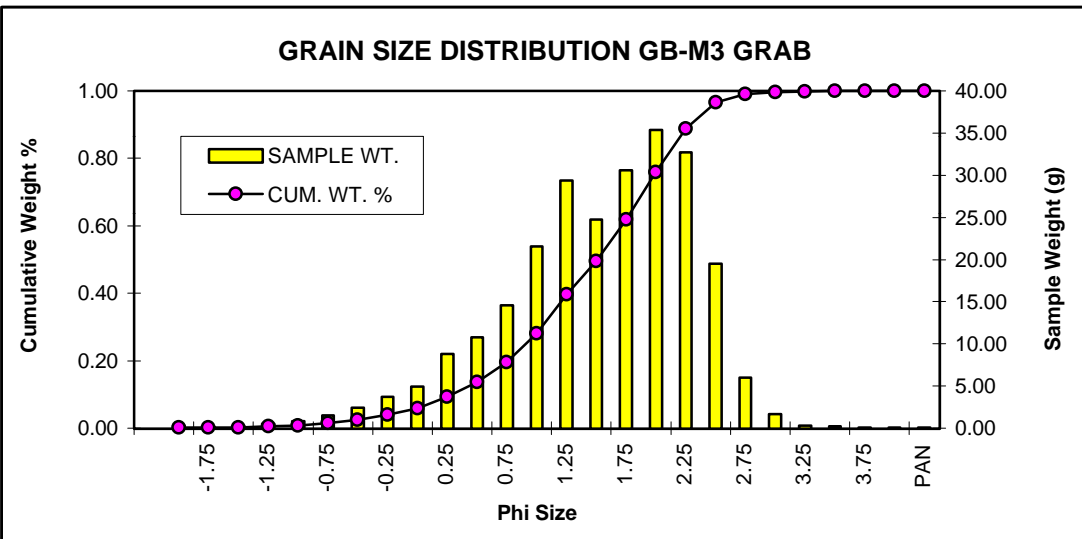


# GRAIN SIZE DISTRIBUTION CHART

## GB-M3 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.273	0.273	0.001086831	0.001086831
-1.75	0.149	0.422	0.000593179	0.001680010
-1.50	0.292	0.714	0.001162471	0.002842481
-1.25	0.509	1.223	0.002026363	0.004868844
-1.00	0.858	2.081	0.003415755	0.008284598
-0.75	1.525	3.606	0.006071126	0.014355724
-0.50	2.455	6.061	0.009773517	0.024129241
-0.25	3.716	9.777	0.014793641	0.038922883
0.00	4.915	14.692	0.019566940	0.058489822
0.25	8.828	23.520	0.035144851	0.093634673
0.50	10.779	34.299	0.042911911	0.136546584
0.75	14.585	48.884	0.058063848	0.194610433
1.00	21.572	70.456	0.085879557	0.280489990
1.25	29.375	99.831	0.116943815	0.397433805
1.50	24.744	124.575	0.098507498	0.495941303
1.75	30.574	155.149	0.121717113	0.617658417
2.00	35.333	190.482	0.140663007	0.758321423
2.25	32.708	223.190	0.130212708	0.888534132
2.50	19.523	242.713	0.077722352	0.966256484
2.75	6.013	248.726	0.023938150	0.990194634
3.00	1.695	250.421	0.006747907	0.996942541
3.25	0.328	250.749	0.001305790	0.998248331
3.50	0.245	250.994	0.000975361	0.999223692
3.75	0.095	251.089	0.000378201	0.999601893
4.00	0.042	251.131	0.000167205	0.999769098
PAN	0.058	251.189	0.000230902	1.0

<b>TOTAL WT.</b>	251.189	grams	
<b>MEDIAN WT.</b>	125.595	grams	
<b>MEAN GRAIN SIZE</b>	1.51	phi	0.3511 mm

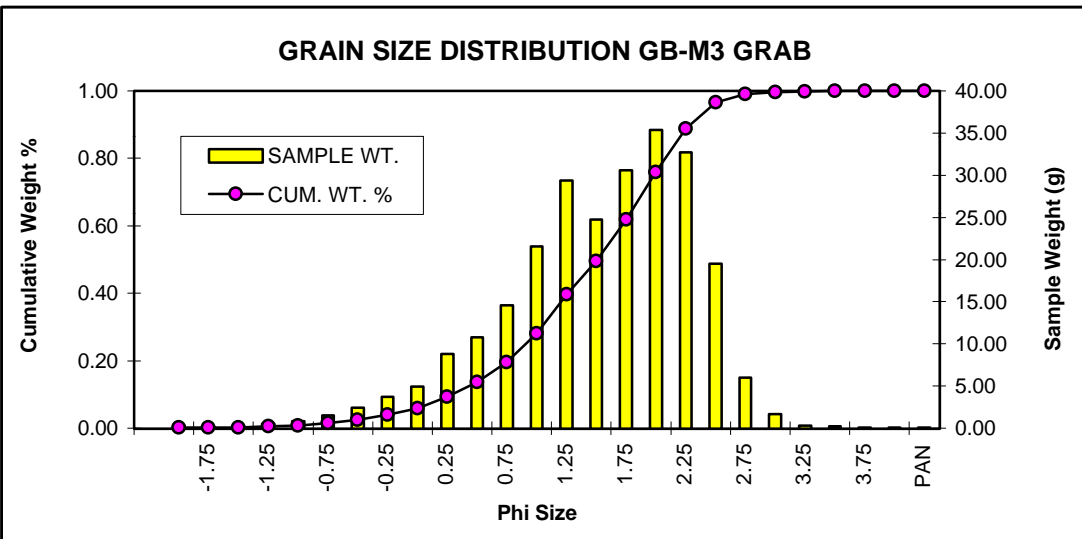


# GRAIN SIZE DISTRIBUTION CHART

## GB-M3 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.273	0.273	0.001086831	0.001086831
-1.75	0.149	0.422	0.000593179	0.001680010
-1.50	0.292	0.714	0.001162471	0.002842481
-1.25	0.509	1.223	0.002026363	0.004868844
-1.00	0.858	2.081	0.003415755	0.008284598
-0.75	1.525	3.606	0.006071126	0.014355724
-0.50	2.455	6.061	0.009773517	0.024129241
-0.25	3.716	9.777	0.014793641	0.038922883
0.00	4.915	14.692	0.019566940	0.058489822
0.25	8.828	23.520	0.035144851	0.093634673
0.50	10.779	34.299	0.042911911	0.136546584
0.75	14.585	48.884	0.058063848	0.194610433
1.00	21.572	70.456	0.085879557	0.280489990
1.25	29.375	99.831	0.116943815	0.397433805
1.50	24.744	124.575	0.098507498	0.495941303
1.75	30.574	155.149	0.121717113	0.617658417
2.00	35.333	190.482	0.140663007	0.758321423
2.25	32.708	223.190	0.130212708	0.888534132
2.50	19.523	242.713	0.077722352	0.966256484
2.75	6.013	248.726	0.023938150	0.990194634
3.00	1.695	250.421	0.006747907	0.996942541
3.25	0.328	250.749	0.001305790	0.998248331
3.50	0.245	250.994	0.000975361	0.999223692
3.75	0.095	251.089	0.000378201	0.999601893
4.00	0.042	251.131	0.000167205	0.999769098
PAN	0.058	251.189	0.000230902	1.0

<b>TOTAL WT.</b>	251.189	grams	
<b>MEDIAN WT.</b>	125.595	grams	
<b>MEAN GRAIN SIZE</b>	1.51	phi	0.3511 mm

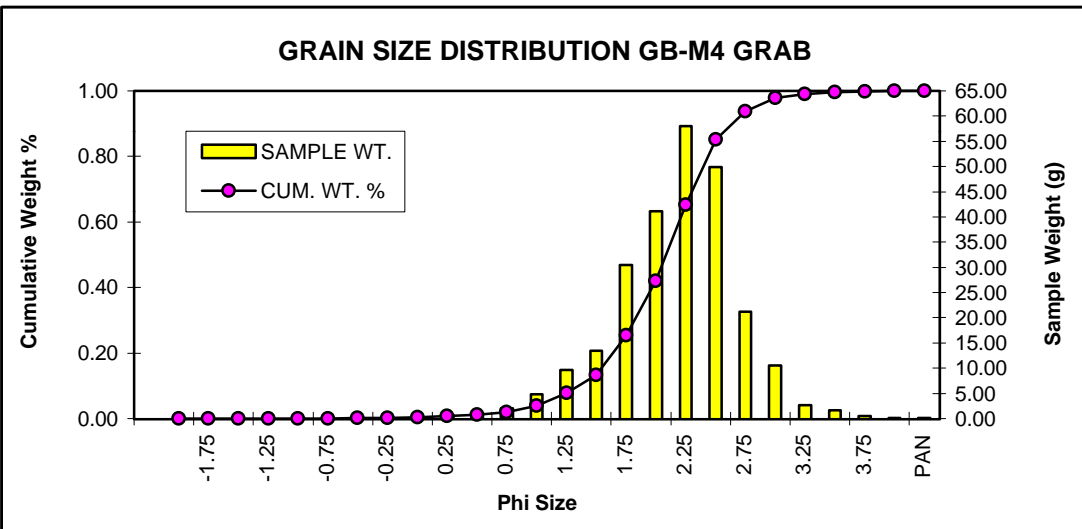


# GRAIN SIZE DISTRIBUTION CHART

## GB-M4 GRAB

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	0.032	0.032	0.000128242	0.000128242
-1.25	0.017	0.049	0.000068128	0.000196370
-1.00	0.076	0.125	0.000304574	0.000500944
-0.75	0.114	0.239	0.000456861	0.000957805
-0.50	0.162	0.401	0.000649223	0.001607028
-0.25	0.296	0.697	0.001186235	0.002793263
0.00	0.401	1.098	0.001607028	0.004400290
0.25	0.718	1.816	0.002877421	0.007277711
0.50	1.169	2.985	0.004684826	0.011962537
0.75	2.067	5.052	0.008283606	0.020246144
1.00	4.787	9.839	0.019184143	0.039430287
1.25	9.604	19.443	0.038488512	0.077918799
1.50	13.516	32.959	0.054166049	0.132084848
1.75	30.487	63.446	0.122178184	0.254263032
2.00	41.161	104.607	0.164954775	0.419217806
2.25	58.027	162.634	0.232546117	0.651763923
2.50	49.944	212.578	0.200153088	0.851917012
2.75	21.185	233.763	0.084899952	0.936816963
3.00	10.561	244.324	0.042323738	0.979140701
3.25	2.725	247.049	0.010920574	0.990061275
3.50	1.694	248.743	0.006788790	0.996850066
3.75	0.541	249.284	0.002168085	0.999018150
4.00	0.160	249.444	0.000641208	0.999659358
PAN	0.085	249.529	0.000340642	1.0

**TOTAL WT.** 249.529 grams  
**MEDIAN WT.** 124.765 grams  
**MEAN GRAIN SIZE** 2.09 phi 0.2349 mm

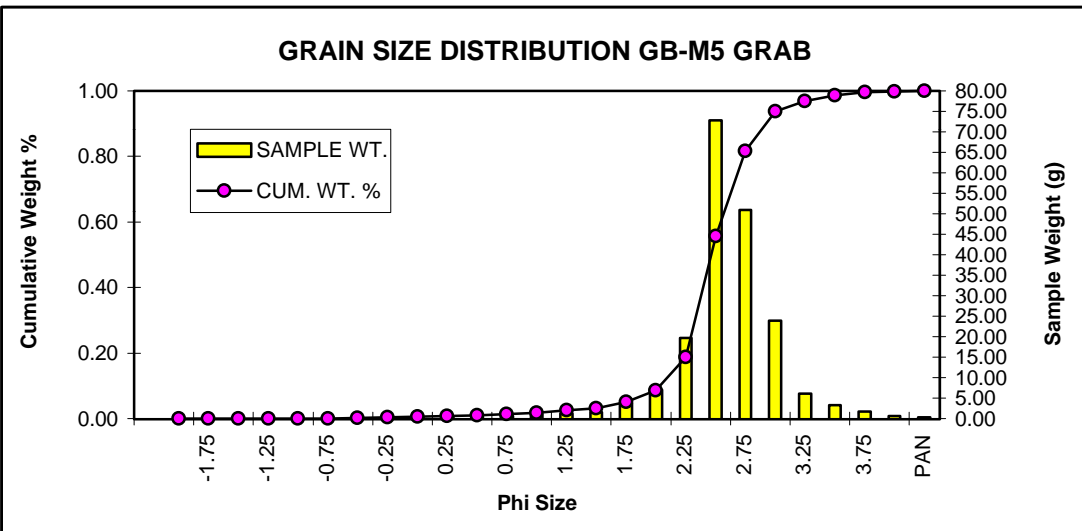


# GRAIN SIZE DISTRIBUTION CHART

## GB-M5 GRAB

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	0.000162787	0.000162787
-1.00	0.047	0.079	0.000239093	0.000401880
-0.75	0.099	0.178	0.000503622	0.000905502
-0.50	0.234	0.412	0.001190379	0.002095881
-0.25	0.307	0.719	0.001561737	0.003657618
0.00	0.348	1.067	0.001770308	0.005427926
0.25	0.492	1.559	0.002502849	0.007930775
0.50	0.515	2.074	0.002619852	0.010550627
0.75	0.623	2.697	0.003169258	0.013719884
1.00	0.883	3.580	0.004491901	0.018211786
1.25	1.240	4.820	0.006307993	0.024519779
1.50	1.494	6.314	0.007600114	0.032119893
1.75	3.714	10.028	0.018893456	0.051013349
2.00	7.005	17.033	0.035635072	0.086648421
2.25	19.718	36.751	0.100307260	0.186955681
2.50	72.858	109.609	0.370635276	0.557590957
2.75	50.887	160.496	0.258866800	0.816457757
3.00	23.970	184.466	0.121937571	0.938395328
3.25	6.141	190.607	0.031239826	0.969635154
3.50	3.333	193.940	0.016955274	0.986590428
3.75	1.744	195.684	0.008871887	0.995462315
4.00	0.627	196.311	0.003189606	0.998651921
PAN	0.265	196.576	0.001348079	1.0

<b>TOTAL WT.</b>	196.576	grams	
<b>MEDIAN WT.</b>	98.288	grams	
<b>MEAN GRAIN SIZE</b>	2.46	phi	0.1817 mm

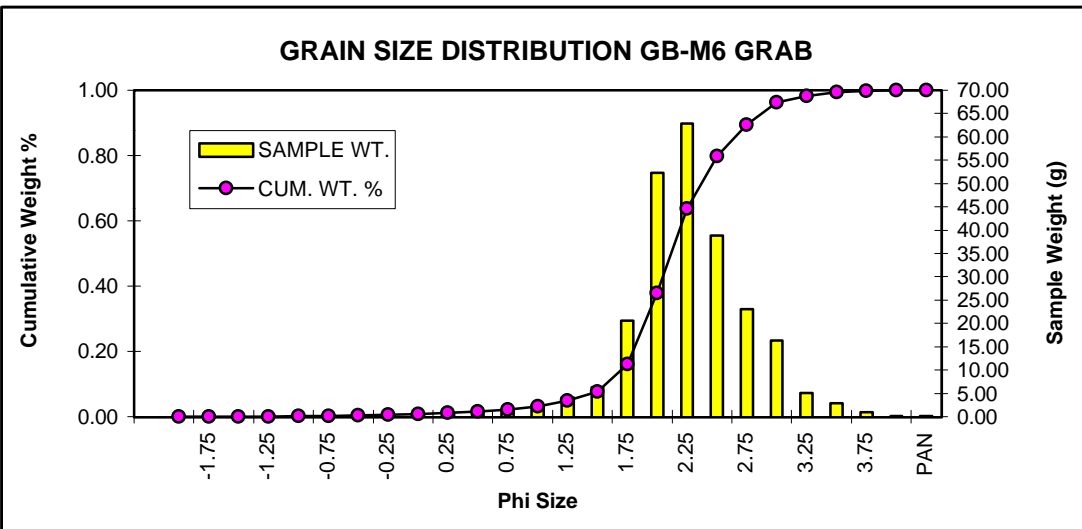


# GRAIN SIZE DISTRIBUTION CHART

## GB-M6 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.047	0.047	0.000194660	0.000194660
-1.50	0.041	0.088	0.000169810	0.000364469
-1.25	0.093	0.181	0.000385178	0.000749647
-1.00	0.193	0.374	0.000799347	0.001548994
-0.75	0.251	0.625	0.001039566	0.002588560
-0.50	0.334	0.959	0.001383326	0.003971886
-0.25	0.462	1.421	0.001913463	0.005885350
0.00	0.557	1.978	0.002306925	0.008192274
0.25	0.827	2.805	0.003425182	0.011617456
0.50	1.014	3.819	0.004199679	0.015817136
0.75	1.445	5.264	0.005984750	0.021801886
1.00	2.502	7.766	0.010362523	0.032164409
1.25	4.168	11.934	0.017262588	0.049426996
1.50	6.331	18.265	0.026221075	0.075648072
1.75	20.626	38.891	0.085426615	0.161074687
2.00	52.260	91.151	0.216445017	0.377519704
2.25	62.815	153.966	0.260160615	0.637680319
2.50	38.904	192.870	0.161128529	0.798808848
2.75	23.111	215.981	0.095718729	0.894527577
3.00	16.331	232.312	0.067638032	0.962165610
3.25	5.060	237.372	0.020956980	0.983122590
3.50	2.873	240.245	0.011899092	0.995021682
3.75	0.912	241.157	0.003777226	0.998798908
4.00	0.201	241.358	0.000832481	0.999631389
PAN	0.089	241.447	0.000368611	1.0

**TOTAL WT.** 241.447 grams  
**MEDIAN WT.** 120.724 grams  
**MEAN GRAIN SIZE** 2.12 phi 0.2300 mm

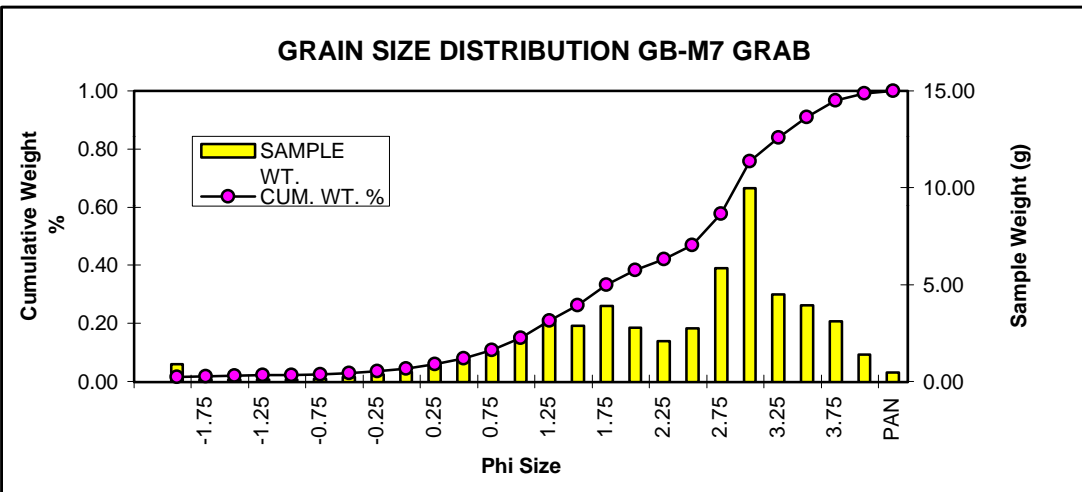


# GRAIN SIZE DISTRIBUTION CHART

## GB-M7 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.895	0.895	0.016228174	0.016228174
-1.75	0.102	0.997	0.001849468	0.018077641
-1.50	0.091	1.088	0.001650015	0.019727657
-1.25	0.094	1.182	0.001704412	0.021432068
-1.00	0.087	1.269	0.001577487	0.023009556
-0.75	0.127	1.396	0.002302769	0.025312324
-0.50	0.215	1.611	0.003898388	0.029210712
-0.25	0.377	1.988	0.006835778	0.036046491
0.00	0.500	2.488	0.009066019	0.045112509
0.25	0.796	3.284	0.014433102	0.059545611
0.50	1.103	4.387	0.019999637	0.079545248
0.75	1.546	5.933	0.028032130	0.107577378
1.00	2.367	8.300	0.042918533	0.150495911
1.25	3.253	11.553	0.058983518	0.209479429
1.50	2.871	14.424	0.052057080	0.261536509
1.75	3.909	18.333	0.070878135	0.332414643
2.00	2.766	21.099	0.050153216	0.382567859
2.25	2.080	23.179	0.037714638	0.420282497
2.50	2.746	25.925	0.049790575	0.470073072
2.75	5.848	31.773	0.106036155	0.576109227
3.00	9.989	41.762	0.181120923	0.757230150
3.25	4.484	46.246	0.081304056	0.838534206
3.50	3.947	50.193	0.071567152	0.910101358
3.75	3.093	53.286	0.056082392	0.966183750
4.00	1.388	54.674	0.025167268	0.991351018
PAN	0.477	55.151	0.008648982	1.0

<b>TOTAL WT.</b>	55.151	grams	
<b>MEDIAN WT.</b>	27.576	grams	
<b>MEAN GRAIN SIZE</b>	2.57	phi	0.1684 mm

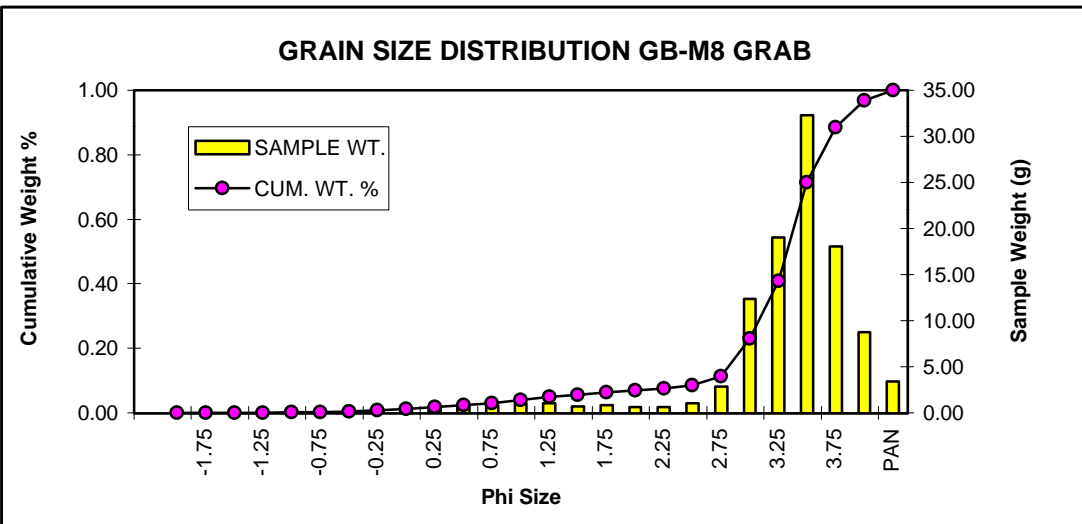


# GRAIN SIZE DISTRIBUTION CHART

## GB-M8 GRAB

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	0.032	0.032	0.000302595	0.000302595
-1.25	0.067	0.099	0.000633558	0.000936153
-1.00	0.087	0.186	0.000822679	0.001758832
-0.75	0.109	0.295	0.001030713	0.002789545
-0.50	0.169	0.464	0.001598079	0.004387624
-0.25	0.340	0.804	0.003215069	0.007602693
0.00	0.422	1.226	0.003990468	0.011593161
0.25	0.594	1.820	0.005616915	0.017210076
0.50	0.607	2.427	0.005739844	0.022949921
0.75	0.770	3.197	0.007281186	0.030231107
1.00	1.015	4.212	0.009597927	0.039829034
1.25	1.026	5.238	0.009701944	0.049530978
1.50	0.693	5.931	0.006553068	0.056084046
1.75	0.826	6.757	0.007810727	0.063894773
2.00	0.608	7.365	0.005749300	0.069644073
2.25	0.598	7.963	0.005654739	0.075298812
2.50	1.073	9.036	0.010146380	0.085445193
2.75	2.866	11.902	0.027101142	0.112546335
3.00	12.363	24.265	0.116905590	0.229451925
3.25	19.036	43.301	0.180006052	0.409457977
3.50	32.317	75.618	0.305592329	0.715050306
3.75	18.028	93.646	0.170474317	0.885524624
4.00	8.731	102.377	0.082561086	0.968085710
PAN	3.375	105.752	0.031914290	1.0

<b>TOTAL WT.</b>	105.752	grams	
<b>MEDIAN WT.</b>	52.876	grams	
<b>MEAN GRAIN SIZE</b>	3.32	phi	0.1001 mm

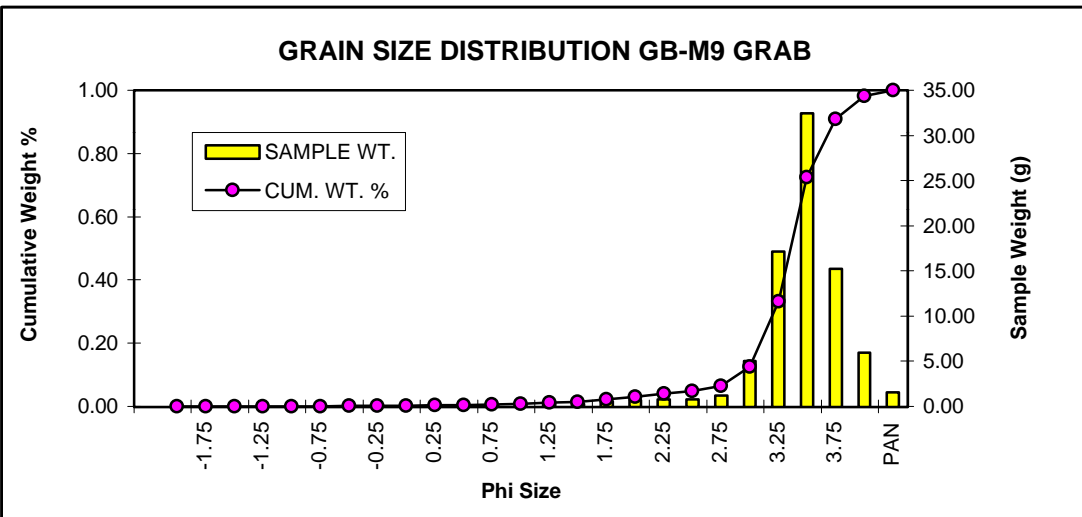


# GRAIN SIZE DISTRIBUTION CHART

## GB-M9 GRAB

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	0.013	0.013	0.000157183	0.000157183
-1.00	0.006	0.019	0.000072546	0.000229729
-0.75	0.030	0.049	0.000362731	0.000592460
-0.50	0.038	0.087	0.000459459	0.001051919
-0.25	0.055	0.142	0.000665006	0.001716925
0.00	0.062	0.204	0.000749643	0.002466568
0.25	0.085	0.289	0.001027737	0.003494305
0.50	0.111	0.400	0.001342103	0.004836408
0.75	0.141	0.541	0.001704834	0.006541242
1.00	0.179	0.720	0.002164293	0.008705535
1.25	0.276	0.996	0.003337122	0.012042657
1.50	0.248	1.244	0.002998573	0.015041230
1.75	0.576	1.820	0.006964428	0.022005659
2.00	0.732	2.552	0.008850628	0.030856286
2.25	0.763	3.315	0.009225449	0.040081735
2.50	0.770	4.085	0.009310086	0.049391822
2.75	1.208	5.293	0.014605954	0.063997775
3.00	5.006	10.299	0.060527652	0.124525427
3.25	17.128	27.427	0.207095011	0.331620439
3.50	32.484	59.911	0.392764733	0.724385172
3.75	15.231	75.142	0.184158344	0.908543516
4.00	5.974	81.116	0.072231761	0.980775276
PAN	1.590	82.706	0.019224724	1.0

<b>TOTAL WT.</b>	82.706	grams	
<b>MEDIAN WT.</b>	41.353	grams	
<b>MEAN GRAIN SIZE</b>	3.36	phi	0.0974 mm



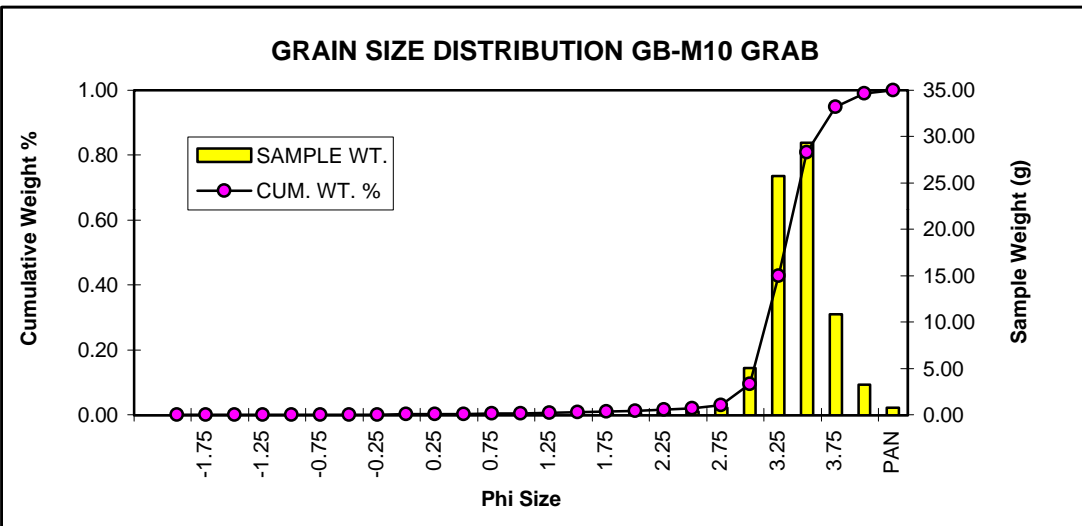


# GRAIN SIZE DISTRIBUTION CHART

## GB-M10 GRAB

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	0.007	0.007	0.000090738	0.000090738
-1.00	0.006	0.013	0.000077776	0.000168514
-0.75	0.024	0.037	0.000311102	0.000479616
-0.50	0.014	0.051	0.000181476	0.000661093
-0.25	0.022	0.073	0.000285177	0.000946270
0.00	0.034	0.107	0.000440728	0.001386999
0.25	0.035	0.142	0.000453691	0.001840690
0.50	0.060	0.202	0.000777756	0.002618446
0.75	0.072	0.274	0.000933307	0.003551753
1.00	0.103	0.377	0.001335148	0.004886901
1.25	0.109	0.486	0.001412924	0.006299825
1.50	0.087	0.573	0.001127746	0.007427571
1.75	0.168	0.741	0.002177717	0.009605289
2.00	0.231	0.972	0.002994361	0.012599650
2.25	0.246	1.218	0.003188800	0.015788450
2.50	0.326	1.544	0.004225809	0.020014259
2.75	0.733	2.277	0.009501588	0.029515847
3.00	5.014	7.291	0.064994491	0.094510338
3.25	25.737	33.028	0.333618511	0.428128848
3.50	29.317	62.345	0.380024629	0.808153477
3.75	10.846	73.191	0.140592391	0.948745868
4.00	3.214	76.405	0.041661806	0.990407674
PAN	0.740	77.145	0.009592326	1.0

<b>TOTAL WT.</b>	77.145	grams	
<b>MEDIAN WT.</b>	38.573	grams	
<b>MEAN GRAIN SIZE</b>	3.3	phi	0.1015 mm

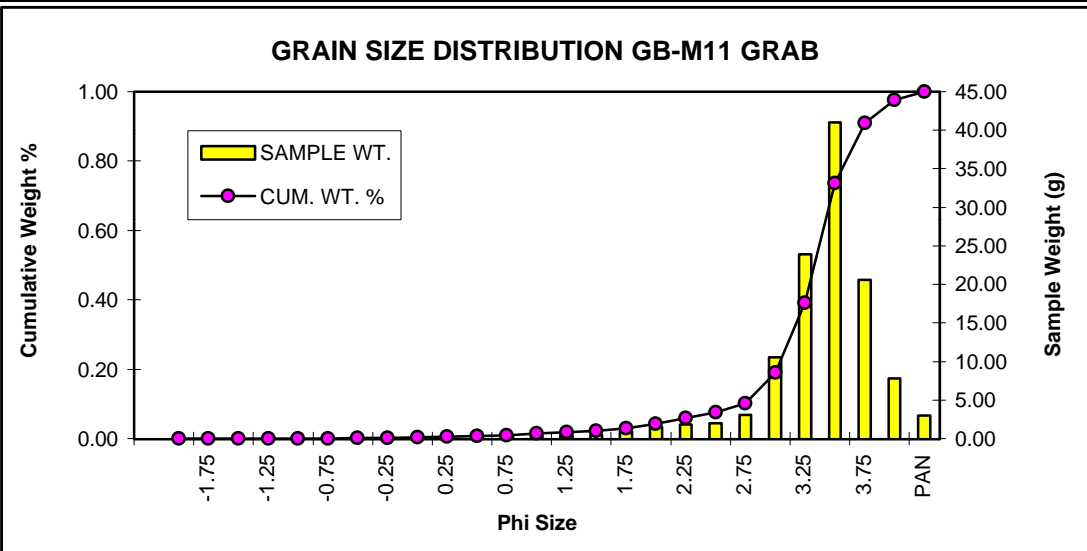


# GRAIN SIZE DISTRIBUTION CHART

## GB-M11 GRAB

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	0.019	0.019	0.000160063	0.000160063
-0.75	0.037	0.056	0.000311702	0.000471766
-0.50	0.098	0.154	0.000825590	0.001297356
-0.25	0.095	0.249	0.000800317	0.002097672
0.00	0.155	0.404	0.001305780	0.003403452
0.25	0.229	0.633	0.001929185	0.005332637
0.50	0.250	0.883	0.002106097	0.007438734
0.75	0.312	1.195	0.002628409	0.010067142
1.00	0.450	1.645	0.003790974	0.013858116
1.25	0.519	2.164	0.004372257	0.018230373
1.50	0.482	2.646	0.004060554	0.022290928
1.75	0.930	3.576	0.007834680	0.030125608
2.00	1.510	5.086	0.012720824	0.042846432
2.25	1.828	6.914	0.015399779	0.058246211
2.50	1.997	8.911	0.016823501	0.075069712
2.75	3.048	11.959	0.025677531	0.100747243
3.00	10.534	22.493	0.088742492	0.189489735
3.25	23.877	46.370	0.201149086	0.390638821
3.50	40.976	87.346	0.345197678	0.735836499
3.75	20.612	107.958	0.173643463	0.909479963
4.00	7.792	115.750	0.065642823	0.975122785
PAN	2.953	118.703	0.024877215	1.0

<b>TOTAL WT.</b>	118.703	grams	
<b>MEDIAN WT.</b>	59.352	grams	
<b>MEAN GRAIN SIZE</b>	3.33	phi	0.0994 mm

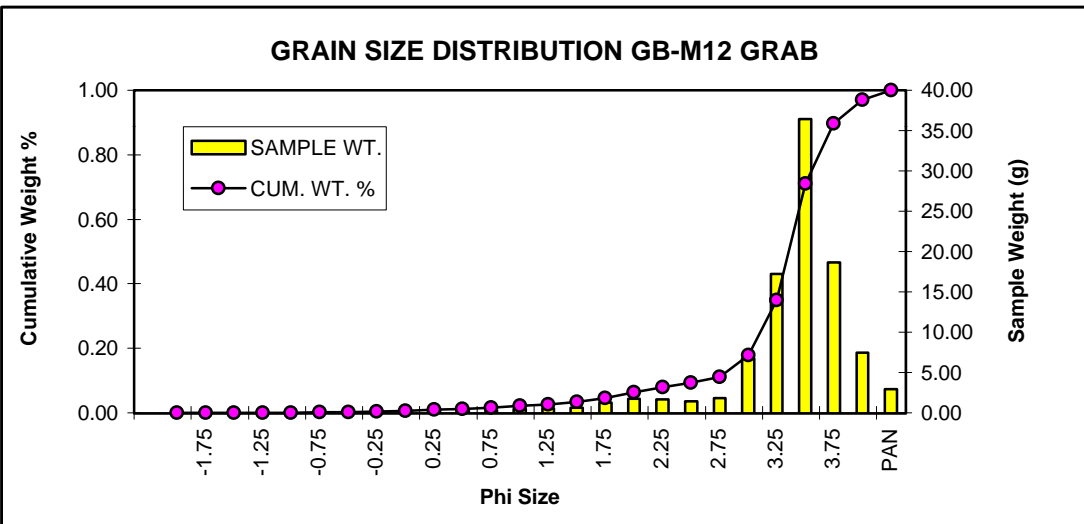


# GRAIN SIZE DISTRIBUTION CHART

## GB-M12 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.018	0.018	0.000178790	0.000178790
-1.50	0.007	0.025	0.000069529	0.000248319
-1.25	0.006	0.031	0.000059597	0.000307915
-1.00	0.000	0.031	0.000000000	0.000307915
-0.75	0.091	0.122	0.000903881	0.001211796
-0.50	0.142	0.264	0.001410451	0.002622247
-0.25	0.167	0.431	0.001658770	0.004281018
0.00	0.208	0.639	0.002066013	0.006347031
0.25	0.348	0.987	0.003456599	0.009803629
0.50	0.305	1.292	0.003029490	0.012833120
0.75	0.355	1.647	0.003526128	0.016359248
1.00	0.500	2.147	0.004966378	0.021325626
1.25	0.534	2.681	0.005304091	0.026629717
1.50	0.646	3.327	0.006416560	0.033046277
1.75	1.236	4.563	0.012276885	0.045323162
2.00	1.768	6.331	0.017561111	0.062884273
2.25	1.689	8.020	0.016776424	0.079660697
2.50	1.390	9.410	0.013806530	0.093467227
2.75	1.857	11.267	0.018445126	0.111912353
3.00	6.722	17.989	0.066767981	0.178680334
3.25	17.204	35.193	0.170883121	0.349563455
3.50	36.415	71.608	0.361701282	0.711264738
3.75	18.667	90.275	0.185414742	0.896679480
4.00	7.493	97.768	0.074426135	0.971105615
PAN	2.909	100.677	0.028894385	1.0

<b>TOTAL WT.</b>	100.677	grams	
<b>MEDIAN WT.</b>	50.339	grams	
<b>MEAN GRAIN SIZE</b>	3.35	phi	0.0981 mm

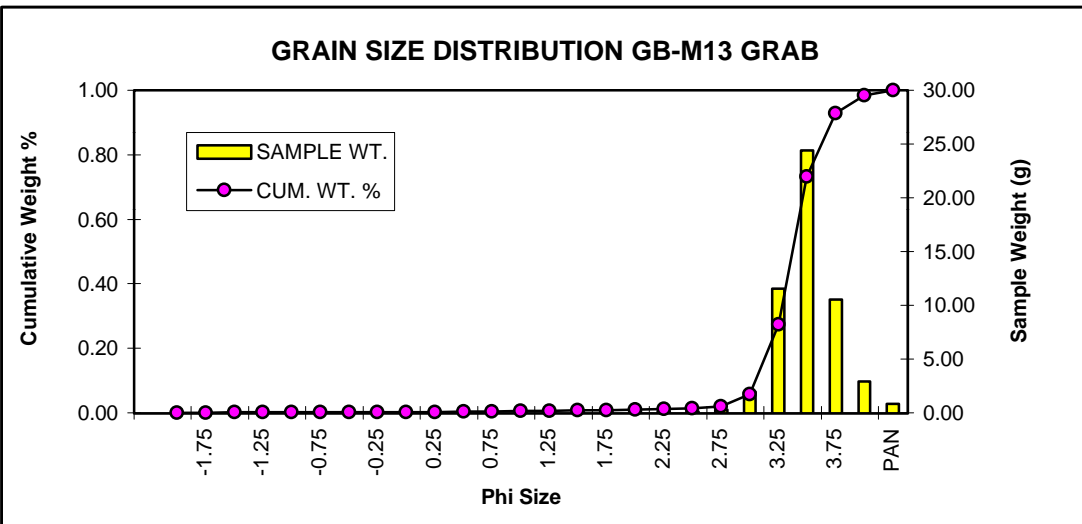


# GRAIN SIZE DISTRIBUTION CHART

## GB-M13 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.039	0.039	0.000732862	0.000732862
-1.50	0.028	0.067	0.000526158	0.001259020
-1.25	0.000	0.067	0.000000000	0.001259020
-1.00	0.000	0.067	0.000000000	0.001259020
-0.75	0.010	0.077	0.000187913	0.001446933
-0.50	0.008	0.085	0.000150331	0.001597264
-0.25	0.015	0.100	0.000281870	0.001879134
0.00	0.021	0.121	0.000394618	0.002273752
0.25	0.033	0.154	0.000620114	0.002893867
0.50	0.035	0.189	0.000657697	0.003551563
0.75	0.037	0.226	0.000695280	0.004246843
1.00	0.045	0.271	0.000845610	0.005092453
1.25	0.056	0.327	0.001052315	0.006144768
1.50	0.044	0.371	0.000826819	0.006971587
1.75	0.081	0.452	0.001522099	0.008493686
2.00	0.090	0.542	0.001691221	0.010184907
2.25	0.097	0.639	0.001822760	0.012007667
2.50	0.143	0.782	0.002687162	0.014694829
2.75	0.304	1.086	0.005712568	0.020407396
3.00	1.937	3.023	0.036398827	0.056806224
3.25	11.535	14.558	0.216758118	0.273564342
3.50	24.376	38.934	0.458057727	0.731622069
3.75	10.528	49.462	0.197835238	0.929457306
4.00	2.942	52.404	0.055284125	0.984741431
PAN	0.812	53.216	0.015258569	1.0

<b>TOTAL WT.</b>	53.216	grams	
<b>MEDIAN WT.</b>	26.608	grams	
<b>MEAN GRAIN SIZE</b>	3.37	phi	0.0967 mm

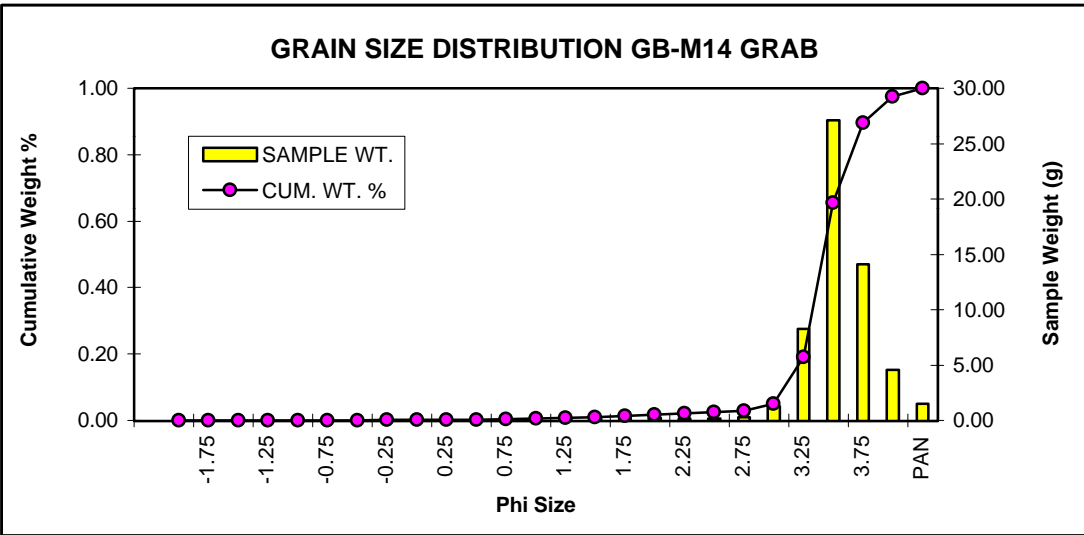


# GRAIN SIZE DISTRIBUTION CHART

## GB-M14 GRAB

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	0.030	0.030	0.000513031	0.000513031
-1.00	0.000	0.030	0.000000000	0.000513031
-0.75	0.005	0.035	0.000085505	0.000598536
-0.50	0.014	0.049	0.000239414	0.000837951
-0.25	0.019	0.068	0.000324920	0.001162870
0.00	0.023	0.091	0.000393324	0.001556194
0.25	0.036	0.127	0.000615637	0.002171831
0.50	0.032	0.159	0.000547233	0.002719064
0.75	0.057	0.216	0.000974759	0.003693823
1.00	0.094	0.310	0.001607497	0.005301320
1.25	0.147	0.457	0.002513852	0.007815172
1.50	0.144	0.601	0.002462549	0.010277721
1.75	0.240	0.841	0.004104248	0.014381969
2.00	0.224	1.065	0.003830631	0.018212600
2.25	0.175	1.240	0.002992681	0.021205281
2.50	0.171	1.411	0.002924277	0.024129557
2.75	0.290	1.701	0.004959300	0.029088857
3.00	1.243	2.944	0.021256584	0.050345441
3.25	8.244	11.188	0.140980915	0.191326356
3.50	27.103	38.291	0.463489295	0.654815651
3.75	14.107	52.398	0.241244271	0.896059922
4.00	4.593	56.991	0.078545044	0.974604966
PAN	1.485	58.476	0.025395034	1.0

<b>TOTAL WT.</b>	58.476	grams	
<b>MEDIAN WT.</b>	29.238	grams	
<b>MEAN GRAIN SIZE</b>	3.42	phi	0.0934 mm

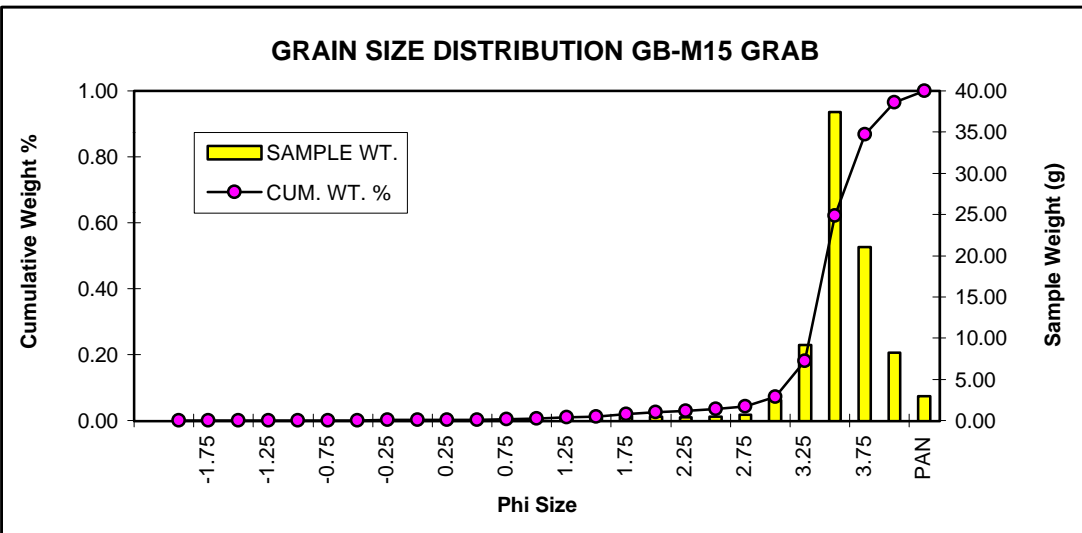


# GRAIN SIZE DISTRIBUTION CHART

## GB-M15 GRAB

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	0.019	0.019	0.000223719	0.000223719
-1.00	0.007	0.026	0.000082423	0.000306142
-0.75	0.012	0.038	0.000141296	0.000447438
-0.50	0.013	0.051	0.000153071	0.000600509
-0.25	0.032	0.083	0.000376790	0.000977298
0.00	0.029	0.112	0.000341466	0.001318764
0.25	0.055	0.167	0.000647607	0.001966372
0.50	0.065	0.232	0.000765354	0.002731726
0.75	0.085	0.317	0.001000848	0.003732573
1.00	0.174	0.491	0.002048794	0.005781368
1.25	0.289	0.780	0.003402882	0.009184250
1.50	0.280	1.060	0.003296910	0.012481161
1.75	0.525	1.585	0.006181707	0.018662867
2.00	0.479	2.064	0.005640072	0.024302939
2.25	0.414	2.478	0.004874717	0.029177656
2.50	0.462	2.940	0.005439902	0.034617558
2.75	0.693	3.633	0.008159853	0.042777411
3.00	2.521	6.154	0.029683968	0.072461379
3.25	9.131	15.285	0.107514601	0.179975980
3.50	37.459	52.744	0.441067728	0.621043708
3.75	21.022	73.766	0.247527317	0.868571025
4.00	8.197	81.963	0.096517050	0.965088075
PAN	2.965	84.928	0.034911925	1.0

<b>TOTAL WT.</b>	84.928	grams	
<b>MEDIAN WT.</b>	42.464	grams	
<b>MEAN GRAIN SIZE</b>	3.43	phi	0.0928 mm

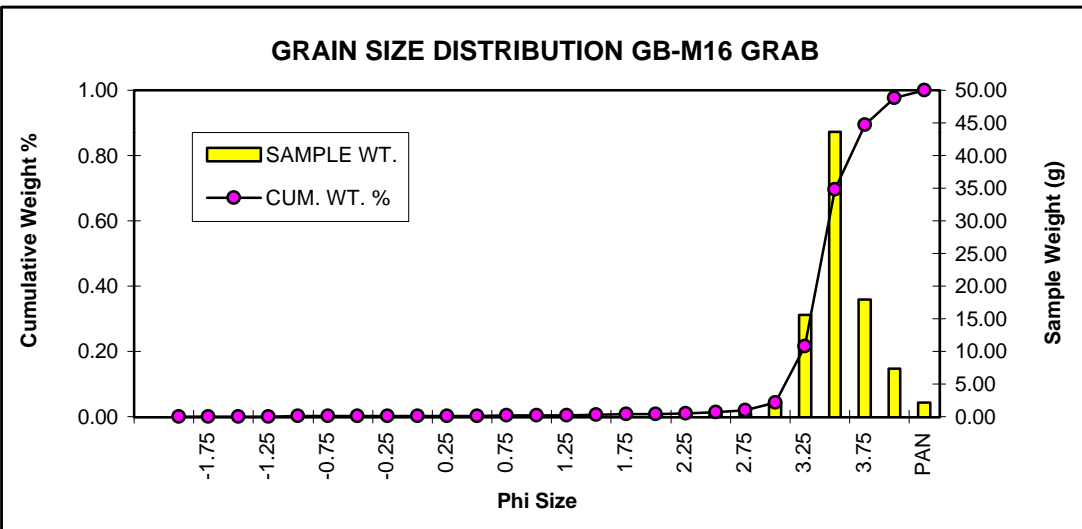


# GRAIN SIZE DISTRIBUTION CHART

## GB-M16 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.029	0.029	0.000320187	0.000320187
-1.75	0.041	0.070	0.000452679	0.000772866
-1.50	0.000	0.070	0.000000000	0.000772866
-1.25	0.009	0.079	0.000099368	0.000872234
-1.00	0.018	0.097	0.000198737	0.001070971
-0.75	0.010	0.107	0.000110409	0.001181381
-0.50	0.017	0.124	0.000187696	0.001369077
-0.25	0.027	0.151	0.000298105	0.001667182
0.00	0.022	0.173	0.000242901	0.001910083
0.25	0.046	0.219	0.000507883	0.002417966
0.50	0.031	0.250	0.000342269	0.002760235
0.75	0.039	0.289	0.000430597	0.003190832
1.00	0.059	0.348	0.000651415	0.003842247
1.25	0.078	0.426	0.000861193	0.004703440
1.50	0.070	0.496	0.000772866	0.005476306
1.75	0.132	0.628	0.001457404	0.006933710
2.00	0.143	0.771	0.001578854	0.008512565
2.25	0.170	0.941	0.001876960	0.010389524
2.50	0.277	1.218	0.003058340	0.013447865
2.75	0.529	1.747	0.005840657	0.019288522
3.00	2.183	3.930	0.024102372	0.043390893
3.25	15.574	19.504	0.171951597	0.215342490
3.50	43.603	63.107	0.481418098	0.696760588
3.75	17.948	81.055	0.198162788	0.894923376
4.00	7.322	88.377	0.080841761	0.975765137
PAN	2.195	90.572	0.024234863	1.0

<b>TOTAL WT.</b>	90.572	grams	
<b>MEDIAN WT.</b>	45.286	grams	
<b>MEAN GRAIN SIZE</b>	3.4	phi	0.0947 mm

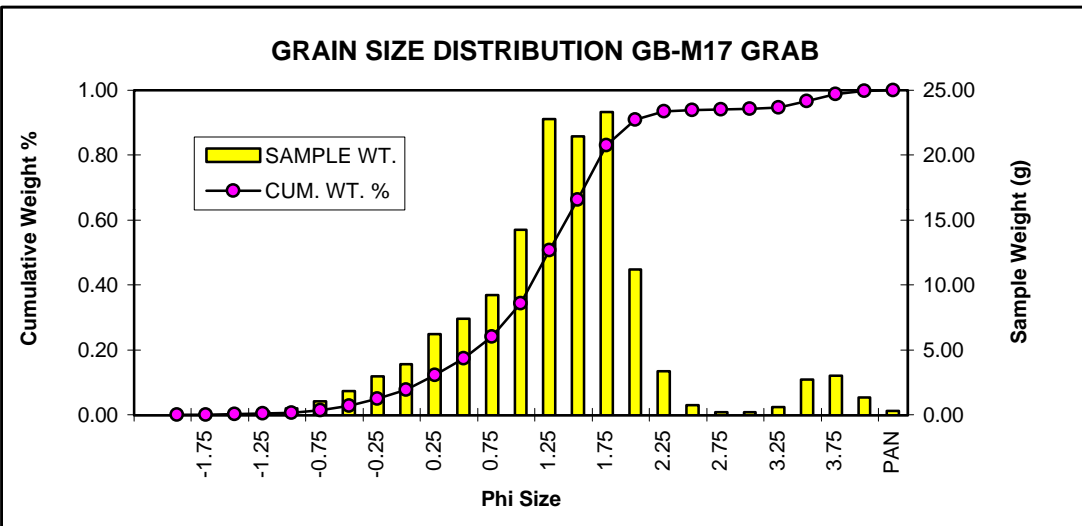


# GRAIN SIZE DISTRIBUTION CHART

## GB-M17 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.040	0.040	0.000287906	0.000287906
-1.75	0.038	0.078	0.000273511	0.000561418
-1.50	0.118	0.196	0.000849324	0.001410742
-1.25	0.242	0.438	0.001741834	0.003152576
-1.00	0.510	0.948	0.003670808	0.006823384
-0.75	1.023	1.971	0.007363208	0.014186592
-0.50	1.830	3.801	0.013171722	0.027358314
-0.25	2.971	6.772	0.021384254	0.048742568
0.00	3.884	10.656	0.027955720	0.076698288
0.25	6.201	16.857	0.044632703	0.121330992
0.50	7.380	24.237	0.053118747	0.174449739
0.75	9.232	33.469	0.066448817	0.240898556
1.00	14.260	47.729	0.102638663	0.343537219
1.25	22.759	70.488	0.163811594	0.507348813
1.50	21.462	91.950	0.154476226	0.661825039
1.75	23.299	115.249	0.167698332	0.829523371
2.00	11.194	126.443	0.080570631	0.910094001
2.25	3.346	129.789	0.024083378	0.934177379
2.50	0.739	130.528	0.005319072	0.939496452
2.75	0.216	130.744	0.001554695	0.941051147
3.00	0.213	130.957	0.001533102	0.942584249
3.25	0.602	131.559	0.004332993	0.946917241
3.50	2.730	134.289	0.019649618	0.966566859
3.75	3.013	137.302	0.021686556	0.988253415
4.00	1.338	138.640	0.009630472	0.997883887
PAN	0.294	138.934	0.002116113	1.0

<b>TOTAL WT.</b>	138.934	grams	
<b>MEDIAN WT.</b>	69.467	grams	
<b>MEAN GRAIN SIZE</b>	1.24	phi	1.2400 mm



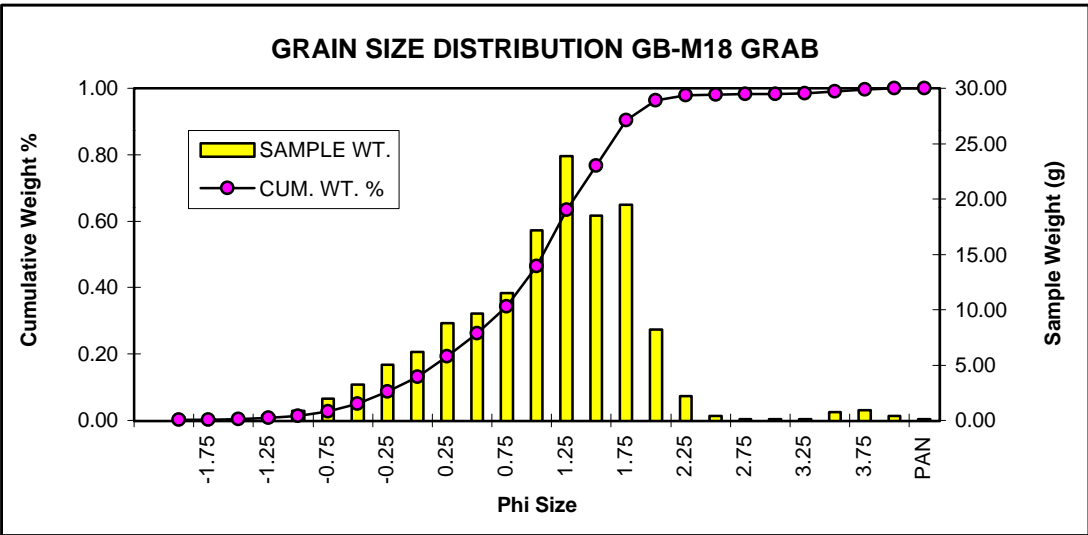


# GRAIN SIZE DISTRIBUTION CHART

## GB-M18 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.273	0.273	0.001940326	0.001940326
-1.75	0.107	0.380	0.000760494	0.002700820
-1.50	0.214	0.594	0.001520988	0.004221808
-1.25	0.449	1.043	0.003191232	0.007413041
-1.00	0.877	1.920	0.006233209	0.013646249
-0.75	1.942	3.862	0.013802613	0.027448862
-0.50	3.262	7.124	0.023184409	0.050633271
-0.25	5.020	12.144	0.035679256	0.086312528
0.00	6.203	18.347	0.044087336	0.130399864
0.25	8.775	27.122	0.062367624	0.192767488
0.50	9.629	36.751	0.068437362	0.261204850
0.75	11.490	48.241	0.081664274	0.342869124
1.00	17.140	65.381	0.121821206	0.464690330
1.25	23.875	89.256	0.169689690	0.634380020
1.50	18.526	107.782	0.131672092	0.766052112
1.75	19.487	127.269	0.138502324	0.904554436
2.00	8.226	135.495	0.058465650	0.963020086
2.25	2.182	137.677	0.015508394	0.978528479
2.50	0.409	138.086	0.002906935	0.981435415
2.75	0.142	138.228	0.001009254	0.982444669
3.00	0.141	138.369	0.001002146	0.983446815
3.25	0.119	138.488	0.000845783	0.984292598
3.50	0.739	139.227	0.005252385	0.989544983
3.75	0.917	140.144	0.006517506	0.996062488
4.00	0.424	140.568	0.003013547	0.999076035
PAN	0.130	140.698	0.000923965	1.0

**TOTAL WT.** 140.698 grams  
**MEDIAN WT.** 70.349 grams  
**MEAN GRAIN SIZE** 1.05 phi 0.4830 mm

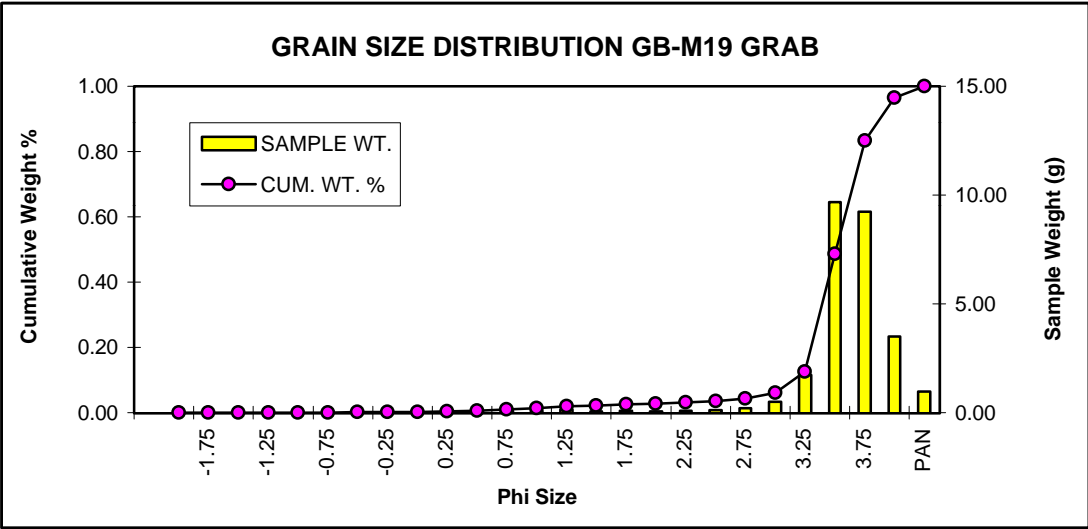


# GRAIN SIZE DISTRIBUTION CHART

## GB-M19 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.013	0.013	0.000485945	0.000485945
-1.50	0.000	0.013	0.000000000	0.000485945
-1.25	0.011	0.024	0.000411184	0.000897129
-1.00	0.000	0.024	0.000000000	0.000897129
-0.75	0.000	0.024	0.000000000	0.000897129
-0.50	0.010	0.034	0.000373804	0.001270933
-0.25	0.009	0.043	0.000336423	0.001607356
0.00	0.016	0.059	0.000598086	0.002205443
0.25	0.034	0.093	0.001270933	0.003476376
0.50	0.083	0.176	0.003102572	0.006578947
0.75	0.076	0.252	0.002840909	0.009419856
1.00	0.102	0.354	0.003812799	0.013232656
1.25	0.153	0.507	0.005719199	0.018951854
1.50	0.060	0.567	0.002242823	0.021194677
1.75	0.091	0.658	0.003401615	0.024596292
2.00	0.073	0.731	0.002728768	0.027325060
2.25	0.085	0.816	0.003177333	0.030502392
2.50	0.121	0.937	0.004523026	0.035025419
2.75	0.196	1.133	0.007326555	0.042351974
3.00	0.486	1.619	0.018166866	0.060518840
3.25	1.725	3.344	0.064481160	0.125000000
3.50	9.691	13.035	0.362253289	0.487253289
3.75	9.240	22.275	0.345394737	0.832648026
4.00	3.513	25.788	0.131317285	0.963965311
PAN	0.964	26.752	0.036034689	1.0

<b>TOTAL WT.</b>	26.752	grams	
<b>MEDIAN WT.</b>	13.376	grams	
<b>MEAN GRAIN SIZE</b>	3.51	phi	0.0878 mm

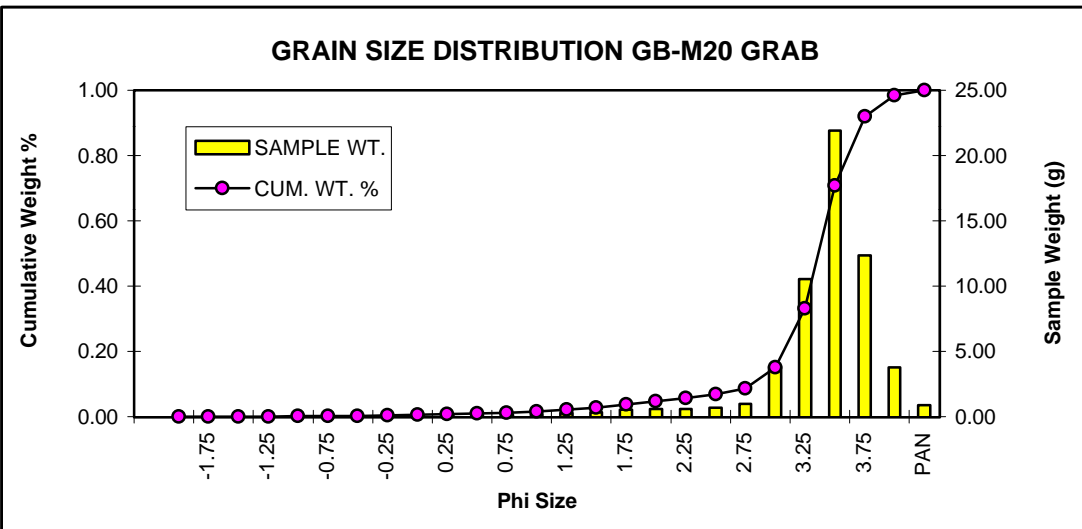


# GRAIN SIZE DISTRIBUTION CHART

## GB-M20 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.030	0.030	0.000514642	0.000514642
-1.75	0.000	0.030	0.000000000	0.000514642
-1.50	0.000	0.030	0.000000000	0.000514642
-1.25	0.000	0.030	0.000000000	0.000514642
-1.00	0.038	0.068	0.000651879	0.001166521
-0.75	0.019	0.087	0.000325940	0.001492461
-0.50	0.046	0.133	0.000789117	0.002281578
-0.25	0.087	0.220	0.001492461	0.003774038
0.00	0.114	0.334	0.001955638	0.005729676
0.25	0.109	0.443	0.001869864	0.007599540
0.50	0.152	0.595	0.002607517	0.010207057
0.75	0.145	0.740	0.002487434	0.012694492
1.00	0.213	0.953	0.003653955	0.016348447
1.25	0.299	1.252	0.005129261	0.021477707
1.50	0.347	1.599	0.005952687	0.027430395
1.75	0.548	2.147	0.009400786	0.036831180
2.00	0.589	2.736	0.010104129	0.046935310
2.25	0.589	3.325	0.010104129	0.057039439
2.50	0.681	4.006	0.011682363	0.068721802
2.75	1.002	5.008	0.017189028	0.085910830
3.00	3.832	8.840	0.065736881	0.151647711
3.25	10.525	19.365	0.180553411	0.332201122
3.50	21.922	41.287	0.376065737	0.708266859
3.75	12.349	53.636	0.211843618	0.920110476
4.00	3.798	57.434	0.065153621	0.985264097
PAN	0.859	58.293	0.014735903	1.0

<b>TOTAL WT.</b>	58.293	grams	
<b>MEDIAN WT.</b>	29.147	grams	
<b>MEAN GRAIN SIZE</b>	3.36	phi	0.0974 mm

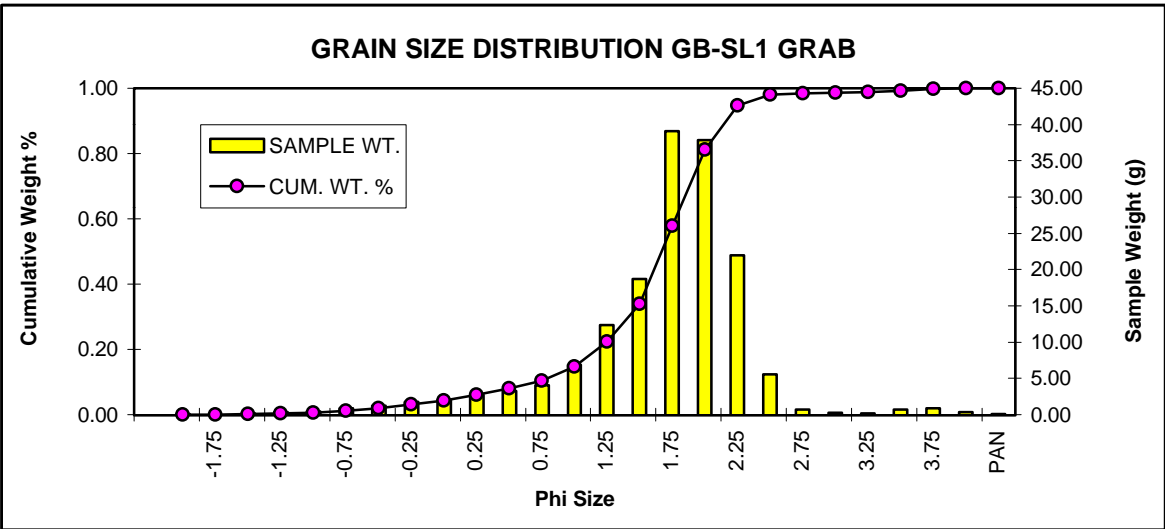


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL1 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.073	0.073	0.000449499	0.000449499
-1.75	0.037	0.110	0.000227828	0.000677327
-1.50	0.186	0.296	0.001145299	0.001822626
-1.25	0.352	0.648	0.002167448	0.003990074
-1.00	0.419	1.067	0.002580002	0.006570076
-0.75	0.914	1.981	0.005627975	0.012198051
-0.50	1.224	3.205	0.007536807	0.019734857
-0.25	1.773	4.978	0.010917286	0.030652143
0.00	2.009	6.987	0.012370461	0.043022604
0.25	2.748	9.735	0.016920870	0.059943474
0.50	3.258	12.993	0.020061206	0.080004680
0.75	4.039	17.032	0.024870230	0.104874910
1.00	6.879	23.911	0.042357592	0.147232502
1.25	12.332	36.243	0.075934558	0.223167060
1.50	18.693	54.936	0.115102554	0.338269613
1.75	39.053	93.989	0.240469696	0.578739309
2.00	37.820	131.809	0.232877471	0.811616780
2.25	21.953	153.762	0.135176074	0.946792855
2.50	5.522	159.284	0.034001835	0.980794690
2.75	0.666	159.950	0.004100909	0.984895599
3.00	0.241	160.191	0.001483963	0.986379562
3.25	0.169	160.360	0.001040621	0.987420183
3.50	0.690	161.050	0.004248690	0.991668873
3.75	0.904	161.954	0.005566400	0.997235273
4.00	0.334	162.288	0.002056612	0.999291885
PAN	0.115	162.403	0.000708115	1.0

**TOTAL WT.** 162.403 grams  
**MEDIAN WT.** 81.202 grams  
**MEAN GRAIN SIZE** 1.67 phi 0.3143 mm

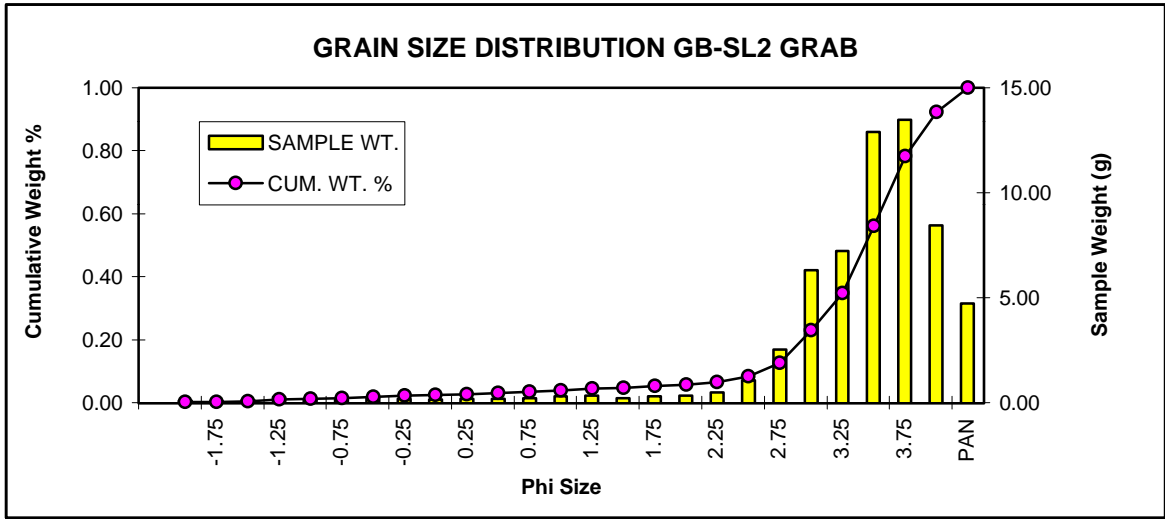


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL2 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.095	0.095	0.001566235	0.001566235
-1.75	0.066	0.161	0.001088121	0.002654357
-1.50	0.124	0.285	0.002044349	0.004698706
-1.25	0.282	0.567	0.004649246	0.009347952
-1.00	0.182	0.749	0.003000577	0.012348529
-0.75	0.160	0.909	0.002637870	0.014986398
-0.50	0.202	1.111	0.003330311	0.018316709
-0.25	0.196	1.307	0.003231391	0.021548100
0.00	0.151	1.458	0.002489490	0.024037590
0.25	0.192	1.650	0.003165444	0.027203034
0.50	0.191	1.841	0.003148957	0.030351991
0.75	0.202	2.043	0.003330311	0.033682302
1.00	0.297	2.340	0.004896546	0.038578848
1.25	0.324	2.664	0.005341687	0.043920534
1.50	0.200	2.864	0.003297337	0.047217872
1.75	0.302	3.166	0.004978979	0.052196851
2.00	0.344	3.510	0.005671420	0.057868271
2.25	0.475	3.985	0.007831176	0.065699448
2.50	1.071	5.056	0.017657242	0.083356689
2.75	2.527	7.583	0.041661858	0.125018548
3.00	6.304	13.887	0.103932075	0.228950622
3.25	7.234	21.121	0.119264694	0.348215316
3.50	12.895	34.016	0.212595829	0.560811145
3.75	13.472	47.488	0.222108647	0.782919792
4.00	8.450	55.938	0.139312505	0.922232297
PAN	4.717	60.655	0.077767703	1.0

<b>TOTAL WT.</b>	60.655	grams	
<b>MEDIAN WT.</b>	30.328	grams	
<b>MEAN GRAIN SIZE</b>	3.43	phi	0.0928 mm

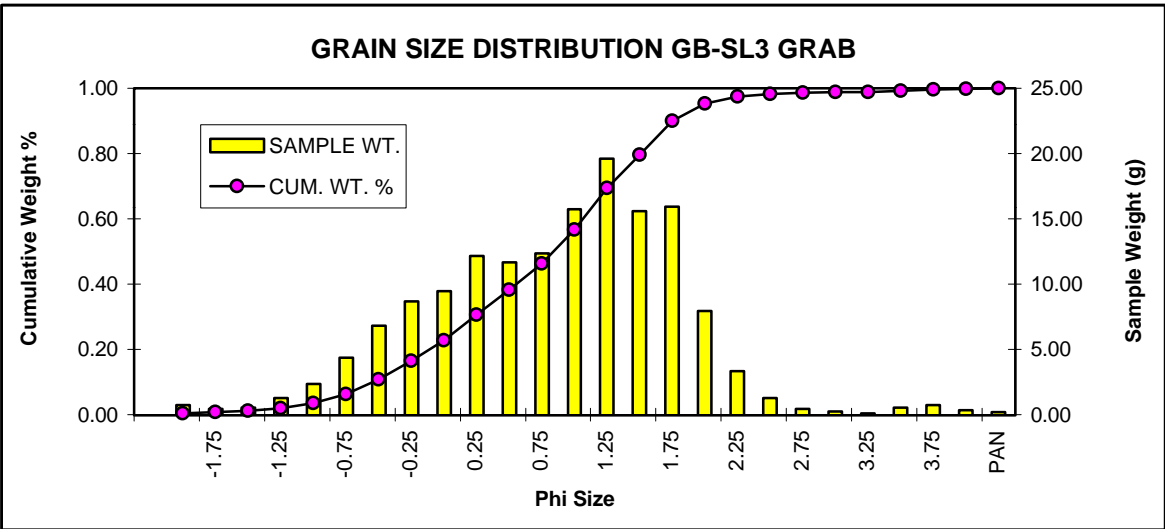


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL3 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.717	0.717	0.004692439	0.004692439
-1.75	0.459	1.176	0.003003946	0.007696385
-1.50	0.529	1.705	0.003462065	0.011158450
-1.25	1.269	2.974	0.008305028	0.019463478
-1.00	2.353	5.327	0.015399315	0.034862794
-0.75	4.344	9.671	0.028429505	0.063292299
-0.50	6.817	16.488	0.044614166	0.107906465
-0.25	8.681	25.169	0.056813199	0.164719664
0.00	9.460	34.629	0.061911400	0.226631064
0.25	12.142	46.771	0.079463871	0.306094935
0.50	11.675	58.446	0.076407568	0.382502503
0.75	12.365	70.811	0.080923304	0.463425808
1.00	15.740	86.551	0.103011145	0.566436953
1.25	19.599	106.150	0.128266546	0.694703499
1.50	15.566	121.716	0.101872394	0.796575894
1.75	15.910	137.626	0.104123718	0.900699612
2.00	7.961	145.587	0.052101126	0.952800738
2.25	3.337	148.924	0.021839148	0.974639886
2.50	1.281	150.205	0.008383563	0.983023449
2.75	0.429	150.634	0.002807610	0.985831059
3.00	0.253	150.887	0.001655770	0.987486829
3.25	0.121	151.008	0.000791890	0.988278719
3.50	0.524	151.532	0.003429342	0.991708061
3.75	0.723	152.255	0.004731706	0.996439767
4.00	0.356	152.611	0.002329858	0.998769625
PAN	0.188	152.799	0.001230375	1.0

**TOTAL WT.** 152.799 grams  
**MEDIAN WT.** 76.400 grams  
**MEAN GRAIN SIZE** 0.84 phi 0.5586 mm

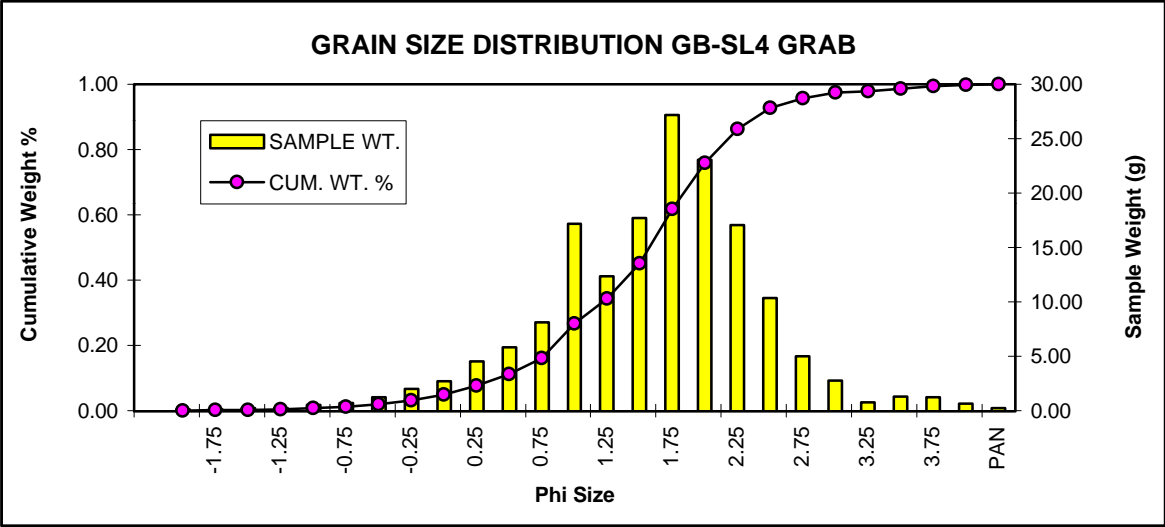


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL4 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.096	0.096	0.000588646	0.000588646
-1.75	0.121	0.217	0.000741940	0.001330586
-1.50	0.242	0.459	0.001483880	0.002814466
-1.25	0.262	0.721	0.001606514	0.004420980
-1.00	0.528	1.249	0.003237556	0.007658536
-0.75	0.682	1.931	0.004181843	0.011840379
-0.50	1.244	3.175	0.007627877	0.019468256
-0.25	2.029	5.204	0.012441289	0.031909545
0.00	2.692	7.896	0.016506628	0.048416173
0.25	4.518	12.414	0.027703175	0.076119348
0.50	5.812	18.226	0.035637639	0.111756987
0.75	8.118	26.344	0.049777418	0.161534405
1.00	17.204	43.548	0.105490355	0.267024760
1.25	12.324	55.872	0.075567492	0.342592252
1.50	17.679	73.551	0.108402929	0.450995180
1.75	27.187	100.738	0.166703457	0.617698638
2.00	23.043	123.781	0.141293551	0.758992188
2.25	17.049	140.830	0.104539936	0.863532124
2.50	10.329	151.159	0.063334682	0.926866806
2.75	4.979	156.138	0.030529904	0.957396711
3.00	2.759	158.897	0.016917455	0.974314166
3.25	0.785	159.682	0.004813411	0.979127577
3.50	1.271	160.953	0.007793434	0.986921011
3.75	1.228	162.181	0.007529770	0.994450781
4.00	0.641	162.822	0.003930442	0.998381222
PAN	0.264	163.086	0.001618778	1.0

<b>TOTAL WT.</b>	163.086	grams	
<b>MEDIAN WT.</b>	81.543	grams	
<b>MEAN GRAIN SIZE</b>	1.57	phi	0.3369 mm

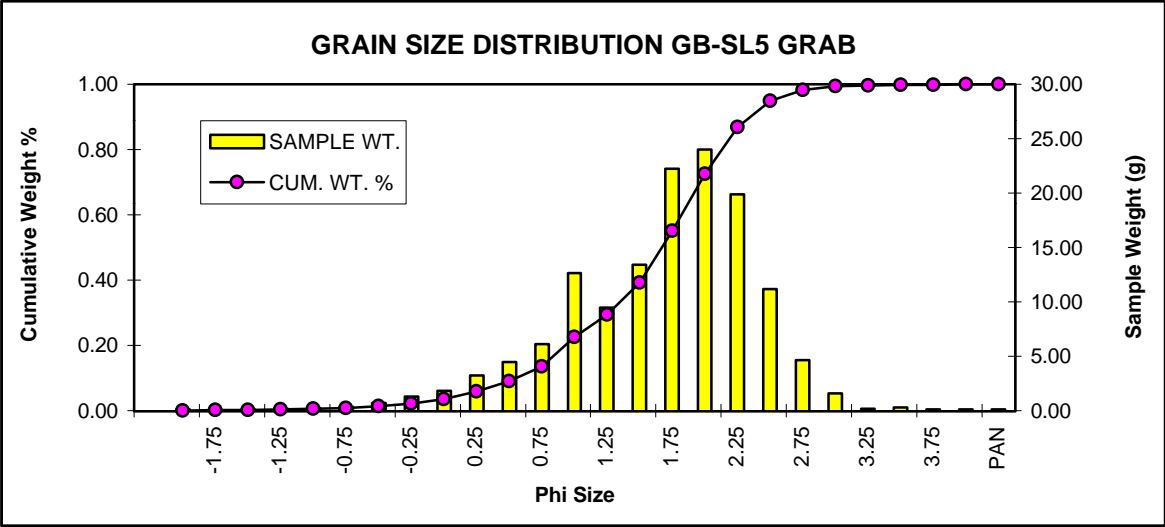


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL5 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.113	0.113	0.000815190	0.000815190
-1.75	0.075	0.188	0.000541055	0.001356245
-1.50	0.111	0.299	0.000800762	0.002157007
-1.25	0.169	0.468	0.001219178	0.003376185
-1.00	0.235	0.703	0.001695307	0.005071491
-0.75	0.375	1.078	0.002705276	0.007776768
-0.50	0.692	1.770	0.004992137	0.012768904
-0.25	1.305	3.075	0.009414362	0.022183266
0.00	1.798	4.873	0.012970898	0.035154165
0.25	3.233	8.106	0.023323089	0.058477254
0.50	4.495	12.601	0.032427246	0.090904500
0.75	6.127	18.728	0.044200609	0.135105109
1.00	12.630	31.358	0.091113708	0.226218817
1.25	9.483	40.841	0.068411029	0.294629846
1.50	13.425	54.266	0.096848894	0.391478740
1.75	22.221	76.487	0.160303857	0.551782597
2.00	23.988	100.475	0.173051119	0.724833716
2.25	19.910	120.385	0.143632140	0.868465856
2.50	11.189	131.574	0.080718233	0.949184089
2.75	4.621	136.195	0.033336219	0.982520308
3.00	1.579	137.774	0.011391017	0.993911325
3.25	0.201	137.975	0.001450028	0.995361353
3.50	0.313	138.288	0.002258004	0.997619357
3.75	0.134	138.422	0.000966685	0.998586042
4.00	0.102	138.524	0.000735835	0.999321877
PAN	0.094	138.618	0.000678123	1.0

<b>TOTAL WT.</b>	138.618	grams	
<b>MEDIAN WT.</b>	69.309	grams	
<b>MEAN GRAIN SIZE</b>	1.67	phi	0.3143 mm



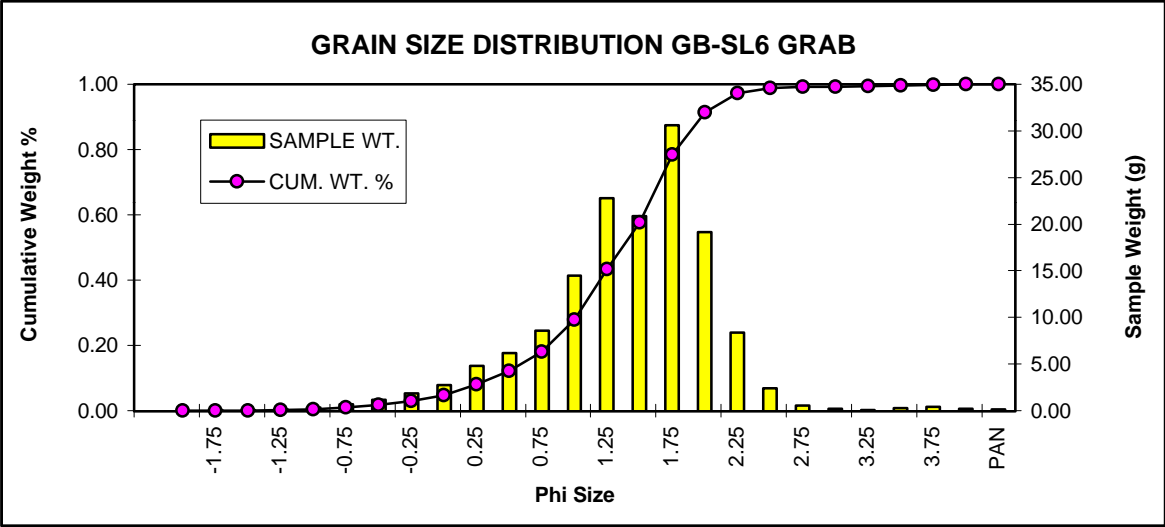


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL6 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.039	0.039	0.000265218	0.000265218
-1.50	0.100	0.139	0.000680045	0.000945263
-1.25	0.121	0.260	0.000822855	0.001768118
-1.00	0.332	0.592	0.002257751	0.004025869
-0.75	0.720	1.312	0.004896327	0.008922196
-0.50	1.144	2.456	0.007779720	0.016701916
-0.25	1.830	4.286	0.012444831	0.029146747
0.00	2.747	7.033	0.018680848	0.047827595
0.25	4.795	11.828	0.032608178	0.080435773
0.50	6.167	17.995	0.041938401	0.122374175
0.75	8.591	26.586	0.058422703	0.180796877
1.00	14.463	41.049	0.098354970	0.279151847
1.25	22.808	63.857	0.155104761	0.434256608
1.50	20.847	84.704	0.141769070	0.576025679
1.75	30.625	115.329	0.208263912	0.784289591
2.00	19.151	134.480	0.130235500	0.914525090
2.25	8.389	142.869	0.057049011	0.971574101
2.50	2.401	145.270	0.016327891	0.987901992
2.75	0.533	145.803	0.003624642	0.991526634
3.00	0.219	146.022	0.001489299	0.993015933
3.25	0.081	146.103	0.000550837	0.993566770
3.50	0.253	146.356	0.001720515	0.995287285
3.75	0.381	146.737	0.002590973	0.997878258
4.00	0.204	146.941	0.001387293	0.999265551
PAN	0.108	147.049	0.000734449	1.0

<b>TOTAL WT.</b>	147.049	grams	
<b>MEDIAN WT.</b>	73.525	grams	
<b>MEAN GRAIN SIZE</b>	1.37	phi	0.3869 mm

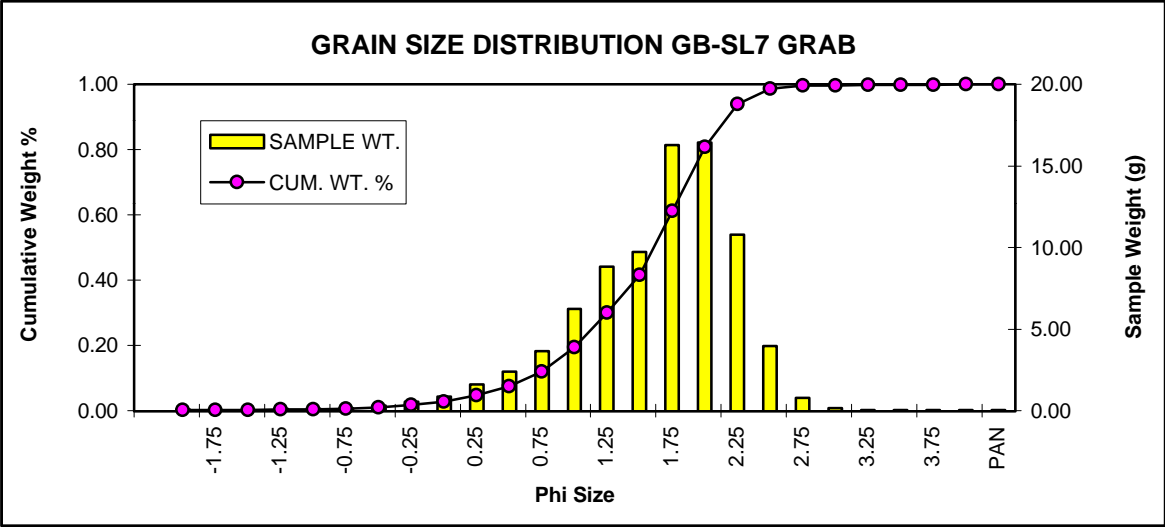


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL7 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.084	0.084	0.001008524	0.001008524
-1.75	0.021	0.105	0.000252131	0.001260656
-1.50	0.044	0.149	0.000528275	0.001788930
-1.25	0.100	0.249	0.001200624	0.002989555
-1.00	0.110	0.359	0.001320687	0.004310241
-0.75	0.162	0.521	0.001945011	0.006255253
-0.50	0.322	0.843	0.003866010	0.010121263
-0.25	0.549	1.392	0.006591428	0.016712691
0.00	0.874	2.266	0.010493457	0.027206147
0.25	1.627	3.893	0.019534158	0.046740305
0.50	2.377	6.270	0.028538840	0.075279145
0.75	3.645	9.915	0.043762757	0.119041902
1.00	6.225	16.140	0.074738864	0.193780766
1.25	8.806	24.946	0.105726978	0.299507744
1.50	9.732	34.678	0.116844759	0.416352503
1.75	16.266	50.944	0.195293553	0.611646056
2.00	16.417	67.361	0.197106495	0.808752551
2.25	10.786	78.147	0.129499340	0.938251891
2.50	3.956	82.103	0.047496698	0.985748589
2.75	0.780	82.883	0.009364870	0.995113459
3.00	0.159	83.042	0.001908993	0.997022452
3.25	0.035	83.077	0.000420219	0.997442670
3.50	0.056	83.133	0.000672350	0.998115020
3.75	0.050	83.183	0.000600312	0.998715332
4.00	0.051	83.234	0.000612318	0.999327650
PAN	0.056	83.290	0.000672350	1.0

<b>TOTAL WT.</b>	83.290	grams	
<b>MEDIAN WT.</b>	41.645	grams	
<b>MEAN GRAIN SIZE</b>	1.61	phi	0.3276 mm

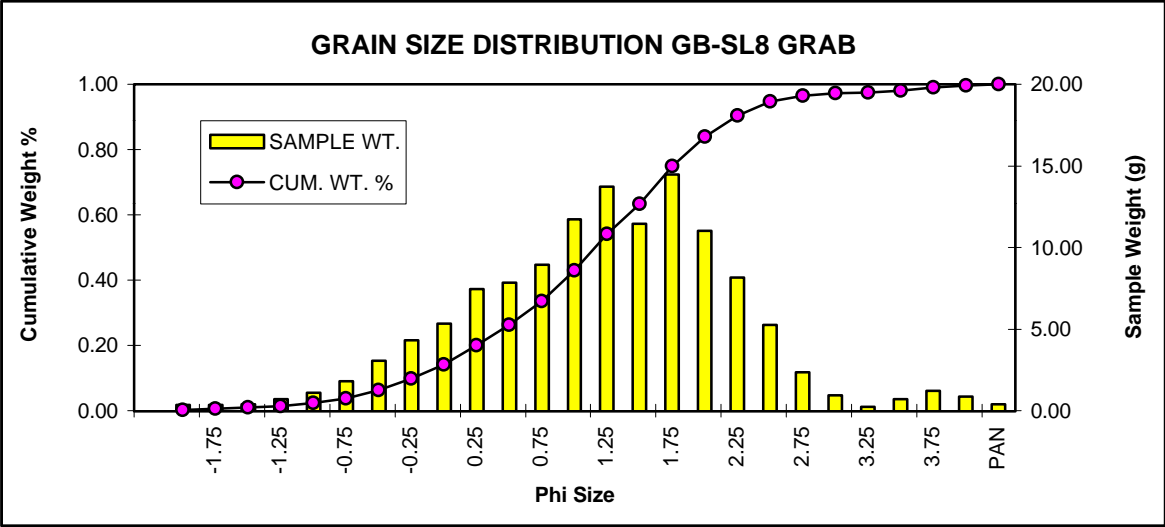


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL8 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.343	0.343	0.002764635	0.002764635
-1.75	0.353	0.696	0.002845237	0.005609872
-1.50	0.399	1.095	0.003216004	0.008825876
-1.25	0.697	1.792	0.005617932	0.014443809
-1.00	1.092	2.884	0.008801696	0.023245504
-0.75	1.796	4.680	0.014476049	0.037721554
-0.50	3.073	7.753	0.024768875	0.062490429
-0.25	4.320	12.073	0.034819896	0.097310324
0.00	5.331	17.404	0.042968719	0.140279043
0.25	7.445	24.849	0.060007899	0.200286942
0.50	7.835	32.684	0.063151362	0.263438303
0.75	8.934	41.618	0.072009479	0.335447782
1.00	11.717	53.335	0.094440907	0.429888689
1.25	13.710	67.045	0.110504808	0.540393497
1.50	11.458	78.503	0.092353325	0.632746822
1.75	14.487	92.990	0.116767553	0.749514375
2.00	11.017	104.007	0.088798794	0.838313169
2.25	8.151	112.158	0.065698373	0.904011542
2.50	5.249	117.407	0.042307785	0.946319327
2.75	2.364	119.771	0.019054221	0.965373548
3.00	0.929	120.700	0.007487890	0.972861438
3.25	0.237	120.937	0.001910258	0.974771696
3.50	0.689	121.626	0.005553451	0.980325147
3.75	1.208	122.834	0.009736675	0.990061821
4.00	0.856	123.690	0.006899498	0.996961319
PAN	0.377	124.067	0.003038681	1.0

<b>TOTAL WT.</b>	124.067	grams	
<b>MEDIAN WT.</b>	62.034	grams	
<b>MEAN GRAIN SIZE</b>	1.16	phi	0.4475 mm

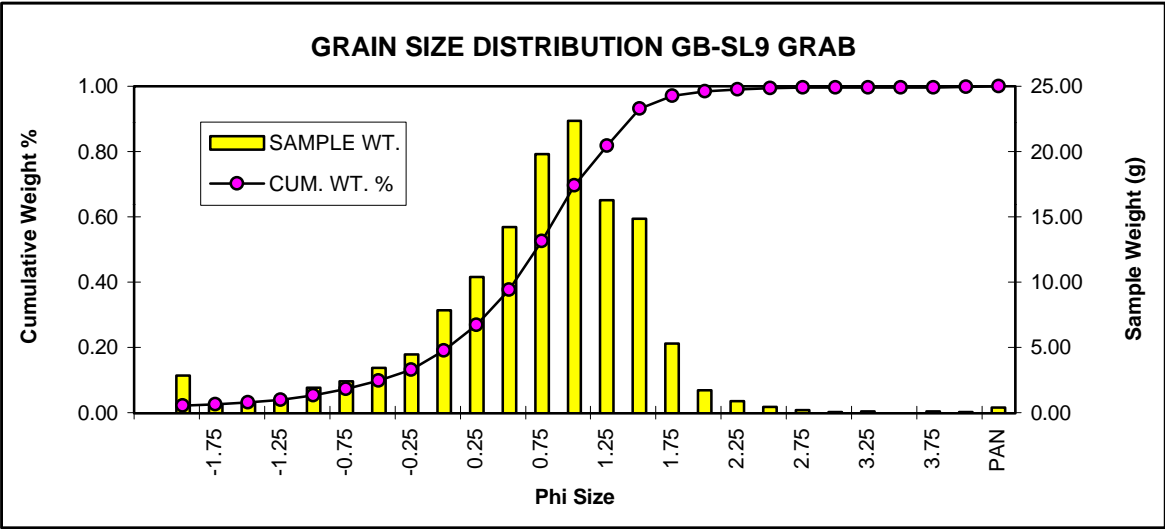


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL9 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	2.823	2.823	0.021355624	0.021355624
-1.75	0.582	3.405	0.004402754	0.025758378
-1.50	0.777	4.182	0.005877903	0.031636281
-1.25	0.997	5.179	0.007542174	0.039178455
-1.00	1.889	7.068	0.014290037	0.053468492
-0.75	2.415	9.483	0.018269158	0.071737650
-0.50	3.415	12.898	0.025834027	0.097571677
-0.25	4.455	17.353	0.033701490	0.131273167
0.00	7.820	25.173	0.059157274	0.190430441
0.25	10.383	35.556	0.078546032	0.268976473
0.50	14.201	49.757	0.107428701	0.376405174
0.75	19.816	69.573	0.149905439	0.526310614
1.00	22.329	91.902	0.168915954	0.695226568
1.25	16.270	108.172	0.123080415	0.818306982
1.50	14.849	123.021	0.112330736	0.930637718
1.75	5.277	128.298	0.039919812	0.970557531
2.00	1.722	130.020	0.013026704	0.983584235
2.25	0.887	130.907	0.006710039	0.990294273
2.50	0.437	131.344	0.003305848	0.993600121
2.75	0.209	131.553	0.001581058	0.995181179
3.00	0.027	131.580	0.000204251	0.995385430
3.25	0.085	131.665	0.000643014	0.996028444
3.50	0.007	131.672	0.000052954	0.996081398
3.75	0.084	131.756	0.000635449	0.996716847
4.00	0.057	131.813	0.000431198	0.997148044
PAN	0.377	132.190	0.002851956	1.0

<b>TOTAL WT.</b>	132.190	grams	
<b>MEDIAN WT.</b>	66.095	grams	
<b>MEAN GRAIN SIZE</b>	0.71	phi	0.6113 mm

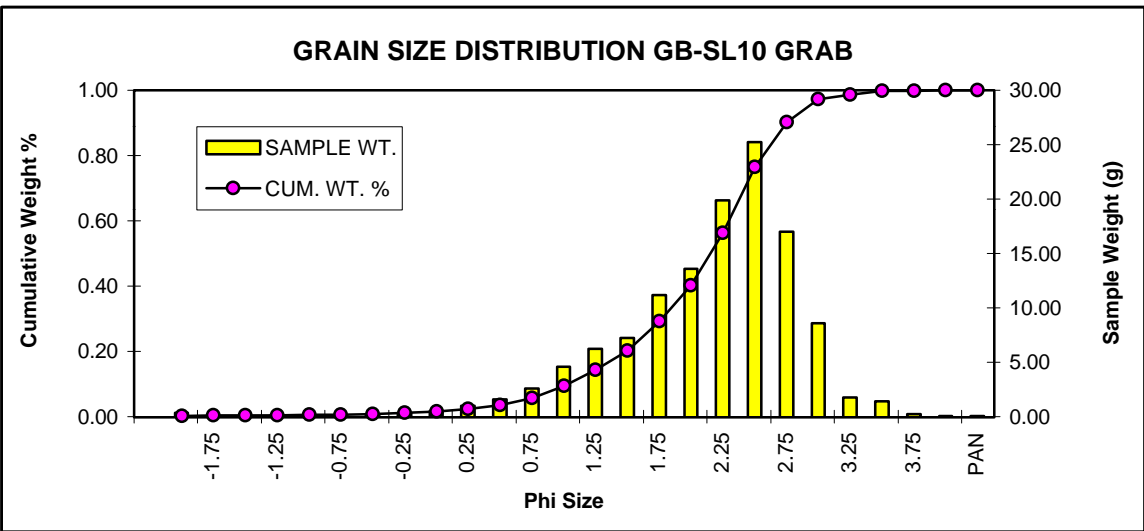


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL10 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.338	0.338	0.002725894	0.002725894
-1.75	0.052	0.390	0.000419368	0.003145263
-1.50	0.081	0.471	0.000653247	0.003798510
-1.25	0.136	0.607	0.001096810	0.004895319
-1.00	0.114	0.721	0.000919384	0.005814704
-0.75	0.099	0.820	0.000798413	0.006613117
-0.50	0.182	1.002	0.001467789	0.008080906
-0.25	0.359	1.361	0.002895255	0.010976161
0.00	0.511	1.872	0.004121101	0.015097261
0.25	0.982	2.854	0.007919610	0.023016872
0.50	1.580	4.434	0.012742347	0.035759218
0.75	2.570	7.004	0.020726475	0.056485693
1.00	4.593	11.597	0.037041517	0.093527211
1.25	6.263	17.860	0.050509694	0.144036904
1.50	7.207	25.067	0.058122843	0.202159747
1.75	11.151	36.218	0.089930320	0.292090067
2.00	13.580	49.798	0.109519662	0.401609729
2.25	19.871	69.669	0.160255170	0.561864899
2.50	25.255	94.924	0.203675925	0.765540824
2.75	16.993	111.917	0.137044743	0.902585567
3.00	8.559	120.476	0.069026420	0.971611987
3.25	1.754	122.230	0.014145618	0.985757605
3.50	1.402	123.632	0.011306816	0.997064421
3.75	0.212	123.844	0.001709733	0.998774154
4.00	0.085	123.929	0.000685506	0.999459660
PAN	0.067	123.996	0.000540340	1.0

<b>TOTAL WT.</b>	123.996	grams	
<b>MEDIAN WT.</b>	61.998	grams	
<b>MEAN GRAIN SIZE</b>	2.15	phi	0.2253 mm

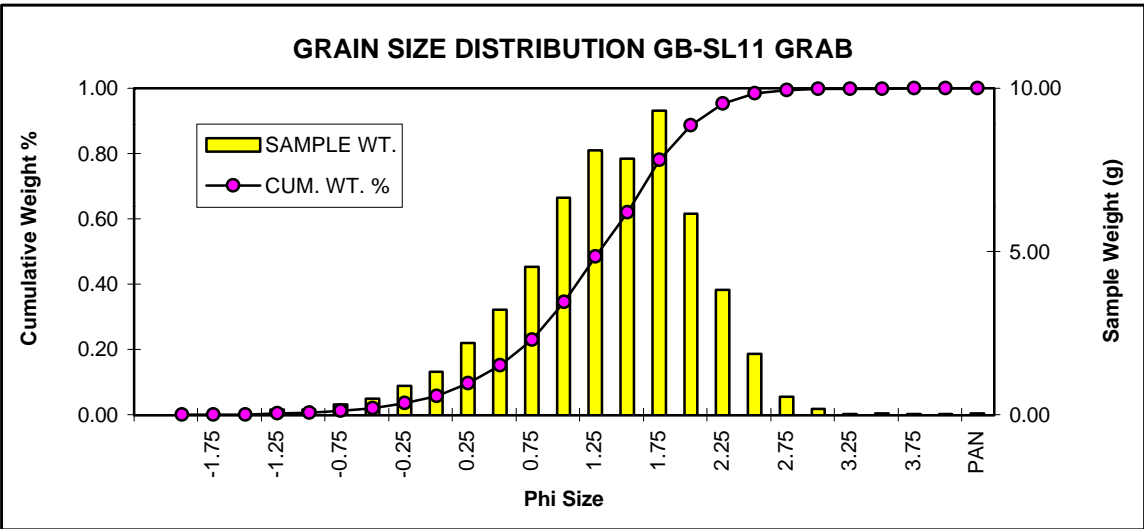


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL11 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.028	0.028	0.000483969	0.000483969
-1.50	0.000	0.028	0.000000000	0.000483969
-1.25	0.158	0.186	0.002730965	0.003214934
-1.00	0.155	0.341	0.002679112	0.005894045
-0.75	0.305	0.646	0.005271800	0.011165846
-0.50	0.484	1.130	0.008365742	0.019531588
-0.25	0.879	2.009	0.015193155	0.034724743
0.00	1.318	3.327	0.022781091	0.057505834
0.25	2.204	5.531	0.038095238	0.095601072
0.50	3.206	8.737	0.055414398	0.151015470
0.75	4.537	13.274	0.078420188	0.229435658
1.00	6.638	19.912	0.114735114	0.344170772
1.25	8.090	28.002	0.139832339	0.484003111
1.50	7.844	35.846	0.135580330	0.619583441
1.75	9.311	45.157	0.160936825	0.780520266
2.00	6.165	51.322	0.106559502	0.887079768
2.25	3.817	55.139	0.065975283	0.953055051
2.50	1.854	56.993	0.032045631	0.985100683
2.75	0.551	57.544	0.009523810	0.994624492
3.00	0.168	57.712	0.002903811	0.997528304
3.25	0.024	57.736	0.000414830	0.997943134
3.50	0.044	57.780	0.000760522	0.998703656
3.75	0.022	57.802	0.000380261	0.999083917
4.00	0.018	57.820	0.000311123	0.999395039
PAN	0.035	57.855	0.000604961	1.0

**TOTAL WT.** 57.855 grams  
**MEDIAN WT.** 28.928 grams  
**MEAN GRAIN SIZE** 1.28 phi 0.4118 mm

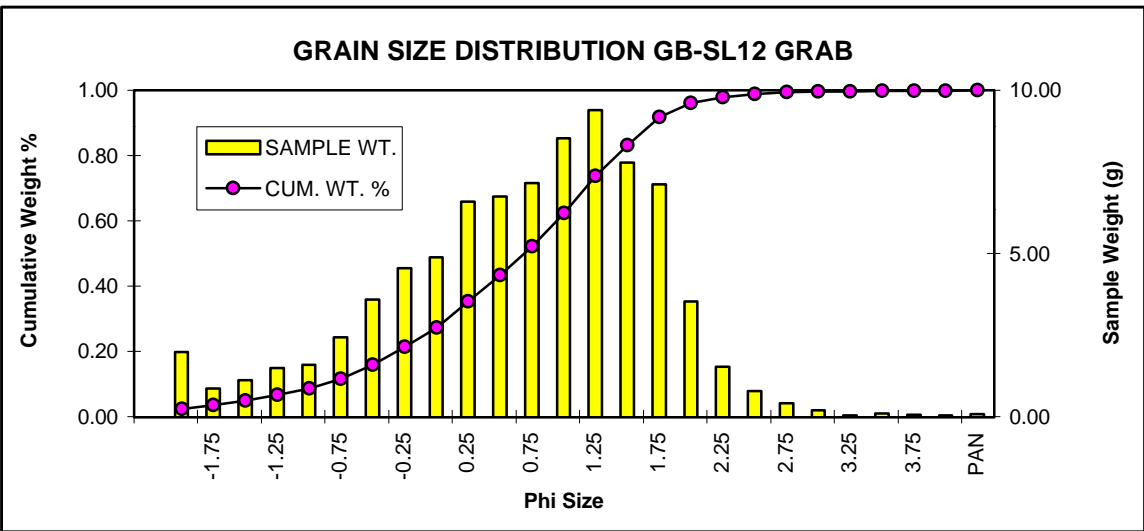


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL12 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.978	1.978	0.023941514	0.023941514
-1.75	0.872	2.850	0.010554601	0.034496115
-1.50	1.127	3.977	0.013641095	0.048137210
-1.25	1.488	5.465	0.018010603	0.066147813
-1.00	1.592	7.057	0.019269409	0.085417221
-0.75	2.422	9.479	0.029315646	0.114732867
-0.50	3.595	13.074	0.043513520	0.158246387
-0.25	4.558	17.632	0.055169576	0.213415963
0.00	4.889	22.521	0.059175966	0.272591929
0.25	6.588	29.109	0.079740492	0.352332422
0.50	6.748	35.857	0.081677116	0.434009538
0.75	7.160	43.017	0.086663923	0.520673461
1.00	8.527	51.544	0.103209954	0.623883415
1.25	9.394	60.938	0.113704035	0.737587451
1.50	7.779	68.717	0.094156237	0.831743688
1.75	7.121	75.838	0.086191871	0.917935559
2.00	3.526	79.364	0.042678351	0.960613910
2.25	1.527	80.891	0.018482655	0.979096565
2.50	0.787	81.678	0.009525769	0.988622334
2.75	0.415	82.093	0.005023118	0.993645453
3.00	0.204	82.297	0.002469196	0.996114648
3.25	0.045	82.342	0.000544675	0.996659324
3.50	0.093	82.435	0.001125663	0.997784986
3.75	0.054	82.489	0.000653611	0.998438597
4.00	0.046	82.535	0.000556779	0.998995376
PAN	0.083	82.618	0.001004624	1.0

<b>TOTAL WT.</b>	82.618	grams	
<b>MEDIAN WT.</b>	41.309	grams	
<b>MEAN GRAIN SIZE</b>	0.69	phi	0.6199 mm

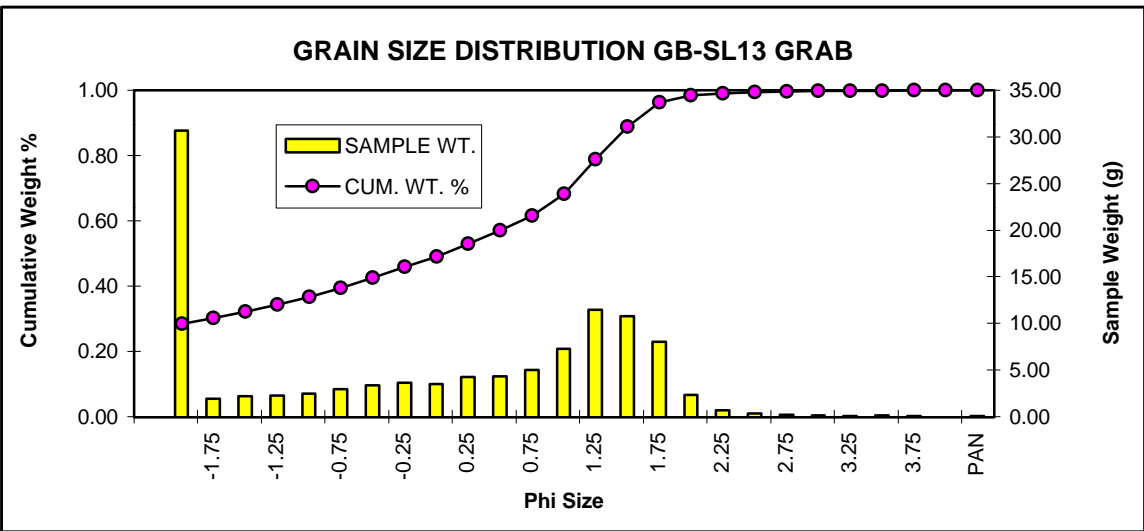


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL13 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	30.667	30.667	0.284003667	0.284003667
-1.75	1.944	32.611	0.018003167	0.302006835
-1.50	2.198	34.809	0.020355433	0.322362267
-1.25	2.254	37.063	0.020874043	0.343236310
-1.00	2.444	39.507	0.022633611	0.365869922
-0.75	2.962	42.469	0.027430752	0.393300673
-0.50	3.374	45.843	0.031246238	0.424546911
-0.25	3.612	49.455	0.033450329	0.457997240
0.00	3.500	52.955	0.032413110	0.490410350
0.25	4.252	57.207	0.039377298	0.529787648
0.50	4.301	61.508	0.039831081	0.569618729
0.75	4.994	66.502	0.046248877	0.615867606
1.00	7.251	73.753	0.067150702	0.683018309
1.25	11.435	85.188	0.105898260	0.788916569
1.50	10.801	95.989	0.100026857	0.888943425
1.75	8.048	104.037	0.074531631	0.963475056
2.00	2.309	106.346	0.021383392	0.984858447
2.25	0.661	107.007	0.006121447	0.990979895
2.50	0.357	107.364	0.003306137	0.994286032
2.75	0.179	107.543	0.001657699	0.995943731
3.00	0.121	107.664	0.001120568	0.997064298
3.25	0.048	107.712	0.000444523	0.997508821
3.50	0.138	107.850	0.001278003	0.998786824
3.75	0.042	107.892	0.000388957	0.999175781
4.00	0.026	107.918	0.000240783	0.999416564
PAN	0.063	107.981	0.000583436	1.0

<b>TOTAL WT.</b>	107.981	grams	
<b>MEDIAN WT.</b>	53.991	grams	
<b>MEAN GRAIN SIZE</b>	0.06	phi	0.9593 mm



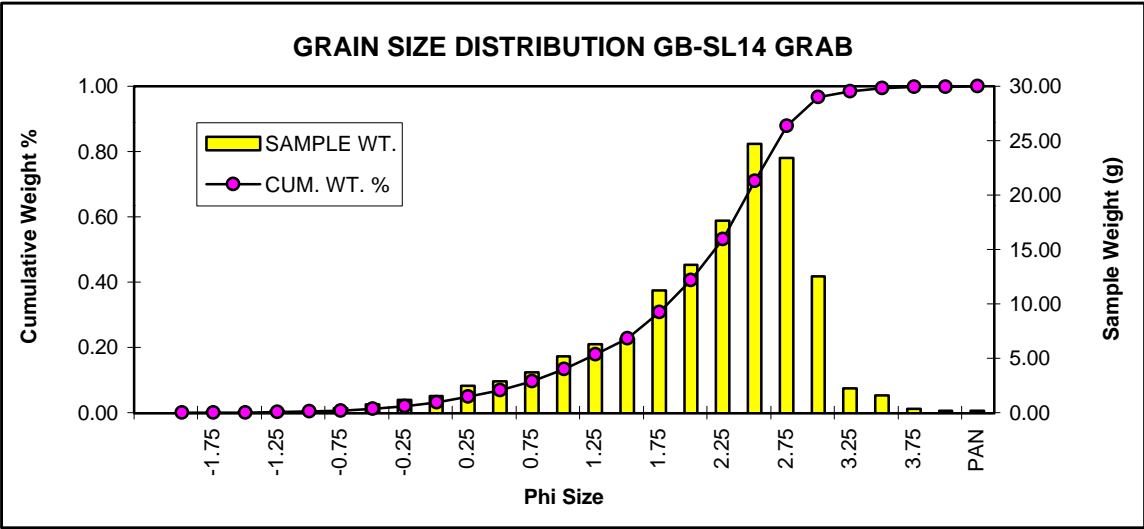


# GRAIN SIZE DISTRIBUTION CHART

## GB-SL14 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.052	0.052	0.000373142	0.000373142
-1.50	0.052	0.104	0.000373142	0.000746285
-1.25	0.165	0.269	0.001184009	0.001930294
-1.00	0.205	0.474	0.001471042	0.003401336
-0.75	0.405	0.879	0.002906205	0.006307541
-0.50	0.750	1.629	0.005381861	0.011689402
-0.25	1.161	2.790	0.008331121	0.020020523
0.00	1.516	4.306	0.010878535	0.030899058
0.25	2.476	6.782	0.017767317	0.048666375
0.50	2.911	9.693	0.020888796	0.069555171
0.75	3.681	13.374	0.026414174	0.095969345
1.00	5.190	18.564	0.037242478	0.133211823
1.25	6.270	24.834	0.044992358	0.178204181
1.50	6.811	31.645	0.048874473	0.227078654
1.75	11.253	42.898	0.080749442	0.307828096
2.00	13.579	56.477	0.097440387	0.405268483
2.25	17.645	74.122	0.126617249	0.531885732
2.50	24.733	98.855	0.177479423	0.709365156
2.75	23.435	122.290	0.168165216	0.877530372
3.00	12.551	134.841	0.090063649	0.967594021
3.25	2.255	137.096	0.016181462	0.983775483
3.50	1.566	138.662	0.011237326	0.995012809
3.75	0.325	138.987	0.002332140	0.997344949
4.00	0.170	139.157	0.001219888	0.998564837
PAN	0.200	139.357	0.001435163	1.0

<b>TOTAL WT.</b>	139.357	grams	
<b>MEDIAN WT.</b>	69.679	grams	
<b>MEAN GRAIN SIZE</b>	2.19	phi	0.2192 mm

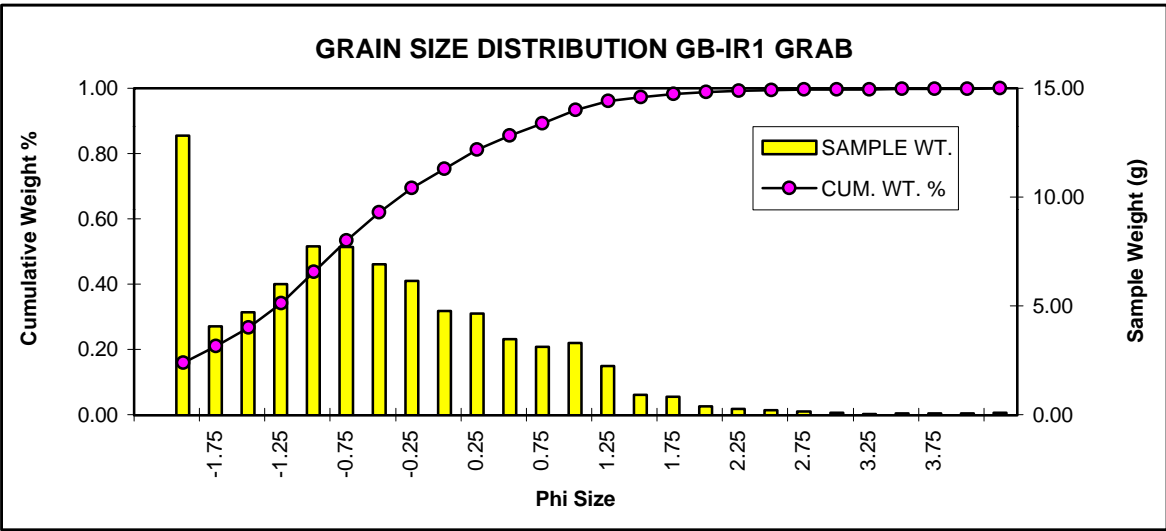


# GRAIN SIZE DISTRIBUTION CHART

## GB-IR1 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	12.830	12.830	0.158895288	0.158895288
-1.75	4.054	16.884	0.050207443	0.209102731
-1.50	4.717	21.601	0.058418478	0.267521209
-1.25	6.000	27.601	0.074308007	0.341829215
-1.00	7.732	35.333	0.095758251	0.437587467
-0.75	7.720	43.053	0.095609635	0.533197102
-0.50	6.907	49.960	0.085540900	0.618738002
-0.25	6.140	56.100	0.076041860	0.694779863
0.00	4.761	60.861	0.058963403	0.753743266
0.25	4.648	65.509	0.057563936	0.811307202
0.50	3.482	68.991	0.043123413	0.854430615
0.75	3.123	72.114	0.038677317	0.893107932
1.00	3.289	75.403	0.040733172	0.933841105
1.25	2.243	77.646	0.027778810	0.961619915
1.50	0.920	78.566	0.011393894	0.973013809
1.75	0.818	79.384	0.010130658	0.983144467
2.00	0.390	79.774	0.004830020	0.987974488
2.25	0.273	80.047	0.003381014	0.991355502
2.50	0.215	80.262	0.002662704	0.994018205
2.75	0.136	80.398	0.001684315	0.995702520
3.00	0.078	80.476	0.000966004	0.996668524
3.25	0.024	80.500	0.000297232	0.996965756
3.50	0.061	80.561	0.000755465	0.997721221
3.75	0.047	80.608	0.000582079	0.998303301
4.00	0.049	80.657	0.000606849	0.998910149
PAN	0.088	80.745	0.001089851	1.0

<b>TOTAL WT.</b>	80.745	grams	
<b>MEDIAN WT.</b>	40.373	grams	
<b>MEAN GRAIN SIZE</b>	-0.84	phi	1.7901 mm

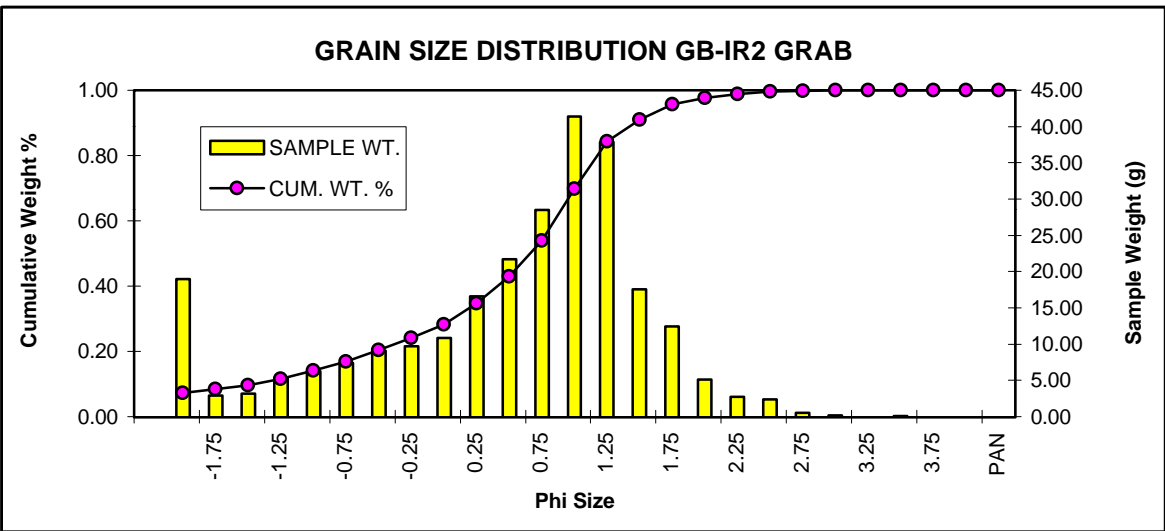


# GRAIN SIZE DISTRIBUTION CHART

## GB-IR2 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	18.976	18.976	0.072685765	0.072685765
-1.75	2.939	21.915	0.011257560	0.083943325
-1.50	3.136	25.051	0.012012150	0.095955475
-1.25	5.400	30.451	0.020684187	0.116639662
-1.00	6.229	36.680	0.023859593	0.140499255
-0.75	7.452	44.132	0.028544178	0.169043433
-0.50	9.084	53.216	0.034795399	0.203838832
-0.25	9.740	62.956	0.037308145	0.241146976
0.00	10.894	73.850	0.041728432	0.282875408
0.25	16.618	90.468	0.063653670	0.346529079
0.50	21.688	112.156	0.083073823	0.429602902
0.75	28.492	140.648	0.109135899	0.538738801
1.00	41.394	182.042	0.158555784	0.697294585
1.25	37.888	219.930	0.145126384	0.842420969
1.50	17.589	237.519	0.067372993	0.909793963
1.75	12.458	249.977	0.047719185	0.957513148
2.00	5.104	255.081	0.019550387	0.977063535
2.25	2.765	257.846	0.010591070	0.987654605
2.50	2.369	260.215	0.009074229	0.996728834
2.75	0.527	260.742	0.002018623	0.998747458
3.00	0.161	260.903	0.000616695	0.999364153
3.25	0.043	260.946	0.000164707	0.999528860
3.50	0.049	260.995	0.000187690	0.999716550
3.75	0.027	261.022	0.000103421	0.999819971
4.00	0.020	261.042	0.000076608	0.999896579
PAN	0.027	261.069	0.000103421	1.0

**TOTAL WT.** 261.069 grams  
**MEDIAN WT.** 130.535 grams  
**MEAN GRAIN SIZE** 0.66 phi 0.6329 mm

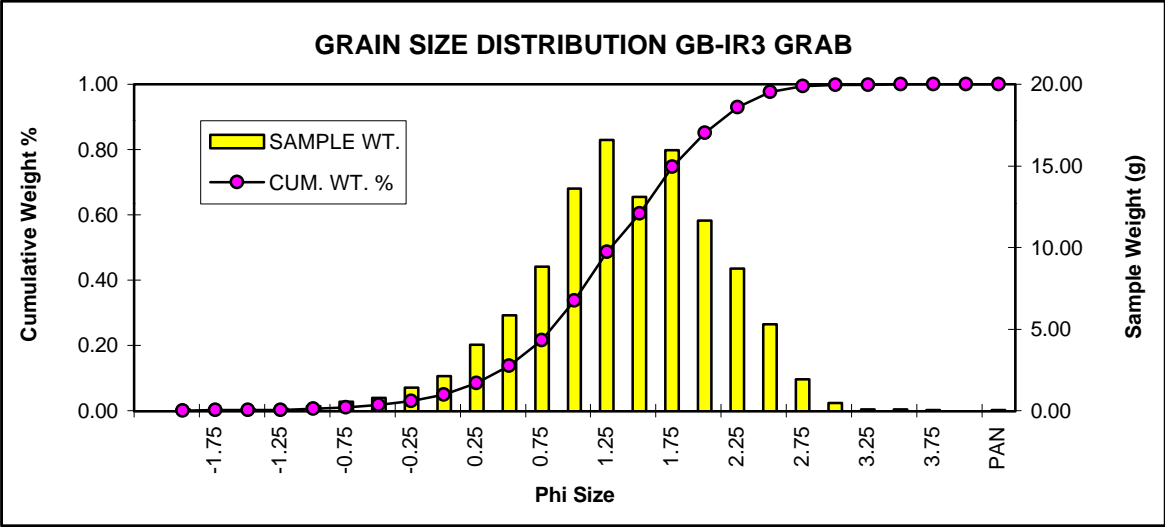


# GRAIN SIZE DISTRIBUTION CHART

## GB-IR3 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.075	0.075	0.000671057	0.000671057
-1.75	0.052	0.127	0.000465266	0.001136323
-1.50	0.067	0.194	0.000599477	0.001735800
-1.25	0.128	0.322	0.001145270	0.002881071
-1.00	0.272	0.594	0.002433700	0.005314770
-0.75	0.552	1.146	0.004938979	0.010253749
-0.50	0.767	1.913	0.006862675	0.017116424
-0.25	1.423	3.336	0.012732186	0.029848610
0.00	2.115	5.451	0.018923804	0.048772413
0.25	4.029	9.480	0.036049175	0.084821588
0.50	5.849	15.329	0.052333488	0.137155077
0.75	8.812	24.141	0.078844708	0.215999785
1.00	13.627	37.768	0.121926560	0.337926345
1.25	16.607	54.375	0.148589886	0.486516231
1.50	13.108	67.483	0.117282846	0.603799077
1.75	15.971	83.454	0.142899324	0.746698400
2.00	11.666	95.120	0.104380659	0.851079059
2.25	8.703	103.823	0.077869439	0.928948499
2.50	5.288	109.111	0.047313983	0.976262482
2.75	1.929	111.040	0.017259583	0.993522064
3.00	0.489	111.529	0.004375291	0.997897355
3.25	0.062	111.591	0.000554740	0.998452095
3.50	0.082	111.673	0.000733689	0.999185784
3.75	0.031	111.704	0.000277370	0.999463155
4.00	0.017	111.721	0.000152106	0.999615261
PAN	0.043	111.764	0.000384739	1.0

<b>TOTAL WT.</b>	111.764	grams	
<b>MEDIAN WT.</b>	55.882	grams	
<b>MEAN GRAIN SIZE</b>	1.28	phi	0.4118 mm

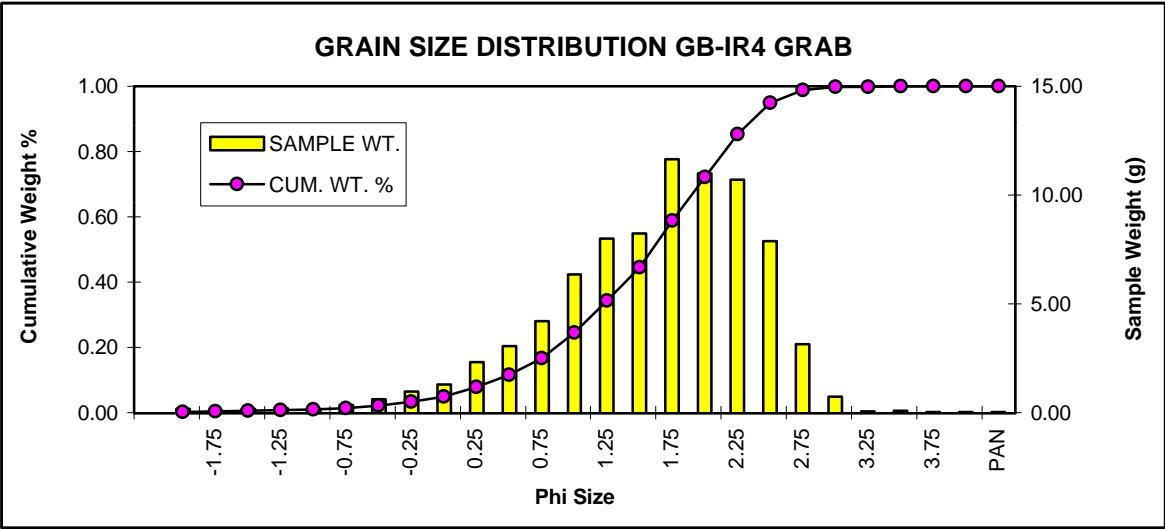


# GRAIN SIZE DISTRIBUTION CHART

## GB-IR4 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.185	0.185	0.002268241	0.002268241
-1.75	0.074	0.259	0.000907296	0.003175537
-1.50	0.181	0.440	0.002219198	0.005394735
-1.25	0.207	0.647	0.002537978	0.007932713
-1.00	0.179	0.826	0.002194676	0.010127389
-0.75	0.346	1.172	0.004242224	0.014369613
-0.50	0.620	1.792	0.007601672	0.021971285
-0.25	0.984	2.776	0.012064590	0.034035875
0.00	1.295	4.071	0.015877687	0.049913562
0.25	2.319	6.390	0.028432707	0.078346268
0.50	3.063	9.453	0.037554714	0.115900982
0.75	4.209	13.662	0.051605547	0.167506529
1.00	6.342	20.004	0.077757752	0.245264281
1.25	8.007	28.011	0.098171920	0.343436201
1.50	8.247	36.258	0.101114503	0.444550704
1.75	11.654	47.912	0.142886919	0.587437623
2.00	10.990	58.902	0.134745773	0.722183396
2.25	10.692	69.594	0.131092066	0.853275463
2.50	7.881	77.475	0.096627064	0.949902527
2.75	3.136	80.611	0.038449749	0.988352276
3.00	0.732	81.343	0.008974878	0.997327154
3.25	0.058	81.401	0.000711124	0.998038278
3.50	0.084	81.485	0.001029904	0.999068182
3.75	0.022	81.507	0.000269737	0.999337919
4.00	0.015	81.522	0.000183911	0.999521830
PAN	0.039	81.561	0.000478170	1.0

<b>TOTAL WT.</b>	81.561	grams	
<b>MEDIAN WT.</b>	40.781	grams	
<b>MEAN GRAIN SIZE</b>	1.6	phi	0.3299 mm

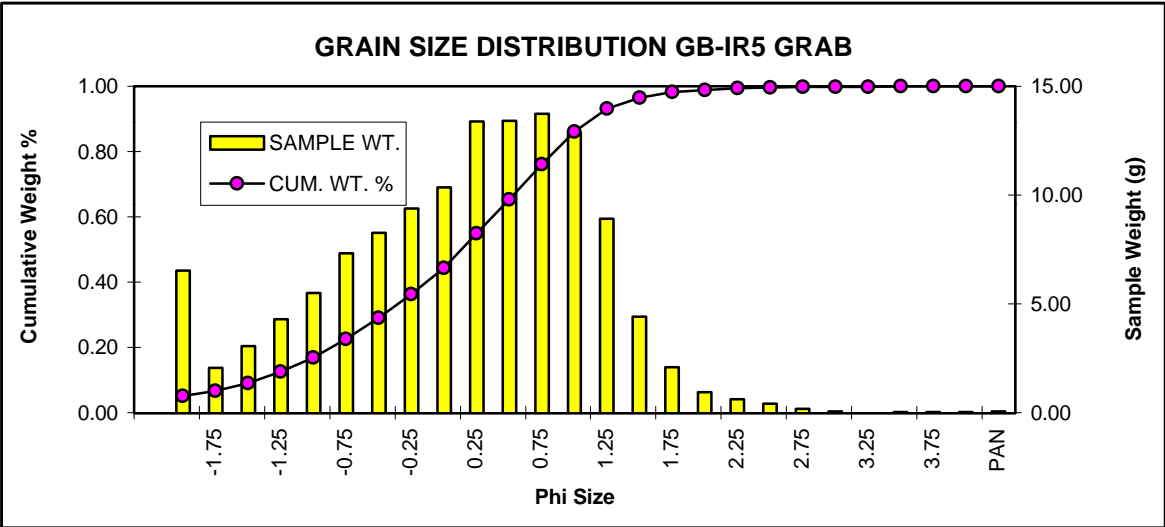


# GRAIN SIZE DISTRIBUTION CHART

## GB-IR5 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	6.521	6.521	0.050990726	0.050990726
-1.75	2.057	8.578	0.016084638	0.067075364
-1.50	3.063	11.641	0.023951019	0.091026383
-1.25	4.292	15.933	0.033561140	0.124587523
-1.00	5.507	21.440	0.043061789	0.167649313
-0.75	7.325	28.765	0.057277575	0.224926888
-0.50	8.264	37.029	0.064620052	0.289546940
-0.25	9.386	46.415	0.073393491	0.362940431
0.00	10.345	56.760	0.080892357	0.443832789
0.25	13.370	70.130	0.104546236	0.548379025
0.50	13.410	83.540	0.104859015	0.653238040
0.75	13.736	97.276	0.107408160	0.760646201
1.00	12.869	110.145	0.100628685	0.861274885
1.25	8.902	119.047	0.069608870	0.930883756
1.50	4.402	123.449	0.034421281	0.965305037
1.75	2.084	125.533	0.016295763	0.981600801
2.00	0.949	126.482	0.007420672	0.989021472
2.25	0.618	127.100	0.004832429	0.993853901
2.50	0.407	127.507	0.003182522	0.997036423
2.75	0.167	127.674	0.001305851	0.998342274
3.00	0.065	127.739	0.000508265	0.998850539
3.25	0.013	127.752	0.000101653	0.998952192
3.50	0.034	127.786	0.000265862	0.999218054
3.75	0.021	127.807	0.000164209	0.999382262
4.00	0.018	127.825	0.000140750	0.999523013
PAN	0.061	127.886	0.000476987	1.0

<b>TOTAL WT.</b>	127.886	grams	
<b>MEDIAN WT.</b>	63.943	grams	
<b>MEAN GRAIN SIZE</b>	0.13	phi	0.9138 mm

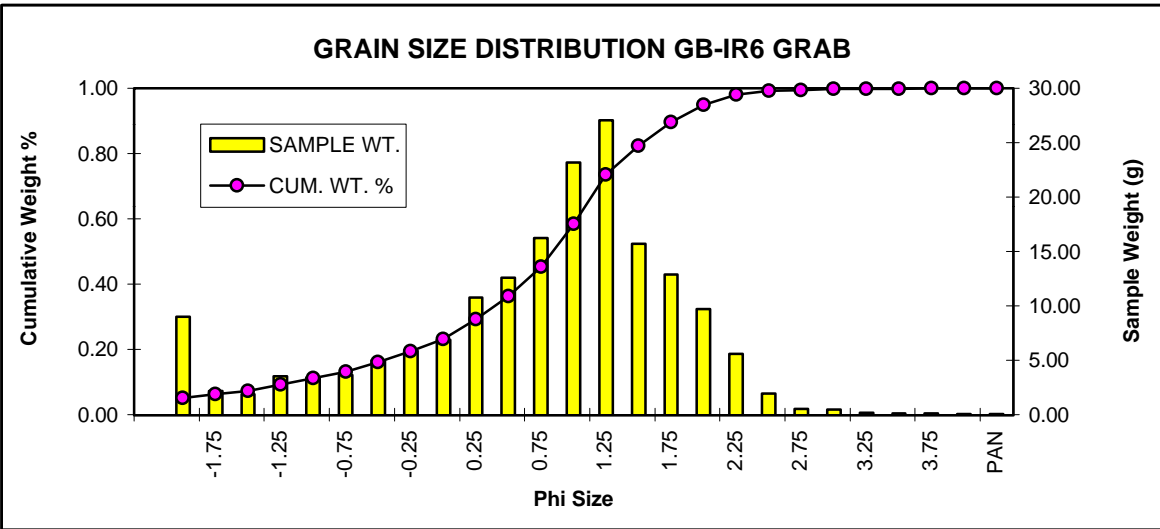


# GRAIN SIZE DISTRIBUTION CHART

## GB-IR6 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	8.994	8.994	0.050358625	0.050358625
-1.75	2.172	11.166	0.012161322	0.062519947
-1.50	1.905	13.071	0.010666353	0.073186300
-1.25	3.509	16.580	0.019647366	0.092833666
-1.00	3.419	19.999	0.019143444	0.111977111
-0.75	3.627	23.626	0.020308064	0.132285175
-0.50	4.980	28.606	0.027883695	0.160168870
-0.25	5.892	34.498	0.032990106	0.193158976
0.00	6.899	41.397	0.038628436	0.231787412
0.25	10.792	52.189	0.060425870	0.292213282
0.50	12.602	64.791	0.070560305	0.362773588
0.75	16.235	81.026	0.090901965	0.453675552
1.00	23.164	104.190	0.129698375	0.583373927
1.25	27.083	131.273	0.151641387	0.735015314
1.50	15.725	146.998	0.088046406	0.823061719
1.75	12.871	159.869	0.072066473	0.895128192
2.00	9.694	169.563	0.054278019	0.949406212
2.25	5.580	175.143	0.031243176	0.980649388
2.50	1.958	177.101	0.010963107	0.991612495
2.75	0.558	177.659	0.003124318	0.994736813
3.00	0.454	178.113	0.002542008	0.997278820
3.25	0.182	178.295	0.001019043	0.998297863
3.50	0.112	178.407	0.000627103	0.998924966
3.75	0.109	178.516	0.000610306	0.999535272
4.00	0.033	178.549	0.000184771	0.999720043
PAN	0.050	178.599	0.000279957	1.0

**TOTAL WT.** 178.599 grams  
**MEDIAN WT.** 89.300 grams  
**MEAN GRAIN SIZE** 0.76 phi 0.5905 mm

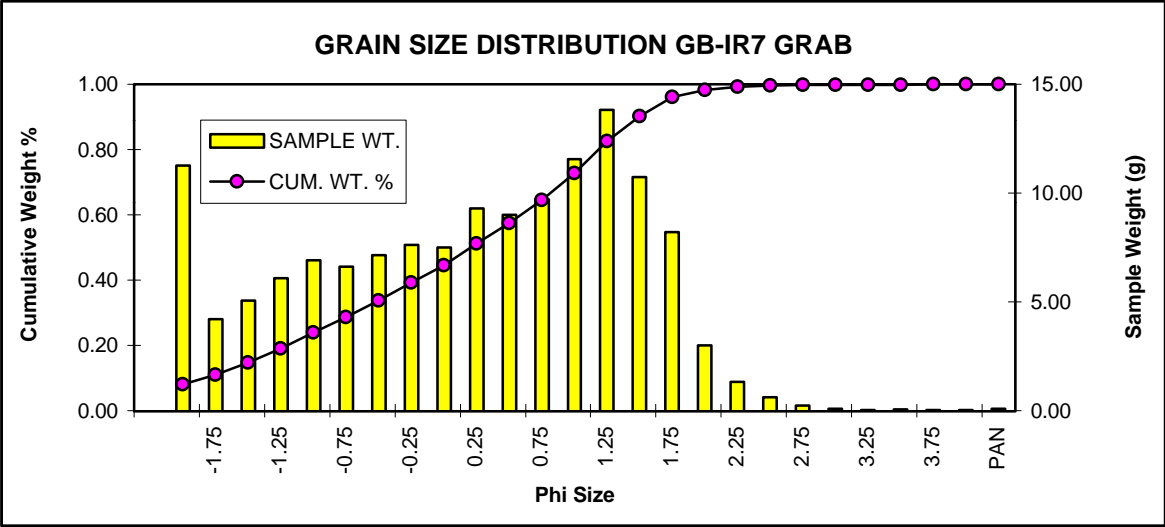


# GRAIN SIZE DISTRIBUTION CHART

## GB-IR7 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	11.272	11.272	0.080383376	0.080383376
-1.75	4.192	15.464	0.029894172	0.110277548
-1.50	5.067	20.531	0.036134010	0.146411558
-1.25	6.102	26.633	0.043514847	0.189926406
-1.00	6.906	33.539	0.049248367	0.239174773
-0.75	6.615	40.154	0.047173175	0.286347948
-0.50	7.155	47.309	0.051024047	0.337371994
-0.25	7.605	54.914	0.054233106	0.391605100
0.00	7.493	62.407	0.053434407	0.445039507
0.25	9.293	71.700	0.066270645	0.511310152
0.50	8.986	80.686	0.064081353	0.575391505
0.75	9.705	90.391	0.069208717	0.644600222
1.00	11.559	101.950	0.082430043	0.727030265
1.25	13.819	115.769	0.098546653	0.825576918
1.50	10.725	126.494	0.076482586	0.902059503
1.75	8.193	134.687	0.058426277	0.960485780
2.00	3.000	137.687	0.021393730	0.981879511
2.25	1.331	139.018	0.009491685	0.991371195
2.50	0.629	139.647	0.004485552	0.995856748
2.75	0.230	139.877	0.001640186	0.997496934
3.00	0.102	139.979	0.000727387	0.998224320
3.25	0.024	140.003	0.000171150	0.998395470
3.50	0.057	140.060	0.000406481	0.998801951
3.75	0.037	140.097	0.000263856	0.999065807
4.00	0.035	140.132	0.000249594	0.999315401
PAN	0.096	140.228	0.000684599	1.0

<b>TOTAL WT.</b>	140.228	grams	
<b>MEDIAN WT.</b>	70.114	grams	
<b>MEAN GRAIN SIZE</b>	0.21	phi	0.8645 mm



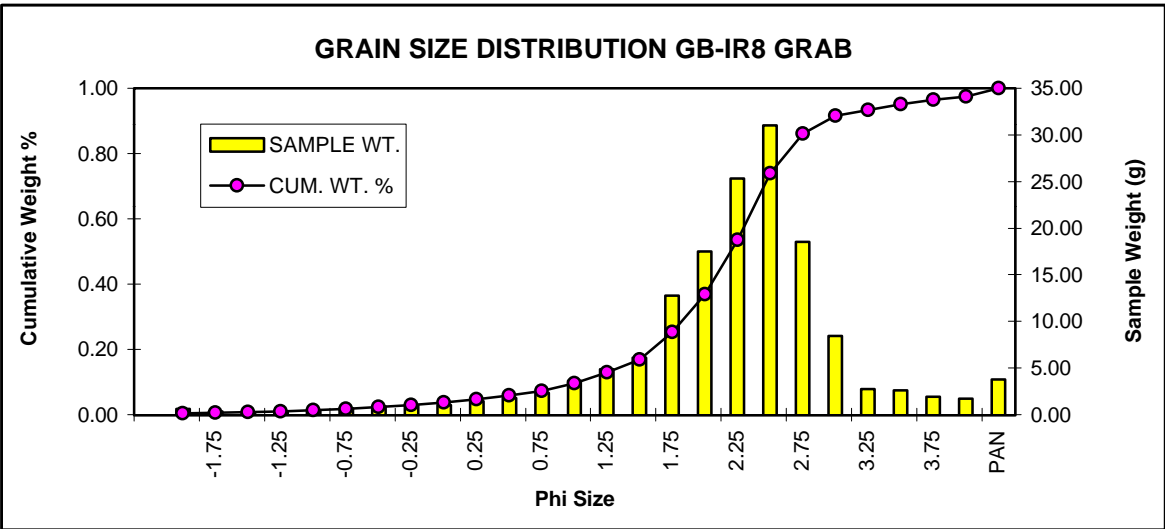


# GRAIN SIZE DISTRIBUTION CHART

## GB-IR8 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.585	0.585	0.003843576	0.003843576
-1.75	0.363	0.948	0.002384988	0.006228565
-1.50	0.217	1.165	0.001425737	0.007654302
-1.25	0.362	1.527	0.002378418	0.010032720
-1.00	0.496	2.023	0.003258827	0.013291547
-0.75	0.658	2.681	0.004323202	0.017614749
-0.50	0.879	3.560	0.005775220	0.023389969
-0.25	1.047	4.607	0.006879016	0.030268985
0.00	1.027	5.634	0.006747612	0.037016596
0.25	1.435	7.069	0.009428260	0.046444856
0.50	1.755	8.824	0.011530729	0.057975585
0.75	2.308	11.132	0.015164058	0.073139643
1.00	3.620	14.752	0.023784182	0.096923825
1.25	4.881	19.633	0.032069224	0.128993049
1.50	6.113	25.746	0.040163730	0.169156778
1.75	12.769	38.515	0.083895087	0.253051865
2.00	17.530	56.045	0.115175885	0.368227750
2.25	25.326	81.371	0.166397288	0.534625038
2.50	31.005	112.376	0.203709544	0.738334582
2.75	18.542	130.918	0.121824943	0.860159525
3.00	8.461	139.379	0.055590597	0.915750122
3.25	2.748	142.127	0.018054953	0.933805075
3.50	2.614	144.741	0.017174544	0.950979619
3.75	1.955	146.696	0.012844772	0.963824391
4.00	1.699	148.395	0.011162797	0.974987188
PAN	3.807	152.202	0.025012812	1.0

**TOTAL WT.** 152.202 grams  
**MEDIAN WT.** 76.101 grams  
**MEAN GRAIN SIZE** 2.2 phi 0.2176 mm

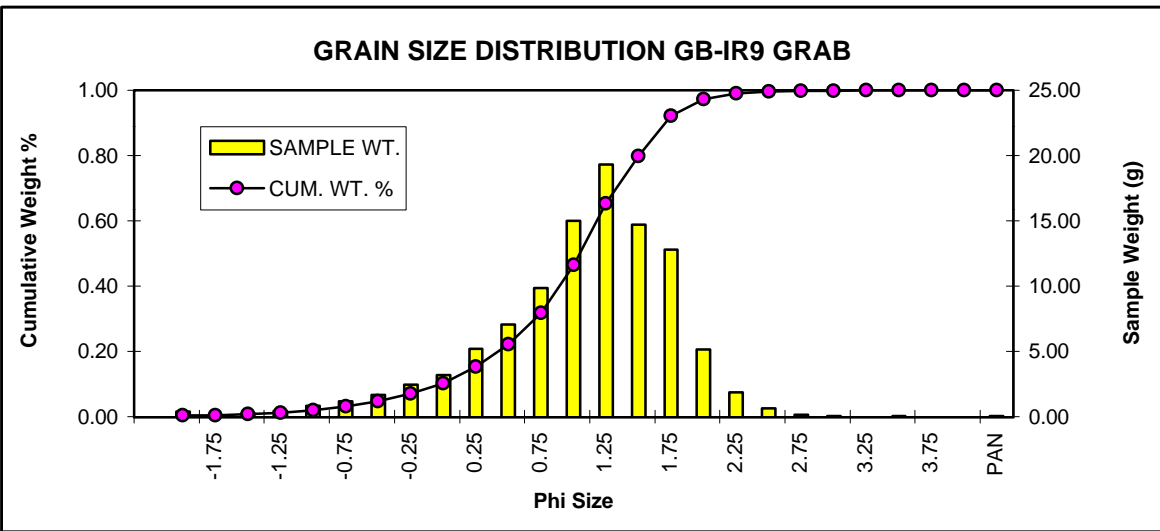


# GRAIN SIZE DISTRIBUTION CHART

## GB-IR9 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.384	0.384	0.003752565	0.003752565
-1.75	0.046	0.430	0.000449526	0.004202091
-1.50	0.301	0.731	0.002941464	0.007143555
-1.25	0.452	1.183	0.004417082	0.011560637
-1.00	0.810	1.993	0.007915567	0.019476204
-0.75	1.172	3.165	0.011453142	0.030929346
-0.50	1.657	4.822	0.016192710	0.047122056
-0.25	2.447	7.269	0.023912831	0.071034887
0.00	3.178	10.447	0.031056386	0.102091273
0.25	5.202	15.649	0.050835532	0.152926805
0.50	7.071	22.720	0.069099971	0.222026776
0.75	9.847	32.567	0.096227890	0.318254666
1.00	14.981	47.548	0.146398906	0.464653572
1.25	19.321	66.869	0.188810710	0.653464282
1.50	14.711	81.580	0.143760383	0.797224665
1.75	12.805	94.385	0.125134369	0.922359034
2.00	5.146	99.531	0.050288283	0.972647318
2.25	1.845	101.376	0.018029903	0.990677221
2.50	0.623	101.999	0.006088146	0.996765367
2.75	0.162	102.161	0.001583113	0.998348480
3.00	0.061	102.222	0.000596111	0.998944591
3.25	0.009	102.231	0.000087951	0.999032542
3.50	0.034	102.265	0.000332258	0.999364800
3.75	0.017	102.282	0.000166129	0.999530929
4.00	0.013	102.295	0.000127040	0.999657969
PAN	0.035	102.330	0.000342031	1.0

**TOTAL WT.** 102.330 grams  
**MEDIAN WT.** 51.165 grams  
**MEAN GRAIN SIZE** 1.05 phi 0.4830 mm

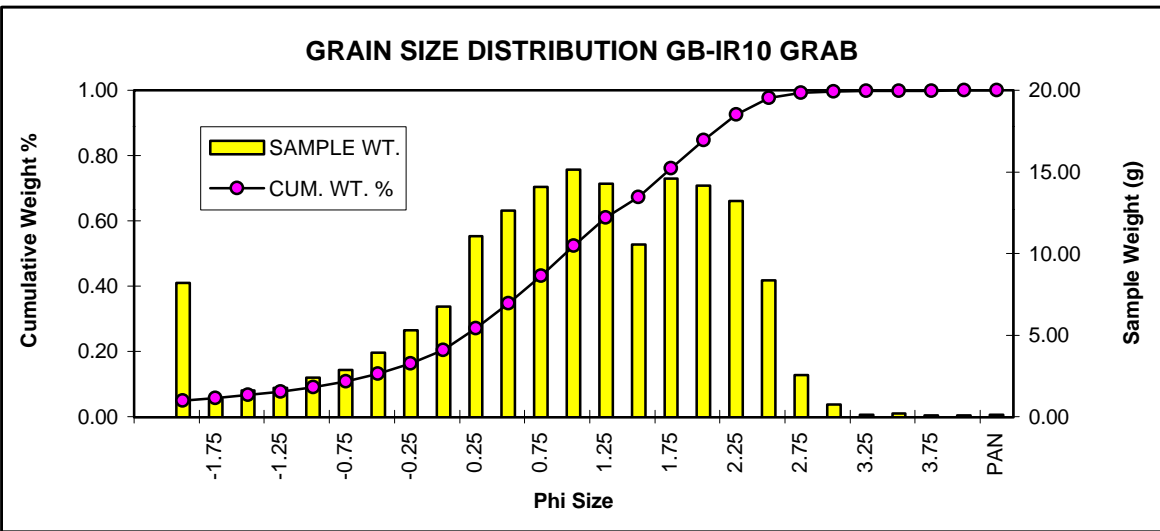


# GRAIN SIZE DISTRIBUTION CHART

## GB-IR10 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	8.192	8.192	0.049410953	0.049410953
-1.75	1.104	9.296	0.006658898	0.056069851
-1.50	1.601	10.897	0.009656608	0.065726459
-1.25	1.753	12.650	0.010573413	0.076299872
-1.00	2.406	15.056	0.014512055	0.090811927
-0.75	2.856	17.912	0.017226279	0.108038207
-0.50	3.923	21.835	0.023662008	0.131700214
-0.25	5.309	27.144	0.032021820	0.163722034
0.00	6.727	33.871	0.040574644	0.204296678
0.25	11.074	44.945	0.066794054	0.271090732
0.50	12.633	57.578	0.076197335	0.347288067
0.75	14.066	71.644	0.084840633	0.432128700
1.00	15.128	86.772	0.091247409	0.523376110
1.25	14.278	101.050	0.086119334	0.609495444
1.50	10.559	111.609	0.063687775	0.673183219
1.75	14.572	126.181	0.087892628	0.761075846
2.00	14.176	140.357	0.085504110	0.846579956
2.25	13.218	153.575	0.079725827	0.926305783
2.50	8.346	161.921	0.050339821	0.976645604
2.75	2.541	164.462	0.015326322	0.991971926
3.00	0.733	165.195	0.004421170	0.996393097
3.25	0.131	165.326	0.000790141	0.997183238
3.50	0.189	165.515	0.001139974	0.998323212
3.75	0.080	165.595	0.000482529	0.998805741
4.00	0.062	165.657	0.000373960	0.999179701
PAN	0.136	165.793	0.000820299	1.0

<b>TOTAL WT.</b>	165.793	grams	
<b>MEDIAN WT.</b>	82.897	grams	
<b>MEAN GRAIN SIZE</b>	0.94	phi	0.5212 mm

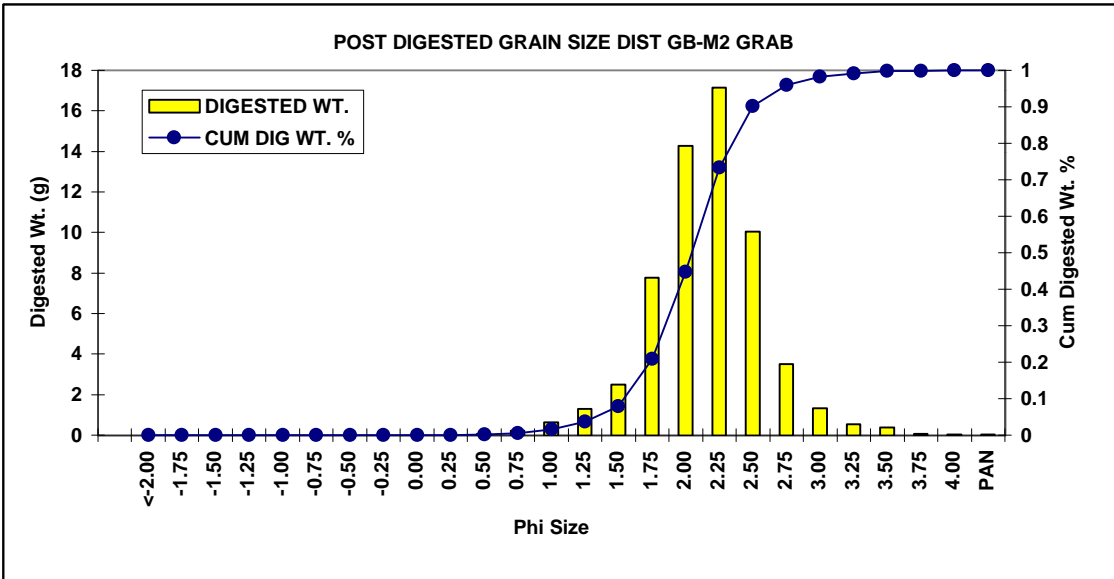


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M2 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.344	0.000	0.000	0.000000000	0.000000000
-1.75	0.136	0.000	0.000	0.000000000	0.000000000
-1.50	0.239	0.000	0.000	0.000000000	0.000000000
-1.25	0.274	0.000	0.000	0.000000000	0.000000000
-1.00	0.449	0.000	0.000	0.000000000	0.000000000
-0.75	0.643	0.000	0.000	0.000000000	0.000000000
-0.50	0.945	0.000	0.000	0.000000000	0.000000000
-0.25	1.245	0.000	0.000	0.000000000	0.000000000
0.00	1.521	0.000	0.000	0.000000000	0.000000000
0.25	2.402	0.000	0.000	0.000000000	0.000000000
0.50	2.965	0.056	0.056	0.000936439	0.000936439
0.75	4.187	0.227	0.283	0.003795923	0.004732362
1.00	7.056	0.616	0.899	0.010300831	0.015033193
1.25	10.879	1.309	2.208	0.021889266	0.036922459
1.50	13.158	2.501	4.709	0.041822043	0.078744503
1.75	25.500	7.774	12.483	0.129997826	0.208742329
2.00	41.008	14.281	26.764	0.238808716	0.447551044
2.25	55.205	17.135	43.899	0.286533670	0.734084714
2.50	38.279	10.032	53.931	0.167756392	0.901841106
2.75	13.329	3.490	57.421	0.058360228	0.960201334
3.00	3.955	1.327	58.748	0.022190264	0.982391599
3.25	0.700	0.540	59.288	0.009029949	0.991421548
3.50	0.421	0.383	59.671	0.006404575	0.997826123
3.75	0.091	0.065	59.736	0.001086938	0.998913062
4.00	0.050	0.036	59.772	0.000601997	0.999515058
PAN	0.046	0.029	59.801	0.000484942	1.0

**TOTAL WT.** 225.027 grams  
**DIGESTED WT.** 59.801 grams  
**% SILICA** 26.575

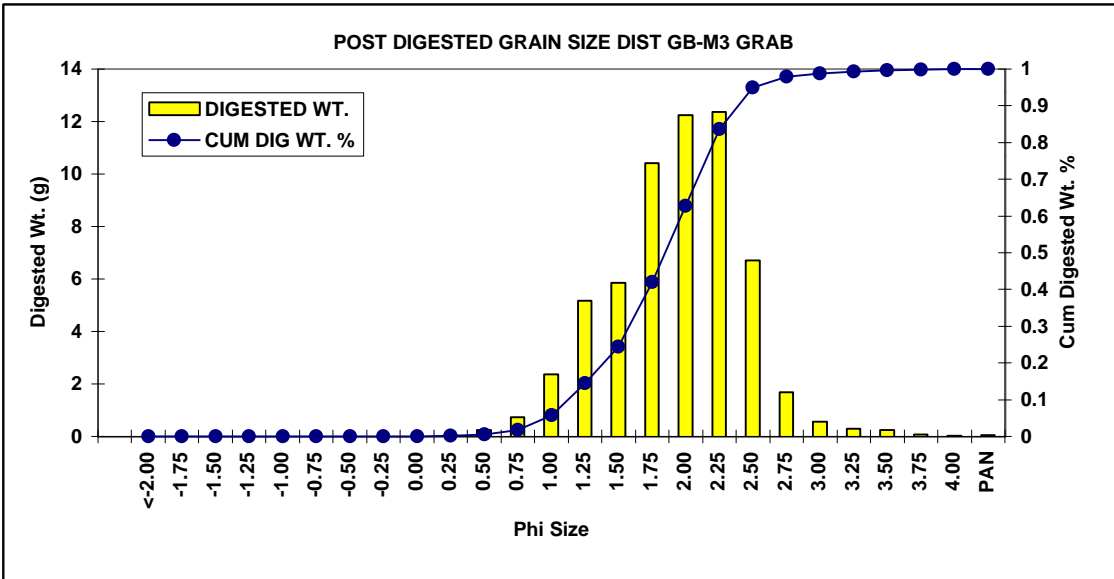


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M3 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.273	0.000	0.000	0.000000000	0.000000000
-1.75	0.149	0.000	0.000	0.000000000	0.000000000
-1.50	0.292	0.000	0.000	0.000000000	0.000000000
-1.25	0.509	0.000	0.000	0.000000000	0.000000000
-1.00	0.858	0.000	0.000	0.000000000	0.000000000
-0.75	1.525	0.000	0.000	0.000000000	0.000000000
-0.50	2.455	0.000	0.000	0.000000000	0.000000000
-0.25	3.716	0.000	0.000	0.000000000	0.000000000
0.00	4.915	0.000	0.000	0.000000000	0.000000000
0.25	8.828	0.052	0.052	0.000880550	0.000880550
0.50	10.779	0.234	0.286	0.003962475	0.004843025
0.75	14.585	0.728	1.014	0.012327700	0.017170725
1.00	21.572	2.365	3.379	0.040048092	0.057218817
1.25	29.375	5.173	8.552	0.087597792	0.144816609
1.50	24.744	5.843	14.395	0.098943340	0.243759949
1.75	30.574	10.411	24.806	0.176296271	0.420056220
2.00	35.333	12.247	37.053	0.207386460	0.627442680
2.25	32.708	12.372	49.425	0.209503167	0.836945846
2.50	19.523	6.696	56.121	0.113387747	0.950333593
2.75	6.013	1.679	57.800	0.028431605	0.978765198
3.00	1.695	0.559	58.359	0.009465913	0.988231111
3.25	0.328	0.303	58.662	0.005130897	0.993362008
3.50	0.245	0.232	58.894	0.003928608	0.997290615
3.75	0.095	0.085	58.979	0.001439361	0.998729976
4.00	0.042	0.026	59.005	0.000440275	0.999170251
PAN	0.058	0.049	59.054	0.000829749	1.0

**TOTAL WT.** 251.189 grams  
**DIGESTED WT.** 59.054 grams  
**% SILICA** 23.510

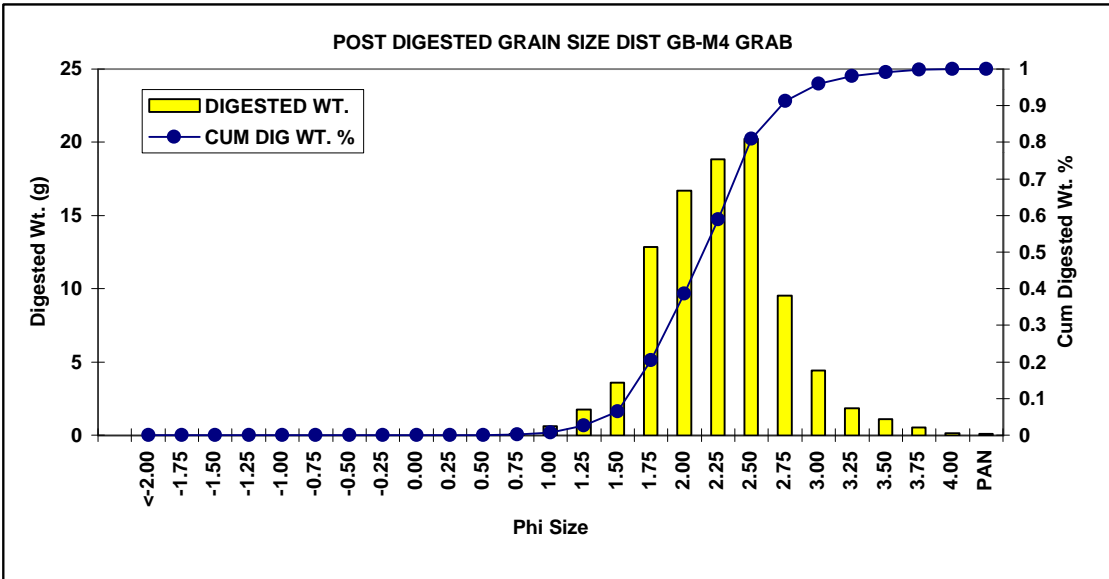


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M4 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.032	0.000	0.000	0.000000000	0.000000000
-1.25	0.017	0.000	0.000	0.000000000	0.000000000
-1.00	0.076	0.000	0.000	0.000000000	0.000000000
-0.75	0.114	0.000	0.000	0.000000000	0.000000000
-0.50	0.162	0.000	0.000	0.000000000	0.000000000
-0.25	0.296	0.000	0.000	0.000000000	0.000000000
0.00	0.401	0.000	0.000	0.000000000	0.000000000
0.25	0.718	0.000	0.000	0.000000000	0.000000000
0.50	1.169	0.004	0.004	0.000043324	0.000043324
0.75	2.067	0.097	0.101	0.001050602	0.001093926
1.00	4.787	0.602	0.703	0.006520232	0.007614158
1.25	9.604	1.761	2.464	0.019073304	0.026687462
1.50	13.516	3.581	6.045	0.038785634	0.065473096
1.75	30.487	12.852	18.897	0.139199376	0.204672472
2.00	41.161	16.713	35.610	0.181017676	0.385690148
2.25	58.027	18.857	54.467	0.204239234	0.589929382
2.50	49.944	20.236	74.703	0.219175115	0.809104497
2.75	21.185	9.517	84.220	0.103078156	0.912182653
3.00	10.561	4.415	88.635	0.047818647	0.960001300
3.25	2.725	1.842	90.477	0.019950611	0.979951911
3.50	1.694	1.109	91.586	0.012011524	0.991963435
3.75	0.541	0.522	92.108	0.005653756	0.997617191
4.00	0.160	0.141	92.249	0.001527164	0.999144355
PAN	0.085	0.079	92.328	0.000855645	1.0

**TOTAL WT.** 249.529 grams  
**DIGESTED WT.** 92.328 grams  
**% SILICA** 37.001

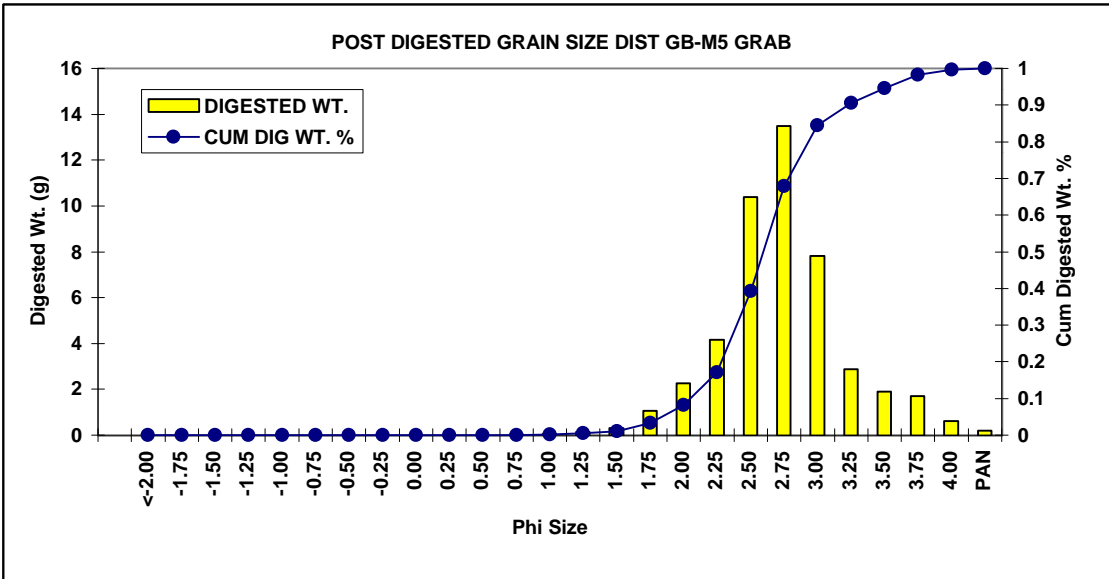


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M5 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.032	0.000	0.000	0.000000000	0.000000000
-1.00	0.047	0.000	0.000	0.000000000	0.000000000
-0.75	0.099	0.000	0.000	0.000000000	0.000000000
-0.50	0.234	0.000	0.000	0.000000000	0.000000000
-0.25	0.307	0.000	0.000	0.000000000	0.000000000
0.00	0.348	0.000	0.000	0.000000000	0.000000000
0.25	0.492	0.000	0.000	0.000000000	0.000000000
0.50	0.515	0.008	0.008	0.000170108	0.000170108
0.75	0.623	0.020	0.028	0.000425270	0.000595377
1.00	0.883	0.061	0.089	0.001297072	0.001892449
1.25	1.240	0.128	0.217	0.002721725	0.004614174
1.50	1.494	0.307	0.524	0.006527887	0.011142061
1.75	3.714	1.075	1.599	0.022858236	0.034000298
2.00	7.005	2.274	3.873	0.048353144	0.082353441
2.25	19.718	4.172	8.045	0.088711221	0.171064662
2.50	72.858	10.381	18.426	0.220736142	0.391800804
2.75	50.887	13.492	31.918	0.286886815	0.678687618
3.00	23.970	7.827	39.745	0.166429225	0.845116843
3.25	6.141	2.877	42.622	0.061175020	0.906291862
3.50	3.333	1.894	44.516	0.040273023	0.946564885
3.75	1.744	1.701	46.217	0.036169172	0.982734058
4.00	0.627	0.621	46.838	0.013204618	0.995938676
PAN	0.265	0.191	47.029	0.004061324	1.0

<b>TOTAL WT.</b>	196.576	grams
<b>DIGESTED WT.</b>	47.029	grams
<b>% SILICA</b>	23.924	

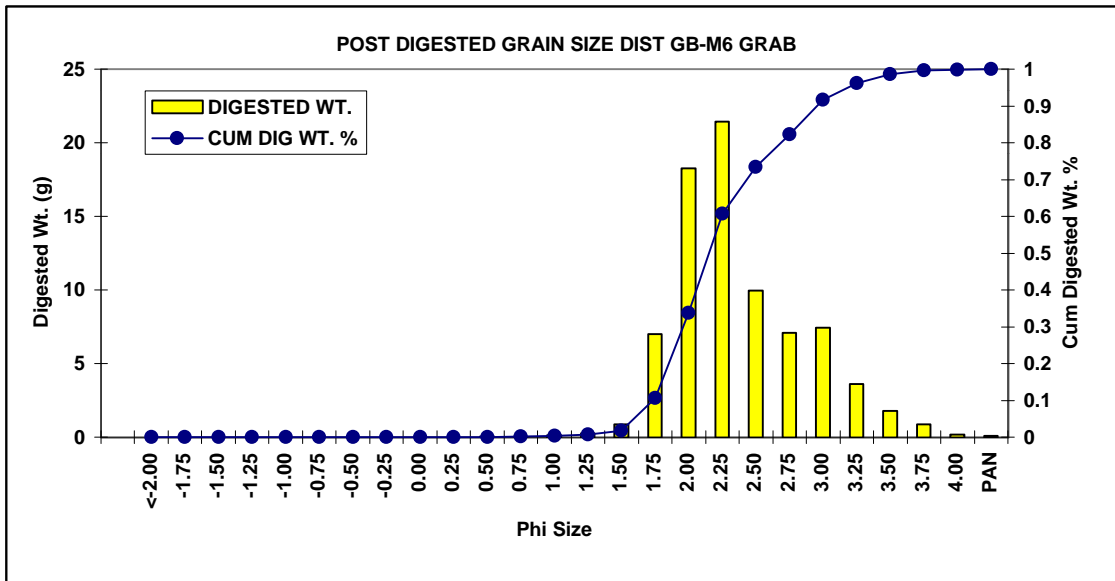


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M6 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.047	0.000	0.000	0.000000000	0.000000000
-1.50	0.041	0.000	0.000	0.000000000	0.000000000
-1.25	0.093	0.000	0.000	0.000000000	0.000000000
-1.00	0.193	0.000	0.000	0.000000000	0.000000000
-0.75	0.251	0.000	0.000	0.000000000	0.000000000
-0.50	0.334	0.000	0.000	0.000000000	0.000000000
-0.25	0.462	0.000	0.000	0.000000000	0.000000000
0.00	0.557	0.000	0.000	0.000000000	0.000000000
0.25	0.827	0.008	0.008	0.000101184	0.000101184
0.50	1.014	0.023	0.031	0.000290904	0.000392087
0.75	1.445	0.065	0.096	0.000822119	0.001214206
1.00	2.502	0.150	0.246	0.001897197	0.003111403
1.25	4.168	0.246	0.492	0.003111403	0.006222807
1.50	6.331	0.870	1.362	0.011003744	0.017226551
1.75	20.626	6.994	8.356	0.088459982	0.105686532
2.00	52.260	18.258	26.614	0.230926844	0.336613377
2.25	62.815	21.415	48.029	0.270856521	0.607469898
2.50	38.904	9.945	57.974	0.125784175	0.733254073
2.75	23.111	7.068	65.042	0.089395932	0.822650005
3.00	16.331	7.444	72.486	0.094151573	0.916801578
3.25	5.060	3.619	76.105	0.045773045	0.962574623
3.50	2.873	1.799	77.904	0.022753719	0.985328342
3.75	0.912	0.890	78.794	0.011256703	0.996585045
4.00	0.201	0.191	78.985	0.002415764	0.999000809
PAN	0.089	0.079	79.064	0.000999191	1.0

**TOTAL WT.** 241.447 grams  
**DIGESTED WT.** 79.064 grams  
**% SILICA** 32.746



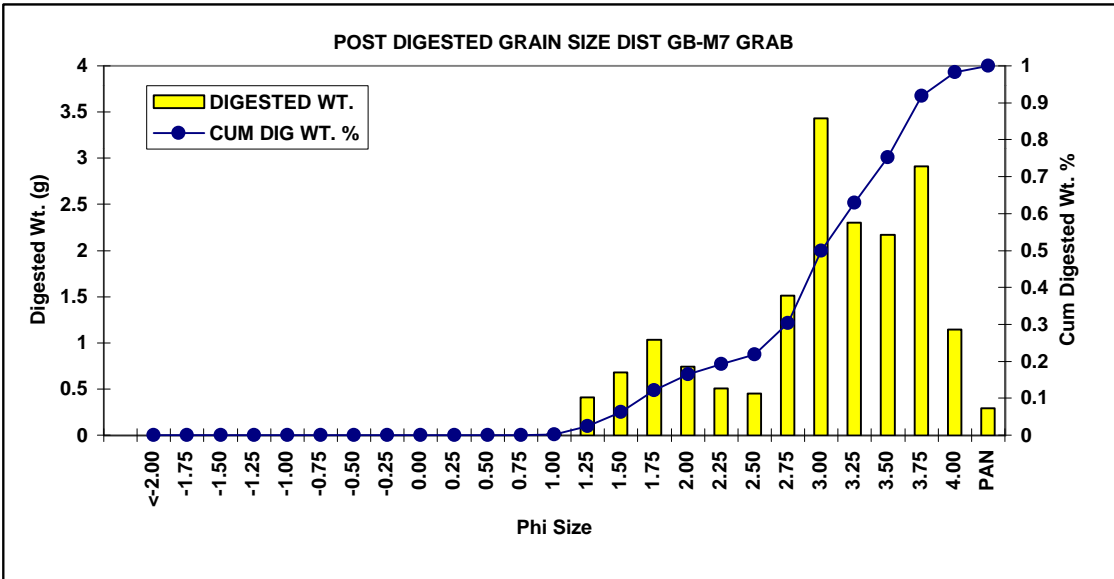


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M7 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.895	0.000	0.000	0.000000000	0.000000000
-1.75	0.102	0.000	0.000	0.000000000	0.000000000
-1.50	0.091	0.000	0.000	0.000000000	0.000000000
-1.25	0.094	0.000	0.000	0.000000000	0.000000000
-1.00	0.087	0.000	0.000	0.000000000	0.000000000
-0.75	0.127	0.000	0.000	0.000000000	0.000000000
-0.50	0.215	0.000	0.000	0.000000000	0.000000000
-0.25	0.377	0.000	0.000	0.000000000	0.000000000
0.00	0.500	0.000	0.000	0.000000000	0.000000000
0.25	0.796	0.000	0.000	0.000000000	0.000000000
0.50	1.103	0.000	0.000	0.000000000	0.000000000
0.75	1.546	0.001	0.001	0.000056841	0.000056841
1.00	2.367	0.016	0.017	0.000909453	0.000966293
1.25	3.253	0.411	0.428	0.023361564	0.024327858
1.50	2.871	0.682	1.110	0.038765418	0.063093276
1.75	3.909	1.030	2.140	0.058546013	0.121639288
2.00	2.766	0.742	2.882	0.042175865	0.163815154
2.25	2.080	0.507	3.389	0.028818280	0.192633434
2.50	2.746	0.448	3.837	0.025464673	0.218098107
2.75	5.848	1.512	5.349	0.085943273	0.304041380
3.00	9.989	3.429	8.778	0.194907065	0.498948445
3.25	4.484	2.300	11.078	0.130733815	0.629682260
3.50	3.947	2.170	13.248	0.123344512	0.753026772
3.75	3.093	2.909	16.157	0.165349855	0.918376627
4.00	1.388	1.146	17.303	0.065139544	0.983516171
PAN	0.477	0.290	17.593	0.016483829	1.0

**TOTAL WT.** 55.151 grams  
**DIGESTED WT.** 17.593 grams  
**% SILICA** 31.900

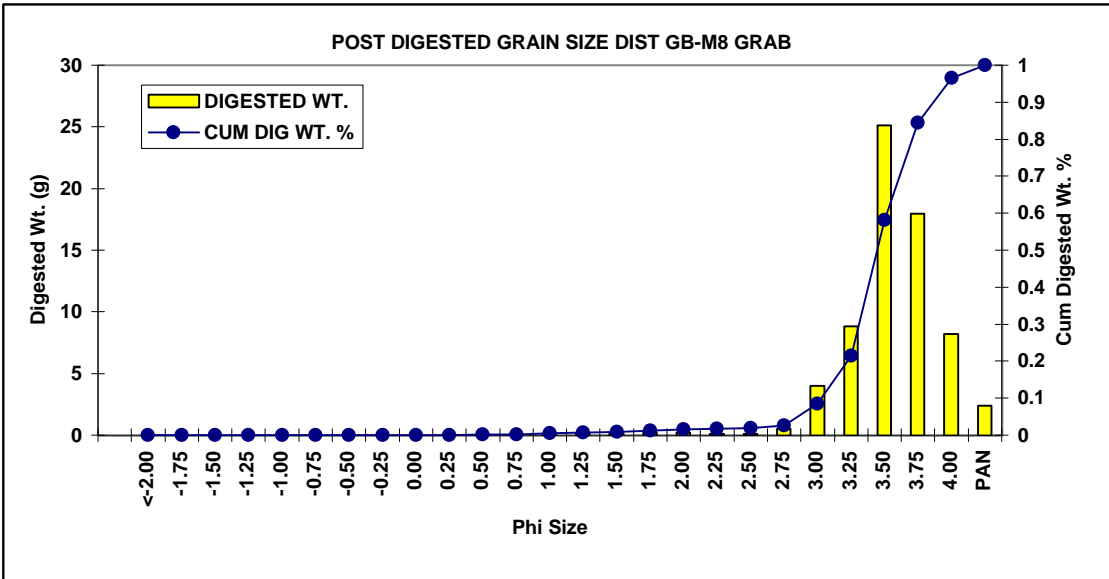


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M8 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.032	0.000	0.000	0.000000000	0.000000000
-1.25	0.067	0.000	0.000	0.000000000	0.000000000
-1.00	0.087	0.000	0.000	0.000000000	0.000000000
-0.75	0.109	0.000	0.000	0.000000000	0.000000000
-0.50	0.169	0.000	0.000	0.000000000	0.000000000
-0.25	0.340	0.000	0.000	0.000000000	0.000000000
0.00	0.422	0.003	0.003	0.000043897	0.000043897
0.25	0.594	0.028	0.031	0.000409704	0.000453601
0.50	0.607	0.037	0.068	0.000541395	0.000994996
0.75	0.770	0.078	0.146	0.001141319	0.002136314
1.00	1.015	0.152	0.298	0.002224108	0.004360423
1.25	1.026	0.148	0.446	0.002165579	0.006526002
1.50	0.693	0.172	0.618	0.002516754	0.009042756
1.75	0.826	0.219	0.837	0.003204472	0.012247227
2.00	0.608	0.192	1.029	0.002809400	0.015056627
2.25	0.598	0.127	1.156	0.001858301	0.016914928
2.50	1.073	0.109	1.265	0.001594920	0.018509848
2.75	2.866	0.517	1.782	0.007564894	0.026074742
3.00	12.363	4.003	5.785	0.058573059	0.084647801
3.25	19.036	8.849	14.634	0.129481139	0.214128940
3.50	32.317	25.145	39.779	0.367928946	0.582057885
3.75	18.028	17.965	57.744	0.262869100	0.844926985
4.00	8.731	8.223	65.967	0.120321325	0.965248310
PAN	3.375	2.375	68.342	0.034751690	1.0

**TOTAL WT.** 105.752 grams  
**DIGESTED WT.** 68.342 grams  
**% SILICA** 64.625

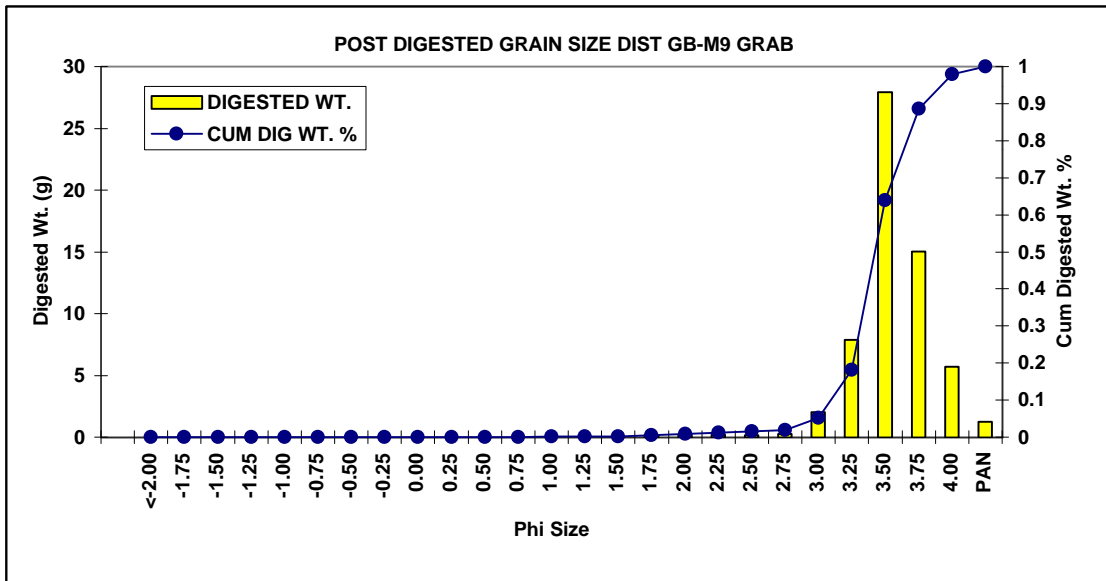


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M9 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.013	0.000	0.000	0.000000000	0.000000000
-1.00	0.006	0.000	0.000	0.000000000	0.000000000
-0.75	0.030	0.000	0.000	0.000000000	0.000000000
-0.50	0.038	0.000	0.000	0.000000000	0.000000000
-0.25	0.055	0.000	0.000	0.000000000	0.000000000
0.00	0.062	0.000	0.000	0.000000000	0.000000000
0.25	0.085	0.010	0.010	0.000163899	0.000163899
0.50	0.111	0.015	0.025	0.000245849	0.000409749
0.75	0.141	0.013	0.038	0.000213069	0.000622818
1.00	0.179	0.021	0.059	0.000344189	0.000967007
1.25	0.276	0.031	0.090	0.000508088	0.001475095
1.50	0.248	0.055	0.145	0.000901447	0.002376543
1.75	0.576	0.170	0.315	0.002786291	0.005162834
2.00	0.732	0.233	0.548	0.003818858	0.008981692
2.25	0.763	0.208	0.756	0.003409110	0.012390802
2.50	0.770	0.140	0.896	0.002294593	0.014685395
2.75	1.208	0.284	1.180	0.004654746	0.019340141
3.00	5.006	2.029	3.209	0.033255208	0.052595349
3.25	17.128	7.874	11.083	0.129054464	0.181649812
3.50	32.484	27.929	39.012	0.457754905	0.639404717
3.75	15.231	15.019	54.031	0.246160654	0.885565371
4.00	5.974	5.725	59.756	0.093832462	0.979397833
PAN	1.590	1.257	61.013	0.020602167	1.0

**TOTAL WT.** 82.706 grams  
**DIGESTED WT.** 61.013 grams  
**% SILICA** 73.771

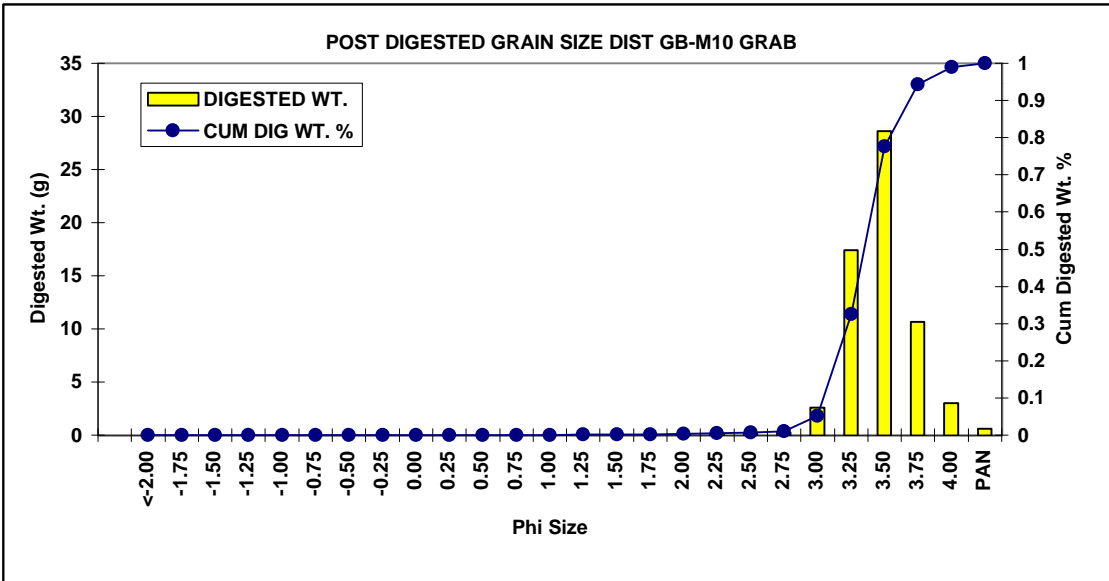


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M10 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.007	0.000	0.000	0.000000000	0.000000000
-1.00	0.006	0.000	0.000	0.000000000	0.000000000
-0.75	0.024	0.000	0.000	0.000000000	0.000000000
-0.50	0.014	0.000	0.000	0.000000000	0.000000000
-0.25	0.022	0.000	0.000	0.000000000	0.000000000
0.00	0.034	0.006	0.006	0.000094405	0.000094405
0.25	0.035	0.001	0.007	0.000015734	0.000110139
0.50	0.060	0.003	0.010	0.000047202	0.000157342
0.75	0.072	0.008	0.018	0.000125873	0.000283215
1.00	0.103	0.029	0.047	0.000456291	0.000739505
1.25	0.109	0.018	0.065	0.000283215	0.001022720
1.50	0.087	0.023	0.088	0.000361886	0.001384606
1.75	0.168	0.052	0.140	0.000818176	0.002202782
2.00	0.231	0.083	0.223	0.001305935	0.003508717
2.25	0.246	0.097	0.320	0.001526213	0.005034930
2.50	0.326	0.111	0.431	0.001746491	0.006781421
2.75	0.733	0.252	0.683	0.003965007	0.010746428
3.00	5.014	2.564	3.247	0.040342375	0.051088804
3.25	25.737	17.403	20.650	0.273821512	0.324910315
3.50	29.317	28.633	49.283	0.450516080	0.775426396
3.75	10.846	10.640	59.923	0.167411417	0.942837812
4.00	3.214	3.014	62.937	0.047422745	0.990260558
PAN	0.740	0.619	63.556	0.009739442	1.0

<b>TOTAL WT.</b>	77.145	grams
<b>DIGESTED WT.</b>	63.556	grams
<b>% SILICA</b>	82.385	

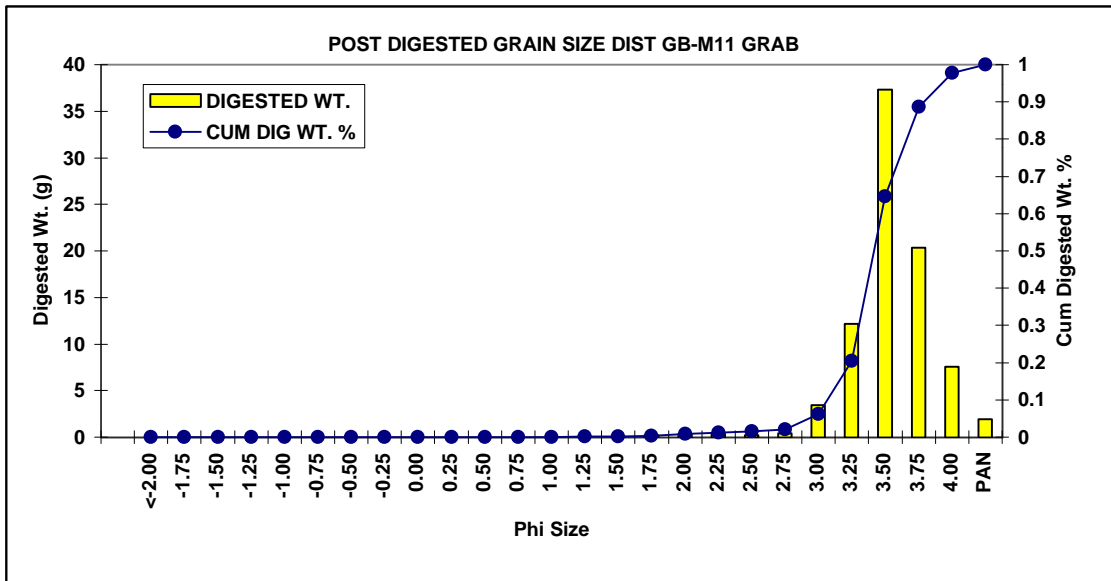


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M11 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.019	0.000	0.000	0.000000000	0.000000000
-0.75	0.037	0.000	0.000	0.000000000	0.000000000
-0.50	0.098	0.000	0.000	0.000000000	0.000000000
-0.25	0.095	0.000	0.000	0.000000000	0.000000000
0.00	0.155	0.000	0.000	0.000000000	0.000000000
0.25	0.229	0.012	0.012	0.000141961	0.000141961
0.50	0.250	0.007	0.019	0.000082811	0.000224772
0.75	0.312	0.009	0.028	0.000106471	0.000331243
1.00	0.450	0.029	0.057	0.000343073	0.000674317
1.25	0.519	0.040	0.097	0.000473205	0.001147522
1.50	0.482	0.064	0.161	0.000757128	0.001904649
1.75	0.930	0.202	0.363	0.002389684	0.004294333
2.00	1.510	0.359	0.722	0.004247013	0.008541346
2.25	1.828	0.350	1.072	0.004140542	0.012681888
2.50	1.997	0.230	1.302	0.002720927	0.015402816
2.75	3.048	0.414	1.716	0.004897669	0.020300485
3.00	10.534	3.441	5.157	0.040707441	0.061007926
3.25	23.877	12.140	17.297	0.143617651	0.204625577
3.50	40.976	37.311	54.608	0.441393588	0.646019165
3.75	20.612	20.374	74.982	0.241026854	0.887046019
4.00	7.792	7.594	82.576	0.089837927	0.976883947
PAN	2.953	1.954	84.530	0.023116053	1.0

**TOTAL WT.** 118.703 grams  
**DIGESTED WT.** 84.530 grams  
**% SILICA** 71.211

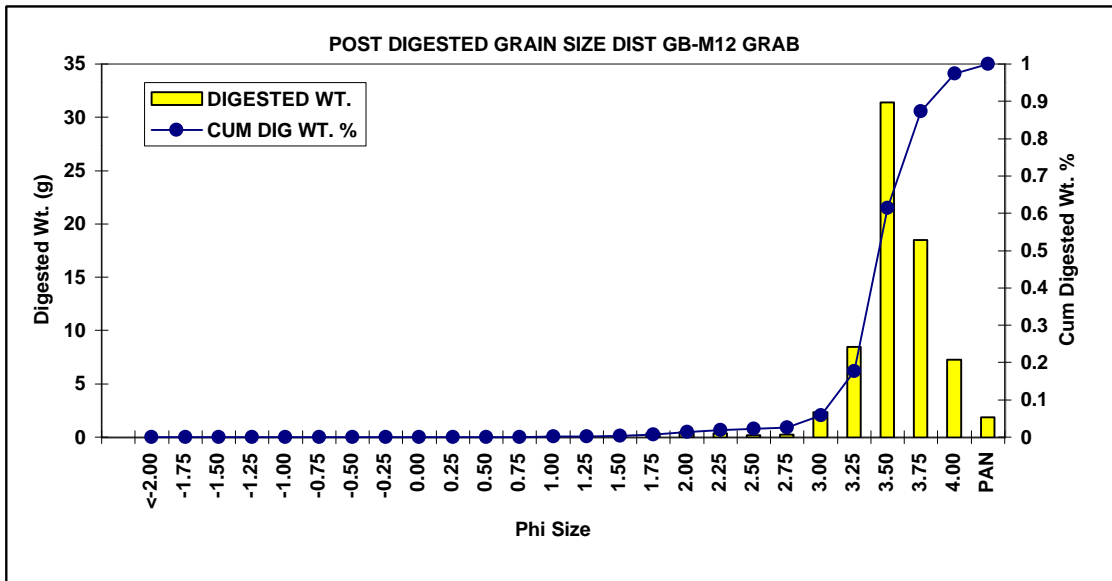


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M12 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.018	0.000	0.000	0.000000000	0.000000000
-1.50	0.007	0.000	0.000	0.000000000	0.000000000
-1.25	0.006	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.091	0.001	0.001	0.000013952	0.000013952
-0.50	0.142	0.000	0.001	0.000000000	0.000013952
-0.25	0.167	0.000	0.001	0.000000000	0.000013952
0.00	0.208	0.000	0.001	0.000000000	0.000013952
0.25	0.348	0.013	0.014	0.000181377	0.000195329
0.50	0.305	0.007	0.021	0.000097664	0.000292993
0.75	0.355	0.012	0.033	0.000167425	0.000460418
1.00	0.500	0.035	0.068	0.000488322	0.000948740
1.25	0.534	0.042	0.110	0.000585987	0.001534727
1.50	0.646	0.088	0.198	0.001227781	0.002762508
1.75	1.236	0.331	0.529	0.004618132	0.007380640
2.00	1.768	0.493	1.022	0.006878366	0.014259006
2.25	1.689	0.368	1.390	0.005134358	0.019393364
2.50	1.390	0.204	1.594	0.002846220	0.022239585
2.75	1.857	0.262	1.856	0.003655440	0.025895025
3.00	6.722	2.329	4.185	0.032494349	0.058389374
3.25	17.204	8.470	12.655	0.118173954	0.176563328
3.50	36.415	31.381	44.036	0.437829617	0.614392946
3.75	18.667	18.515	62.551	0.258322404	0.872715350
4.00	7.493	7.262	69.813	0.101319865	0.974035215
PAN	2.909	1.861	71.674	0.025964785	1.0

**TOTAL WT.** 100.677 grams  
**DIGESTED WT.** 71.674 grams  
**% SILICA** 71.192

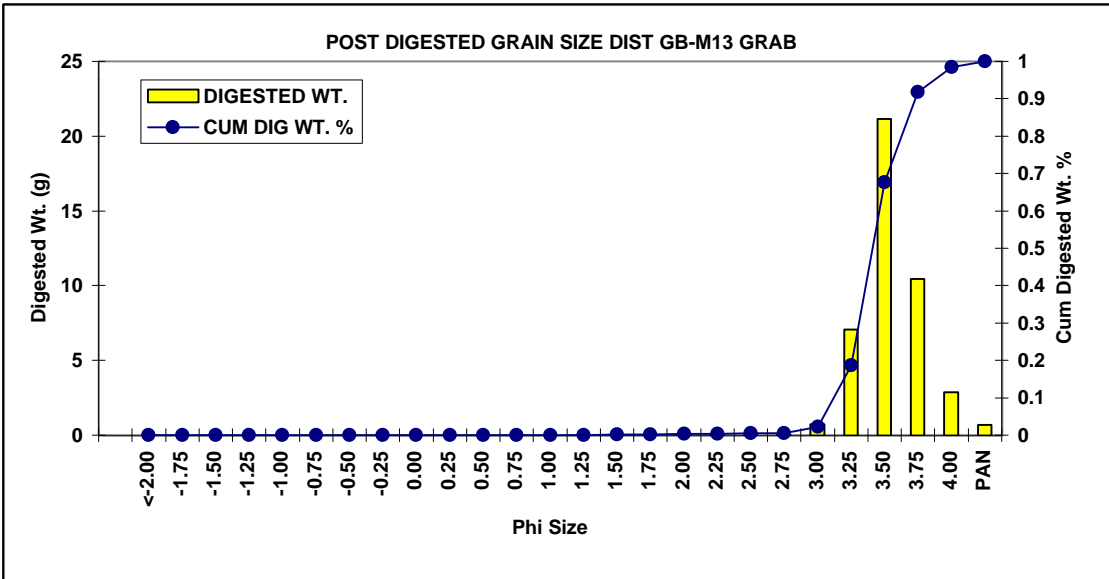


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M13 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.039	0.000	0.000	0.000000000	0.000000000
-1.50	0.028	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.010	0.000	0.000	0.000000000	0.000000000
-0.50	0.008	0.000	0.000	0.000000000	0.000000000
-0.25	0.015	0.000	0.000	0.000000000	0.000000000
0.00	0.021	0.000	0.000	0.000000000	0.000000000
0.25	0.033	0.005	0.005	0.000115666	0.000115666
0.50	0.035	0.002	0.007	0.000046266	0.000161932
0.75	0.037	0.004	0.011	0.000092533	0.000254465
1.00	0.045	0.007	0.018	0.000161932	0.000416397
1.25	0.056	0.007	0.025	0.000161932	0.000578329
1.50	0.044	0.014	0.039	0.000323864	0.000902193
1.75	0.081	0.038	0.077	0.000879060	0.001781253
2.00	0.090	0.045	0.122	0.001040992	0.002822245
2.25	0.097	0.037	0.159	0.000855927	0.003678172
2.50	0.143	0.028	0.187	0.000647728	0.004325900
2.75	0.304	0.053	0.240	0.001226057	0.005551957
3.00	1.937	0.749	0.989	0.017326733	0.022878690
3.25	11.535	7.083	8.072	0.163852133	0.186730823
3.50	24.376	21.137	29.209	0.488965485	0.675696308
3.75	10.528	10.465	39.674	0.242088461	0.917784769
4.00	2.942	2.857	42.531	0.066091422	0.983876191
PAN	0.812	0.697	43.228	0.016123809	1.0

**TOTAL WT.** 53.216 grams  
**DIGESTED WT.** 43.228 grams  
**% SILICA** 81.231

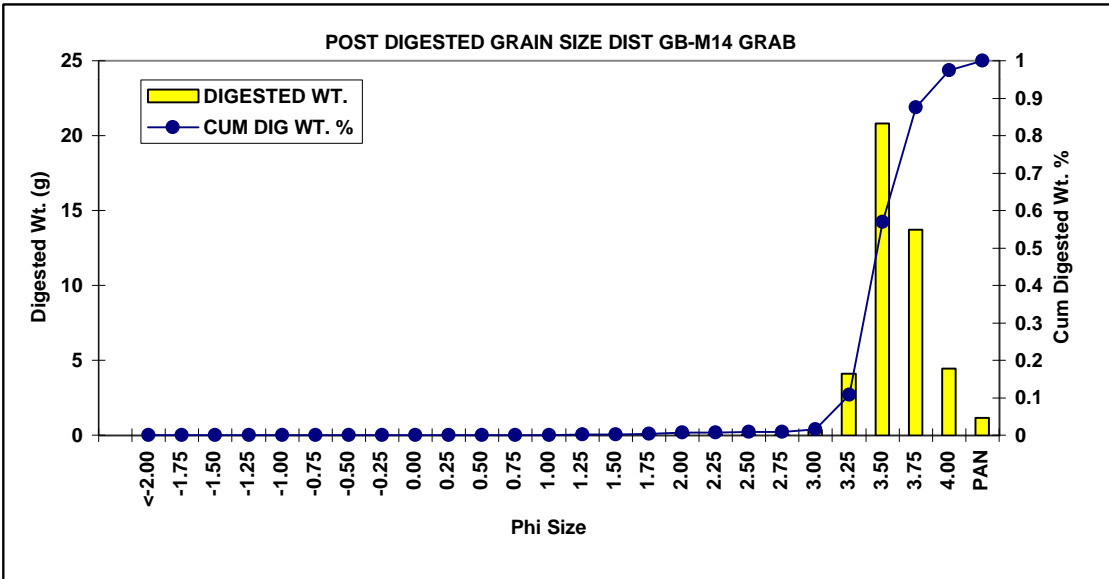


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M14 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.030	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.005	0.000	0.000	0.000000000	0.000000000
-0.50	0.014	0.000	0.000	0.000000000	0.000000000
-0.25	0.019	0.000	0.000	0.000000000	0.000000000
0.00	0.023	0.000	0.000	0.000000000	0.000000000
0.25	0.036	0.005	0.005	0.000111240	0.000111240
0.50	0.032	0.005	0.010	0.000111240	0.000222479
0.75	0.057	0.003	0.013	0.000066744	0.000289223
1.00	0.094	0.008	0.021	0.000177983	0.000467207
1.25	0.147	0.023	0.044	0.000511702	0.000978909
1.50	0.144	0.049	0.093	0.001090149	0.002069058
1.75	0.240	0.092	0.185	0.002046810	0.004115867
2.00	0.224	0.087	0.272	0.001935570	0.006051437
2.25	0.175	0.061	0.333	0.001357124	0.007408561
2.50	0.171	0.031	0.364	0.000689686	0.008098247
2.75	0.290	0.024	0.388	0.000533950	0.008632197
3.00	1.243	0.328	0.716	0.007297321	0.015929519
3.25	8.244	4.109	4.825	0.091416748	0.107346267
3.50	27.103	20.796	25.621	0.462667972	0.570014239
3.75	14.107	13.735	39.356	0.305575331	0.875589570
4.00	4.593	4.434	43.790	0.098647326	0.974236896
PAN	1.485	1.158	44.948	0.025763104	1.0

<b>TOTAL WT.</b>	58.476	grams
<b>DIGESTED WT.</b>	44.948	grams
<b>% SILICA</b>	76.866	



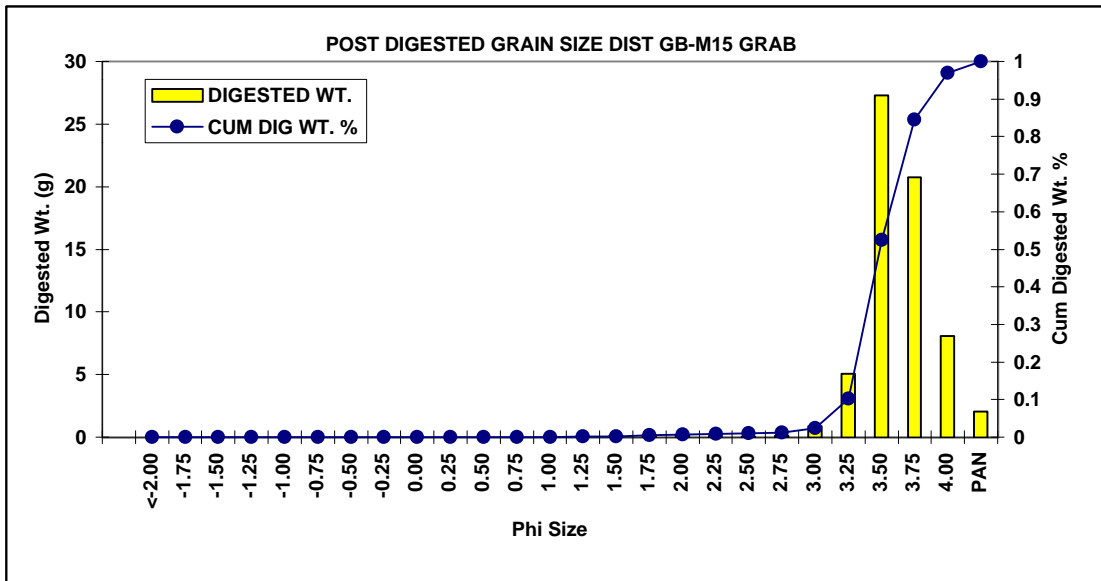


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M15 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.019	0.000	0.000	0.000000000	0.000000000
-1.00	0.007	0.000	0.000	0.000000000	0.000000000
-0.75	0.012	0.000	0.000	0.000000000	0.000000000
-0.50	0.013	0.000	0.000	0.000000000	0.000000000
-0.25	0.032	0.000	0.000	0.000000000	0.000000000
0.00	0.029	0.004	0.004	0.000061718	0.000061718
0.25	0.055	0.000	0.004	0.000000000	0.000061718
0.50	0.065	0.004	0.008	0.000061718	0.000123436
0.75	0.085	0.007	0.015	0.000108006	0.000231442
1.00	0.174	0.018	0.033	0.000277731	0.000509173
1.25	0.289	0.045	0.078	0.000694327	0.001203499
1.50	0.280	0.079	0.157	0.001218929	0.002422428
1.75	0.525	0.165	0.322	0.002545864	0.004968292
2.00	0.479	0.131	0.453	0.002021262	0.006989554
2.25	0.414	0.090	0.543	0.001388653	0.008378207
2.50	0.462	0.073	0.616	0.001126352	0.009504559
2.75	0.693	0.106	0.722	0.001635525	0.011140084
3.00	2.521	0.874	1.596	0.013485365	0.024625449
3.25	9.131	5.064	6.660	0.078134885	0.102760334
3.50	37.459	27.302	33.962	0.421255651	0.524015985
3.75	21.022	20.765	54.727	0.320393143	0.844409128
4.00	8.197	8.057	62.784	0.124315317	0.968724445
PAN	2.965	2.027	64.811	0.031275555	1.0

**TOTAL WT.** 84.928 grams  
**DIGESTED WT.** 64.811 grams  
**% SILICA** 76.313

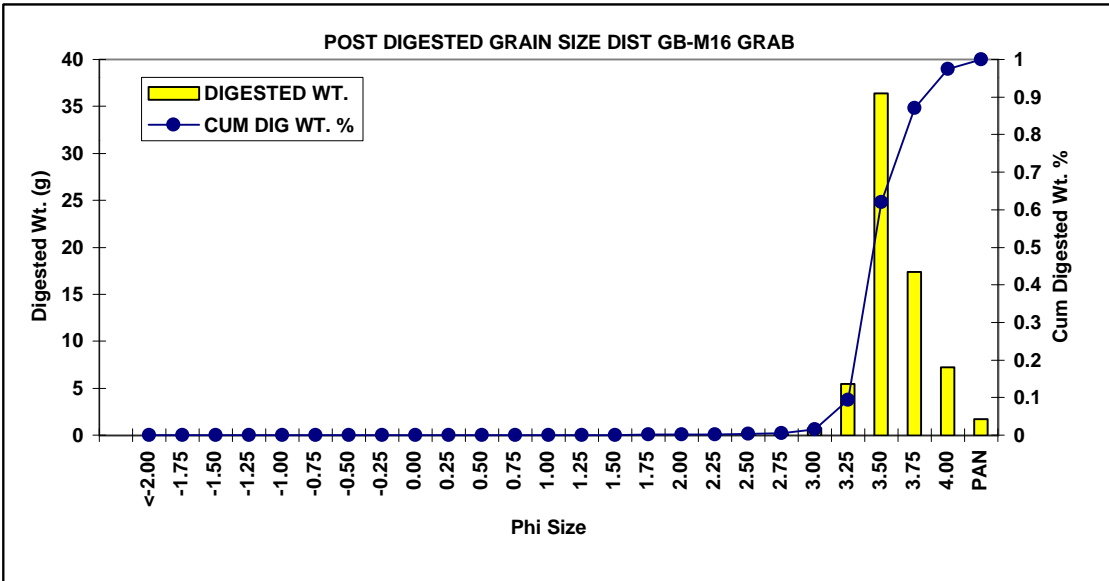


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M16 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.029	0.000	0.000	0.000000000	0.000000000
-1.75	0.041	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.009	0.000	0.000	0.000000000	0.000000000
-1.00	0.018	0.000	0.000	0.000000000	0.000000000
-0.75	0.010	0.000	0.000	0.000000000	0.000000000
-0.50	0.017	0.000	0.000	0.000000000	0.000000000
-0.25	0.027	0.000	0.000	0.000000000	0.000000000
0.00	0.022	0.000	0.000	0.000000000	0.000000000
0.25	0.046	0.005	0.005	0.000072291	0.000072291
0.50	0.031	0.004	0.009	0.000057833	0.000130124
0.75	0.039	0.003	0.012	0.000043375	0.000173498
1.00	0.059	0.009	0.021	0.000130124	0.000303622
1.25	0.078	0.009	0.030	0.000130124	0.000433745
1.50	0.070	0.016	0.046	0.000231331	0.000665076
1.75	0.132	0.029	0.075	0.000419287	0.001084363
2.00	0.143	0.039	0.114	0.000563869	0.001648232
2.25	0.170	0.036	0.150	0.000520494	0.002168727
2.50	0.277	0.056	0.206	0.000809658	0.002978385
2.75	0.529	0.108	0.314	0.001561483	0.004539868
3.00	2.183	0.730	1.044	0.010554471	0.015094340
3.25	15.574	5.460	6.504	0.078941661	0.094036001
3.50	43.603	36.391	42.895	0.526147618	0.620183619
3.75	17.948	17.365	60.260	0.251066291	0.871249910
4.00	7.322	7.191	67.451	0.103968770	0.975218680
PAN	2.195	1.714	69.165	0.024781320	1.0

<b>TOTAL WT.</b>	90.572	grams
<b>DIGESTED WT.</b>	69.165	grams
<b>% SILICA</b>	76.365	

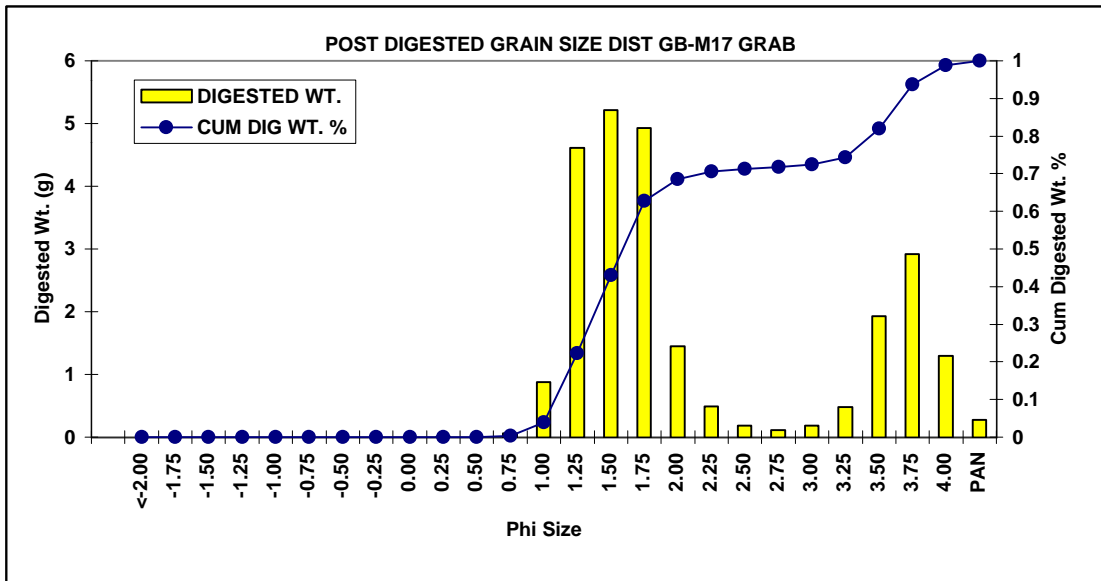


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M17 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.040	0.000	0.000	0.000000000	0.000000000
-1.75	0.038	0.000	0.000	0.000000000	0.000000000
-1.50	0.118	0.000	0.000	0.000000000	0.000000000
-1.25	0.242	0.000	0.000	0.000000000	0.000000000
-1.00	0.510	0.000	0.000	0.000000000	0.000000000
-0.75	1.023	0.000	0.000	0.000000000	0.000000000
-0.50	1.830	0.000	0.000	0.000000000	0.000000000
-0.25	2.971	0.000	0.000	0.000000000	0.000000000
0.00	3.884	0.000	0.000	0.000000000	0.000000000
0.25	6.201	0.014	0.014	0.000559485	0.000559485
0.50	7.380	0.003	0.017	0.000119890	0.000679375
0.75	9.232	0.065	0.082	0.002597610	0.003276985
1.00	14.260	0.881	0.963	0.035207609	0.038484594
1.25	22.759	4.609	5.572	0.184190545	0.222675139
1.50	21.462	5.210	10.782	0.208208448	0.430883587
1.75	23.299	4.925	15.707	0.196818927	0.627702514
2.00	11.194	1.449	17.156	0.057906726	0.685609239
2.25	3.346	0.489	17.645	0.019542021	0.705151261
2.50	0.739	0.188	17.833	0.007513088	0.712664349
2.75	0.216	0.113	17.946	0.004515845	0.717180194
3.00	0.213	0.179	18.125	0.007153419	0.724333613
3.25	0.602	0.478	18.603	0.019102426	0.743436039
3.50	2.730	1.925	20.528	0.076929225	0.820365264
3.75	3.013	2.915	23.443	0.116492827	0.936858091
4.00	1.338	1.301	24.744	0.051992167	0.988850258
PAN	0.294	0.279	25.023	0.011149742	1.0

**TOTAL WT.** 138.934 grams  
**DIGESTED WT.** 25.023 grams  
**% SILICA** 18.011

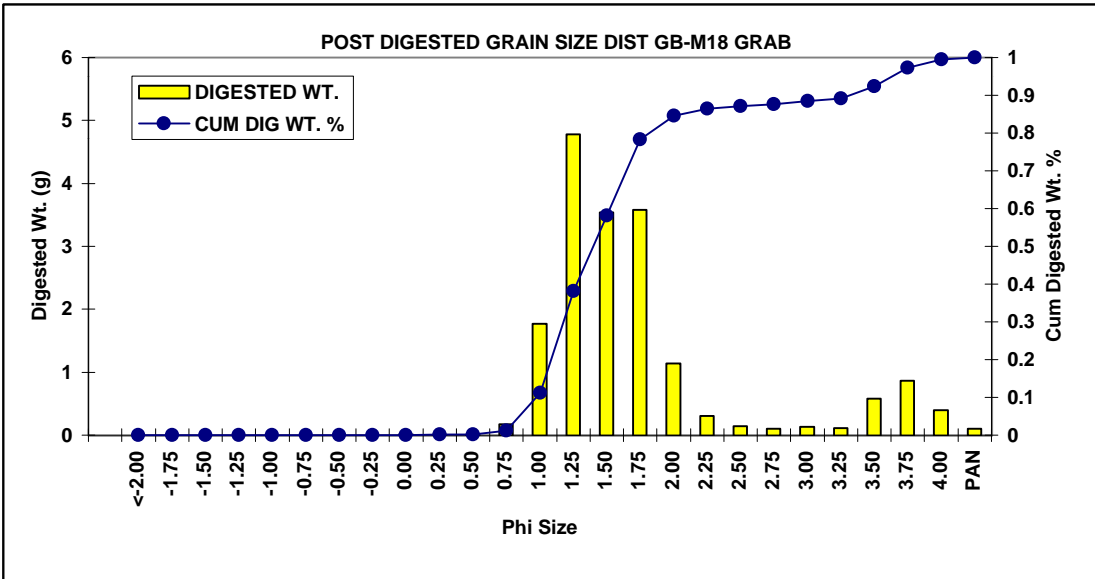


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M18 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.273	0.000	0.000	0.000000000	0.000000000
-1.75	0.107	0.000	0.000	0.000000000	0.000000000
-1.50	0.214	0.000	0.000	0.000000000	0.000000000
-1.25	0.449	0.000	0.000	0.000000000	0.000000000
-1.00	0.877	0.000	0.000	0.000000000	0.000000000
-0.75	1.942	0.000	0.000	0.000000000	0.000000000
-0.50	3.262	0.000	0.000	0.000000000	0.000000000
-0.25	5.020	0.000	0.000	0.000000000	0.000000000
0.00	6.203	0.009	0.009	0.000507357	0.000507357
0.25	8.775	0.007	0.016	0.000394611	0.000901967
0.50	9.629	0.013	0.029	0.000732849	0.001634816
0.75	11.490	0.176	0.205	0.009921642	0.011556458
1.00	17.140	1.771	1.976	0.099836518	0.111392976
1.25	23.875	4.779	6.755	0.269406393	0.380799369
1.50	18.526	3.543	10.298	0.199729410	0.580528778
1.75	19.487	3.578	13.876	0.201702463	0.782231242
2.00	8.226	1.140	15.016	0.064265178	0.846496420
2.25	2.182	0.306	15.322	0.017250127	0.863746547
2.50	0.409	0.138	15.460	0.007779469	0.871526016
2.75	0.142	0.097	15.557	0.005468177	0.876994194
3.00	0.141	0.129	15.686	0.007272112	0.884266306
3.25	0.119	0.116	15.802	0.006539264	0.890805570
3.50	0.739	0.577	16.379	0.032527200	0.923332770
3.75	0.917	0.865	17.244	0.048762613	0.972095383
4.00	0.424	0.396	17.640	0.022323694	0.994419077
PAN	0.130	0.099	17.739	0.005580923	1.0

**TOTAL WT.** 140.698 grams  
**DIGESTED WT.** 17.739 grams  
**% SILICA** 12.608

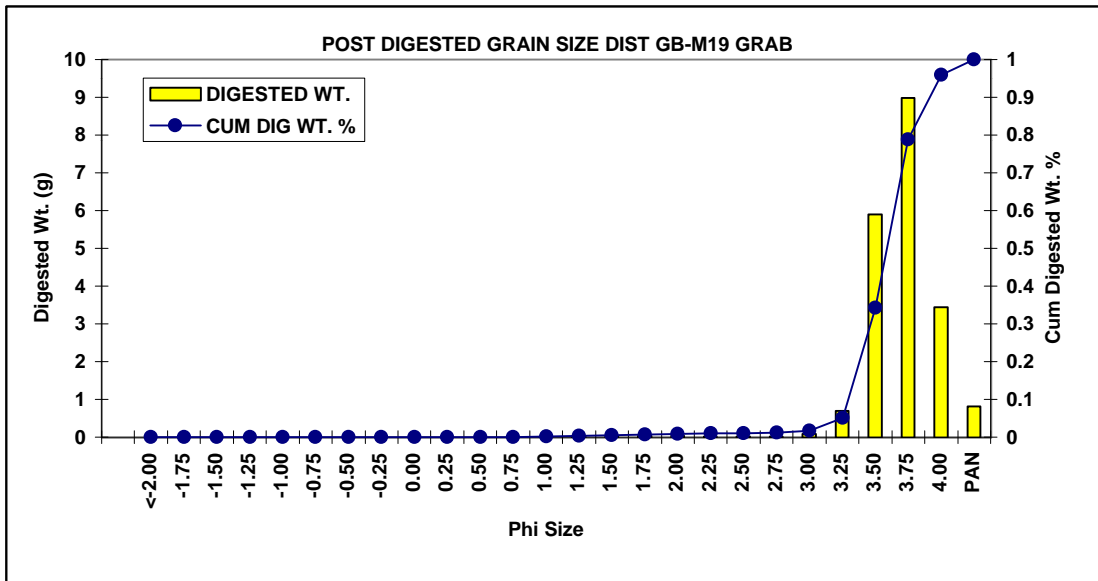


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M19 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.013	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.011	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.000	0.000	0.000	0.000000000	0.000000000
-0.50	0.010	0.000	0.000	0.000000000	0.000000000
-0.25	0.009	0.000	0.000	0.000000000	0.000000000
0.00	0.016	0.000	0.000	0.000000000	0.000000000
0.25	0.034	0.002	0.002	0.000099177	0.000099177
0.50	0.083	0.001	0.003	0.000049588	0.000148765
0.75	0.076	0.007	0.010	0.000347119	0.000495884
1.00	0.102	0.019	0.029	0.000942180	0.001438064
1.25	0.153	0.035	0.064	0.001735595	0.003173659
1.50	0.060	0.037	0.101	0.001834771	0.005008430
1.75	0.091	0.033	0.134	0.001636418	0.006644848
2.00	0.073	0.032	0.166	0.001586829	0.008231677
2.25	0.085	0.024	0.190	0.001190122	0.009421799
2.50	0.121	0.024	0.214	0.001190122	0.010611921
2.75	0.196	0.023	0.237	0.001140534	0.011752455
3.00	0.486	0.090	0.327	0.004462957	0.016215412
3.25	1.725	0.691	1.018	0.034265596	0.050481008
3.50	9.691	5.901	6.919	0.292621244	0.343102251
3.75	9.240	8.986	15.905	0.445601507	0.788703759
4.00	3.513	3.441	19.346	0.170633740	0.959337499
PAN	0.964	0.820	20.166	0.040662501	1.0

**TOTAL WT.** 26.752 grams  
**DIGESTED WT.** 20.166 grams  
**% SILICA** 75.381

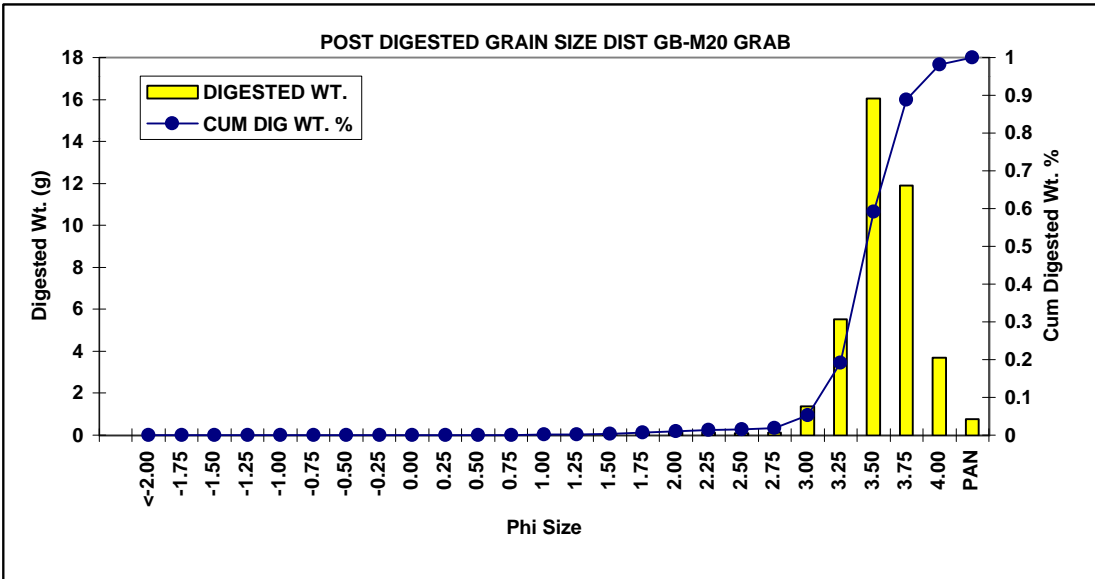


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-M20 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.030	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.038	0.000	0.000	0.000000000	0.000000000
-0.75	0.019	0.000	0.000	0.000000000	0.000000000
-0.50	0.046	0.000	0.000	0.000000000	0.000000000
-0.25	0.087	0.000	0.000	0.000000000	0.000000000
0.00	0.114	0.000	0.000	0.000000000	0.000000000
0.25	0.109	0.002	0.002	0.00049963	0.00049963
0.50	0.152	0.002	0.004	0.00049963	0.00099925
0.75	0.145	0.011	0.015	0.000274794	0.000374719
1.00	0.213	0.023	0.038	0.000574569	0.000949288
1.25	0.299	0.045	0.083	0.001124157	0.002073445
1.50	0.347	0.074	0.157	0.001848614	0.003922058
1.75	0.548	0.132	0.289	0.003297527	0.007219585
2.00	0.589	0.142	0.431	0.003547339	0.010766925
2.25	0.589	0.118	0.549	0.002947789	0.013714714
2.50	0.681	0.092	0.641	0.002298276	0.016012990
2.75	1.002	0.136	0.777	0.003397452	0.019410442
3.00	3.832	1.359	2.136	0.033949538	0.053359980
3.25	10.525	5.509	7.645	0.137621784	0.190981764
3.50	21.922	16.042	23.687	0.400749438	0.591731202
3.75	12.349	11.888	35.575	0.296977267	0.888708469
4.00	3.798	3.696	39.271	0.092330752	0.981039221
PAN	0.859	0.759	40.030	0.018960779	1.0

**TOTAL WT.** 58.293 grams  
**DIGESTED WT.** 40.030 grams  
**% SILICA** 68.670

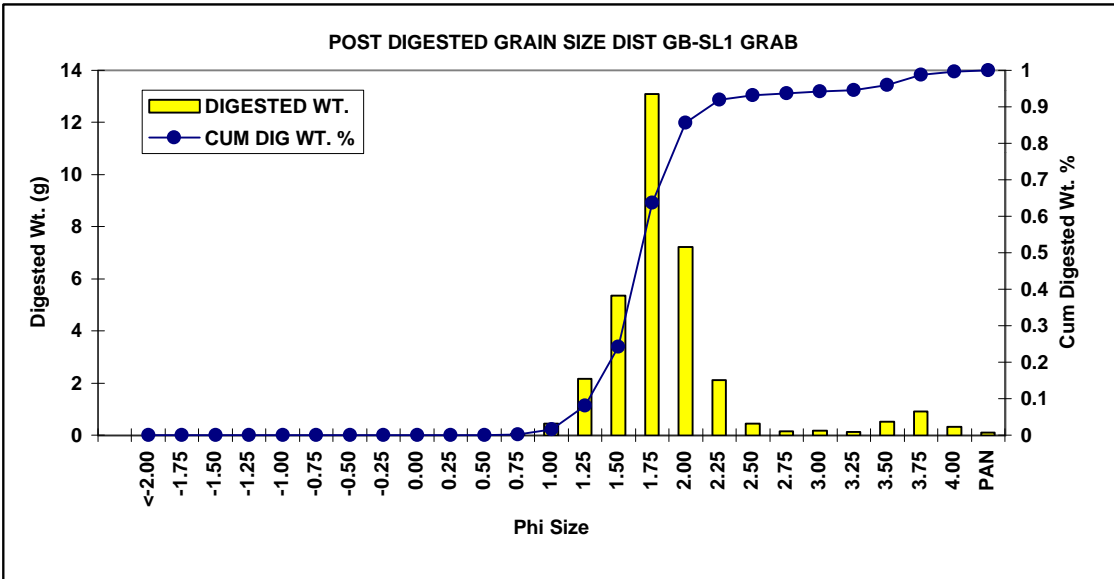


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL1 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.073	0.000	0.000	0.000000000	0.000000000
-1.75	0.037	0.000	0.000	0.000000000	0.000000000
-1.50	0.186	0.000	0.000	0.000000000	0.000000000
-1.25	0.352	0.000	0.000	0.000000000	0.000000000
-1.00	0.419	0.000	0.000	0.000000000	0.000000000
-0.75	0.914	0.000	0.000	0.000000000	0.000000000
-0.50	1.224	0.000	0.000	0.000000000	0.000000000
-0.25	1.773	0.000	0.000	0.000000000	0.000000000
0.00	2.009	0.000	0.000	0.000000000	0.000000000
0.25	2.748	0.002	0.002	0.000060357	0.000060357
0.50	3.258	0.008	0.010	0.000241429	0.000301787
0.75	4.039	0.045	0.055	0.001358040	0.001659826
1.00	6.879	0.442	0.497	0.013338967	0.014998793
1.25	12.332	2.170	2.667	0.065487687	0.080486480
1.50	18.693	5.351	8.018	0.161485997	0.241972477
1.75	39.053	13.102	21.120	0.395400773	0.637373250
2.00	37.820	7.221	28.341	0.217920087	0.855293337
2.25	21.953	2.107	30.448	0.063586432	0.918879768
2.50	5.522	0.437	30.885	0.013188073	0.932067842
2.75	0.666	0.147	31.032	0.004436263	0.936504104
3.00	0.241	0.170	31.202	0.005130372	0.941634476
3.25	0.169	0.121	31.323	0.003651618	0.945286094
3.50	0.690	0.505	31.828	0.015240222	0.960526316
3.75	0.904	0.903	32.731	0.027251328	0.987777644
4.00	0.334	0.316	33.047	0.009536456	0.997314099
PAN	0.115	0.089	33.136	0.002685901	1.0

**TOTAL WT.** 162.403 grams  
**DIGESTED WT.** 33.136 grams  
**% SILICA** 20.404

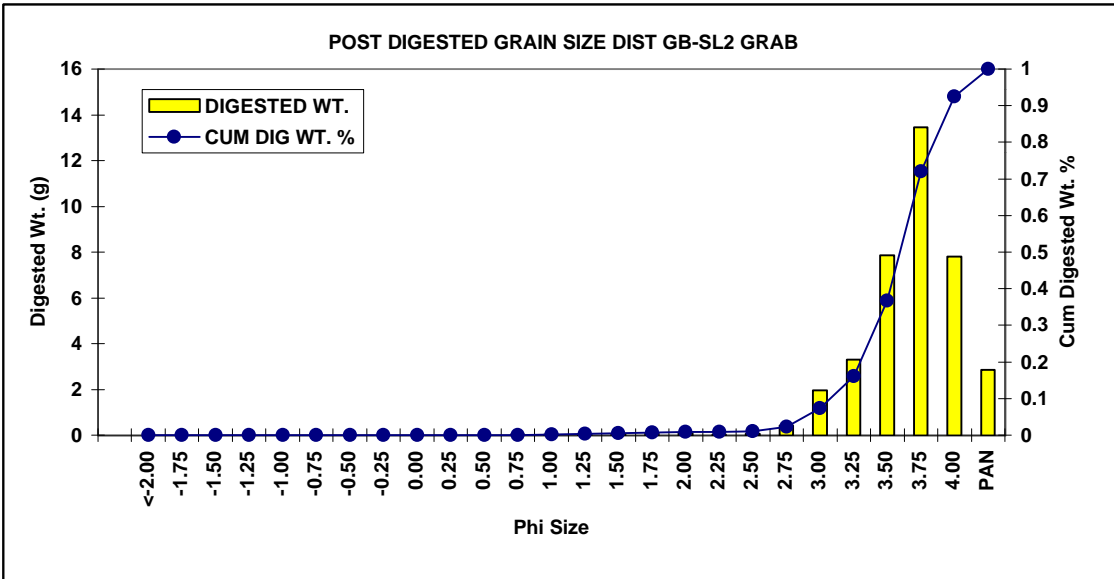


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL2 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.095	0.000	0.000	0.000000000	0.000000000
-1.75	0.066	0.000	0.000	0.000000000	0.000000000
-1.50	0.124	0.000	0.000	0.000000000	0.000000000
-1.25	0.282	0.000	0.000	0.000000000	0.000000000
-1.00	0.182	0.000	0.000	0.000000000	0.000000000
-0.75	0.160	0.000	0.000	0.000000000	0.000000000
-0.50	0.202	0.005	0.005	0.000131158	0.000131158
-0.25	0.196	0.000	0.005	0.000000000	0.000131158
0.00	0.151	0.004	0.009	0.000104926	0.000236084
0.25	0.192	0.004	0.013	0.000104926	0.000341010
0.50	0.191	0.006	0.019	0.000157389	0.000498400
0.75	0.202	0.014	0.033	0.000367242	0.000865642
1.00	0.297	0.032	0.065	0.000839410	0.001705052
1.25	0.324	0.050	0.115	0.001311579	0.003016631
1.50	0.200	0.053	0.168	0.001390273	0.004406904
1.75	0.302	0.088	0.256	0.002308378	0.006715283
2.00	0.344	0.070	0.326	0.001836210	0.008551493
2.25	0.475	0.040	0.366	0.001049263	0.009600755
2.50	1.071	0.066	0.432	0.001731284	0.011332039
2.75	2.527	0.431	0.863	0.011305808	0.022637847
3.00	6.304	1.966	2.829	0.051571271	0.074209118
3.25	7.234	3.308	6.137	0.086774041	0.160983159
3.50	12.895	7.870	14.007	0.206442474	0.367425633
3.75	13.472	13.461	27.468	0.353103195	0.720528828
4.00	8.450	7.800	35.268	0.204606264	0.925135093
PAN	4.717	2.854	38.122	0.074864907	1.0

<b>TOTAL WT.</b>	60.655	grams
<b>DIGESTED WT.</b>	38.122	grams
<b>% SILICA</b>	62.851	



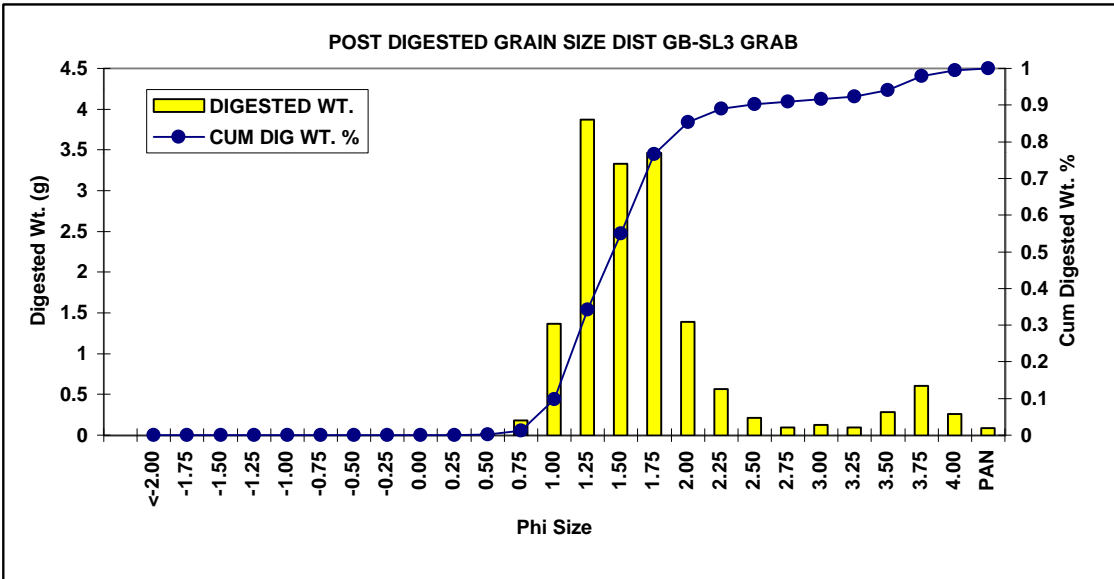


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL3 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.717	0.000	0.000	0.000000000	0.000000000
-1.75	0.459	0.000	0.000	0.000000000	0.000000000
-1.50	0.529	0.000	0.000	0.000000000	0.000000000
-1.25	1.269	0.000	0.000	0.000000000	0.000000000
-1.00	2.353	0.000	0.000	0.000000000	0.000000000
-0.75	4.344	0.000	0.000	0.000000000	0.000000000
-0.50	6.817	0.000	0.000	0.000000000	0.000000000
-0.25	8.681	0.000	0.000	0.000000000	0.000000000
0.00	9.460	0.002	0.002	0.000125392	0.000125392
0.25	12.142	0.004	0.006	0.000250784	0.000376176
0.50	11.675	0.015	0.021	0.000940439	0.001316614
0.75	12.365	0.182	0.203	0.011410658	0.012727273
1.00	15.740	1.367	1.570	0.085705329	0.098432602
1.25	19.599	3.872	5.442	0.242758621	0.341191223
1.50	15.566	3.326	8.768	0.208526646	0.549717868
1.75	15.910	3.465	12.233	0.217241379	0.766959248
2.00	7.961	1.389	13.622	0.087084639	0.854043887
2.25	3.337	0.568	14.190	0.035611285	0.889655172
2.50	1.281	0.213	14.403	0.013354232	0.903009404
2.75	0.429	0.097	14.500	0.006081505	0.909090909
3.00	0.253	0.123	14.623	0.007711599	0.916802508
3.25	0.121	0.091	14.714	0.005705329	0.922507837
3.50	0.524	0.286	15.000	0.017931034	0.940438871
3.75	0.723	0.603	15.603	0.037805643	0.978244514
4.00	0.356	0.263	15.866	0.016489028	0.994733542
PAN	0.188	0.084	15.950	0.005266458	1.0

TOTAL WT. 152.799 grams  
 DIGESTED WT. 15.950 grams  
 % SILICA 10.439

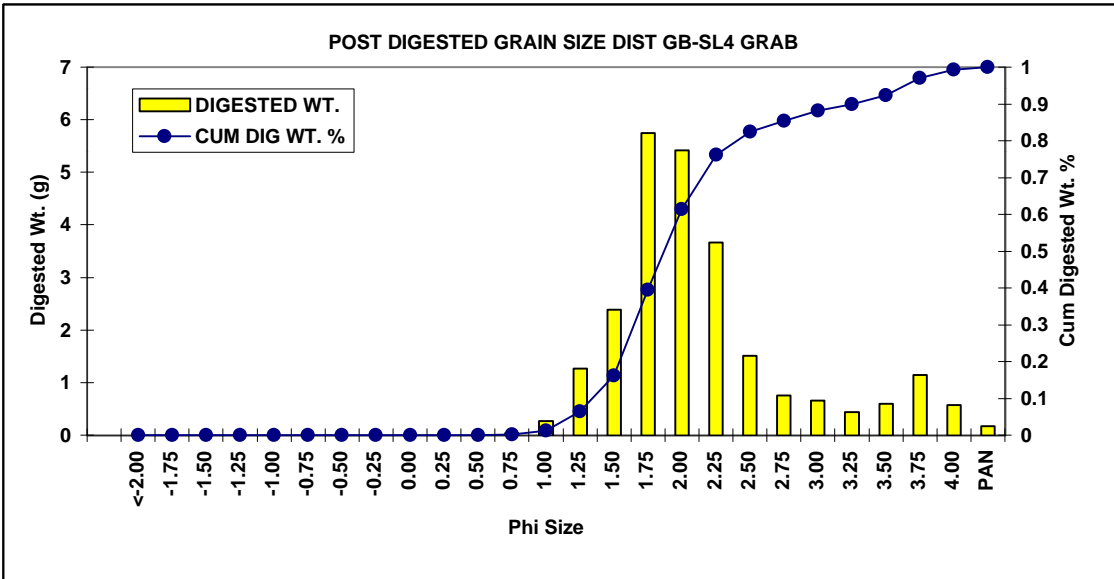


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL4 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.096	0.000	0.000	0.000000000	0.000000000
-1.75	0.121	0.000	0.000	0.000000000	0.000000000
-1.50	0.242	0.000	0.000	0.000000000	0.000000000
-1.25	0.262	0.000	0.000	0.000000000	0.000000000
-1.00	0.528	0.000	0.000	0.000000000	0.000000000
-0.75	0.682	0.000	0.000	0.000000000	0.000000000
-0.50	1.244	0.000	0.000	0.000000000	0.000000000
-0.25	2.029	0.000	0.000	0.000000000	0.000000000
0.00	2.692	0.001	0.001	0.000040583	0.000040583
0.25	4.518	0.003	0.004	0.000121748	0.000162331
0.50	5.812	0.006	0.010	0.000243497	0.000405828
0.75	8.118	0.033	0.043	0.001339231	0.001745059
1.00	17.204	0.264	0.307	0.010713851	0.012458910
1.25	12.324	1.266	1.573	0.051377785	0.063836695
1.50	17.679	2.391	3.964	0.097033400	0.160870095
1.75	27.187	5.743	9.707	0.233066840	0.393936934
2.00	23.043	5.419	15.126	0.219918023	0.613854957
2.25	17.049	3.660	18.786	0.148532933	0.762387890
2.50	10.329	1.507	20.293	0.061158232	0.823546122
2.75	4.979	0.751	21.044	0.030477659	0.854023782
3.00	2.759	0.663	21.707	0.026906376	0.880930157
3.25	0.785	0.441	22.148	0.017897001	0.898827158
3.50	1.271	0.602	22.750	0.024430827	0.923257985
3.75	1.228	1.150	23.900	0.046670184	0.969928168
4.00	0.641	0.574	24.474	0.023294509	0.993222678
PAN	0.264	0.167	24.641	0.006777322	1.0

<b>TOTAL WT.</b>	163.086	grams
<b>DIGESTED WT.</b>	24.641	grams
<b>% SILICA</b>	15.109	

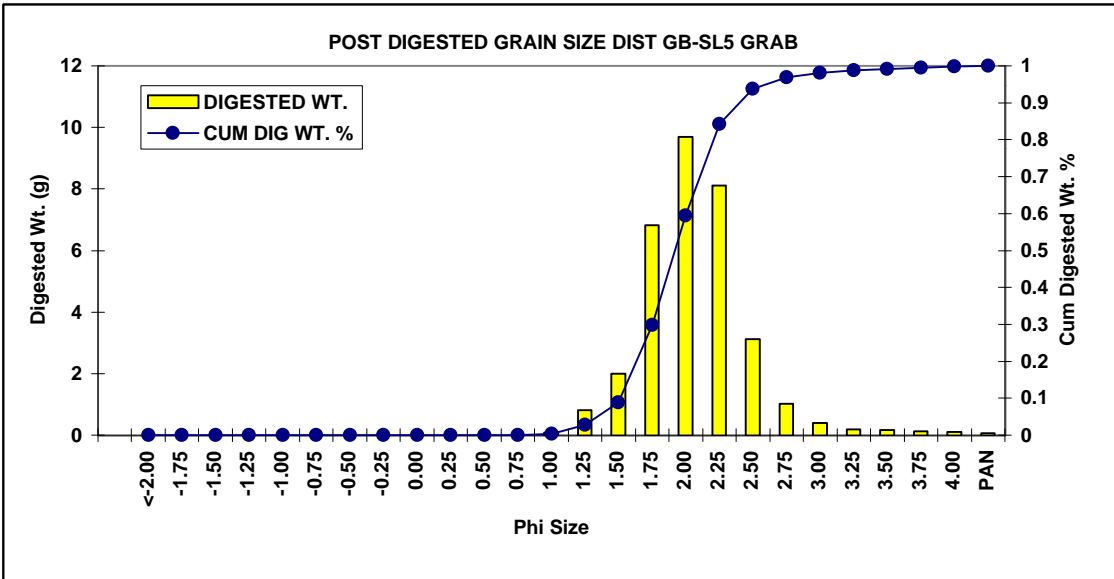


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL5 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.113	0.000	0.000	0.000000000	0.000000000
-1.75	0.075	0.000	0.000	0.000000000	0.000000000
-1.50	0.111	0.000	0.000	0.000000000	0.000000000
-1.25	0.169	0.000	0.000	0.000000000	0.000000000
-1.00	0.235	0.000	0.000	0.000000000	0.000000000
-0.75	0.375	0.000	0.000	0.000000000	0.000000000
-0.50	0.692	0.000	0.000	0.000000000	0.000000000
-0.25	1.305	0.000	0.000	0.000000000	0.000000000
0.00	1.798	0.000	0.000	0.000000000	0.000000000
0.25	3.233	0.002	0.002	0.000061224	0.000061224
0.50	4.495	0.001	0.003	0.000030612	0.000091836
0.75	6.127	0.005	0.008	0.000153060	0.000244895
1.00	12.630	0.085	0.093	0.002602014	0.002846910
1.25	9.483	0.815	0.908	0.024948725	0.027795635
1.50	13.425	2.001	2.909	0.061254477	0.089050112
1.75	22.221	6.817	9.726	0.208681544	0.297731656
2.00	23.988	9.693	19.419	0.296721462	0.594453118
2.25	19.910	8.104	27.523	0.248079101	0.842532219
2.50	11.189	3.113	30.636	0.095294946	0.937827165
2.75	4.621	1.012	31.648	0.030979276	0.968806441
3.00	1.579	0.399	32.047	0.012214161	0.981020602
3.25	0.201	0.196	32.243	0.005999939	0.987020541
3.50	0.313	0.156	32.399	0.004775461	0.991796002
3.75	0.134	0.115	32.514	0.003520372	0.995316374
4.00	0.102	0.095	32.609	0.002908134	0.998224508
PAN	0.094	0.058	32.667	0.001775492	1.0

**TOTAL WT.** 138.618 grams  
**DIGESTED WT.** 32.667 grams  
**% SILICA** 23.566

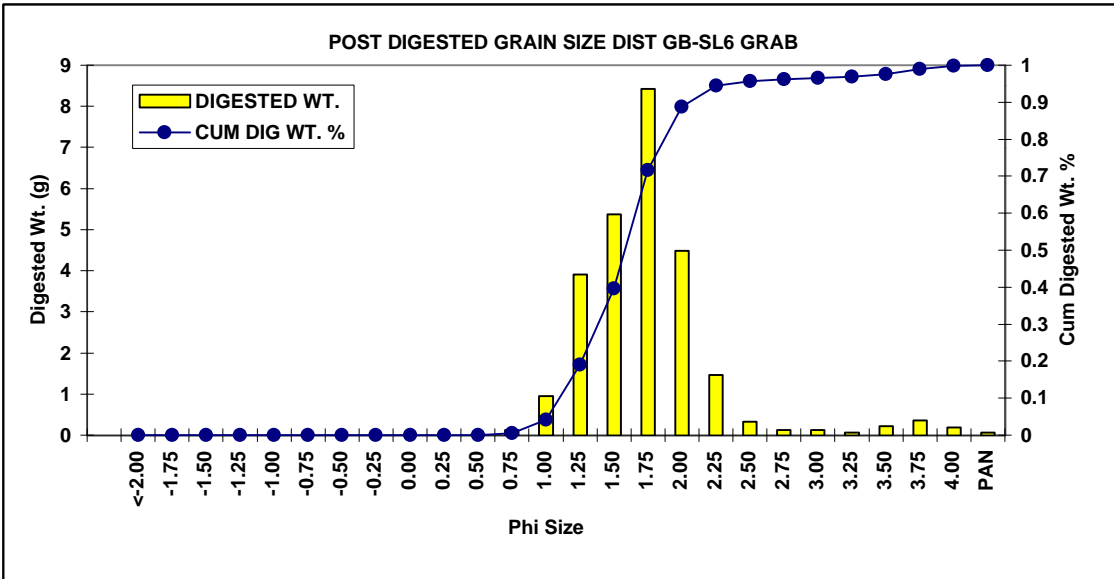


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL6 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.039	0.000	0.000	0.000000000	0.000000000
-1.50	0.100	0.000	0.000	0.000000000	0.000000000
-1.25	0.121	0.000	0.000	0.000000000	0.000000000
-1.00	0.332	0.000	0.000	0.000000000	0.000000000
-0.75	0.720	0.000	0.000	0.000000000	0.000000000
-0.50	1.144	0.000	0.000	0.000000000	0.000000000
-0.25	1.830	0.000	0.000	0.000000000	0.000000000
0.00	2.747	0.000	0.000	0.000000000	0.000000000
0.25	4.795	0.003	0.003	0.000114421	0.000114421
0.50	6.167	0.014	0.017	0.000533964	0.000648385
0.75	8.591	0.126	0.143	0.004805675	0.005454060
1.00	14.463	0.953	1.096	0.036347687	0.041801747
1.25	22.808	3.904	5.000	0.148899653	0.190701400
1.50	20.847	5.374	10.374	0.204965864	0.395667264
1.75	30.625	8.422	18.796	0.321217438	0.716884702
2.00	19.151	4.490	23.286	0.171249857	0.888134559
2.25	8.389	1.470	24.756	0.056066212	0.944200770
2.50	2.401	0.326	25.082	0.012433731	0.956634502
2.75	0.533	0.118	25.200	0.004500553	0.961135055
3.00	0.219	0.121	25.321	0.004614974	0.965750029
3.25	0.081	0.066	25.387	0.002517258	0.968267287
3.50	0.253	0.217	25.604	0.008276441	0.976543728
3.75	0.381	0.365	25.969	0.013921202	0.990464930
4.00	0.204	0.184	26.153	0.007017812	0.997482742
PAN	0.108	0.066	26.219	0.002517258	1.0

TOTAL WT. 147.049 grams  
 DIGESTED WT. 26.219 grams  
 % SILICA 17.830

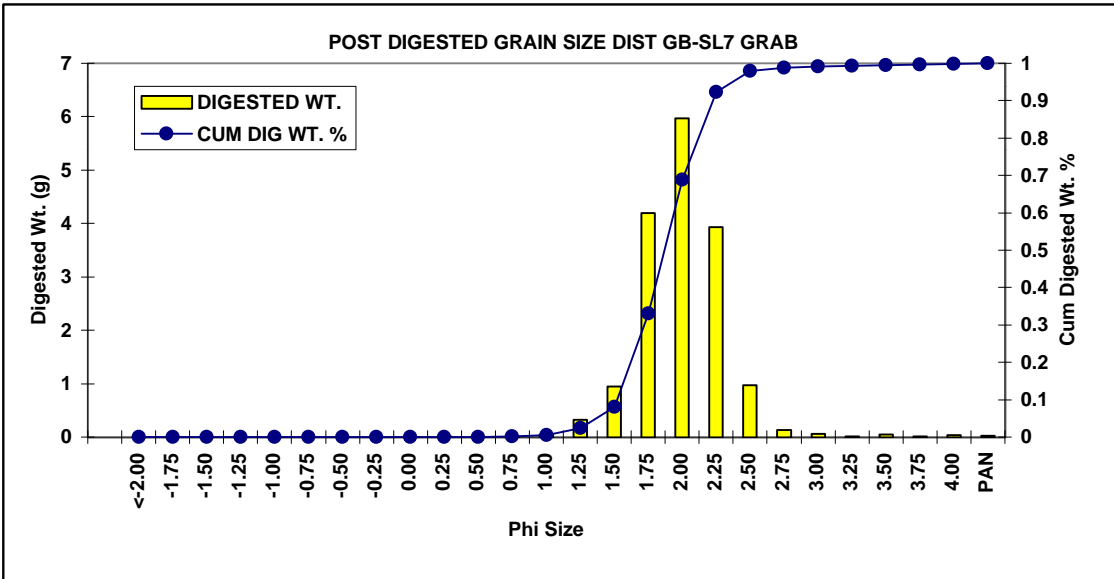


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL7 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.084	0.000	0.000	0.000000000	0.000000000
-1.75	0.021	0.000	0.000	0.000000000	0.000000000
-1.50	0.044	0.000	0.000	0.000000000	0.000000000
-1.25	0.100	0.000	0.000	0.000000000	0.000000000
-1.00	0.110	0.000	0.000	0.000000000	0.000000000
-0.75	0.162	0.000	0.000	0.000000000	0.000000000
-0.50	0.322	0.000	0.000	0.000000000	0.000000000
-0.25	0.549	0.000	0.000	0.000000000	0.000000000
0.00	0.874	0.000	0.000	0.000000000	0.000000000
0.25	1.627	0.006	0.006	0.000358423	0.000358423
0.50	2.377	0.003	0.009	0.000179211	0.000537634
0.75	3.645	0.012	0.021	0.000716846	0.001254480
1.00	6.225	0.053	0.074	0.003166069	0.004420550
1.25	8.806	0.323	0.397	0.019295102	0.023715651
1.50	9.732	0.949	1.346	0.056690562	0.080406213
1.75	16.266	4.195	5.541	0.250597372	0.331003584
2.00	16.417	5.969	11.510	0.356571087	0.687574671
2.25	10.786	3.928	15.438	0.234647551	0.922222222
2.50	3.956	0.969	16.407	0.057885305	0.980107527
2.75	0.780	0.134	16.541	0.008004779	0.988112306
3.00	0.159	0.065	16.606	0.003882915	0.991995221
3.25	0.035	0.016	16.622	0.000955795	0.992951016
3.50	0.056	0.042	16.664	0.002508961	0.995459976
3.75	0.050	0.015	16.679	0.000896057	0.996356033
4.00	0.051	0.035	16.714	0.002090800	0.998446834
PAN	0.056	0.026	16.740	0.001553166	1.0

**TOTAL WT.** 83.290 grams  
**DIGESTED WT.** 16.740 grams  
**% SILICA** 20.098

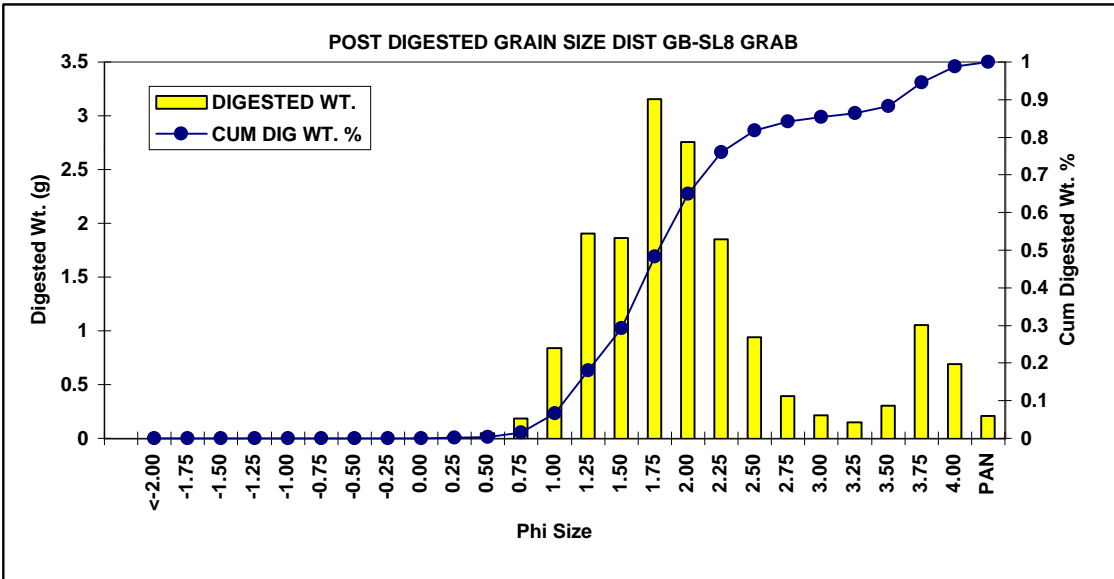


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL8 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.343	0.000	0.000	0.000000000	0.000000000
-1.75	0.353	0.000	0.000	0.000000000	0.000000000
-1.50	0.399	0.000	0.000	0.000000000	0.000000000
-1.25	0.697	0.000	0.000	0.000000000	0.000000000
-1.00	1.092	0.000	0.000	0.000000000	0.000000000
-0.75	1.796	0.000	0.000	0.000000000	0.000000000
-0.50	3.073	0.000	0.000	0.000000000	0.000000000
-0.25	4.320	0.000	0.000	0.000000000	0.000000000
0.00	5.331	0.003	0.003	0.000180886	0.000180886
0.25	7.445	0.017	0.020	0.001025023	0.001205909
0.50	7.835	0.048	0.068	0.002894181	0.004100090
0.75	8.934	0.185	0.253	0.011154658	0.015254748
1.00	11.717	0.841	1.094	0.050708472	0.065963220
1.25	13.710	1.903	2.997	0.114742237	0.180705457
1.50	11.458	1.861	4.858	0.112209828	0.292915285
1.75	14.487	3.155	8.013	0.190232137	0.483147422
2.00	11.017	2.756	10.769	0.166174254	0.649321676
2.25	8.151	1.852	12.621	0.111667169	0.760988845
2.50	5.249	0.942	13.563	0.056798312	0.817787157
2.75	2.364	0.393	13.956	0.023696111	0.841483268
3.00	0.929	0.216	14.172	0.013023817	0.854507085
3.25	0.237	0.149	14.321	0.008984022	0.863491106
3.50	0.689	0.306	14.627	0.018450407	0.881941513
3.75	1.208	1.056	15.683	0.063671993	0.945613506
4.00	0.856	0.691	16.374	0.041664154	0.987277661
PAN	0.377	0.211	16.585	0.012722339	1.0

**TOTAL WT.** 124.067 grams  
**DIGESTED WT.** 16.585 grams  
**% SILICA** 13.368

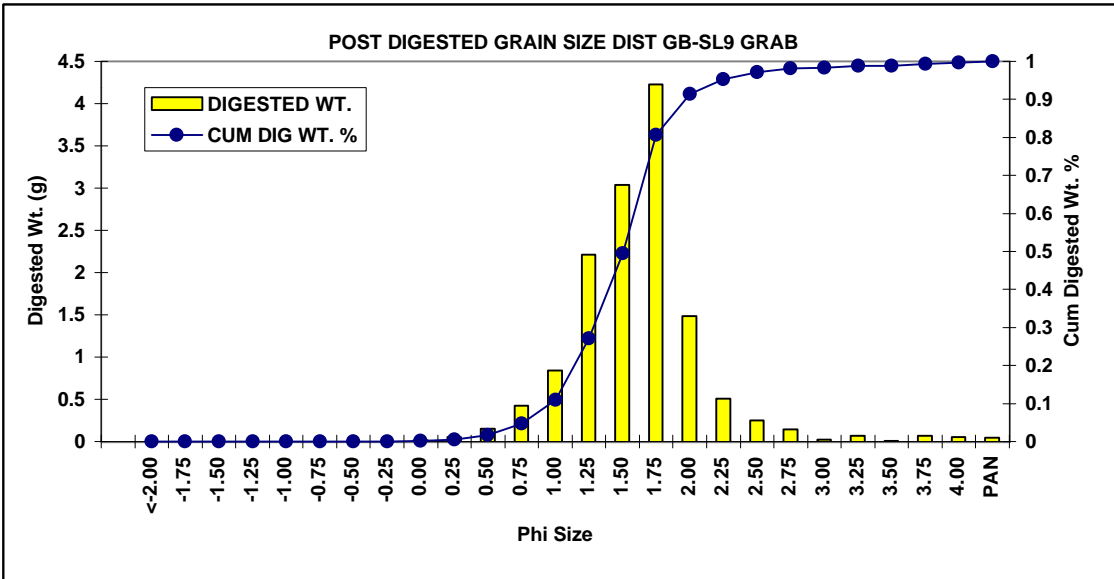


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL9 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	2.823	0.000	0.000	0.000000000	0.000000000
-1.75	0.582	0.000	0.000	0.000000000	0.000000000
-1.50	0.777	0.000	0.000	0.000000000	0.000000000
-1.25	0.997	0.000	0.000	0.000000000	0.000000000
-1.00	1.889	0.000	0.000	0.000000000	0.000000000
-0.75	2.415	0.000	0.000	0.000000000	0.000000000
-0.50	3.415	0.000	0.000	0.000000000	0.000000000
-0.25	4.455	0.000	0.000	0.000000000	0.000000000
0.00	7.820	0.014	0.014	0.001028882	0.001028882
0.25	10.383	0.053	0.067	0.003895054	0.004923936
0.50	14.201	0.152	0.219	0.011170721	0.016094657
0.75	19.816	0.424	0.643	0.031160432	0.047255089
1.00	22.329	0.842	1.485	0.061879915	0.109135004
1.25	16.270	2.213	3.698	0.162636878	0.271771882
1.50	14.849	3.039	6.737	0.223340927	0.495112810
1.75	5.277	4.230	10.967	0.310869405	0.805982215
2.00	1.722	1.483	12.450	0.108988021	0.914970236
2.25	0.887	0.508	12.958	0.037333725	0.952303961
2.50	0.437	0.250	13.208	0.018372896	0.970676857
2.75	0.209	0.145	13.353	0.010656280	0.981333137
3.00	0.027	0.019	13.372	0.001396340	0.982729477
3.25	0.085	0.071	13.443	0.005217903	0.987947380
3.50	0.007	0.005	13.448	0.000367458	0.988314838
3.75	0.084	0.065	13.513	0.004776953	0.993091791
4.00	0.057	0.051	13.564	0.003748071	0.996839862
PAN	0.377	0.043	13.607	0.003160138	1.0

TOTAL WT. 132.190 grams  
 DIGESTED WT. 13.607 grams  
 % SILICA 10.294

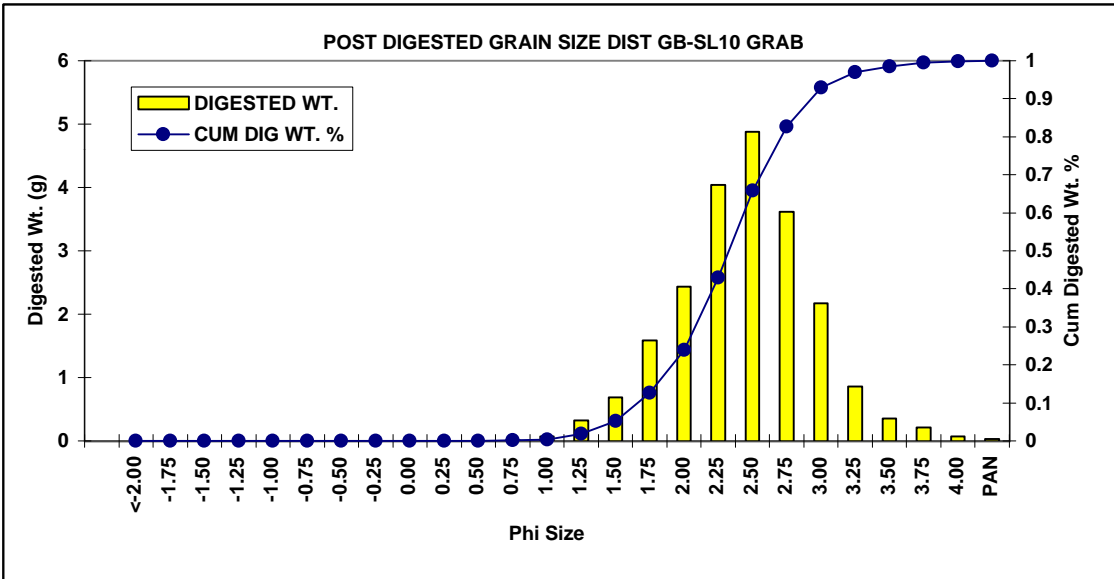


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL10 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.338	0.000	0.000	0.000000000	0.000000000
-1.75	0.052	0.000	0.000	0.000000000	0.000000000
-1.50	0.081	0.000	0.000	0.000000000	0.000000000
-1.25	0.136	0.000	0.000	0.000000000	0.000000000
-1.00	0.114	0.000	0.000	0.000000000	0.000000000
-0.75	0.099	0.000	0.000	0.000000000	0.000000000
-0.50	0.182	0.000	0.000	0.000000000	0.000000000
-0.25	0.359	0.000	0.000	0.000000000	0.000000000
0.00	0.511	0.000	0.000	0.000000000	0.000000000
0.25	0.982	0.002	0.002	0.000093699	0.000093699
0.50	1.580	0.003	0.005	0.000140548	0.000234247
0.75	2.570	0.014	0.019	0.000655891	0.000890138
1.00	4.593	0.068	0.087	0.003185758	0.004075896
1.25	6.263	0.326	0.413	0.015272898	0.019348794
1.50	7.207	0.683	1.096	0.031998126	0.051346920
1.75	11.151	1.586	2.682	0.074303115	0.125650035
2.00	13.580	2.437	5.119	0.114171937	0.239821972
2.25	19.871	4.041	9.160	0.189318342	0.429140314
2.50	25.255	4.874	14.034	0.228343874	0.657484188
2.75	16.993	3.618	17.652	0.169501054	0.826985242
3.00	8.559	2.168	19.820	0.101569454	0.928554697
3.25	1.754	0.862	20.682	0.040384165	0.968938862
3.50	1.402	0.349	21.031	0.016350433	0.985289295
3.75	0.212	0.211	21.242	0.009885219	0.995174514
4.00	0.085	0.072	21.314	0.003373155	0.998547669
PAN	0.067	0.031	21.345	0.001452331	1.0

<b>TOTAL WT.</b>	123.996	grams
<b>DIGESTED WT.</b>	21.345	grams
<b>% SILICA</b>	17.214	



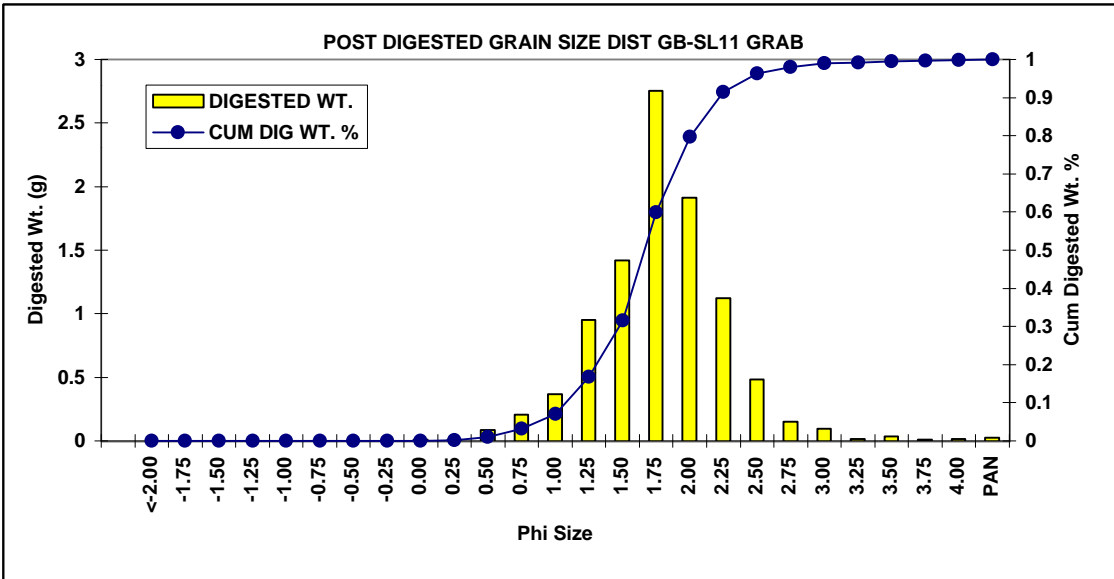


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL11 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.028	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.158	0.000	0.000	0.000000000	0.000000000
-1.00	0.155	0.000	0.000	0.000000000	0.000000000
-0.75	0.305	0.000	0.000	0.000000000	0.000000000
-0.50	0.484	0.000	0.000	0.000000000	0.000000000
-0.25	0.879	0.000	0.000	0.000000000	0.000000000
0.00	1.318	0.008	0.008	0.000826532	0.000826532
0.25	2.204	0.009	0.017	0.000929848	0.001756380
0.50	3.206	0.088	0.105	0.009091848	0.010848228
0.75	4.537	0.206	0.311	0.021283190	0.032131419
1.00	6.638	0.368	0.679	0.038020457	0.070151875
1.25	8.090	0.953	1.632	0.098460585	0.168612460
1.50	7.844	1.418	3.050	0.146502738	0.315115198
1.75	9.311	2.755	5.805	0.284636843	0.599752041
2.00	6.165	1.915	7.720	0.197851018	0.797603058
2.25	3.817	1.124	8.844	0.116127699	0.913730757
2.50	1.854	0.484	9.328	0.050005166	0.963735923
2.75	0.551	0.150	9.478	0.015497469	0.979233392
3.00	0.168	0.098	9.576	0.010125013	0.989358405
3.25	0.024	0.016	9.592	0.001653063	0.991011468
3.50	0.044	0.037	9.629	0.003822709	0.994834177
3.75	0.022	0.010	9.639	0.001033165	0.995867342
4.00	0.018	0.016	9.655	0.001653063	0.997520405
PAN	0.035	0.024	9.679	0.002479595	1.0

**TOTAL WT.** 57.855 grams  
**DIGESTED WT.** 9.679 grams  
**% SILICA** 16.730

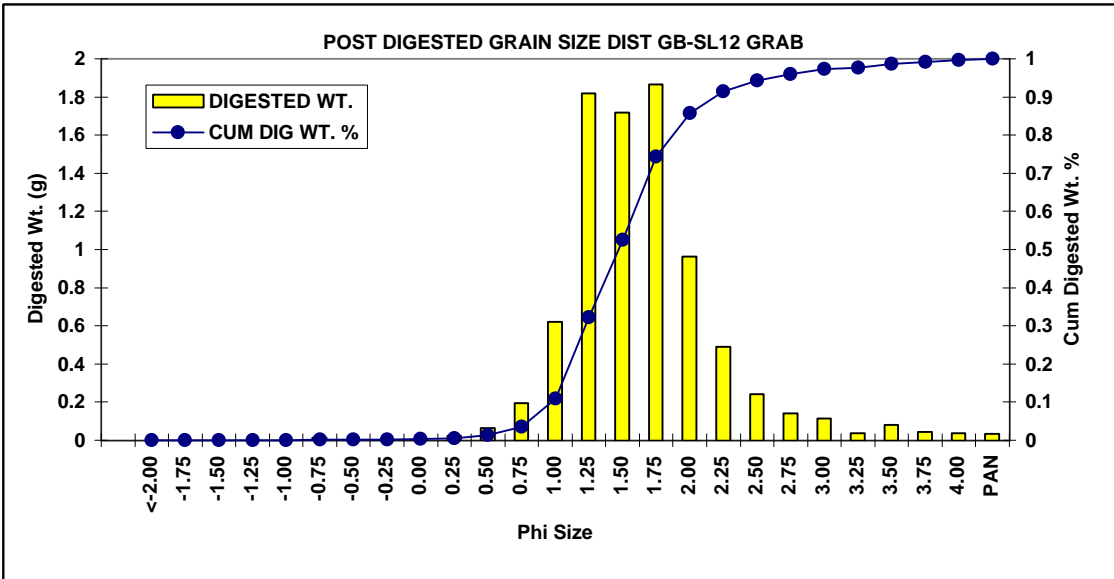


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL12 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.978	0.000	0.000	0.000000000	0.000000000
-1.75	0.872	0.000	0.000	0.000000000	0.000000000
-1.50	1.127	0.000	0.000	0.000000000	0.000000000
-1.25	1.488	0.000	0.000	0.000000000	0.000000000
-1.00	1.592	0.000	0.000	0.000000000	0.000000000
-0.75	2.422	0.013	0.013	0.001527076	0.001527076
-0.50	3.595	0.000	0.013	0.000000000	0.001527076
-0.25	4.558	0.005	0.018	0.000587337	0.002114413
0.00	4.889	0.005	0.023	0.000587337	0.002701750
0.25	6.588	0.025	0.048	0.002936685	0.005638435
0.50	6.748	0.064	0.112	0.007517914	0.013156349
0.75	7.160	0.195	0.307	0.022906144	0.036062493
1.00	8.527	0.622	0.929	0.073064725	0.109127217
1.25	9.394	1.820	2.749	0.213790673	0.322917890
1.50	7.779	1.718	4.467	0.201808998	0.524726888
1.75	7.121	1.865	6.332	0.219076706	0.743803595
2.00	3.526	0.962	7.294	0.113003641	0.856807236
2.25	1.527	0.490	7.784	0.057559027	0.914366263
2.50	0.787	0.240	8.024	0.028192177	0.942558440
2.75	0.415	0.141	8.165	0.016562904	0.959121344
3.00	0.204	0.115	8.280	0.013508751	0.972630095
3.25	0.045	0.036	8.316	0.004228827	0.976858922
3.50	0.093	0.082	8.398	0.009632327	0.986491249
3.75	0.054	0.045	8.443	0.005286033	0.991777282
4.00	0.046	0.036	8.479	0.004228827	0.996006108
PAN	0.083	0.034	8.513	0.003993892	1.0

<b>TOTAL WT.</b>	82.618	grams
<b>DIGESTED WT.</b>	8.513	grams
<b>% SILICA</b>	10.304	

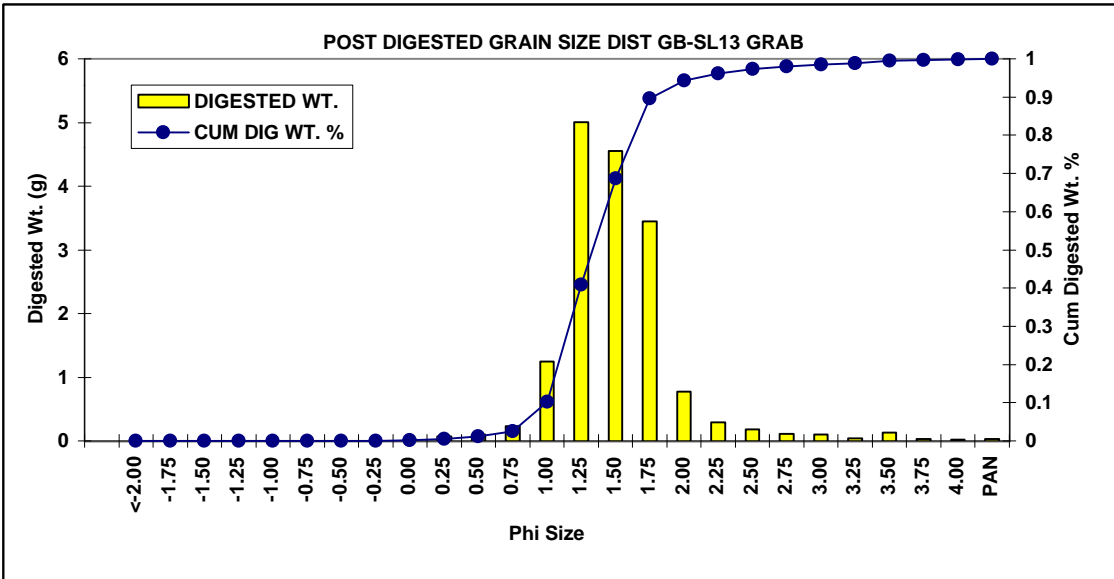


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL13 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	30.667	0.000	0.000	0.000000000	0.000000000
-1.75	1.944	0.000	0.000	0.000000000	0.000000000
-1.50	2.198	0.000	0.000	0.000000000	0.000000000
-1.25	2.254	0.000	0.000	0.000000000	0.000000000
-1.00	2.444	0.000	0.000	0.000000000	0.000000000
-0.75	2.962	0.000	0.000	0.000000000	0.000000000
-0.50	3.374	0.000	0.000	0.000000000	0.000000000
-0.25	3.612	0.002	0.002	0.000122175	0.000122175
0.00	3.500	0.020	0.022	0.001221747	0.001343922
0.25	4.252	0.072	0.094	0.004398290	0.005742211
0.50	4.301	0.102	0.196	0.006230910	0.011973122
0.75	4.994	0.228	0.424	0.013927917	0.025901038
1.00	7.251	1.247	1.671	0.076175932	0.102076970
1.25	11.435	5.006	6.677	0.305803299	0.407880269
1.50	10.801	4.553	11.230	0.278130727	0.686010996
1.75	8.048	3.444	14.674	0.210384850	0.896395846
2.00	2.309	0.775	15.449	0.047342700	0.943738546
2.25	0.661	0.289	15.738	0.017654246	0.961392792
2.50	0.357	0.184	15.922	0.011240073	0.972632865
2.75	0.179	0.107	16.029	0.006536347	0.979169212
3.00	0.121	0.101	16.130	0.006169823	0.985339035
3.25	0.048	0.036	16.166	0.002199145	0.987538180
3.50	0.138	0.129	16.295	0.007880269	0.995418448
3.75	0.042	0.030	16.325	0.001832621	0.997251069
4.00	0.026	0.016	16.341	0.000977398	0.998228467
PAN	0.063	0.029	16.370	0.001771533	1.0

**TOTAL WT.** 107.981 grams  
**DIGESTED WT.** 16.370 grams  
**% SILICA** 15.160

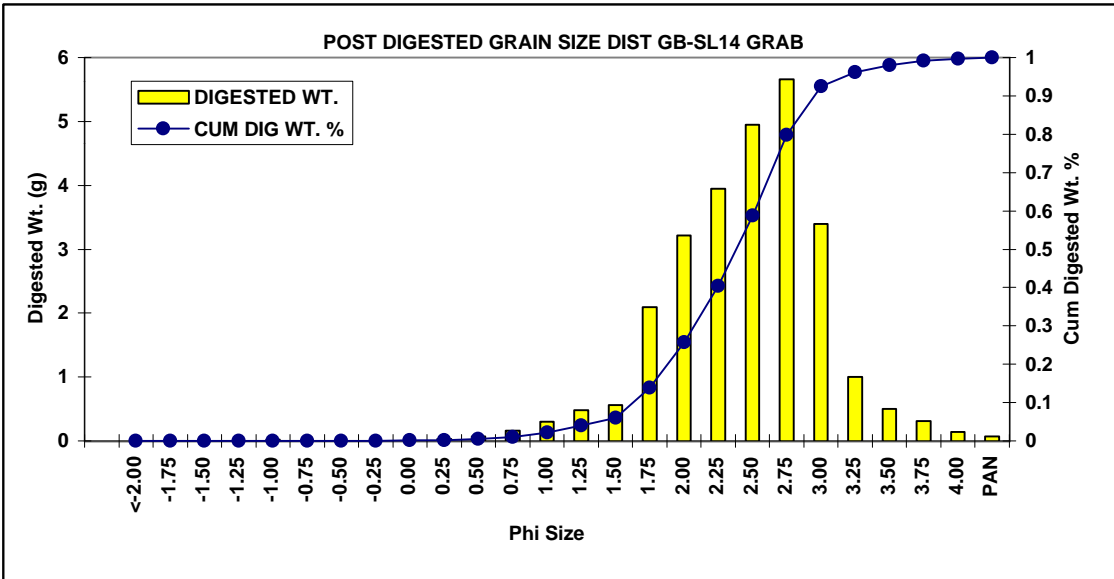


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-SL14 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.052	0.000	0.000	0.000000000	0.000000000
-1.50	0.052	0.000	0.000	0.000000000	0.000000000
-1.25	0.165	0.000	0.000	0.000000000	0.000000000
-1.00	0.205	0.016	0.016	0.000594111	0.000594111
-0.75	0.405	0.000	0.016	0.000000000	0.000594111
-0.50	0.750	0.000	0.016	0.000000000	0.000594111
-0.25	1.161	0.003	0.019	0.000111396	0.000705507
0.00	1.516	0.004	0.023	0.000148528	0.000854034
0.25	2.476	0.031	0.054	0.001151090	0.002005124
0.50	2.911	0.066	0.120	0.002450707	0.004455832
0.75	3.681	0.164	0.284	0.006089636	0.010545468
1.00	5.190	0.298	0.582	0.011065315	0.021610783
1.25	6.270	0.480	1.062	0.017823326	0.039434109
1.50	6.811	0.558	1.620	0.020719617	0.060153726
1.75	11.253	2.098	3.718	0.077902789	0.138056515
2.00	13.579	3.217	6.935	0.119453418	0.257509933
2.25	17.645	3.948	10.883	0.146596859	0.404106791
2.50	24.733	4.945	15.828	0.183617393	0.587724184
2.75	23.435	5.663	21.491	0.210278118	0.798002302
3.00	12.551	3.400	24.891	0.126248561	0.924250863
3.25	2.255	1.003	25.894	0.037243326	0.961494189
3.50	1.566	0.505	26.399	0.018751625	0.980245813
3.75	0.325	0.315	26.714	0.011696558	0.991942371
4.00	0.170	0.143	26.857	0.005309866	0.997252237
PAN	0.200	0.074	26.931	0.002747763	1.0

<b>TOTAL WT.</b>	139.357	grams
<b>DIGESTED WT.</b>	26.931	grams
<b>% SILICA</b>	19.325	

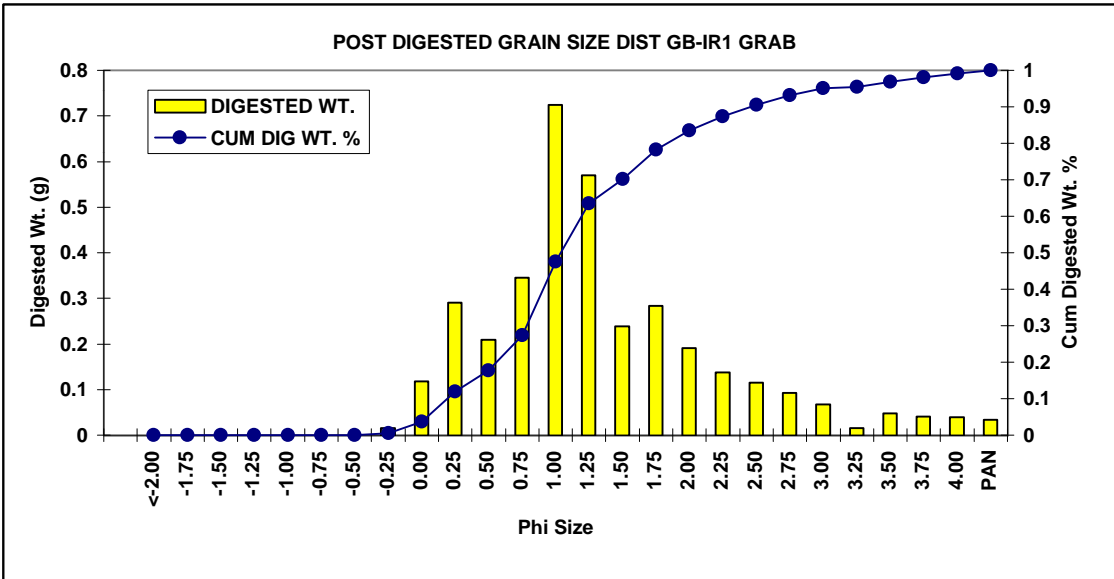


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-IR1 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	12.830	0.000	0.000	0.000000000	0.000000000
-1.75	4.054	0.000	0.000	0.000000000	0.000000000
-1.50	4.717	0.000	0.000	0.000000000	0.000000000
-1.25	6.000	0.000	0.000	0.000000000	0.000000000
-1.00	7.732	0.000	0.000	0.000000000	0.000000000
-0.75	7.720	0.000	0.000	0.000000000	0.000000000
-0.50	6.907	0.000	0.000	0.000000000	0.000000000
-0.25	6.140	0.016	0.016	0.004476777	0.004476777
0.00	4.761	0.118	0.134	0.033016228	0.037493005
0.25	4.648	0.290	0.424	0.081141578	0.118634583
0.50	3.482	0.209	0.633	0.058477896	0.177112479
0.75	3.123	0.345	0.978	0.096530498	0.273642977
1.00	3.289	0.724	1.702	0.202574147	0.476217124
1.25	2.243	0.570	2.272	0.159485171	0.635702294
1.50	0.920	0.239	2.511	0.066871852	0.702574147
1.75	0.818	0.283	2.794	0.079182988	0.781757135
2.00	0.390	0.191	2.985	0.053441522	0.835198657
2.25	0.273	0.137	3.122	0.038332401	0.873531058
2.50	0.215	0.115	3.237	0.032176833	0.905707890
2.75	0.136	0.093	3.330	0.026021265	0.931729155
3.00	0.078	0.068	3.398	0.019026301	0.950755456
3.25	0.024	0.016	3.414	0.004476777	0.955232233
3.50	0.061	0.048	3.462	0.013430330	0.968662563
3.75	0.047	0.040	3.502	0.011191942	0.979854505
4.00	0.049	0.039	3.541	0.010912143	0.990766648
PAN	0.088	0.033	3.574	0.009233352	1.0

TOTAL WT. 80.745 grams  
 DIGESTED WT. 3.574 grams  
 % SILICA 4.426

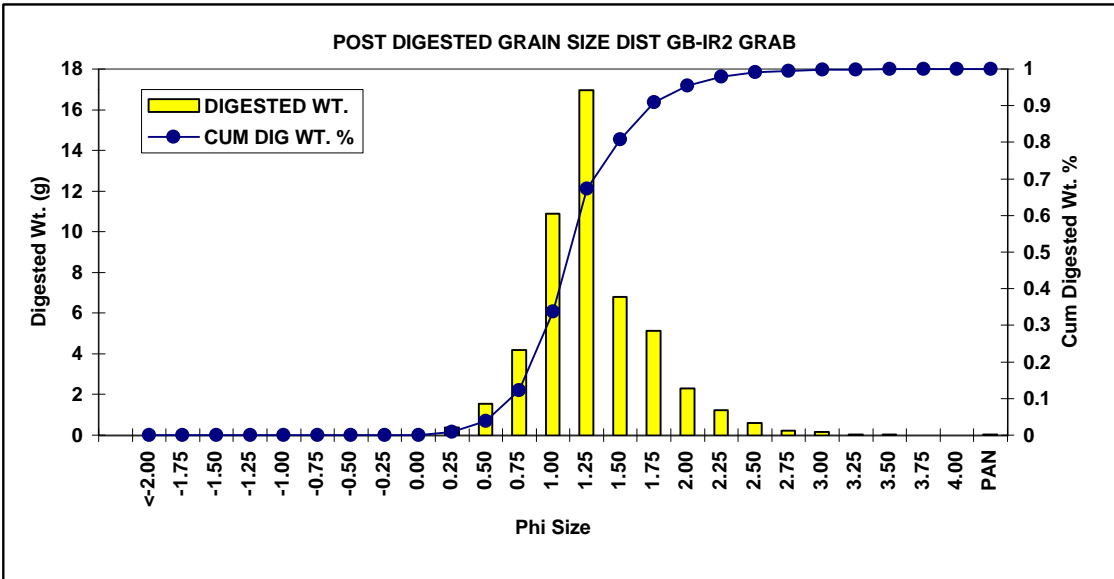


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-IR2 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	18.976	0.000	0.000	0.000000000	0.000000000
-1.75	2.939	0.000	0.000	0.000000000	0.000000000
-1.50	3.136	0.000	0.000	0.000000000	0.000000000
-1.25	5.400	0.000	0.000	0.000000000	0.000000000
-1.00	6.229	0.000	0.000	0.000000000	0.000000000
-0.75	7.452	0.000	0.000	0.000000000	0.000000000
-0.50	9.084	0.000	0.000	0.000000000	0.000000000
-0.25	9.740	0.004	0.004	0.00079224	0.00079224
0.00	10.894	0.007	0.011	0.000138641	0.000217865
0.25	16.618	0.389	0.400	0.007704496	0.007922361
0.50	21.688	1.542	1.942	0.030540701	0.038463062
0.75	28.492	4.197	6.139	0.083125371	0.121588433
1.00	41.394	10.885	17.024	0.215587245	0.337175678
1.25	37.888	16.974	33.998	0.336185383	0.673361062
1.50	17.589	6.801	40.799	0.134699941	0.808061002
1.75	12.458	5.121	45.920	0.101426025	0.909487027
2.00	5.104	2.297	48.217	0.045494157	0.954981184
2.25	2.765	1.214	49.431	0.024044365	0.979025550
2.50	2.369	0.584	50.015	0.011566647	0.990592196
2.75	0.527	0.232	50.247	0.004594969	0.995187166
3.00	0.161	0.148	50.395	0.002931274	0.998118439
3.25	0.043	0.025	50.420	0.000495148	0.998613587
3.50	0.049	0.038	50.458	0.000752624	0.999366211
3.75	0.027	0.010	50.468	0.000198059	0.999564270
4.00	0.020	0.003	50.471	0.000059418	0.999623688
PAN	0.027	0.019	50.490	0.000376312	1.0

TOTAL WT. 261.069 grams  
 DIGESTED WT. 50.490 grams  
 % SILICA 19.340

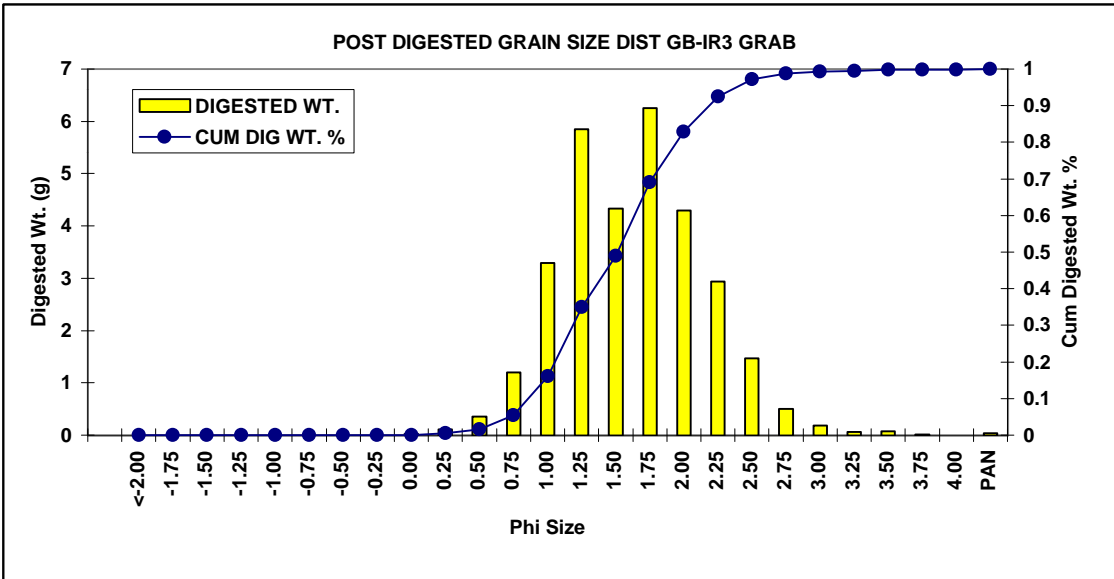


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-IR3 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.075	0.000	0.000	0.000000000	0.000000000
-1.75	0.052	0.000	0.000	0.000000000	0.000000000
-1.50	0.067	0.000	0.000	0.000000000	0.000000000
-1.25	0.128	0.000	0.000	0.000000000	0.000000000
-1.00	0.272	0.000	0.000	0.000000000	0.000000000
-0.75	0.552	0.000	0.000	0.000000000	0.000000000
-0.50	0.767	0.000	0.000	0.000000000	0.000000000
-0.25	1.423	0.000	0.000	0.000000000	0.000000000
0.00	2.115	0.025	0.025	0.000805724	0.000805724
0.25	4.029	0.116	0.141	0.003738559	0.004544283
0.50	5.849	0.358	0.499	0.011537966	0.016082248
0.75	8.812	1.197	1.696	0.038578059	0.054660307
1.00	13.627	3.295	4.991	0.106194405	0.160854712
1.25	16.607	5.850	10.841	0.188539384	0.349394096
1.50	13.108	4.338	15.179	0.139809205	0.489203300
1.75	15.971	6.259	21.438	0.201721026	0.690924326
2.00	11.666	4.296	25.734	0.138455589	0.829379915
2.25	8.703	2.938	28.672	0.094688668	0.924068583
2.50	5.288	1.473	30.145	0.047473250	0.971541833
2.75	1.929	0.502	30.647	0.016178935	0.987720768
3.00	0.489	0.186	30.833	0.005994586	0.993715354
3.25	0.062	0.056	30.889	0.001804821	0.995520175
3.50	0.082	0.079	30.968	0.002546087	0.998066263
3.75	0.031	0.015	30.983	0.000483434	0.998549697
4.00	0.017	0.006	30.989	0.000193374	0.998743071
PAN	0.043	0.039	31.028	0.001256929	1.0

TOTAL WT. 111.764 grams  
 DIGESTED WT. 31.028 grams  
 % SILICA 27.762

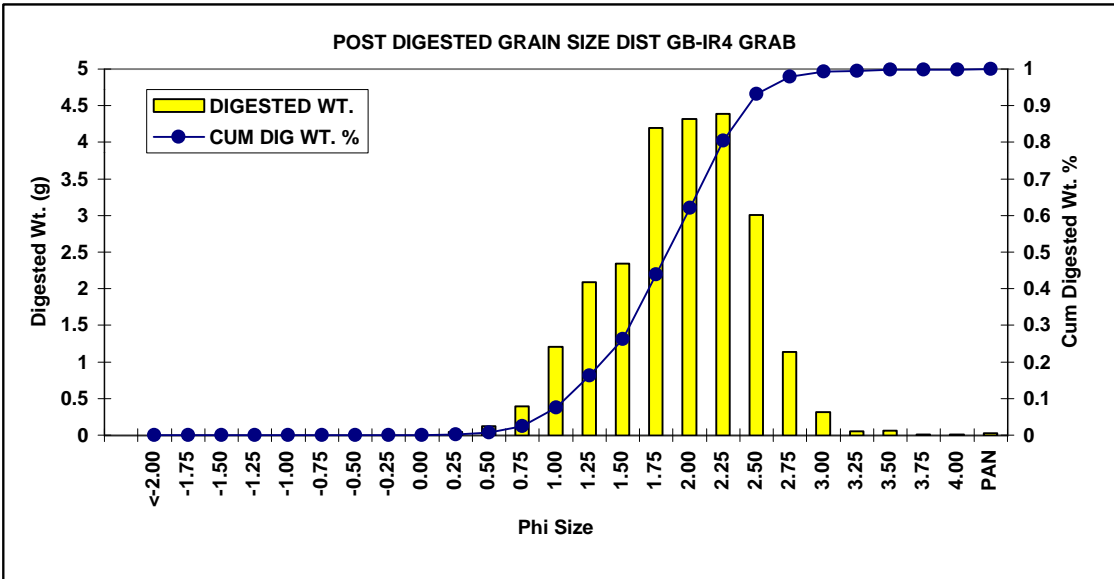


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-IR4 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.185	0.000	0.000	0.000000000	0.000000000
-1.75	0.074	0.000	0.000	0.000000000	0.000000000
-1.50	0.181	0.000	0.000	0.000000000	0.000000000
-1.25	0.207	0.000	0.000	0.000000000	0.000000000
-1.00	0.179	0.000	0.000	0.000000000	0.000000000
-0.75	0.346	0.000	0.000	0.000000000	0.000000000
-0.50	0.620	0.000	0.000	0.000000000	0.000000000
-0.25	0.984	0.001	0.001	0.000042150	0.000042150
0.00	1.295	0.000	0.001	0.000000000	0.000042150
0.25	2.319	0.042	0.043	0.001770285	0.001812434
0.50	3.063	0.126	0.169	0.005310854	0.007123288
0.75	4.209	0.391	0.560	0.016480506	0.023603793
1.00	6.342	1.210	1.770	0.051001054	0.074604847
1.25	8.007	2.091	3.861	0.088134879	0.162739726
1.50	8.247	2.343	6.204	0.098756586	0.261496312
1.75	11.654	4.193	10.397	0.176733404	0.438229715
2.00	10.990	4.314	14.711	0.181833509	0.620063224
2.25	10.692	4.386	19.097	0.184868282	0.804931507
2.50	7.881	3.010	22.107	0.126870390	0.931801897
2.75	3.136	1.138	23.245	0.047966280	0.979768177
3.00	0.732	0.315	23.560	0.013277134	0.993045311
3.25	0.058	0.051	23.611	0.002149631	0.995194942
3.50	0.084	0.064	23.675	0.002697576	0.997892518
3.75	0.022	0.010	23.685	0.000421496	0.998314015
4.00	0.015	0.011	23.696	0.000463646	0.998777661
PAN	0.039	0.029	23.725	0.001222339	1.0

**TOTAL WT.** 81.561 grams  
**DIGESTED WT.** 23.725 grams  
**% SILICA** 29.089



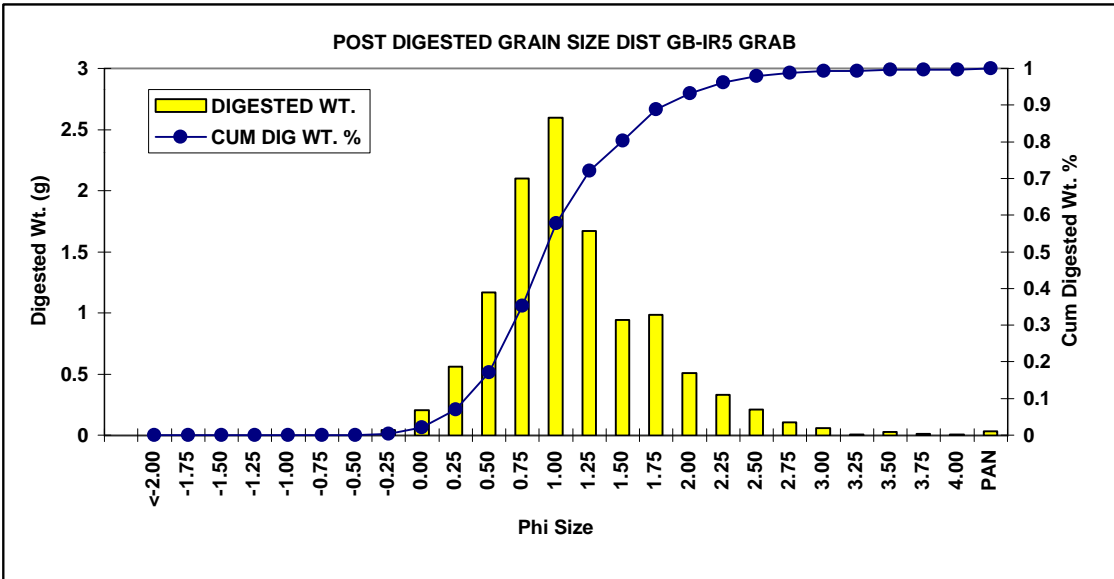


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-IR5 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	6.521	0.000	0.000	0.000000000	0.000000000
-1.75	2.057	0.000	0.000	0.000000000	0.000000000
-1.50	3.063	0.000	0.000	0.000000000	0.000000000
-1.25	4.292	0.000	0.000	0.000000000	0.000000000
-1.00	5.507	0.000	0.000	0.000000000	0.000000000
-0.75	7.325	0.000	0.000	0.000000000	0.000000000
-0.50	8.264	0.000	0.000	0.000000000	0.000000000
-0.25	9.386	0.042	0.042	0.003632904	0.003632904
0.00	10.345	0.205	0.247	0.017732030	0.021364934
0.25	13.370	0.558	0.805	0.04265721	0.069630655
0.50	13.410	1.167	1.972	0.100942825	0.170573480
0.75	13.736	2.099	4.071	0.181558689	0.352132168
1.00	12.869	2.599	6.670	0.224807543	0.576939711
1.25	8.902	1.670	8.340	0.144451172	0.721390883
1.50	4.402	0.941	9.281	0.081394343	0.802785226
1.75	2.084	0.986	10.267	0.085286740	0.888071966
2.00	0.949	0.510	10.777	0.044113831	0.932185797
2.25	0.618	0.332	11.109	0.028717239	0.960903036
2.50	0.407	0.210	11.319	0.018164519	0.979067555
2.75	0.167	0.105	11.424	0.009082259	0.988149814
3.00	0.065	0.059	11.483	0.005103365	0.993253179
3.25	0.013	0.006	11.489	0.000518986	0.993772165
3.50	0.034	0.027	11.516	0.002335438	0.996107603
3.75	0.021	0.008	11.524	0.000691982	0.996799585
4.00	0.018	0.006	11.530	0.000518986	0.997318571
PAN	0.061	0.031	11.561	0.002681429	1.0

TOTAL WT. 127.886 grams  
 DIGESTED WT. 11.561 grams  
 % SILICA 9.040

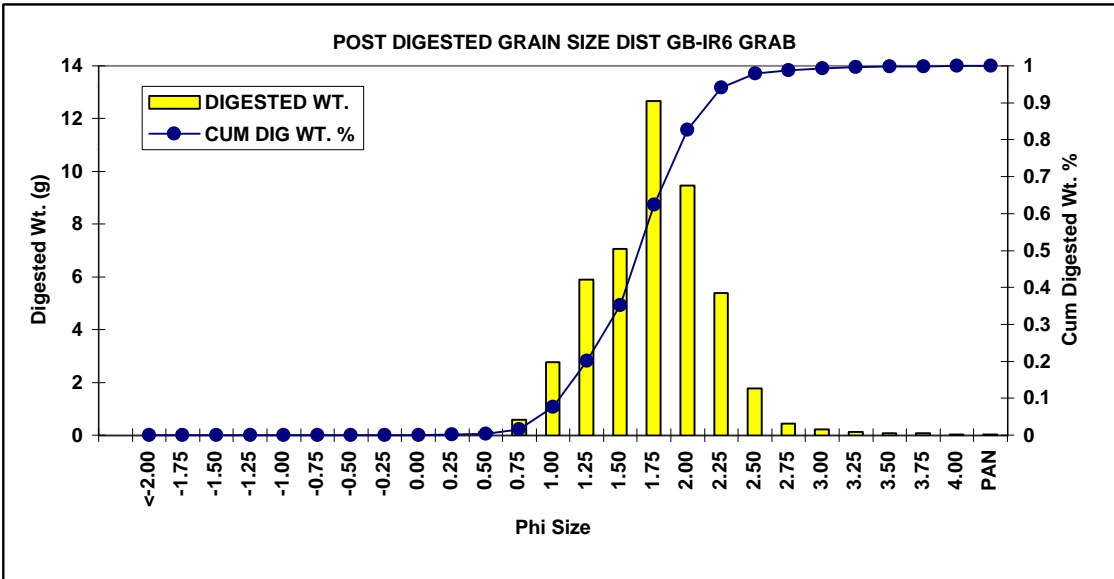


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-IR6 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	8.994	0.000	0.000	0.000000000	0.000000000
-1.75	2.172	0.000	0.000	0.000000000	0.000000000
-1.50	1.905	0.000	0.000	0.000000000	0.000000000
-1.25	3.509	0.000	0.000	0.000000000	0.000000000
-1.00	3.419	0.000	0.000	0.000000000	0.000000000
-0.75	3.627	0.000	0.000	0.000000000	0.000000000
-0.50	4.980	0.000	0.000	0.000000000	0.000000000
-0.25	5.892	0.000	0.000	0.000000000	0.000000000
0.00	6.899	0.008	0.008	0.000171134	0.000171134
0.25	10.792	0.033	0.041	0.000705928	0.000877062
0.50	12.602	0.130	0.171	0.002780927	0.003657989
0.75	16.235	0.589	0.760	0.012599739	0.016257728
1.00	23.164	2.773	3.533	0.059319315	0.075577042
1.25	27.083	5.887	9.420	0.125933215	0.201510257
1.50	15.725	7.058	16.478	0.150982951	0.352493208
1.75	12.871	12.675	29.153	0.271140394	0.623633602
2.00	9.694	9.457	38.610	0.202301752	0.825935354
2.25	5.580	5.385	43.995	0.115194558	0.941129912
2.50	1.958	1.778	45.773	0.038034526	0.979164438
2.75	0.558	0.427	46.200	0.009134276	0.988298714
3.00	0.454	0.228	46.428	0.004877318	0.993176033
3.25	0.182	0.124	46.552	0.002652577	0.995828609
3.50	0.112	0.083	46.635	0.001775515	0.997604124
3.75	0.109	0.062	46.697	0.001326288	0.998930413
4.00	0.033	0.019	46.716	0.000406443	0.999336856
PAN	0.050	0.031	46.747	0.000663144	1.0

TOTAL WT. 178.599 grams  
 DIGESTED WT. 46.747 grams  
 % SILICA 26.174

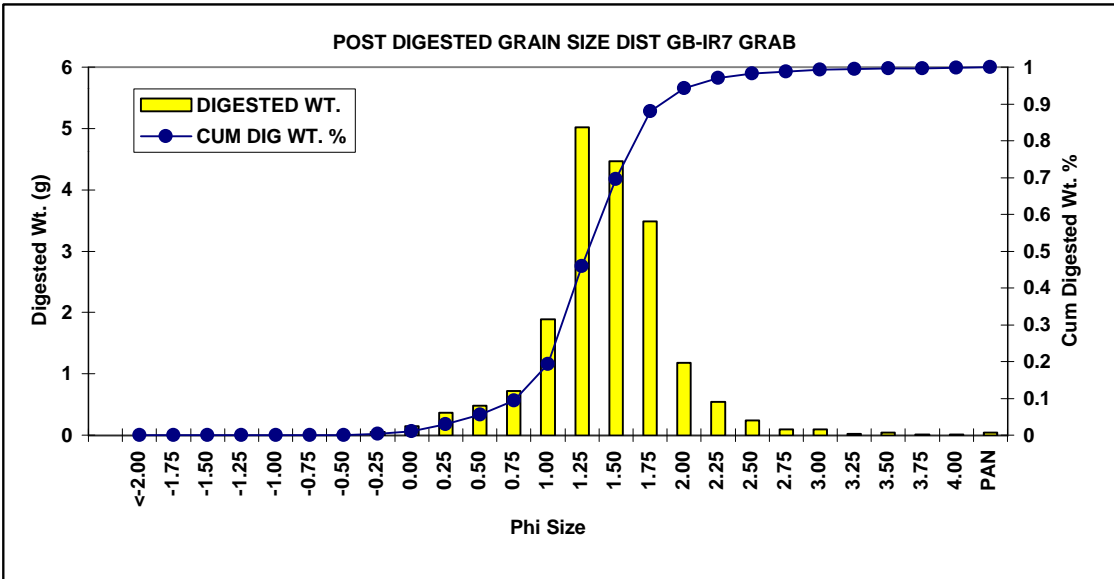


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-IR7 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	11.272	0.000	0.000	0.000000000	0.000000000
-1.75	4.192	0.000	0.000	0.000000000	0.000000000
-1.50	5.067	0.000	0.000	0.000000000	0.000000000
-1.25	6.102	0.000	0.000	0.000000000	0.000000000
-1.00	6.906	0.000	0.000	0.000000000	0.000000000
-0.75	6.615	0.000	0.000	0.000000000	0.000000000
-0.50	7.155	0.012	0.012	0.000634249	0.000634249
-0.25	7.605	0.049	0.061	0.002589852	0.003224101
0.00	7.493	0.150	0.211	0.007928118	0.011152220
0.25	9.293	0.364	0.575	0.019238901	0.030391121
0.50	8.986	0.481	1.056	0.025422833	0.055813953
0.75	9.705	0.718	1.774	0.037949260	0.093763214
1.00	11.559	1.890	3.664	0.099894292	0.193657505
1.25	13.819	5.021	8.685	0.265380550	0.459038055
1.50	10.725	4.467	13.152	0.236099366	0.695137421
1.75	8.193	3.486	16.638	0.184249471	0.879386892
2.00	3.000	1.183	17.821	0.062526427	0.941913319
2.25	1.331	0.543	18.364	0.028699789	0.970613108
2.50	0.629	0.239	18.603	0.012632135	0.983245243
2.75	0.230	0.096	18.699	0.005073996	0.988319239
3.00	0.102	0.090	18.789	0.004756871	0.993076110
3.25	0.024	0.018	18.807	0.000951374	0.994027484
3.50	0.057	0.042	18.849	0.002219873	0.996247357
3.75	0.037	0.015	18.864	0.000792812	0.997040169
4.00	0.035	0.012	18.876	0.000634249	0.997674419
PAN	0.096	0.044	18.920	0.002325581	1.0

TOTAL WT. 140.228 grams  
 DIGESTED WT. 18.920 grams  
 % SILICA 13.492

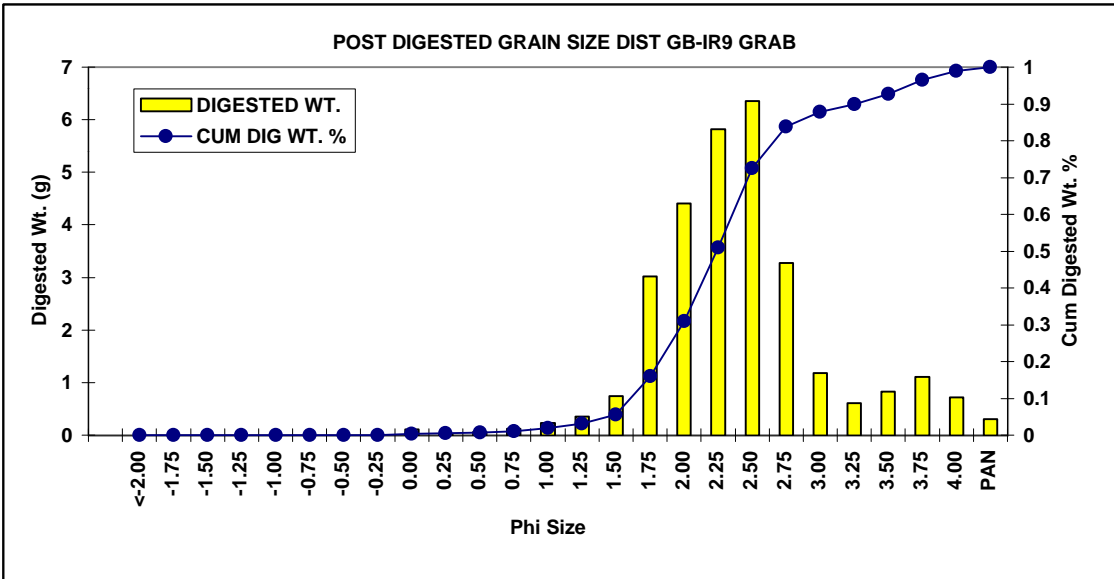


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-IR8 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.585	0.000	0.000	0.000000000	0.000000000
-1.75	0.363	0.000	0.000	0.000000000	0.000000000
-1.50	0.217	0.000	0.000	0.000000000	0.000000000
-1.25	0.362	0.000	0.000	0.000000000	0.000000000
-1.00	0.496	0.000	0.000	0.000000000	0.000000000
-0.75	0.658	0.000	0.000	0.000000000	0.000000000
-0.50	0.879	0.000	0.000	0.000000000	0.000000000
-0.25	1.047	0.001	0.001	0.000034173	0.000034173
0.00	1.027	0.106	0.107	0.003622322	0.003656495
0.25	1.435	0.025	0.132	0.000854321	0.004510816
0.50	1.755	0.057	0.189	0.001947852	0.006458668
0.75	2.308	0.121	0.310	0.004134914	0.010593582
1.00	3.620	0.231	0.541	0.007893927	0.018487510
1.25	4.881	0.356	0.897	0.012165533	0.030653043
1.50	6.113	0.746	1.643	0.025492943	0.056145986
1.75	12.769	3.018	4.661	0.103133650	0.159279636
2.00	17.530	4.408	9.069	0.150633906	0.309913543
2.25	25.326	5.820	14.889	0.198885965	0.508799508
2.50	31.005	6.350	21.239	0.216997574	0.725797082
2.75	18.542	3.271	24.510	0.111779380	0.837576462
3.00	8.461	1.185	25.695	0.040494823	0.878071285
3.25	2.748	0.608	26.303	0.020777091	0.898848375
3.50	2.614	0.830	27.133	0.028363462	0.927211837
3.75	1.955	1.109	28.242	0.037897686	0.965109524
4.00	1.699	0.718	28.960	0.024536104	0.989645628
PAN	3.807	0.303	29.263	0.010354372	1.0

**TOTAL WT.** 152.202 grams  
**DIGESTED WT.** 29.263 grams  
**% SILICA** 19.226

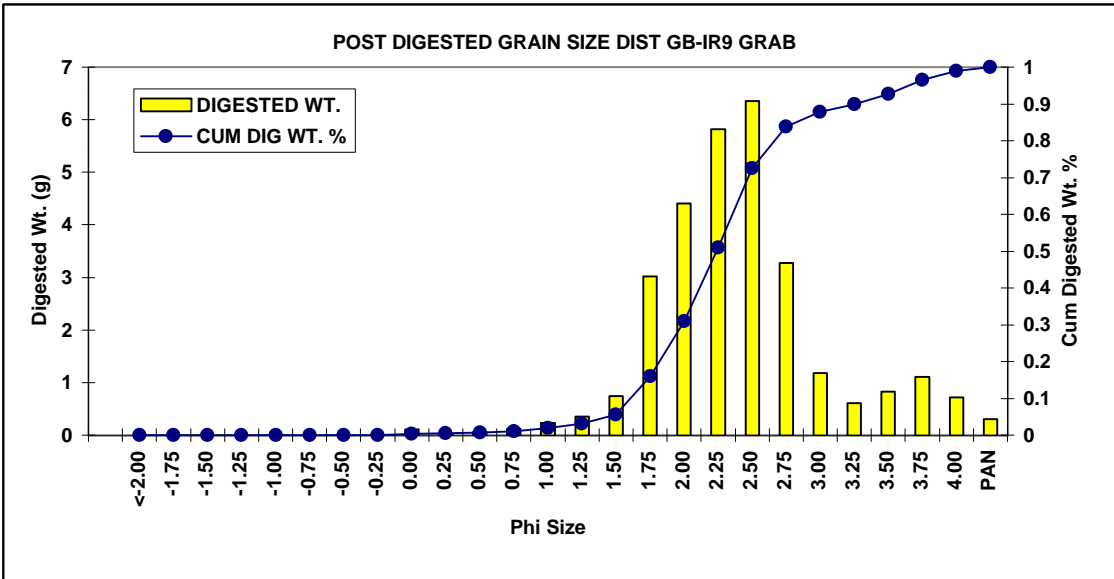


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## GB-IR9 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.585	0.000	0.000	0.000000000	0.000000000
-1.75	0.363	0.000	0.000	0.000000000	0.000000000
-1.50	0.217	0.000	0.000	0.000000000	0.000000000
-1.25	0.362	0.000	0.000	0.000000000	0.000000000
-1.00	0.496	0.000	0.000	0.000000000	0.000000000
-0.75	0.658	0.000	0.000	0.000000000	0.000000000
-0.50	0.879	0.000	0.000	0.000000000	0.000000000
-0.25	1.047	0.001	0.001	0.000034173	0.000034173
0.00	1.027	0.106	0.107	0.003622322	0.003656495
0.25	1.435	0.025	0.132	0.000854321	0.004510816
0.50	1.755	0.057	0.189	0.001947852	0.006458668
0.75	2.308	0.121	0.310	0.004134914	0.010593582
1.00	3.620	0.231	0.541	0.007893927	0.018487510
1.25	4.881	0.356	0.897	0.012165533	0.030653043
1.50	6.113	0.746	1.643	0.025492943	0.056145986
1.75	12.769	3.018	4.661	0.103133650	0.159279636
2.00	17.530	4.408	9.069	0.150633906	0.309913543
2.25	25.326	5.820	14.889	0.198885965	0.508799508
2.50	31.005	6.350	21.239	0.216997574	0.725797082
2.75	18.542	3.271	24.510	0.111779380	0.837576462
3.00	8.461	1.185	25.695	0.040494823	0.878071285
3.25	2.748	0.608	26.303	0.020777091	0.898848375
3.50	2.614	0.830	27.133	0.028363462	0.927211837
3.75	1.955	1.109	28.242	0.037897686	0.965109524
4.00	1.699	0.718	28.960	0.024536104	0.989645628
PAN	3.807	0.303	29.263	0.010354372	1.0

TOTAL WT. 152.202 grams  
 DIGESTED WT. 29.263 grams  
 % SILICA 19.226

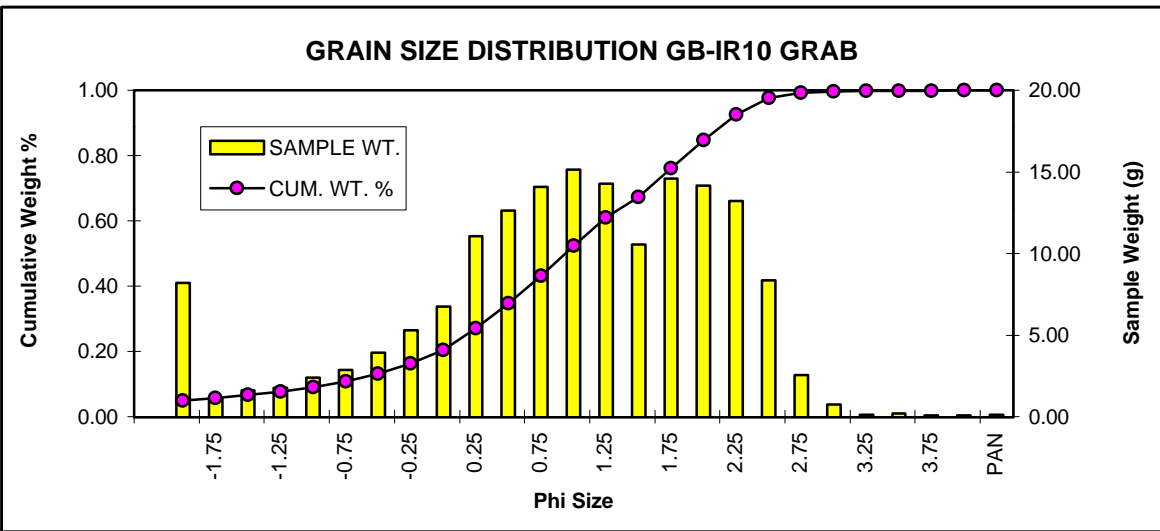


# GRAIN SIZE DISTRIBUTION CHART

## GB-IR10 GRAB

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	8.192	8.192	0.049410953	0.049410953
-1.75	1.104	9.296	0.006658898	0.056069851
-1.50	1.601	10.897	0.009656608	0.065726459
-1.25	1.753	12.650	0.010573413	0.076299872
-1.00	2.406	15.056	0.014512055	0.090811927
-0.75	2.856	17.912	0.017226279	0.108038207
-0.50	3.923	21.835	0.023662008	0.131700214
-0.25	5.309	27.144	0.032021820	0.163722034
0.00	6.727	33.871	0.040574644	0.204296678
0.25	11.074	44.945	0.066794054	0.271090732
0.50	12.633	57.578	0.076197335	0.347288067
0.75	14.066	71.644	0.084840633	0.432128700
1.00	15.128	86.772	0.091247409	0.523376110
1.25	14.278	101.050	0.086119334	0.609495444
1.50	10.559	111.609	0.063687775	0.673183219
1.75	14.572	126.181	0.087892628	0.761075846
2.00	14.176	140.357	0.085504110	0.846579956
2.25	13.218	153.575	0.079725827	0.926305783
2.50	8.346	161.921	0.050339821	0.976645604
2.75	2.541	164.462	0.015326322	0.991971926
3.00	0.733	165.195	0.004421170	0.996393097
3.25	0.131	165.326	0.000790141	0.997183238
3.50	0.189	165.515	0.001139974	0.998323212
3.75	0.080	165.595	0.000482529	0.998805741
4.00	0.062	165.657	0.000373960	0.999179701
PAN	0.136	165.793	0.000820299	1.0

**TOTAL WT.** 165.793 grams  
**MEDIAN WT.** 82.897 grams  
**MEAN GRAIN SIZE** 0.94 phi 0.5212 mm

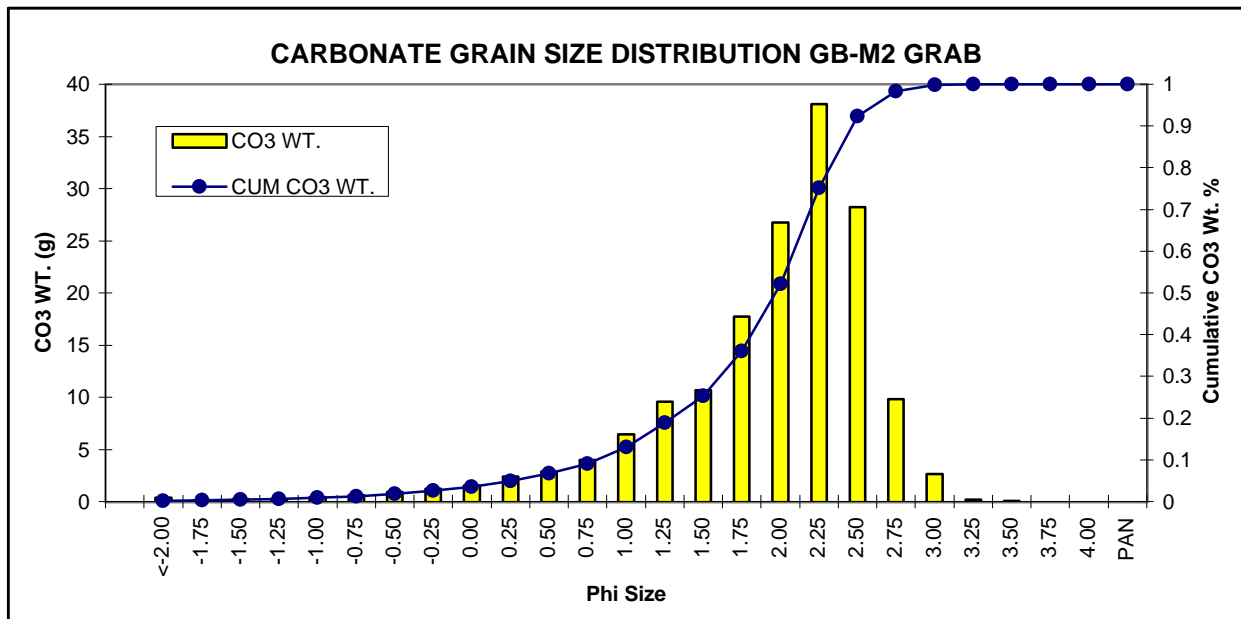


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M2 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.344	0.000	0.344	0.344	0.002081997	0.002081997
-1.75	0.136	0.000	0.136	0.480	0.000823115	0.002905112
-1.50	0.239	0.000	0.239	0.719	0.001446504	0.004351615
-1.25	0.274	0.000	0.274	0.993	0.001658335	0.006009950
-1.00	0.449	0.000	0.449	1.442	0.002717490	0.008727440
-0.75	0.643	0.000	0.643	2.085	0.003891639	0.012619079
-0.50	0.945	0.000	0.945	3.030	0.005719439	0.018338518
-0.25	1.245	0.000	1.245	4.275	0.007535134	0.025873652
0.00	1.521	0.000	1.521	5.796	0.009205573	0.035079225
0.25	2.402	0.000	2.402	8.198	0.014537664	0.049616888
0.50	2.965	0.056	2.909	11.107	0.017606188	0.067223076
0.75	4.187	0.227	3.960	15.067	0.023967172	0.091190249
1.00	7.056	0.616	6.440	21.507	0.038976916	0.130167165
1.25	10.879	1.309	9.570	31.077	0.057920666	0.188087831
1.50	13.158	2.501	10.657	41.734	0.064499534	0.252587365
1.75	25.500	7.774	17.726	59.460	0.107283357	0.359870723
2.00	41.008	14.281	26.727	86.187	0.161760256	0.521630978
2.25	55.205	17.135	38.070	124.257	0.230411679	0.752042657
2.50	38.279	10.032	28.247	152.504	0.170959776	0.923002433
2.75	13.329	3.490	9.839	162.343	0.059548739	0.982551172
3.00	3.955	1.327	2.628	164.971	0.015905487	0.998456659
3.25	0.700	0.540	0.160	165.131	0.000968371	0.999425030
3.50	0.421	0.383	0.038	165.169	0.000229988	0.999655018
3.75	0.091	0.065	0.026	165.195	0.000157360	0.999812378
4.00	0.050	0.036	0.014	165.209	0.000084732	0.999897111
PAN	0.046	0.029	0.017	165.226	0.000102889	1.0

<b>TOTAL WT.</b>	225.027	grams
<b>CO3 WT</b>	165.226	grams
<b>% CARBONATE</b>	73.425	

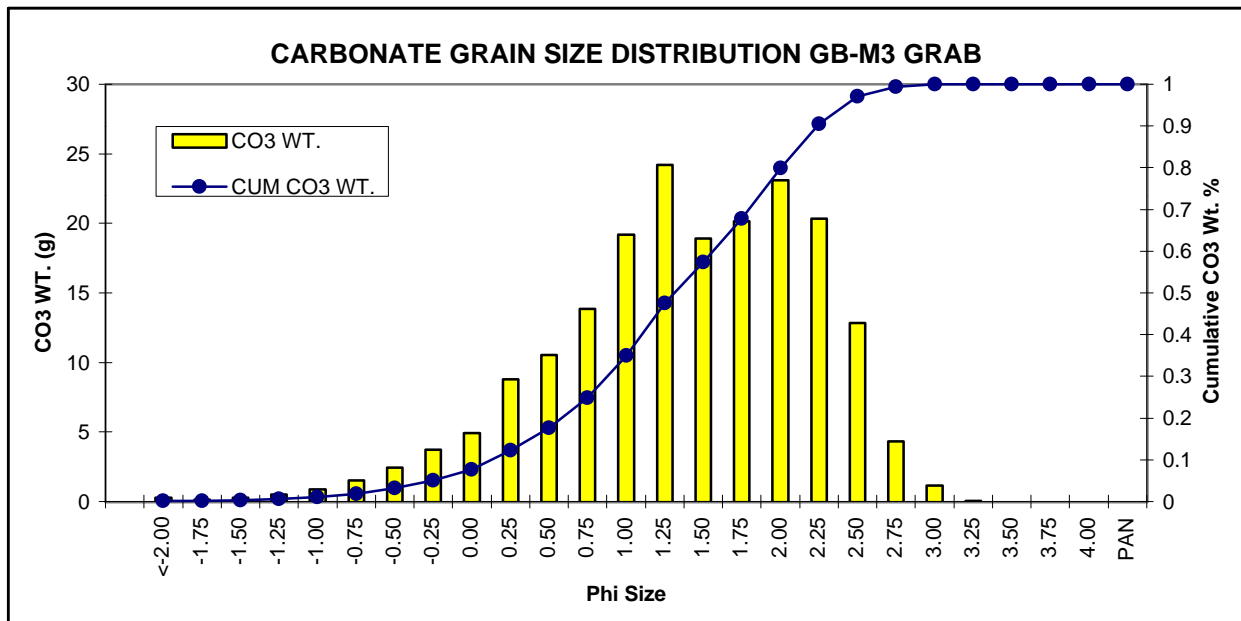


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M3 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.273	0.000	0.273	0.273	0.001420876	0.001420876
-1.75	0.149	0.000	0.149	0.422	0.000775496	0.002196372
-1.50	0.292	0.000	0.292	0.714	0.001519765	0.003716137
-1.25	0.509	0.000	0.509	1.223	0.002649179	0.006365316
-1.00	0.858	0.000	0.858	2.081	0.004465610	0.010830926
-0.75	1.525	0.000	1.525	3.606	0.007937128	0.018768054
-0.50	2.455	0.000	2.455	6.061	0.012777474	0.031545528
-0.25	3.716	0.000	3.716	9.777	0.019340568	0.050886096
0.00	4.915	0.000	4.915	14.692	0.025580972	0.076467067
0.25	8.828	0.052	8.776	23.468	0.045676217	0.122143285
0.50	10.779	0.234	10.545	34.013	0.054883285	0.177026570
0.75	14.585	0.728	13.857	47.870	0.072121165	0.249147735
1.00	21.572	2.365	19.207	67.077	0.099966170	0.349113904
1.25	29.375	5.173	24.202	91.279	0.125963515	0.475077420
1.50	24.744	5.843	18.901	110.180	0.098373539	0.573450959
1.75	30.574	10.411	20.163	130.343	0.104941838	0.678392797
2.00	35.333	12.247	23.086	153.429	0.120155099	0.798547896
2.25	32.708	12.372	20.336	173.765	0.105842246	0.904390142
2.50	19.523	6.696	12.827	186.592	0.066760351	0.971150493
2.75	6.013	1.679	4.334	190.926	0.022557056	0.993707549
3.00	1.695	0.559	1.136	192.062	0.005912509	0.999620059
3.25	0.328	0.303	0.025	192.087	0.000130117	0.999750176
3.50	0.245	0.232	0.013	192.100	0.000067661	0.999817836
3.75	0.095	0.085	0.010	192.110	0.000052047	0.999869883
4.00	0.042	0.026	0.016	192.126	0.000083275	0.999953158
PAN	0.058	0.049	0.009	192.135	0.000046842	1.0

<b>TOTAL WT.</b>	251.189	grams
<b>CO3 WT</b>	192.135	grams
<b>% CARBONATE</b>	76.490	



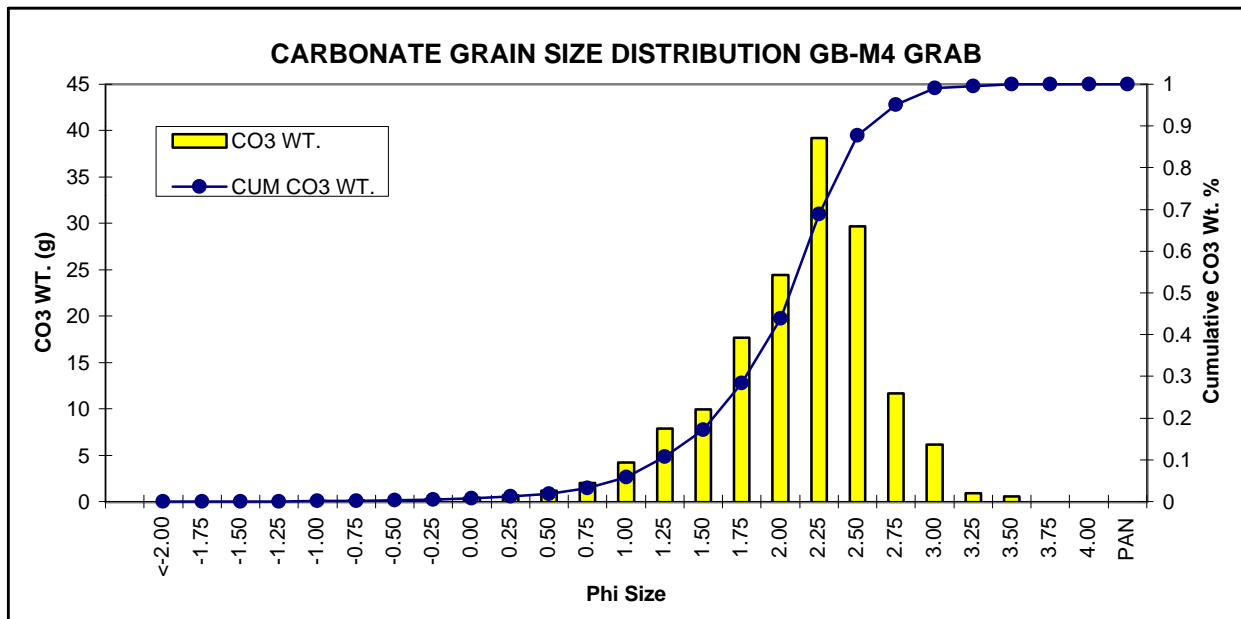


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M4 GRAB

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	0.032	0.000	0.032	0.032	0.000203561	0.000203561
-1.25	0.017	0.000	0.017	0.049	0.000108142	0.000311703
-1.00	0.076	0.000	0.076	0.125	0.000483457	0.000795160
-0.75	0.114	0.000	0.114	0.239	0.000725186	0.001520347
-0.50	0.162	0.000	0.162	0.401	0.001030528	0.002550874
-0.25	0.296	0.000	0.296	0.697	0.001882940	0.004433814
0.00	0.401	0.000	0.401	1.098	0.002550874	0.006984688
0.25	0.718	0.000	0.718	1.816	0.004567401	0.011552089
0.50	1.169	0.004	1.165	2.981	0.007410894	0.018962984
0.75	2.067	0.097	1.970	4.951	0.012531727	0.031494711
1.00	4.787	0.602	4.185	9.136	0.026621968	0.058116679
1.25	9.604	1.761	7.843	16.979	0.049891540	0.108008219
1.50	13.516	3.581	9.935	26.914	0.063199344	0.171207562
1.75	30.487	12.852	17.635	44.549	0.112181220	0.283388783
2.00	41.161	16.713	24.448	68.997	0.155520639	0.438909422
2.25	58.027	18.857	39.170	108.167	0.249171443	0.688080865
2.50	49.944	20.236	29.708	137.875	0.188980986	0.877061851
2.75	21.185	9.517	11.668	149.543	0.074223446	0.951285297
3.00	10.561	4.415	6.146	155.689	0.039096443	0.990381741
3.25	2.725	1.842	0.883	156.572	0.005617013	0.995998753
3.50	1.694	1.109	0.585	157.157	0.003721350	0.999720104
3.75	0.541	0.522	0.019	157.176	0.000120864	0.999840968
4.00	0.160	0.141	0.019	157.195	0.000120864	0.999961832
PAN	0.085	0.079	0.006	157.201	0.000038168	1.0

<b>TOTAL WT.</b>	249.529	grams
<b>CO3 WT</b>	157.201	grams
<b>% CARBONATE</b>	62.999	

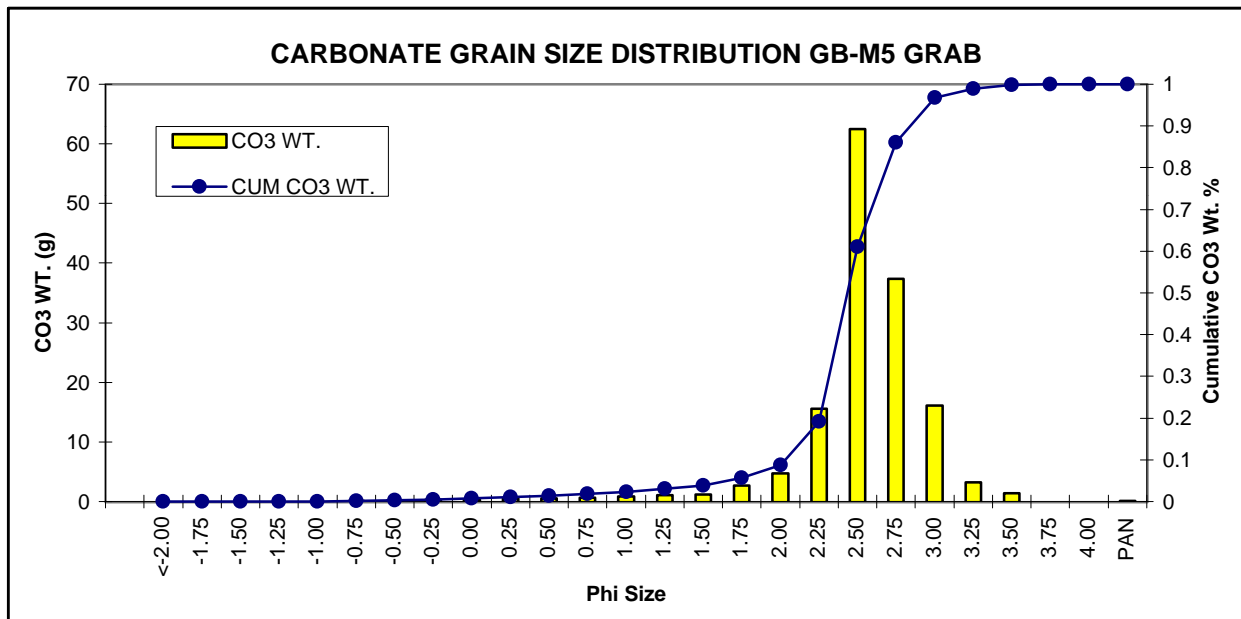


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M5 GRAB

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	0.000213980	0.000213980
-1.00	0.047	0.000	0.047	0.079	0.000314282	0.000528262
-0.75	0.099	0.000	0.099	0.178	0.000661999	0.001190261
-0.50	0.234	0.000	0.234	0.412	0.001564725	0.002754987
-0.25	0.307	0.000	0.307	0.719	0.002052866	0.004807853
0.00	0.348	0.000	0.348	1.067	0.002327028	0.007134881
0.25	0.492	0.000	0.492	1.559	0.003289936	0.010424816
0.50	0.515	0.008	0.507	2.066	0.003390239	0.013815055
0.75	0.623	0.020	0.603	2.669	0.004032177	0.017847232
1.00	0.883	0.061	0.822	3.491	0.005496600	0.023343832
1.25	1.240	0.128	1.112	4.603	0.007435789	0.030779621
1.50	1.494	0.307	1.187	5.790	0.007937304	0.038716925
1.75	3.714	1.075	2.639	8.429	0.017646626	0.056363551
2.00	7.005	2.274	4.731	13.160	0.031635539	0.087999091
2.25	19.718	4.172	15.546	28.706	0.103953941	0.191953031
2.50	72.858	10.381	62.477	91.183	0.417775014	0.609728045
2.75	50.887	13.492	37.395	128.578	0.250055167	0.859783212
3.00	23.970	7.827	16.143	144.721	0.107945997	0.967729209
3.25	6.141	2.877	3.264	147.985	0.021825914	0.989555123
3.50	3.333	1.894	1.439	149.424	0.009622393	0.999177516
3.75	1.744	1.701	0.043	149.467	0.000287535	0.999465051
4.00	0.627	0.621	0.006	149.473	0.000040121	0.999505172
PAN	0.265	0.191	0.074	149.547	0.000494828	1.0

<b>TOTAL WT.</b>	196.576	grams
<b>CO3 WT</b>	149.547	grams
<b>% CARBONATE</b>	76.076	

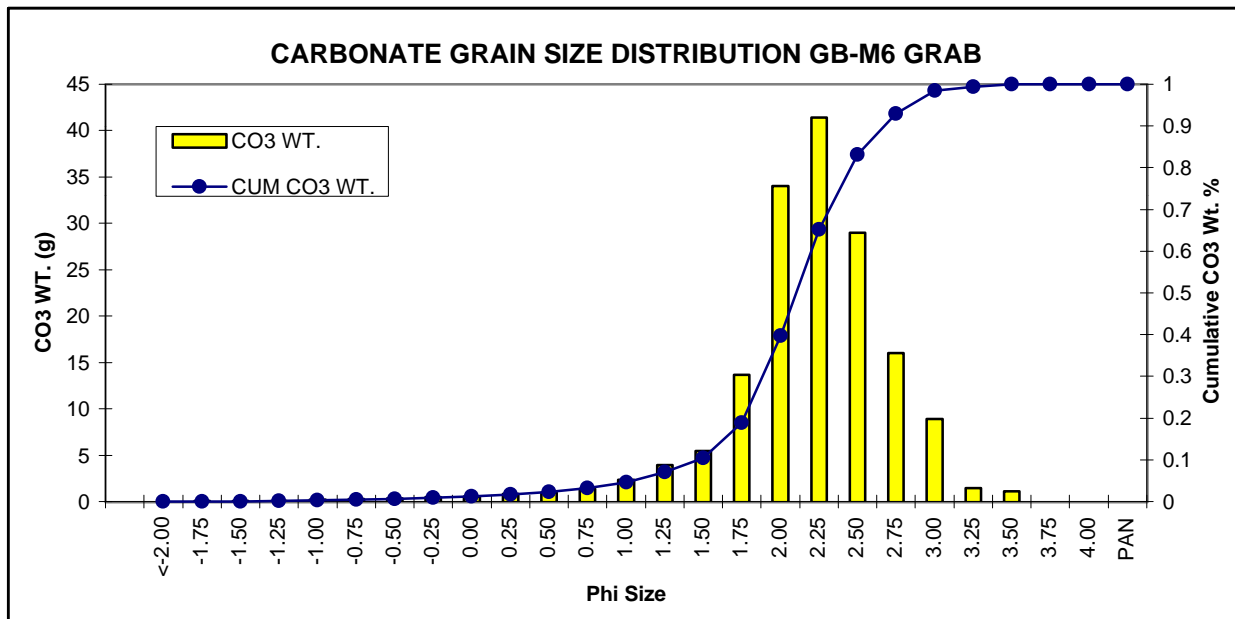


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M6 GRAB

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	0.047	0.000	0.047	0.047	0.000289439	0.000289439
-1.50	0.041	0.000	0.041	0.088	0.000252489	0.000541929
-1.25	0.093	0.000	0.093	0.181	0.000572720	0.001114649
-1.00	0.193	0.000	0.193	0.374	0.001188548	0.002303197
-0.75	0.251	0.000	0.251	0.625	0.001545728	0.003848925
-0.50	0.334	0.000	0.334	0.959	0.002056866	0.005905791
-0.25	0.462	0.000	0.462	1.421	0.002845125	0.008750916
0.00	0.557	0.000	0.557	1.978	0.003430162	0.012181078
0.25	0.827	0.008	0.819	2.797	0.005043631	0.017224709
0.50	1.014	0.023	0.991	3.788	0.006102856	0.023327565
0.75	1.445	0.065	1.380	5.168	0.008498427	0.031825992
1.00	2.502	0.150	2.352	7.520	0.014484275	0.046310266
1.25	4.168	0.246	3.922	11.442	0.024152775	0.070463041
1.50	6.331	0.870	5.461	16.903	0.033630368	0.104093409
1.75	20.626	6.994	13.632	30.535	0.083949675	0.188043083
2.00	52.260	18.258	34.002	64.537	0.209393840	0.397436924
2.25	62.815	21.415	41.400	105.937	0.254952797	0.652389721
2.50	38.904	9.945	28.959	134.896	0.178337634	0.830727354
2.75	23.111	7.068	16.043	150.939	0.098797288	0.929524642
3.00	16.331	7.444	8.887	159.826	0.054728635	0.984253278
3.25	5.060	3.619	1.441	161.267	0.008874082	0.993127359
3.50	2.873	1.799	1.074	162.341	0.006613993	0.999741352
3.75	0.912	0.890	0.022	162.363	0.000135482	0.999876834
4.00	0.201	0.191	0.010	162.373	0.000061583	0.999938417
PAN	0.089	0.079	0.010	162.383	0.000061583	1.0

<b>TOTAL WT.</b>	241.447	grams
<b>CO3 WT</b>	162.383	grams
<b>% CARBONATE</b>	67.254	

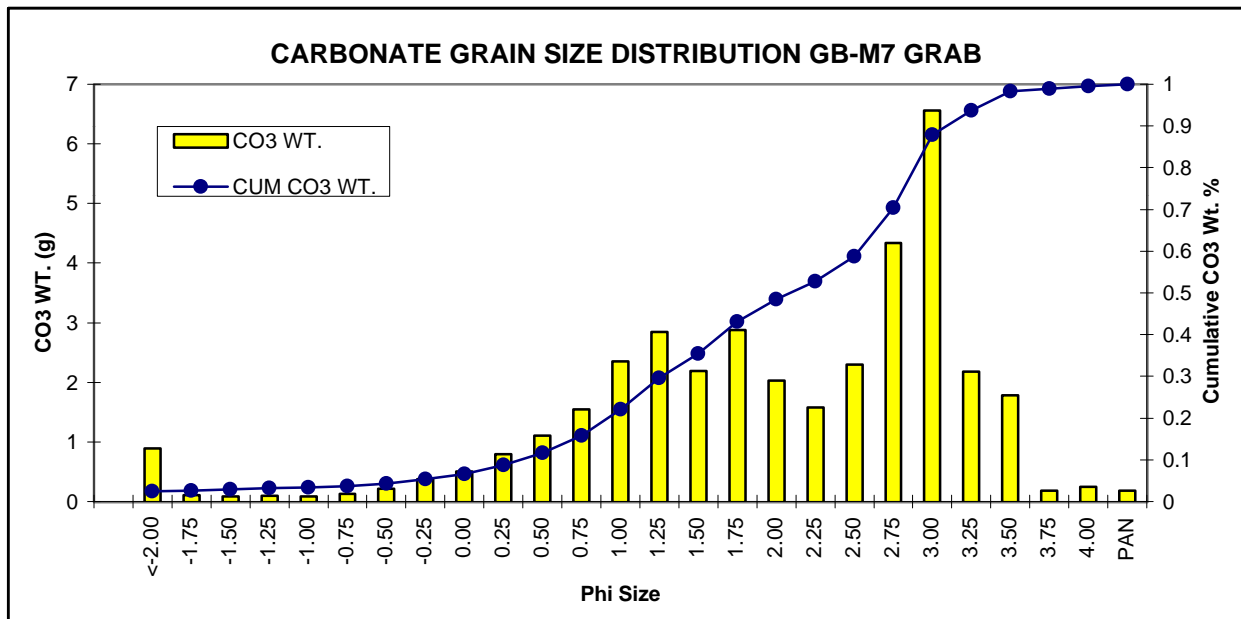


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M7 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.895	0.000	0.895	0.895	0.023829810	0.023829810
-1.75	0.102	0.000	0.102	0.997	0.002715800	0.026545609
-1.50	0.091	0.000	0.091	1.088	0.002422919	0.028968529
-1.25	0.094	0.000	0.094	1.182	0.002502796	0.031471324
-1.00	0.087	0.000	0.087	1.269	0.002316417	0.033787742
-0.75	0.127	0.000	0.127	1.396	0.003381437	0.037169178
-0.50	0.215	0.000	0.215	1.611	0.005724479	0.042893658
-0.25	0.377	0.000	0.377	1.988	0.010037808	0.052931466
0.00	0.500	0.000	0.500	2.488	0.013312743	0.066244209
0.25	0.796	0.000	0.796	3.284	0.021193887	0.087438096
0.50	1.103	0.000	1.103	4.387	0.029367911	0.116806007
0.75	1.546	0.001	1.545	5.932	0.041136376	0.157942382
1.00	2.367	0.016	2.351	8.283	0.062596517	0.220538900
1.25	3.253	0.411	2.842	11.125	0.075669631	0.296208531
1.50	2.871	0.682	2.189	13.314	0.058283189	0.354491719
1.75	3.909	1.030	2.879	16.193	0.076654774	0.431146493
2.00	2.766	0.742	2.024	18.217	0.053889983	0.485036477
2.25	2.080	0.507	1.573	19.790	0.041881889	0.526918366
2.50	2.746	0.448	2.298	22.088	0.061185367	0.588103733
2.75	5.848	1.512	4.336	26.424	0.115448107	0.703551840
3.00	9.989	3.429	6.560	32.984	0.174663188	0.878215027
3.25	4.484	2.300	2.184	35.168	0.058150061	0.936365089
3.50	3.947	2.170	1.777	36.945	0.047313488	0.983678577
3.75	3.093	2.909	0.184	37.129	0.004899089	0.988577667
4.00	1.388	1.146	0.242	37.371	0.006443368	0.995021034
PAN	0.477	0.290	0.187	37.558	0.004978966	1.0

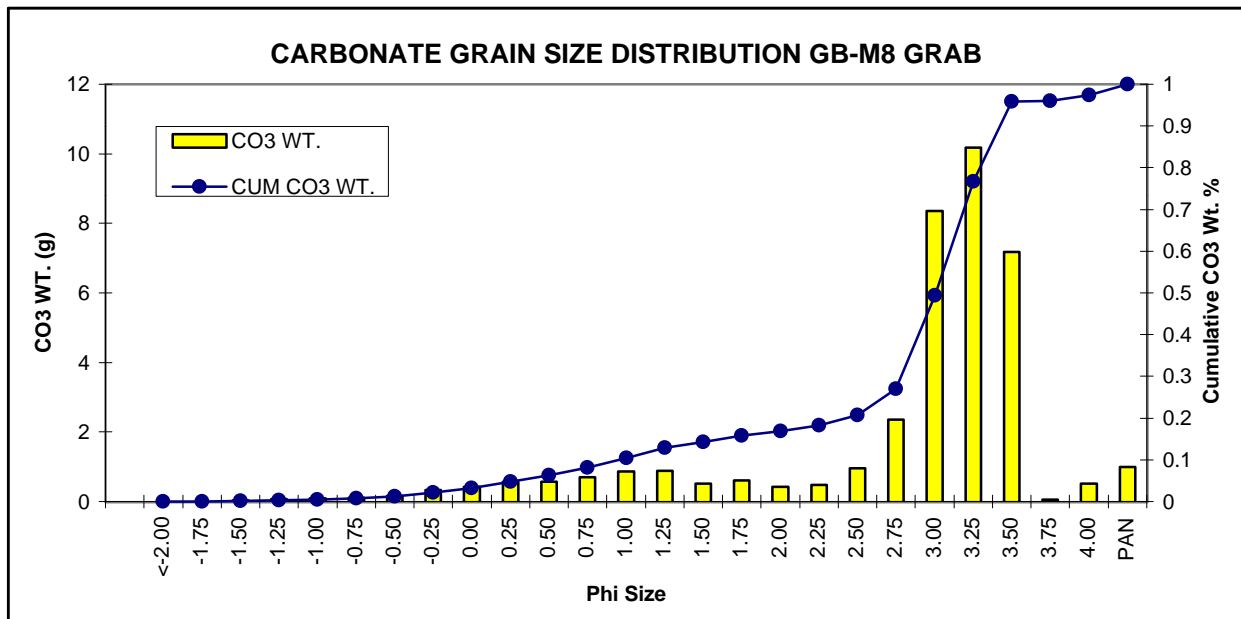
<b>TOTAL WT.</b>	55.151	grams
<b>CO3 WT</b>	37.558	grams
<b>% CARBONATE</b>	68.100	



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M8 GRAB

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	0.032	0.000	0.032	0.032	0.000855386	0.000855386
-1.25	0.067	0.000	0.067	0.099	0.001790965	0.002646351
-1.00	0.087	0.000	0.087	0.186	0.002325581	0.004971933
-0.75	0.109	0.000	0.109	0.295	0.002913659	0.007885592
-0.50	0.169	0.000	0.169	0.464	0.004517509	0.012403101
-0.25	0.340	0.000	0.340	0.804	0.009088479	0.021491580
0.00	0.422	0.003	0.419	1.223	0.011200214	0.032691794
0.25	0.594	0.028	0.566	1.789	0.015129644	0.047821438
0.50	0.607	0.037	0.570	2.359	0.015236568	0.063058006
0.75	0.770	0.078	0.692	3.051	0.018497728	0.081555734
1.00	1.015	0.152	0.863	3.914	0.023068698	0.104624432
1.25	1.026	0.148	0.878	4.792	0.023469661	0.128094092
1.50	0.693	0.172	0.521	5.313	0.013926758	0.142020850
1.75	0.826	0.219	0.607	5.920	0.016225608	0.158246458
2.00	0.608	0.192	0.416	6.336	0.011120021	0.169366480
2.25	0.598	0.127	0.471	6.807	0.012590217	0.181956696
2.50	1.073	0.109	0.964	7.771	0.025768511	0.207725207
2.75	2.866	0.517	2.349	10.120	0.062790698	0.270515905
3.00	12.363	4.003	8.360	18.480	0.223469661	0.493985565
3.25	19.036	8.849	10.187	28.667	0.272306870	0.766292435
3.50	32.317	25.145	7.172	35.839	0.191713446	0.958005881
3.75	18.028	17.965	0.063	35.902	0.001684042	0.959689922
4.00	8.731	8.223	0.508	36.410	0.013579257	0.973269179
PAN	3.375	2.375	1.000	37.410	0.026730821	1.0
<b>TOTAL WT.</b>				105.752	grams	
<b>CO3 WT</b>				37.410	grams	
<b>% CARBONATE</b>				35.375		



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M9 GRAB

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	0.013	0.000	0.013	0.013	0.000599272	0.000599272
-1.00	0.006	0.000	0.006	0.019	0.000276587	0.000875859
-0.75	0.030	0.000	0.030	0.049	0.001382935	0.002258793
-0.50	0.038	0.000	0.038	0.087	0.001751717	0.004010510
-0.25	0.055	0.000	0.055	0.142	0.002535380	0.006545890
0.00	0.062	0.000	0.062	0.204	0.002858065	0.009403955
0.25	0.085	0.010	0.075	0.279	0.003457336	0.012861292
0.50	0.111	0.015	0.096	0.375	0.004425391	0.017286682
0.75	0.141	0.013	0.128	0.503	0.005900521	0.023187203
1.00	0.179	0.021	0.158	0.661	0.007283455	0.030470659
1.25	0.276	0.031	0.245	0.906	0.011293966	0.041764625
1.50	0.248	0.055	0.193	1.099	0.008896879	0.050661504
1.75	0.576	0.170	0.406	1.505	0.018715715	0.069377218
2.00	0.732	0.233	0.499	2.004	0.023002812	0.092380030
2.25	0.763	0.208	0.555	2.559	0.025584290	0.117964320
2.50	0.770	0.140	0.630	3.189	0.029041626	0.147005947
2.75	1.208	0.284	0.924	4.113	0.042594385	0.189600332
3.00	5.006	2.029	2.977	7.090	0.137233209	0.326833541
3.25	17.128	7.874	9.254	16.344	0.426589222	0.753422763
3.50	32.484	27.929	4.555	20.899	0.209975568	0.963398331
3.75	15.231	15.019	0.212	21.111	0.009772738	0.973171069
4.00	5.974	5.725	0.249	21.360	0.011478357	0.984649426
PAN	1.590	1.257	0.333	21.693	0.015350574	1.0

TOTAL WT.

82.706

grams

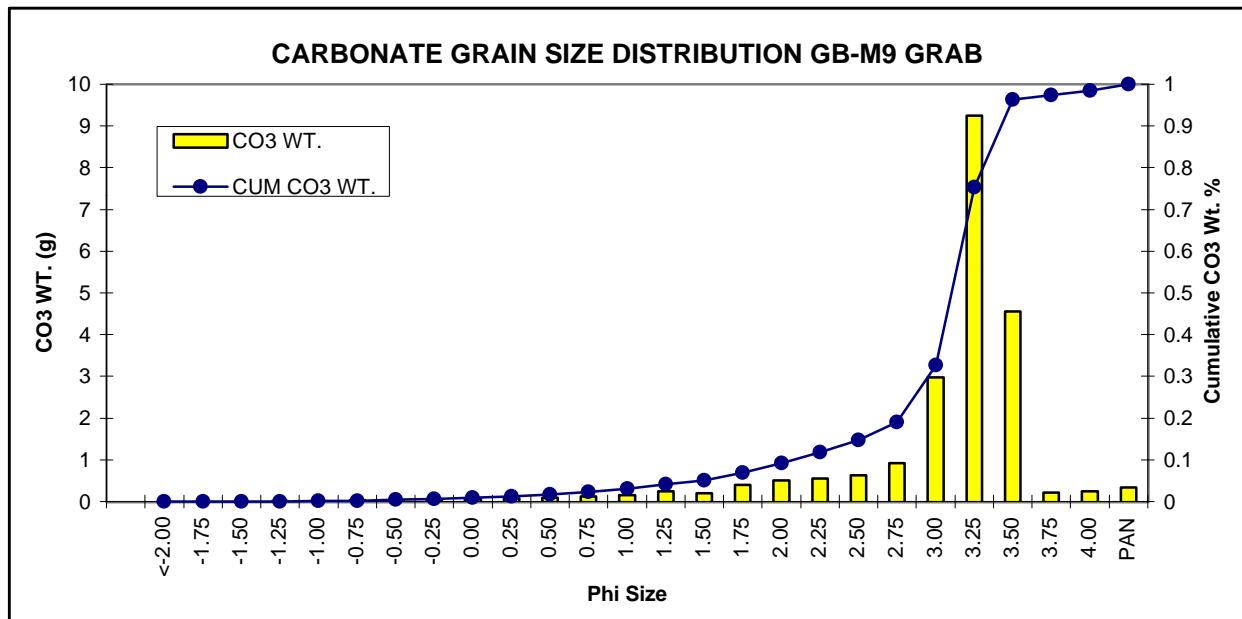
CO3 WT

21.693

grams

% CARBONATE

26.229



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M10 GRAB

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	0.007	0.000	0.007	0.007	0.000515123	0.000515123
-1.00	0.006	0.000	0.006	0.013	0.000441534	0.000956656
-0.75	0.024	0.000	0.024	0.037	0.001766134	0.002722790
-0.50	0.014	0.000	0.014	0.051	0.001030245	0.003753036
-0.25	0.022	0.000	0.022	0.073	0.001618957	0.005371992
0.00	0.034	0.006	0.028	0.101	0.002060490	0.007432482
0.25	0.035	0.001	0.034	0.135	0.002502024	0.009934506
0.50	0.060	0.003	0.057	0.192	0.004194569	0.014129075
0.75	0.072	0.008	0.064	0.256	0.004709692	0.018838767
1.00	0.103	0.029	0.074	0.330	0.005445581	0.024284348
1.25	0.109	0.018	0.091	0.421	0.006696593	0.030980940
1.50	0.087	0.023	0.064	0.485	0.004709692	0.035690632
1.75	0.168	0.052	0.116	0.601	0.008536316	0.044226948
2.00	0.231	0.083	0.148	0.749	0.010891162	0.055118110
2.25	0.246	0.097	0.149	0.898	0.010964751	0.066082861
2.50	0.326	0.111	0.215	1.113	0.015821620	0.081904482
2.75	0.733	0.252	0.481	1.594	0.035396276	0.117300758
3.00	5.014	2.564	2.450	4.044	0.180292884	0.297593642
3.25	25.737	17.403	8.334	12.378	0.613290161	0.910883803
3.50	29.317	28.633	0.684	13.062	0.050334830	0.961218633
3.75	10.846	10.640	0.206	13.268	0.015159320	0.976377953
4.00	3.214	3.014	0.200	13.468	0.014717786	0.991095739
PAN	0.740	0.619	0.121	13.589	0.008904261	1.0

TOTAL WT.

77.145

grams

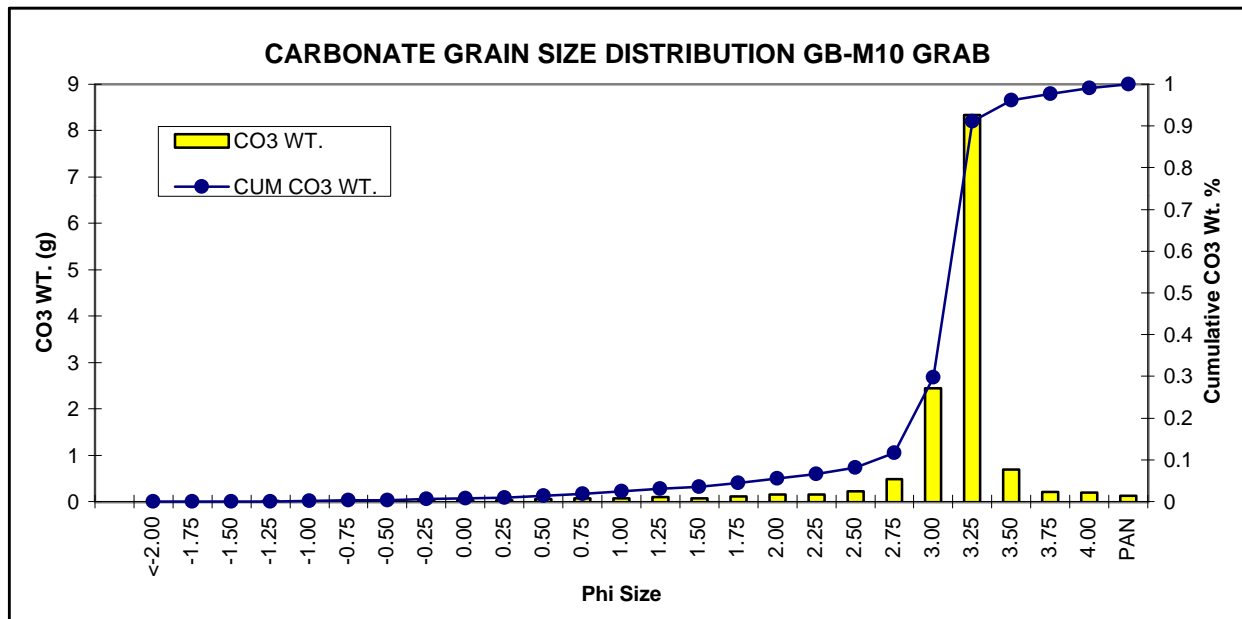
CO3 WT

13.589

grams

% CARBONATE

17.615

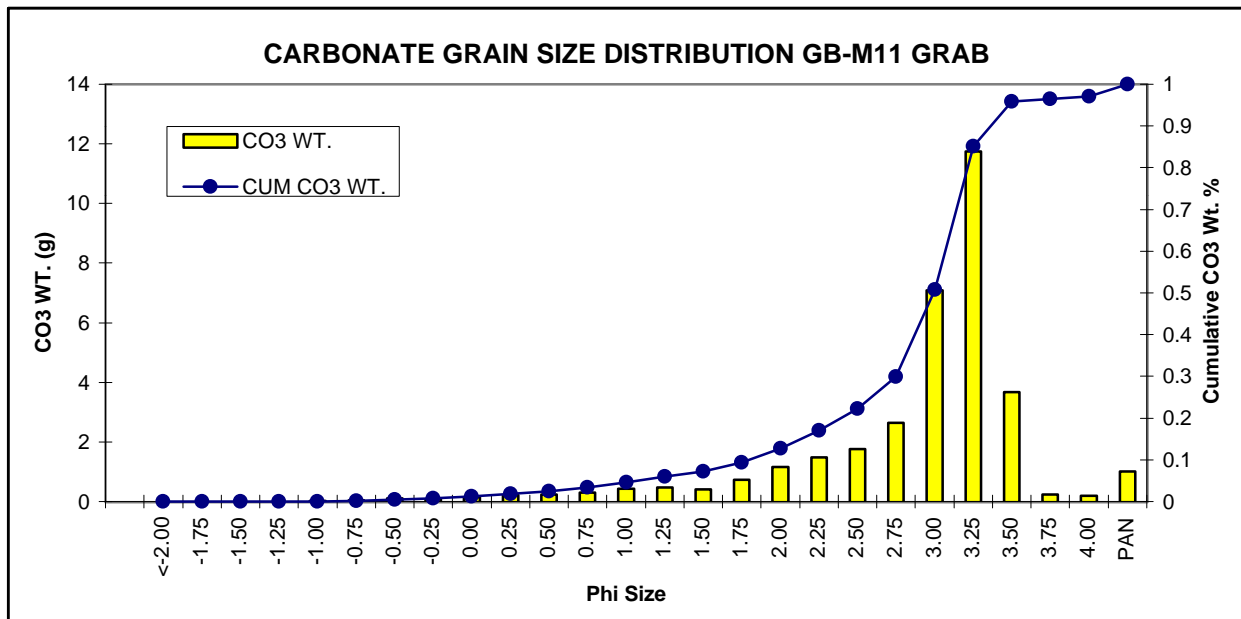


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M11 GRAB

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	0.019	0.000	0.019	0.019	0.000555994	0.000555994
-0.75	0.037	0.000	0.037	0.056	0.001082726	0.001638721
-0.50	0.098	0.000	0.098	0.154	0.002867761	0.004506482
-0.25	0.095	0.000	0.095	0.249	0.002779972	0.007286454
0.00	0.155	0.000	0.155	0.404	0.004535745	0.011822199
0.25	0.229	0.012	0.217	0.621	0.006350042	0.018172241
0.50	0.250	0.007	0.243	0.864	0.007110877	0.025283118
0.75	0.312	0.009	0.303	1.167	0.008866649	0.034149767
1.00	0.450	0.029	0.421	1.588	0.012319668	0.046469435
1.25	0.519	0.040	0.479	2.067	0.014016914	0.060486349
1.50	0.482	0.064	0.418	2.485	0.012231879	0.072718228
1.75	0.930	0.202	0.728	3.213	0.021303368	0.094021596
2.00	1.510	0.359	1.151	4.364	0.033681561	0.127703157
2.25	1.828	0.350	1.478	5.842	0.043250519	0.170953677
2.50	1.997	0.230	1.767	7.609	0.051707488	0.222661165
2.75	3.048	0.414	2.634	10.243	0.077078395	0.299739560
3.00	10.534	3.441	7.093	17.336	0.207561525	0.507301086
3.25	23.877	12.140	11.737	29.073	0.343458286	0.850759371
3.50	40.976	37.311	3.665	32.738	0.107248412	0.958007784
3.75	20.612	20.374	0.238	32.976	0.006964563	0.964972347
4.00	7.792	7.594	0.198	33.174	0.005794048	0.970766395
PAN	2.953	1.954	0.999	34.173	0.029233605	1.0

<b>TOTAL WT.</b>	118.703	grams
<b>CO3 WT</b>	34.173	grams
<b>% CARBONATE</b>	28.789	



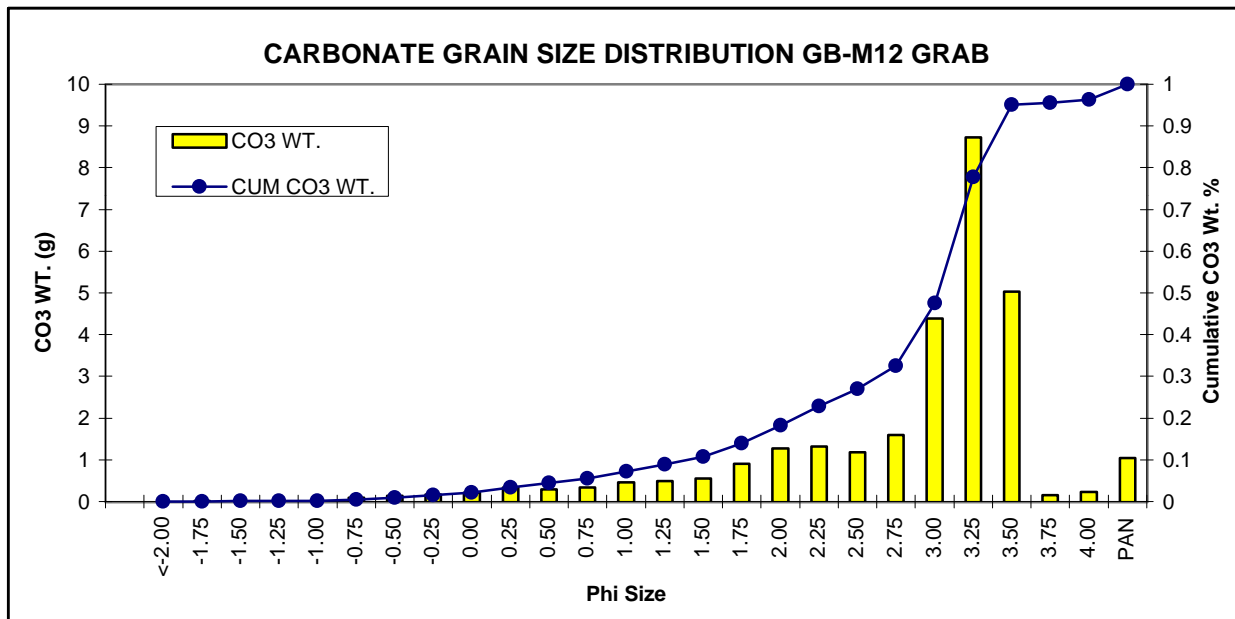


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M12 GRAB

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	0.018	0.000	0.018	0.018	0.000620625	0.000620625
-1.50	0.007	0.000	0.007	0.025	0.000241354	0.000861980
-1.25	0.006	0.000	0.006	0.031	0.000206875	0.001068855
-1.00	0.000	0.000	0.000	0.031	0.000000000	0.001068855
-0.75	0.091	0.001	0.090	0.121	0.003103127	0.004171982
-0.50	0.142	0.000	0.142	0.263	0.004896045	0.009068027
-0.25	0.167	0.000	0.167	0.430	0.005758025	0.014826052
0.00	0.208	0.000	0.208	0.638	0.007171672	0.021997724
0.25	0.348	0.013	0.335	0.973	0.011550529	0.033548254
0.50	0.305	0.007	0.298	1.271	0.010274799	0.043823053
0.75	0.355	0.012	0.343	1.614	0.011826363	0.055649416
1.00	0.500	0.035	0.465	2.079	0.016032824	0.071682240
1.25	0.534	0.042	0.492	2.571	0.016963762	0.088646002
1.50	0.646	0.088	0.558	3.129	0.019239389	0.107885391
1.75	1.236	0.331	0.905	4.034	0.031203669	0.139089060
2.00	1.768	0.493	1.275	5.309	0.043960970	0.183050029
2.25	1.689	0.368	1.321	6.630	0.045547012	0.228597042
2.50	1.390	0.204	1.186	7.816	0.040892321	0.269489363
2.75	1.857	0.262	1.595	9.411	0.054994311	0.324483674
3.00	6.722	2.329	4.393	13.804	0.151467090	0.475950764
3.25	17.204	8.470	8.734	22.538	0.301141261	0.777092025
3.50	36.415	31.381	5.034	27.572	0.173568252	0.950660277
3.75	18.667	18.515	0.152	27.724	0.005240837	0.955901114
4.00	7.493	7.262	0.231	27.955	0.007964693	0.963865807
PAN	2.909	1.861	1.048	29.003	0.036134193	1.0

<b>TOTAL WT.</b>	100.677	grams
<b>CO3 WT</b>	29.003	grams
<b>% CARBONATE</b>	28.808	

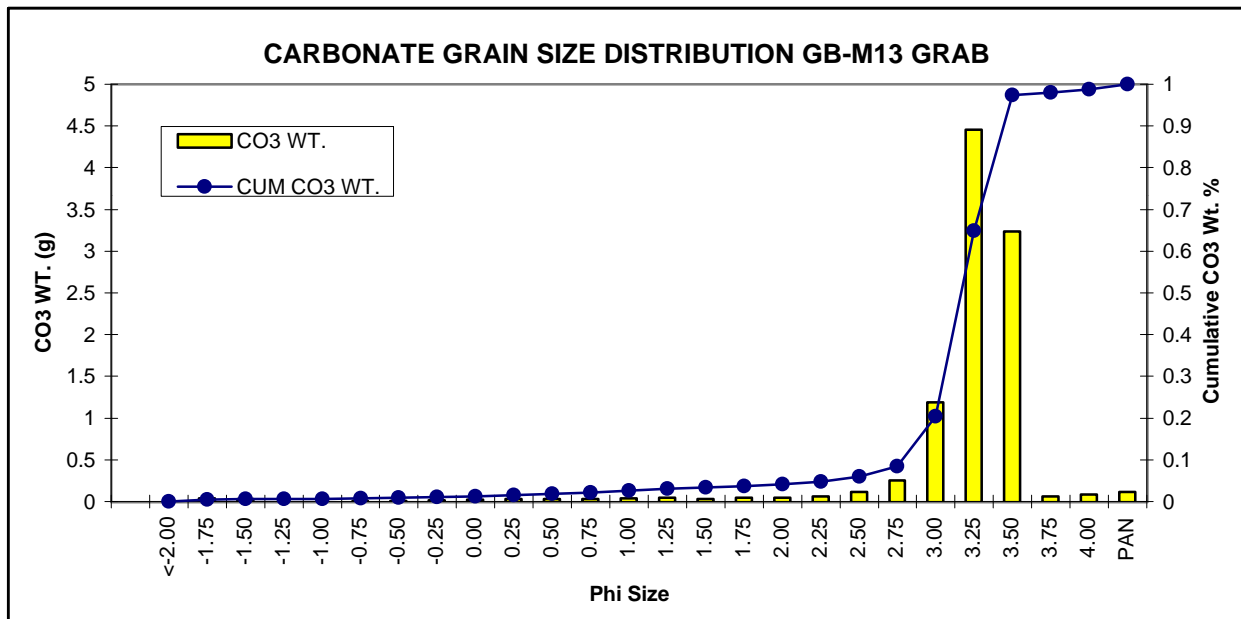


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M13 GRAB

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	0.039	0.000	0.039	0.039	0.003904686	0.003904686
-1.50	0.028	0.000	0.028	0.067	0.002803364	0.006708050
-1.25	0.000	0.000	0.000	0.067	0.000000000	0.006708050
-1.00	0.000	0.000	0.000	0.067	0.000000000	0.006708050
-0.75	0.010	0.000	0.010	0.077	0.001001201	0.007709251
-0.50	0.008	0.000	0.008	0.085	0.000800961	0.008510212
-0.25	0.015	0.000	0.015	0.100	0.001501802	0.010012014
0.00	0.021	0.000	0.021	0.121	0.002102523	0.012114537
0.25	0.033	0.005	0.028	0.149	0.002803364	0.014917901
0.50	0.035	0.002	0.033	0.182	0.003303965	0.018221866
0.75	0.037	0.004	0.033	0.215	0.003303965	0.021525831
1.00	0.045	0.007	0.038	0.253	0.003804565	0.025330396
1.25	0.056	0.007	0.049	0.302	0.004905887	0.030236284
1.50	0.044	0.014	0.030	0.332	0.003003604	0.033239888
1.75	0.081	0.038	0.043	0.375	0.004305166	0.037545054
2.00	0.090	0.045	0.045	0.420	0.004505406	0.042050461
2.25	0.097	0.037	0.060	0.480	0.006007209	0.048057669
2.50	0.143	0.028	0.115	0.595	0.011513817	0.059571486
2.75	0.304	0.053	0.251	0.846	0.025130156	0.084701642
3.00	1.937	0.749	1.188	2.034	0.118942731	0.203644373
3.25	11.535	7.083	4.452	6.486	0.445734882	0.649379255
3.50	24.376	21.137	3.239	9.725	0.324289147	0.973668402
3.75	10.528	10.465	0.063	9.788	0.006307569	0.979975971
4.00	2.942	2.857	0.085	9.873	0.008510212	0.988486183
PAN	0.812	0.697	0.115	9.988	0.011513817	1.0

<b>TOTAL WT.</b>	53.216	grams
<b>CO3 WT</b>	9.988	grams
<b>% CARBONATE</b>	18.769	



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M14 GRAB

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	0.030	0.000	0.030	0.030	0.002217623	0.002217623
-1.00	0.000	0.000	0.000	0.030	0.000000000	0.002217623
-0.75	0.005	0.000	0.005	0.035	0.000369604	0.002587226
-0.50	0.014	0.000	0.014	0.049	0.001034891	0.003622117
-0.25	0.019	0.000	0.019	0.068	0.001404494	0.005026611
0.00	0.023	0.000	0.023	0.091	0.001700177	0.006726789
0.25	0.036	0.005	0.031	0.122	0.002291543	0.009018332
0.50	0.032	0.005	0.027	0.149	0.001995860	0.011014193
0.75	0.057	0.003	0.054	0.203	0.003991721	0.015005914
1.00	0.094	0.008	0.086	0.289	0.006357185	0.021363099
1.25	0.147	0.023	0.124	0.413	0.009166174	0.030529273
1.50	0.144	0.049	0.095	0.508	0.007022472	0.037551745
1.75	0.240	0.092	0.148	0.656	0.010940272	0.048492017
2.00	0.224	0.087	0.137	0.793	0.010127144	0.058619160
2.25	0.175	0.061	0.114	0.907	0.008426966	0.067046127
2.50	0.171	0.031	0.140	1.047	0.010348906	0.077395033
2.75	0.290	0.024	0.266	1.313	0.019662921	0.097057954
3.00	1.243	0.328	0.915	2.228	0.067637493	0.164695446
3.25	8.244	4.109	4.135	6.363	0.305662330	0.470357776
3.50	27.103	20.796	6.307	12.670	0.466218214	0.936575991
3.75	14.107	13.735	0.372	13.042	0.027498522	0.964074512
4.00	4.593	4.434	0.159	13.201	0.011753400	0.975827912
PAN	1.485	1.158	0.327	13.528	0.024172088	1.0

TOTAL WT.

58.476

grams

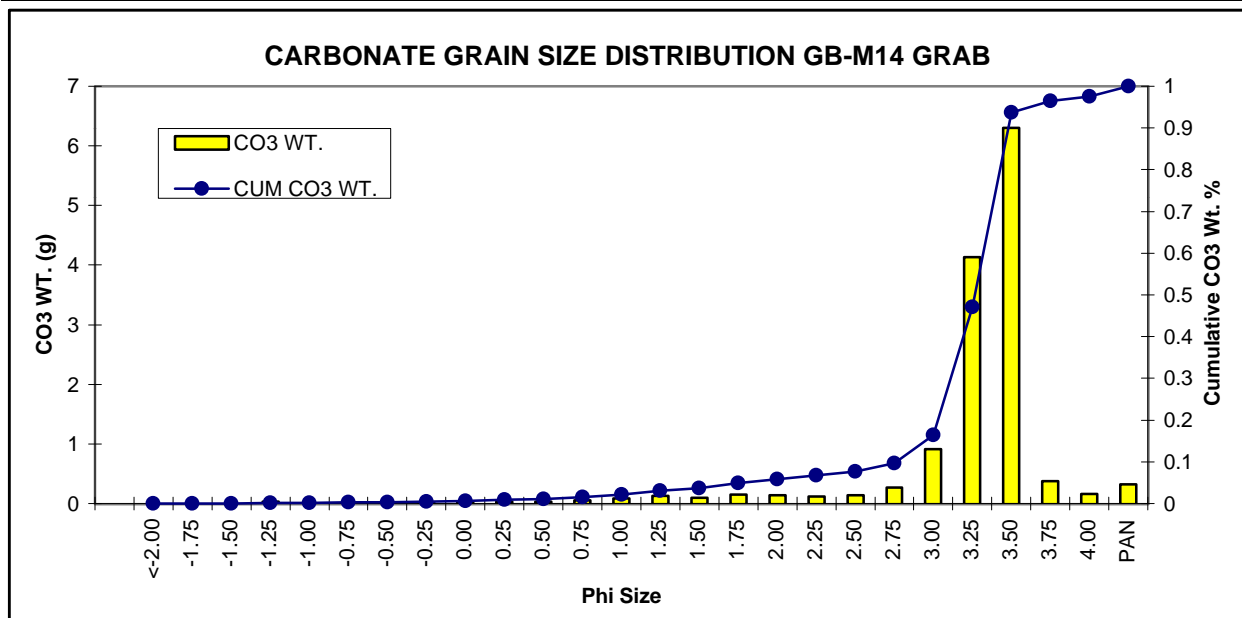
CO3 WT

13.528

grams

% CARBONATE

23.134

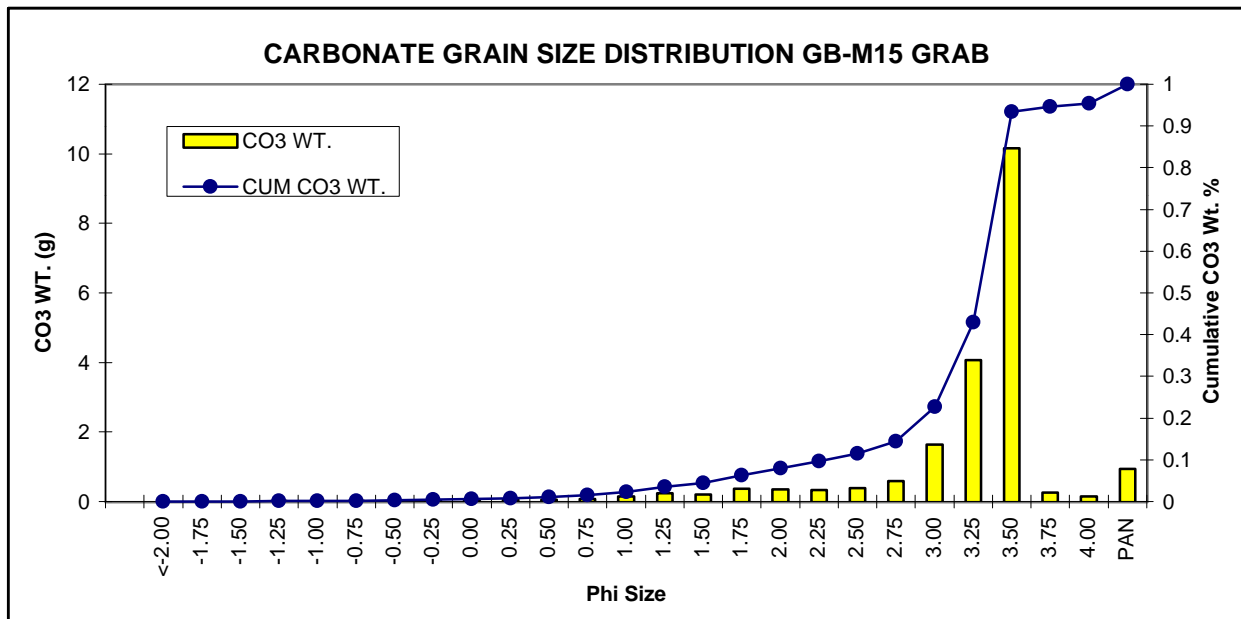


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M15 GRAB

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	0.019	0.000	0.019	0.019	0.000944475	0.000944475
-1.00	0.007	0.000	0.007	0.026	0.000347964	0.001292439
-0.75	0.012	0.000	0.012	0.038	0.000596510	0.001888950
-0.50	0.013	0.000	0.013	0.051	0.000646220	0.002535169
-0.25	0.032	0.000	0.032	0.083	0.001590694	0.004125864
0.00	0.029	0.004	0.025	0.108	0.001242730	0.005368594
0.25	0.055	0.000	0.055	0.163	0.002734006	0.008102600
0.50	0.065	0.004	0.061	0.224	0.003032261	0.011134861
0.75	0.085	0.007	0.078	0.302	0.003877318	0.015012179
1.00	0.174	0.018	0.156	0.458	0.007754635	0.022766814
1.25	0.289	0.045	0.244	0.702	0.012129045	0.034895859
1.50	0.280	0.079	0.201	0.903	0.009991549	0.044887409
1.75	0.525	0.165	0.360	1.263	0.017895312	0.062782721
2.00	0.479	0.131	0.348	1.611	0.017298802	0.080081523
2.25	0.414	0.090	0.324	1.935	0.016105781	0.096187304
2.50	0.462	0.073	0.389	2.324	0.019336879	0.115524184
2.75	0.693	0.106	0.587	2.911	0.029179301	0.144703485
3.00	2.521	0.874	1.647	4.558	0.081871054	0.226574539
3.25	9.131	5.064	4.067	8.625	0.202167321	0.428741860
3.50	37.459	27.302	10.157	18.782	0.504896356	0.933638216
3.75	21.022	20.765	0.257	19.039	0.012775265	0.946413481
4.00	8.197	8.057	0.140	19.179	0.006959288	0.953372769
PAN	2.965	2.027	0.938	20.117	0.046627231	1.0

<b>TOTAL WT.</b>	84.928	grams
<b>CO3 WT</b>	20.117	grams
<b>% CARBONATE</b>	23.687	

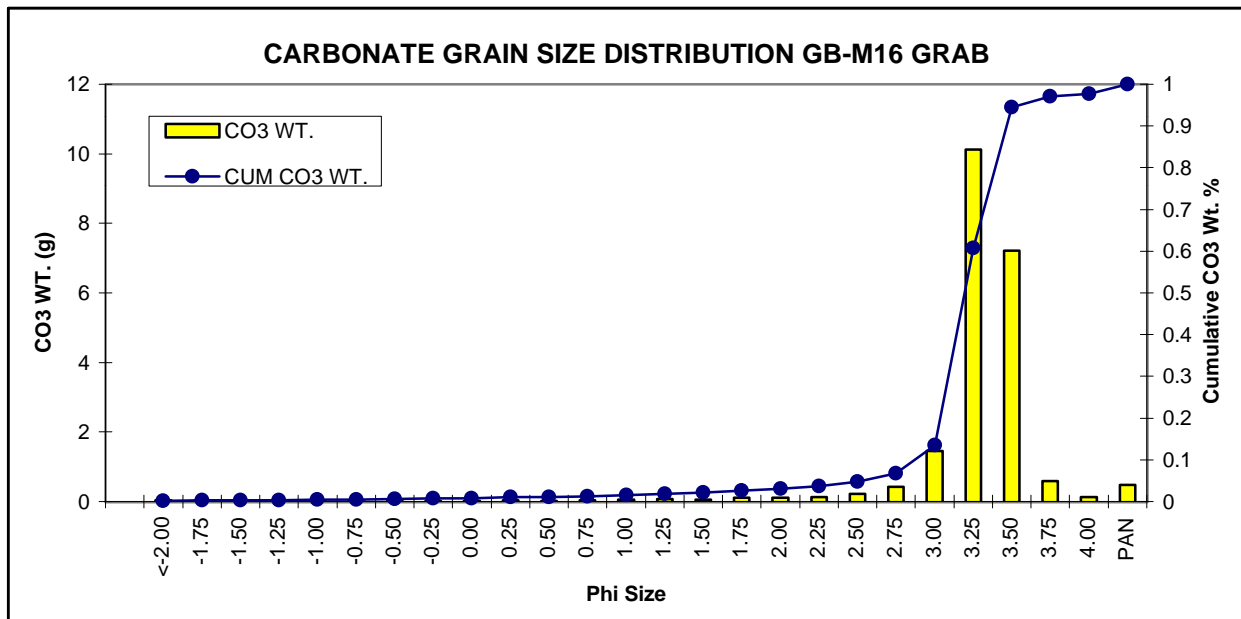


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M16 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.029	0.000	0.029	0.029	0.001354697	0.001354697
-1.75	0.041	0.000	0.041	0.070	0.001915261	0.003269958
-1.50	0.000	0.000	0.000	0.070	0.000000000	0.003269958
-1.25	0.009	0.000	0.009	0.079	0.000420423	0.003690382
-1.00	0.018	0.000	0.018	0.097	0.000840846	0.004531228
-0.75	0.010	0.000	0.010	0.107	0.000467137	0.004998365
-0.50	0.017	0.000	0.017	0.124	0.000794133	0.005792498
-0.25	0.027	0.000	0.027	0.151	0.001261270	0.007053767
0.00	0.022	0.000	0.022	0.173	0.001027701	0.008081469
0.25	0.046	0.005	0.041	0.214	0.001915261	0.009996730
0.50	0.031	0.004	0.027	0.241	0.001261270	0.011258000
0.75	0.039	0.003	0.036	0.277	0.001681693	0.012939693
1.00	0.059	0.009	0.050	0.327	0.002335685	0.015275377
1.25	0.078	0.009	0.069	0.396	0.003223245	0.018498622
1.50	0.070	0.016	0.054	0.450	0.002522539	0.021021161
1.75	0.132	0.029	0.103	0.553	0.004811510	0.025832672
2.00	0.143	0.039	0.104	0.657	0.004858224	0.030690896
2.25	0.170	0.036	0.134	0.791	0.006259635	0.036950530
2.50	0.277	0.056	0.221	1.012	0.010323726	0.047274256
2.75	0.529	0.108	0.421	1.433	0.019666464	0.066940720
3.00	2.183	0.730	1.453	2.886	0.067874994	0.134815714
3.25	15.574	5.460	10.114	13.000	0.472462279	0.607277993
3.50	43.603	36.391	7.212	20.212	0.336899145	0.944177138
3.75	17.948	17.365	0.583	20.795	0.027234082	0.971411221
4.00	7.322	7.191	0.131	20.926	0.006119494	0.977530714
PAN	2.195	1.714	0.481	21.407	0.022469286	1.0

<b>TOTAL WT.</b>	90.572	grams
<b>CO3 WT</b>	21.407	grams
<b>% CARBONATE</b>	23.635	

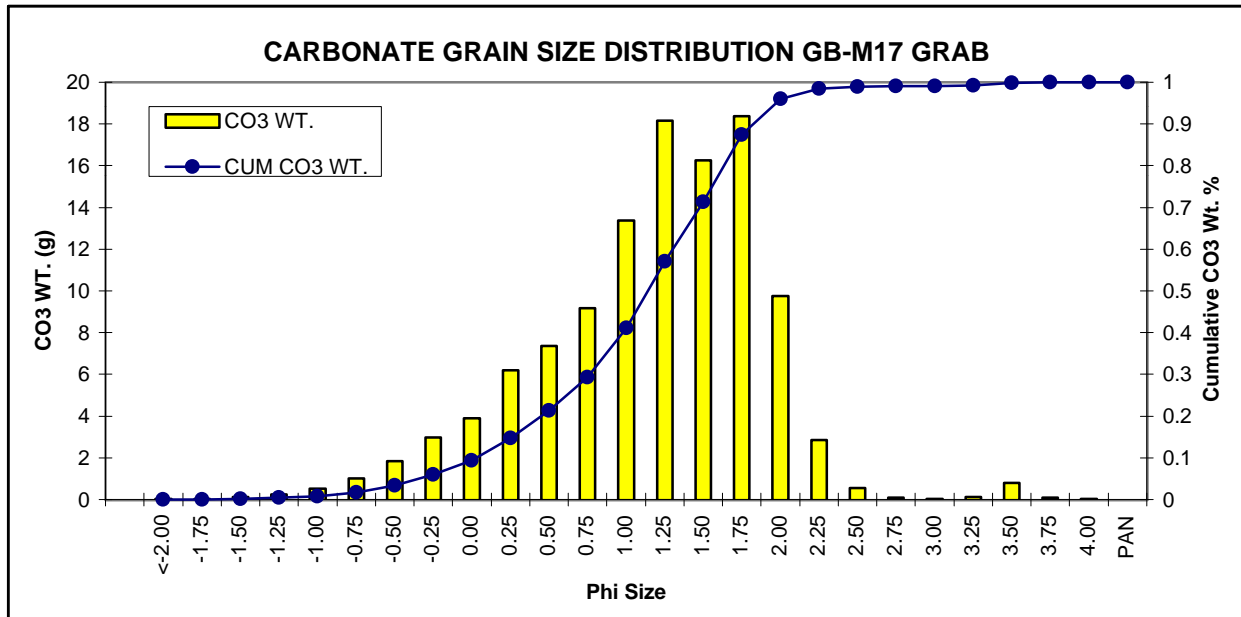


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M17 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.040	0.000	0.040	0.040	0.000351151	0.000351151
-1.75	0.038	0.000	0.038	0.078	0.000333594	0.000684745
-1.50	0.118	0.000	0.118	0.196	0.001035896	0.001720642
-1.25	0.242	0.000	0.242	0.438	0.002124466	0.003845107
-1.00	0.510	0.000	0.510	0.948	0.004477180	0.008322287
-0.75	1.023	0.000	1.023	1.971	0.008980695	0.017302982
-0.50	1.830	0.000	1.830	3.801	0.016065174	0.033368156
-0.25	2.971	0.000	2.971	6.772	0.026081766	0.059449921
0.00	3.884	0.000	3.884	10.656	0.034096795	0.093546716
0.25	6.201	0.014	6.187	16.843	0.054314333	0.147861049
0.50	7.380	0.003	7.377	24.220	0.064761085	0.212622135
0.75	9.232	0.065	9.167	33.387	0.080475108	0.293097243
1.00	14.260	0.881	13.379	46.766	0.117451344	0.410548586
1.25	22.759	4.609	18.150	64.916	0.159334919	0.569883506
1.50	21.462	5.210	16.252	81.168	0.142672788	0.712556294
1.75	23.299	4.925	18.374	99.542	0.161301367	0.873857661
2.00	11.194	1.449	9.745	109.287	0.085549245	0.959406905
2.25	3.346	0.489	2.857	112.144	0.025080984	0.984487890
2.50	0.739	0.188	0.551	112.695	0.004837110	0.989324999
2.75	0.216	0.113	0.103	112.798	0.000904215	0.990229214
3.00	0.213	0.179	0.034	112.832	0.000298479	0.990527693
3.25	0.602	0.478	0.124	112.956	0.001088569	0.991616262
3.50	2.730	1.925	0.805	113.761	0.007066921	0.998683182
3.75	3.013	2.915	0.098	113.859	0.000860321	0.999543503
4.00	1.338	1.301	0.037	113.896	0.000324815	0.999868318
PAN	0.294	0.279	0.015	113.911	0.000131682	1.0

<b>TOTAL WT.</b>	138.934	grams
<b>CO3 WT</b>	113.911	grams
<b>% CARBONATE</b>	81.989	

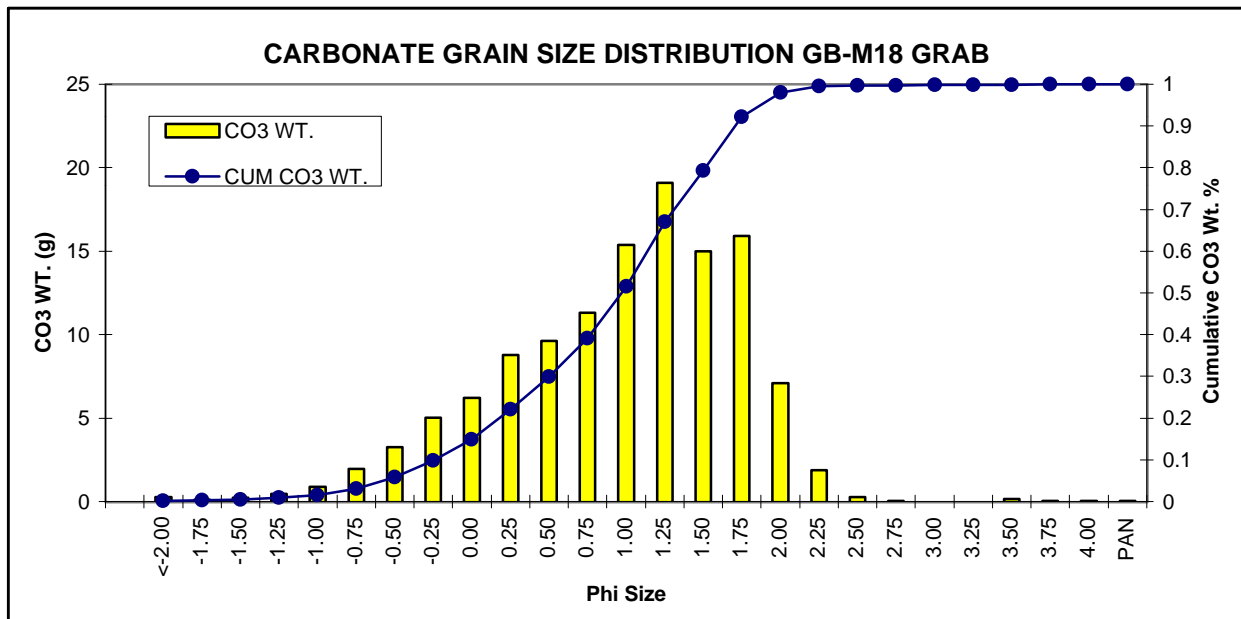


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M18 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.273	0.000	0.273	0.273	0.002220252	0.002220252
-1.75	0.107	0.000	0.107	0.380	0.000870209	0.003090461
-1.50	0.214	0.000	0.214	0.594	0.001740418	0.004830879
-1.25	0.449	0.000	0.449	1.043	0.003651624	0.008482502
-1.00	0.877	0.000	0.877	1.920	0.007132459	0.015614961
-0.75	1.942	0.000	1.942	3.862	0.015793883	0.031408844
-0.50	3.262	0.000	3.262	7.124	0.026529168	0.057938012
-0.25	5.020	0.000	5.020	12.144	0.040826617	0.098764629
0.00	6.203	0.009	6.194	18.338	0.050374515	0.149139144
0.25	8.775	0.007	8.768	27.106	0.071308322	0.220447466
0.50	9.629	0.013	9.616	36.722	0.078204930	0.298652396
0.75	11.490	0.176	11.314	48.036	0.092014411	0.390666808
1.00	17.140	1.771	15.369	63.405	0.124992884	0.515659691
1.25	23.875	4.779	19.096	82.501	0.155303800	0.670963492
1.50	18.526	3.543	14.983	97.484	0.121853626	0.792817118
1.75	19.487	3.578	15.909	113.393	0.129384592	0.922201710
2.00	8.226	1.140	7.086	120.479	0.057628966	0.979830675
2.25	2.182	0.306	1.876	122.355	0.015257118	0.995087793
2.50	0.409	0.138	0.271	122.626	0.002203987	0.997291780
2.75	0.142	0.097	0.045	122.671	0.000365976	0.997657756
3.00	0.141	0.129	0.012	122.683	0.000097594	0.997755349
3.25	0.119	0.116	0.003	122.686	0.000024398	0.997779748
3.50	0.739	0.577	0.162	122.848	0.001317512	0.999097260
3.75	0.917	0.865	0.052	122.900	0.000422905	0.999520165
4.00	0.424	0.396	0.028	122.928	0.000227718	0.999747883
PAN	0.130	0.099	0.031	122.959	0.000252117	1.0

<b>TOTAL WT.</b>	140.698	grams
<b>CO3 WT</b>	122.959	grams
<b>% CARBONATE</b>	87.392	

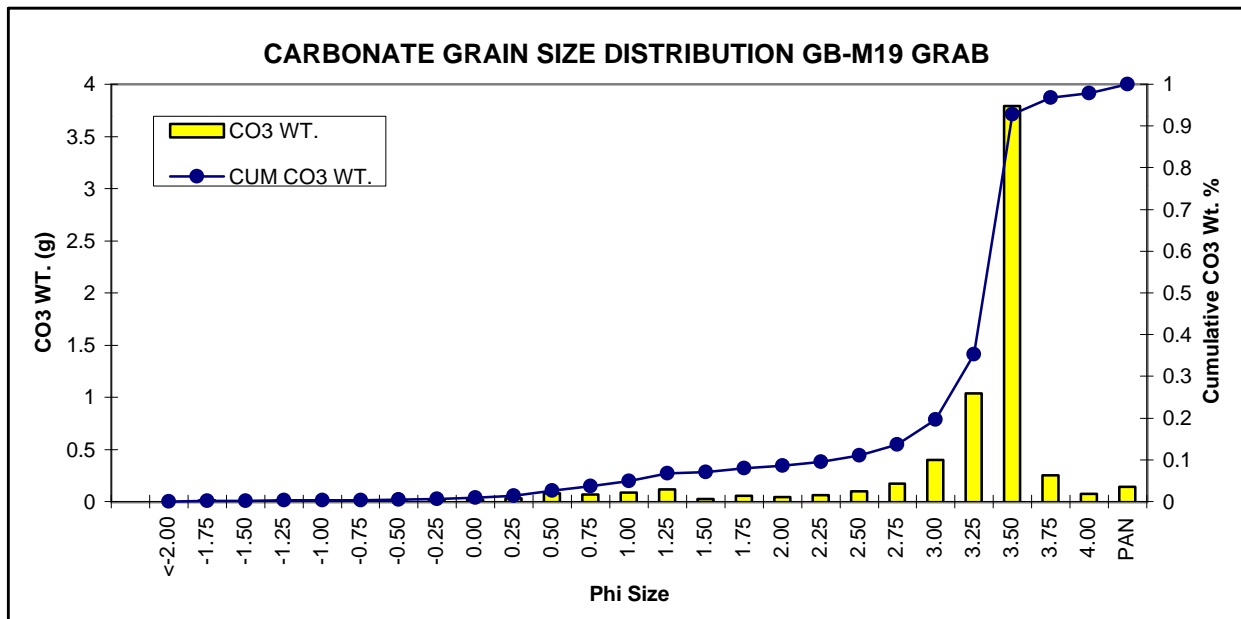


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M19 GRAB

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	0.013	0.000	0.013	0.013	0.001973884	0.001973884
-1.50	0.000	0.000	0.000	0.013	0.000000000	0.001973884
-1.25	0.011	0.000	0.011	0.024	0.001670210	0.003644094
-1.00	0.000	0.000	0.000	0.024	0.000000000	0.003644094
-0.75	0.000	0.000	0.000	0.024	0.000000000	0.003644094
-0.50	0.010	0.000	0.010	0.034	0.001518372	0.005162466
-0.25	0.009	0.000	0.009	0.043	0.001366535	0.006529001
0.00	0.016	0.000	0.016	0.059	0.002429396	0.008958397
0.25	0.034	0.002	0.032	0.091	0.004858791	0.013817188
0.50	0.083	0.001	0.082	0.173	0.012450653	0.026267841
0.75	0.076	0.007	0.069	0.242	0.010476769	0.036744610
1.00	0.102	0.019	0.083	0.325	0.012602490	0.049347100
1.25	0.153	0.035	0.118	0.443	0.017916793	0.067263893
1.50	0.060	0.037	0.023	0.466	0.003492256	0.070756149
1.75	0.091	0.033	0.058	0.524	0.008806559	0.079562709
2.00	0.073	0.032	0.041	0.565	0.006225326	0.085788035
2.25	0.085	0.024	0.061	0.626	0.009262071	0.095050106
2.50	0.121	0.024	0.097	0.723	0.014728211	0.109778318
2.75	0.196	0.023	0.173	0.896	0.026267841	0.136046159
3.00	0.486	0.090	0.396	1.292	0.060127543	0.196173702
3.25	1.725	0.691	1.034	2.326	0.156999696	0.353173398
3.50	9.691	5.901	3.790	6.116	0.575463104	0.928636502
3.75	9.240	8.986	0.254	6.370	0.038566657	0.967203158
4.00	3.513	3.441	0.072	6.442	0.010932281	0.978135439
PAN	0.964	0.820	0.144	6.586	0.021864561	1.0

<b>TOTAL WT.</b>	26.752	grams
<b>CO3 WT</b>	6.586	grams
<b>% CARBONATE</b>	24.619	





# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-M20 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.030	0.000	0.030	0.030	0.001642665	0.001642665
-1.75	0.000	0.000	0.000	0.030	0.000000000	0.001642665
-1.50	0.000	0.000	0.000	0.030	0.000000000	0.001642665
-1.25	0.000	0.000	0.000	0.030	0.000000000	0.001642665
-1.00	0.038	0.000	0.038	0.068	0.002080710	0.003723375
-0.75	0.019	0.000	0.019	0.087	0.001040355	0.004763730
-0.50	0.046	0.000	0.046	0.133	0.002518754	0.007282484
-0.25	0.087	0.000	0.087	0.220	0.004763730	0.012046214
0.00	0.114	0.000	0.114	0.334	0.006242129	0.018288343
0.25	0.109	0.002	0.107	0.441	0.005858840	0.024147183
0.50	0.152	0.002	0.150	0.591	0.008213327	0.032360510
0.75	0.145	0.011	0.134	0.725	0.007337239	0.039697750
1.00	0.213	0.023	0.190	0.915	0.010403548	0.050101298
1.25	0.299	0.045	0.254	1.169	0.013907901	0.064009199
1.50	0.347	0.074	0.273	1.442	0.014948256	0.078957455
1.75	0.548	0.132	0.416	1.858	0.022778295	0.101735750
2.00	0.589	0.142	0.447	2.305	0.024475716	0.126211466
2.25	0.589	0.118	0.471	2.776	0.025789848	0.152001314
2.50	0.681	0.092	0.589	3.365	0.032250999	0.184252313
2.75	1.002	0.136	0.866	4.231	0.047418277	0.231670591
3.00	3.832	1.359	2.473	6.704	0.135410393	0.367080983
3.25	10.525	5.509	5.016	11.720	0.274653671	0.641734655
3.50	21.922	16.042	5.880	17.600	0.321962438	0.963697092
3.75	12.349	11.888	0.461	18.061	0.025242293	0.988939386
4.00	3.798	3.696	0.102	18.163	0.005585063	0.994524448
PAN	0.859	0.759	0.100	18.263	0.005475552	1.0

TOTAL WT.

58.293

grams

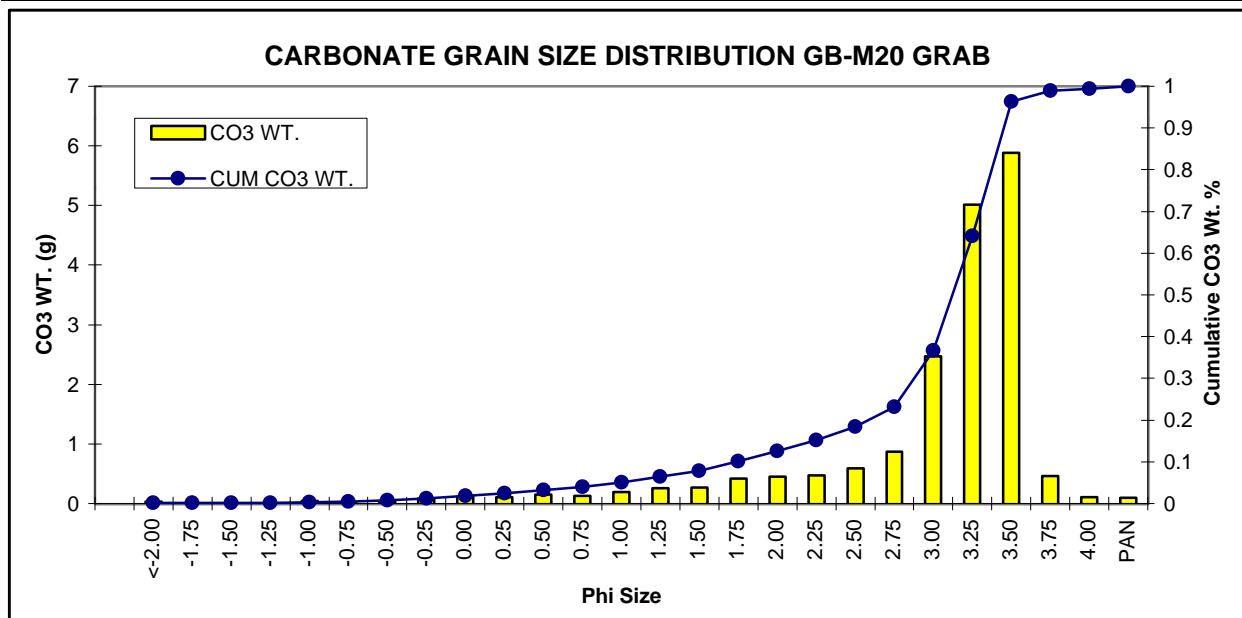
CO3 WT

18.263

grams

% CARBONATE

31.330



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL1 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.073	0.000	0.073	0.073	0.000564723	0.000564723
-1.75	0.037	0.000	0.037	0.110	0.000286229	0.000850952
-1.50	0.186	0.000	0.186	0.296	0.001438882	0.002289834
-1.25	0.352	0.000	0.352	0.648	0.002723046	0.005012880
-1.00	0.419	0.000	0.419	1.067	0.003241353	0.008254233
-0.75	0.914	0.000	0.914	1.981	0.007070637	0.015324870
-0.50	1.224	0.000	1.224	3.205	0.009468774	0.024793644
-0.25	1.773	0.000	1.773	4.978	0.013715798	0.038509442
0.00	2.009	0.000	2.009	6.987	0.015541476	0.054050918
0.25	2.748	0.002	2.746	9.733	0.021242854	0.075293772
0.50	3.258	0.008	3.250	12.983	0.025141761	0.100435533
0.75	4.039	0.045	3.994	16.977	0.030897290	0.131332823
1.00	6.879	0.442	6.437	23.414	0.049796158	0.181128981
1.25	12.332	2.170	10.162	33.576	0.078612484	0.259741465
1.50	18.693	5.351	13.342	46.918	0.103212730	0.362954196
1.75	39.053	13.102	25.951	72.869	0.200755026	0.563709222
2.00	37.820	7.221	30.599	103.468	0.236711612	0.800420834
2.25	21.953	2.107	19.846	123.314	0.153527196	0.953948030
2.50	5.522	0.437	5.085	128.399	0.039337186	0.993285216
2.75	0.666	0.147	0.519	128.918	0.004014946	0.997300162
3.00	0.241	0.170	0.071	128.989	0.000549251	0.997849412
3.25	0.169	0.121	0.048	129.037	0.000371324	0.998220737
3.50	0.690	0.505	0.185	129.222	0.001431146	0.999651883
3.75	0.904	0.903	0.001	129.223	0.000007736	0.999659619
4.00	0.334	0.316	0.018	129.241	0.000139247	0.999798866
PAN	0.115	0.089	0.026	129.267	0.000201134	1.0

TOTAL WT.

162.403

grams

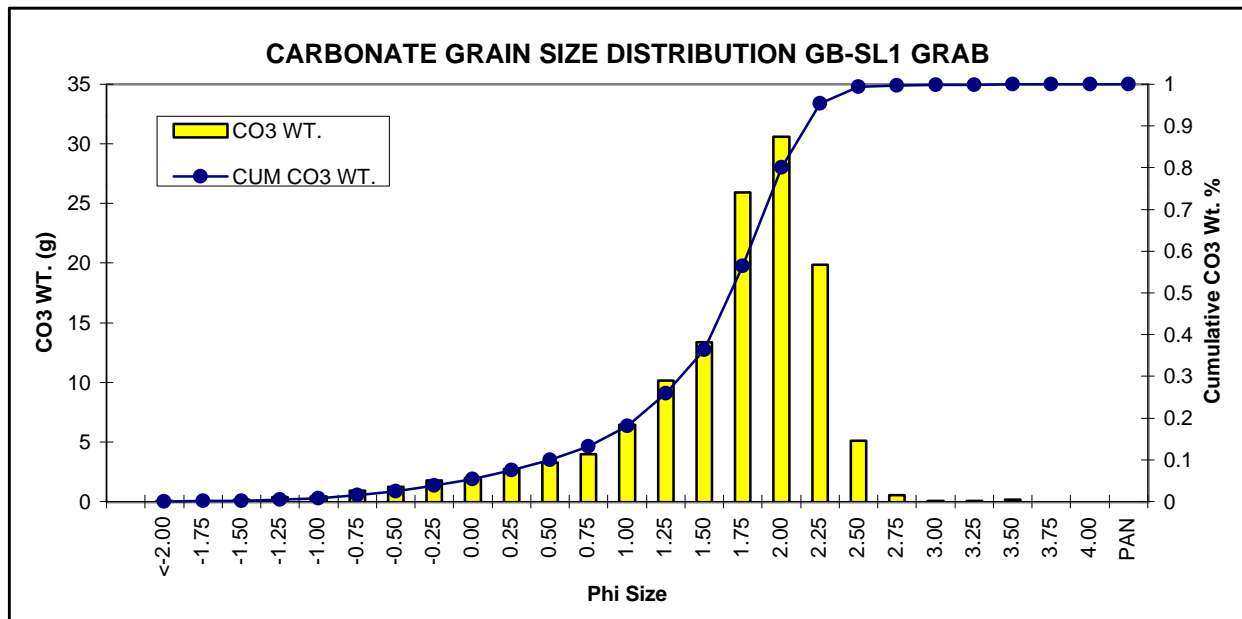
CO3 WT

129.267

grams

% CARBONATE

79.596

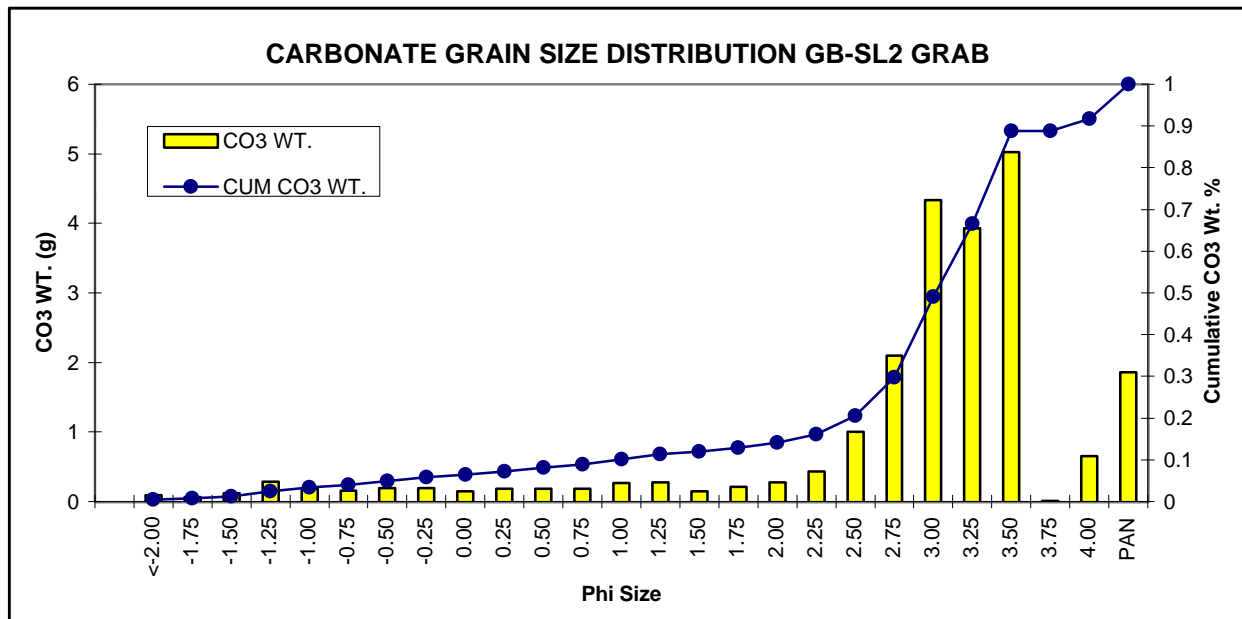


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL2 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.095	0.000	0.095	0.095	0.004216039	0.004216039
-1.75	0.066	0.000	0.066	0.161	0.002929037	0.007145076
-1.50	0.124	0.000	0.124	0.285	0.005503040	0.012648116
-1.25	0.282	0.000	0.282	0.567	0.012514978	0.025163094
-1.00	0.182	0.000	0.182	0.749	0.008077043	0.033240137
-0.75	0.160	0.000	0.160	0.909	0.007100697	0.040340833
-0.50	0.202	0.005	0.197	1.106	0.008742733	0.049083566
-0.25	0.196	0.000	0.196	1.302	0.008698354	0.057781920
0.00	0.151	0.004	0.147	1.449	0.006523765	0.064305685
0.25	0.192	0.004	0.188	1.637	0.008343319	0.072649004
0.50	0.191	0.006	0.185	1.822	0.008210181	0.080859184
0.75	0.202	0.014	0.188	2.010	0.008343319	0.089202503
1.00	0.297	0.032	0.265	2.275	0.011760529	0.100963032
1.25	0.324	0.050	0.274	2.549	0.012159943	0.113122975
1.50	0.200	0.053	0.147	2.696	0.006523765	0.119646740
1.75	0.302	0.088	0.214	2.910	0.009497182	0.129143922
2.00	0.344	0.070	0.274	3.184	0.012159943	0.141303865
2.25	0.475	0.040	0.435	3.619	0.019305019	0.160608885
2.50	1.071	0.066	1.005	4.624	0.044601251	0.205210136
2.75	2.527	0.431	2.096	6.720	0.093019128	0.298229264
3.00	6.304	1.966	4.338	11.058	0.192517641	0.490746905
3.25	7.234	3.308	3.926	14.984	0.174233347	0.664980251
3.50	12.895	7.870	5.025	20.009	0.223006257	0.887986509
3.75	13.472	13.461	0.011	20.020	0.000488173	0.888474682
4.00	8.450	7.800	0.650	20.670	0.028846581	0.917321262
PAN	4.717	2.854	1.863	22.533	0.082678738	1.0

<b>TOTAL WT.</b>	60.655	grams
<b>CO3 WT</b>	22.533	grams
<b>% CARBONATE</b>	37.149	

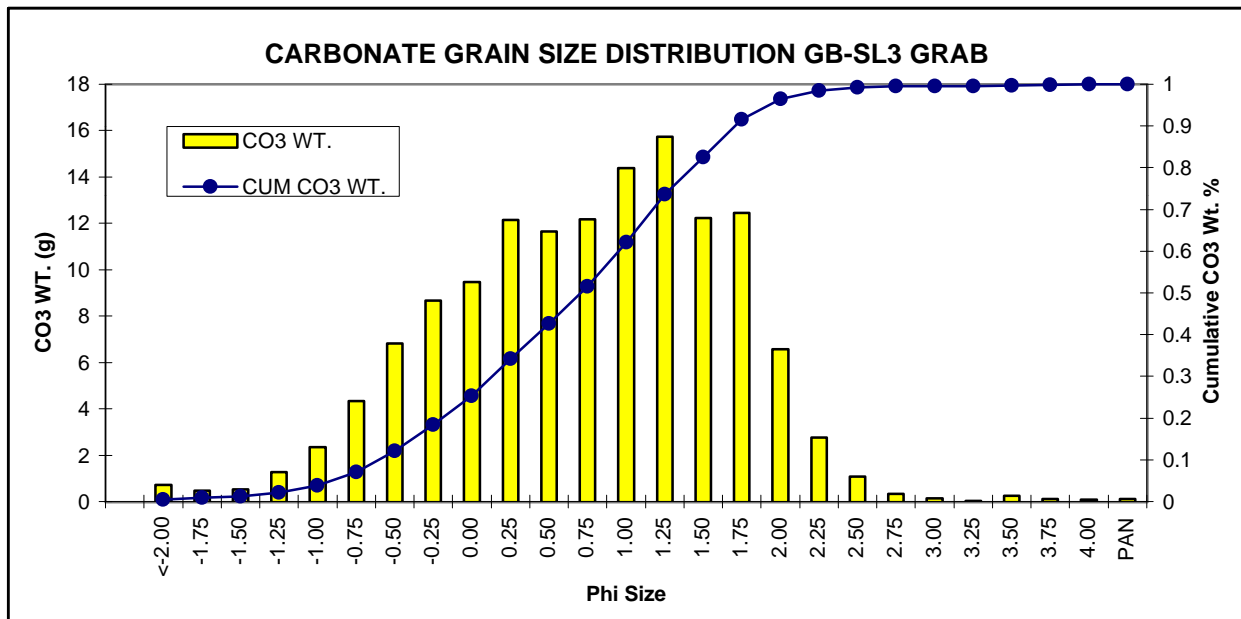


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL3 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.717	0.000	0.717	0.717	0.005239351	0.005239351
-1.75	0.459	0.000	0.459	1.176	0.003354062	0.008593413
-1.50	0.529	0.000	0.529	1.705	0.003865574	0.012458988
-1.25	1.269	0.000	1.269	2.974	0.009272994	0.021731982
-1.00	2.353	0.000	2.353	5.327	0.017194134	0.038926116
-0.75	4.344	0.000	4.344	9.671	0.031743016	0.070669132
-0.50	6.817	0.000	6.817	16.488	0.049814029	0.120483160
-0.25	8.681	0.000	8.681	25.169	0.063434881	0.183918041
0.00	9.460	0.002	9.458	34.627	0.069112672	0.253030713
0.25	12.142	0.004	12.138	46.765	0.088696300	0.341727013
0.50	11.675	0.015	11.660	58.425	0.085203399	0.426930412
0.75	12.365	0.182	12.183	70.608	0.089025130	0.515955542
1.00	15.740	1.367	14.373	84.981	0.105028170	0.620983712
1.25	19.599	3.872	15.727	100.708	0.114922287	0.735905999
1.50	15.566	3.326	12.240	112.948	0.089441647	0.825347646
1.75	15.910	3.465	12.445	125.393	0.090939649	0.916287295
2.00	7.961	1.389	6.572	131.965	0.048023734	0.964311029
2.25	3.337	0.568	2.769	134.734	0.020233981	0.984545009
2.50	1.281	0.213	1.068	135.802	0.007804222	0.992349232
2.75	0.429	0.097	0.332	136.134	0.002426032	0.994775263
3.00	0.253	0.123	0.130	136.264	0.000949952	0.995725215
3.25	0.121	0.091	0.030	136.294	0.000219220	0.995944435
3.50	0.524	0.286	0.238	136.532	0.001739143	0.997683578
3.75	0.723	0.603	0.120	136.652	0.000876879	0.998560457
4.00	0.356	0.263	0.093	136.745	0.000679581	0.999240038
PAN	0.188	0.084	0.104	136.849	0.000759962	1.0

<b>TOTAL WT.</b>	152.799	grams
<b>CO3 WT</b>	136.849	grams
<b>% CARBONATE</b>	89.561	

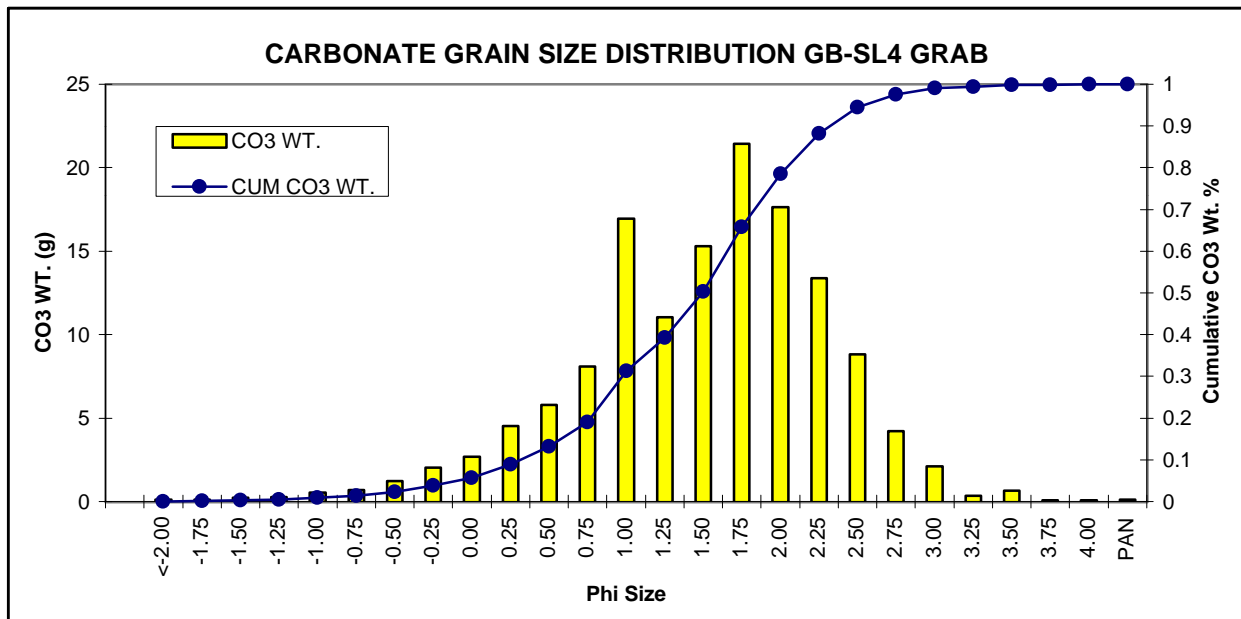


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL4 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.096	0.000	0.096	0.096	0.000693416	0.000693416
-1.75	0.121	0.000	0.121	0.217	0.000873993	0.001567409
-1.50	0.242	0.000	0.242	0.459	0.001747987	0.003315396
-1.25	0.262	0.000	0.262	0.721	0.001892448	0.005207844
-1.00	0.528	0.000	0.528	1.249	0.003813789	0.009021633
-0.75	0.682	0.000	0.682	1.931	0.004926144	0.013947777
-0.50	1.244	0.000	1.244	3.175	0.008985518	0.022933295
-0.25	2.029	0.000	2.029	5.204	0.014655639	0.037588934
0.00	2.692	0.001	2.691	7.895	0.019437322	0.057026256
0.25	4.518	0.003	4.515	12.410	0.032612229	0.089638485
0.50	5.812	0.006	5.806	18.216	0.041937231	0.131575716
0.75	8.118	0.033	8.085	26.301	0.058398642	0.189974358
1.00	17.204	0.264	16.940	43.241	0.122359060	0.312333418
1.25	12.324	1.266	11.058	54.299	0.079872874	0.392206291
1.50	17.679	2.391	15.288	69.587	0.110426523	0.502632814
1.75	27.187	5.743	21.444	91.031	0.154891834	0.657524649
2.00	23.043	5.419	17.624	108.655	0.127299650	0.784824298
2.25	17.049	3.660	13.389	122.044	0.096709885	0.881534183
2.50	10.329	1.507	8.822	130.866	0.063722056	0.945256239
2.75	4.979	0.751	4.228	135.094	0.030539203	0.975795442
3.00	2.759	0.663	2.096	137.190	0.015139586	0.990935028
3.25	0.785	0.441	0.344	137.534	0.002484741	0.993419770
3.50	1.271	0.602	0.669	138.203	0.004832244	0.998252013
3.75	1.228	1.150	0.078	138.281	0.000563401	0.998815414
4.00	0.641	0.574	0.067	138.348	0.000483947	0.999299361
PAN	0.264	0.167	0.097	138.445	0.000700639	1.0

<b>TOTAL WT.</b>	163.086	grams
<b>CO3 WT</b>	138.445	grams
<b>% CARBONATE</b>	84.891	



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL5 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.113	0.000	0.113	0.113	0.001066531	0.001066531
-1.75	0.075	0.000	0.075	0.188	0.000707874	0.001774405
-1.50	0.111	0.000	0.111	0.299	0.001047654	0.002822059
-1.25	0.169	0.000	0.169	0.468	0.001595077	0.004417136
-1.00	0.235	0.000	0.235	0.703	0.002218006	0.006635143
-0.75	0.375	0.000	0.375	1.078	0.003539372	0.010174515
-0.50	0.692	0.000	0.692	1.770	0.006531321	0.016705836
-0.25	1.305	0.000	1.305	3.075	0.012317014	0.029022850
0.00	1.798	0.000	1.798	4.873	0.016970109	0.045992959
0.25	3.233	0.002	3.231	8.104	0.030495229	0.076488188
0.50	4.495	0.001	4.494	12.598	0.042415834	0.118904022
0.75	6.127	0.005	6.122	18.720	0.057781427	0.176685449
1.00	12.630	0.085	12.545	31.265	0.118403790	0.295089239
1.25	9.483	0.815	8.668	39.933	0.081811403	0.376900643
1.50	13.425	2.001	11.424	51.357	0.107823428	0.484724071
1.75	22.221	6.817	15.404	66.761	0.145387962	0.630112033
2.00	23.988	9.693	14.295	81.056	0.134920860	0.765032893
2.25	19.910	8.104	11.806	92.862	0.111428868	0.876461761
2.50	11.189	3.113	8.076	100.938	0.076223915	0.952685675
2.75	4.621	1.012	3.609	104.547	0.034062916	0.986748591
3.00	1.579	0.399	1.180	105.727	0.011137224	0.997885815
3.25	0.201	0.196	0.005	105.732	0.000047192	0.997933007
3.50	0.313	0.156	0.157	105.889	0.001481817	0.999414824
3.75	0.134	0.115	0.019	105.908	0.000179328	0.999594152
4.00	0.102	0.095	0.007	105.915	0.000066068	0.999660220
PAN	0.094	0.058	0.036	105.951	0.000339780	1.0

TOTAL WT.

138.618

grams

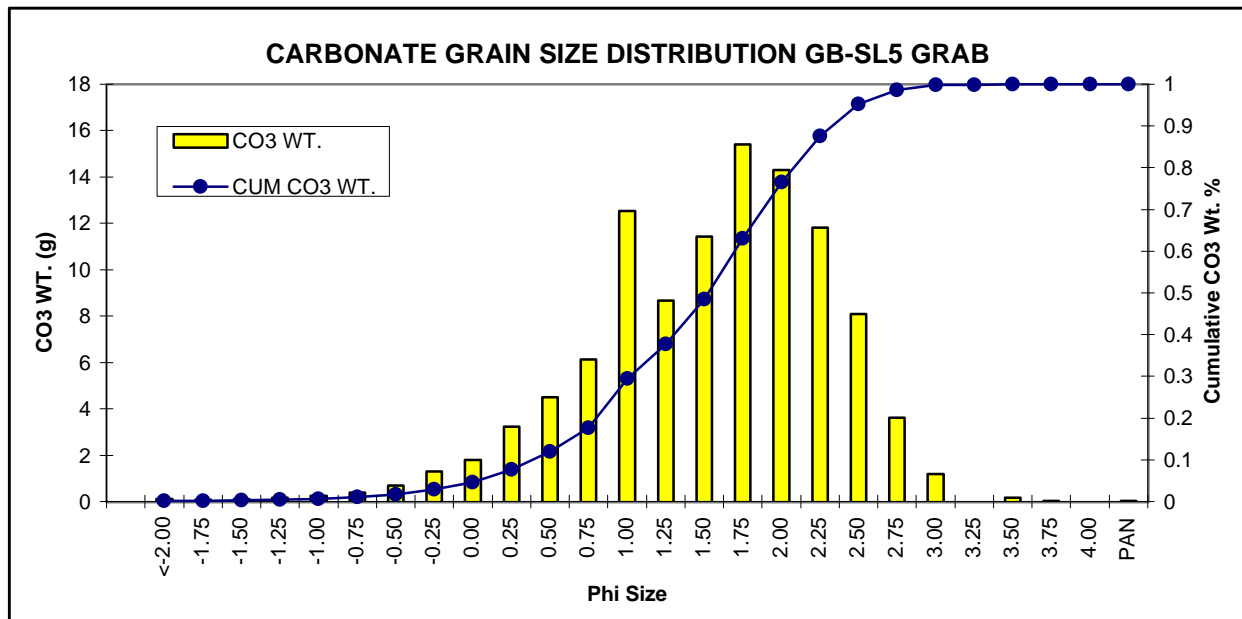
CO3 WT

105.951

grams

% CARBONATE

76.434

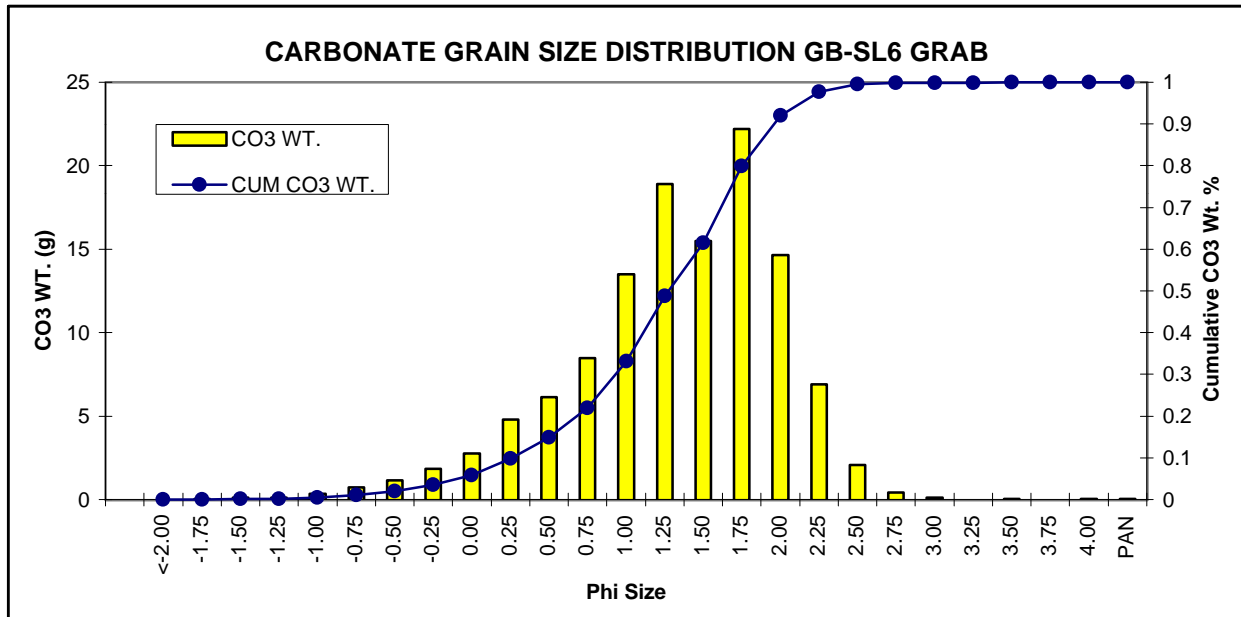


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL6 GRAB

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	0.039	0.000	0.039	0.039	0.000322768	0.000322768
-1.50	0.100	0.000	0.100	0.139	0.000827609	0.001150377
-1.25	0.121	0.000	0.121	0.260	0.001001407	0.002151783
-1.00	0.332	0.000	0.332	0.592	0.002747662	0.004899446
-0.75	0.720	0.000	0.720	1.312	0.005958785	0.010858231
-0.50	1.144	0.000	1.144	2.456	0.009467847	0.020326078
-0.25	1.830	0.000	1.830	4.286	0.015145245	0.035471323
0.00	2.747	0.000	2.747	7.033	0.022734420	0.058205744
0.25	4.795	0.003	4.792	11.825	0.039659025	0.097864769
0.50	6.167	0.014	6.153	17.978	0.050922784	0.148787553
0.75	8.591	0.126	8.465	26.443	0.070057105	0.218844658
1.00	14.463	0.953	13.510	39.953	0.111809981	0.330654639
1.25	22.808	3.904	18.904	58.857	0.156451212	0.487105851
1.50	20.847	5.374	15.473	74.330	0.128055946	0.615161798
1.75	30.625	8.422	22.203	96.533	0.183754035	0.798915832
2.00	19.151	4.490	14.661	111.194	0.121335761	0.920251593
2.25	8.389	1.470	6.919	118.113	0.057262269	0.977513862
2.50	2.401	0.326	2.075	120.188	0.017172888	0.994686750
2.75	0.533	0.118	0.415	120.603	0.003434578	0.998121327
3.00	0.219	0.121	0.098	120.701	0.000811057	0.998932384
3.25	0.081	0.066	0.015	120.716	0.000124141	0.999056526
3.50	0.253	0.217	0.036	120.752	0.000297939	0.999354465
3.75	0.381	0.365	0.016	120.768	0.000132417	0.999486882
4.00	0.204	0.184	0.020	120.788	0.000165522	0.999652404
PAN	0.108	0.066	0.042	120.830	0.000347596	1.0

<b>TOTAL WT.</b>	147.049	grams
<b>CO3 WT</b>	120.830	grams
<b>% CARBONATE</b>	82.170	



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL7 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.084	0.000	0.084	0.084	0.001262209	0.001262209
-1.75	0.021	0.000	0.021	0.105	0.000315552	0.001577761
-1.50	0.044	0.000	0.044	0.149	0.000661157	0.002238918
-1.25	0.100	0.000	0.100	0.249	0.001502630	0.003741548
-1.00	0.110	0.000	0.110	0.359	0.001652893	0.005394440
-0.75	0.162	0.000	0.162	0.521	0.002434260	0.007828700
-0.50	0.322	0.000	0.322	0.843	0.004838467	0.012667168
-0.25	0.549	0.000	0.549	1.392	0.008249437	0.020916604
0.00	0.874	0.000	0.874	2.266	0.013132983	0.034049587
0.25	1.627	0.006	1.621	3.887	0.024357626	0.058407213
0.50	2.377	0.003	2.374	6.261	0.035672427	0.094079639
0.75	3.645	0.012	3.633	9.894	0.054590533	0.148670173
1.00	6.225	0.053	6.172	16.066	0.092742299	0.241412472
1.25	8.806	0.323	8.483	24.549	0.127468069	0.368880541
1.50	9.732	0.949	8.783	33.332	0.131975958	0.500856499
1.75	16.266	4.195	12.071	45.403	0.181382419	0.682238918
2.00	16.417	5.969	10.448	55.851	0.156994741	0.839233659
2.25	10.786	3.928	6.858	62.709	0.103050338	0.942283997
2.50	3.956	0.969	2.987	65.696	0.044883546	0.987167543
2.75	0.780	0.134	0.646	66.342	0.009706987	0.996874530
3.00	0.159	0.065	0.094	66.436	0.001412472	0.998287002
3.25	0.035	0.016	0.019	66.455	0.000285500	0.998572502
3.50	0.056	0.042	0.014	66.469	0.000210368	0.998782870
3.75	0.050	0.015	0.035	66.504	0.000525920	0.999308790
4.00	0.051	0.035	0.016	66.520	0.000240421	0.999549211
PAN	0.056	0.026	0.030	66.550	0.000450789	1.0

TOTAL WT.

83.290

grams

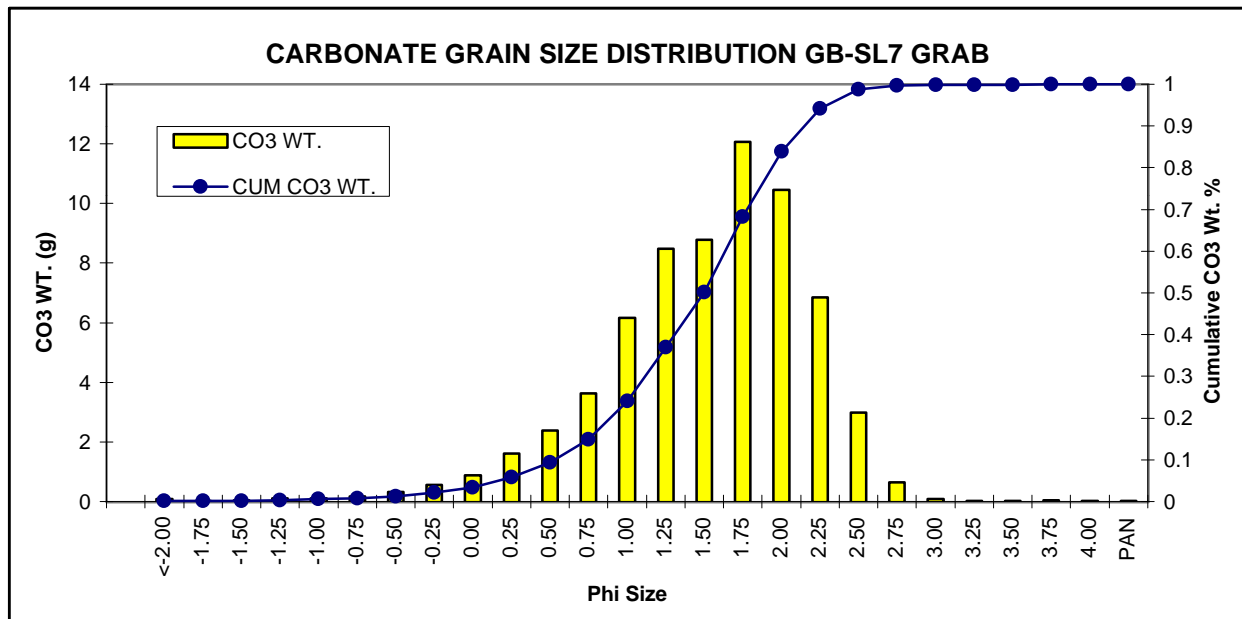
CO3 WT

66.550

grams

% CARBONATE

79.902





# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL8 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.343	0.000	0.343	0.343	0.003191232	0.003191232
-1.75	0.353	0.000	0.353	0.696	0.003284271	0.006475503
-1.50	0.399	0.000	0.399	1.095	0.003712249	0.010187752
-1.25	0.697	0.000	0.697	1.792	0.006484807	0.016672559
-1.00	1.092	0.000	1.092	2.884	0.010159841	0.026832400
-0.75	1.796	0.000	1.796	4.680	0.016709775	0.043542175
-0.50	3.073	0.000	3.073	7.753	0.028590834	0.072133008
-0.25	4.320	0.000	4.320	12.073	0.040192776	0.112325785
0.00	5.331	0.003	5.328	17.401	0.049571091	0.161896876
0.25	7.445	0.017	7.428	24.829	0.069109246	0.231006122
0.50	7.835	0.048	7.787	32.616	0.072449340	0.303455462
0.75	8.934	0.185	8.749	41.365	0.081399676	0.384855139
1.00	11.717	0.841	10.876	52.241	0.101189036	0.486044175
1.25	13.710	1.903	11.807	64.048	0.109850952	0.595895127
1.50	11.458	1.861	9.597	73.645	0.089289369	0.685184496
1.75	14.487	3.155	11.332	84.977	0.105431607	0.790616103
2.00	11.017	2.756	8.261	93.238	0.076859381	0.867475484
2.25	8.151	1.852	6.299	99.537	0.058605162	0.926080646
2.50	5.249	0.942	4.307	103.844	0.040071826	0.966152472
2.75	2.364	0.393	1.971	105.815	0.018337954	0.984490426
3.00	0.929	0.216	0.713	106.528	0.006633669	0.991124095
3.25	0.237	0.149	0.088	106.616	0.000818742	0.991942837
3.50	0.689	0.306	0.383	106.999	0.003563387	0.995506224
3.75	1.208	1.056	0.152	107.151	0.001414190	0.996920415
4.00	0.856	0.691	0.165	107.316	0.001535141	0.998455555
PAN	0.377	0.211	0.166	107.482	0.001544445	1.0

TOTAL WT.

124.067

grams

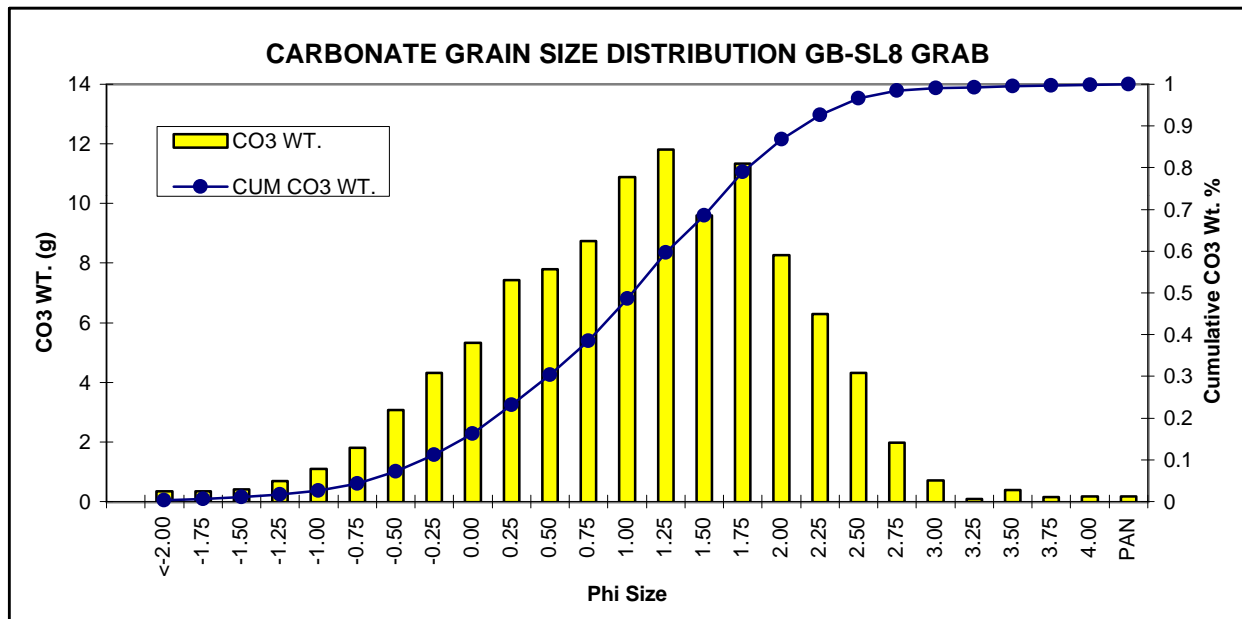
CO3 WT

107.482

grams

% CARBONATE

86.632



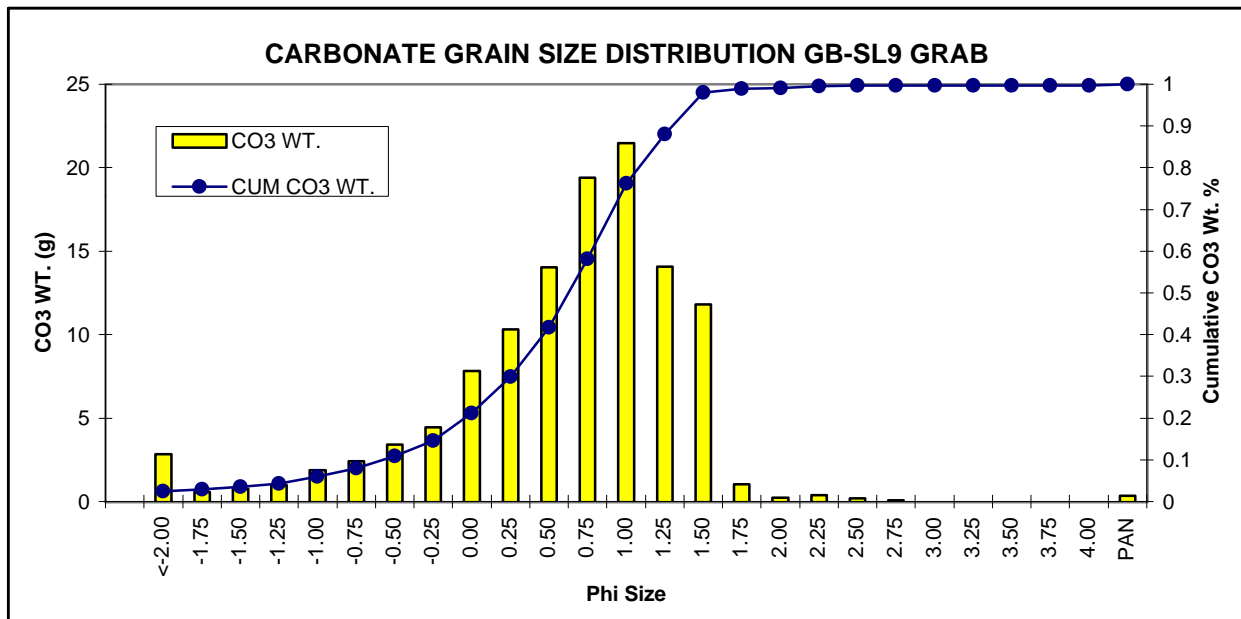
# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL9 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.823	0.000	2.823	2.823	0.023806110	0.023806110
-1.75	0.582	0.000	0.582	3.405	0.004907955	0.028714065
-1.50	0.777	0.000	0.777	4.182	0.006552373	0.035266438
-1.25	0.997	0.000	0.997	5.179	0.008407613	0.043674051
-1.00	1.889	0.000	1.889	7.068	0.015929771	0.059603822
-0.75	2.415	0.000	2.415	9.483	0.020365482	0.079969304
-0.50	3.415	0.000	3.415	12.898	0.028798394	0.108767699
-0.25	4.455	0.000	4.455	17.353	0.037568623	0.146336321
0.00	7.820	0.014	7.806	25.159	0.065827311	0.212163632
0.25	10.383	0.053	10.330	35.489	0.087111981	0.299275613
0.50	14.201	0.152	14.049	49.538	0.118473980	0.417749593
0.75	19.816	0.424	19.392	68.930	0.163531029	0.581280622
1.00	22.329	0.842	21.487	90.417	0.181197979	0.762478601
1.25	16.270	2.213	14.057	104.474	0.118541444	0.881020045
1.50	14.849	3.039	11.810	116.284	0.099592690	0.980612735
1.75	5.277	4.230	1.047	117.331	0.008829259	0.989441994
2.00	1.722	1.483	0.239	117.570	0.002015466	0.991457460
2.25	0.887	0.508	0.379	117.949	0.003196074	0.994653534
2.50	0.437	0.250	0.187	118.136	0.001576955	0.996230488
2.75	0.209	0.145	0.064	118.200	0.000539706	0.996770195
3.00	0.027	0.019	0.008	118.208	0.000067463	0.996837658
3.25	0.085	0.071	0.014	118.222	0.000118061	0.996955719
3.50	0.007	0.005	0.002	118.224	0.000016866	0.996972585
3.75	0.084	0.065	0.019	118.243	0.000160225	0.997132810
4.00	0.057	0.051	0.006	118.249	0.000050597	0.997183407
PAN	0.377	0.043	0.334	118.583	0.002816593	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

132.190 grams  
118.583 grams  
89.706



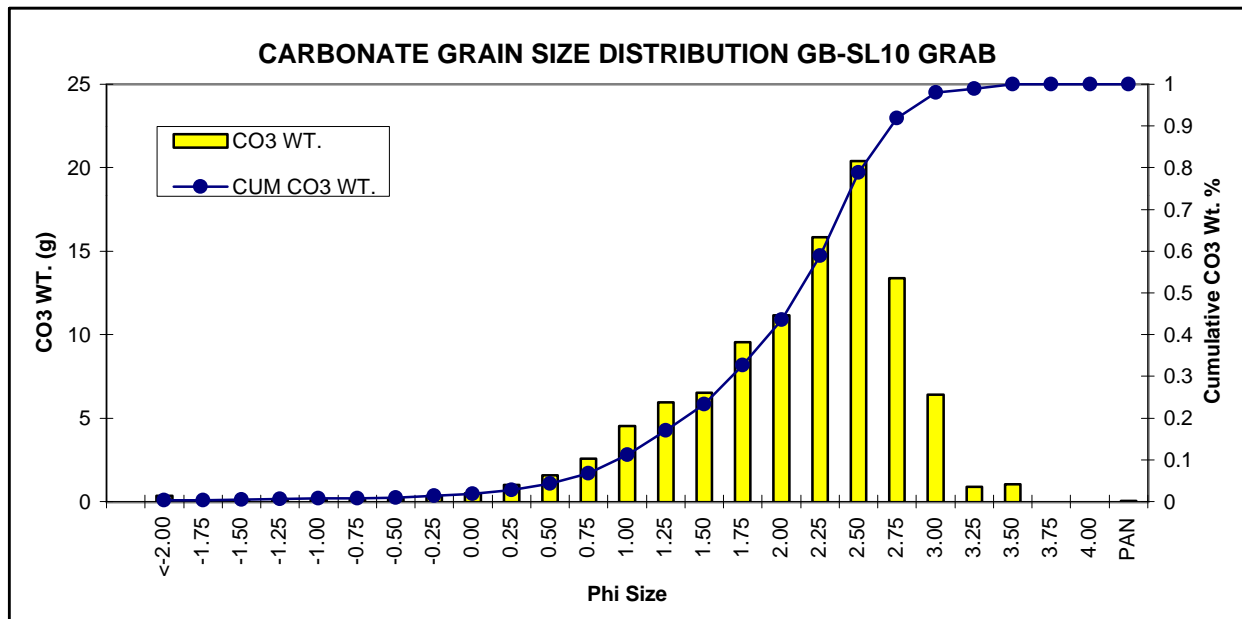
# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL10 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.338	0.000	0.338	0.338	0.003292710	0.003292710
-1.75	0.052	0.000	0.052	0.390	0.000506571	0.003799281
-1.50	0.081	0.000	0.081	0.471	0.000789081	0.004588363
-1.25	0.136	0.000	0.136	0.607	0.001324877	0.005913240
-1.00	0.114	0.000	0.114	0.721	0.001110559	0.007023799
-0.75	0.099	0.000	0.099	0.820	0.000964433	0.007988232
-0.50	0.182	0.000	0.182	1.002	0.001772998	0.009761230
-0.25	0.359	0.000	0.359	1.361	0.003497287	0.013258517
0.00	0.511	0.000	0.511	1.872	0.004978032	0.018236549
0.25	0.982	0.002	0.980	2.852	0.009546911	0.027783460
0.50	1.580	0.003	1.577	4.429	0.015362734	0.043146194
0.75	2.570	0.014	2.556	6.985	0.024899904	0.068046098
1.00	4.593	0.068	4.525	11.510	0.044081402	0.112127500
1.25	6.263	0.326	5.937	17.447	0.057836748	0.169964248
1.50	7.207	0.683	6.524	23.971	0.063555153	0.233519401
1.75	11.151	1.586	9.565	33.536	0.093179803	0.326699204
2.00	13.580	2.437	11.143	44.679	0.108552279	0.435251483
2.25	19.871	4.041	15.830	60.509	0.154211844	0.589463327
2.50	25.255	4.874	20.381	80.890	0.198546531	0.788009859
2.75	16.993	3.618	13.375	94.265	0.130295857	0.918305715
3.00	8.559	2.168	6.391	100.656	0.062259501	0.980565216
3.25	1.754	0.862	0.892	101.548	0.008689638	0.989254854
3.50	1.402	0.349	1.053	102.601	0.010258059	0.999512913
3.75	0.212	0.211	0.001	102.602	0.000009742	0.999522654
4.00	0.085	0.072	0.013	102.615	0.000126643	0.999649297
PAN	0.067	0.031	0.036	102.651	0.000350703	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

123.996 grams  
102.651 grams  
82.786



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL11 GRAB

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	0.028	0.000	0.028	0.028	0.000581202	0.000581202
-1.50	0.000	0.000	0.000	0.028	0.000000000	0.000581202
-1.25	0.158	0.000	0.158	0.186	0.003279641	0.003860844
-1.00	0.155	0.000	0.155	0.341	0.003217370	0.007078213
-0.75	0.305	0.000	0.305	0.646	0.006330953	0.013409166
-0.50	0.484	0.000	0.484	1.130	0.010046496	0.023455663
-0.25	0.879	0.000	0.879	2.009	0.018245599	0.041701262
0.00	1.318	0.008	1.310	3.319	0.027191963	0.068893225
0.25	2.204	0.009	2.195	5.514	0.045562106	0.114455330
0.50	3.206	0.088	3.118	8.632	0.064721023	0.179176353
0.75	4.537	0.206	4.331	12.963	0.089899535	0.269075888
1.00	6.638	0.368	6.270	19.233	0.130147791	0.399223680
1.25	8.090	0.953	7.137	26.370	0.148144304	0.547367984
1.50	7.844	1.418	6.426	32.796	0.133385918	0.680753902
1.75	9.311	2.755	6.556	39.352	0.136084357	0.816838260
2.00	6.165	1.915	4.250	43.602	0.088218200	0.905056460
2.25	3.817	1.124	2.693	46.295	0.055899203	0.960955663
2.50	1.854	0.484	1.370	47.665	0.028437396	0.989393059
2.75	0.551	0.150	0.401	48.066	0.008323647	0.997716705
3.00	0.168	0.098	0.070	48.136	0.001453006	0.999169711
3.25	0.024	0.016	0.008	48.144	0.000166058	0.999335769
3.50	0.044	0.037	0.007	48.151	0.000145301	0.999481069
3.75	0.022	0.010	0.012	48.163	0.000249087	0.999730156
4.00	0.018	0.016	0.002	48.165	0.000041514	0.999771671
PAN	0.035	0.024	0.011	48.176	0.000228329	1.0

TOTAL WT.

57.855

grams

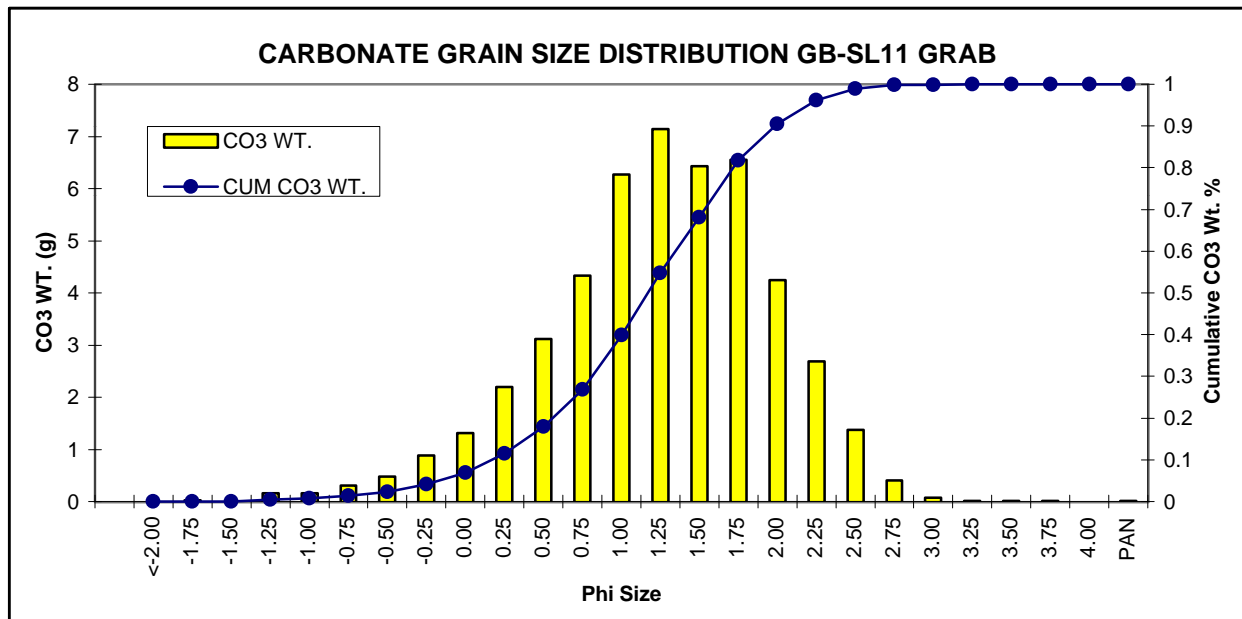
CO3 WT

48.176

grams

% CARBONATE

83.270

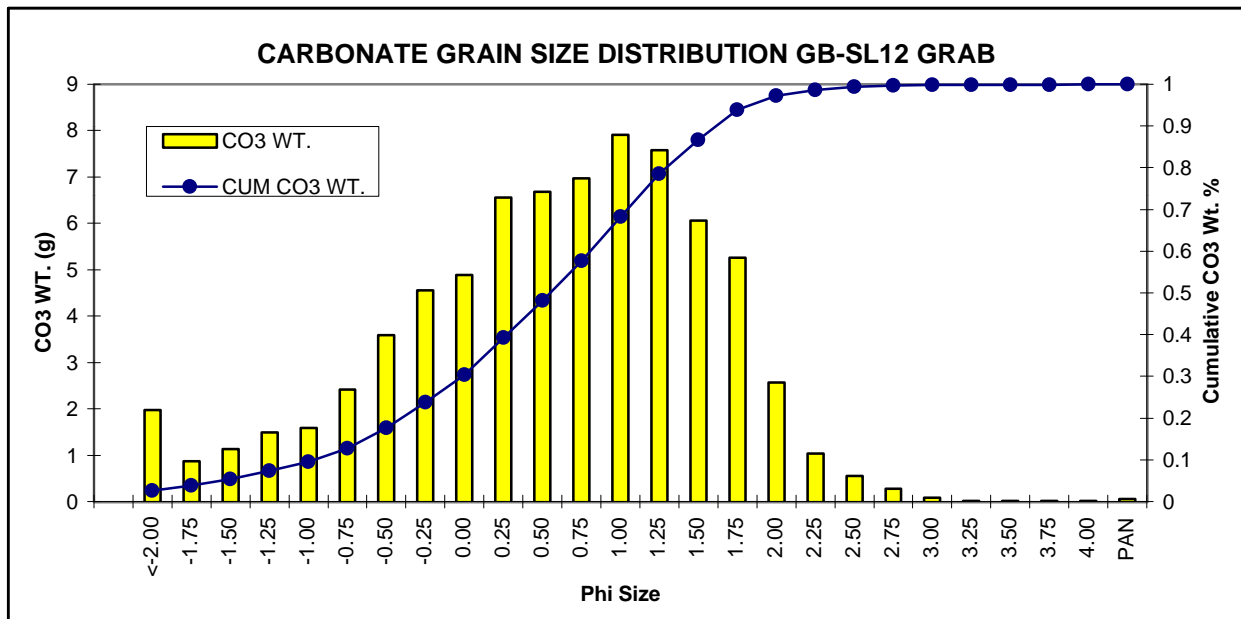


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL12 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.978	0.000	1.978	1.978	0.026691856	0.026691856
-1.75	0.872	0.000	0.872	2.850	0.011767087	0.038458943
-1.50	1.127	0.000	1.127	3.977	0.015208151	0.053667094
-1.25	1.488	0.000	1.488	5.465	0.020079617	0.073746711
-1.00	1.592	0.000	1.592	7.057	0.021483031	0.095229742
-0.75	2.422	0.013	2.409	9.466	0.032507928	0.127737670
-0.50	3.595	0.000	3.595	13.061	0.048512246	0.176249916
-0.25	4.558	0.005	4.553	17.614	0.061439849	0.237689765
0.00	4.889	0.005	4.884	22.498	0.065906484	0.303596249
0.25	6.588	0.025	6.563	29.061	0.088563525	0.392159773
0.50	6.748	0.064	6.684	35.745	0.090196343	0.482356116
0.75	7.160	0.195	6.965	42.710	0.093988260	0.576344376
1.00	8.527	0.622	7.905	50.615	0.106672964	0.683017340
1.25	9.394	1.820	7.574	58.189	0.102206329	0.785223669
1.50	7.779	1.718	6.061	64.250	0.081789353	0.867013022
1.75	7.121	1.865	5.256	69.506	0.070926388	0.937939410
2.00	3.526	0.962	2.564	72.070	0.034599555	0.972538965
2.25	1.527	0.490	1.037	73.107	0.013993658	0.986532623
2.50	0.787	0.240	0.547	73.654	0.007381418	0.993914041
2.75	0.415	0.141	0.274	73.928	0.003697456	0.997611497
3.00	0.204	0.115	0.089	74.017	0.001200999	0.998812496
3.25	0.045	0.036	0.009	74.026	0.000121449	0.998933945
3.50	0.093	0.082	0.011	74.037	0.000148438	0.999082383
3.75	0.054	0.045	0.009	74.046	0.000121449	0.999203832
4.00	0.046	0.036	0.010	74.056	0.000134944	0.999338776
PAN	0.083	0.034	0.049	74.105	0.000661224	1.0

<b>TOTAL WT.</b>	82.618	grams
<b>CO3 WT</b>	74.105	grams
<b>% CARBONATE</b>	89.696	

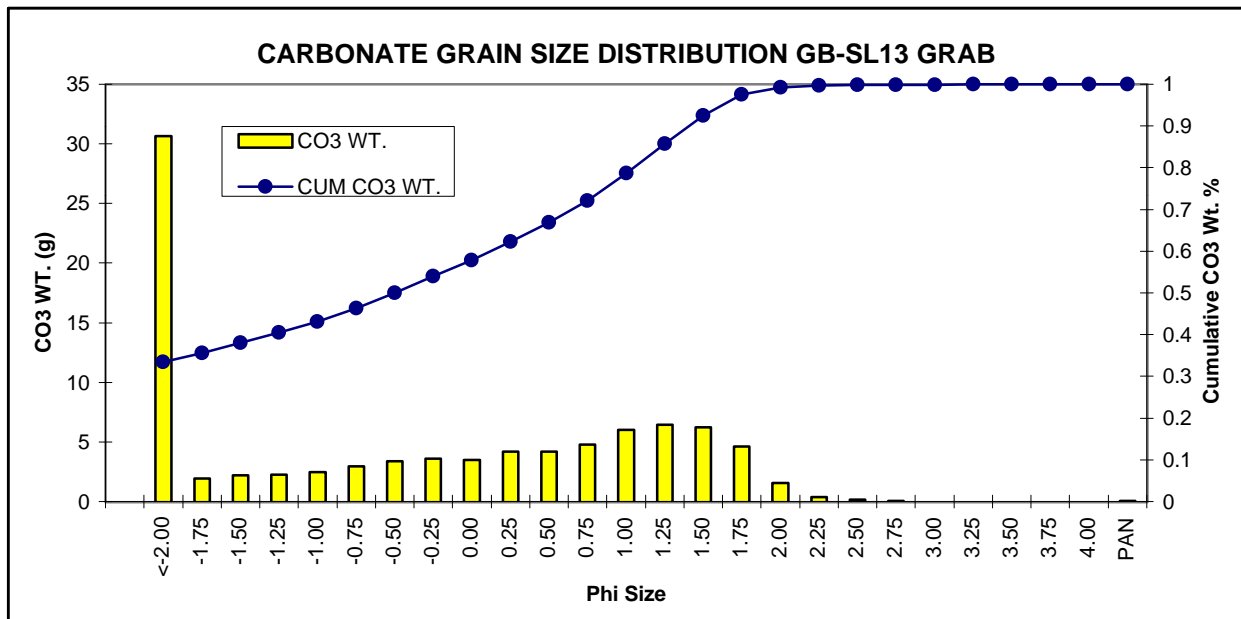


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL13 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	30.667	0.000	30.667	30.667	0.334752377	0.334752377
-1.75	1.944	0.000	1.944	32.611	0.021220159	0.355972536
-1.50	2.198	0.000	2.198	34.809	0.023992752	0.379965288
-1.25	2.254	0.000	2.254	37.063	0.024604032	0.404569320
-1.00	2.444	0.000	2.444	39.507	0.026678019	0.431247339
-0.75	2.962	0.000	2.962	42.469	0.032332362	0.463579701
-0.50	3.374	0.000	3.374	45.843	0.036829638	0.500409339
-0.25	3.612	0.002	3.610	49.453	0.039405748	0.539815088
0.00	3.500	0.020	3.480	52.933	0.037986705	0.577801792
0.25	4.252	0.072	4.180	57.113	0.045627708	0.623429501
0.50	4.301	0.102	4.199	61.312	0.045835107	0.669264608
0.75	4.994	0.228	4.766	66.078	0.052024320	0.721288928
1.00	7.251	1.247	6.004	72.082	0.065537981	0.786826909
1.25	11.435	5.006	6.429	78.511	0.070177162	0.857004072
1.50	10.801	4.553	6.248	84.759	0.068201417	0.925205488
1.75	8.048	3.444	4.604	89.363	0.050255974	0.975461462
2.00	2.309	0.775	1.534	90.897	0.016744714	0.992206176
2.25	0.661	0.289	0.372	91.269	0.004060648	0.996266824
2.50	0.357	0.184	0.173	91.442	0.001888420	0.998155243
2.75	0.179	0.107	0.072	91.514	0.000785932	0.998941175
3.00	0.121	0.101	0.020	91.534	0.000218314	0.999159490
3.25	0.048	0.036	0.012	91.546	0.000130989	0.999290478
3.50	0.138	0.129	0.009	91.555	0.000098241	0.999388720
3.75	0.042	0.030	0.012	91.567	0.000130989	0.999519708
4.00	0.026	0.016	0.010	91.577	0.000109157	0.999628866
PAN	0.063	0.029	0.034	91.611	0.000371134	1.0

<b>TOTAL WT.</b>	107.981	grams
<b>CO3 WT</b>	91.611	grams
<b>% CARBONATE</b>	84.840	



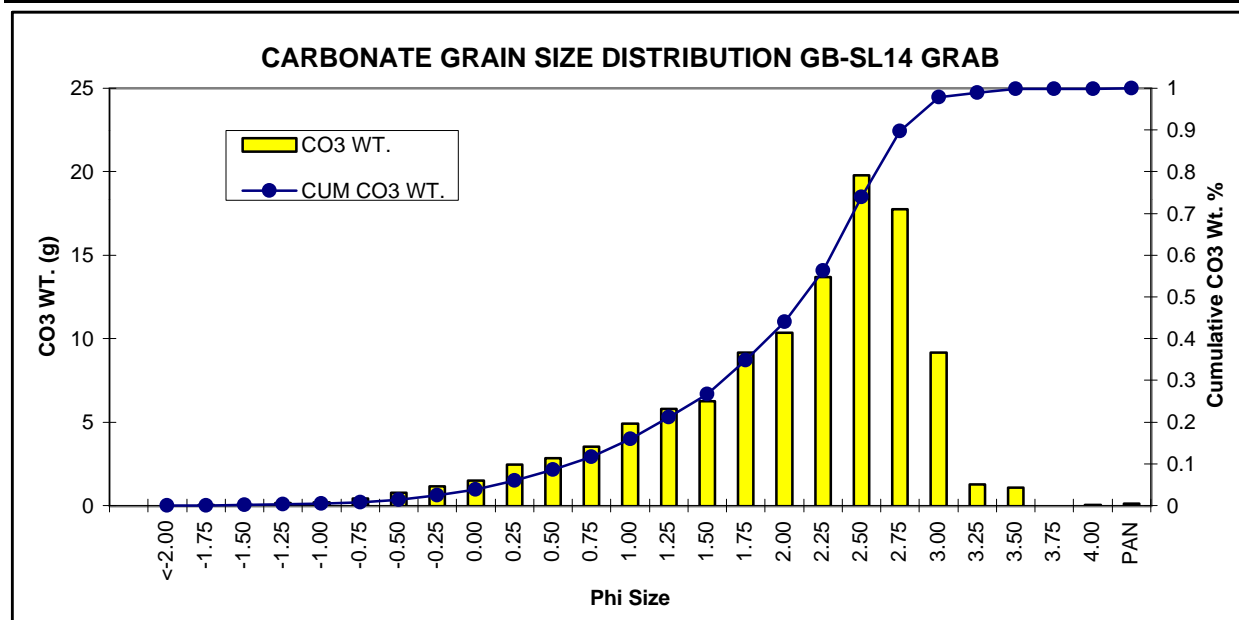
# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-SL14 GRAB

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	0.052	0.000	0.052	0.052	0.000462526	0.000462526
-1.50	0.052	0.000	0.052	0.104	0.000462526	0.000925053
-1.25	0.165	0.000	0.165	0.269	0.001467632	0.002392685
-1.00	0.205	0.016	0.189	0.458	0.001681106	0.004073791
-0.75	0.405	0.000	0.405	0.863	0.003602370	0.007676160
-0.50	0.750	0.000	0.750	1.613	0.006671055	0.014347215
-0.25	1.161	0.003	1.158	2.771	0.010300109	0.024647324
0.00	1.516	0.004	1.512	4.283	0.013448846	0.038096170
0.25	2.476	0.031	2.445	6.728	0.021747638	0.059843808
0.50	2.911	0.066	2.845	9.573	0.025305534	0.085149343
0.75	3.681	0.164	3.517	13.090	0.031282799	0.116432142
1.00	5.190	0.298	4.892	17.982	0.043513066	0.159945208
1.25	6.270	0.480	5.790	23.772	0.051500543	0.211445751
1.50	6.811	0.558	6.253	30.025	0.055618807	0.267064558
1.75	11.253	2.098	9.155	39.180	0.081431342	0.348495900
2.00	13.579	3.217	10.362	49.542	0.092167292	0.440663192
2.25	17.645	3.948	13.697	63.239	0.121831249	0.562494441
2.50	24.733	4.945	19.788	83.027	0.176009108	0.738503549
2.75	23.435	5.663	17.772	100.799	0.158077313	0.896580862
3.00	12.551	3.400	9.151	109.950	0.081395763	0.977976625
3.25	2.255	1.003	1.252	111.202	0.011136214	0.989112839
3.50	1.566	0.505	1.061	112.263	0.009437319	0.998550157
3.75	0.325	0.315	0.010	112.273	0.000088947	0.998639105
4.00	0.170	0.143	0.027	112.300	0.000240158	0.998879263
PAN	0.200	0.074	0.126	112.426	0.001120737	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

139.357      grams  
112.426      grams  
80.675



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-IR1 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	12.830	0.000	12.830	12.830	0.166254163	0.166254163
-1.75	4.054	0.000	4.054	16.884	0.052532687	0.218786850
-1.50	4.717	0.000	4.717	21.601	0.061123997	0.279910847
-1.25	6.000	0.000	6.000	27.601	0.077749414	0.357660261
-1.00	7.732	0.000	7.732	35.333	0.100193078	0.457853339
-0.75	7.720	0.000	7.720	43.053	0.100037579	0.557890918
-0.50	6.907	0.000	6.907	49.960	0.089502533	0.647393451
-0.25	6.140	0.016	6.124	56.084	0.079356235	0.726749686
0.00	4.761	0.118	4.643	60.727	0.060165088	0.786914774
0.25	4.648	0.290	4.358	65.085	0.056471991	0.843386764
0.50	3.482	0.209	3.273	68.358	0.042412305	0.885799070
0.75	3.123	0.345	2.778	71.136	0.035997979	0.921797048
1.00	3.289	0.724	2.565	73.701	0.033237874	0.955034922
1.25	2.243	0.570	1.673	75.374	0.021679128	0.976714051
1.50	0.920	0.239	0.681	76.055	0.008824558	0.985538609
1.75	0.818	0.283	0.535	76.590	0.006932656	0.992471265
2.00	0.390	0.191	0.199	76.789	0.002578689	0.995049954
2.25	0.273	0.137	0.136	76.925	0.001762320	0.996812274
2.50	0.215	0.115	0.100	77.025	0.001295824	0.998108098
2.75	0.136	0.093	0.043	77.068	0.000557204	0.998665302
3.00	0.078	0.068	0.010	77.078	0.000129582	0.998794884
3.25	0.024	0.016	0.008	77.086	0.000103666	0.998898550
3.50	0.061	0.048	0.013	77.099	0.000168457	0.999067007
3.75	0.047	0.040	0.007	77.106	0.000090708	0.999157715
4.00	0.049	0.039	0.010	77.116	0.000129582	0.999287297
PAN	0.088	0.033	0.055	77.171	0.000712703	1.0

TOTAL WT.

80.745

grams

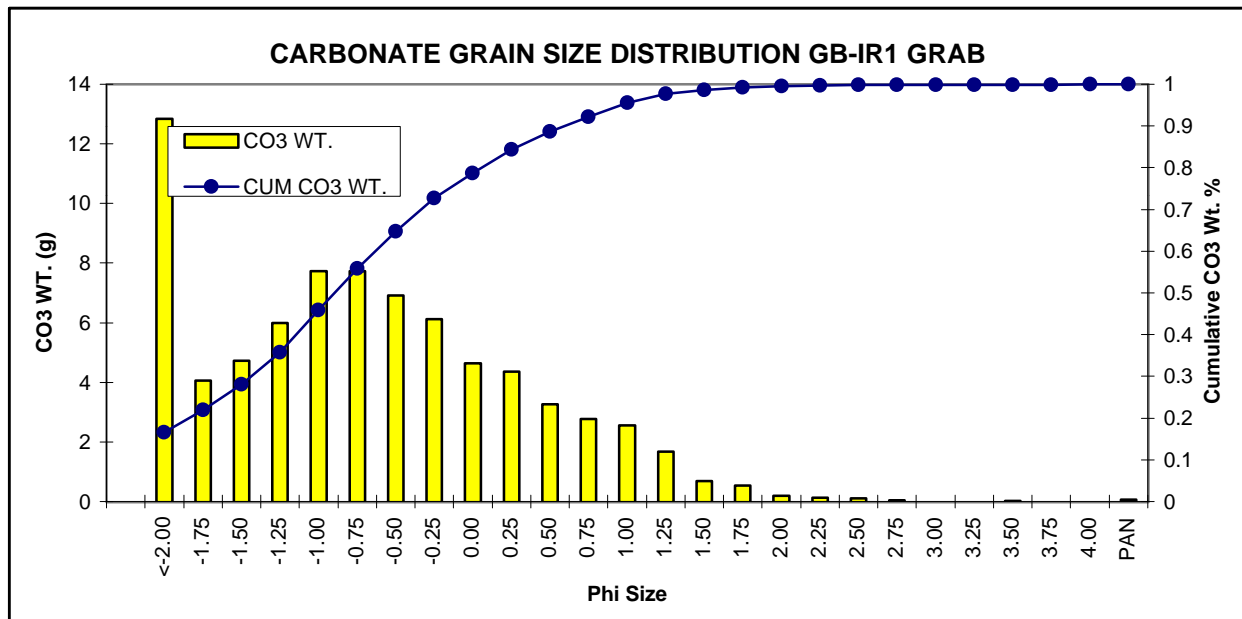
CO3 WT

77.171

grams

% CARBONATE

95.574





# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-IR2 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	18.976	0.000	18.976	18.976	0.090113449	0.090113449
-1.75	2.939	0.000	2.939	21.915	0.013956757	0.104070206
-1.50	3.136	0.000	3.136	25.051	0.014892273	0.118962480
-1.25	5.400	0.000	5.400	30.451	0.025643583	0.144606062
-1.00	6.229	0.000	6.229	36.680	0.029580348	0.174186410
-0.75	7.452	0.000	7.452	44.132	0.035388144	0.209574554
-0.50	9.084	0.000	9.084	53.216	0.043138205	0.252712759
-0.25	9.740	0.004	9.736	62.952	0.046234430	0.298947188
0.00	10.894	0.007	10.887	73.839	0.051700312	0.350647500
0.25	16.618	0.389	16.229	90.068	0.077068464	0.427715964
0.50	21.688	1.542	20.146	110.214	0.095669559	0.523385523
0.75	28.492	4.197	24.295	134.509	0.115372378	0.638757901
1.00	41.394	10.885	30.509	165.018	0.144881493	0.783639394
1.25	37.888	16.974	20.914	185.932	0.099316646	0.882956040
1.50	17.589	6.801	10.788	196.720	0.051230180	0.934186220
1.75	12.458	5.121	7.337	204.057	0.034842031	0.969028251
2.00	5.104	2.297	2.807	206.864	0.013329914	0.982358165
2.25	2.765	1.214	1.551	208.415	0.007365407	0.989723572
2.50	2.369	0.584	1.785	210.200	0.008476629	0.998200200
2.75	0.527	0.232	0.295	210.495	0.001400899	0.999601100
3.00	0.161	0.148	0.013	210.508	0.000061735	0.999662834
3.25	0.043	0.025	0.018	210.526	0.000085479	0.999748313
3.50	0.049	0.038	0.011	210.537	0.000052237	0.999800550
3.75	0.027	0.010	0.017	210.554	0.000080730	0.999881280
4.00	0.020	0.003	0.017	210.571	0.000080730	0.999962010
PAN	0.027	0.019	0.008	210.579	0.000037990	1.0

TOTAL WT.

261.069

grams

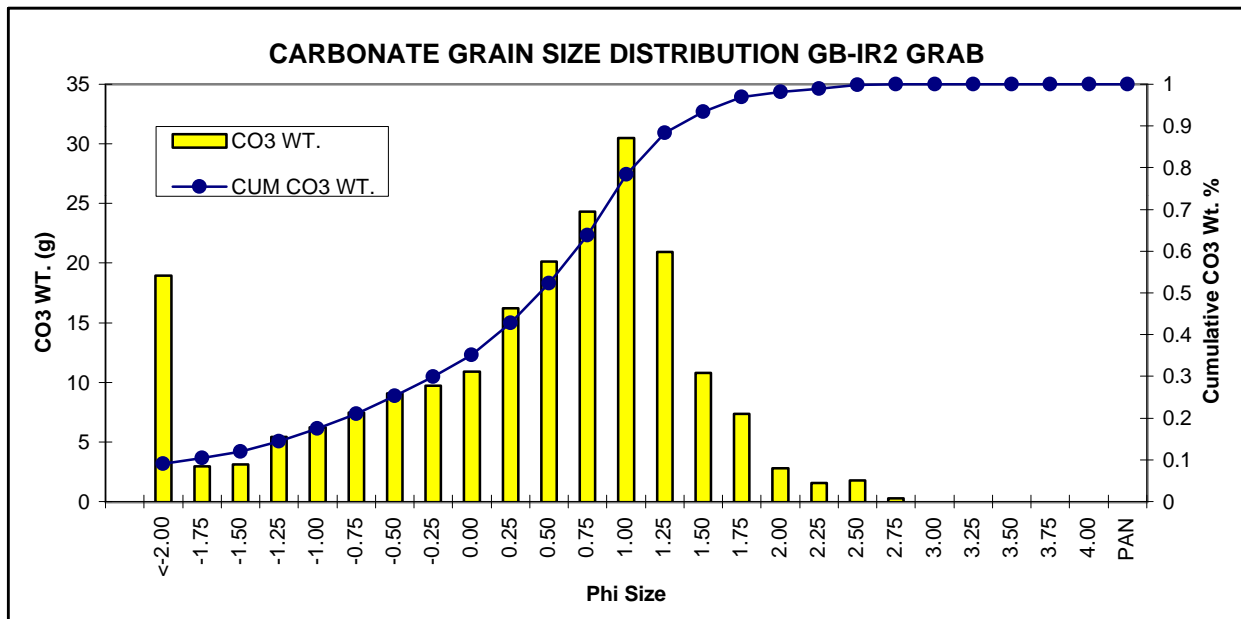
CO3 WT

210.579

grams

% CARBONATE

80.660



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-IR3 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.075	0.000	0.075	0.075	0.000928954	0.000928954
-1.75	0.052	0.000	0.052	0.127	0.000644075	0.001573028
-1.50	0.067	0.000	0.067	0.194	0.000829865	0.002402893
-1.25	0.128	0.000	0.128	0.322	0.001585414	0.003988308
-1.00	0.272	0.000	0.272	0.594	0.003369005	0.007357313
-0.75	0.552	0.000	0.552	1.146	0.006837099	0.014194411
-0.50	0.767	0.000	0.767	1.913	0.009500099	0.023694511
-0.25	1.423	0.000	1.423	3.336	0.017625347	0.041319857
0.00	2.115	0.025	2.090	5.426	0.025886841	0.067206698
0.25	4.029	0.116	3.913	9.339	0.048466607	0.115673306
0.50	5.849	0.358	5.491	14.830	0.068011792	0.183685097
0.75	8.812	1.197	7.615	22.445	0.094319758	0.278004855
1.00	13.627	3.295	10.332	32.777	0.127972652	0.405977507
1.25	16.607	5.850	10.757	43.534	0.133236722	0.539214229
1.50	13.108	4.338	8.770	52.304	0.108625644	0.647839873
1.75	15.971	6.259	9.712	62.016	0.120293302	0.768133175
2.00	11.666	4.296	7.370	69.386	0.091285176	0.859418351
2.25	8.703	2.938	5.765	75.151	0.071405569	0.930823920
2.50	5.288	1.473	3.815	78.966	0.047252774	0.978076694
2.75	1.929	0.502	1.427	80.393	0.017674891	0.995751585
3.00	0.489	0.186	0.303	80.696	0.003752973	0.999504558
3.25	0.062	0.056	0.006	80.702	0.000074316	0.999578874
3.50	0.082	0.079	0.003	80.705	0.000037158	0.999616033
3.75	0.031	0.015	0.016	80.721	0.000198177	0.999814209
4.00	0.017	0.006	0.011	80.732	0.000136247	0.999950456
PAN	0.043	0.039	0.004	80.736	0.000049544	1.0

TOTAL WT.

111.764

grams

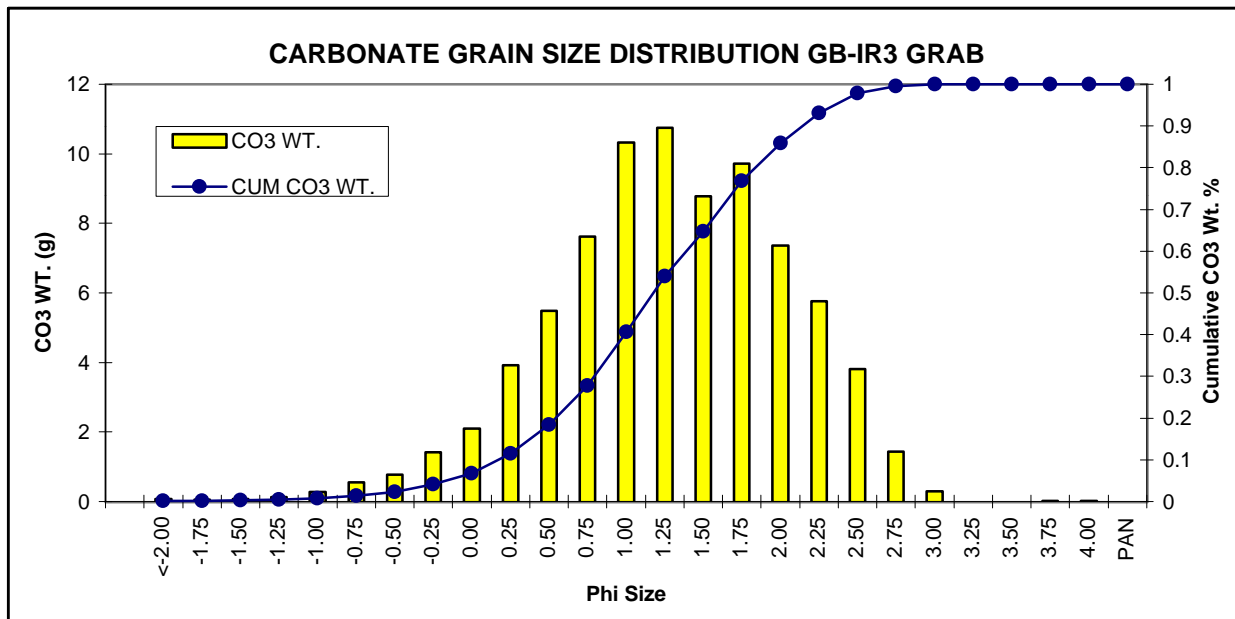
CO3 WT

80.736

grams

% CARBONATE

72.238



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-IR4 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.185	0.000	0.185	0.185	0.003198700	0.003198700
-1.75	0.074	0.000	0.074	0.259	0.001279480	0.004478180
-1.50	0.181	0.000	0.181	0.440	0.003129539	0.007607718
-1.25	0.207	0.000	0.207	0.647	0.003579086	0.011186804
-1.00	0.179	0.000	0.179	0.826	0.003094958	0.014281762
-0.75	0.346	0.000	0.346	1.172	0.005982433	0.020264195
-0.50	0.620	0.000	0.620	1.792	0.010719967	0.030984162
-0.25	0.984	0.001	0.983	2.775	0.016996334	0.047980497
0.00	1.295	0.000	1.295	4.070	0.022390898	0.070371395
0.25	2.319	0.042	2.277	6.347	0.039369943	0.109741338
0.50	3.063	0.126	2.937	9.284	0.050781520	0.160522858
0.75	4.209	0.391	3.818	13.102	0.066014247	0.226537105
1.00	6.342	1.210	5.132	18.234	0.088733661	0.315270766
1.25	8.007	2.091	5.916	24.150	0.102289232	0.417559997
1.50	8.247	2.343	5.904	30.054	0.102081748	0.519641746
1.75	11.654	4.193	7.461	37.515	0.129002697	0.648644443
2.00	10.990	4.314	6.676	44.191	0.115429836	0.764074279
2.25	10.692	4.386	6.306	50.497	0.109032437	0.873106716
2.50	7.881	3.010	4.871	55.368	0.084220900	0.957327616
2.75	3.136	1.138	1.998	57.366	0.034545958	0.991873574
3.00	0.732	0.315	0.417	57.783	0.007210042	0.999083616
3.25	0.058	0.051	0.007	57.790	0.000121032	0.999204648
3.50	0.084	0.064	0.020	57.810	0.000345805	0.999550453
3.75	0.022	0.010	0.012	57.822	0.000207483	0.999757936
4.00	0.015	0.011	0.004	57.826	0.000069161	0.999827097
PAN	0.039	0.029	0.010	57.836	0.000172903	1.0

TOTAL WT.

81.561

grams

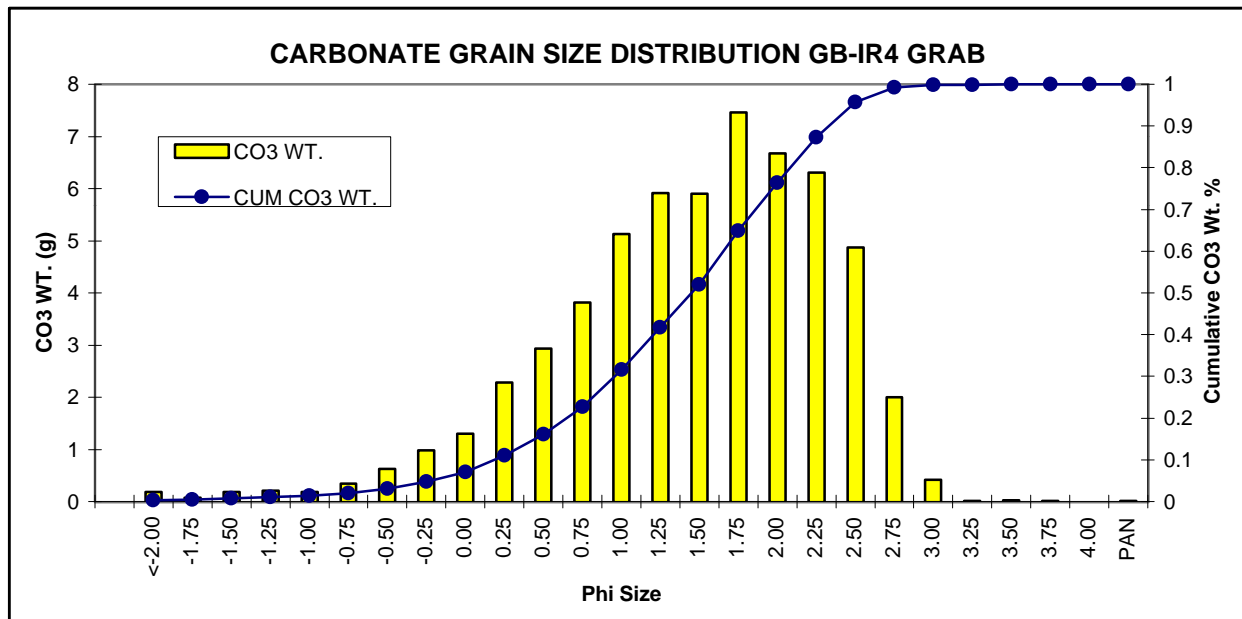
CO3 WT

57.836

grams

% CARBONATE

70.911



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-IR5 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	6.521	0.000	6.521	6.521	0.056058457	0.056058457
-1.75	2.057	0.000	2.057	8.578	0.017683215	0.073741672
-1.50	3.063	0.000	3.063	11.641	0.026331399	0.100073071
-1.25	4.292	0.000	4.292	15.933	0.036896626	0.136969697
-1.00	5.507	0.000	5.507	21.440	0.047341500	0.184311197
-0.75	7.325	0.000	7.325	28.765	0.062970127	0.247281324
-0.50	8.264	0.000	8.264	37.029	0.071042338	0.318323662
-0.25	9.386	0.042	9.344	46.373	0.080326671	0.398650333
0.00	10.345	0.205	10.140	56.513	0.087169568	0.485819901
0.25	13.370	0.558	12.812	69.325	0.110139695	0.595959596
0.50	13.410	1.167	12.243	81.568	0.105248227	0.701207823
0.75	13.736	2.099	11.637	93.205	0.100038685	0.801246508
1.00	12.869	2.599	10.270	103.475	0.088287127	0.889533634
1.25	8.902	1.670	7.232	110.707	0.062170643	0.951704277
1.50	4.402	0.941	3.461	114.168	0.029752848	0.981457124
1.75	2.084	0.986	1.098	115.266	0.009439072	0.990896196
2.00	0.949	0.510	0.439	115.705	0.003773909	0.994670105
2.25	0.618	0.332	0.286	115.991	0.002458629	0.997128734
2.50	0.407	0.210	0.197	116.188	0.001693531	0.998822265
2.75	0.167	0.105	0.062	116.250	0.000532989	0.999355255
3.00	0.065	0.059	0.006	116.256	0.000051580	0.999406834
3.25	0.013	0.006	0.007	116.263	0.000060176	0.999467011
3.50	0.034	0.027	0.007	116.270	0.000060176	0.999527187
3.75	0.021	0.008	0.013	116.283	0.000111756	0.999638943
4.00	0.018	0.006	0.012	116.295	0.000103159	0.999742102
PAN	0.061	0.031	0.030	116.325	0.000257898	1.0

TOTAL WT.

127.886

grams

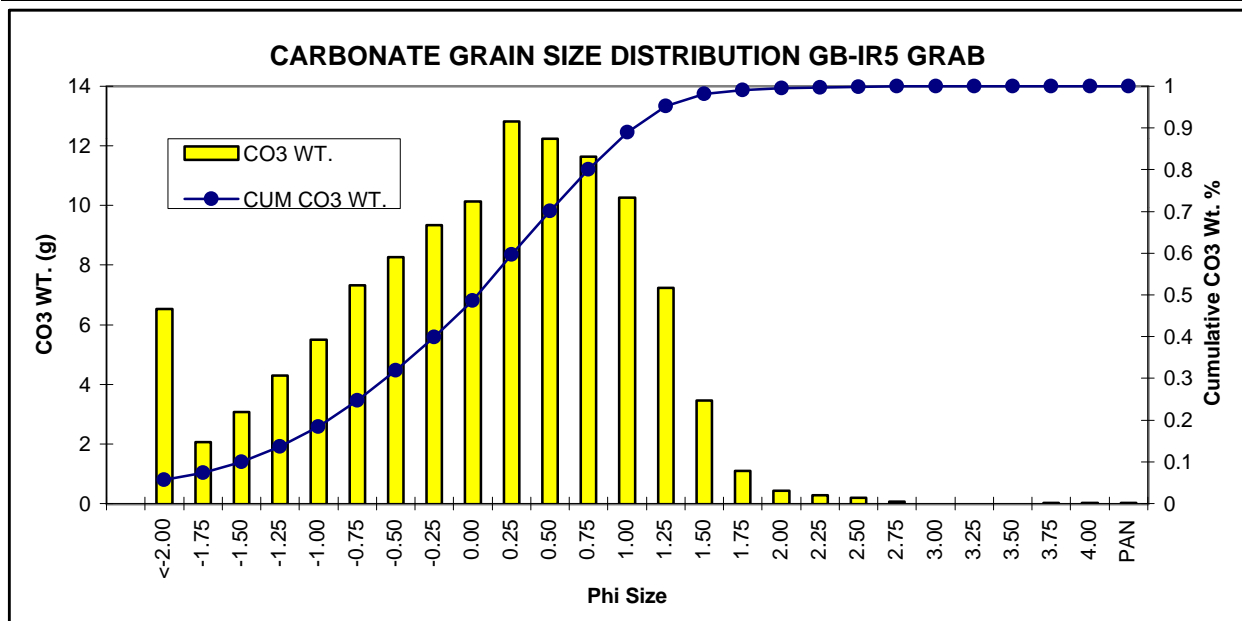
CO3 WT

116.325

grams

% CARBONATE

90.960



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-IR6 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	8.994	0.000	8.994	8.994	0.068212845	0.068212845
-1.75	2.172	0.000	2.172	11.166	0.016473015	0.084685860
-1.50	1.905	0.000	1.905	13.071	0.014448017	0.099133877
-1.25	3.509	0.000	3.509	16.580	0.026613172	0.125747050
-1.00	3.419	0.000	3.419	19.999	0.025930589	0.151677639
-0.75	3.627	0.000	3.627	23.626	0.027508115	0.179185754
-0.50	4.980	0.000	4.980	28.606	0.037769620	0.216955374
-0.25	5.892	0.000	5.892	34.498	0.044686467	0.261641841
0.00	6.899	0.008	6.891	41.389	0.052263144	0.313904984
0.25	10.792	0.033	10.759	52.148	0.081599066	0.395504050
0.50	12.602	0.130	12.472	64.620	0.094590905	0.490094955
0.75	16.235	0.589	15.646	80.266	0.118663350	0.608758305
1.00	23.164	2.773	20.391	100.657	0.154650669	0.763408974
1.25	27.083	5.887	21.196	121.853	0.160755999	0.924164973
1.50	15.725	7.058	8.667	130.520	0.065732791	0.989897764
1.75	12.871	12.675	0.196	130.716	0.001486515	0.991384279
2.00	9.694	9.457	0.237	130.953	0.001797470	0.993181749
2.25	5.580	5.385	0.195	131.148	0.001478931	0.994660680
2.50	1.958	1.778	0.180	131.328	0.001365167	0.996025847
2.75	0.558	0.427	0.131	131.459	0.000993538	0.997019385
3.00	0.454	0.228	0.226	131.685	0.001714043	0.998733428
3.25	0.182	0.124	0.058	131.743	0.000439887	0.999173316
3.50	0.112	0.083	0.029	131.772	0.000219944	0.999393259
3.75	0.109	0.062	0.047	131.819	0.000356460	0.999749719
4.00	0.033	0.019	0.014	131.833	0.000106180	0.999855899
PAN	0.050	0.031	0.019	131.852	0.000144101	1.0

**TOTAL WT.**

178.599

grams

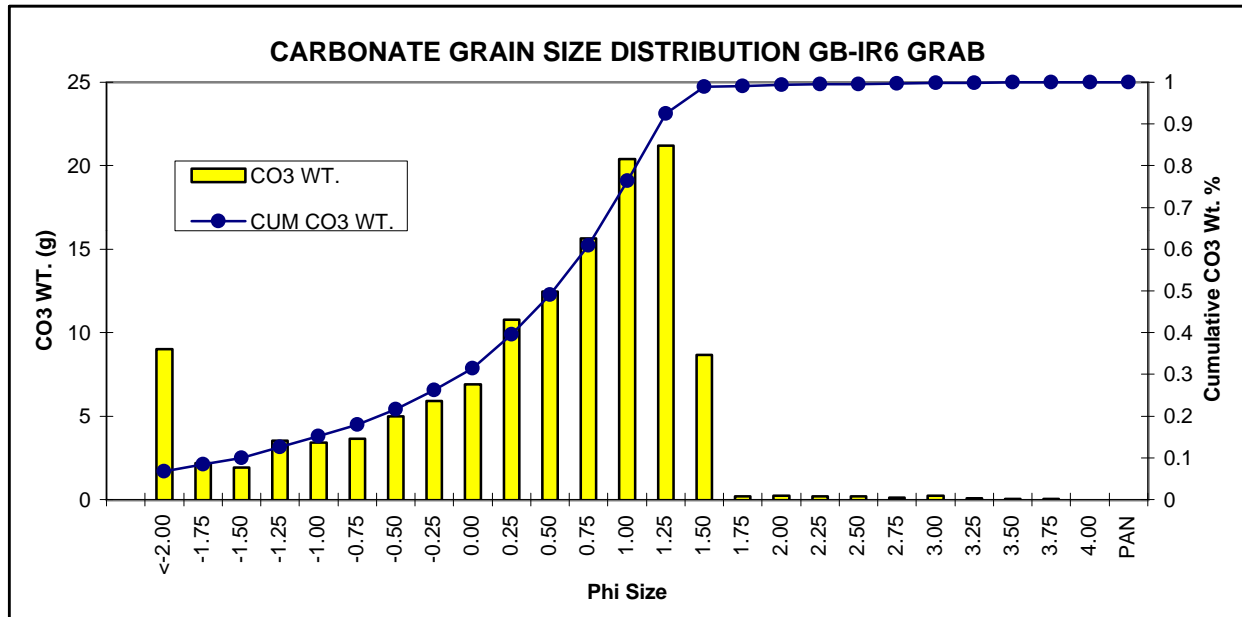
**CO3 WT**

131.852

grams

**% CARBONATE**

73.826



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-IR7 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	11.272	0.000	11.272	11.272	0.092920500	0.092920500
-1.75	4.192	0.000	4.192	15.464	0.034556666	0.127477166
-1.50	5.067	0.000	5.067	20.531	0.041769710	0.169246876
-1.25	6.102	0.000	6.102	26.633	0.050301711	0.219548587
-1.00	6.906	0.000	6.906	33.539	0.056929469	0.276478056
-0.75	6.615	0.000	6.615	40.154	0.054530616	0.331008672
-0.50	7.155	0.012	7.143	47.297	0.058883173	0.389891846
-0.25	7.605	0.049	7.556	54.853	0.062287730	0.452179576
0.00	7.493	0.150	7.343	62.196	0.060531869	0.512711445
0.25	9.293	0.364	8.929	71.125	0.073606028	0.586317473
0.50	8.986	0.481	8.505	79.630	0.070110792	0.656428265
0.75	9.705	0.718	8.987	88.617	0.074084149	0.730512415
1.00	11.559	1.890	9.669	98.286	0.079706202	0.810218617
1.25	13.819	5.021	8.798	107.084	0.072526132	0.882744749
1.50	10.725	4.467	6.258	113.342	0.051587694	0.934332443
1.75	8.193	3.486	4.707	118.049	0.038802058	0.973134501
2.00	3.000	1.183	1.817	119.866	0.014978402	0.988112903
2.25	1.331	0.543	0.788	120.654	0.006495862	0.994608764
2.50	0.629	0.239	0.390	121.044	0.003214957	0.997823721
2.75	0.230	0.096	0.134	121.178	0.001104626	0.998928348
3.00	0.102	0.090	0.012	121.190	0.000098922	0.999027269
3.25	0.024	0.018	0.006	121.196	0.000049461	0.999076730
3.50	0.057	0.042	0.015	121.211	0.000123652	0.999200382
3.75	0.037	0.015	0.022	121.233	0.000181357	0.999381739
4.00	0.035	0.012	0.023	121.256	0.000189600	0.999571339
PAN	0.096	0.044	0.052	121.308	0.000428661	1.0

TOTAL WT.

140.228

grams

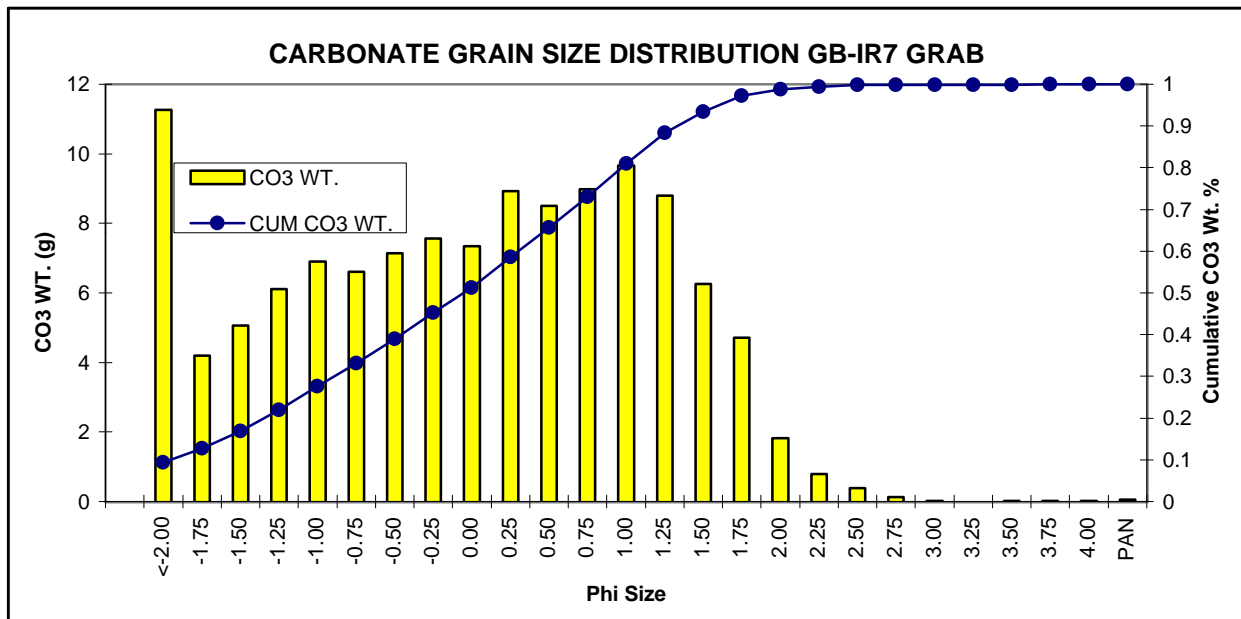
CO3 WT

121.308

grams

% CARBONATE

86.508



# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-IR8 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.585	0.000	0.585	0.585	0.004758457	0.004758457
-1.75	0.363	0.000	0.363	0.948	0.002952684	0.007711141
-1.50	0.217	0.000	0.217	1.165	0.001765103	0.009476244
-1.25	0.362	0.000	0.362	1.527	0.002944550	0.012420794
-1.00	0.496	0.000	0.496	2.023	0.004034521	0.016455315
-0.75	0.658	0.000	0.658	2.681	0.005352248	0.021807563
-0.50	0.879	0.000	0.879	3.560	0.007149887	0.028957450
-0.25	1.047	0.001	1.046	4.606	0.008508285	0.037465735
0.00	1.027	0.106	0.921	5.527	0.007491520	0.044957255
0.25	1.435	0.025	1.410	6.937	0.011469103	0.056426358
0.50	1.755	0.057	1.698	8.635	0.013811728	0.070238086
0.75	2.308	0.121	2.187	10.822	0.017789310	0.088027396
1.00	3.620	0.231	3.389	14.211	0.027566517	0.115593912
1.25	4.881	0.356	4.525	18.736	0.036806872	0.152400784
1.50	6.113	0.746	5.367	24.103	0.043655797	0.196056581
1.75	12.769	3.018	9.751	33.854	0.079315758	0.275372339
2.00	17.530	4.408	13.122	46.976	0.106735861	0.382108200
2.25	25.326	5.820	19.506	66.482	0.158664053	0.540772253
2.50	31.005	6.350	24.655	91.137	0.200546613	0.741318865
2.75	18.542	3.271	15.271	106.408	0.124216075	0.865534940
3.00	8.461	1.185	7.276	113.684	0.059183823	0.924718763
3.25	2.748	0.608	2.140	115.824	0.017407007	0.942125770
3.50	2.614	0.830	1.784	117.608	0.014511262	0.956637031
3.75	1.955	1.109	0.846	118.454	0.006881462	0.963518493
4.00	1.699	0.718	0.981	119.435	0.007979567	0.971498060
PAN	3.807	0.303	3.504	122.939	0.028501940	1.0

TOTAL WT.

152.202

grams

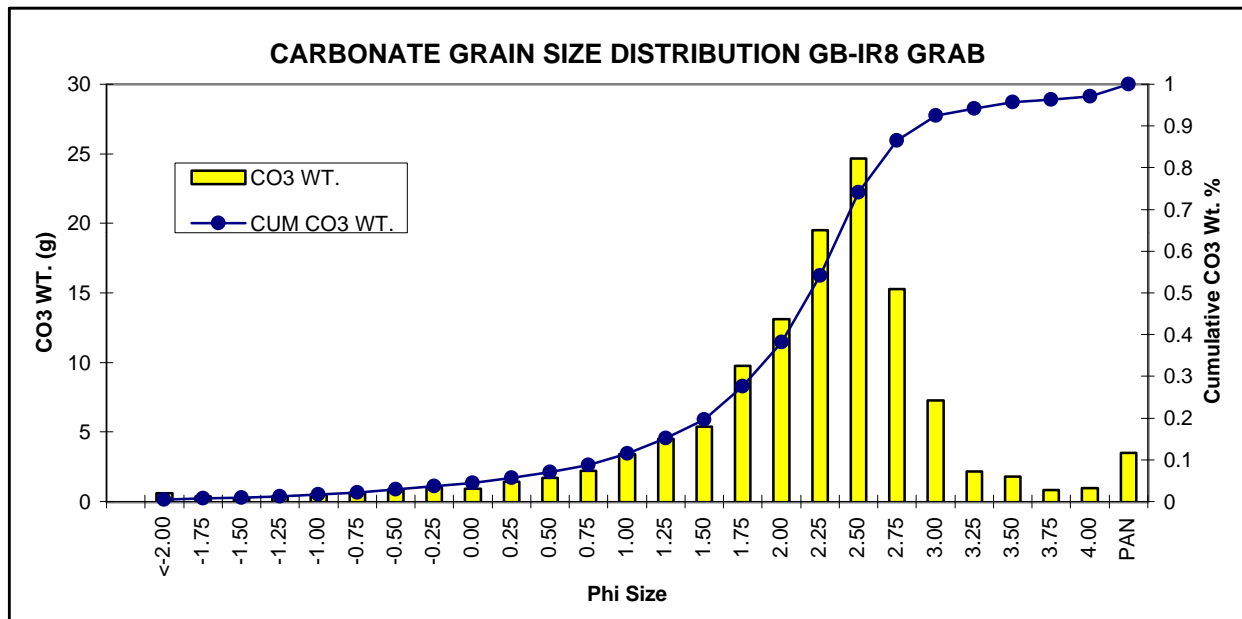
CO3 WT

122.939

grams

% CARBONATE

80.774

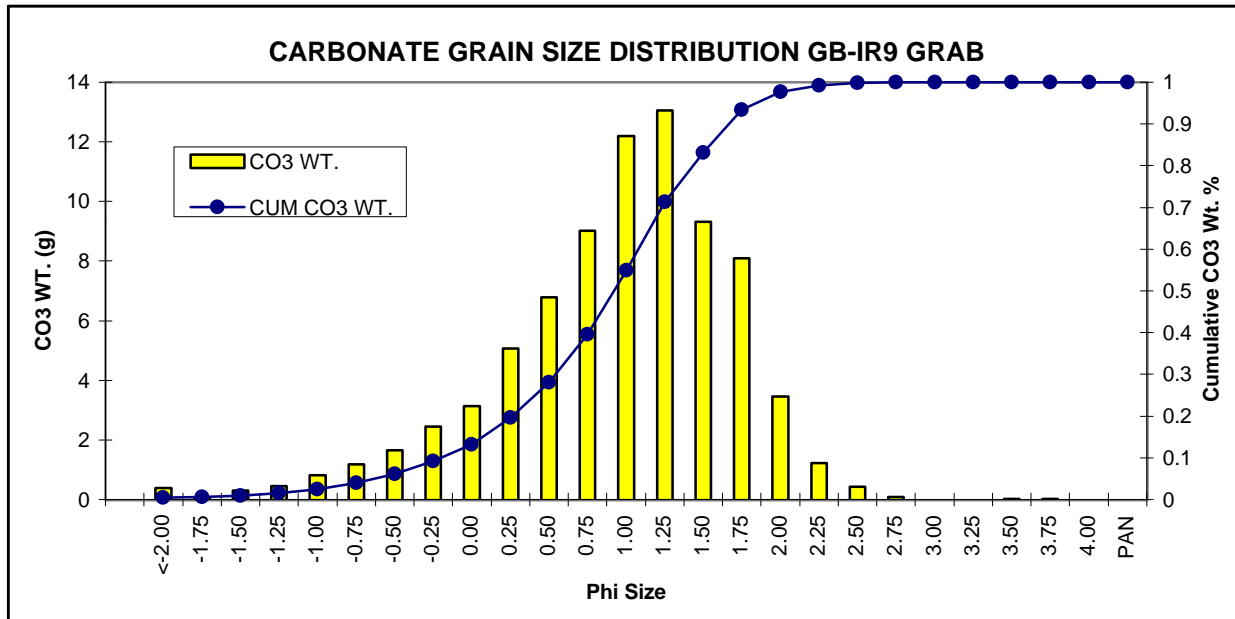


# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-IR9 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.384	0.000	0.384	0.384	0.004849281	0.004849281
-1.75	0.046	0.000	0.046	0.430	0.000580903	0.005430184
-1.50	0.301	0.000	0.301	0.731	0.003801129	0.009231313
-1.25	0.452	0.000	0.452	1.183	0.005708008	0.014939321
-1.00	0.810	0.000	0.810	1.993	0.010228952	0.025168273
-0.75	1.172	0.000	1.172	3.165	0.014800409	0.039968682
-0.50	1.657	0.000	1.657	4.822	0.020925152	0.060893834
-0.25	2.447	0.000	2.447	7.269	0.030901537	0.091795370
0.00	3.178	0.035	3.143	10.412	0.039690858	0.131486229
0.25	5.202	0.124	5.078	15.490	0.064126687	0.195612916
0.50	7.071	0.291	6.780	22.270	0.085620114	0.281233031
0.75	9.847	0.835	9.012	31.282	0.113806559	0.395039590
1.00	14.981	2.794	12.187	43.469	0.153901524	0.548941114
1.25	19.321	6.267	13.054	56.523	0.164850291	0.713791405
1.50	14.711	5.395	9.316	65.839	0.117645573	0.831436978
1.75	12.805	4.712	8.093	73.932	0.102201119	0.933638097
2.00	5.146	1.690	3.456	77.388	0.043643527	0.977281625
2.25	1.845	0.613	1.232	78.620	0.015558109	0.992839734
2.50	0.623	0.197	0.426	79.046	0.005379671	0.998219405
2.75	0.162	0.068	0.094	79.140	0.001187064	0.999406468
3.00	0.061	0.057	0.004	79.144	0.000050513	0.999456982
3.25	0.009	0.006	0.003	79.147	0.000037885	0.999494867
3.50	0.034	0.022	0.012	79.159	0.000151540	0.999646407
3.75	0.017	0.005	0.012	79.171	0.000151540	0.999797947
4.00	0.013	0.006	0.007	79.178	0.000088398	0.999886345
PAN	0.035	0.026	0.009	79.187	0.000113655	1.0

**TOTAL WT.** 102.330 grams  
**CO3 WT** 79.187 grams  
**% CARBONATE** 77.384





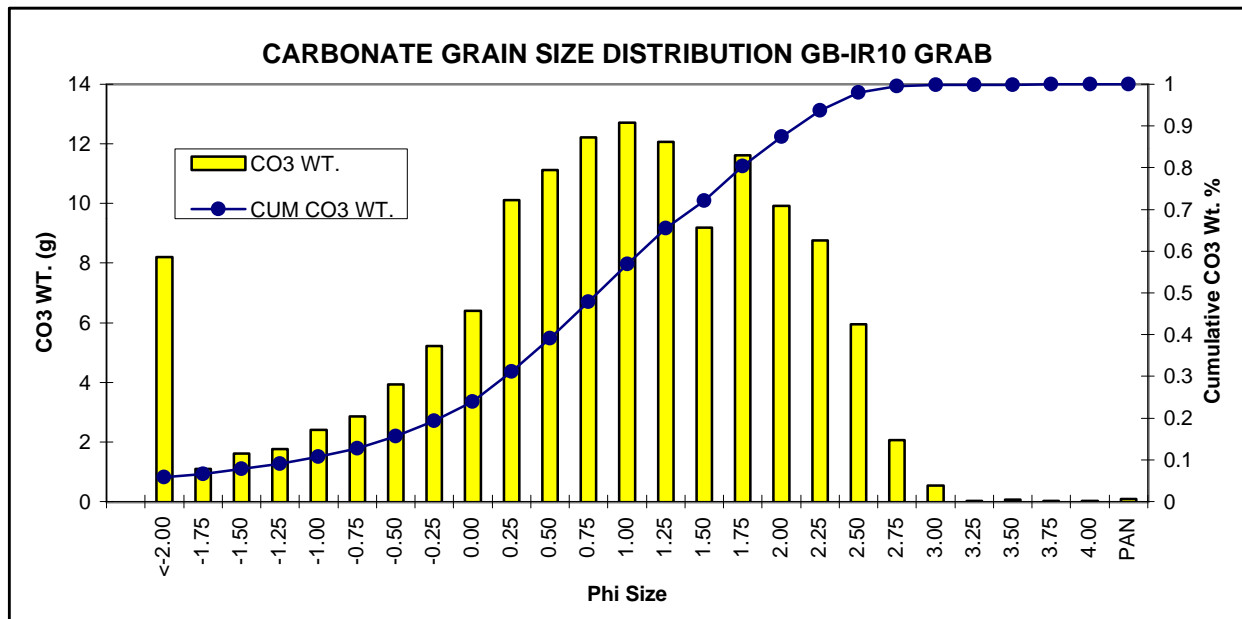
# CARBONATE GRAIN SIZE DISTRIBUTION

## GB-IR10 GRAB

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	8.192	0.000	8.192	8.192	0.058543557	0.058543557
-1.75	1.104	0.000	1.104	9.296	0.007889659	0.066433217
-1.50	1.601	0.000	1.601	10.897	0.011441435	0.077874652
-1.25	1.753	0.000	1.753	12.650	0.012527692	0.090402344
-1.00	2.406	0.000	2.406	15.056	0.017194311	0.107596655
-0.75	2.856	0.000	2.856	17.912	0.020410205	0.128006861
-0.50	3.923	0.000	3.923	21.835	0.028035446	0.156042307
-0.25	5.309	0.094	5.215	27.050	0.037268634	0.193310941
0.00	6.727	0.322	6.405	33.455	0.045772886	0.239083828
0.25	11.074	0.962	10.112	43.567	0.072264704	0.311348531
0.50	12.633	1.504	11.129	54.696	0.079532623	0.390881155
0.75	14.066	1.844	12.222	66.918	0.087343672	0.478224827
1.00	15.128	2.411	12.717	79.635	0.090881155	0.569105982
1.25	14.278	2.201	12.077	91.712	0.086307439	0.655413421
1.50	10.559	1.379	9.180	100.892	0.065604231	0.721017652
1.75	14.572	2.953	11.619	112.511	0.083034374	0.804052026
2.00	14.176	4.266	9.910	122.421	0.070821125	0.874873151
2.25	13.218	4.457	8.761	131.182	0.062609876	0.937483027
2.50	8.346	2.408	5.938	137.120	0.042435503	0.979918531
2.75	2.541	0.480	2.061	139.181	0.014728793	0.994647324
3.00	0.733	0.193	0.540	139.721	0.003859072	0.998506396
3.25	0.131	0.115	0.016	139.737	0.000114343	0.998620739
3.50	0.189	0.118	0.071	139.808	0.000507397	0.999128135
3.75	0.080	0.060	0.020	139.828	0.000142929	0.999271064
4.00	0.062	0.051	0.011	139.839	0.000078611	0.999349675
PAN	0.136	0.045	0.091	139.930	0.000650325	1.0

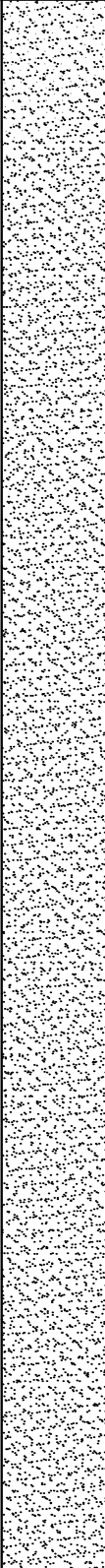
TOTAL WT.  
CO3 WT  
% CARBONATE

165.793 grams  
139.930 grams  
84.400



## **APPENDIX C**

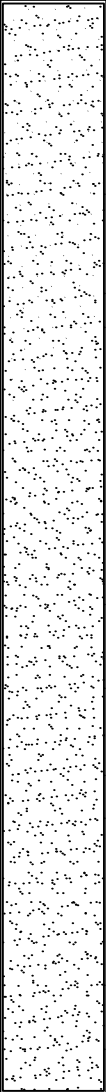
PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VM-1A
INSTALLATION DATE:		DRILLING METHOD: 3.5 " VIBRACORE
CORE DIAMETER: 3.5 "	TOTAL DEPTH: 19.5 FT.	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
0-2	COARSE TO MEDIUM GRAINED CARBONATE SAND YELLOWISH GRAY TO OLIVE GRAY PREDOMINANTLY SHELL DEBRIS SUB-ROUNDED, MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: QUARTZ SAND 20%, LIMESTONE 15% FOSSILS: BRYOZOA, MOLLUSKS, BENTHIC FORAMINIFERA 0.47% FINES
2-6	FINE TO VERY COARSE SAND MODERATE GRAY TO YELLOWISH GRAY SUB-ANGULAR TO SUB-ROUNDED LOW SPHERICITY		ACCESSORY MINERALS: 45 % SHELL, <2% LIMESTONE FOSSILS: BRYOZOA, MOLLUSKS, ECHINOID, OSTRACODS, BENTHIC FORAMINIFERA 0.37% FINES	
4-6			2.13% FINES	
6-10	MEDIUM TO COARSE GRAINED CARBONATE SAND MODERATE GRAY TO YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS AND PELLETS SUB- ROUNDED TO ROUNDED, MEDIUM SPHERICITY		ACCESSORY MINERALS: 35 % QUARTZ SAND, 30% SHELL FOSSILS: BRYOZOA, MOLLUSKS, BARNACLES, OOLITES, BENTHIC FORAMINIFERA 4.67% FINES	
8-10			7.84% FINES	
10-12	MEDIUM TO GRAVEL SIZED PELLETOIDAL SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS, PELLETS AND OOLITES SUB-ANGULAR TO ROUNDED, LOW TO MEDIUM SPHERICITY		ACCESSORY MINERALS: 10 % QUARTZ SAND, 15% SHELL FOSSILS: BENTHIC FORAMINIFERA, OOLITES, MOLLUSKS 8.03% FINES	
12-14	FINE TO COARSE GRAINED CARBONATE SAND YELLOWISH GRAY PREDOMINANTLY OOLITES, PELLETS, AND SHELL DEBRIS SUB-ANGULAR TO ROUNDED, MEDIUM SPHERICITY		ACCESSORY MINERALS: 5 % QUARTZ SAND FOSSILS: OOLITES, ECHINOID, CRUSTACEA, MOLLUSKS 1.88% FINES	
14-16	MEDIUM TO COARSE GRAINED PELLETOIDAL SAND YELLOWISH GRAY PREDOMINANTLY PELLETS, OOLITES AND SMALL AMOUNT OF SHELL DEBRIS SUB-ROUNDED TO WELL-ROUNDED, MEDIUM SPHERICITY		ACCESSORY MINERALS: <3 % QUARTZ SAND, 5% SHELL FOSSILS: OOLITES, MOLLUSKS, BENTHIC FORAMINIFERA 1.86% FINES	
16-18	MEDIUM TO COARSE GRAINED PELLETOIDAL SAND YELLOWISH GRAY PREDOMINANTLY PELLETS, OOLITES AND SHELL DEBRIS SUB-ANGULAR TO ROUNDED, MEDIUM SHPERICITY		ACCESSORY MINERALS: <5 % QUARTZ SAND, 25% SHELL FOSSILS: BENTHIC FORAMINIFERA, OOLITES, MOLLUSKS 4.37% FINES	
18-19.5	MEDIUM TO COARSE GRAINED PELLETOIDAL SAND VERY LIGHT ORANGE PREDOMINANTLY OOLITES, PELLETS AND SHELL DEBRIS ANGULAR TO WELL-ROUNDED, LOW TO HIGH SPHERICITY		ACCESSORY MINERALS: <5 % QUARTZ SAND, 15% SHELL FOSSILS: BENTHIC FORAMINIFERA, OOLITES, MOLLUSKS 3.99% FINES	

FINEVM1A

CORE: VM1A  
 DATE ANALYZED: 12/8/99  
 ANALYZED BY: Adel A. Dabous  
 TOTAL DEPTH: 19.5 ft.


SAMPLE INTERVAL (ft)	SAMPLE WT. (g)	SAMPLE WT. POST WET SIEVE (g)	FINES WT. POST ANALYSIS (g)	TOTAL FINES WT. (g)	% FINES
0-2	58.153	57.914	0.032	0.271	0.466
2-4	45.466	45.325	0.027	0.168	0.370
4-6	49.902	48.887	0.049	1.064	2.132
6-8	81.842	78.195	0.174	3.821	4.669
8-10	90.525	84.149	0.717	7.093	7.835
10-12	55.123	50.945	0.247	4.425	8.028
12-14	58.134	57.106	0.068	1.096	1.885
14-16	64.43	63.298	0.066	1.198	1.859
16-18	51.773	49.645	0.134	2.262	4.369
18-19.5	58.807	56.691	0.233	2.349	3.994

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VM-2	
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE	
CORE DIAMETER: 3.5"	TOTAL DEPTH: 13.8 FT.	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER	
DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. USCS SYMBOL CLASS	COMMENTS
0-2	MEDIUM TO COARSE GRAINED CARBONATE SAND MODERATE GRAY TO YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS SUB-ROUNDED, LOW SPHERICITY		SW ACCESSORY MINERALS: 35 % QUARTZ SAND, <1% HEAVY MINERALS FOSSILS: MOLLUSKS, BARNACLES, BRYOZOA, CRUSTACEA, BENTHIC FORAMINIFERA 0.50% FINES
2-13.8	FINE TO COARSE GRAINED SAND MODERATE GRAY TO YELLOWISH GRAY SUB-ANGULAR LOW SPHERICITY		ACCESSORY MINERALS: 45 % SHELL, <3% CALCARENITE, <1% HEAVY MINERALS FOSSILS: BARNACLES, BRYOZOA, MOLLUSKS, CRUSTACEA, OSTRACOD, ECHINOID, BENTHIC FORAMINIFERA 0.55% FINES
(4-6)			1.14% FINES
(6-8)			1.11% FINES
(8-10)			1.75% FINES
(10-12)			1.54% FINES
(10-13.8)		1.59% FINES	

FINEVM2

**CORE:** VM2  
**DATE ANALYZED:** 12/9/99  
**ANALYZED BY:** Adel A. Dabous  
**TOTAL DEPTH:** 13.8 ft.

<b>SAMPLE INTERVAL</b> (ft)	<b>SAMPLE WT.</b> (g)	<b>SAMPLE WT. POST WET SIEVE</b> (g)	<b>FINES WT. POST ANALYSIS</b> (g)	<b>TOTAL FINES WT.</b> (g)	<b>% FINES</b>
0-2	50.265	50.053	0.037	0.249	0.495
2-4	57.944	57.667	0.040	0.317	0.547
4-6	50.44	49.917	0.052	0.575	1.140
6-8	52.726	52.186	0.045	0.585	1.110
8-10	47.962	47.180	0.059	0.841	1.753
10-12	74.256	73.197	0.083	1.142	1.538
10-13.8	62.839	61.927	0.087	0.999	1.590

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VM-3	
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE	
CORE DIAMETER: 3.5"	TOTAL DEPTH: 8.0 FT.	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER	
DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL CLASS	USCS COMMENTS
0-2	VERY FINE TO COARSE SAND LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY		SW ACCESSORY MINERALS: 35 % SHELL, 15% CALCARENITE, <1 % HEAVY MINERALS FOSSILS: BARNACLES, MOLLUSKS, ECHINOID, SPICULES, BENTHIC FORAMINIFERA, BRYOZOA, OSTRACODS 6.89% FINES
2-6	VERY FINE TO COARSE SAND LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY		ACCESSORY MINERALS: 20 % SHELL, 10% CALCARENITE, <1 % HEAVY MINERALS FOSSILS: SPICULES, MOLLUSKS, ECHINOID, BRYOZOA, BENTHIC FORAMINIFERA 12.48% FINES
4-6			14.01% FINES
6-8	FINE TO COARSE GRAINED CARBONATE SAND LIGHT OLIVE GRAY TO YELLOWISH GRAY PREDOMINANTLY PELLETS, OOLITES, AND SHELL DEBRIS UNCONSOLIDATED		ACCESSORY MINERALS: 20 % SHELL, 35% QUARTZ SAND FOSSILS: MOLLUSKS, ECHINOID, BENTHIC FORAMINIFERA 14.97% FINES
8			
10			
12			
14			
16			
18			

FINEVM3

**CORE:** VM3  
**DATE ANALYZED:** 2/1/00  
**ANALYZED BY:** Adel A. Dabous  
**TOTAL DEPTH:** 8 ft.

SAMPLE INTERVAL (ft)	SAMPLE WT. (g)	SAMPLE WT. POST WET SIEVE (g)	FINES WT. POST ANALYSIS (g)	TOTAL FINES WT. (g)	% FINES
0-2	68.995	64.805	0.562	4.752	6.887
2-4	73.365	65.255	1.047	9.157	12.481
4-6	82.724	72.097	0.964	11.591	14.012
6-8	79.705	68.372	0.601	11.934	14.973



PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VM-4
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE
CORE DIAMETER: 3.5"	TOTAL DEPTH: 19.3 FT.	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
0-4	FINE TO MEDIUM GRAINED SAND MODERATE LIGHT GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY		SW	ACCESSORY MINERALS: <1 % HEAVY MINERALS, 25% SHELL, 30-35 % CALCARENITE FOSSILS: MOLLUSKS, BRYOZOA, BARNACLES, OOLITES, BENTHIC FORAMINIFERA, CRUSTACEA, ECHINOIDS, OSTRACODS 0.92% FINES 1.33% FINES
2-4				
4-10	FINE TO COARSE SAND MODERATE LIGHT GRAY TO MODERATE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 20 % CALCARENITE, 20% SHELL, <1 % HEAVY MINERALS FOSSILS: MOLLUSKS, OSTRACODS, OOLITES, BARNACLES, BENTHIC FORAMINIFERA, BRYOZOA, ECHINOIDS 1.84% FINES 1.26% FINES
6-8				
8-10				2.37% FINES
10-16	VERY FINE TO COARSE SAND LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 30 % SHELL, <1% HEAVY MINERALS FOSSILS: MOLLUSKS, ECHINOID, OSTRACODS, BENTHIC FORAMINIFERA, BARNACLES, CRUSTACEA, BRYOZOA, SPICULES 3.68% FINES
12-14				12.75% FINES
14-16				5.35% FINES
16-18	VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 15 % SHELL, FOSSILS: MOLLUSKS, BARNACLES, ECHINOID, BENTHIC FORAMINIFERA 16.75% FINES
18-19.3	MEDIUM TO COARSE GRAINED PELLETOIDAL SAND YELLOWISH GRAY PREDOMINANTLY PELLETS, OOLITES AND VERY SMALL AMOUNT OF SHELL DEBRIS SUB-ANGULAR TO WELL-ROUNDED, MEDIUM TO HIGH SPHERICITY			ACCESSORY MINERALS: 8 % CALCILUTITE, <5% QUARTZ SAND FOSSILS: OOLITES, MOLLUSKS, BENTHIC FORAMINIFERA 8.68% FINES

FINEVM4

CORE: VM4  
 DATE ANALYZED: 2/10/00  
 ANALYZED BY: Adel A. Dabous  
 TOTAL DEPTH: 19.3 ft.

SAMPLE INTERVAL (ft)	SAMPLE WT. (g)	SAMPLE WT. POST WET SIEVE (g)	FINES WT. POST ANALYSIS (g)	TOTAL FINES WT. (g)	% FINES
0-2	62.862	62.435	0.152	0.579	0.921
2-4	66.773	66.012	0.125	0.886	1.327
4-6	80.861	79.615	0.244	1.490	1.843
6-8	59.29	58.741	0.196	0.745	1.257
8-10	56.81	55.764	0.300	1.346	2.369
10-12	63.427	61.386	0.296	2.337	3.685
12-14	65.815	59.684	2.263	8.394	12.754
14-16	59.048	56.023	0.135	3.160	5.352
16-18	52.851	46.249	2.249	8.851	16.747
18-19.3	68.614	62.749	0.091	5.956	8.680

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VSL-1	
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE	
CORE DIAMETER: 3.5"	TOTAL DEPTH: 19.7 FT.	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER	
DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL CLASS	USCS COMMENTS
0-2	(0-6) FINE TO GRAVEL SIZED CARBONATE SAND MODERATE GRAY TO YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ROUNDED, LOW SPHERICITY SLIGHT INCREASE IN QUARTZ SAND WITH DEPTH		SW ACCESSORY MINERALS: 30 % QUARTZ SAND FOSSILS: MOLLUSKS, BRYOZOA, BARNACLES, BENTHIC FORAMINIFERA 0.60% FINES 1.82% FINES
2-4	(2-4)		1.52% FINES
4-6	(4-6)		ACCESSORY MINERALS: 30 % SHELL, 15-20% CALCARENITE FOSSILS: MOLLUSKS, BRYOZOA, BARNACLES, SPICULES, BENTHIC FORAMINIFERA, MILIOLIDS, OOLITES, PELLETS 5.73% FINES
6-8	(6-8) VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY SUB-ANGULAR TO ANGULAR LOW SPHERICITY		ACCESSORY MINERALS: 25 % SHELL, 5-10% CALCARENITE FOSSILS: MOLLUSKS, BARNACLES, MILIOLIDS, SPICULES, OSTRACODS, ECHINOIDS, BENTHIC FORAMINIFERA 11.26% FINES
8-10	(8-14) VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY SUB-ANGULAR TO ANGULAR LOW SPHERICITY		12.98% FINES
10-12	(10-12)		14.34% FINES
12-14	(12-14)		ACCESSORY MINERALS: 15 % SHELL, 3% HEAVY MINERALS, < 5 % CALCARENITE FOSSILS: SPICULES, MILIOLIDS, MOLLUSKS, BENTHIC FORAMINIFERA 16.62% FINES
14-16	(14-19.7) VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY SUB-ANGULAR TO ANGULAR LOW SPHERICITY		6.78% FINES
16-18	(16-18)		15.42% FINES
18-19.7	(18-19.7)		

FINESL1


CORE: VSL1  
 DATE ANALYZE: 1/25/00  
 ANALYZED BY: Adel A. Dabous  
 TOTAL DEPTH: 18.7 ft.

SAMPLE INTERVAL (ft)	SAMPLE WT. (g)	SAMPLE WT. POST WET SIEVE (g)	FINES WT. POST ANALYSIS (g)	TOTAL FINES WT. (g)	% FINES
0-2	74.062	73.676	0.061	0.447	0.604
2-4	78.946	77.715	0.210	1.441	1.825
4-6	90.086	88.903	0.183	1.366	1.516
6-8	92.343	88.823	1.771	5.291	5.730
8-10	92.822	85.101	2.730	10.451	11.259
10-12	82.375	74.232	2.549	10.692	12.980
12-14	93.994	83.565	3.051	13.480	14.341
14-16	76.459	67.473	3.725	12.711	16.625
16-18	94.233	90.974	3.133	6.392	6.783
18-19.7	120.789	109.812	7.654	18.631	15.424

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST	BORING ID: VSL-2
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INSTALLATION DATE:	DRILLING METHOD: VIBRACORE
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CORE DIAMETER: 3.5"	TOTAL DEPTH: 18.7FT.	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER
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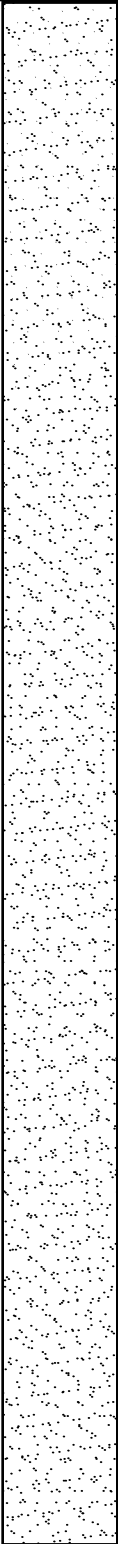
DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
2	(0-4) MEDIUM TO GRAVEL SIZED CARBONATE SAND MODERATE DARK GRAY TO YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS AND PELLETS. ANGULAR TO ROUNDED, MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 20 % QUARTZ SAND, 20% CALCARENITE FOSSILS: MOLLUSKS, BARNACLES, ECHINOID, GASTROPODS, OOLITES, PELLETS 1.26% FINES
4	(2-4)		1.34% FINES	
5	(4-6) VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY SUB-ANGULAR TO ANGULAR LOW SPHERICITY		ACCESSORY MINERALS: 35 % SHELL, 10-15 % CALCARENITE, <1 % HEAVY MINERALS, FOSSILS: MOLLUSKS, BARNACLES, MILIOLIDS, SPICULES, BENTHIC FORAMINIFERA, OOLITES, PELLETS 3.46% FINES	
10	(6-14) VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY SUB-ANGULAR TO ANGULAR LOW SPHERICITY		ACCESSORY MINERALS: 30 % SHELL, <1% HEAVY MINERALS, <5 % CALCARENITE FOSSILS: MOLLUSKS, BARNACLES, SPICULES, MILIOLIDS, ECHINOIDS, BENTHIC FORAMINIFERA, GASTROPODS 8.19% FINES	
12	(8-10)		8.75 % FINES	
14	(10-12)		10.10% FINES	
16	(12-14)		11.68% FINES	
18	(14-16) VERY FINE TO COARSE GRAINED SAND LIGHT OLIVE GRAY SUB-ANGULAR LOW SPHERICITY		ACCESSORY MINERALS: 30 % SHELL, <1% HEAVY MINERALS, <5 % CALCARENITE FOSSILS: MOLLUSKS, BARNACLES, SPICULES, BENTHIC FORAMINIFERA 6.71% FINES	
18	(16-18.7) VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY SUB-ANGULAR LOW SPHERICITY		ACCESSORY MINERALS: 25 % SHELL, <1% HEAVY MINERALS, <5 % CALCARENITE FOSSILS: MOLLUSKS, BARNACLES, SPICULES, MILIOLIDS, BENTHIC FORAMINIFERA, GASTROPODS 13.48 % FINES	

FINESL2

**CORE:** VSL2  
**DATE ANALYZED:** 1/27/00  
**ANALYZED BY:** Adel A. Dabous  
**TOTAL DEPTH:** 18.7 ft.

<b>SAMPLE INTERVAL</b> (ft)	<b>SAMPLE WT.</b> (g)	<b>SAMPLE WT. POST WET SIEVE</b> (g)	<b>FINES WT. POST ANALYSIS</b> (g)	<b>TOTAL FINES WT.</b> (g)	<b>% FINES</b>
0-2	91.235	90.150	0.067	1.152	1.263
2-4	66.296	65.449	0.040	0.887	1.338
4-6	82.082	80.431	1.185	2.836	3.455
6-8	89.647	84.197	1.893	7.343	8.191
8-10	95.407	89.061	2.006	8.352	8.754
10-12	81.585	75.663	2.321	8.243	10.104
12-14	109.181	99.743	3.314	12.752	11.680
14-16	86.308	81.784	1.268	5.792	6.711
16-18.7	74.59	67.251	2.718	10.057	13.483

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VSL-3
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE
CORE DIAMETER: 3.5"	TOTAL DEPTH: 18 FT.	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
0-2	MEDIUM TO GRAVEL SIZED CARBONATE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ROUNDED, LOW SPHERICITY		SW	ACCESSORY MINERALS: 25 % QUARTZ SAND FOSSILS: MOLLUSKS, BRYOZOA, BARNACLES, GASTROPODS 1.48% FINES
2-4	VERY FINE TO COARSE GRAINED SAND LIGHT OLIVE GRAY SUB-ANGULAR LOW SPHERICITY		ACCESSORY MINERALS: 45 % SHELL FOSSILS: MOLLUSKS, BARNACLES, SPICULES, BENTHIC FORAMINIFERA, ECHINOID, GASTROPODS, MILIOLIDS, OSTRACODS 3.77% FINES	
4-6	MEDIUM TO GRAVEL SIZED CARBONATE SAND MODERATE GRAY PREDOMINANTLY SHELL DEBRIS, AND PELOIDS ANGULAR TO ROUNDED, LOW SPHERICITY		ACCESSORY MINERAL: 18 % QUARTZ SAND FOSSILS: MOLLUSKS, BRYOZOA, BARNACLES, ECHINOID, BENTHIC FORAMINIFERA 1.96% FINES	
6-10	VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY		ACCESSORY MINERALS: 35 % SHELL FOSSILS: MOLLUSKS, MILIOLIDS, BARNACLES, SPICULES, BENTHIC FORAMINIFERA 9.85% FINES	
8-10			11.47% FINES	
10-12	FINE TO GRAVEL SIZED CARBONATE SAND LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 20 % QUARTZ SAND FOSSILS: MOLLUSKS, ECHINOID, BARNACLES, BRYOZOA, GASTROPODS 5.37% FINES	
12-18	FINE TO GRAVEL SIZED CARBONATE SAND MODERATE GRAY POOR INDURATION, PREDOMINANTLY SHELL DEBRIS ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 30 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, ECHINOID, MILIOLIDS, BENTHIC FORAMINIFERA, GASTROPODS 7.03% FINES	
14-16			11.95% FINES	
16-18			9.15% FINES	

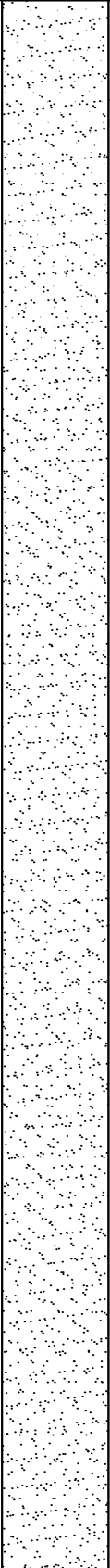
FINESL3

CORE: VSL3  
 DATE ANALYZED: 1/27/00  
 ANALYZED BY: Adel A. Dabous  
 TOTAL DEPTH: 18.0 ft.

SAMPLE INTERVAL (ft)	SAMPLE WT. (g)	SAMPLE WT. POST WET SIEVE (g)	FINES WT. POST ANALYSIS (g)	TOTAL FINES WT. (g)	% FINES
0-2	59.001	58.185	0.054	0.870	1.475
2-4	74.611	72.626	0.827	2.812	3.769
4-6	93.967	92.397	0.269	1.839	1.957
6-8	79.014	72.620	1.389	7.783	9.850
8-10	74.7	68.055	1.926	8.571	11.474
10-12	96.505	92.027	0.700	5.178	5.366
12-14	122.55	114.713	0.783	8.620	7.034
14-16	109.601	97.900	1.397	13.098	11.951
16-18.7	112.183	102.641	0.722	10.264	9.149



PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VSL-4
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE
CORE DIAMETER: 3.5"	TOTAL DEPTH: 20.2 FT.	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER

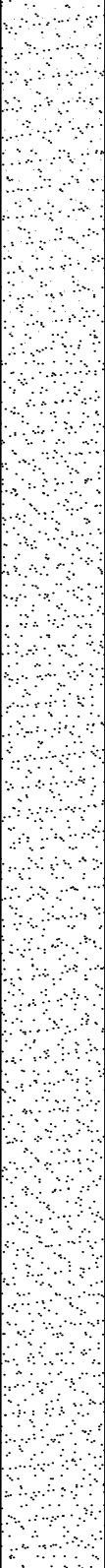
DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
0-12	MEDIUM TO GRAVEL SIZED CARBONATE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ANGULAR, LOW SPHERICITY		SW	ACCESSORY MINERALS: 35 % QUARTZ SAND FOSSILS: MOLLUSKS, BRYOZOA, BARNACLES, ECHINOID, BENTHIC FORAMINIFERA, GASTROPODS, MILIOLIDS 1.24% FINES
2-4				2.29% FINES
4-6				1.49% FINES
6-8				1.20% FINES
8-10				1.07% FINES
10-12				0.31% FINES
12-18	MEDIUM TO GRAVEL SIZED CARBONATE SAND MODERATE GRAY TO WHITE PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ANGULAR, LOW SPHERICITY			ACCESSORY MINERALS: 20 % QUARTZ SAND FOSSILS: MOLLUSKS, BRYOZOA, BARNACLES, ECHINOID, SPICULES 1.32% FINES
14-16				2.52% FINES
16-18				3.08% FINES
18-20.2	VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 35 % SHELL, <1% HEAVY MINERALS FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS, BRYOZOA, SPICULES 9.93% FINES

FINESL4

CORE: VSL4  
DATE ANALYZED: 2/3/00  
ANALYZED BY: Adel A. Dabous  
TOTAL DEPTH: 20 ft.

SAMPLE INTERVAL (ft)	SAMPLE WT. (g)	SAMPLE WT. POST WET SIEVE (g)	FINES WT. POST ANALYSIS (g)	TOTAL FINES WT. (g)	% FINES
0-2	110.66	109.386	0.102	1.376	1.243
2-4	92.762	90.962	0.328	2.128	2.294
4-6	108.403	106.936	0.145	1.612	1.487
6-8	110.291	109.028	0.057	1.320	1.197
8-10	97.357	96.401	0.083	1.039	1.067
10-12	109.727	109.469	0.080	0.338	0.308
12-14	64.333	63.662	0.177	0.848	1.318
14-16	99.203	97.412	0.709	2.500	2.520
16-18	94.746	92.372	0.539	2.913	3.075
18-20	124.934	115.517	2.990	12.407	9.931

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VSL-5
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE
CORE DIAMETER: 3.5"	TOTAL DEPTH: 19.7FT	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
0-2	MEDIUM TO GRAVEL SIZED CARBONATE SAND YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS, PELOIDS ANGULAR TO ROUNDED, MEDIUM SPHERICITY		SW	ACCESSORY MINERALS: 25 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, BRYOZOA, BENTHIC FORAMINIFERA, MILIOLIDS 0.16% FINES
2-4	MEDIUM TO GRAVEL SIZED CARBONATE SAND YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUR-ROUNDED, LOW SPHERICITY			ACCESSORY MINERALS: 15 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, BRYOZOA, ECHINOID, BENTHIC FORAMINIFERA, GASTROPODS, MILIOLIDS 0.26% FINES
4-10	FINE TO GRAVEL SIZED CARBONATE SAND LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ROUNDED, LOW SPHERICITY			ACCESSORY MINERALS: 25 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, SPICULES, BENTHIC FORAMINIFERA, CRUSTACEA, MILIOLIDS, GASTROPODS, BRYOZOA, ECHINOIDS 1.39% FINES
6-8				1.26% FINES
8-10				1.48% FINES
10-12	VERY FINE TO COARSE GRAINED SAND LIGHT OLIVE GRAY SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 45 % SHELL FOSSILS: MOLLUSKS, BARNACLES, SPICULES, BENTHIC FORAMINIFERA 10.00% FINES
12-16	FINE TO GRAVEL SIZED CARBONATE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR, LOW SPHERICITY			ACCESSORY MINERALS: 10 % QUARTZ SAND FOSSILS: BARNACLES, BRYOZOA, ECHINOID, GASTROPODS, MOLLUSKS 1.06% FINES
14-16				1.82% FINES
16-19.7	FINE TO GRAVEL SIZED CARBONATE SAND BECOMING FINER GRAINED AND MORE ROUNDED WITH DEPTH MODERATE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ANGULAR, LOW SPHERICITY			ACCESSORY MINERALS: 10 % QUARTZ SAND FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS, BARNACLES, BRYOZOA, ECHINOID, GASTROPODS, OSTRACODS, MILIOLIDS 4.06% FINES
18-19.7				3.24% FINES

FINESL5

CORE: VSL5  
 DATE ANALYZED: 2/3/00  
 ANALYZED BY: Adel A. Dabous  
 TOTAL DEPTH: 19.7 ft.

SAMPLE INTERVAL (ft)	SAMPLE WT. (g)	SAMPLE WT. POST WET SIEVE (g)	FINES WT. POST ANALYSIS (g)	TOTAL FINES WT. (g)	% FINES
0-2	94.286	94.158	0.026	0.154	0.163
2-4	84.494	84.330	0.055	0.219	0.259
4-6	97.62	96.426	0.161	1.355	1.388
6-8	92.218	91.133	0.082	1.167	1.265
8-10	114.331	112.759	0.117	1.689	1.477
10-12	104.298	95.227	1.359	10.430	10.000
12-14	113.102	111.991	0.093	1.204	1.065
14-16	79.822	78.484	0.112	1.450	1.817
16-18	121.391	116.987	0.530	4.934	4.065
18-19.7	98.609	96.042	0.623	3.190	3.235

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VSL-6
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE
CORE DIAMETER: 3.5"	TOTAL DEPTH: 20FT.	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER


DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
0-2	VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY		SW	ACCESSORY MINERALS: 50 % SHELL FOSSILS: MOLLUSKS, SPICULES, MILIOLIDS, BARNACLES, OSTRACODS 0.45% FINES
2-10	FINE TO GRAVEL SIZED CARBONATE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 30 % QUARTZ SAND FOSSILS: MOLLUSKS, SPICULES, MILIOLIDS, BRYOZOA, BARNACLES, BENTHIC FORAMINIFERA, GASTROPODS, ECHINOIDS 0.88% FINES	
4-6			0.13% FINES	
6-8			0.60% FINES	
8-10			0.74% FINES	
10-14	VERY FINE TO COARSE GRAINED SAND MODERATE GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY		ACCESSORY MINERALS: 50 % SHELL FOSSILS: MILIOLIDS, MOLLUSKS, BARNACLES, BENTHIC FORAMINIFERA, SPICULES, GASTROPODS, BRYOZOA, ECHINOIDS 0.80% FINES	
12-14			0.82% FINES	
14-20	FINE TO GRAVEL SIZED CARBONATE SAND MODERATE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 25 % QUARTZ SAND FOSSILS: MILIOLIDS, BENTHIC FORAMINIFERA, MOLLUSKS, BARNACLES, SPICULES, ECHINOIDS, GASTROPODS, BRYOZOA 1.88% FINES	
16-18			1.70% FINES	
18-20			1.93% FINES	

FINESL6

**CORE:** VSL6  
**DATE ANALYZED:** 2/9/00  
**ANALYZED BY:** Adel A. Dabous  
**TOTAL DEPTH:** 20 ft.

<b>SAMPLE INTERVAL</b> (ft)	<b>SAMPLE WT.</b> (g)	<b>SAMPLE WT. POST WET SIEVE</b> (g)	<b>FINES WT. POST ANALYSIS</b> (g)	<b>TOTAL FINES WT.</b> (g)	<b>% FINES</b>
0-2	81.345	81.031	0.049	0.363	0.446
2-4	81.484	80.973	0.206	0.717	0.880
4-6	74.979	74.902	0.022	0.099	0.132
6-8	86.542	86.119	0.097	0.520	0.601
8-10	99.418	98.752	0.065	0.731	0.735
10-12	82.122	81.592	0.130	0.660	0.804
12-14	97.217	96.556	0.139	0.800	0.823
14-16	66.788	65.750	0.216	1.254	1.878
16-18	84.187	82.894	0.137	1.430	1.699
18-20	95.995	95.315	1.169	1.849	1.926

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VSL-7
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE
CORE DIAMETER: 3.5"	TOTAL DEPTH: 18.7FT	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
2	(0-2) MEDIUM TO PEBBLE SIZED CARBONATE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR, LOW SPHERICITY		SW	ACCESSORY MINERALS: 15 % QUARTZ SAND FOSSILS: MOLLUSKS, BRYOZOA, BARNACLES, ECHINOIDS, GASTROPODS 1.41% FINES
4	(2-4) MEDIUM TO GRAVEL SIZED CARBONATE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ANGULAR, LOW SPHERICITY			ACCESSORY MINERALS: 15 % QUARTZ SAND FOSSILS: MOLLUSKS, BRYOZOA, BARNACLES, ECHINOIDS, SPICULES, GASTROPODS 2.83% FINES
6	(4-8) VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY SUB-ANGULAR LOW SPHERICITY			ACCESSORY MINERALS: 30 % SHELL SHELL INCREASES WITH DEPTH TO ABOUT 50 % FOSSILS: MOLLUSKS, BARNACLES, MILIOLIDS, BENTHIC FORAMINIFERA, SPICULES, GASTROPODS, ECHINOIDS 9.47% FINES
8	(6-8)			3.42% FINES
10	(8-10) VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR MEDIUM SPHERICITY			ACCESSORY MINERALS: 25 % SHELL, 3% HEAVY MINERALS FOSSILS: MOLLUSKS, MILIOLIDS, SPICULES, BENTHIC FORAMINIFERA, BARNACLES 10.54% FINES
12	(10-12) VERY FINE TO MEDIUM GRAINED SAND LIGHT OLIVE GRAY ANGULAR TO SUB-ANGULAR MEDIUM SPHERICITY			ACCESSORY MINERALS: 20 % SHELL FOSSILS: MILIOLIDS, BENTHIC FORAMINIFERA, MOLLUSKS, BARNACLES, ECHINOID 25.58% FINES
14	(12-18.7) FINE TO GRAVEL SIZED CARBONATE SAND GREENISH GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ANGULAR, LOW SPHERICITY			ACCESSORY MINERALS: 25 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, ECHINOID, MILIOLIDS, BENTHIC FORAMINIFERA, GASTROPODS, BRYOZOA 7.12% FINES
16	(14-16)	5.09% FINES		
18	(16-18.7)	5.96% FINES		

FINESL7

**CORE:** VSL7  
**DATE ANALYZED:** 2/9/00  
**ANALYZED BY:** Adel A. Dabous  
**TOTAL DEPTH:** 18.7 ft.

<b>SAMPLE INTERVAL</b> (ft)	<b>SAMPLE WT.</b> (g)	<b>SAMPLE WT. POST WET SIEVE</b> (g)	<b>FINES WT. POST ANALYSIS</b> (g)	<b>TOTAL FINES WT.</b> (g)	<b>% FINES</b>
0-2	65.095	64.321	0.144	0.918	1.410
2-4	90.383	88.176	0.351	2.558	2.830
4-6	89.651	84.378	3.218	8.491	9.471
6-8	92.143	89.449	0.461	3.155	3.424
8-10	90.641	85.804	4.713	9.550	10.536
10-12	84.726	66.990	3.935	21.671	25.578
12-14	96.347	90.129	0.643	6.861	7.121
14-16	115.032	109.502	0.325	5.855	5.090
16-18.7	114.555	108.005	0.277	6.827	5.960



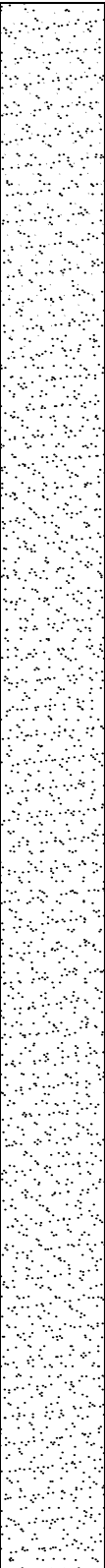
PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VSL8	
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE	
CORE DIAMETER: 3.5"	TOTAL DEPTH: 19.8FT	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER	
DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. USCS SYMBOL CLASS	COMMENTS
2	(0-8) MEDIUM TO GRAVEL SIZED CARBONATE SAND LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ANGULAR, LOW SPHERICITY	SW	ACCESSORY MINERALS: 20 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, BRYOZOA, BENTHIC FORAMINIFERA, ECHINOID, GASTROPODS, MILIOLIDS 0.97% FINES
	(2-4)		0.71% FINES
4	(4-6)		0.65% FINES
6	(6-8)		0.87% FINES
8	(8-16) FINE TO GRAVEL SIZED CARBONATE SAND BECOMING FINER WITH DEPTH MODERATE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 20 % QUARTZ SAND, 1% HEAVY MINERALS FOSSILS: MOLLUSKS, BARNACLES, SPICULES, MILIOLIDS, BENTHIC FORAMINIFERA, OSTRACODS, GASTROPODS 2.14% FINES
10	(10-12)		7.16% FINES
12	(12-14)		15.63% FINES
14	(14-16)		12.26% FINES
16	(16-18) VERY FINE TO PEBBLE SIZED CARBONATE SAND YELLOWISH GRAY TO LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 10 % QUARTZ SAND FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA, BARNACLES 15.29% FINES
18	(18-19.8) VERY FINE TO PEBBLE SIZED CARBONATE SAND LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR, LOW SPHERICITY POOR INDURATION		ACCESSORY MINERALS: 25 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, SPICULES, BENTHIC FORAMINIFERA 7.48% FINES

FINESL8

CORE: VSL8  
 DATE ANALYZED: 2/17/00  
 ANALYZED BY: Adel A. Dabous  
 TOTAL DEPTH: 19.8 ft.

SAMPLE INTERVAL (ft)	SAMPLE WT. (g)	SAMPLE WT. POST WET SIEVE (g)	FINES WT. POST ANALYSIS (g)	TOTAL FINES WT. (g)	% FINES
0-2	87.755	86.970	0.069	0.854	0.973
2-4	107.151	106.464	0.077	0.764	0.713
4-6	85.199	84.672	0.026	0.553	0.649
6-8	101.544	100.677	0.020	0.887	0.874
8-10	91.025	89.165	0.091	1.951	2.143
10-12	85.138	79.870	0.830	6.098	7.162
12-14	109.321	95.764	3.526	17.083	15.626
14-16	93.832	84.800	2.475	11.507	12.263
16-18	69.012	60.504	2.045	10.553	15.292
18-19.8	108.71	103.578	2.998	8.130	7.479

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VSL-9B
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE
CORE DIAMETER: 3.5"	TOTAL DEPTH: 20 FT.	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER


DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
2	(0-8) VERY FINE TO GRAVEL SIZED CARBONATE SAND GREENISH GRAY PREDOMINANTLY SHELL DEBRIS (MARL) ANGULAR TO SUB-ANGULAR, LOW SPHERICITY		SW	ACCESSORY MINERALS: 25 % QUARTZ SAND (LIKE A MARL) FOSSILS: MOLLUSKS, BARNACLES, BENTHIC FORAMINIFERA, MILIOLIDS, OSTRACODS, GASTROPODS, SPICULES, ECHINOID 23.17% FINES
(2-4)			31.64% FINES	
4	(4-6)		35.84% FINES	
6	(6-8)		22.80% FINES	
8	(8-10) VERY FINE TO GRAVEL SIZED CARBONATE SAND LIGHT GRAY TO LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ROUNDED, LOW SPHERICITY		ACCESSORY MINERALS: 20 % QUARTZ SAND, 10% CALCARENITE FOSSILS: MOLLUSKS, BARNACLES, ECHINOID, BENTHIC FORAMINIFERA, MILIOLIDS 6.37% FINES	
10	(10-12) VERY FINE TO GRAVEL SIZED CARBONATE SAND VERY LIGHT GRAY TO YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS, PELOIDS ANGULAR TO ROUNDED, LOW TO MEDIUM SPHERICITY		ACCESSORY MINERALS: 20 % QUARTZ SAND, 70% SHELL, 8% CALCARENITE FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA, MILIOLIDS, OSTRACODS, GASTROPODS, SPICULES, BARNACLES 6.05 % FINES	
12	(12-14) VERY FINE TO GRAVEL SIZED CARBONATE SAND WHITE TO YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 20 % QUARTZ SAND, 60% SHELL FOSSILS: MOLLUSKS, BARNACLES, MILIOLIDS, BENTHIC FORAMINIFERA, ECHINOID, GASTROPODS 18.58% FINES	
14	(14-16) VERY FINE TO GRAVEL SIZED CARBONATE SAND, LIGHT GRAY PREDOMINANTLY SHELL DEBRIS; MICROCOQUINA ANGULAR TO SUB-ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 15 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, MILIOLIDS, BENTHIC FORAMINIFERA, ECHINOID 5.95 % FINES	
16	(16-18) WACKESTONE VERY LIGHT GRAY TO YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS IN A LIME MUD MATRIX		ACCESSORY MINERALS: <5 % QUARTZ SAND, 70% SHELL FOSSILS: MOLLUSKS, BARNACLES, ECHINOID, BENTHIC FORAMINIFERA, MILIOLIDS 19.92% FINES	
18	(18-20) VERY FINE TO GRAVEL SIZED CARBONATE SAND LIGHT OLIVE GRAY TO YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS; MICROCOQUINA ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 10 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, ECHINOID, BENTHIC FORAMINIFERA, MILIOLIDS, BRYOZOA 9.14% FINES	

FINESL9B

CORE: VSL9B  
 DATE ANALYZED: 2/23/00  
 ANALYZED BY: Adel A. Dabous  
 TOTAL DEPTH: 20.2 ft.

SAMPLE INTERVAL (ft)	SAMPLE WT. (g)	SAMPLE WT. POST WET SIEVE (g)	FINES WT. POST ANALYSIS (g)	TOTAL FINES WT. (g)	% FINES
0-2	100.904	80.591	3.066	23.379	23.170
2-4	115.154	82.606	3.889	36.437	31.642
4-6	118.778	80.478	4.274	42.574	35.843
6-8	121.485	94.510	0.720	27.695	22.797
8-10	126.928	119.225	0.388	8.091	6.374
10-12	105.393	99.598	0.579	6.374	6.048
12-14	118.024	97.375	1.275	21.924	18.576
14-16	89.298	84.346	0.362	5.314	5.951
16-18	147.218	118.795	0.895	29.318	19.915
18-19.8	116.058	107.186	1.732	10.604	9.137

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VSL-10
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE
CORE DIAMETER: 3.5"	TOTAL DEPTH: 17.7FT	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL CLASS	USCS	COMMENTS
0-2	FINE TO GRAVEL SIZED CARBONATE SAND YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ANGULAR, LOW SPHERICITY		SW	ACCESSORY MINERALS: 20 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, BRYOZOA, BENTHIC FORAMINIFERA, MILIOLIDS, GASTROPODS 0.82% FINES
2-4	MEDIUM TO PEBBLE SIZED CARBONATE SAND LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 20 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, BRYOZOA, BENTHIC FORAMINIFERA, MILIOLIDS, GASTROPODS 2.64% FINES	
4-6	MEDIUM TO PEBBLE SIZED CARBONATE SAND YELLOWISH GRAY TO WHITE PREDOMINANTLY SHELL DEBRIS ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 20 % QUARTZ SAND, <5% CALCARENITE FOSSILS: MOLLUSKS, BARNACLES, BRYOZOA, GASTROPODS 2.40% FINES	
6-10	FINE TO GRAVEL SIZED CARBONATE SAND LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 15 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, BRYOZOA, MILIOLIDS, ECHINOID, GASTROPODS 1.10% FINES	
8-10			3.65% FINES	
10-17.7	VERY FINE TO GRAVEL SIZED CARBONATE SAND LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS; 12 -18 FT. IS MICROCOQUINA ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 30 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, MILIOLIDS, BENTHIC FORAMINIFERA, SPICULES, ECHINOID, GASTROPODS 1.76% FINES	
12-14			11.18% FINES	
14-16		10.65% FINES		
16-18		11.17% FINES		

FINESL10

**CORE:** VSL10  
**DATE ANALYZED:** 2/29/00  
**ANALYZED BY:** Adel A. Dabous  
**TOTAL DEPTH:** 17.7 ft.

<b>SAMPLE INTERVAL</b> (ft)	<b>SAMPLE WT.</b> (g)	<b>SAMPLE WT. POST WET SIEVE</b> (g)	<b>FINES WT. POST ANALYSIS</b> (g)	<b>TOTAL FINES WT.</b> (g)	<b>% FINES</b>
0-2	85.379	84.704	0.028	0.703	0.823
2-4	131.501	128.201	0.175	3.475	2.643
4-6	96.869	94.633	0.087	2.323	2.398
6-8	101.563	100.555	0.114	1.122	1.105
8-10	114.177	110.267	0.256	4.166	3.649
10-12	80.175	78.943	0.181	1.413	1.762
12-14	106.397	96.708	2.208	11.897	11.182
14-16	116.161	105.857	2.064	12.368	10.647
16-18	119.593	107.297	1.061	13.357	11.169

PROJECT: MMS COOPERATIVE STUDY CENTRAL FLORIDA EAST COAST		BORING ID: VSL-11
INSTALLATION DATE:		DRILLING METHOD: VIBRACORE
CORE DIAMETER: 3.5"	TOTAL DEPTH: 19.9FT	GEOLOGISTS: H. FREEDENBERG, A. DABOUS, C. FISCHLER

DEPTH (FT)	GEOLOGIC DESCRIPTION	LITH. SYMBOL	USCS CLASS	COMMENTS
0-2	VERY FINE TO MEDIUM GRAINED SAND VERY LIGHT GRAY TO YELLOWISH GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY		SW	ACCESSORY MINERALS: 30 % SHELL, 25% CALCARENITE FOSSILS: MOLLUSKS, OOLITES, SPICULES, GASTROPODS, BENTHIC FORAMINIFERA 6.39% FINES
2-4	FINE TO COARSE GRAINED PELLETOIDAL SAND YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS, PELLETS AND OOLITES SUB-ROUNDED TO WELL-ROUNDED, MEDIUM TO HIGH SPHERICITY		ACCESSORY MINERALS: 30 % SHELL, 20% QUARTZ SAND FOSSILS: MOLLUSKS, OOLITES, BENTHIC FORAMINIFERA 8.36% FINES	
4-6	FINE TO COARSE GRAINED PELLETOIDAL SAND YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS, PELLETS AND OOLITES SUB-ANGULAR TO WELL-ROUNDED, MEDIUM SPHERICITY		ACCESSORY MINERALS: 20 % QUARTZ SAND, 25% SHELL FOSSILS: MOLLUSKS, OOLITES, BENTHIC FORAMINIFERA 8.01% FINES	
6-10	FINE TO COARSE GRAINED PELLETOIDAL SAND YELLOWISH GRAY PREDOMINANTLY SHELL DEBRIS, PELLETS AND OOLITES SUB-ANGULAR TO WELL-ROUNDED, MEDIUM SPHERICITY		ACCESSORY MINERALS: 35 % SHELL, 5 % SPAR, 20% QUARTZ SAND FOSSILS: MOLLUSKS, OOLITES, GASTROPODS, BENTHIC FORAMINIFERA 3.69% FINES	
8-10			3.79% FINES	
10-14	VERY FINE TO MEDIUM GRAINED SAND LIGHT GRAY ANGULAR TO SUB-ANGULAR LOW SPHERICITY		ACCESSORY MINERALS: 40 % SHELL, 15-20% CALCARENITE FOSSILS: MOLLUSKS, OOLITES, ECHINOID, SPICULES, BENTHIC FORAMINIFERA 4.42% FINES	
12-14			3.44% FINES	
14-16	FINE TO PEBBLE SIZED CARBONATE SAND LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS ANGULAR TO SUB-ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 25 % QUARTZ SAND FOSSILS: MOLLUSKS, BARNACLES, ECHINOID, BENTHIC FORAMINIFERA, MILIOLIDS, GASTROPODS, OSTRACODS 6.91% FINES	
16-19.9	VERY FINE TO GRAVEL SIZED CARBONATE SAND LIGHT OLIVE GRAY PREDOMINANTLY SHELL DEBRIS; MICROCOQUINA ANGULAR, LOW SPHERICITY		ACCESSORY MINERALS: 35 % QUARTZ SAND FOSSILS: BARNACLES, BENTHIC FORAMINIFERA, ECHINOID, MILIOLIDS, GASTROPODS, OSTRACODS 6.04% FINES	
18-19.9			8.02% FINES	

FINESL11

**CORE:** VSL11  
**DATE ANALYZED:** 3/2/00  
**ANALYZED BY:** Adel A. Dabous  
**TOTAL DEPTH:** 19.9 ft.

<b>SAMPLE INTERVAL</b> (ft)	<b>SAMPLE WT.</b> (g)	<b>SAMPLE WT. POST WET SIEVE</b> (g)	<b>FINES WT. POST ANALYSIS</b> (g)	<b>TOTAL FINES WT.</b> (g)	<b>% FINES</b>
0-2	77.202	72.620	0.350	4.932	6.388
2-4	95.817	88.370	0.563	8.010	8.360
4-6	90.57	83.603	0.287	7.254	8.009
6-8	99.548	96.261	0.382	3.669	3.686
8-10	129.184	125.003	0.718	4.899	3.792
10-12	103.786	99.904	0.703	4.585	4.418
12-14	81.781	79.805	0.838	2.814	3.441
14-16	76.639	72.373	1.032	5.298	6.913
16-18	84.633	80.523	0.999	5.109	6.037
18-19.8	83.8	78.822	1.746	6.724	8.024



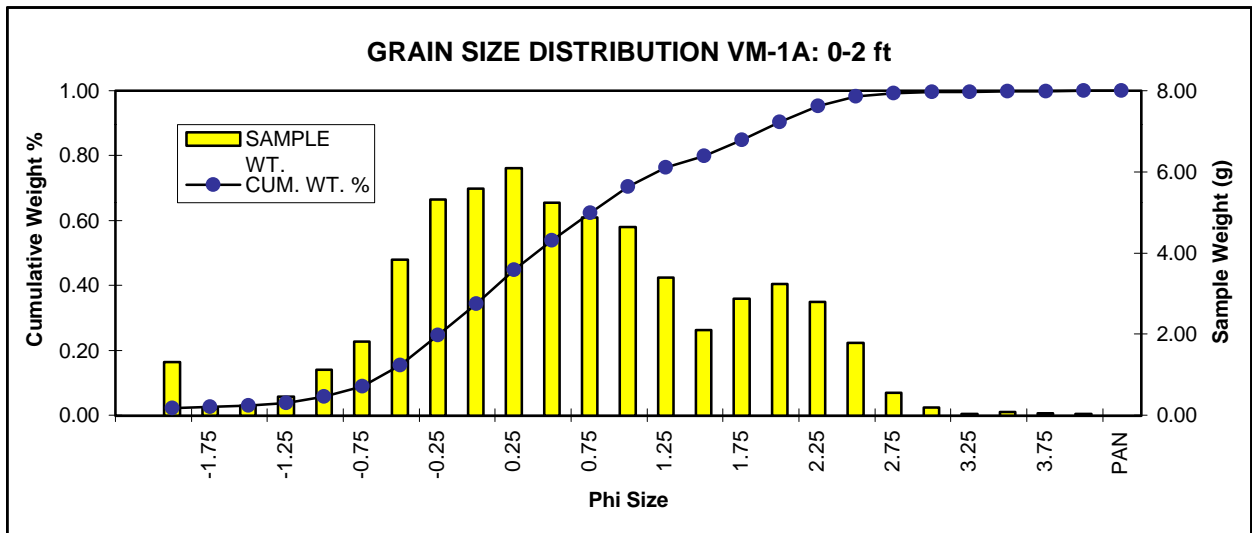
## **APPENDIX D**

# GRAIN SIZE DISTRIBUTION CHART

**CORE : VM-1A: 0-2 ft**

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.303	1.303	0.022537404	0.022537404
-1.75	0.174	1.477	0.003009600	0.025547003
-1.50	0.239	1.716	0.004133875	0.029680879
-1.25	0.451	2.167	0.007800744	0.037481622
-1.00	1.124	3.291	0.019441321	0.056922944
-0.75	1.810	5.101	0.031306754	0.088229698
-0.50	3.840	8.941	0.066418749	0.154648448
-0.25	5.317	14.258	0.091965753	0.246614200
0.00	5.584	19.842	0.096583932	0.343198132
0.25	6.085	25.927	0.105249503	0.448447635
0.50	5.241	31.168	0.090651215	0.539098850
0.75	4.879	36.047	0.084389864	0.623488714
1.00	4.636	40.683	0.080186803	0.703675517
1.25	3.391	44.074	0.058652599	0.762328116
1.50	2.094	46.168	0.036218974	0.798547090
1.75	2.871	49.039	0.049658393	0.848205483
2.00	3.227	52.266	0.055815965	0.904021448
2.25	2.791	55.057	0.048274669	0.952296117
2.50	1.778	56.835	0.030753265	0.983049382
2.75	0.559	57.394	0.009668771	0.992718153
3.00	0.196	57.590	0.003390124	0.996108276
3.25	0.031	57.621	0.000536193	0.996644469
3.50	0.079	57.700	0.001366427	0.998010897
3.75	0.051	57.751	0.000882124	0.998893021
4.00	0.032	57.783	0.000553490	0.999446510
PAN	0.032	57.815	0.000553490	1.0

<b>TOTAL WT.</b>	57.815	grams	
<b>MEDIAN WT.</b>	28.908	grams	
<b>MEAN GRAIN SIZE</b>	0.39	phi	0.7631 mm

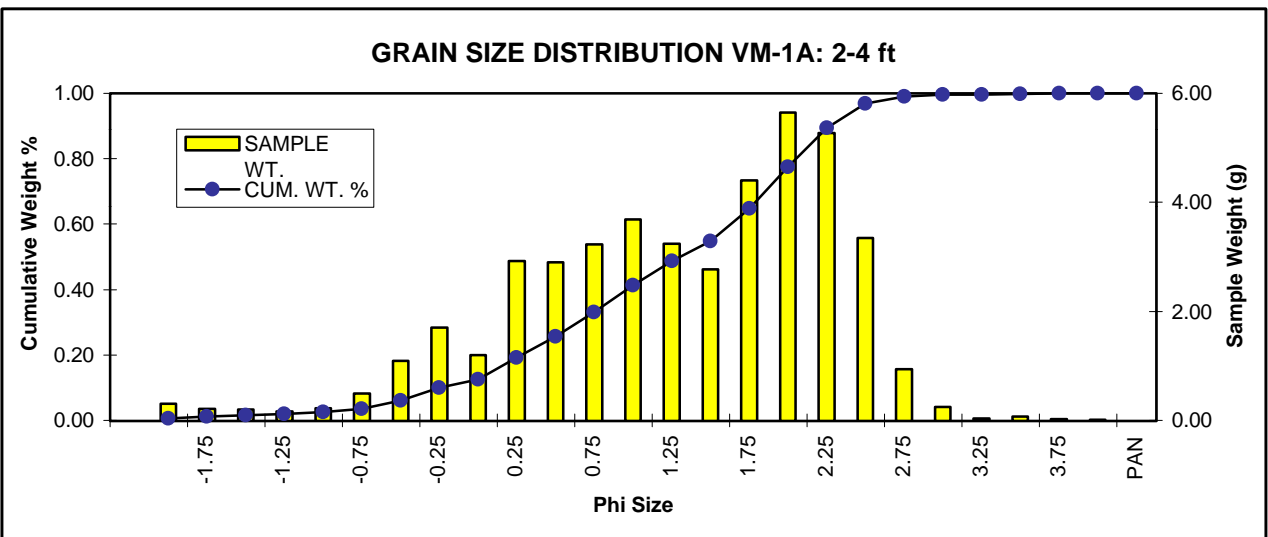


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-1A: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.303	0.303	0.006830016	0.006830016
-1.75	0.209	0.512	0.004711133	0.011541149
-1.50	0.199	0.711	0.004485720	0.016026869
-1.25	0.170	0.881	0.003832022	0.019858891
-1.00	0.224	1.105	0.005049253	0.024908144
-0.75	0.492	1.597	0.011090323	0.035998467
-0.50	1.090	2.687	0.024570025	0.060568492
-0.25	1.705	4.392	0.038432928	0.099001420
0.00	1.196	5.588	0.026959403	0.125960823
0.25	2.928	8.516	0.066000947	0.191961770
0.50	2.900	11.416	0.065369790	0.257331560
0.75	3.234	14.650	0.072898587	0.330230147
1.00	3.692	18.342	0.083222505	0.413452652
1.25	3.235	21.577	0.072921128	0.486373780
1.50	2.769	24.346	0.062416879	0.548790659
1.75	4.403	28.749	0.099249374	0.648040033
2.00	5.642	34.391	0.127178054	0.775218087
2.25	5.274	39.665	0.118882853	0.894100940
2.50	3.348	43.013	0.075468296	0.969569236
2.75	0.940	43.953	0.021188829	0.990758064
3.00	0.241	44.194	0.005432455	0.996190519
3.25	0.030	44.224	0.000676239	0.996866758
3.50	0.074	44.298	0.001668057	0.998534815
3.75	0.022	44.320	0.000495909	0.999030724
4.00	0.016	44.336	0.000360661	0.999391385
PAN	0.027	44.363	0.000608615	1.0

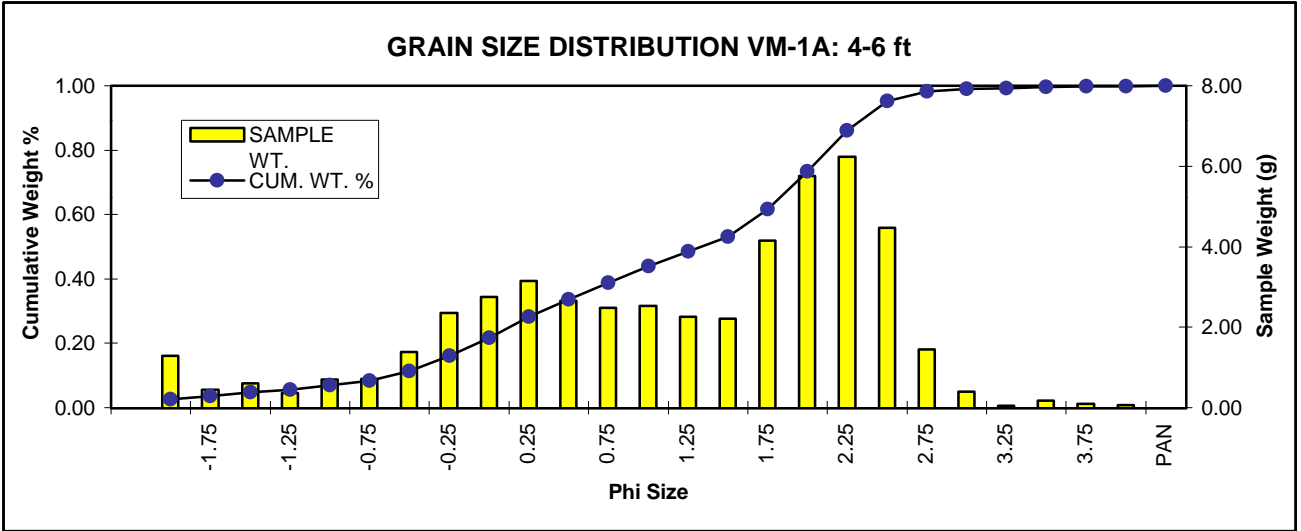
**TOTAL WT.** 44.363 grams  
**MEDIAN WT.** 22.182 grams  
**MEAN GRAIN SIZE** 1.3 phi 0.4061 mm



# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-1A: 4-6 ft

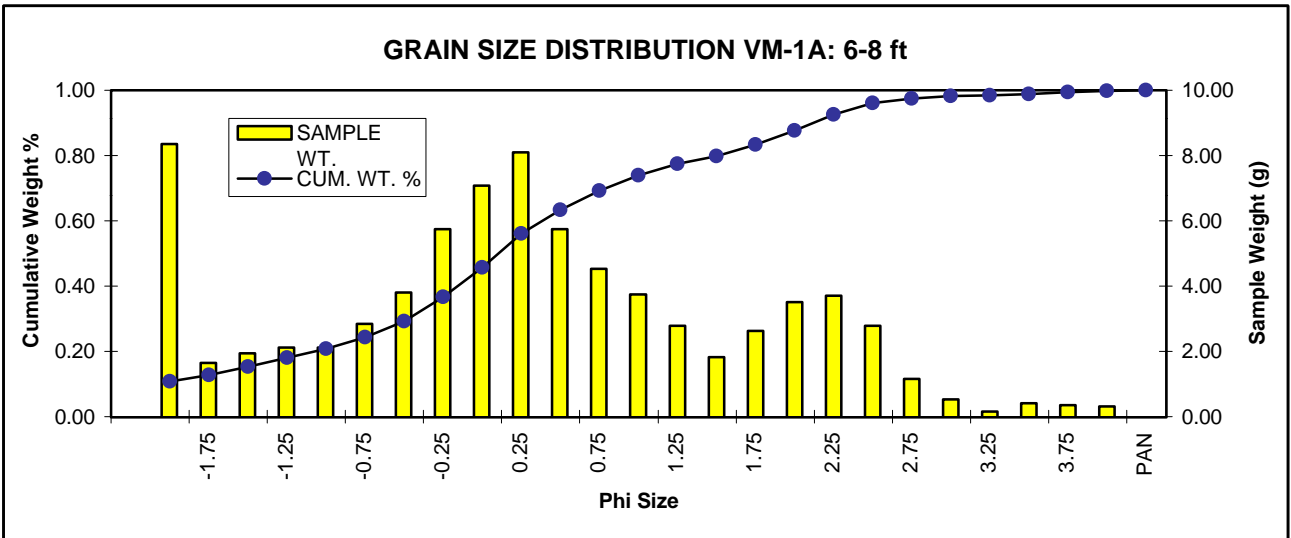
PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.288	1.288	0.026380469	0.026380469
-1.75	0.440	1.728	0.009011961	0.035392430
-1.50	0.601	2.329	0.012309520	0.047701950
-1.25	0.358	2.687	0.007332459	0.055034409
-1.00	0.702	3.389	0.014378175	0.069412584
-0.75	0.709	4.098	0.014521547	0.083934131
-0.50	1.390	5.488	0.028469605	0.112403736
-0.25	2.350	7.838	0.048132066	0.160535802
0.00	2.758	10.596	0.056488612	0.217024414
0.25	3.155	13.751	0.064619859	0.281644273
0.50	2.657	16.408	0.054419957	0.336064231
0.75	2.484	18.892	0.050876618	0.386940849
1.00	2.534	21.426	0.051900705	0.438841553
1.25	2.260	23.686	0.046288710	0.485130264
1.50	2.211	25.897	0.045285106	0.530415369
1.75	4.150	30.047	0.084999181	0.615414550
2.00	5.764	35.811	0.118056693	0.733471244
2.25	6.238	42.049	0.127765034	0.861236277
2.50	4.476	46.525	0.091676225	0.952912502
2.75	1.450	47.975	0.029698509	0.982611011
3.00	0.403	48.378	0.008254137	0.990865148
3.25	0.055	48.433	0.001126495	0.991991643
3.50	0.179	48.612	0.003666230	0.995657873
3.75	0.093	48.705	0.001904801	0.997562674
4.00	0.070	48.775	0.001433721	0.998996395
PAN	0.049	48.824	0.001003605	1.0
<b>TOTAL WT.</b>		48.824	grams	
<b>MEDIAN WT.</b>		24.412	grams	
<b>MEAN GRAIN SIZE</b>		1.33	phi	0.3978 mm



# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-1A: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	8.358	8.358	0.107086574	0.107086574
-1.75	1.641	9.999	0.021025253	0.128111827
-1.50	1.945	11.944	0.024920242	0.153032070
-1.25	2.121	14.065	0.027175236	0.180207306
-1.00	2.109	16.174	0.027021487	0.207228792
-0.75	2.841	19.015	0.036400210	0.243629002
-0.50	3.802	22.817	0.048712988	0.292341990
-0.25	5.748	28.565	0.073646043	0.365988033
0.00	7.072	35.637	0.090609745	0.456597778
0.25	8.096	43.733	0.103729708	0.560327487
0.50	5.746	49.479	0.073620418	0.633947905
0.75	4.526	54.005	0.057989212	0.691937116
1.00	3.738	57.743	0.047892990	0.739830107
1.25	2.780	60.523	0.035618650	0.775448757
1.50	1.814	62.337	0.023241810	0.798690566
1.75	2.630	64.967	0.033696780	0.832387346
2.00	3.505	68.472	0.044907686	0.877295033
2.25	3.707	72.179	0.047495804	0.924790837
2.50	2.784	74.963	0.035669900	0.960460736
2.75	1.156	76.119	0.014811208	0.975271945
3.00	0.521	76.640	0.006675294	0.981947238
3.25	0.149	76.789	0.001909057	0.983856295
3.50	0.418	77.207	0.005355610	0.989211905
3.75	0.361	77.568	0.004625299	0.993837205
4.00	0.307	77.875	0.003933426	0.997770631
PAN	0.174	78.049	0.002229369	1.0
<b>TOTAL WT.</b>		78.049	grams	
<b>MEDIAN WT.</b>		39.025	grams	
<b>MEAN GRAIN SIZE</b>		0.1	phi	0.9330 mm

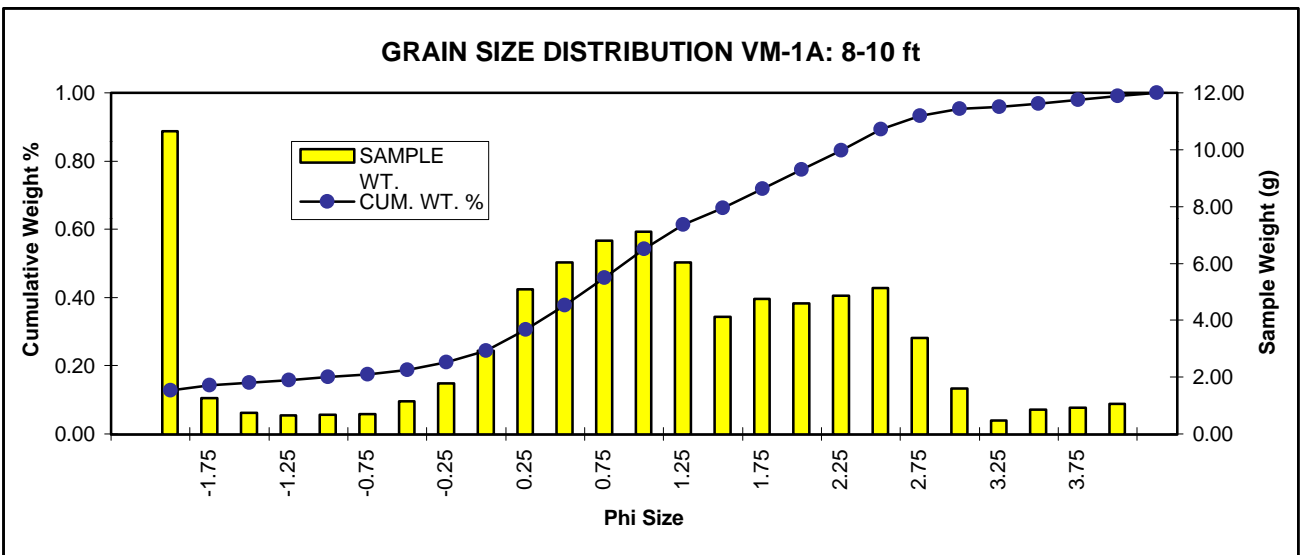


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-1A: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	10.651	10.651	0.126693549	0.126693549
-1.75	1.266	11.917	0.015059059	0.141752608
-1.50	0.735	12.652	0.008742818	0.150495426
-1.25	0.649	13.301	0.007719849	0.158215276
-1.00	0.686	13.987	0.008159964	0.166375239
-0.75	0.704	14.691	0.008374074	0.174749313
-0.50	1.152	15.843	0.013703030	0.188452343
-0.25	1.778	17.621	0.021149294	0.209601637
0.00	2.916	20.537	0.034685794	0.244287431
0.25	5.099	25.636	0.060652559	0.304939990
0.50	6.028	31.664	0.071703006	0.376642996
0.75	6.801	38.465	0.080897834	0.457540830
1.00	7.124	45.589	0.084739916	0.542280746
1.25	6.023	51.612	0.071643531	0.613924276
1.50	4.110	55.722	0.048888413	0.662812690
1.75	4.748	60.470	0.056477417	0.719290107
2.00	4.603	65.073	0.054752644	0.774042751
2.25	4.862	69.935	0.057833446	0.831876197
2.50	5.130	75.065	0.061021304	0.892897501
2.75	3.385	78.450	0.040264545	0.933162045
3.00	1.600	80.050	0.019031986	0.952194031
3.25	0.476	80.526	0.005662016	0.957856047
3.50	0.860	81.386	0.010229692	0.968085739
3.75	0.915	82.301	0.010883917	0.978969656
4.00	1.051	83.352	0.012501636	0.991471291
PAN	0.717	84.069	0.008528709	1.0

<b>TOTAL WT.</b>	84.069	grams	
<b>MEDIAN WT.</b>	42.035	grams	
<b>MEAN GRAIN SIZE</b>	0.88	phi	0.5434 mm

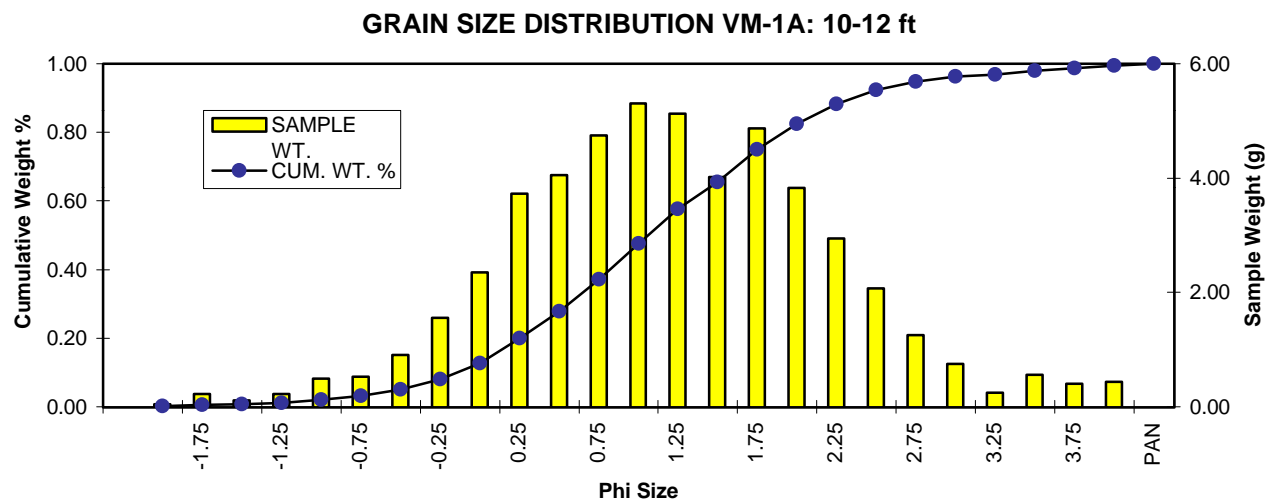


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-1A: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.049	0.049	0.000961142	0.000961142
-1.75	0.225	0.274	0.004413409	0.005374551
-1.50	0.107	0.381	0.002098821	0.007473372
-1.25	0.220	0.601	0.004315333	0.011788706
-1.00	0.491	1.092	0.009631039	0.021419745
-0.75	0.523	1.615	0.010258724	0.031678468
-0.50	0.910	2.525	0.017849787	0.049528256
-0.25	1.555	4.080	0.030501559	0.080029815
0.00	2.347	6.427	0.046036759	0.126066574
0.25	3.726	10.153	0.073086052	0.199152625
0.50	4.047	14.200	0.079382515	0.278535141
0.75	4.741	18.941	0.092995430	0.371530570
1.00	5.306	24.247	0.104077990	0.475608560
1.25	5.127	29.374	0.100566878	0.576175438
1.50	4.016	33.390	0.078774445	0.654949883
1.75	4.865	38.255	0.095427708	0.750377592
2.00	3.828	42.083	0.075086797	0.825464389
2.25	2.946	45.029	0.057786234	0.883250623
2.50	2.067	47.096	0.040544517	0.923795139
2.75	1.251	48.347	0.024538554	0.948333693
3.00	0.752	49.099	0.014750593	0.963084286
3.25	0.242	49.341	0.004746866	0.967831153
3.50	0.556	49.897	0.010906024	0.978737177
3.75	0.399	50.296	0.007826445	0.986563622
4.00	0.438	50.734	0.008591436	0.995155058
PAN	0.247	50.981	0.004844942	1.0

**TOTAL WT.** 50.981 grams  
**MEDIAN WT.** 25.491 grams  
**MEAN GRAIN SIZE** 1.06 phi 0.4796 mm

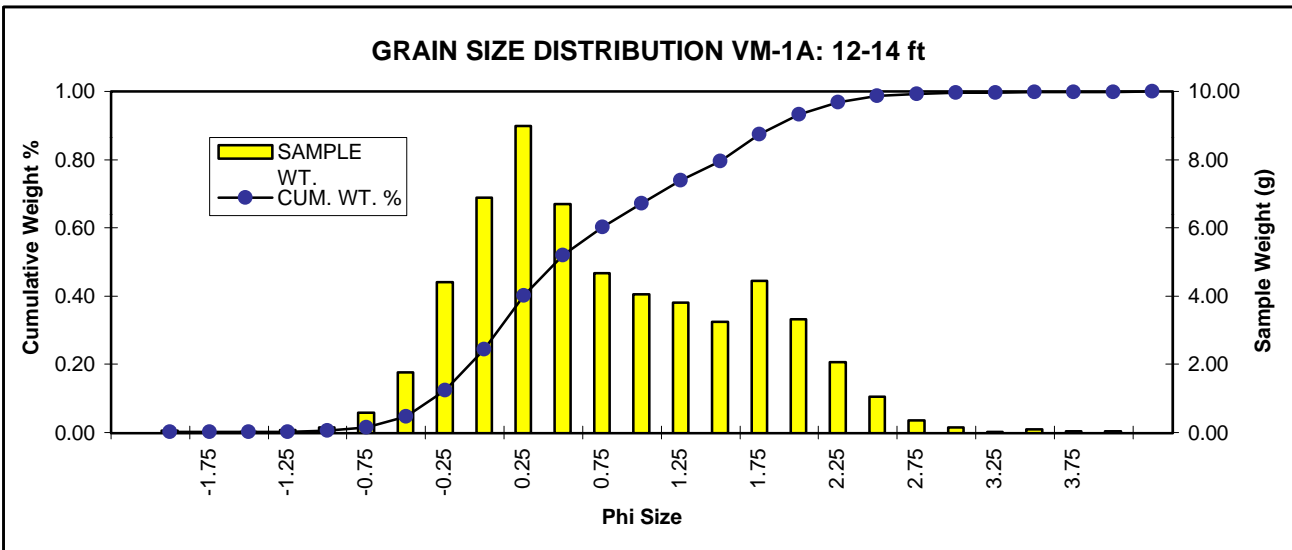


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-1A: 12-14 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.062	0.062	0.001087090	0.001087090
-1.75	0.000	0.062	0.000000000	0.001087090
-1.50	0.026	0.088	0.000455876	0.001542966
-1.25	0.069	0.157	0.001209826	0.002752792
-1.00	0.159	0.316	0.002787860	0.005540652
-0.75	0.578	0.894	0.010134484	0.015675135
-0.50	1.767	2.661	0.030982063	0.046657198
-0.25	4.404	7.065	0.077218452	0.123875651
0.00	6.886	13.951	0.120737117	0.244612768
0.25	8.993	22.944	0.157680641	0.402293409
0.50	6.693	29.637	0.117353111	0.519646520
0.75	4.671	34.308	0.081899953	0.601546473
1.00	4.046	38.354	0.070941385	0.672487858
1.25	3.808	42.162	0.066768362	0.739256220
1.50	3.240	45.402	0.056809216	0.796065436
1.75	4.439	49.841	0.077832132	0.873897568
2.00	3.318	53.159	0.058176845	0.932074413
2.25	2.060	55.219	0.036119440	0.968193853
2.50	1.046	56.265	0.018340259	0.986534112
2.75	0.353	56.618	0.006189399	0.992723511
3.00	0.155	56.773	0.002717725	0.995441236
3.25	0.025	56.798	0.000438343	0.995879578
3.50	0.090	56.888	0.001578034	0.997457612
3.75	0.042	56.930	0.000736416	0.998194028
4.00	0.035	56.965	0.000613680	0.998807708
PAN	0.068	57.033	0.001192292	1.0

TOTAL WT. 57.033 grams  
 MEDIAN WT. 28.517 grams  
 MEAN GRAIN SIZE 0.46 phi 0.7270 mm



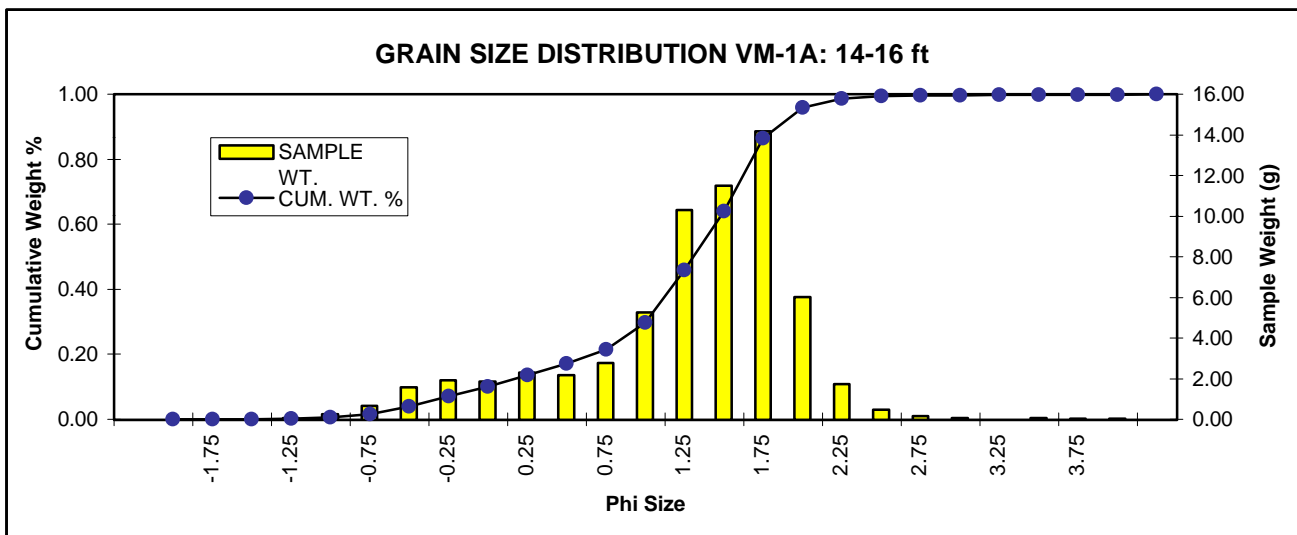


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-1A: 14-16 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	0.072	0.072	0.001135038	0.001135038
-1.00	0.257	0.329	0.004051455	0.005186493
-0.75	0.651	0.980	0.010262635	0.015449128
-0.50	1.569	2.549	0.024734370	0.040183498
-0.25	1.917	4.466	0.030220387	0.070403884
0.00	1.864	6.330	0.029384872	0.099788757
0.25	2.298	8.628	0.036226629	0.136015386
0.50	2.179	10.807	0.034350664	0.170366050
0.75	2.772	13.579	0.043698963	0.214065012
1.00	5.250	18.829	0.082763187	0.296828199
1.25	10.298	29.127	0.162341962	0.459170161
1.50	11.500	40.627	0.181290790	0.640460952
1.75	14.185	54.812	0.223618249	0.864079200
2.00	6.011	60.823	0.094759908	0.958839108
2.25	1.732	62.555	0.027303969	0.986143078
2.50	0.458	63.013	0.007220103	0.993363181
2.75	0.148	63.161	0.002333134	0.995696314
3.00	0.075	63.236	0.001182331	0.996878646
3.25	0.012	63.248	0.000189173	0.997067819
3.50	0.056	63.304	0.000882807	0.997950626
3.75	0.030	63.334	0.000472932	0.998423558
4.00	0.034	63.368	0.000535990	0.998959549
PAN	0.066	63.434	0.001040451	1.0

**TOTAL WT.** 63.434 grams  
**MEDIAN WT.** 31.717 grams  
**MEAN GRAIN SIZE** 1.31 phi 0.4033 mm

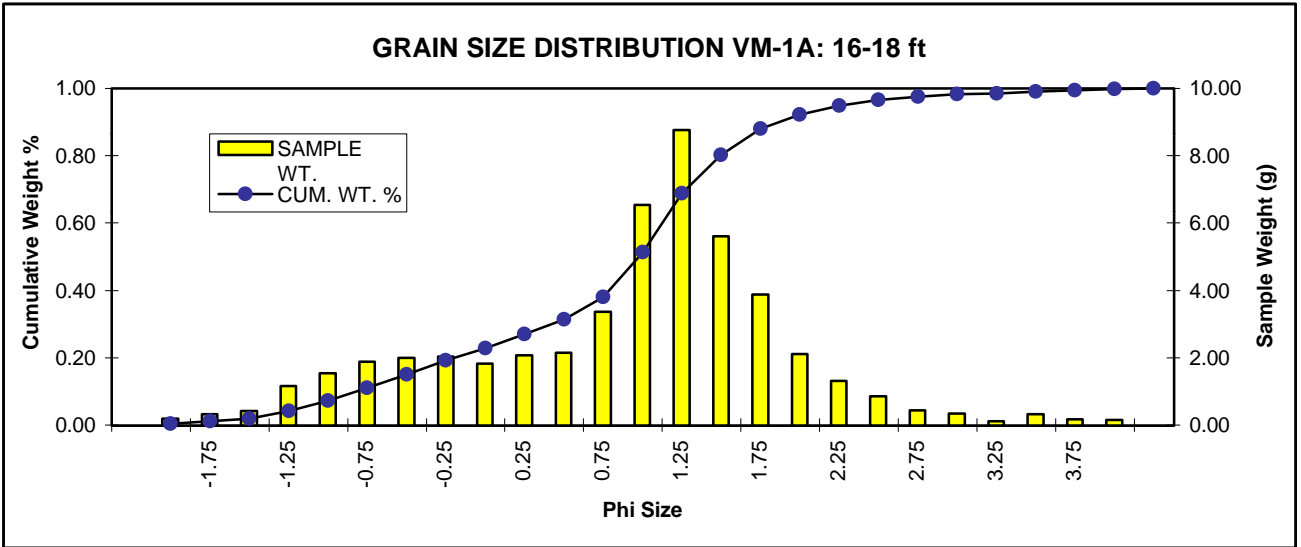


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-1A: 16-18 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.199	0.199	0.004004991	0.004004991
-1.75	0.329	0.528	0.006621317	0.010626308
-1.50	0.416	0.944	0.008372243	0.018998551
-1.25	1.151	2.095	0.023164547	0.042163098
-1.00	1.541	3.636	0.031013524	0.073176622
-0.75	1.879	5.515	0.037815972	0.110992594
-0.50	1.994	7.509	0.040130414	0.151123008
-0.25	2.026	9.535	0.040774432	0.191897440
0.00	1.817	11.352	0.036568185	0.228465626
0.25	2.067	13.419	0.041599581	0.270065207
0.50	2.151	15.570	0.043290130	0.313355337
0.75	3.365	18.935	0.067722589	0.381077926
1.00	6.536	25.471	0.131540815	0.512618741
1.25	8.771	34.242	0.176521494	0.689140235
1.50	5.603	39.845	0.112763645	0.801903880
1.75	3.876	43.721	0.078006762	0.879910642
2.00	2.116	45.837	0.042585735	0.922496377
2.25	1.314	47.151	0.026445017	0.948941394
2.50	0.860	48.011	0.017308002	0.966249396
2.75	0.444	48.455	0.008935759	0.975185155
3.00	0.341	48.796	0.006862824	0.982047979
3.25	0.117	48.913	0.002354693	0.984402673
3.50	0.315	49.228	0.006339559	0.990742232
3.75	0.169	49.397	0.003401224	0.994143455
4.00	0.157	49.554	0.003159717	0.997303172
PAN	0.134	49.688	0.002696828	1.0

<b>TOTAL WT.</b>	49.688	grams	
<b>MEDIAN WT.</b>	24.844	grams	
<b>MEAN GRAIN SIZE</b>	0.98	phi	0.5070 mm

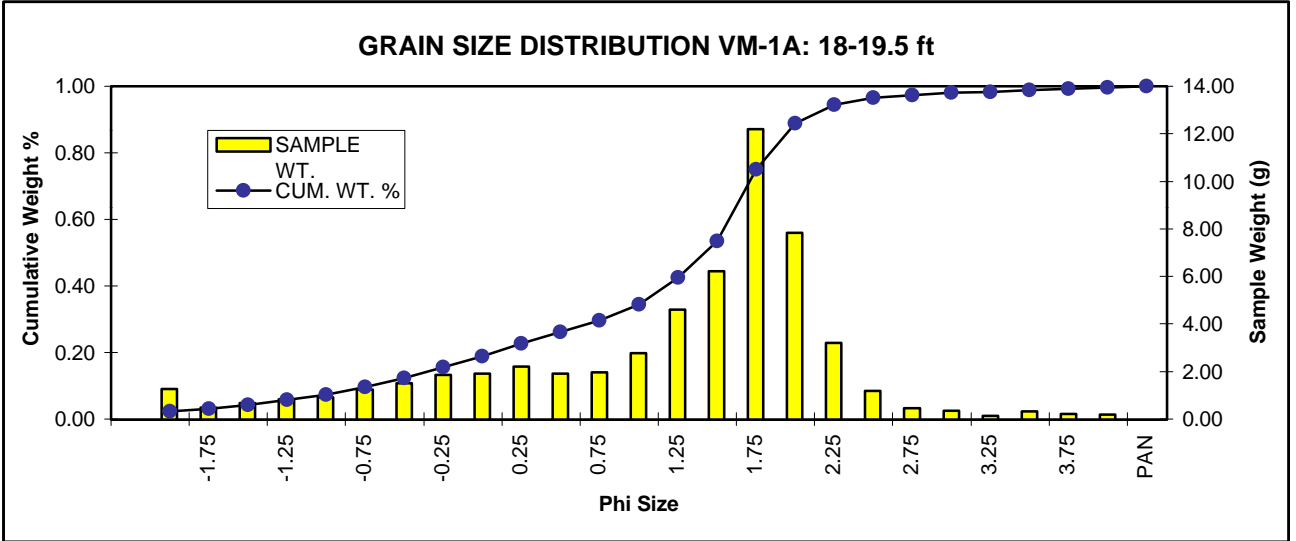


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-1A: 18-19.5 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.276	1.276	0.022485374	0.022485374
-1.75	0.486	1.762	0.008564178	0.031049552
-1.50	0.676	2.438	0.011912314	0.042961866
-1.25	0.843	3.281	0.014855149	0.057817016
-1.00	0.916	4.197	0.016141538	0.073958554
-0.75	1.226	5.423	0.021604286	0.095562839
-0.50	1.516	6.939	0.026714598	0.122277437
-0.25	1.854	8.793	0.032670755	0.154948192
0.00	1.922	10.715	0.033869035	0.188817227
0.25	2.206	12.921	0.038873617	0.227690844
0.50	1.901	14.822	0.033498978	0.261189822
0.75	1.973	16.795	0.034767745	0.295957567
1.00	2.769	19.564	0.048794671	0.344752238
1.25	4.594	24.158	0.080954395	0.425706633
1.50	6.225	30.383	0.109695496	0.535402129
1.75	12.203	42.586	0.215038415	0.750440544
2.00	7.823	50.409	0.137855079	0.888295623
2.25	3.216	53.625	0.056671601	0.944967224
2.50	1.187	54.812	0.020917037	0.965884260
2.75	0.458	55.270	0.008070769	0.973955029
3.00	0.359	55.629	0.006326214	0.980281243
3.25	0.139	55.768	0.002449426	0.982730669
3.50	0.328	56.096	0.005779939	0.988510608
3.75	0.220	56.316	0.003876789	0.992387397
4.00	0.199	56.515	0.003506732	0.995894128
PAN	0.233	56.748	0.004105872	1.0

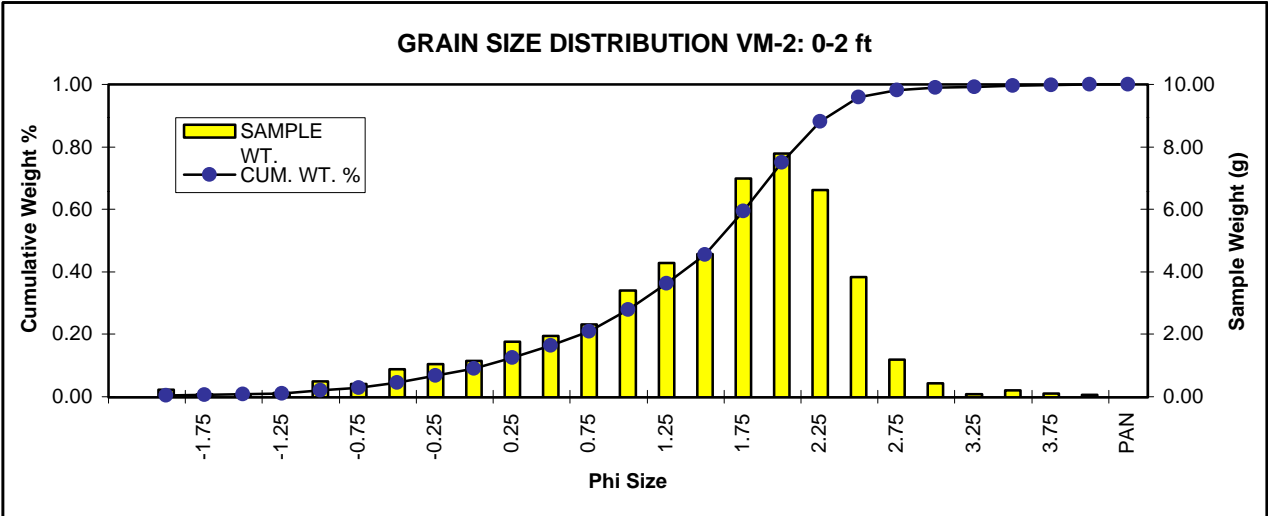
<b>TOTAL WT.</b>	56.748	grams	
<b>MEDIAN WT.</b>	28.374	grams	
<b>MEAN GRAIN SIZE</b>	1.42	phi	0.3737 mm



# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-2: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.219	0.219	0.004373615	0.004373615
-1.75	0.089	0.308	0.001777405	0.006151020
-1.50	0.088	0.396	0.001757434	0.007908454
-1.25	0.123	0.519	0.002456414	0.010364867
-1.00	0.485	1.004	0.009685859	0.020050726
-0.75	0.418	1.422	0.008347812	0.028398538
-0.50	0.874	2.296	0.017454516	0.045853055
-0.25	1.051	3.347	0.020989356	0.066842410
0.00	1.139	4.486	0.022746790	0.089589200
0.25	1.757	6.243	0.035088770	0.124677970
0.50	1.952	8.195	0.038983085	0.163661055
0.75	2.306	10.501	0.046052763	0.209713818
1.00	3.407	13.908	0.068040661	0.277754478
1.25	4.293	18.201	0.085734827	0.363489306
1.50	4.573	22.774	0.091326663	0.454815969
1.75	6.980	29.754	0.139396481	0.594212450
2.00	7.782	37.536	0.155413097	0.749625547
2.25	6.610	44.146	0.132007269	0.881632816
2.50	3.826	47.972	0.076408444	0.958041260
2.75	1.196	49.168	0.023885128	0.981926387
3.00	0.425	49.593	0.008487608	0.990413996
3.25	0.078	49.671	0.001557726	0.991971721
3.50	0.205	49.876	0.004094023	0.996065744
3.75	0.105	49.981	0.002096938	0.998162682
4.00	0.055	50.036	0.001098396	0.999261079
PAN	0.037	50.073	0.000738921	1.0
<b>TOTAL WT.</b>		50.073	grams	
<b>MEDIAN WT.</b>		25.037	grams	
<b>MEAN GRAIN SIZE</b>		1.58	phi	0.3345 mm

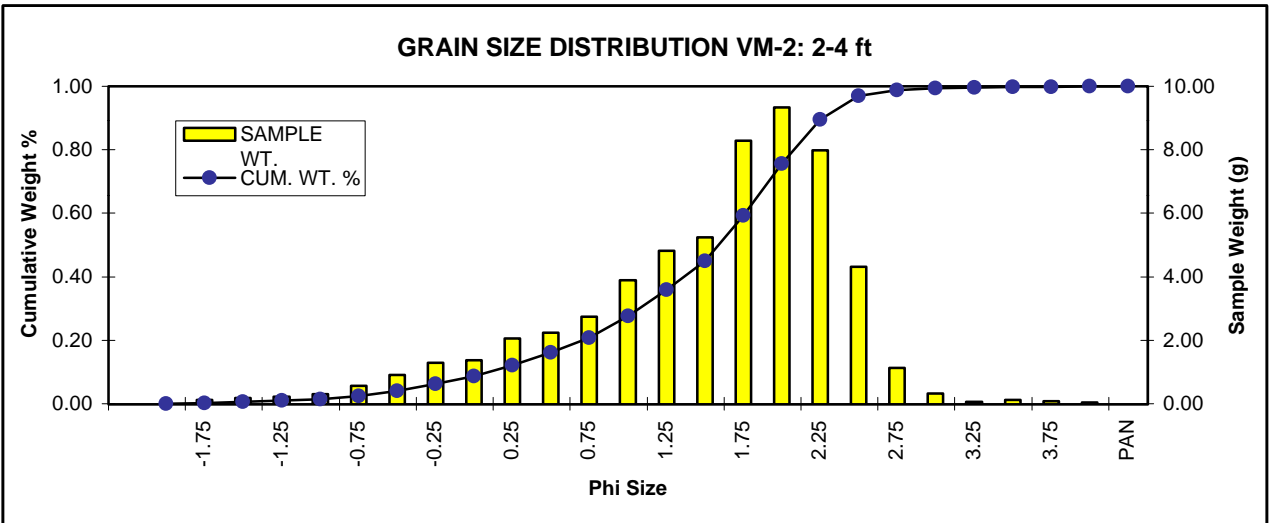


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-2:2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.115	0.115	0.001994485	0.001994485
-1.50	0.189	0.304	0.003277892	0.005272377
-1.25	0.229	0.533	0.003971626	0.009244004
-1.00	0.304	0.837	0.005272377	0.014516381
-0.75	0.563	1.400	0.009764304	0.024280685
-0.50	0.903	2.303	0.015661042	0.039941726
-0.25	1.285	3.588	0.022286200	0.062227926
0.00	1.380	4.968	0.023933818	0.086161744
0.25	2.065	7.033	0.035814010	0.121975754
0.50	2.233	9.266	0.038727692	0.160703446
0.75	2.736	12.002	0.047451395	0.208154841
1.00	3.882	15.884	0.067326870	0.275481711
1.25	4.822	20.706	0.083629615	0.359111327
1.50	5.237	25.943	0.090827104	0.449938431
1.75	8.285	34.228	0.143689623	0.593628055
2.00	9.344	43.572	0.162056227	0.755684282
2.25	7.988	51.560	0.138538650	0.894222931
2.50	4.319	55.879	0.074905912	0.969128844
2.75	1.127	57.006	0.019545951	0.988674795
3.00	0.316	57.322	0.005480497	0.994155292
3.25	0.054	57.376	0.000936541	0.995091833
3.50	0.124	57.500	0.002150575	0.997242408
3.75	0.073	57.573	0.001266064	0.998508472
4.00	0.046	57.619	0.000797794	0.999306266
PAN	0.040	57.659	0.000693734	1.0

<b>TOTAL WT.</b>	57.659	grams	
<b>MEDIAN WT.</b>	28.830	grams	
<b>MEAN GRAIN SIZE</b>	1.59	phi	0.3322 mm

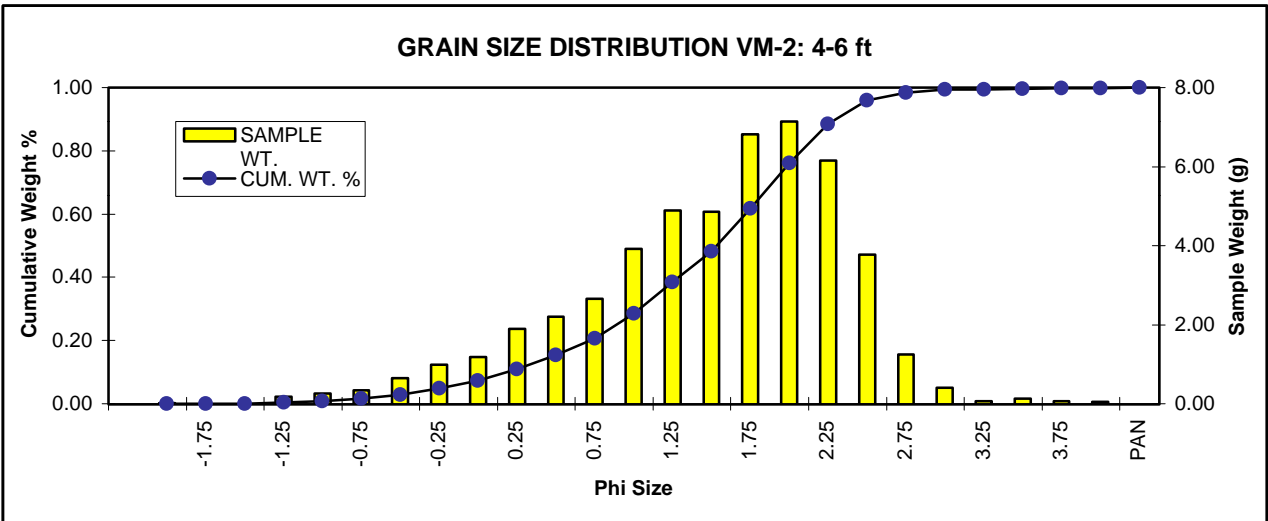


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-2: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.013	0.013	0.000260448	0.000260448
-1.75	0.000	0.013	0.000000000	0.000260448
-1.50	0.000	0.013	0.000000000	0.000260448
-1.25	0.178	0.191	0.003566134	0.003826582
-1.00	0.260	0.451	0.005208959	0.009035541
-0.75	0.340	0.791	0.006811716	0.015847257
-0.50	0.644	1.435	0.012902192	0.028749449
-0.25	0.983	2.418	0.019693873	0.048443323
0.00	1.190	3.608	0.023841007	0.072284329
0.25	1.893	5.501	0.037925231	0.110209560
0.50	2.204	7.705	0.044155948	0.154365509
0.75	2.650	10.355	0.053091317	0.207456826
1.00	3.916	14.271	0.078454943	0.285911768
1.25	4.892	19.163	0.098008575	0.383920343
1.50	4.857	24.020	0.097307369	0.481227712
1.75	6.818	30.838	0.136594943	0.617822655
2.00	7.134	37.972	0.142925832	0.760748487
2.25	6.157	44.129	0.123352166	0.884100653
2.50	3.767	47.896	0.075469808	0.959570461
2.75	1.255	49.151	0.025143246	0.984713708
3.00	0.412	49.563	0.008254197	0.992967905
3.25	0.059	49.622	0.001182033	0.994149938
3.50	0.132	49.754	0.002644549	0.996794487
3.75	0.062	49.816	0.001242136	0.998036623
4.00	0.046	49.862	0.000921585	0.998958208
PAN	0.052	49.914	0.001041792	1.0

<b>TOTAL WT.</b>	49.914	grams
<b>MEDIAN WT.</b>	24.957	grams
<b>MEAN GRAIN SIZE</b>	1.53	phi
		0.3463 mm

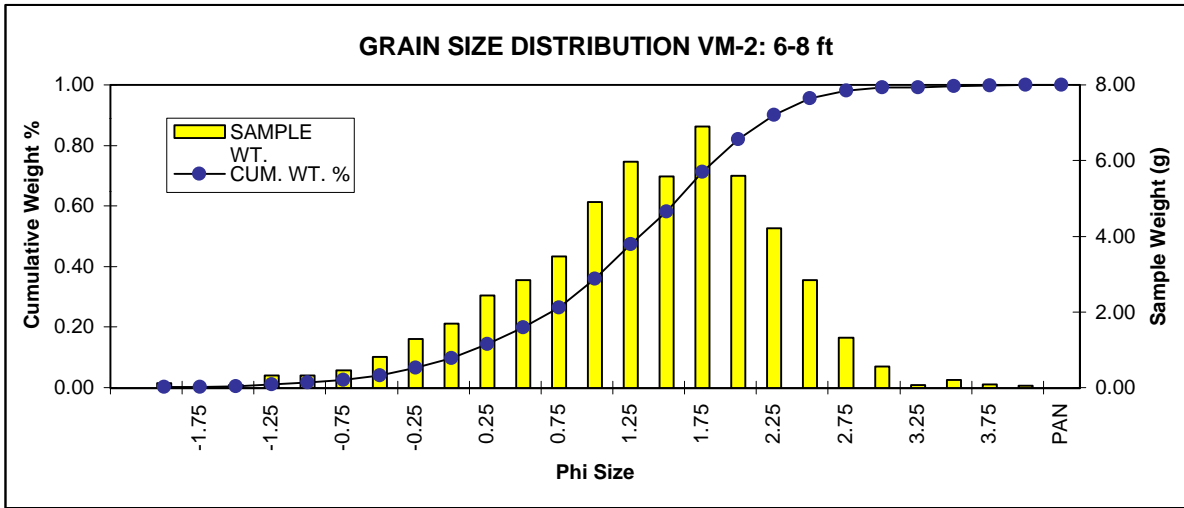


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-2: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.125	0.125	0.002393902	0.002393902
-1.75	0.020	0.145	0.000383024	0.002776927
-1.50	0.076	0.221	0.001455493	0.004232419
-1.25	0.323	0.544	0.006185843	0.010418263
-1.00	0.315	0.859	0.006032634	0.016450896
-0.75	0.461	1.320	0.008828712	0.025279608
-0.50	0.814	2.134	0.015589091	0.040868699
-0.25	1.282	3.416	0.024551861	0.065420561
0.00	1.689	5.105	0.032346407	0.097766968
0.25	2.434	7.539	0.046614065	0.144381033
0.50	2.842	10.381	0.054427762	0.198808794
0.75	3.472	13.853	0.066493029	0.265301823
1.00	4.910	18.763	0.094032480	0.359334304
1.25	5.975	24.738	0.114428528	0.473762831
1.50	5.577	30.315	0.106806343	0.580569174
1.75	6.903	37.218	0.132200858	0.712770032
2.00	5.597	42.815	0.107189367	0.819959399
2.25	4.211	47.026	0.080645779	0.900605178
2.50	2.849	49.875	0.054561820	0.955166999
2.75	1.324	51.199	0.025356213	0.980523211
3.00	0.551	51.750	0.010552321	0.991075532
3.25	0.070	51.820	0.001340585	0.992416118
3.50	0.203	52.023	0.003887697	0.996303815
3.75	0.092	52.115	0.001761912	0.998065727
4.00	0.056	52.171	0.001072468	0.999138195
PAN	0.045	52.216	0.000861805	1.0

<b>TOTAL WT.</b>	52.216	grams	
<b>MEDIAN WT.</b>	26.108	grams	
<b>MEAN GRAIN SIZE</b>	1.31	phi	0.4033 mm

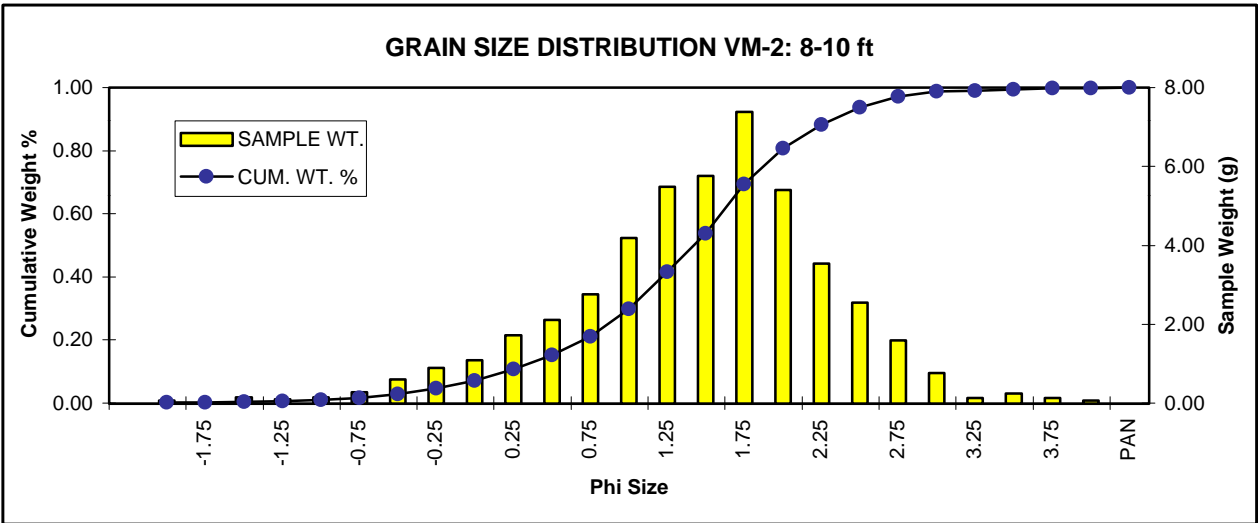


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-2: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.065	0.065	0.001377469	0.001377469
-1.75	0.000	0.065	0.000000000	0.001377469
-1.50	0.152	0.217	0.003221158	0.004598627
-1.25	0.093	0.310	0.001970840	0.006569467
-1.00	0.154	0.464	0.003263542	0.009833008
-0.75	0.283	0.747	0.005997287	0.015830296
-0.50	0.599	1.346	0.012693905	0.028524201
-0.25	0.887	2.233	0.018797152	0.047321353
0.00	1.094	3.327	0.023183860	0.070505213
0.25	1.721	5.048	0.036471137	0.106976350
0.50	2.106	7.154	0.044629991	0.151606341
0.75	2.754	9.908	0.058362295	0.209968636
1.00	4.182	14.090	0.088624226	0.298592863
1.25	5.492	19.582	0.116385522	0.414978384
1.50	5.758	25.340	0.122022548	0.537000932
1.75	7.387	32.727	0.156544037	0.693544969
2.00	5.402	38.129	0.114478257	0.808023226
2.25	3.540	41.669	0.075019073	0.883042299
2.50	2.542	44.211	0.053869628	0.936911927
2.75	1.596	45.807	0.033822158	0.970734085
3.00	0.764	46.571	0.016190557	0.986924642
3.25	0.122	46.693	0.002585403	0.989510045
3.50	0.243	46.936	0.005149614	0.994659659
3.75	0.129	47.065	0.002733746	0.997393405
4.00	0.064	47.129	0.001356277	0.998749682
PAN	0.059	47.188	0.001250318	1.0

<b>TOTAL WT.</b>	47.188	grams	
<b>MEDIAN WT.</b>	23.594	grams	
<b>MEAN GRAIN SIZE</b>	1.42	phi	0.3737 mm



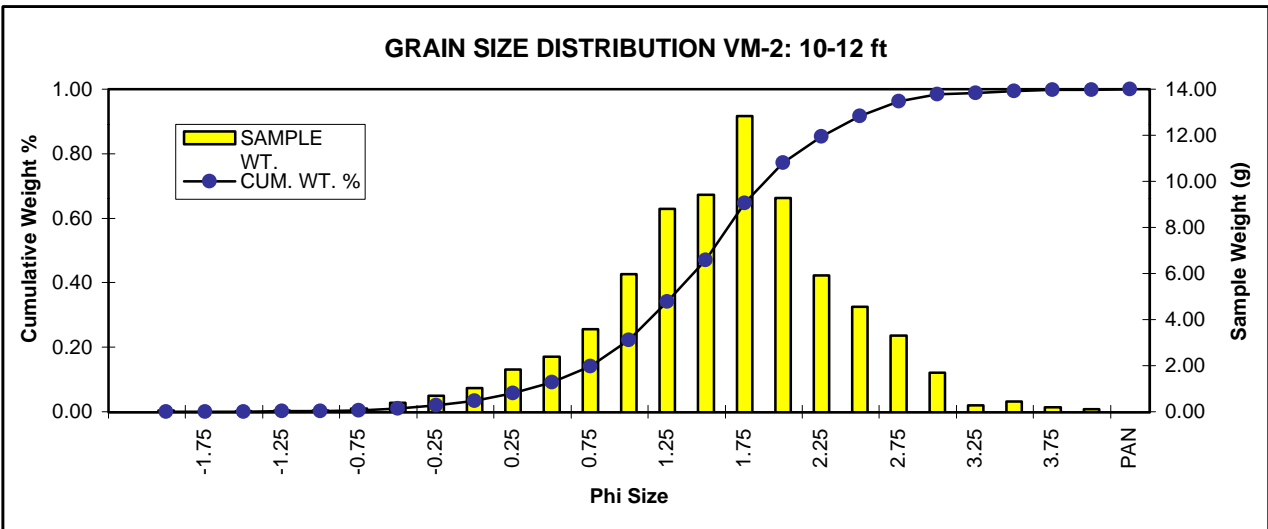


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-2: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.049	0.049	0.000669527	0.000669527
-1.75	0.000	0.049	0.000000000	0.000669527
-1.50	0.021	0.070	0.000286940	0.000956467
-1.25	0.063	0.133	0.000860820	0.001817287
-1.00	0.065	0.198	0.000888148	0.002705435
-0.75	0.132	0.330	0.001803624	0.004509059
-0.50	0.386	0.716	0.005274233	0.009783292
-0.25	0.699	1.415	0.009551007	0.019334299
0.00	1.028	2.443	0.014046402	0.033380701
0.25	1.835	4.278	0.025073101	0.058453803
0.50	2.401	6.679	0.032806821	0.091260624
0.75	3.581	10.260	0.048930123	0.140190747
1.00	5.962	16.222	0.081463668	0.221654415
1.25	8.815	25.037	0.120446533	0.342100948
1.50	9.405	34.442	0.128508185	0.470609133
1.75	12.835	47.277	0.175375072	0.645984205
2.00	9.280	56.557	0.126800208	0.772784412
2.25	5.928	62.485	0.080999098	0.853783511
2.50	4.569	67.054	0.062429973	0.916213483
2.75	3.318	70.372	0.045336540	0.961550023
3.00	1.702	72.074	0.023255814	0.984805837
3.25	0.272	72.346	0.003716558	0.988522395
3.50	0.441	72.787	0.006025743	0.994548138
3.75	0.201	72.988	0.002746427	0.997294565
4.00	0.115	73.103	0.001571339	0.998865903
PAN	0.083	73.186	0.001134097	1.0

<b>TOTAL WT.</b>	73.186	grams	
<b>MEDIAN WT.</b>	36.593	grams	
<b>MEAN GRAIN SIZE</b>	1.54	phi	0.3439 mm

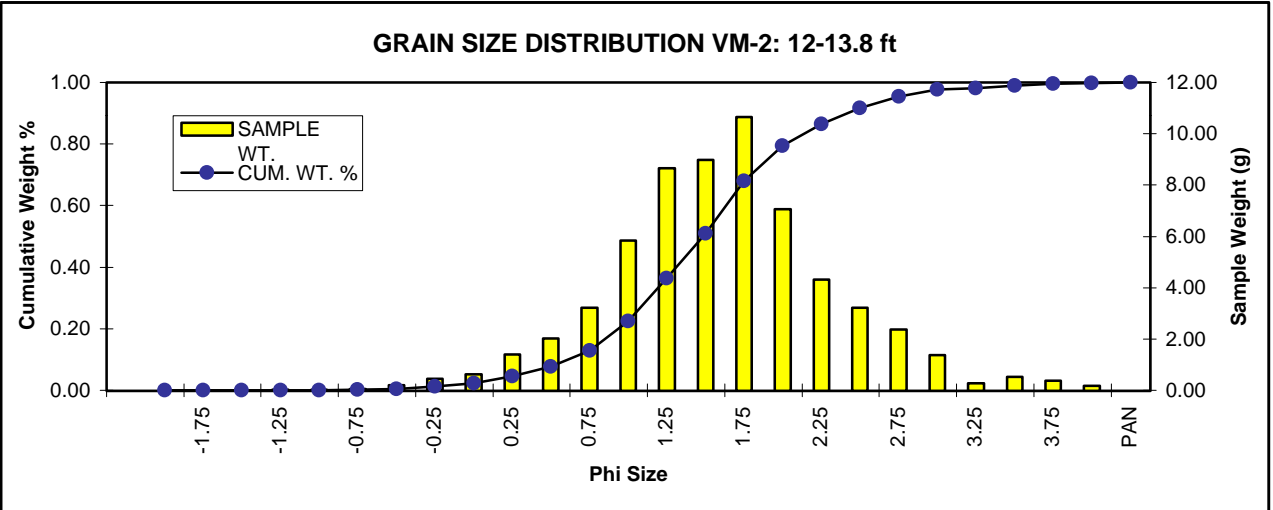


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-2: 12-13.8 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	0.000	0.000	0.000000000	0.000000000
-1.25	0.014	0.014	0.000226105	0.000226105
-1.00	0.029	0.043	0.000468361	0.000694467
-0.75	0.060	0.103	0.000969024	0.001663490
-0.50	0.205	0.308	0.003310830	0.004974321
-0.25	0.457	0.765	0.007380729	0.012355050
0.00	0.627	1.392	0.010126296	0.022481346
0.25	1.397	2.789	0.022562098	0.045043445
0.50	2.025	4.814	0.032704545	0.077747989
0.75	3.223	8.037	0.052052715	0.129800704
1.00	5.850	13.887	0.094479796	0.224280500
1.25	8.650	22.537	0.139700895	0.363981395
1.50	8.969	31.506	0.144852870	0.508834265
1.75	10.648	42.154	0.171969379	0.680803644
2.00	7.049	49.203	0.113844116	0.794647760
2.25	4.313	53.516	0.069656643	0.864304403
2.50	3.225	56.741	0.052085016	0.916389418
2.75	2.376	59.117	0.038373332	0.954762751
3.00	1.378	60.495	0.022255241	0.977017992
3.25	0.271	60.766	0.004376756	0.981394748
3.50	0.530	61.296	0.008559708	0.989954456
3.75	0.364	61.660	0.005878743	0.995833199
4.00	0.171	61.831	0.002761717	0.998594916
PAN	0.087	61.918	0.001405084	1.0

<b>TOTAL WT.</b>	61.918	grams	
<b>MEDIAN WT.</b>	30.959	grams	
<b>MEAN GRAIN SIZE</b>	1.48	phi	0.3585

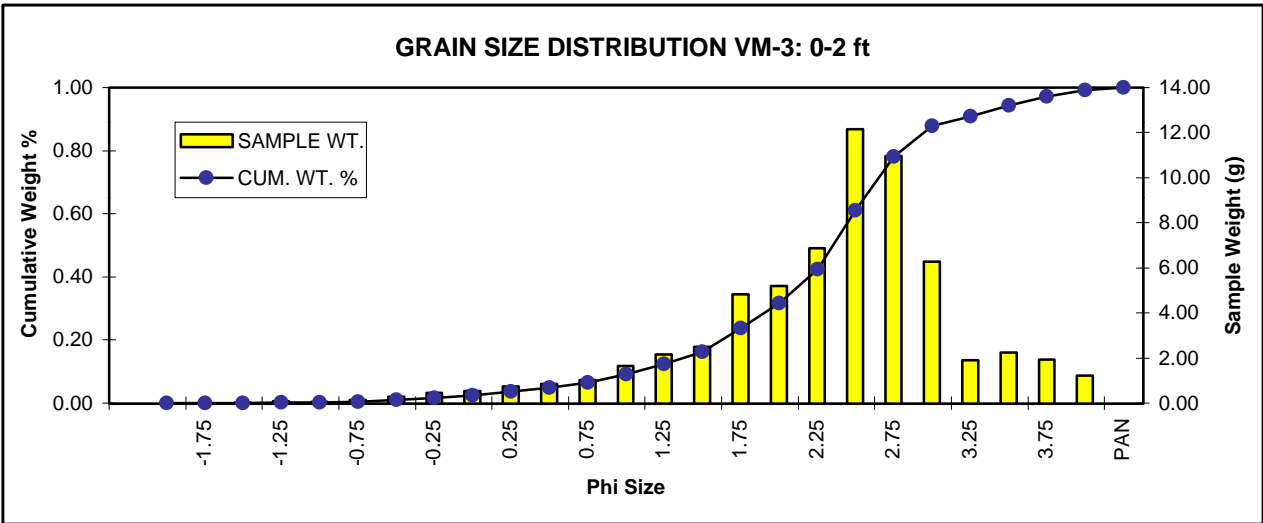


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-3: 0-2 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	0.034	0.034	0.000526324	0.000526324
-1.25	0.089	0.123	0.001377730	0.001904054
-1.00	0.049	0.172	0.000758526	0.002662580
-0.75	0.153	0.325	0.002368458	0.005031038
-0.50	0.285	0.610	0.004411833	0.009442871
-0.25	0.449	1.059	0.006950572	0.016393443
0.00	0.528	1.587	0.008173501	0.024566944
0.25	0.738	2.325	0.011424325	0.035991269
0.50	0.842	3.167	0.013034257	0.049025527
0.75	1.033	4.200	0.015990960	0.065016486
1.00	1.635	5.835	0.025309989	0.090326476
1.25	2.155	7.990	0.033359650	0.123686125
1.50	2.493	10.483	0.038591929	0.162278054
1.75	4.829	15.312	0.074753479	0.237031533
2.00	5.185	20.497	0.080264400	0.317295933
2.25	6.866	27.363	0.106286475	0.423582408
2.50	12.140	39.503	0.187928606	0.611511014
2.75	10.975	50.478	0.169894271	0.781405285
3.00	6.266	56.744	0.096998406	0.878403690
3.25	1.911	58.655	0.029582501	0.907986192
3.50	2.239	60.894	0.034659979	0.942646171
3.75	1.935	62.829	0.029954024	0.972600195
4.00	1.208	64.037	0.018699980	0.991300175
PAN	0.562	64.599	0.008699825	1.0

<b>TOTAL WT.</b>	64.599	grams	
<b>MEDIAN WT.</b>	32.300	grams	
<b>MEAN GRAIN SIZE</b>	2.35	phi	0.1961 mm

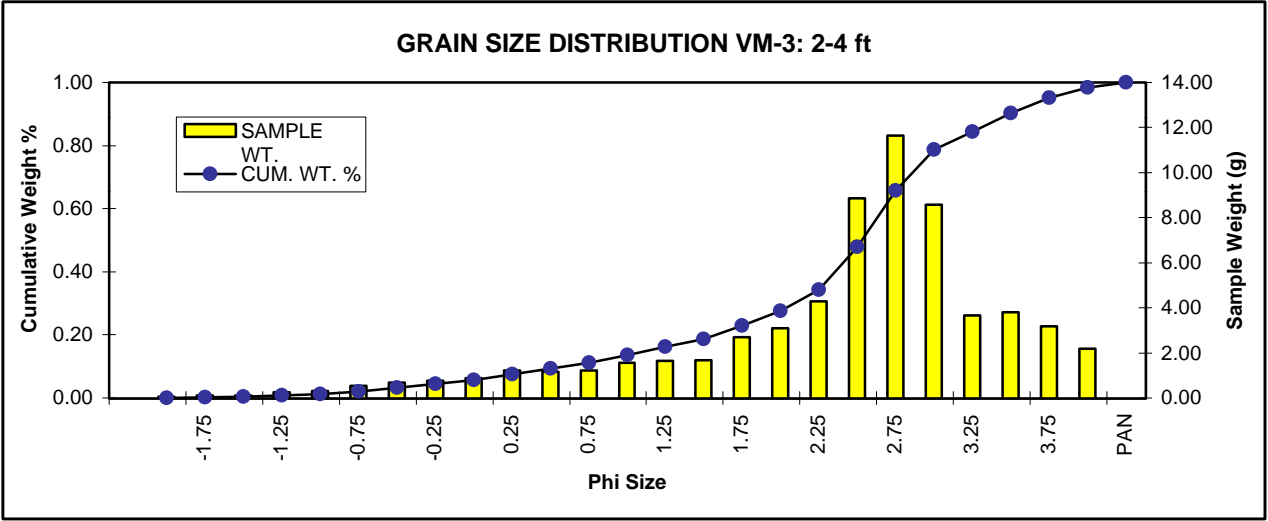


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-3: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.060	0.060	0.000919794	0.000919794
-1.75	0.103	0.163	0.001578980	0.002498774
-1.50	0.125	0.288	0.001916237	0.004415011
-1.25	0.247	0.535	0.003786485	0.008201496
-1.00	0.313	0.848	0.004798259	0.012999755
-0.75	0.533	1.381	0.008170836	0.021170591
-0.50	0.688	2.069	0.010546971	0.031717562
-0.25	0.777	2.846	0.011911332	0.043628894
0.00	0.893	3.739	0.013689600	0.057318494
0.25	1.219	4.958	0.018687147	0.076005641
0.50	1.157	6.115	0.017736694	0.093742335
0.75	1.226	7.341	0.018794457	0.112536792
1.00	1.570	8.911	0.024067942	0.136604734
1.25	1.661	10.572	0.025462963	0.162067697
1.50	1.667	12.239	0.025554942	0.187622639
1.75	2.704	14.943	0.041452048	0.229074687
2.00	3.098	18.041	0.047492028	0.276566716
2.25	4.279	22.320	0.065596640	0.342163355
2.50	8.851	31.171	0.135684940	0.477848295
2.75	11.642	42.813	0.178470689	0.656318985
3.00	8.577	51.390	0.131484547	0.787803532
3.25	3.655	55.045	0.056030782	0.843834314
3.50	3.797	58.842	0.058207628	0.902041943
3.75	3.167	62.009	0.048549792	0.950591734
4.00	2.176	64.185	0.033357861	0.983949595
PAN	1.047	65.232	0.016050405	1.0

<b>TOTAL WT.</b>	65.232	grams	
<b>MEDIAN WT.</b>	32.616	grams	
<b>MEAN GRAIN SIZE</b>	2.53	phi	0.1731 mm

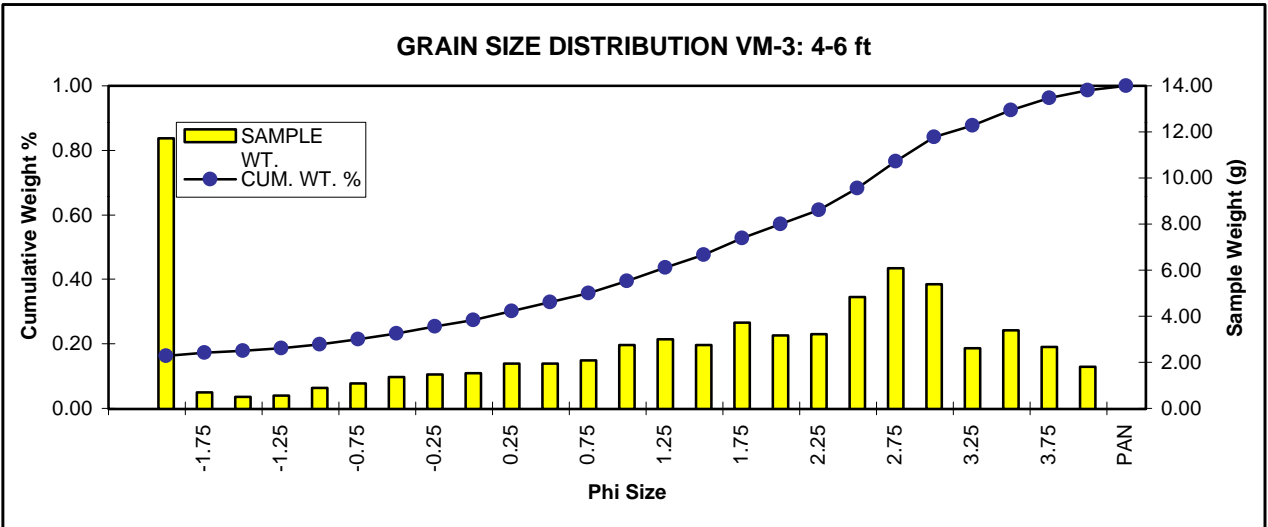


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-3: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	11.709	11.709	0.162584354	0.162584354
-1.75	0.693	12.402	0.009622594	0.172206948
-1.50	0.502	12.904	0.006970480	0.179177428
-1.25	0.564	13.468	0.007831375	0.187008803
-1.00	0.877	14.345	0.012177511	0.199186315
-0.75	1.077	15.422	0.014954595	0.214140909
-0.50	1.350	16.772	0.018745314	0.232886223
-0.25	1.464	18.236	0.020328251	0.253214474
0.00	1.523	19.759	0.021147491	0.274361965
0.25	1.949	21.708	0.027062679	0.301424644
0.50	1.956	23.664	0.027159877	0.328584521
0.75	2.094	25.758	0.029076064	0.357660585
1.00	2.741	28.499	0.038059929	0.395720514
1.25	2.994	31.493	0.041572940	0.437293454
1.50	2.738	34.231	0.038018273	0.475311728
1.75	3.717	37.948	0.051612097	0.526923825
2.00	3.153	41.101	0.043780721	0.570704546
2.25	3.210	44.311	0.044572190	0.615276736
2.50	4.829	49.140	0.067052681	0.682329418
2.75	6.077	55.217	0.084381682	0.766711100
3.00	5.384	60.601	0.074759088	0.841470188
3.25	2.608	63.209	0.036213169	0.877683357
3.50	3.379	66.588	0.046918826	0.924602183
3.75	2.662	69.250	0.036962981	0.961565164
4.00	1.804	71.054	0.025049293	0.986614457
PAN	0.964	72.018	0.013385543	1.0

<b>TOTAL WT.</b>	72.018	grams	
<b>MEDIAN WT.</b>	36.009	grams	
<b>MEAN GRAIN SIZE</b>	1.62	phi	0.3253 mm

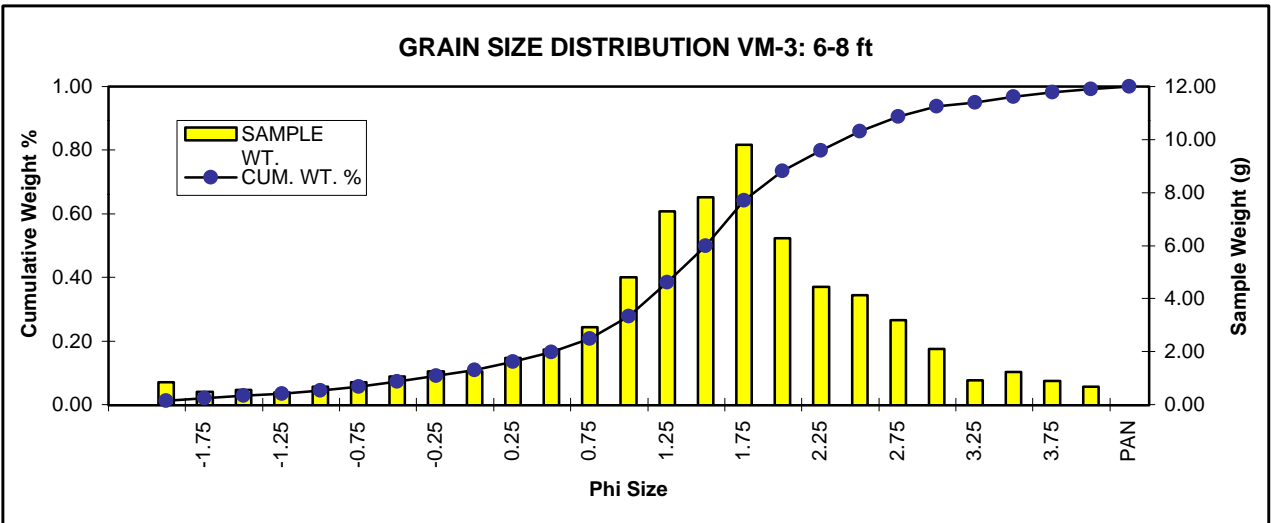


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-3: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.846	0.846	0.012368059	0.012368059
-1.75	0.477	1.323	0.006973480	0.019341540
-1.50	0.563	1.886	0.008230753	0.027572293
-1.25	0.451	2.337	0.006593374	0.034165668
-1.00	0.678	3.015	0.009911991	0.044077659
-0.75	0.856	3.871	0.012514254	0.056591913
-0.50	1.073	4.944	0.015686676	0.072278588
-0.25	1.245	6.189	0.018201222	0.090479811
0.00	1.255	7.444	0.018347417	0.108827227
0.25	1.766	9.210	0.025817959	0.134645186
0.50	2.067	11.277	0.030218415	0.164863600
0.75	2.922	14.199	0.042718049	0.207581650
1.00	4.800	18.999	0.070173387	0.277755036
1.25	7.303	26.302	0.106765884	0.384520920
1.50	7.814	34.116	0.114236426	0.498757346
1.75	9.796	43.912	0.143212187	0.641969533
2.00	6.282	50.194	0.091839420	0.733808953
2.25	4.444	54.638	0.064968861	0.798777814
2.50	4.130	58.768	0.060378352	0.859156165
2.75	3.195	61.963	0.046709161	0.905865326
3.00	2.107	64.070	0.030803193	0.936668518
3.25	0.909	64.979	0.013289085	0.949957604
3.50	1.243	66.222	0.018171983	0.968129587
3.75	0.904	67.126	0.013215988	0.981345575
4.00	0.675	67.801	0.009868133	0.991213707
PAN	0.601	68.402	0.008786293	1.0

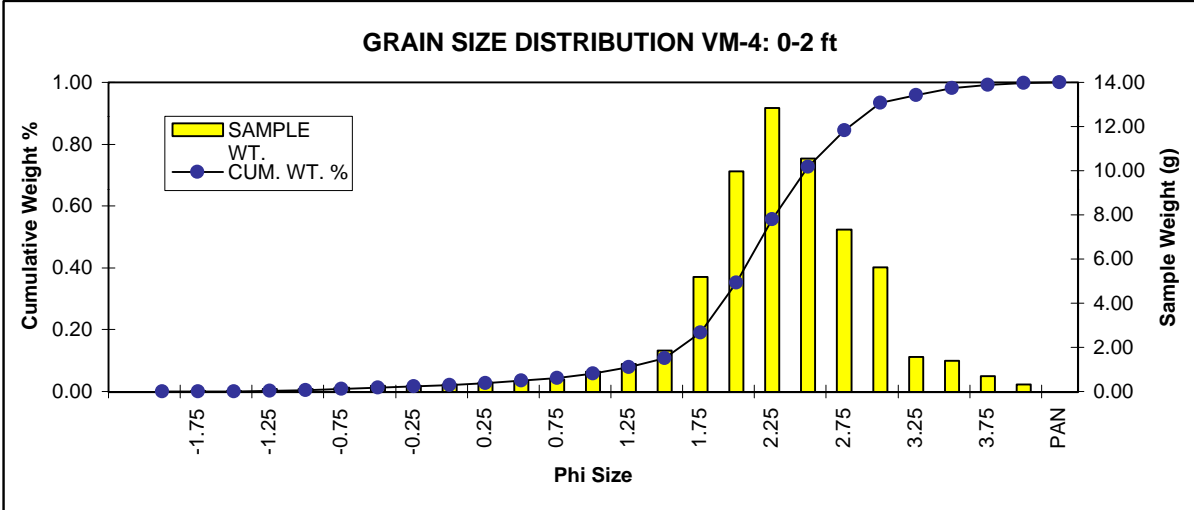
<b>TOTAL WT.</b>	68.402	grams	
<b>MEDIAN WT.</b>	34.201	grams	
<b>MEAN GRAIN SIZE</b>	1.51	phi	0.3511 mm



# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-4: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.032	0.032	0.000513528	0.000513528
-1.50	0.026	0.058	0.000417242	0.000930770
-1.25	0.122	0.180	0.001957826	0.002888596
-1.00	0.122	0.302	0.001957826	0.004846423
-0.75	0.164	0.466	0.002631832	0.007478255
-0.50	0.260	0.726	0.004172417	0.011650672
-0.25	0.272	0.998	0.004364990	0.016015663
0.00	0.313	1.311	0.005022948	0.021038611
0.25	0.398	1.709	0.006387008	0.027425619
0.50	0.473	2.182	0.007590590	0.035016208
0.75	0.547	2.729	0.008778124	0.043794332
1.00	0.901	3.630	0.014459030	0.058253362
1.25	1.249	4.879	0.020043650	0.078297012
1.50	1.854	6.733	0.029752544	0.108049555
1.75	5.185	11.918	0.083207626	0.191257181
2.00	9.970	21.888	0.159996149	0.351253330
2.25	12.830	34.718	0.205892737	0.557146067
2.50	10.555	45.273	0.169384087	0.726530154
2.75	7.322	52.595	0.117501685	0.844031839
3.00	5.627	58.222	0.090300735	0.934332574
3.25	1.553	59.775	0.024922168	0.959254742
3.50	1.391	61.166	0.022322432	0.981577174
3.75	0.691	61.857	0.011089001	0.992666175
4.00	0.305	62.162	0.004894566	0.997560741
PAN	0.152	62.314	0.002439259	1.0
<b>TOTAL WT.</b>		62.314	grams	
<b>MEDIAN WT.</b>		31.157	grams	
<b>MEAN GRAIN SIZE</b>		2.18	phi	0.2207 mm

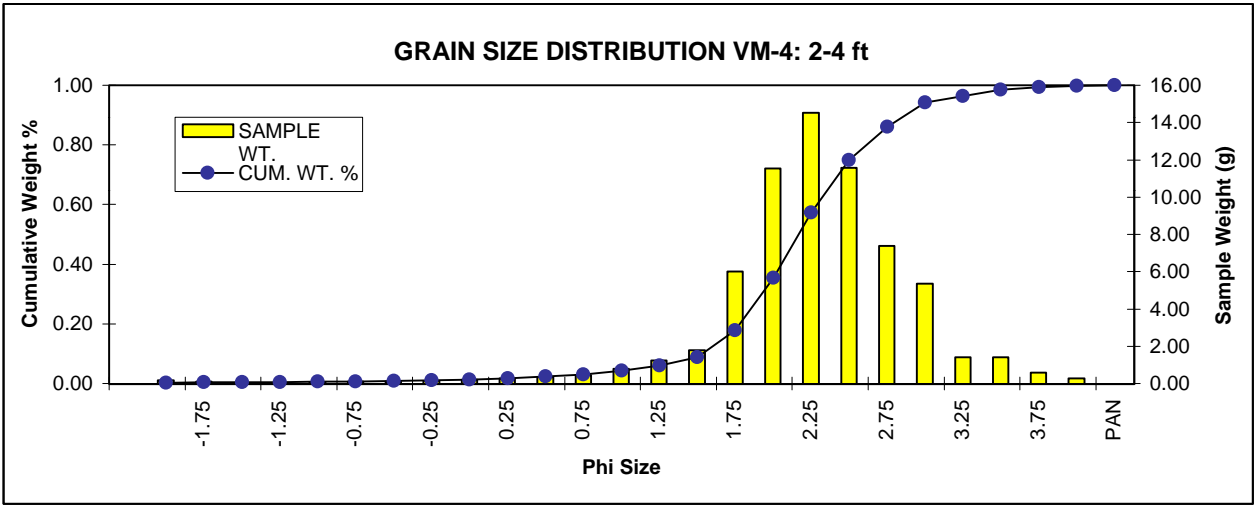


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-4: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.179	0.179	0.002712491	0.002712491
-1.75	0.097	0.276	0.001469897	0.004182389
-1.50	0.018	0.294	0.000272764	0.004455153
-1.25	0.034	0.328	0.000515222	0.004970375
-1.00	0.062	0.390	0.000939522	0.005909897
-0.75	0.103	0.493	0.001560819	0.007470716
-0.50	0.104	0.597	0.001575972	0.009046688
-0.25	0.131	0.728	0.001985119	0.011031807
0.00	0.191	0.919	0.002894334	0.013926141
0.25	0.277	1.196	0.004197542	0.018123684
0.50	0.338	1.534	0.005121911	0.023245594
0.75	0.451	1.985	0.006834265	0.030079859
1.00	0.798	2.783	0.012092558	0.042172417
1.25	1.237	4.020	0.018744980	0.060917398
1.50	1.779	5.799	0.026958222	0.087875619
1.75	6.006	11.805	0.091012411	0.178888030
2.00	11.522	23.327	0.174599567	0.353487597
2.25	14.527	37.854	0.220136079	0.573623676
2.50	11.554	49.408	0.175084481	0.748708157
2.75	7.393	56.801	0.112030428	0.860738586
3.00	5.366	62.167	0.081314119	0.942052704
3.25	1.411	63.578	0.021381704	0.963434408
3.50	1.424	65.002	0.021578700	0.985013108
3.75	0.593	65.595	0.008986074	0.993999182
4.00	0.271	65.866	0.004106621	0.998105802
PAN	0.125	65.991	0.001894198	1.0

<b>TOTAL WT.</b>	65.991	grams	
<b>MEDIAN WT.</b>	32.996	grams	
<b>MEAN GRAIN SIZE</b>	2.17	phi	0.2222 mm



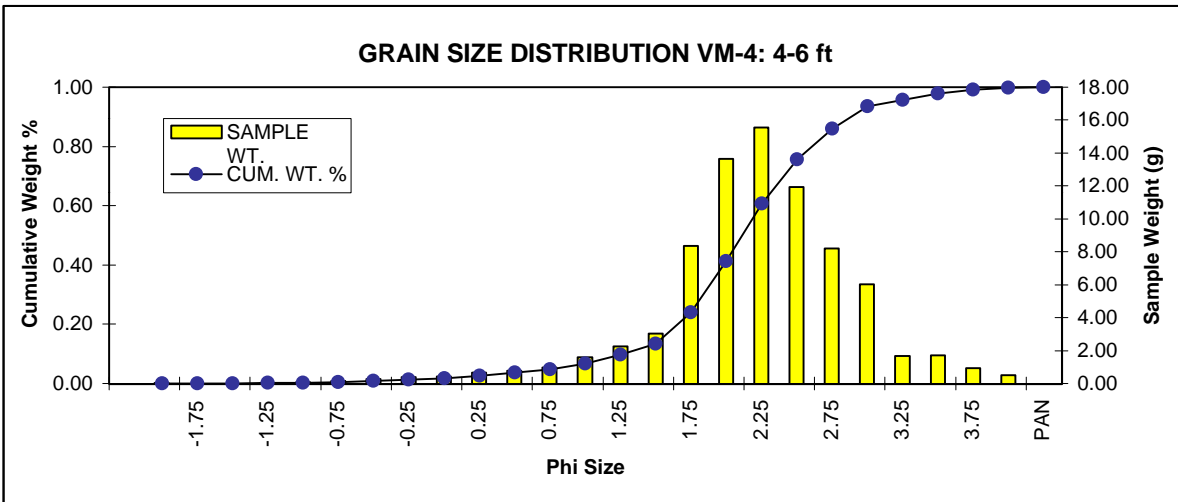


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-4: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.056	0.056	0.000703827	0.000703827
-1.75	0.000	0.056	0.000000000	0.000703827
-1.50	0.009	0.065	0.000113115	0.000816942
-1.25	0.030	0.095	0.000377050	0.001193992
-1.00	0.096	0.191	0.001206561	0.002400553
-0.75	0.138	0.329	0.001734431	0.004134984
-0.50	0.273	0.602	0.003431157	0.007566141
-0.25	0.383	0.985	0.004813674	0.012379815
0.00	0.435	1.420	0.005467228	0.017847043
0.25	0.649	2.069	0.008156853	0.026003896
0.50	0.787	2.856	0.009891284	0.035895180
0.75	0.971	3.827	0.012203858	0.048099039
1.00	1.586	5.413	0.019933388	0.068032426
1.25	2.258	7.671	0.028379313	0.096411739
1.50	3.039	10.710	0.038195186	0.134606925
1.75	8.370	19.080	0.105197009	0.239803934
2.00	13.665	32.745	0.171746371	0.411550305
2.25	15.544	48.289	0.195362282	0.606912587
2.50	11.942	60.231	0.150091120	0.757003708
2.75	8.212	68.443	0.103211211	0.860214919
3.00	6.035	74.478	0.075849934	0.936064853
3.25	1.685	76.163	0.021177653	0.957242506
3.50	1.728	77.891	0.021718092	0.978960598
3.75	0.944	78.835	0.011864513	0.990825112
4.00	0.486	79.321	0.006108213	0.996933325
PAN	0.244	79.565	0.003066675	1.0

<b>TOTAL WT.</b>	79.565	grams	
<b>MEDIAN WT.</b>	39.783	grams	
<b>MEAN GRAIN SIZE</b>	2.11	phi	0.2316 mm

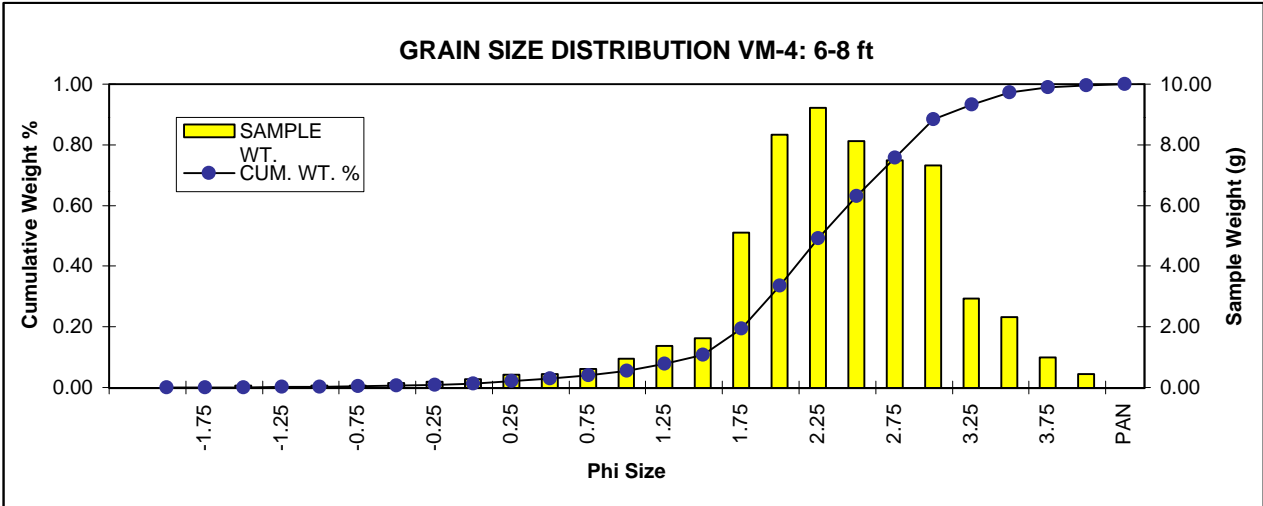


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-4: 6-8 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	0.060	0.060	0.001021485	0.001021485
-1.25	0.003	0.063	0.000051074	0.001072560
-1.00	0.070	0.133	0.001191733	0.002264292
-0.75	0.058	0.191	0.000987436	0.003251728
-0.50	0.155	0.346	0.002638837	0.005890565
-0.25	0.180	0.526	0.003064456	0.008955021
0.00	0.275	0.801	0.004681807	0.013636828
0.25	0.428	1.229	0.007286595	0.020923423
0.50	0.448	1.677	0.007627090	0.028550512
0.75	0.618	2.295	0.010521298	0.039071810
1.00	0.957	3.252	0.016292690	0.055364500
1.25	1.378	4.630	0.023460111	0.078824611
1.50	1.635	6.265	0.027835473	0.106660084
1.75	5.105	11.370	0.086911369	0.193571453
2.00	8.340	19.710	0.141986448	0.335557901
2.25	9.218	28.928	0.156934182	0.492492083
2.50	8.117	37.045	0.138189928	0.630682012
2.75	7.491	44.536	0.127532432	0.758214444
3.00	7.326	51.862	0.124723348	0.882937792
3.25	2.929	54.791	0.049865504	0.932803296
3.50	2.330	57.121	0.039667677	0.972470973
3.75	0.987	58.108	0.016803432	0.989274405
4.00	0.434	58.542	0.007388743	0.996663148
PAN	0.196	58.738	0.003336852	1.0

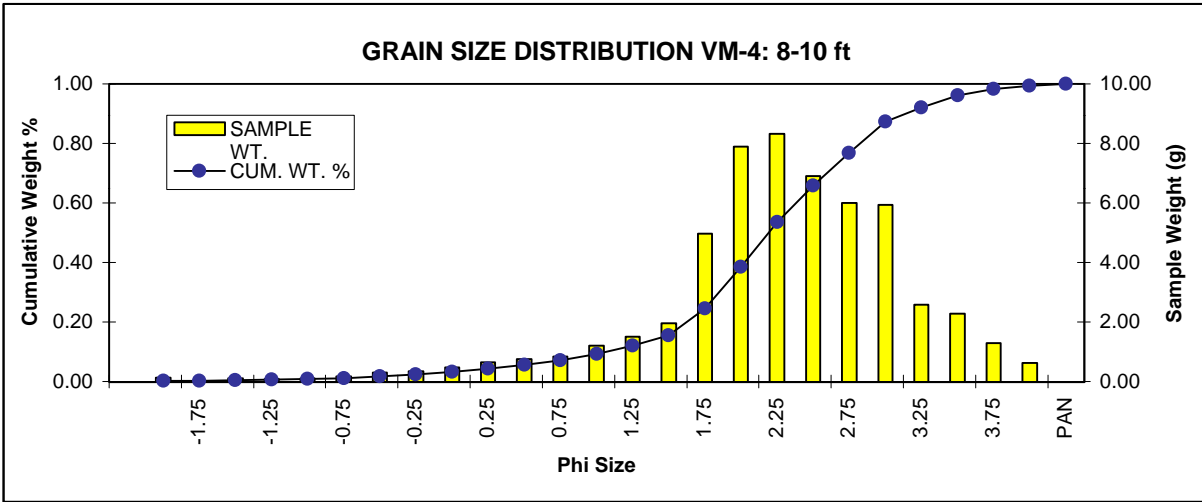
<b>TOTAL WT.</b>	58.738	grams	
<b>MEDIAN WT.</b>	29.369	grams	
<b>MEAN GRAIN SIZE</b>	2.26	phi	0.2088 mm



# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-4: 8-10 ft

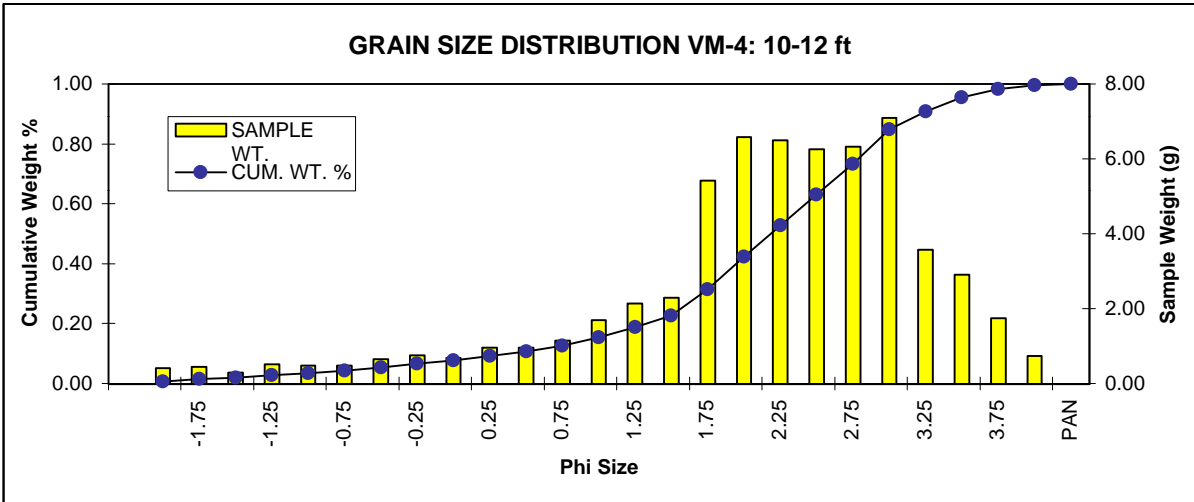
PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.137	0.137	0.002458590	0.002458590
-1.75	0.029	0.166	0.000520431	0.002979021
-1.50	0.103	0.269	0.001848429	0.004827450
-1.25	0.096	0.365	0.001722807	0.006550258
-1.00	0.117	0.482	0.002099672	0.008649929
-0.75	0.168	0.650	0.003014913	0.011664842
-0.50	0.297	0.947	0.005329936	0.016994778
-0.25	0.349	1.296	0.006263123	0.023257901
0.00	0.476	1.772	0.008542254	0.031800154
0.25	0.636	2.408	0.011413599	0.043213754
0.50	0.744	3.152	0.013351758	0.056565512
0.75	0.829	3.981	0.014877160	0.071442672
1.00	1.211	5.192	0.021732498	0.093175170
1.25	1.502	6.694	0.026954758	0.120129928
1.50	1.955	8.649	0.035084256	0.155214184
1.75	4.971	13.620	0.089209124	0.244423308
2.00	7.884	21.504	0.141485563	0.385908871
2.25	8.319	29.823	0.149292034	0.535200904
2.50	6.902	36.725	0.123862678	0.659063582
2.75	5.999	42.724	0.107657520	0.766721103
3.00	5.932	48.656	0.106455144	0.873176247
3.25	2.579	51.235	0.046282505	0.919458751
3.50	2.286	53.521	0.041024353	0.960483104
3.75	1.284	54.805	0.023042550	0.983525654
4.00	0.618	55.423	0.011090573	0.994616227
PAN	0.300	55.723	0.005383773	1.0
<b>TOTAL WT.</b>		55.723	grams	
<b>MEDIAN WT.</b>		27.862	grams	
<b>MEAN GRAIN SIZE</b>		2.19	phi	0.2192 mm



# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-4: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.406	0.406	0.006619170	0.006619170
-1.75	0.450	0.856	0.007336518	0.013955687
-1.50	0.288	1.144	0.004695371	0.018651059
-1.25	0.505	1.649	0.008233203	0.026884262
-1.00	0.472	2.121	0.007695192	0.034579454
-0.75	0.486	2.607	0.007923439	0.042502894
-0.50	0.645	3.252	0.010515676	0.053018570
-0.25	0.746	3.998	0.012162316	0.065180886
0.00	0.687	4.685	0.011200417	0.076381303
0.25	0.963	5.648	0.015700148	0.092081452
0.50	0.962	6.610	0.015683845	0.107765297
0.75	1.146	7.756	0.018683666	0.126448962
1.00	1.687	9.443	0.027503791	0.153952753
1.25	2.142	11.585	0.034921825	0.188874578
1.50	2.293	13.878	0.037383635	0.226258213
1.75	5.424	19.302	0.088429496	0.314687709
2.00	6.588	25.890	0.107406622	0.422094331
2.25	6.501	32.391	0.105988229	0.528082560
2.50	6.262	38.653	0.102091723	0.630174283
2.75	6.331	44.984	0.103216656	0.733390939
3.00	7.102	52.086	0.115786556	0.849177495
3.25	3.576	55.662	0.058300862	0.907478357
3.50	2.902	58.564	0.047312389	0.954790746
3.75	1.741	60.305	0.028384173	0.983174919
4.00	0.736	61.041	0.011999283	0.995174202
PAN	0.296	61.337	0.004825798	1.0
<b>TOTAL WT.</b>		61.337	grams	
<b>MEDIAN WT.</b>		30.669	grams	
<b>MEAN GRAIN SIZE</b>		2.18	phi	0.2207 mm

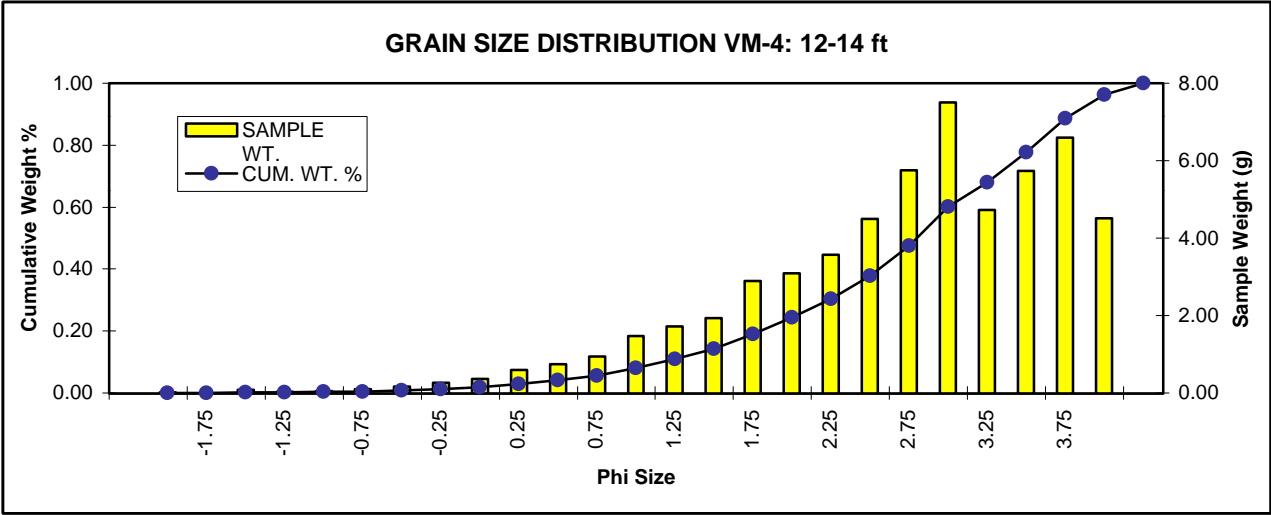


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-4: 12-14 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.017	0.017	0.000284991	0.000284991
-1.75	0.000	0.017	0.000000000	0.000284991
-1.50	0.077	0.094	0.001290842	0.001575833
-1.25	0.036	0.130	0.000603510	0.002179343
-1.00	0.057	0.187	0.000955558	0.003134901
-0.75	0.095	0.282	0.001592597	0.004727498
-0.50	0.158	0.440	0.002648740	0.007376238
-0.25	0.268	0.708	0.004492800	0.011869038
0.00	0.371	1.079	0.006219510	0.018088548
0.25	0.598	1.677	0.010024979	0.028113527
0.50	0.740	2.417	0.012405492	0.040519019
0.75	0.948	3.365	0.015892441	0.056411460
1.00	1.470	4.835	0.024643342	0.081054802
1.25	1.726	6.561	0.028934972	0.109989774
1.50	1.940	8.501	0.032522506	0.142512280
1.75	2.890	11.391	0.048448475	0.190960755
2.00	3.094	14.485	0.051868368	0.242829123
2.25	3.577	18.062	0.059965466	0.302794589
2.50	4.495	22.557	0.075354981	0.378149570
2.75	5.744	28.301	0.096293440	0.474443010
3.00	7.504	35.805	0.125798394	0.600241404
3.25	4.734	40.539	0.079361620	0.679603024
3.50	5.743	46.282	0.096276676	0.775879700
3.75	6.588	52.870	0.110442407	0.886322107
4.00	4.518	57.388	0.075740558	0.962062664
PAN	2.263	59.651	0.037937336	1.0

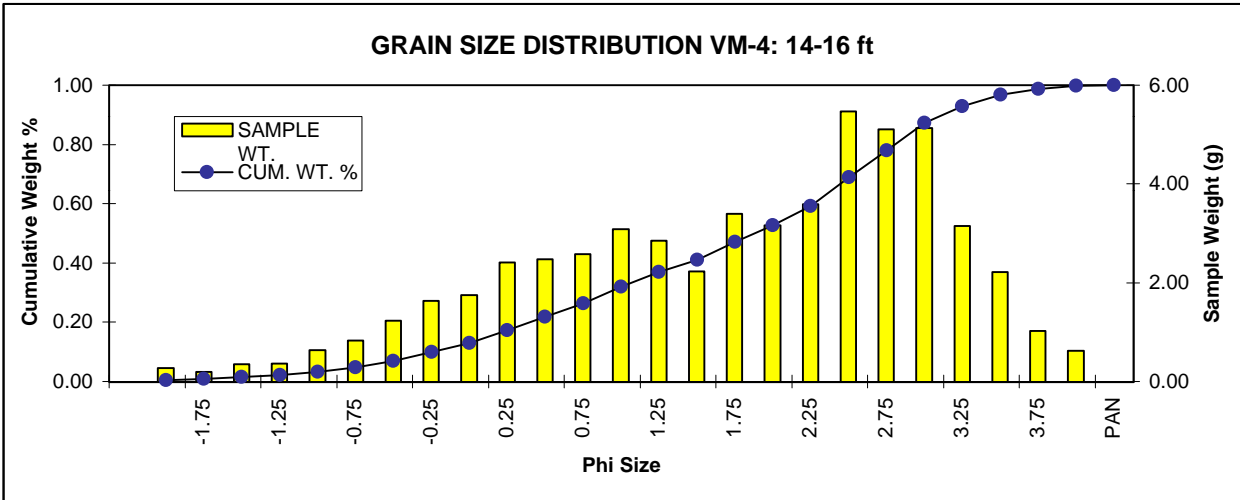
<b>TOTAL WT.</b>	59.651	grams	
<b>MEDIAN WT.</b>	29.826	grams	
<b>MEAN GRAIN SIZE</b>	2.8	phi	0.1436 mm



# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-4: 14-16 ft

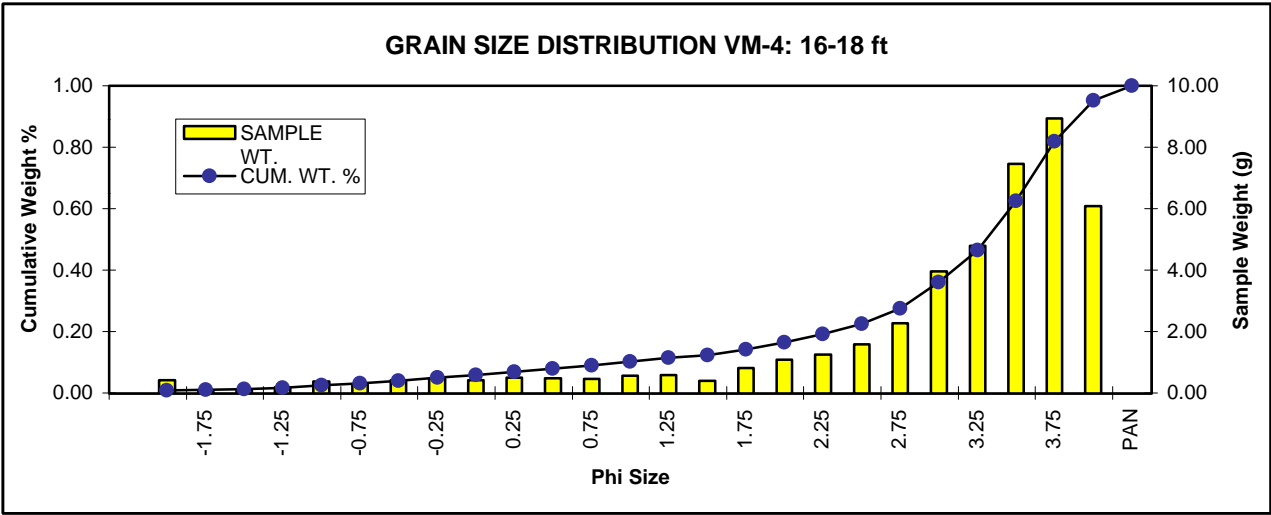
PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.278	0.278	0.004969166	0.004969166
-1.75	0.200	0.478	0.003574940	0.008544106
-1.50	0.345	0.823	0.006166771	0.014710877
-1.25	0.368	1.191	0.006577889	0.021288766
-1.00	0.640	1.831	0.011439807	0.032728573
-0.75	0.823	2.654	0.014710877	0.047439449
-0.50	1.234	3.888	0.022057378	0.069496827
-0.25	1.632	5.520	0.029171508	0.098668335
0.00	1.752	7.272	0.031316472	0.129984807
0.25	2.415	9.687	0.043167397	0.173152203
0.50	2.480	12.167	0.044329252	0.217481455
0.75	2.584	14.751	0.046188221	0.263669676
1.00	3.090	17.841	0.055232818	0.318902494
1.25	2.853	20.694	0.050996514	0.369899008
1.50	2.234	22.928	0.039932076	0.409831084
1.75	3.401	26.329	0.060791849	0.470622933
2.00	3.161	29.490	0.056501922	0.527124855
2.25	3.595	33.085	0.064259541	0.591384395
2.50	5.470	38.555	0.097774600	0.689158995
2.75	5.112	43.667	0.091375458	0.780534453
3.00	5.137	48.804	0.091822325	0.872356779
3.25	3.149	51.953	0.056287425	0.928644204
3.50	2.216	54.169	0.039610332	0.968254536
3.75	1.019	55.188	0.018214318	0.986468853
4.00	0.622	55.810	0.011118062	0.997586916
PAN	0.135	55.945	0.002413084	1.0
<b>TOTAL WT.</b>		55.945	grams	
<b>MEDIAN WT.</b>		27.973	grams	
<b>MEAN GRAIN SIZE</b>		1.88	phi	0.2717 mm



# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-4: 16-18 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.409	0.409	0.008861829	0.008861829
-1.75	0.036	0.445	0.000780014	0.009641843
-1.50	0.125	0.570	0.002708383	0.012350226
-1.25	0.179	0.749	0.003878404	0.016228631
-1.00	0.368	1.117	0.007973480	0.024202110
-0.75	0.279	1.396	0.006045111	0.030247221
-0.50	0.409	1.805	0.008861829	0.039109050
-0.25	0.475	2.280	0.010291855	0.049400906
0.00	0.424	2.704	0.009186835	0.058587741
0.25	0.490	3.194	0.010616861	0.069204602
0.50	0.476	3.670	0.010313522	0.079518124
0.75	0.466	4.136	0.010096852	0.089614976
1.00	0.568	4.704	0.012306892	0.101921869
1.25	0.587	5.291	0.012718567	0.114640435
1.50	0.400	5.691	0.008666826	0.123307261
1.75	0.819	6.510	0.017745325	0.141052586
2.00	1.084	7.594	0.023487097	0.164539683
2.25	1.253	8.847	0.027148831	0.191688514
2.50	1.577	10.424	0.034168960	0.225857474
2.75	2.270	12.694	0.049184235	0.275041709
3.00	3.952	16.646	0.085628237	0.360669946
3.25	4.789	21.435	0.103763569	0.464433515
3.50	7.458	28.893	0.161592963	0.626026477
3.75	8.937	37.830	0.193638550	0.819665027
4.00	6.074	43.904	0.131605746	0.951270773
PAN	2.249	46.153	0.048729227	1.0
<b>TOTAL WT.</b>		46.153	grams	
<b>MEDIAN WT.</b>		23.077	grams	
<b>MEAN GRAIN SIZE</b>		3.31	phi	0.1008 mm

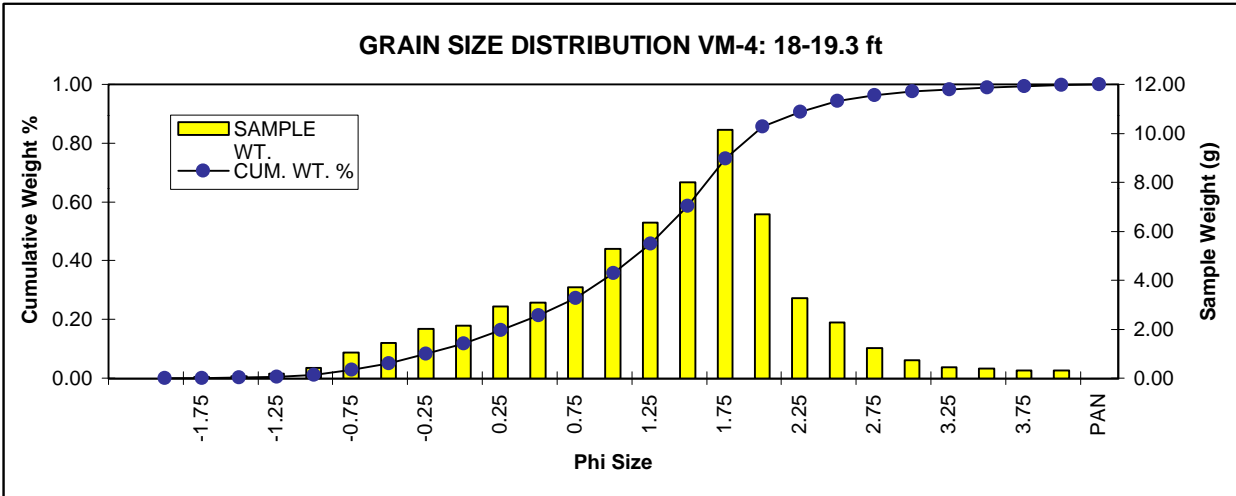


# GRAIN SIZE DISTRIBUTION CHART

CORE : VM-4: 18-19.3 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.062	0.062	0.000989988	0.000989988
-1.50	0.078	0.140	0.001245469	0.002235458
-1.25	0.175	0.315	0.002794322	0.005029779
-1.00	0.409	0.724	0.006530730	0.011560509
-0.75	1.039	1.763	0.016590289	0.028150798
-0.50	1.434	3.197	0.022897472	0.051048270
-0.25	2.017	5.214	0.032206556	0.083254826
0.00	2.138	7.352	0.034138630	0.117393456
0.25	2.937	10.289	0.046896706	0.164290162
0.50	3.079	13.368	0.049164099	0.213454261
0.75	3.703	17.071	0.059127852	0.272582113
1.00	5.275	22.346	0.084228847	0.356810960
1.25	6.350	28.696	0.101393967	0.458204928
1.50	8.013	36.709	0.127948010	0.586152937
1.75	10.152	46.861	0.162102608	0.748255545
2.00	6.694	53.555	0.106886806	0.855142351
2.25	3.269	56.824	0.052197934	0.907340285
2.50	2.263	59.087	0.036134575	0.943474859
2.75	1.237	60.324	0.019751864	0.963226723
3.00	0.735	61.059	0.011736152	0.974962875
3.25	0.454	61.513	0.007249269	0.982212145
3.50	0.382	61.895	0.006099606	0.988311751
3.75	0.315	62.210	0.005029779	0.993341530
4.00	0.326	62.536	0.005205423	0.998546953
PAN	0.091	62.627	0.001453047	1.0

<b>TOTAL WT.</b>	62.627	grams	
<b>MEDIAN WT.</b>	31.314	grams	
<b>MEAN GRAIN SIZE</b>	1.33	phi	0.3978 mm



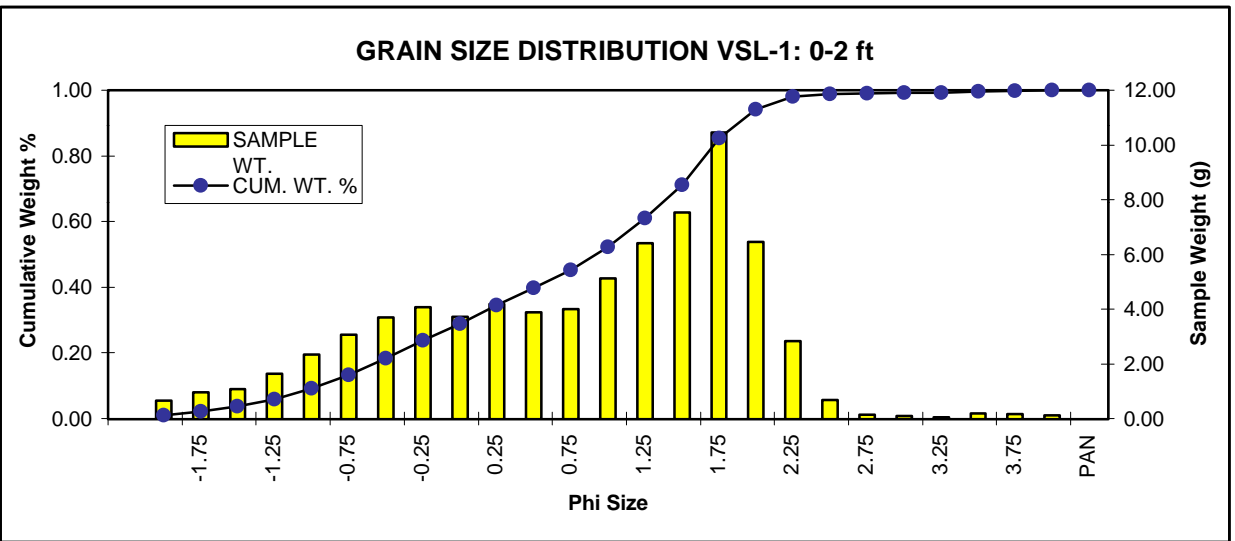


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-1: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.665	0.665	0.009029560	0.009029560
-1.75	0.970	1.635	0.013170937	0.022200497
-1.50	1.086	2.721	0.014746018	0.036946515
-1.25	1.635	4.356	0.022200497	0.059147012
-1.00	2.347	6.703	0.031868236	0.091015248
-0.75	3.071	9.774	0.041698915	0.132714164
-0.50	3.701	13.475	0.050253235	0.182967399
-0.25	4.063	17.538	0.055168574	0.238135973
0.00	3.719	21.257	0.050497644	0.288633617
0.25	4.189	25.446	0.056879438	0.345513056
0.50	3.887	29.333	0.052778796	0.398291852
0.75	4.004	33.337	0.054367456	0.452659307
1.00	5.131	38.468	0.069670183	0.522329491
1.25	6.403	44.871	0.086941763	0.609271253
1.50	7.525	52.396	0.102176599	0.711447853
1.75	10.454	62.850	0.141947398	0.853395250
2.00	6.462	69.312	0.087742882	0.941138132
2.25	2.832	72.144	0.038453705	0.979591837
2.50	0.685	72.829	0.009301126	0.988892962
2.75	0.147	72.976	0.001996008	0.990888970
3.00	0.084	73.060	0.001140576	0.992029546
3.25	0.050	73.110	0.000678914	0.992708461
3.50	0.196	73.306	0.002661344	0.995369805
3.75	0.174	73.480	0.002362622	0.997732426
4.00	0.106	73.586	0.001439298	0.999171725
PAN	0.061	73.647	0.000828275	1.0

<b>TOTAL WT.</b>	73.647	grams	
<b>MEDIAN WT.</b>	36.824	grams	
<b>MEAN GRAIN SIZE</b>	0.92	phi	0.5285 mm

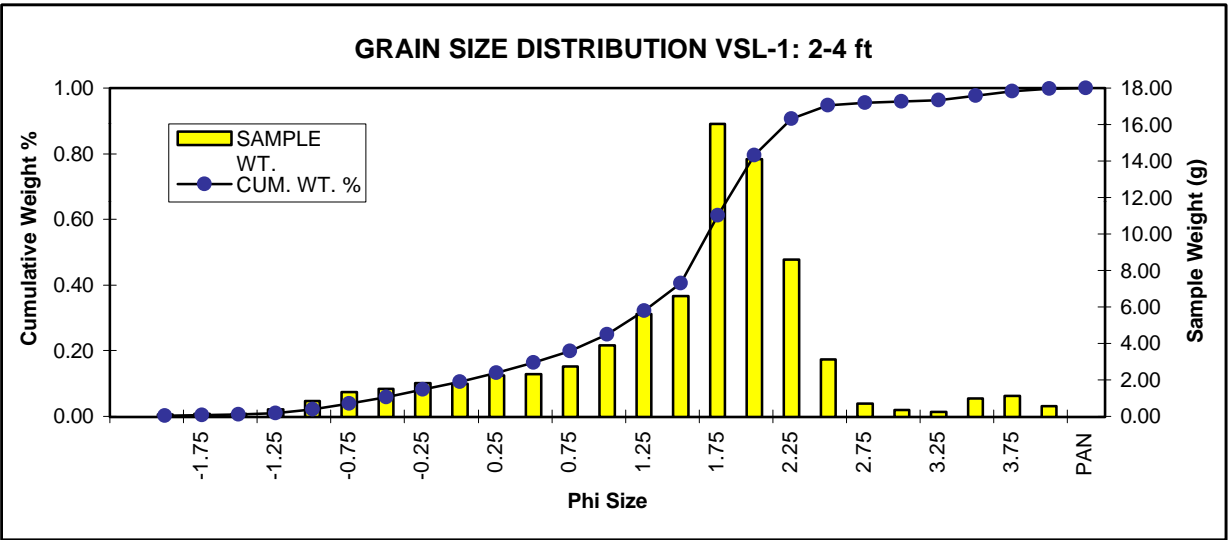


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-1: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.114	0.114	0.001471290	0.001471290
-1.75	0.127	0.241	0.001639069	0.003110360
-1.50	0.148	0.389	0.001910096	0.005020456
-1.25	0.391	0.780	0.005046268	0.010066724
-1.00	0.853	1.633	0.011008866	0.021075591
-0.75	1.337	2.970	0.017255398	0.038330989
-0.50	1.517	4.487	0.019578488	0.057909477
-0.25	1.817	6.304	0.023450305	0.081359782
0.00	1.779	8.083	0.022959875	0.104319657
0.25	2.251	10.334	0.029051534	0.133371191
0.50	2.304	12.638	0.029735555	0.163106746
0.75	2.727	15.365	0.035194817	0.198301563
1.00	3.910	19.275	0.050462682	0.248764245
1.25	5.599	24.874	0.072261012	0.321025257
1.50	6.582	31.456	0.084947666	0.405972923
1.75	16.037	47.493	0.206974433	0.612947356
2.00	14.119	61.612	0.182220616	0.795167972
2.25	8.591	70.203	0.110875934	0.906043906
2.50	3.128	73.331	0.040370146	0.946414052
2.75	0.688	74.019	0.008879367	0.955293419
3.00	0.361	74.380	0.004659087	0.959952506
3.25	0.231	74.611	0.002981299	0.962933805
3.50	0.995	75.606	0.012841527	0.975775331
3.75	1.115	76.721	0.014390253	0.990165585
4.00	0.552	77.273	0.007124143	0.997289728
PAN	0.210	77.483	0.002710272	1.0

<b>TOTAL WT.</b>	77.483	grams	
<b>MEDIAN WT.</b>	38.742	grams	
<b>MEAN GRAIN SIZE</b>	1.61	phi	0.3276 mm

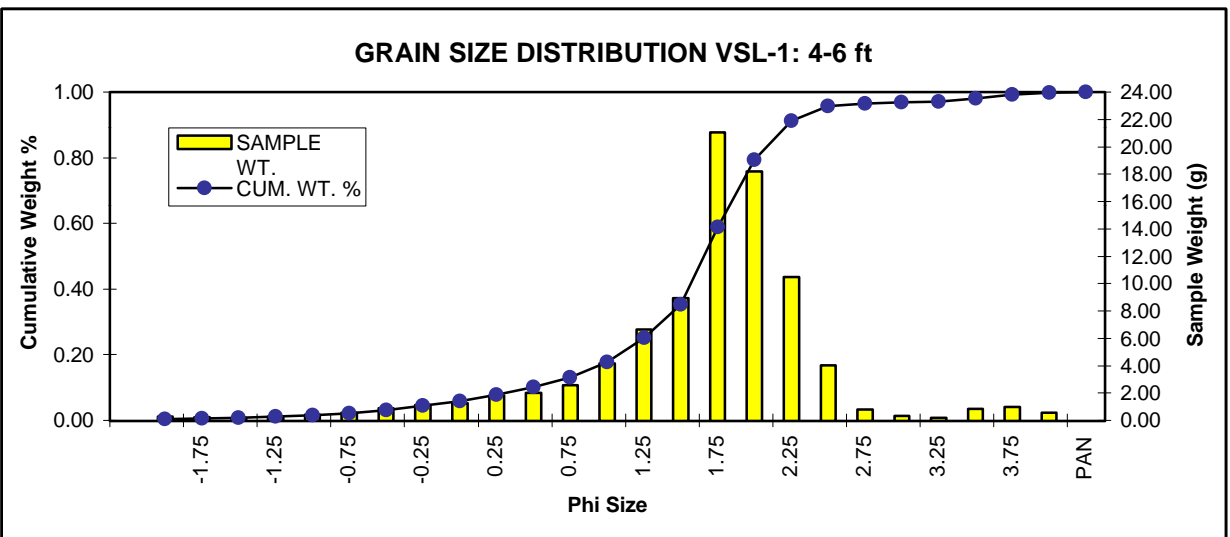


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-1: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.265	0.265	0.002979336	0.002979336
-1.75	0.222	0.487	0.002495896	0.005475232
-1.50	0.197	0.684	0.002214827	0.007690059
-1.25	0.281	0.965	0.003159220	0.010849279
-1.00	0.440	1.405	0.004946822	0.015796101
-0.75	0.556	1.961	0.006250984	0.022047085
-0.50	0.867	2.828	0.009747487	0.031794572
-0.25	1.128	3.956	0.012681852	0.044476424
0.00	1.243	5.199	0.013974771	0.058451195
0.25	1.815	7.014	0.020405639	0.078856834
0.50	2.010	9.024	0.022597981	0.101454815
0.75	2.576	11.600	0.028961392	0.130416208
1.00	4.178	15.778	0.046972320	0.177388528
1.25	6.628	22.406	0.074517123	0.251905651
1.50	8.946	31.352	0.100577879	0.352483529
1.75	21.051	52.403	0.236671688	0.589155218
2.00	18.184	70.587	0.204438648	0.793593866
2.25	10.489	81.076	0.117925483	0.911519349
2.50	4.012	85.088	0.045106019	0.956625368
2.75	0.796	85.884	0.008949250	0.965574618
3.00	0.316	86.200	0.003552717	0.969127336
3.25	0.168	86.368	0.001888786	0.971016122
3.50	0.826	87.194	0.009286533	0.980302656
3.75	0.995	88.189	0.011186563	0.991489218
4.00	0.574	88.763	0.006453354	0.997942572
PAN	0.183	88.946	0.002057428	1.0

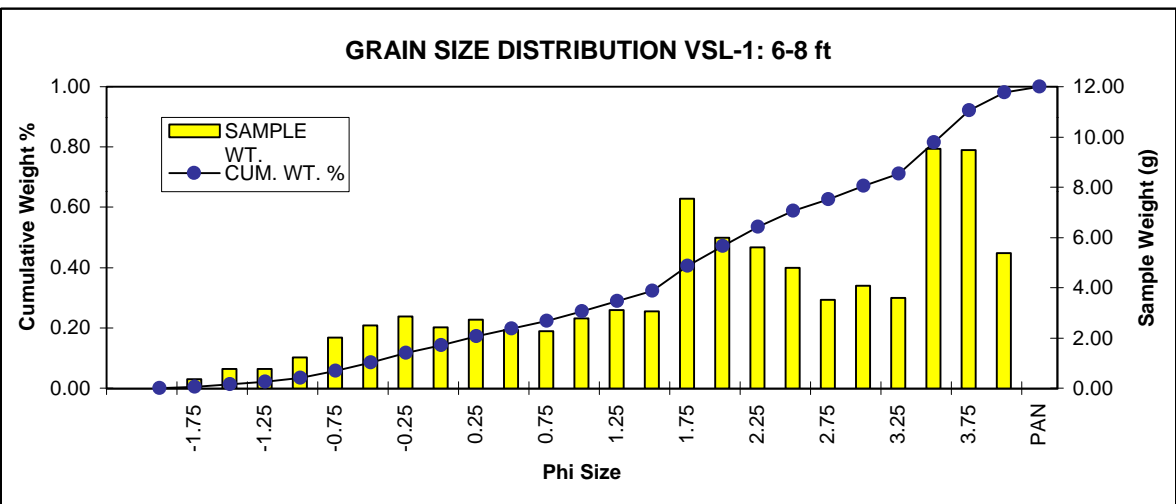
<b>TOTAL WT.</b>	88.946	grams	
<b>MEDIAN WT.</b>	44.473	grams	
<b>MEAN GRAIN SIZE</b>	1.66	phi	0.3164 mm



# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-1: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.348	0.348	0.003849898	0.003849898
-1.50	0.761	1.109	0.008418887	0.012268785
-1.25	0.756	1.865	0.008363572	0.020632357
-1.00	1.224	3.089	0.013541021	0.034173378
-0.75	2.017	5.106	0.022313922	0.056487300
-0.50	2.505	7.611	0.027712629	0.084199929
-0.25	2.855	10.466	0.031584654	0.115784583
0.00	2.432	12.898	0.026905036	0.142689619
0.25	2.723	15.621	0.030124347	0.172813966
0.50	2.313	17.934	0.025588548	0.198402513
0.75	2.260	20.194	0.025002213	0.223404726
1.00	2.778	22.972	0.030732808	0.254137534
1.25	3.116	26.088	0.034472077	0.288609611
1.50	3.062	29.150	0.033874679	0.322484291
1.75	7.541	36.691	0.083425524	0.405909815
2.00	5.977	42.668	0.066123108	0.472032923
2.25	5.617	48.285	0.062140455	0.534173378
2.50	4.784	53.069	0.052925038	0.587098416
2.75	3.516	56.585	0.038897248	0.625995663
3.00	4.073	60.658	0.045059297	0.671054961
3.25	3.586	64.244	0.039671652	0.710726613
3.50	9.536	73.780	0.105496062	0.816222675
3.75	9.475	83.255	0.104821223	0.921043898
4.00	5.366	88.621	0.059363661	0.980407558
PAN	1.771	90.392	0.019592442	1.0
<b>TOTAL WT.</b>		90.392	grams	
<b>MEDIAN WT.</b>		45.196	grams	
<b>MEAN GRAIN SIZE</b>		2.11	phi	0.2316 mm

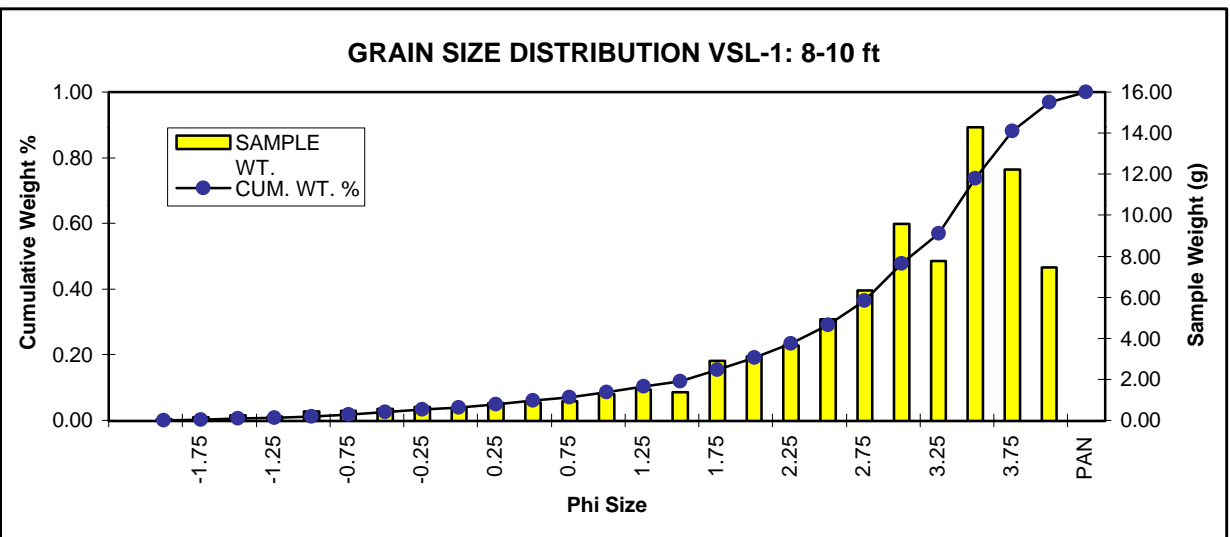


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-1: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.058	0.058	0.000680871	0.000680871
-1.75	0.142	0.200	0.001666960	0.002347831
-1.50	0.244	0.444	0.002864354	0.005212185
-1.25	0.200	0.644	0.002347831	0.007560016
-1.00	0.425	1.069	0.004989141	0.012549158
-0.75	0.459	1.528	0.005388273	0.017937430
-0.50	0.576	2.104	0.006761754	0.024699184
-0.25	0.657	2.761	0.007712625	0.032411810
0.00	0.626	3.387	0.007348712	0.039760521
0.25	0.843	4.230	0.009896108	0.049656630
0.50	0.868	5.098	0.010189587	0.059846217
0.75	0.938	6.036	0.011011328	0.070857545
1.00	1.268	7.304	0.014885250	0.085742795
1.25	1.501	8.805	0.017620473	0.103363268
1.50	1.387	10.192	0.016282209	0.119645477
1.75	2.907	13.099	0.034125726	0.153771204
2.00	3.130	16.229	0.036743558	0.190514762
2.25	3.648	19.877	0.042824441	0.233339203
2.50	4.914	24.791	0.057686212	0.291025415
2.75	6.330	31.121	0.074308857	0.365334272
3.00	9.575	40.696	0.112402418	0.477736691
3.25	7.762	48.458	0.091119329	0.568856019
3.50	14.299	62.757	0.167858191	0.736714210
3.75	12.240	74.997	0.143687269	0.880401479
4.00	7.458	82.455	0.087550625	0.967952104
PAN	2.730	85.185	0.032047896	1.0

<b>TOTAL WT.</b>	85.185	grams	
<b>MEDIAN WT.</b>	42.593	grams	
<b>MEAN GRAIN SIZE</b>	3.06	phi	0.1199 mm

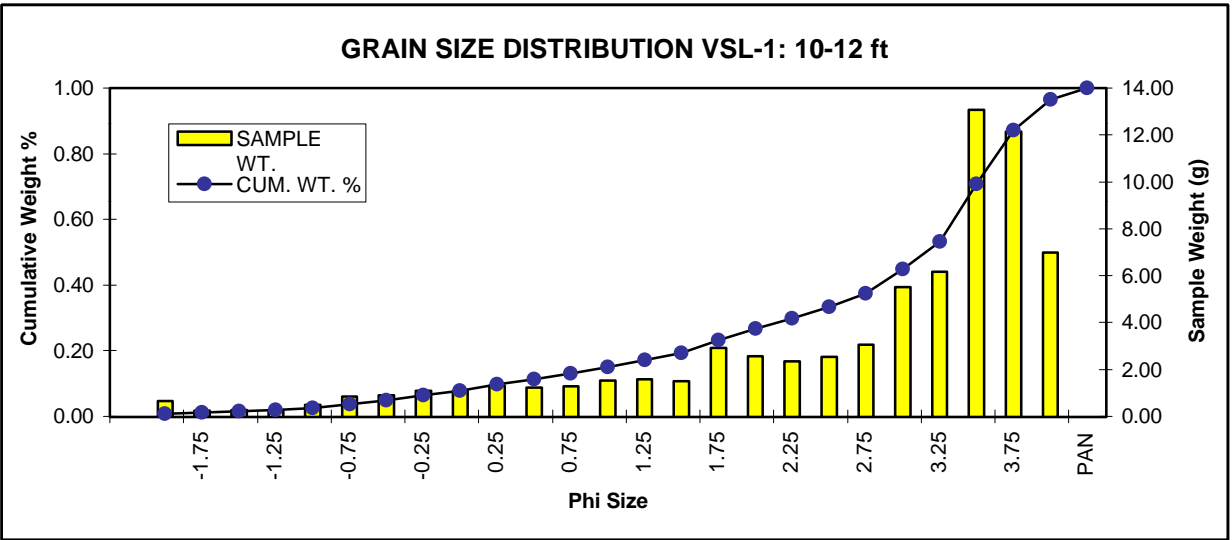


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-1: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.647	0.647	0.008719207	0.008719207
-1.75	0.247	0.894	0.003328662	0.012047868
-1.50	0.276	1.170	0.003719476	0.015767344
-1.25	0.259	1.429	0.003490378	0.019257722
-1.00	0.491	1.920	0.006616894	0.025874616
-0.75	0.850	2.770	0.011454908	0.037329524
-0.50	0.888	3.658	0.011967010	0.049296534
-0.25	1.089	4.747	0.014675759	0.063972293
0.00	1.104	5.851	0.014877904	0.078850197
0.25	1.319	7.170	0.017775322	0.096625519
0.50	1.221	8.391	0.016454639	0.113080157
0.75	1.275	9.666	0.017182362	0.130262520
1.00	1.536	11.202	0.020699693	0.150962212
1.25	1.584	12.786	0.021346558	0.172308770
1.50	1.513	14.299	0.020389736	0.192698507
1.75	2.923	17.222	0.039391407	0.232089914
2.00	2.574	19.796	0.034688157	0.266778071
2.25	2.350	22.146	0.031669452	0.298447523
2.50	2.532	24.678	0.034122150	0.332569673
2.75	3.051	27.729	0.041116382	0.373686055
3.00	5.522	33.251	0.074416474	0.448102528
3.25	6.178	39.429	0.083256967	0.531359495
3.50	13.084	52.513	0.176324726	0.707684222
3.75	12.157	64.670	0.163832138	0.871516360
4.00	6.985	71.655	0.094132392	0.965648752
PAN	2.549	74.204	0.034351248	1.0

<b>TOTAL WT.</b>	74.204	grams	
<b>MEDIAN WT.</b>	37.102	grams	
<b>MEAN GRAIN SIZE</b>	3.16	phi	0.1119 mm

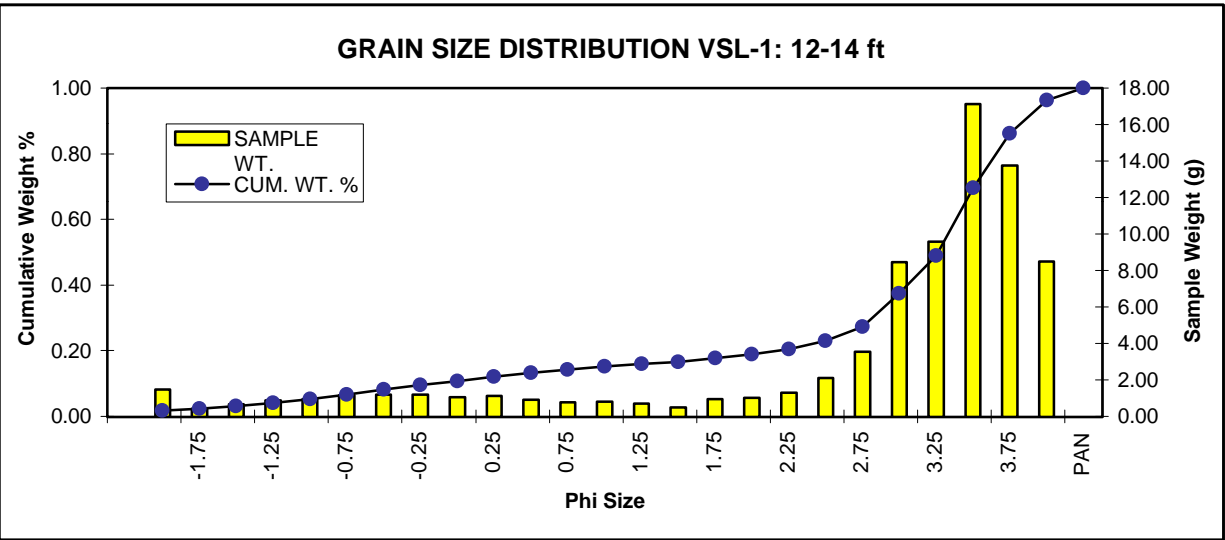


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-1: 12-14 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.465	1.465	0.017623848	0.017623848
-1.75	0.425	1.890	0.005112720	0.022736569
-1.50	0.676	2.566	0.008132233	0.030868802
-1.25	0.886	3.452	0.010658518	0.041527320
-1.00	0.930	4.382	0.011187835	0.052715155
-0.75	1.167	5.549	0.014038929	0.066754084
-0.50	1.179	6.728	0.014183288	0.080937372
-0.25	1.190	7.918	0.014315617	0.095252989
0.00	1.044	8.962	0.012559247	0.107812237
0.25	1.139	10.101	0.013702091	0.121514328
0.50	0.907	11.008	0.010911147	0.132425475
0.75	0.783	11.791	0.009419436	0.141844910
1.00	0.794	12.585	0.009551765	0.151396675
1.25	0.718	13.303	0.008637490	0.160034165
1.50	0.477	13.780	0.005738277	0.165772442
1.75	0.958	14.738	0.011524673	0.177297115
2.00	1.001	15.739	0.012041960	0.189339076
2.25	1.313	17.052	0.015795299	0.205134374
2.50	2.116	19.168	0.025455333	0.230589707
2.75	3.548	22.716	0.042682193	0.273271900
3.00	8.451	31.167	0.101664942	0.374936843
3.25	9.564	40.731	0.115054255	0.489991098
3.50	17.110	57.841	0.205832110	0.695823208
3.75	13.755	71.596	0.165471694	0.861294902
4.00	8.479	80.075	0.102001780	0.963296682
PAN	3.051	83.126	0.036703318	1.0

<b>TOTAL WT.</b>	83.126	grams	
<b>MEDIAN WT.</b>	41.563	grams	
<b>MEAN GRAIN SIZE</b>	3.26	phi	0.1044 mm

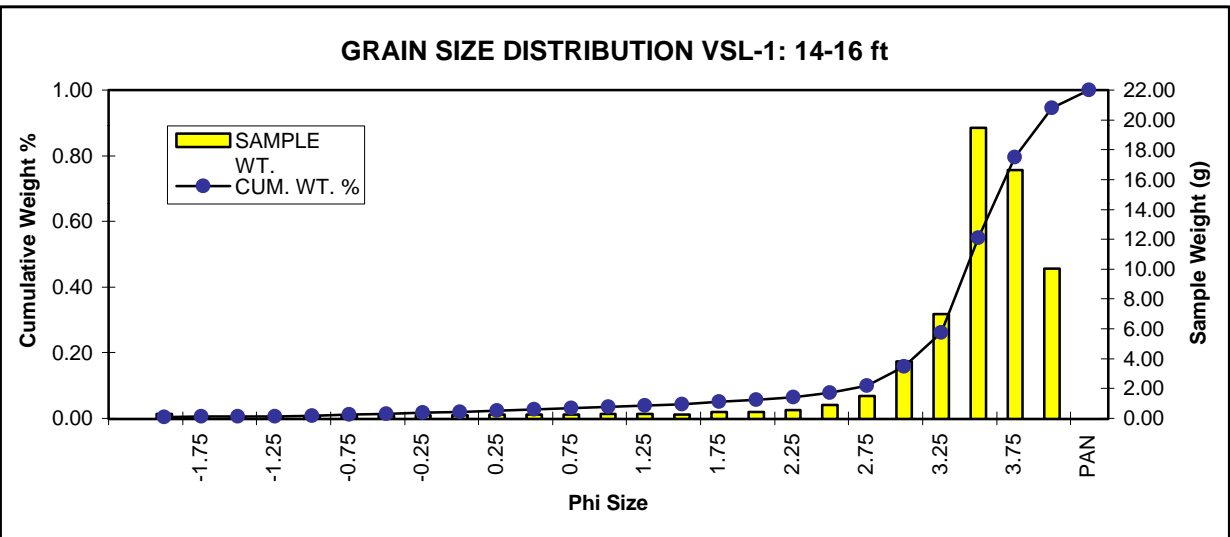


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-1: 14-16 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.296	0.296	0.004388956	0.004388956
-1.75	0.035	0.331	0.000518964	0.004907921
-1.50	0.043	0.374	0.000637585	0.005545506
-1.25	0.062	0.436	0.000919308	0.006464814
-1.00	0.112	0.548	0.001660686	0.008125500
-0.75	0.189	0.737	0.002802408	0.010927908
-0.50	0.191	0.928	0.002832063	0.013759972
-0.25	0.197	1.125	0.002921028	0.016681000
0.00	0.196	1.321	0.002906201	0.019587201
0.25	0.246	1.567	0.003647579	0.023234780
0.50	0.254	1.821	0.003766199	0.027000979
0.75	0.251	2.072	0.003721716	0.030722695
1.00	0.305	2.377	0.004522404	0.035245099
1.25	0.312	2.689	0.004626197	0.039871297
1.50	0.263	2.952	0.003899647	0.043770944
1.75	0.422	3.374	0.006257228	0.050028172
2.00	0.431	3.805	0.006390676	0.056418849
2.25	0.548	4.353	0.008125500	0.064544349
2.50	0.906	5.259	0.013433765	0.077978115
2.75	1.496	6.755	0.022182023	0.100160138
3.00	3.835	10.590	0.056863675	0.157023813
3.25	6.982	17.572	0.103525993	0.260549806
3.50	19.472	37.044	0.288722161	0.549271967
3.75	16.650	53.694	0.246878800	0.796150767
4.00	10.023	63.717	0.148616589	0.944767356
PAN	3.725	67.442	0.055232644	1.0

<b>TOTAL WT.</b>	67.442	grams	
<b>MEDIAN WT.</b>	33.721	grams	
<b>MEAN GRAIN SIZE</b>	3.46	phi	0.0909 mm



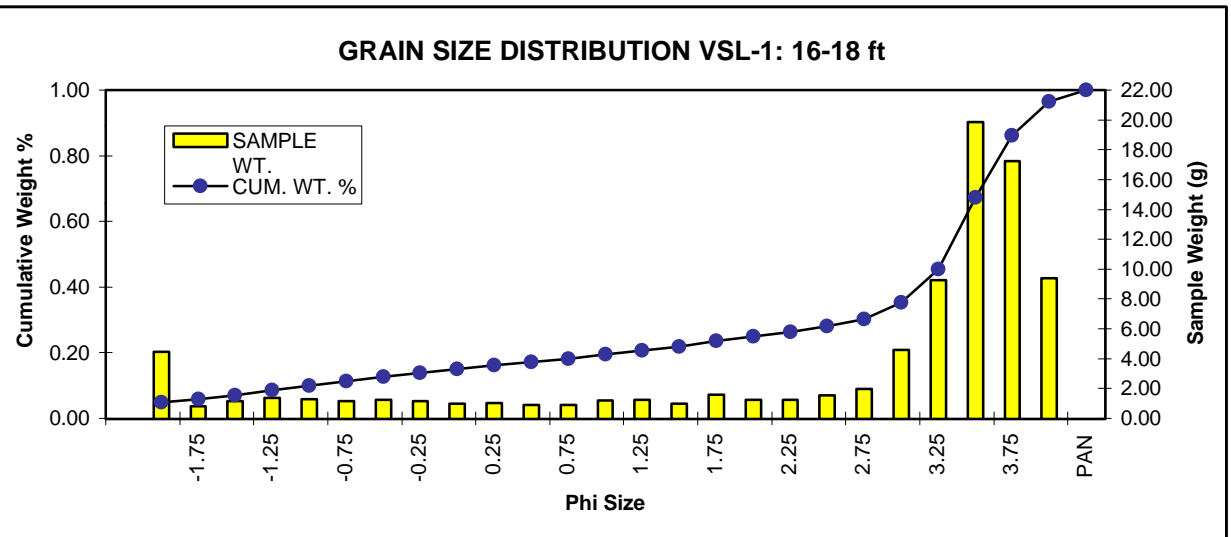


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-1: 16-18 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	4.440	4.440	0.048869615	0.048869615
-1.75	0.797	5.237	0.008772316	0.057641931
-1.50	1.144	6.381	0.012591631	0.070233562
-1.25	1.382	7.763	0.015211218	0.085444780
-1.00	1.269	9.032	0.013967464	0.099412244
-0.75	1.175	10.207	0.012932837	0.112345081
-0.50	1.250	11.457	0.013758338	0.126103419
-0.25	1.172	12.629	0.012899817	0.139003236
0.00	0.999	13.628	0.010995663	0.149998899
0.25	1.018	14.646	0.011204790	0.161203689
0.50	0.904	15.550	0.009950030	0.171153719
0.75	0.892	16.442	0.009817950	0.180971669
1.00	1.183	17.625	0.013020891	0.193992559
1.25	1.231	18.856	0.013549211	0.207541770
1.50	0.969	19.825	0.010665463	0.218207234
1.75	1.575	21.400	0.017335505	0.235542739
2.00	1.262	22.662	0.013890418	0.249433156
2.25	1.229	23.891	0.013527197	0.262960354
2.50	1.541	25.432	0.016961279	0.279921633
2.75	1.959	27.391	0.021562067	0.301483699
3.00	4.596	31.987	0.050586656	0.352070355
3.25	9.253	41.240	0.101844718	0.453915073
3.50	19.838	61.078	0.218350320	0.672265393
3.75	17.234	78.312	0.189688952	0.861954344
4.00	9.409	87.721	0.103561758	0.965516103
PAN	3.133	90.854	0.034483897	1.0

<b>TOTAL WT.</b>	90.854	grams	
<b>MEDIAN WT.</b>	45.427	grams	
<b>MEAN GRAIN SIZE</b>	3.3	phi	0.1015 mm

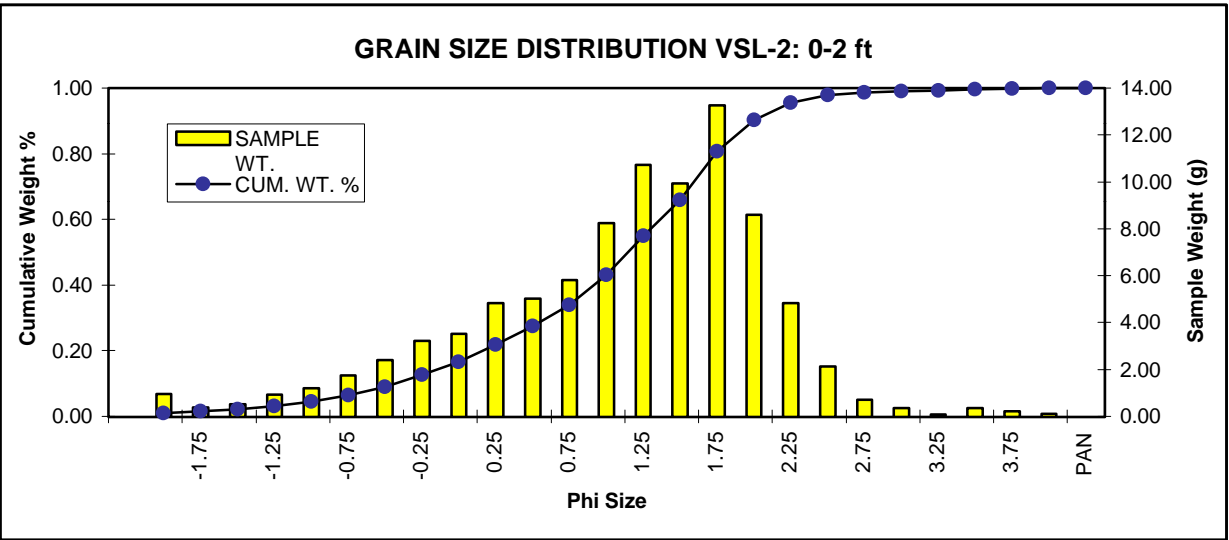


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-2: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.950	0.950	0.010537408	0.010537408
-1.75	0.387	1.337	0.004292607	0.014830015
-1.50	0.516	1.853	0.005723476	0.020553491
-1.25	0.937	2.790	0.010393212	0.030946703
-1.00	1.189	3.979	0.013188398	0.044135101
-0.75	1.735	5.714	0.019244634	0.063379735
-0.50	2.398	8.112	0.026598636	0.089978371
-0.25	3.229	11.341	0.035816095	0.125794465
0.00	3.522	14.863	0.039066053	0.164860518
0.25	4.834	19.697	0.053618768	0.218479286
0.50	5.013	24.710	0.055604237	0.274083523
0.75	5.819	30.529	0.064544396	0.338627919
1.00	8.239	38.768	0.091387056	0.430014974
1.25	10.714	49.482	0.118839776	0.548854750
1.50	9.947	59.429	0.110332206	0.659186956
1.75	13.268	72.697	0.147168765	0.806355721
2.00	8.605	81.302	0.095446731	0.901802451
2.25	4.830	86.132	0.053574400	0.955376851
2.50	2.142	88.274	0.023759082	0.979135933
2.75	0.701	88.975	0.007775498	0.986911430
3.00	0.367	89.342	0.004070767	0.990982197
3.25	0.073	89.415	0.000809717	0.991791914
3.50	0.352	89.767	0.003904387	0.995696301
3.75	0.205	89.972	0.002273862	0.997970162
4.00	0.116	90.088	0.001286673	0.999256835
PAN	0.067	90.155	0.000743165	1.0

<b>TOTAL WT.</b>	90.155	grams	
<b>MEDIAN WT.</b>	45.078	grams	
<b>MEAN GRAIN SIZE</b>	1.15	phi	0.4506 mm

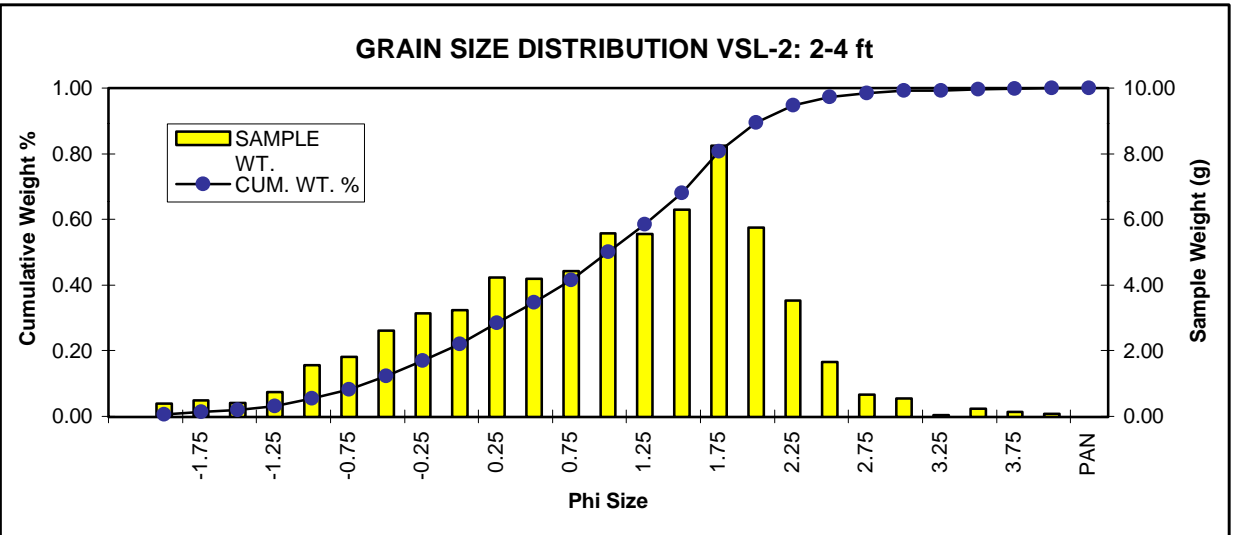


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-2: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.389	0.389	0.005931144	0.005931144
-1.75	0.491	0.880	0.007486354	0.013417498
-1.50	0.414	1.294	0.006312323	0.019729820
-1.25	0.743	2.037	0.011328637	0.031058458
-1.00	1.566	3.603	0.023877047	0.054935505
-0.75	1.810	5.413	0.027597353	0.082532858
-0.50	2.615	8.028	0.039871314	0.122404172
-0.25	3.130	11.158	0.047723600	0.170127771
0.00	3.229	14.387	0.049233068	0.219360839
0.25	4.222	18.609	0.064373494	0.283734334
0.50	4.183	22.792	0.063778855	0.347513189
0.75	4.434	27.226	0.067605892	0.415119080
1.00	5.576	32.802	0.085018144	0.500137224
1.25	5.550	38.352	0.084621718	0.584758942
1.50	6.298	44.650	0.096026591	0.680785533
1.75	8.253	52.903	0.125834782	0.806620315
2.00	5.760	58.663	0.087823621	0.894443936
2.25	3.524	62.187	0.053730979	0.948174915
2.50	1.665	63.852	0.025386515	0.973561431
2.75	0.662	64.514	0.010093618	0.983655048
3.00	0.550	65.064	0.008385936	0.992040984
3.25	0.033	65.097	0.000503156	0.992544141
3.50	0.229	65.326	0.003491599	0.996035739
3.75	0.143	65.469	0.002180343	0.998216083
4.00	0.077	65.546	0.001174031	0.999390114
PAN	0.040	65.586	0.000609886	1.0

<b>TOTAL WT.</b>	65.586	grams	
<b>MEDIAN WT.</b>	32.793	grams	
<b>MEAN GRAIN SIZE</b>	1	phi	0.5000 mm

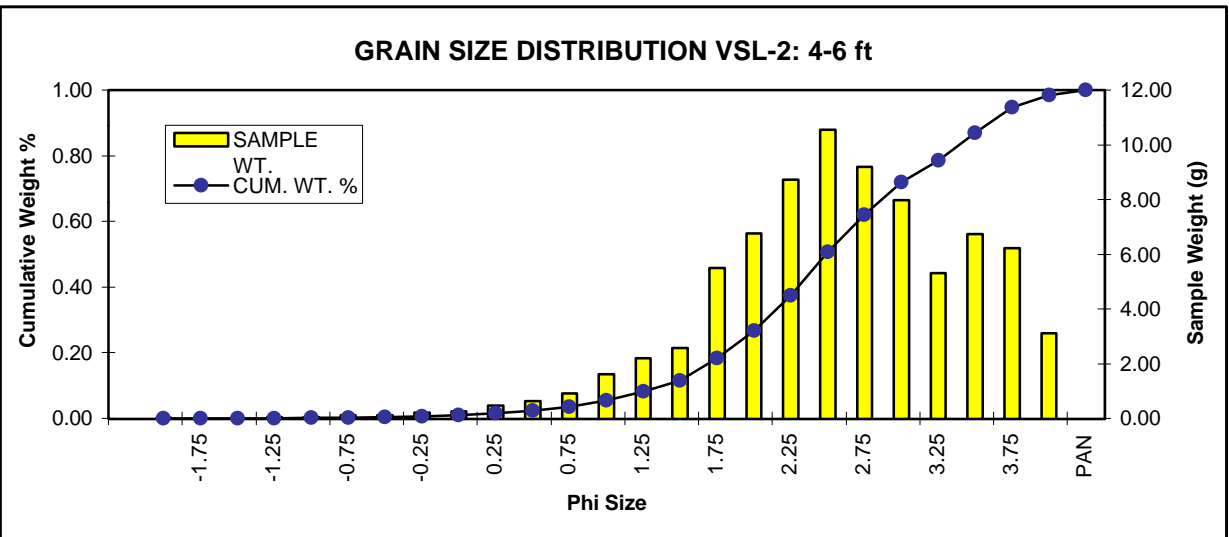


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-2: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.020	0.020	0.000248667	0.000248667
-1.75	0.000	0.020	0.000000000	0.000248667
-1.50	0.000	0.020	0.000000000	0.000248667
-1.25	0.036	0.056	0.000447600	0.000696266
-1.00	0.041	0.097	0.000509766	0.001206033
-0.75	0.115	0.212	0.001429833	0.002635865
-0.50	0.109	0.321	0.001355233	0.003991098
-0.25	0.200	0.521	0.002486665	0.006477763
0.00	0.260	0.781	0.003232665	0.009710428
0.25	0.478	1.259	0.005943130	0.015653558
0.50	0.623	1.882	0.007745962	0.023399520
0.75	0.923	2.805	0.011475960	0.034875480
1.00	1.613	4.418	0.020054955	0.054930436
1.25	2.190	6.608	0.027228985	0.082159420
1.50	2.576	9.184	0.032028249	0.114187669
1.75	5.492	14.676	0.068283828	0.182471497
2.00	6.749	21.425	0.083912519	0.266384016
2.25	8.721	30.146	0.108431039	0.374815054
2.50	10.551	40.697	0.131184026	0.505999080
2.75	9.199	49.896	0.114374169	0.620373248
3.00	7.985	57.881	0.099280110	0.719653359
3.25	5.304	63.185	0.065946363	0.785599721
3.50	6.728	69.913	0.083651419	0.869251141
3.75	6.229	76.142	0.077447189	0.946698330
4.00	3.102	79.244	0.038568178	0.985266508
PAN	1.185	80.429	0.014733492	1.0

**TOTAL WT.** 80.429 grams  
**MEDIAN WT.** 40.215 grams  
**MEAN GRAIN SIZE** 2.49 phi 0.1780 mm

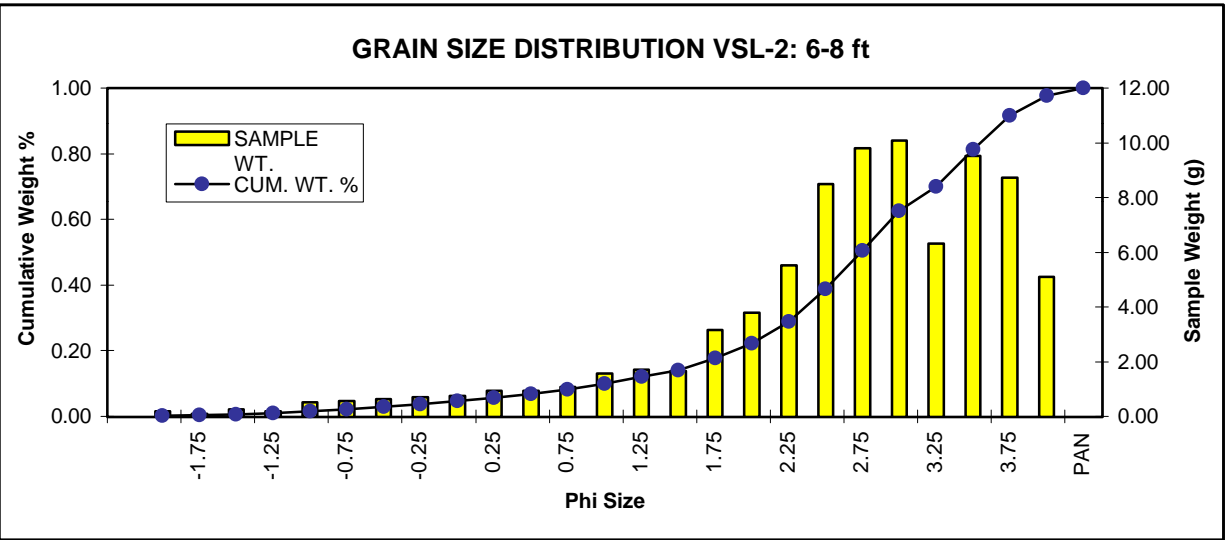


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-2: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.182	0.182	0.002162522	0.002162522
-1.75	0.101	0.283	0.001200081	0.003362603
-1.50	0.261	0.544	0.003101199	0.006463802
-1.25	0.198	0.742	0.002352634	0.008816435
-1.00	0.503	1.245	0.005976640	0.014793075
-0.75	0.567	1.812	0.006737087	0.021530162
-0.50	0.638	2.450	0.007580708	0.029110871
-0.25	0.713	3.163	0.008471858	0.037582728
0.00	0.746	3.909	0.008863963	0.046446691
0.25	0.927	4.836	0.011014603	0.057461294
0.50	0.924	5.760	0.010978957	0.068440251
0.75	1.087	6.847	0.012915721	0.081355972
1.00	1.558	8.405	0.018512137	0.099868110
1.25	1.697	10.102	0.020163734	0.120031844
1.50	1.665	11.767	0.019783510	0.139815354
1.75	3.149	14.916	0.037416381	0.177231734
2.00	3.797	18.713	0.045115909	0.222347643
2.25	5.513	24.226	0.065505400	0.287853044
2.50	8.494	32.720	0.100925607	0.388778650
2.75	9.809	42.529	0.116550421	0.505329072
3.00	10.079	52.608	0.119758558	0.625087630
3.25	6.321	58.929	0.075106047	0.700193676
3.50	9.517	68.446	0.113080881	0.813274557
3.75	8.733	77.179	0.103765402	0.917039959
4.00	5.089	82.268	0.060467437	0.977507397
PAN	1.893	84.161	0.022492603	1.0

<b>TOTAL WT.</b>	84.161	grams	
<b>MEDIAN WT.</b>	42.081	grams	
<b>MEAN GRAIN SIZE</b>	2.74	phi	0.1497 mm

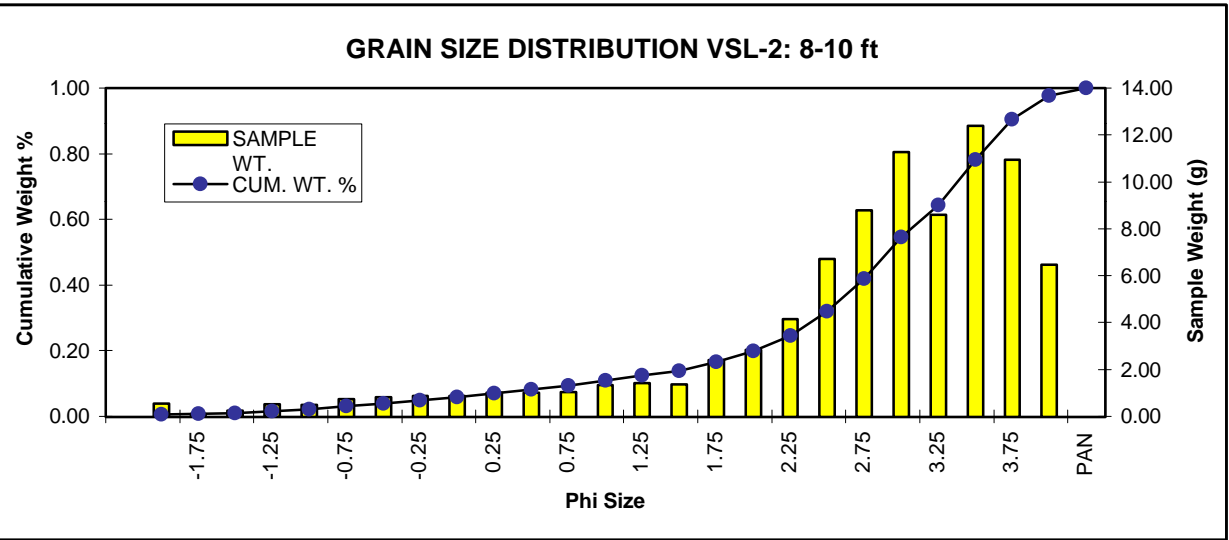


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-2: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.556	0.556	0.006247612	0.006247612
-1.75	0.105	0.661	0.001179855	0.007427467
-1.50	0.259	0.920	0.002910309	0.010337776
-1.25	0.522	1.442	0.005865564	0.016203340
-1.00	0.501	1.943	0.005629593	0.021832933
-0.75	0.750	2.693	0.008427534	0.030260467
-0.50	0.812	3.505	0.009124211	0.039384678
-0.25	0.885	4.390	0.009944491	0.049329168
0.00	0.863	5.253	0.009697283	0.059026451
0.25	1.004	6.257	0.011281659	0.070308111
0.50	1.016	7.273	0.011416500	0.081724611
0.75	1.033	8.306	0.011607524	0.093332135
1.00	1.327	9.633	0.014911118	0.108243252
1.25	1.406	11.039	0.015798818	0.124042070
1.50	1.356	12.395	0.015236982	0.139279053
1.75	2.396	14.791	0.026923163	0.166202216
2.00	2.846	17.637	0.031979684	0.198181900
2.25	4.146	21.783	0.046587410	0.244769310
2.50	6.724	28.507	0.075555655	0.320324966
2.75	8.787	37.294	0.098736994	0.419061959
3.00	11.283	48.577	0.126783828	0.545845787
3.25	8.608	57.185	0.096725622	0.642571409
3.50	12.403	69.588	0.139368946	0.781940356
3.75	10.930	80.518	0.122817269	0.904757624
4.00	6.470	86.988	0.072701530	0.977459155
PAN	2.006	88.994	0.022540845	1.0

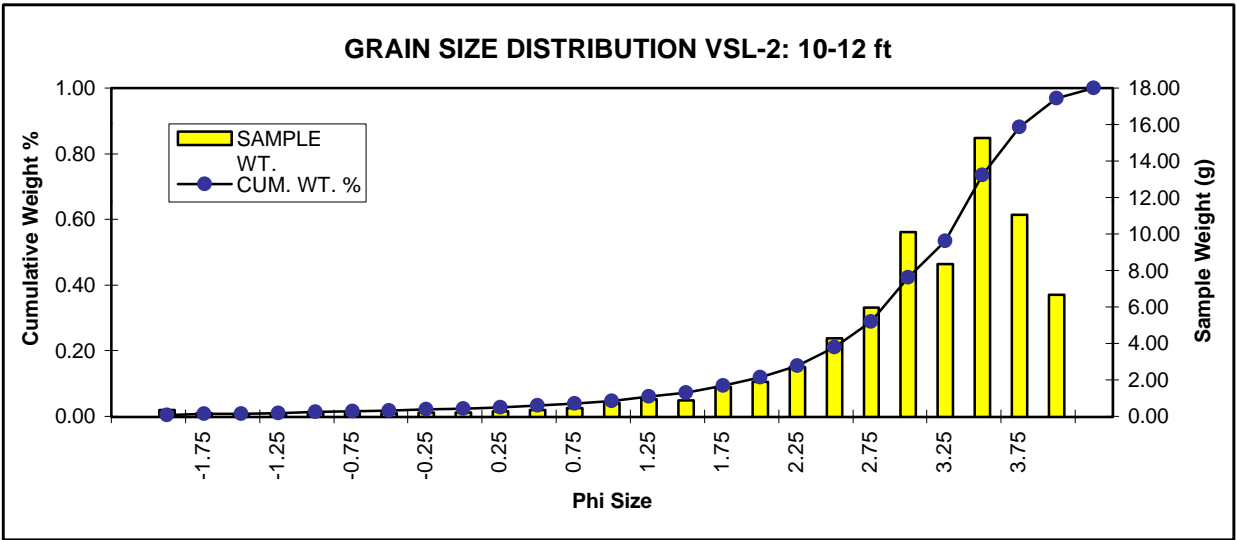
<b>TOTAL WT.</b>	88.994	grams	
<b>MEDIAN WT.</b>	44.497	grams	
<b>MEAN GRAIN SIZE</b>	2.91	phi	0.1330 mm



# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-2: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.363	0.363	0.004796829	0.004796829
-1.75	0.169	0.532	0.002233234	0.007030063
-1.50	0.095	0.627	0.001255368	0.008285431
-1.25	0.103	0.730	0.001361084	0.009646515
-1.00	0.249	0.979	0.003290387	0.012936901
-0.75	0.195	1.174	0.002576809	0.015513710
-0.50	0.184	1.358	0.002431450	0.017945160
-0.25	0.221	1.579	0.002920383	0.020865543
0.00	0.223	1.802	0.002946812	0.023812355
0.25	0.296	2.098	0.003911463	0.027723819
0.50	0.348	2.446	0.004598612	0.032322431
0.75	0.440	2.886	0.005814338	0.038136769
1.00	0.725	3.611	0.009580443	0.047717212
1.25	0.938	4.549	0.012395111	0.060112322
1.50	0.876	5.425	0.011575818	0.071688140
1.75	1.624	7.049	0.021460192	0.093148332
2.00	1.887	8.936	0.024935580	0.118083911
2.25	2.700	11.636	0.035678890	0.153762801
2.50	4.278	15.914	0.056531219	0.210294020
2.75	5.974	21.888	0.078942848	0.289236868
3.00	10.108	31.996	0.133571193	0.422808061
3.25	8.353	40.349	0.110379914	0.533187975
3.50	15.278	55.627	0.201889660	0.735077635
3.75	11.060	66.687	0.146151305	0.881228940
4.00	6.667	73.354	0.088100429	0.969329369
PAN	2.321	75.675	0.030670631	1.0
<b>TOTAL WT.</b>		75.675	grams	
<b>MEDIAN WT.</b>		37.838	grams	
<b>MEAN GRAIN SIZE</b>		3.17	phi	0.1111 mm

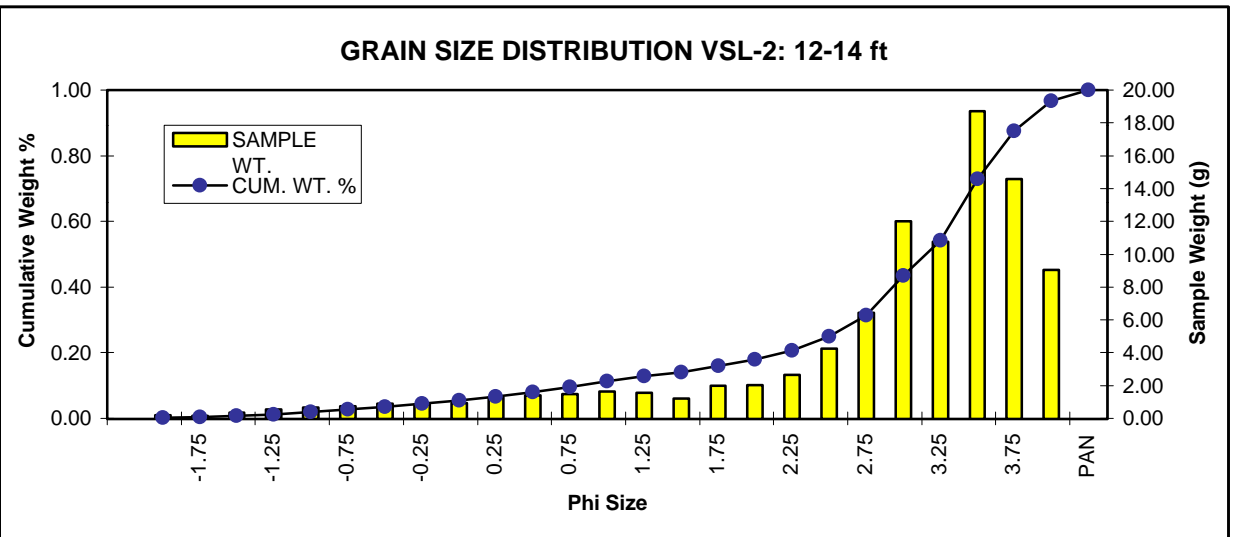


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-2: 12-14 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.196	0.196	0.001965701	0.001965701
-1.75	0.140	0.336	0.001404072	0.003369772
-1.50	0.369	0.705	0.003700732	0.007070504
-1.25	0.550	1.255	0.005515996	0.012586501
-1.00	0.657	1.912	0.006589108	0.019175609
-0.75	0.755	2.667	0.007571959	0.026747568
-0.50	0.891	3.558	0.008935914	0.035683482
-0.25	0.844	4.402	0.008464547	0.044148029
0.00	0.945	5.347	0.009477485	0.053625514
0.25	1.274	6.621	0.012777053	0.066402567
0.50	1.417	8.038	0.014211213	0.080613780
0.75	1.497	9.535	0.015013539	0.095627319
1.00	1.645	11.180	0.016497844	0.112125163
1.25	1.554	12.734	0.015585197	0.127710360
1.50	1.197	13.931	0.012004814	0.139715174
1.75	2.000	15.931	0.020058169	0.159773343
2.00	2.018	17.949	0.020238692	0.180012035
2.25	2.641	20.590	0.026486812	0.206498847
2.50	4.241	24.831	0.042533347	0.249032193
2.75	6.434	31.265	0.064527129	0.313559322
3.00	11.997	43.262	0.120318925	0.433878247
3.25	10.757	54.019	0.107882860	0.541761107
3.50	18.728	72.747	0.187824692	0.729585799
3.75	14.600	87.347	0.146424631	0.876010430
4.00	9.049	96.396	0.090753184	0.966763614
PAN	3.314	99.710	0.033236386	1.0

<b>TOTAL WT.</b>	99.710	grams	
<b>MEDIAN WT.</b>	49.855	grams	
<b>MEAN GRAIN SIZE</b>	3.15	phi	0.1127 mm

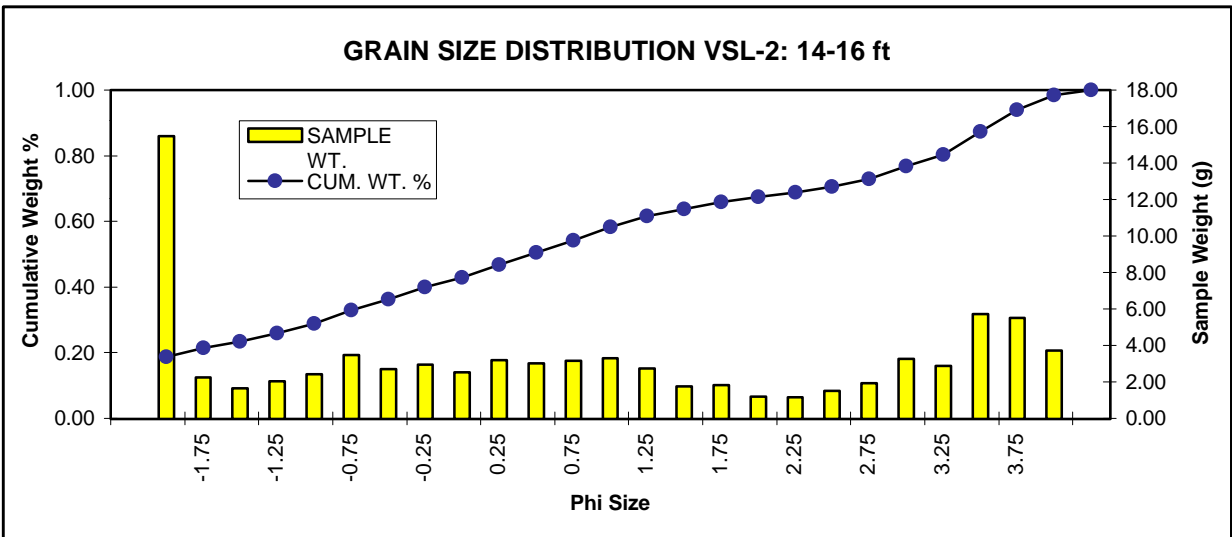




# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-2: 14-16 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	15.464	15.464	0.187260838	0.187260838
-1.75	2.241	17.705	0.027137321	0.214398159
-1.50	1.640	19.345	0.019859530	0.234257690
-1.25	2.024	21.369	0.024509566	0.258767256
-1.00	2.432	23.801	0.029450230	0.288217486
-0.75	3.474	27.275	0.042068297	0.330285783
-0.50	2.715	29.990	0.032877210	0.363162993
-0.25	2.947	32.937	0.035686607	0.398849600
0.00	2.513	35.450	0.030431097	0.429280698
0.25	3.204	38.654	0.038798741	0.468079438
0.50	3.030	41.684	0.036691693	0.504771131
0.75	3.141	44.825	0.038035844	0.542806975
1.00	3.307	48.132	0.040046016	0.582852991
1.25	2.723	50.855	0.032974086	0.615827077
1.50	1.750	52.605	0.021191572	0.637018649
1.75	1.838	54.443	0.022257205	0.659275854
2.00	1.198	55.641	0.014507145	0.673782998
2.25	1.141	56.782	0.013816905	0.687599903
2.50	1.505	58.287	0.018224752	0.705824655
2.75	1.921	60.208	0.023262291	0.729086946
3.00	3.275	63.483	0.039658513	0.768745459
3.25	2.890	66.373	0.034996367	0.803741826
3.50	5.720	72.093	0.069266166	0.873007992
3.75	5.503	77.596	0.066638411	0.939646403
4.00	3.716	81.312	0.044998789	0.984645193
PAN	1.268	82.580	0.015354807	1.0
<b>TOTAL WT.</b>		82.580	grams	
<b>MEDIAN WT.</b>		41.290	grams	
<b>MEAN GRAIN SIZE</b>		0.47	phi	0.7220 mm

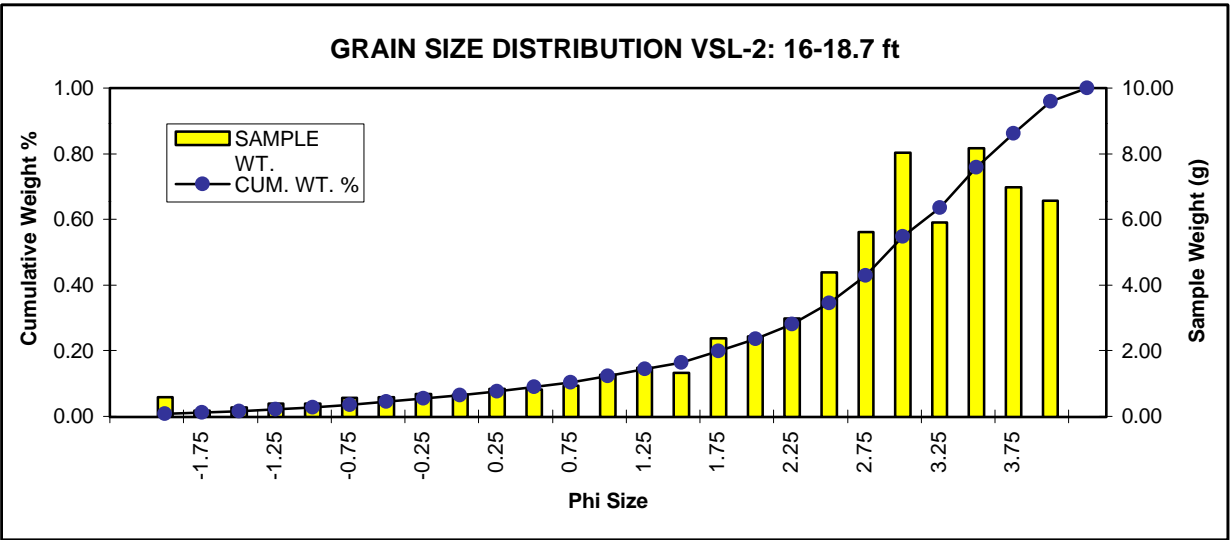


# GRAIN SIZE DISTRIBUTION CHART

CORE VSL-2: 16-18.7 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.586	0.586	0.008722315	0.008722315
-1.75	0.180	0.766	0.002679209	0.011401524
-1.50	0.277	1.043	0.004123005	0.015524530
-1.25	0.396	1.439	0.005894261	0.021418790
-1.00	0.397	1.836	0.005909145	0.027327935
-0.75	0.575	2.411	0.008558585	0.035886521
-0.50	0.580	2.991	0.008633008	0.044519528
-0.25	0.674	3.665	0.010032151	0.054551679
0.00	0.668	4.333	0.009942844	0.064494523
0.25	0.840	5.173	0.012502977	0.076997499
0.50	0.825	5.998	0.012279709	0.089277209
0.75	0.935	6.933	0.013917004	0.103194213
1.00	1.267	8.200	0.018858657	0.122052870
1.25	1.475	9.675	0.021954632	0.144007502
1.50	1.325	11.000	0.019721958	0.163729459
1.75	2.384	13.384	0.035484639	0.199214099
2.00	2.440	15.824	0.036318171	0.235532270
2.25	2.976	18.800	0.044296261	0.279828531
2.50	4.392	23.192	0.065372708	0.345201238
2.75	5.614	28.806	0.083561562	0.428762801
3.00	8.027	36.833	0.119477852	0.548240653
3.25	5.910	42.743	0.087967373	0.636208026
3.50	8.168	50.911	0.121576566	0.757784592
3.75	6.983	57.894	0.103938438	0.861723029
4.00	6.572	64.466	0.097820910	0.959543939
PAN	2.718	67.184	0.040456061	1.0

<b>TOTAL WT.</b>	67.184	grams	
<b>MEDIAN WT.</b>	33.592	grams	
<b>MEAN GRAIN SIZE</b>	2.9	phi	0.1340 mm

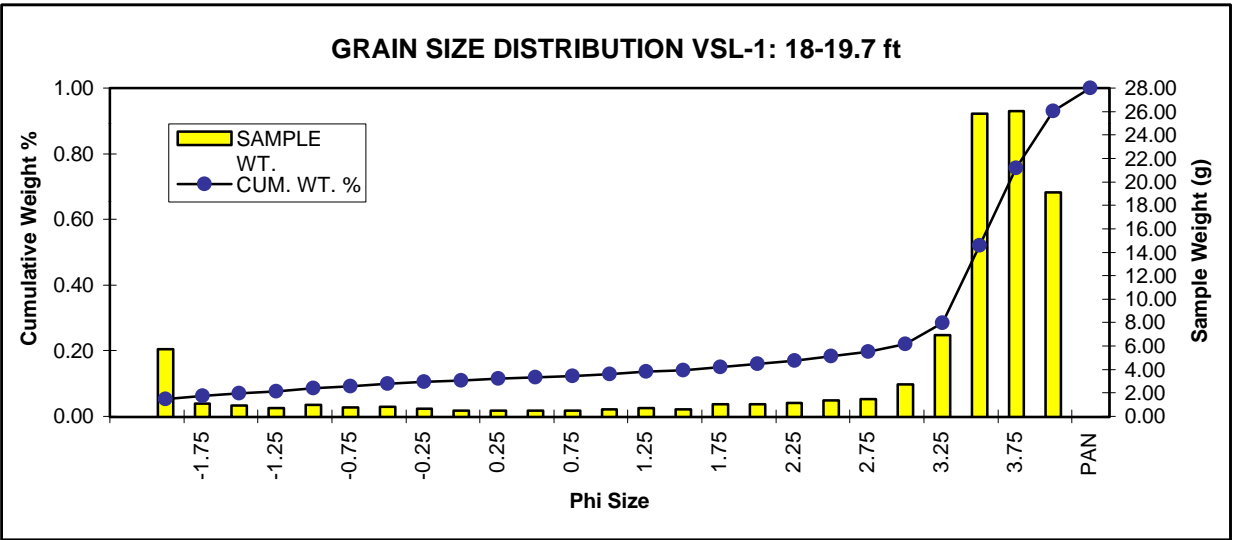


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-1: 18-19.7 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	5.709	5.709	0.051999271	0.051999271
-1.75	1.067	6.776	0.009718554	0.061717825
-1.50	0.947	7.723	0.008625558	0.070343383
-1.25	0.690	8.413	0.006284725	0.076628108
-1.00	0.974	9.387	0.008871482	0.085499590
-0.75	0.740	10.127	0.006740140	0.092239730
-0.50	0.807	10.934	0.007350396	0.099590127
-0.25	0.634	11.568	0.005774661	0.105364787
0.00	0.495	12.063	0.004508607	0.109873395
0.25	0.507	12.570	0.004617907	0.114491302
0.50	0.482	13.052	0.004390199	0.118881501
0.75	0.489	13.541	0.004453958	0.123335459
1.00	0.627	14.168	0.005710903	0.129046361
1.25	0.708	14.876	0.006448675	0.135495036
1.50	0.620	15.496	0.005647145	0.141142181
1.75	1.049	16.545	0.009554604	0.150696785
2.00	1.028	17.573	0.009363330	0.160060115
2.25	1.134	18.707	0.010328810	0.170388924
2.50	1.362	20.069	0.012405501	0.182794426
2.75	1.455	21.524	0.013252573	0.196046999
3.00	2.739	24.263	0.024947627	0.220994626
3.25	6.948	31.211	0.063284452	0.284279078
3.50	25.834	57.045	0.235303762	0.519582840
3.75	26.010	83.055	0.236906822	0.756489662
4.00	19.081	102.136	0.173795428	0.930285090
PAN	7.654	109.790	0.069714910	1.0

<b>TOTAL WT.</b>	109.790	grams	
<b>MEDIAN WT.</b>	54.895	grams	
<b>MEAN GRAIN SIZE</b>	3.48	phi	0.0896 mm

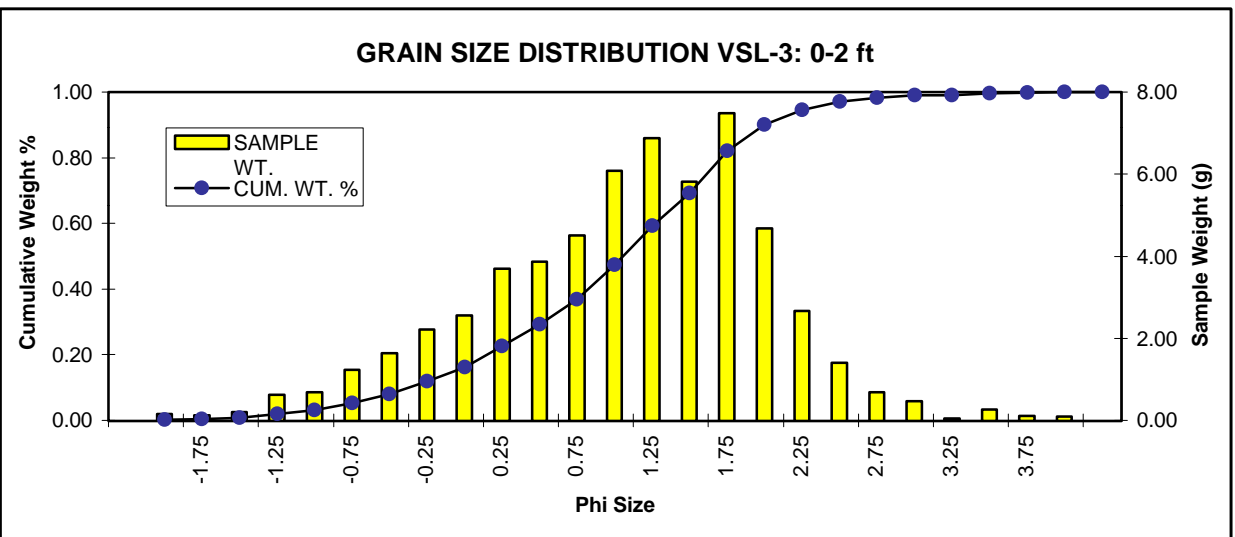


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-3: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.150	0.150	0.002576080	0.002576080
-1.75	0.119	0.269	0.002043690	0.004619771
-1.50	0.206	0.475	0.003537817	0.008157587
-1.25	0.623	1.098	0.010699320	0.018856907
-1.00	0.689	1.787	0.011832795	0.030689703
-0.75	1.236	3.023	0.021226901	0.051916604
-0.50	1.643	4.666	0.028216666	0.080133269
-0.25	2.208	6.874	0.037919901	0.118053170
0.00	2.555	9.429	0.043879233	0.161932404
0.25	3.691	13.120	0.063388748	0.225321151
0.50	3.874	16.994	0.066531566	0.291852717
0.75	4.502	21.496	0.077316755	0.369169472
1.00	6.089	27.585	0.104571684	0.473741155
1.25	6.884	34.469	0.118224909	0.591966064
1.50	5.814	40.283	0.099848870	0.691814934
1.75	7.480	47.763	0.128460534	0.820275469
2.00	4.677	52.440	0.080322182	0.900597651
2.25	2.661	55.101	0.045699663	0.946297314
2.50	1.407	56.508	0.024163633	0.970460947
2.75	0.688	57.196	0.011815621	0.982276568
3.00	0.467	57.663	0.008020196	0.990296764
3.25	0.042	57.705	0.000721302	0.991018067
3.50	0.270	57.975	0.004636944	0.995655011
3.75	0.108	58.083	0.001854778	0.997509789
4.00	0.091	58.174	0.001562822	0.999072611
PAN	0.054	58.228	0.000927389	1.0

<b>TOTAL WT.</b>	58.228	grams	
<b>MEDIAN WT.</b>	29.114	grams	
<b>MEAN GRAIN SIZE</b>	1.06	phi	0.4796 mm

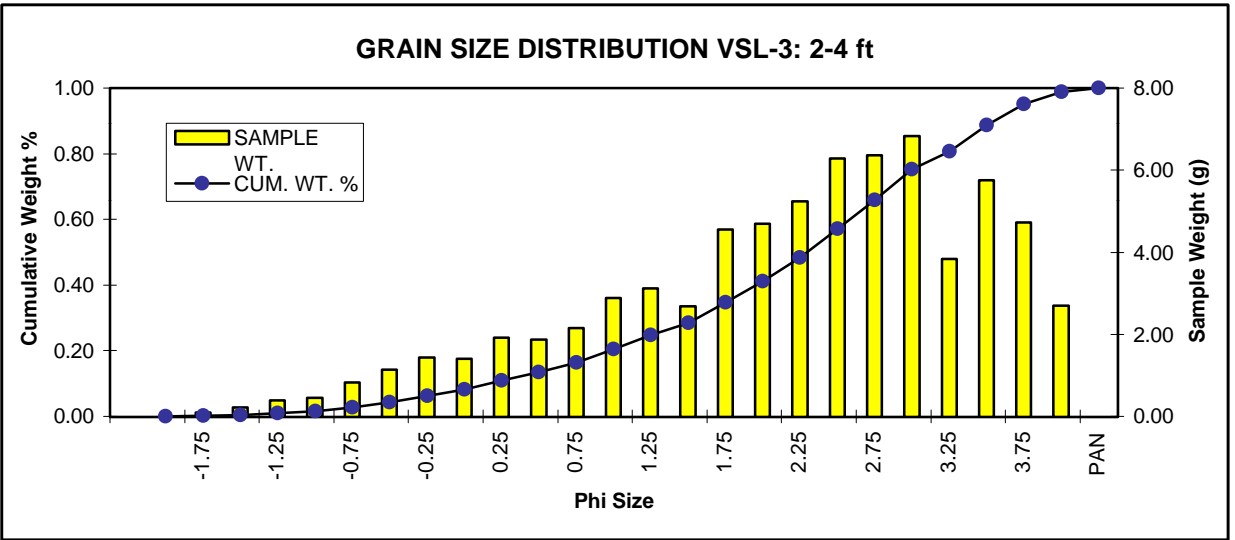


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-3: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.092	0.092	0.001270894	0.001270894
-1.50	0.221	0.313	0.003052908	0.004323802
-1.25	0.390	0.703	0.005387484	0.009711286
-1.00	0.460	1.163	0.006354469	0.016065755
-0.75	0.822	1.985	0.011355160	0.027420914
-0.50	1.141	3.126	0.015761846	0.043182760
-0.25	1.440	4.566	0.019892250	0.063075010
0.00	1.398	5.964	0.019312060	0.082387070
0.25	1.917	7.881	0.026481558	0.108868628
0.50	1.872	9.753	0.025859925	0.134728554
0.75	2.146	11.899	0.029644979	0.164373532
1.00	2.885	14.784	0.039853571	0.204227103
1.25	3.113	17.897	0.043003177	0.247230280
1.50	2.675	20.572	0.036952618	0.284182898
1.75	4.556	25.128	0.062936870	0.347119768
2.00	4.690	29.818	0.064787954	0.411907722
2.25	5.238	35.056	0.072358061	0.484265783
2.50	6.292	41.348	0.086918083	0.571183865
2.75	6.362	47.710	0.087885067	0.659068932
3.00	6.828	54.538	0.094322420	0.753391352
3.25	3.844	58.382	0.053101257	0.806492609
3.50	5.754	64.136	0.079486117	0.885978726
3.75	4.726	68.862	0.065285260	0.951263987
4.00	2.701	71.563	0.037311783	0.988575770
PAN	0.827	72.390	0.011424230	1.0

<b>TOTAL WT.</b>	72.390	grams	
<b>MEDIAN WT.</b>	36.195	grams	
<b>MEAN GRAIN SIZE</b>	2.3	phi	0.2031 mm

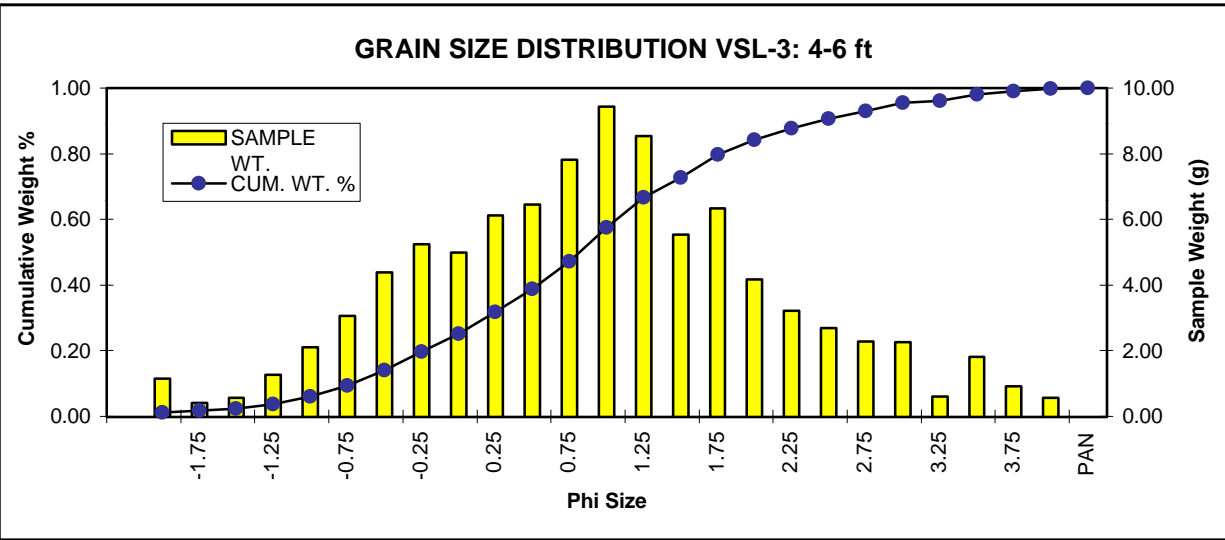


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-3: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.146	1.146	0.012430849	0.012430849
-1.75	0.419	1.565	0.004544961	0.016975811
-1.50	0.564	2.129	0.006117800	0.023093611
-1.25	1.276	3.405	0.013840981	0.036934592
-1.00	2.096	5.501	0.022735655	0.059670246
-0.75	3.062	8.563	0.033214015	0.092884261
-0.50	4.385	12.948	0.047564812	0.140449073
-0.25	5.248	18.196	0.056925914	0.197374986
0.00	4.984	23.180	0.054062263	0.251437249
0.25	6.126	29.306	0.066449723	0.317886973
0.50	6.443	35.749	0.069888274	0.387775247
0.75	7.821	43.570	0.084835665	0.472610912
1.00	9.443	53.013	0.102429765	0.575040677
1.25	8.536	61.549	0.092591387	0.667632064
1.50	5.533	67.082	0.060017355	0.727649420
1.75	6.333	73.415	0.068695086	0.796344506
2.00	4.162	77.577	0.045145894	0.841490400
2.25	3.216	80.793	0.034884478	0.876374878
2.50	2.687	83.480	0.029146328	0.905521206
2.75	2.280	85.760	0.024731533	0.930252739
3.00	2.265	88.025	0.024568825	0.954821564
3.25	0.597	88.622	0.006475757	0.961297321
3.50	1.807	90.429	0.019600824	0.980898145
3.75	0.919	91.348	0.009968543	0.990866688
4.00	0.573	91.921	0.006215425	0.997082113
PAN	0.269	92.190	0.002917887	1.0

<b>TOTAL WT.</b>	92.190	grams	
<b>MEDIAN WT.</b>	46.095	grams	
<b>MEAN GRAIN SIZE</b>	0.82	phi	0.5644 mm

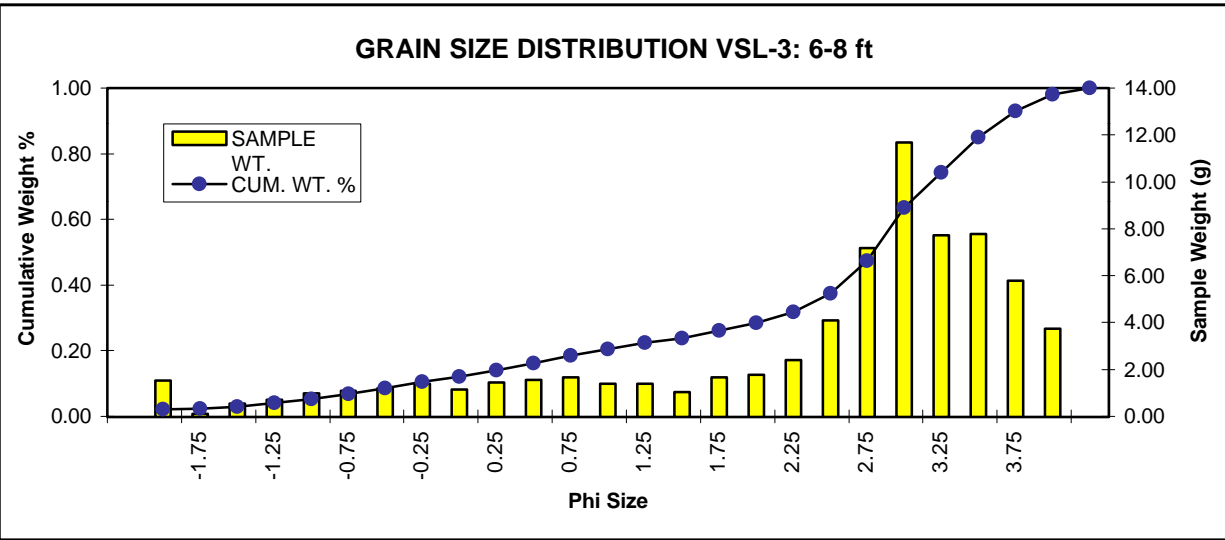


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-3: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.520	1.520	0.020985200	0.020985200
-1.75	0.115	1.635	0.001587696	0.022572896
-1.50	0.553	2.188	0.007634747	0.030207643
-1.25	0.712	2.900	0.009829909	0.040037552
-1.00	0.981	3.881	0.013543738	0.053581290
-0.75	1.095	4.976	0.015117628	0.068698918
-0.50	1.204	6.180	0.016622487	0.085321405
-0.25	1.393	7.573	0.019231831	0.104553236
0.00	1.148	8.721	0.015849348	0.120402584
0.25	1.437	10.158	0.019839298	0.140241882
0.50	1.545	11.703	0.021330351	0.161572233
0.75	1.671	13.374	0.023069914	0.184642147
1.00	1.399	14.773	0.019314668	0.203956815
1.25	1.397	16.170	0.019287055	0.223243870
1.50	1.031	17.201	0.014234040	0.237477910
1.75	1.657	18.858	0.022876629	0.260354539
2.00	1.778	20.636	0.024547161	0.284901701
2.25	2.408	23.044	0.033244975	0.318146676
2.50	4.103	27.147	0.056646234	0.374792909
2.75	7.184	34.331	0.099182682	0.473975591
3.00	11.688	46.019	0.161365142	0.635340733
3.25	7.716	53.735	0.106527502	0.741868235
3.50	7.777	61.512	0.107369671	0.849237906
3.75	5.785	67.297	0.079868014	0.929105920
4.00	3.746	71.043	0.051717473	0.980823393
PAN	1.389	72.432	0.019176607	1.0

**TOTAL WT.** 72.432 grams  
**MEDIAN WT.** 36.216 grams  
**MEAN GRAIN SIZE** 2.79 phi 0.1446 mm

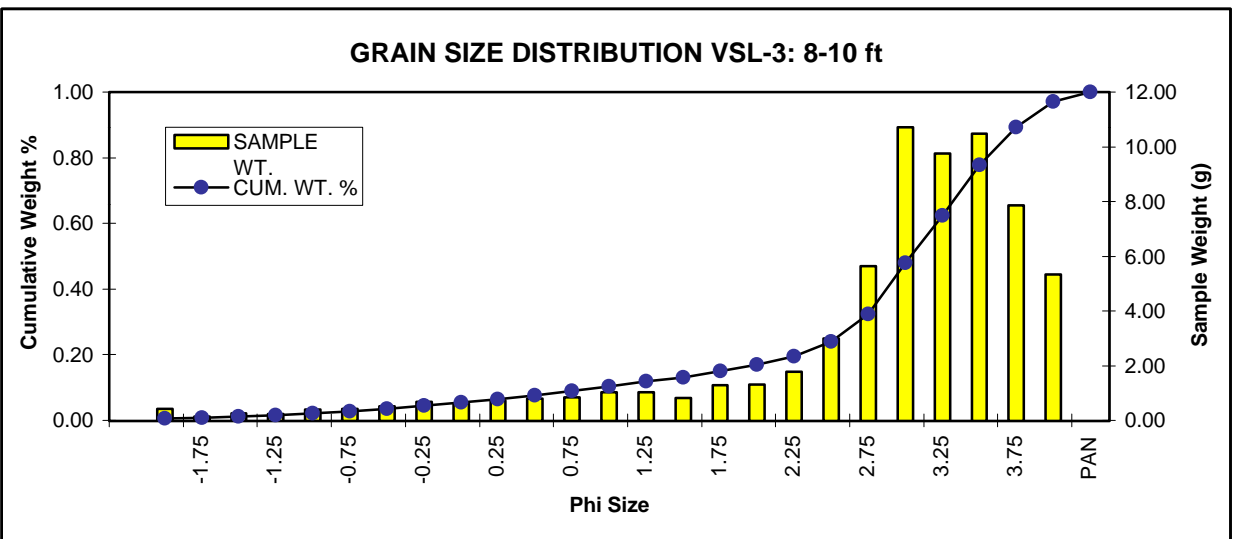


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-3: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.424	0.424	0.006233369	0.006233369
-1.75	0.144	0.568	0.002116993	0.008350362
-1.50	0.265	0.833	0.003895856	0.012246218
-1.25	0.241	1.074	0.003543023	0.015789242
-1.00	0.390	1.464	0.005733523	0.021522765
-0.75	0.429	1.893	0.006306876	0.027829641
-0.50	0.504	2.397	0.007409476	0.035239117
-0.25	0.672	3.069	0.009879302	0.045118419
0.00	0.610	3.679	0.008967819	0.054086238
0.25	0.727	4.406	0.010687876	0.064774114
0.50	0.805	5.211	0.011834580	0.076608694
0.75	0.838	6.049	0.012319725	0.088928419
1.00	1.030	7.079	0.015142382	0.104070802
1.25	1.040	8.119	0.015289396	0.119360198
1.50	0.816	8.935	0.011996295	0.131356493
1.75	1.292	10.227	0.018994134	0.150350627
2.00	1.308	11.535	0.019229356	0.169579983
2.25	1.783	13.318	0.026212493	0.195792476
2.50	3.004	16.322	0.044162832	0.239955308
2.75	5.645	21.967	0.082989077	0.322944385
3.00	10.703	32.670	0.157348466	0.480292851
3.25	9.746	42.416	0.143279281	0.623572132
3.50	10.485	52.901	0.154143573	0.777715705
3.75	7.866	60.767	0.115640758	0.893356463
4.00	5.328	66.095	0.078328751	0.971685215
PAN	1.926	68.021	0.028314785	1.0

<b>TOTAL WT.</b>	68.021	grams	
<b>MEDIAN WT.</b>	34.011	grams	
<b>MEAN GRAIN SIZE</b>	3.03	phi	0.1224 mm



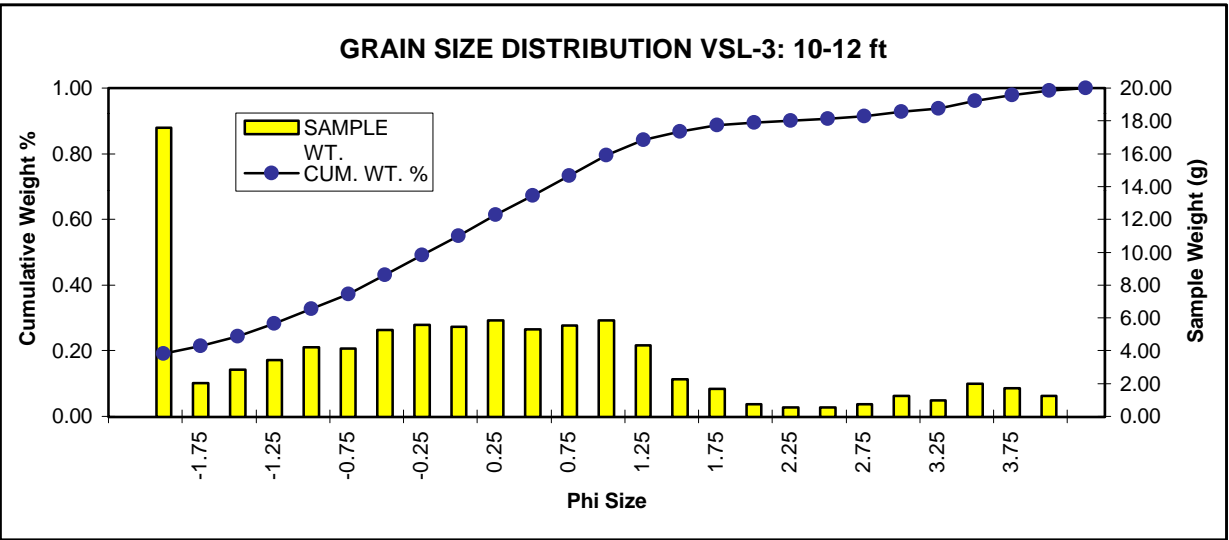


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-3: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	17.585	17.585	0.191484728	0.191484728
-1.75	2.033	19.618	0.022137529	0.213622257
-1.50	2.837	22.455	0.030892361	0.244514619
-1.25	3.441	25.896	0.037469374	0.281983993
-1.00	4.199	30.095	0.045723308	0.327707301
-0.75	4.150	34.245	0.045189742	0.372897044
-0.50	5.268	39.513	0.057363750	0.430260794
-0.25	5.572	45.085	0.060674035	0.490934829
0.00	5.447	50.532	0.059312898	0.550247727
0.25	5.854	56.386	0.063744760	0.613992487
0.50	5.306	61.692	0.057777536	0.671770022
0.75	5.532	67.224	0.060238471	0.732008493
1.00	5.863	73.087	0.063842761	0.795851255
1.25	4.334	77.421	0.047193336	0.843044591
1.50	2.277	79.698	0.024794468	0.867839059
1.75	1.678	81.376	0.018271901	0.886110960
2.00	0.750	82.126	0.008166821	0.894277781
2.25	0.532	82.658	0.005792998	0.900070779
2.50	0.561	83.219	0.006108782	0.906179561
2.75	0.736	83.955	0.008014374	0.914193935
3.00	1.229	85.184	0.013382697	0.927576632
3.25	0.988	86.172	0.010758425	0.938335057
3.50	2.000	88.172	0.021778189	0.960113247
3.75	1.708	89.880	0.018598574	0.978711820
4.00	1.255	91.135	0.013665814	0.992377634
PAN	0.700	91.835	0.007622366	1.0

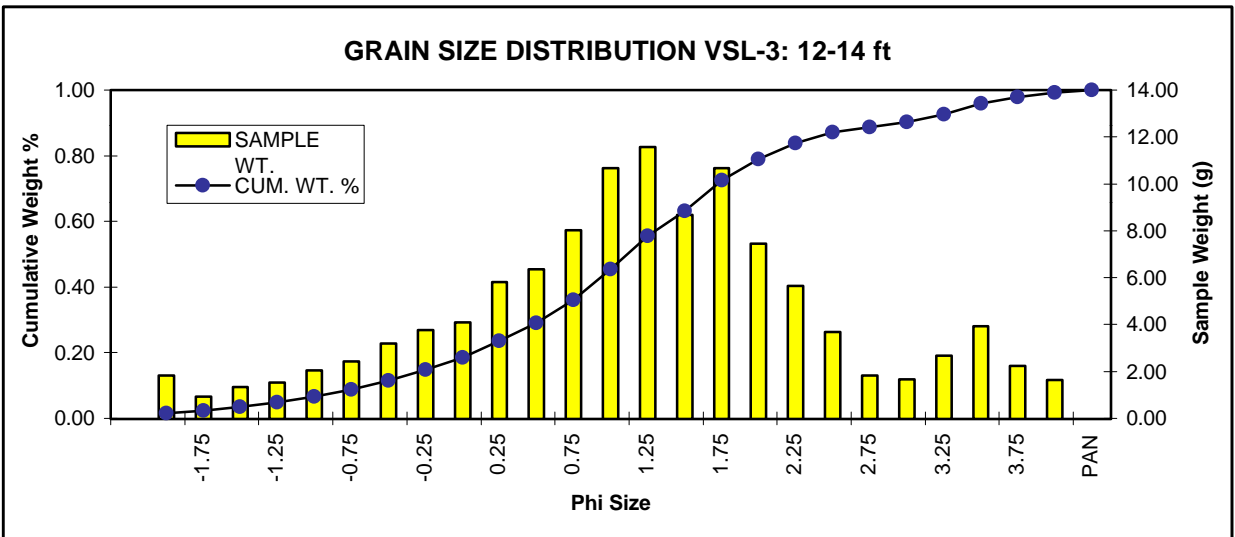
<b>TOTAL WT.</b>	91.835	grams	
<b>MEDIAN WT.</b>	45.918	grams	
<b>MEAN GRAIN SIZE</b>	-0.21	phi	1.1567 mm



# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-3: 12-14 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.837	1.837	0.016051659	0.016051659
-1.75	0.935	2.772	0.008170006	0.024221665
-1.50	1.326	4.098	0.011586554	0.035808219
-1.25	1.516	5.614	0.013246769	0.049054988
-1.00	2.039	7.653	0.017816730	0.066871718
-0.75	2.429	10.082	0.021224540	0.088096258
-0.50	3.180	13.262	0.027786758	0.115883016
-0.25	3.755	17.017	0.032811094	0.148694110
0.00	4.103	21.120	0.035851909	0.184546019
0.25	5.806	26.926	0.050732679	0.235278698
0.50	6.360	33.286	0.055573517	0.290852215
0.75	8.021	41.307	0.070087292	0.360939507
1.00	10.665	51.972	0.093190497	0.454130004
1.25	11.573	63.545	0.101124577	0.555254581
1.50	8.675	72.220	0.075801928	0.631056508
1.75	10.670	82.890	0.093234186	0.724290695
2.00	7.456	90.346	0.065150337	0.789441032
2.25	5.646	95.992	0.049334603	0.838775635
2.50	3.684	99.676	0.032190698	0.870966333
2.75	1.838	101.514	0.016060397	0.887026729
3.00	1.666	103.180	0.014557465	0.901584195
3.25	2.685	105.865	0.023461461	0.925045656
3.50	3.919	109.784	0.034244122	0.959289777
3.75	2.228	112.012	0.019468207	0.978757984
4.00	1.648	113.660	0.014400182	0.993158166
PAN	0.783	114.443	0.006841834	1.0
<b>TOTAL WT.</b>		114.443	grams	
<b>MEDIAN WT.</b>		57.222	grams	
<b>MEAN GRAIN SIZE</b>		1.11	phi	0.4633 mm

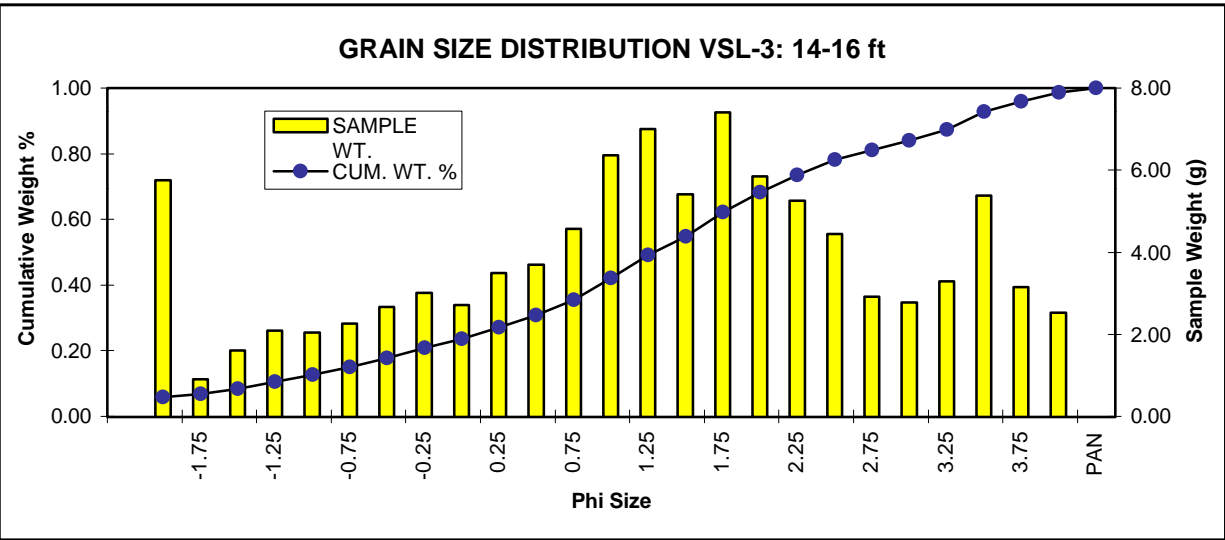


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-3: 14-16 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	5.755	5.755	0.058732281	0.058732281
-1.75	0.908	6.663	0.009266535	0.067998816
-1.50	1.614	8.277	0.016471573	0.084470389
-1.25	2.086	10.363	0.021288538	0.105758927
-1.00	2.050	12.413	0.020921143	0.126680070
-0.75	2.254	14.667	0.023003051	0.149683121
-0.50	2.672	17.339	0.027268923	0.176952045
-0.25	3.008	20.347	0.030697950	0.207649994
0.00	2.716	23.063	0.027717963	0.235367957
0.25	3.496	26.559	0.035678202	0.271046159
0.50	3.689	30.248	0.037647851	0.308694010
0.75	4.564	34.812	0.046577607	0.355271618
1.00	6.356	41.168	0.064865747	0.420137365
1.25	7.002	48.170	0.071458459	0.491595824
1.50	5.411	53.581	0.055221611	0.546817435
1.75	7.409	60.990	0.075612071	0.622429506
2.00	5.846	66.836	0.059660975	0.682090481
2.25	5.251	72.087	0.053588741	0.735679223
2.50	4.450	76.537	0.045414188	0.781093410
2.75	2.922	79.459	0.029820282	0.810913693
3.00	2.782	82.241	0.028391521	0.839305214
3.25	3.296	85.537	0.033637115	0.872942329
3.50	5.374	90.911	0.054844010	0.927786339
3.75	3.152	94.063	0.032167532	0.959953871
4.00	2.527	96.590	0.025789135	0.985743007
PAN	1.397	97.987	0.014256993	1.0

<b>TOTAL WT.</b>	97.987	grams	
<b>MEDIAN WT.</b>	48.994	grams	
<b>MEAN GRAIN SIZE</b>	1.29	phi	0.4090 mm

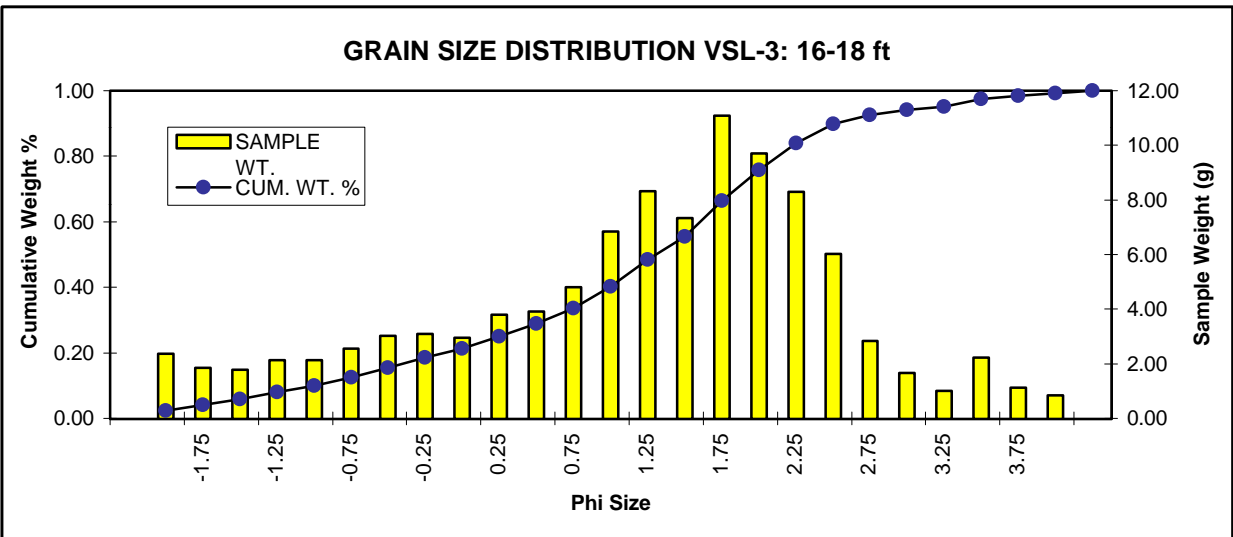


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-3: 16-18 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	2.363	2.363	0.023075496	0.023075496
-1.75	1.862	4.225	0.018183061	0.041258557
-1.50	1.787	6.012	0.017450661	0.058709218
-1.25	2.123	8.135	0.020731814	0.079441032
-1.00	2.136	10.271	0.020858764	0.100299796
-0.75	2.554	12.825	0.024940676	0.125240471
-0.50	3.024	15.849	0.029530385	0.154770856
-0.25	3.086	18.935	0.030135836	0.184906692
0.00	2.961	21.896	0.028915169	0.213821861
0.25	3.786	25.682	0.036971573	0.250793434
0.50	3.907	29.589	0.038153179	0.288946613
0.75	4.803	34.392	0.046902923	0.335849536
1.00	6.838	41.230	0.066775387	0.402624923
1.25	8.310	49.540	0.081149966	0.483774889
1.50	7.325	56.865	0.071531107	0.555305997
1.75	11.088	67.953	0.108278078	0.663584075
2.00	9.694	77.647	0.094665195	0.758249270
2.25	8.288	85.935	0.080935129	0.839184399
2.50	6.027	91.962	0.058855698	0.898040096
2.75	2.846	94.808	0.027792155	0.925832251
3.00	1.667	96.475	0.016278820	0.942111071
3.25	1.010	97.485	0.009862992	0.951974063
3.50	2.230	99.715	0.021776706	0.973750769
3.75	1.132	100.847	0.011054364	0.984805133
4.00	0.834	101.681	0.008144293	0.992949425
PAN	0.722	102.403	0.007050575	1.0

**TOTAL WT.** 102.403 grams  
**MEDIAN WT.** 51.202 grams  
**MEAN GRAIN SIZE** 1.31 phi 0.4033 mm

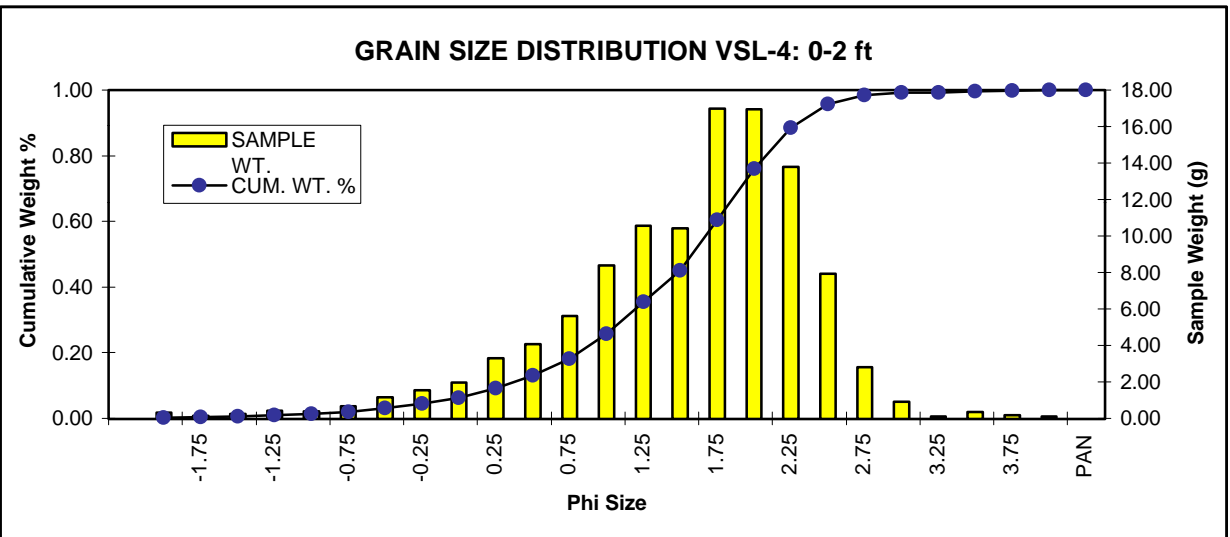


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-4: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.308	0.308	0.002813505	0.002813505
-1.75	0.131	0.439	0.001196653	0.004010158
-1.50	0.229	0.668	0.002091859	0.006102017
-1.25	0.432	1.100	0.003946215	0.010048232
-1.00	0.398	1.498	0.003635633	0.013683864
-0.75	0.675	2.173	0.006165960	0.019849825
-0.50	1.155	3.328	0.010550643	0.030400468
-0.25	1.536	4.864	0.014030985	0.044431453
0.00	1.970	6.834	0.017995469	0.062426922
0.25	3.296	10.130	0.030108156	0.092535077
0.50	4.075	14.205	0.037224130	0.129759208
0.75	5.624	19.829	0.051373867	0.181133075
1.00	8.386	28.215	0.076604063	0.257737138
1.25	10.572	38.787	0.096572640	0.354309778
1.50	10.404	49.191	0.095038001	0.449347778
1.75	16.999	66.190	0.155281716	0.604629494
2.00	16.946	83.136	0.154797574	0.759427068
2.25	13.802	96.938	0.126077901	0.885504969
2.50	7.930	104.868	0.072438614	0.957943584
2.75	2.816	107.684	0.025723473	0.983667056
3.00	0.918	108.602	0.008385706	0.992052762
3.25	0.120	108.722	0.001096171	0.993148933
3.50	0.368	109.090	0.003361590	0.996510523
3.75	0.159	109.249	0.001452426	0.997962949
4.00	0.121	109.370	0.001105305	0.999068255
PAN	0.102	109.472	0.000931745	1.0

<b>TOTAL WT.</b>	109.472	grams	
<b>MEDIAN WT.</b>	54.736	grams	
<b>MEAN GRAIN SIZE</b>	1.58	phi	0.3345 mm

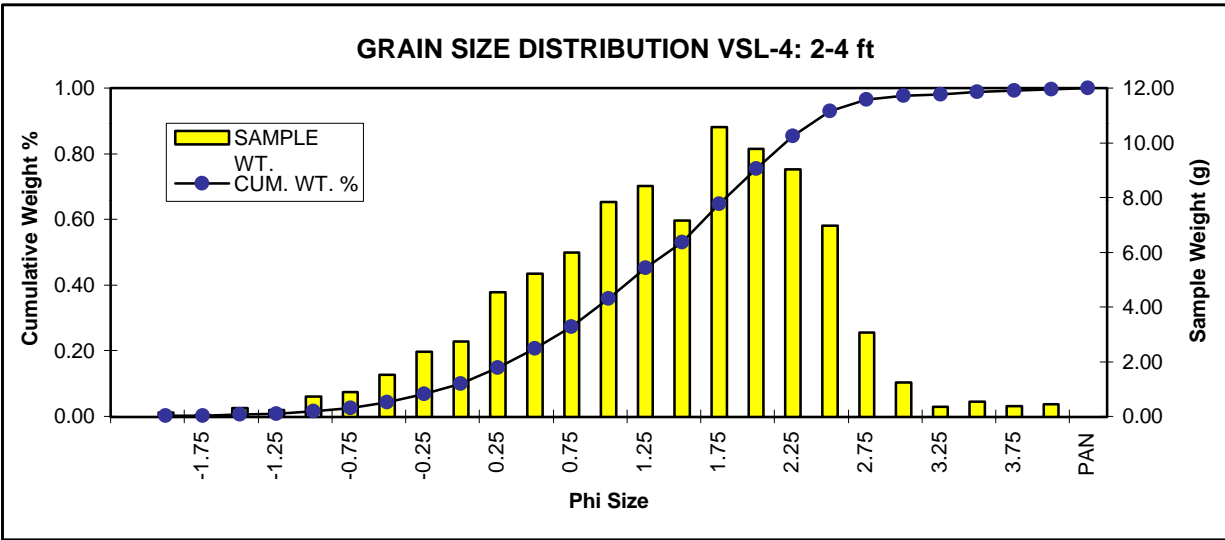


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-4: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.133	0.133	0.001464774	0.001464774
-1.75	0.049	0.182	0.000539654	0.002004427
-1.50	0.313	0.495	0.003447175	0.005451602
-1.25	0.244	0.739	0.002687254	0.008138856
-1.00	0.718	1.457	0.007907576	0.016046432
-0.75	0.885	2.342	0.009746803	0.025793236
-0.50	1.528	3.870	0.016828379	0.042621615
-0.25	2.372	6.242	0.026123636	0.068745250
0.00	2.743	8.985	0.030209584	0.098954834
0.25	4.527	13.512	0.049857377	0.148812212
0.50	5.209	18.721	0.057368473	0.206180685
0.75	5.992	24.713	0.065991916	0.272172601
1.00	7.842	32.555	0.086366590	0.358539191
1.25	8.424	40.979	0.092776352	0.451315543
1.50	7.147	48.126	0.078712321	0.530027864
1.75	10.564	58.690	0.116344894	0.646372757
2.00	9.777	68.467	0.107677397	0.754050155
2.25	9.022	77.489	0.099362328	0.853412483
2.50	6.976	84.465	0.076829040	0.930241522
2.75	3.061	87.526	0.033711825	0.963953348
3.00	1.230	88.756	0.013546405	0.977499752
3.25	0.350	89.106	0.003854668	0.981354420
3.50	0.548	89.654	0.006035309	0.987389729
3.75	0.381	90.035	0.004196081	0.991585810
4.00	0.436	90.471	0.004801815	0.996387625
PAN	0.328	90.799	0.003612375	1.0

**TOTAL WT.** 90.799 grams  
**MEDIAN WT.** 45.400 grams  
**MEAN GRAIN SIZE** 1.4 phi 0.3789 mm

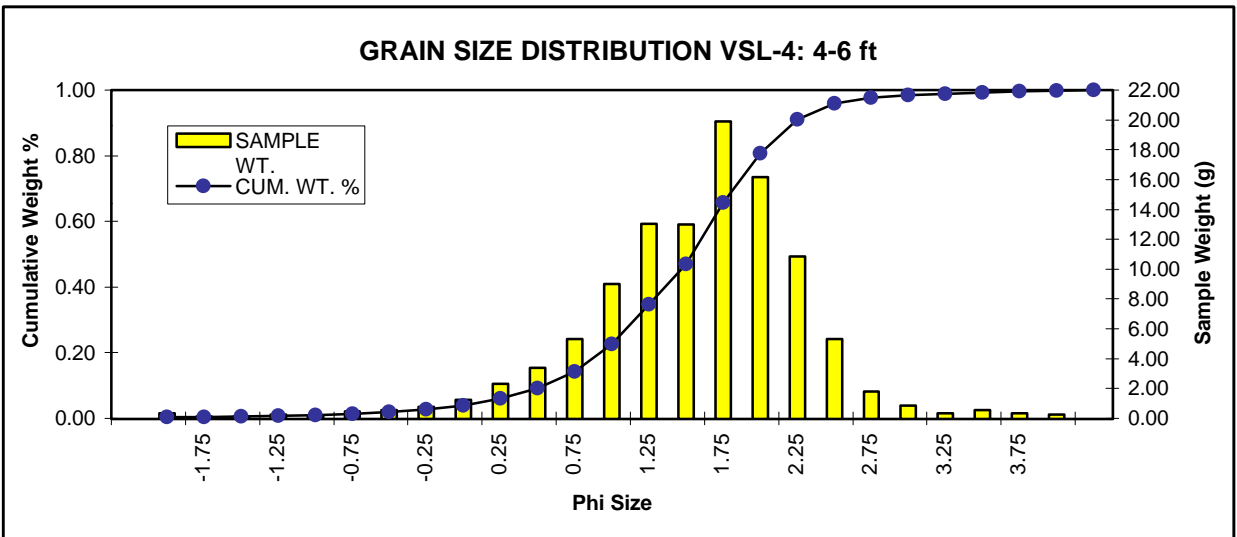


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-4: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.326	0.326	0.003056240	0.003056240
-1.75	0.117	0.443	0.001096872	0.004153112
-1.50	0.149	0.592	0.001396871	0.005549983
-1.25	0.264	0.856	0.002474992	0.008024975
-1.00	0.152	1.008	0.001424996	0.009449970
-0.75	0.483	1.491	0.004528111	0.013978081
-0.50	0.546	2.037	0.005118734	0.019096815
-0.25	0.793	2.830	0.007434352	0.026531167
0.00	1.225	4.055	0.011484339	0.038015506
0.25	2.304	6.359	0.021599933	0.059615439
0.50	3.408	9.767	0.031949900	0.091565339
0.75	5.311	15.078	0.049790469	0.141355808
1.00	9.007	24.085	0.084440361	0.225796169
1.25	13.018	37.103	0.122043369	0.347839538
1.50	12.988	50.091	0.121762119	0.469601657
1.75	19.906	69.997	0.186618167	0.656219824
2.00	16.172	86.169	0.151612026	0.807831851
2.25	10.846	97.015	0.101680932	0.909512783
2.50	5.308	102.323	0.049762344	0.959275127
2.75	1.814	104.137	0.017006197	0.976281324
3.00	0.873	105.010	0.008184349	0.984465674
3.25	0.341	105.351	0.003196865	0.987662539
3.50	0.548	105.899	0.005137484	0.992800022
3.75	0.348	106.247	0.003262490	0.996062512
4.00	0.275	106.522	0.002578117	0.998640629
PAN	0.145	106.667	0.001359371	1.0

**TOTAL WT.** 106.667 grams  
**MEDIAN WT.** 53.334 grams  
**MEAN GRAIN SIZE** 1.54 phi 0.3439 mm

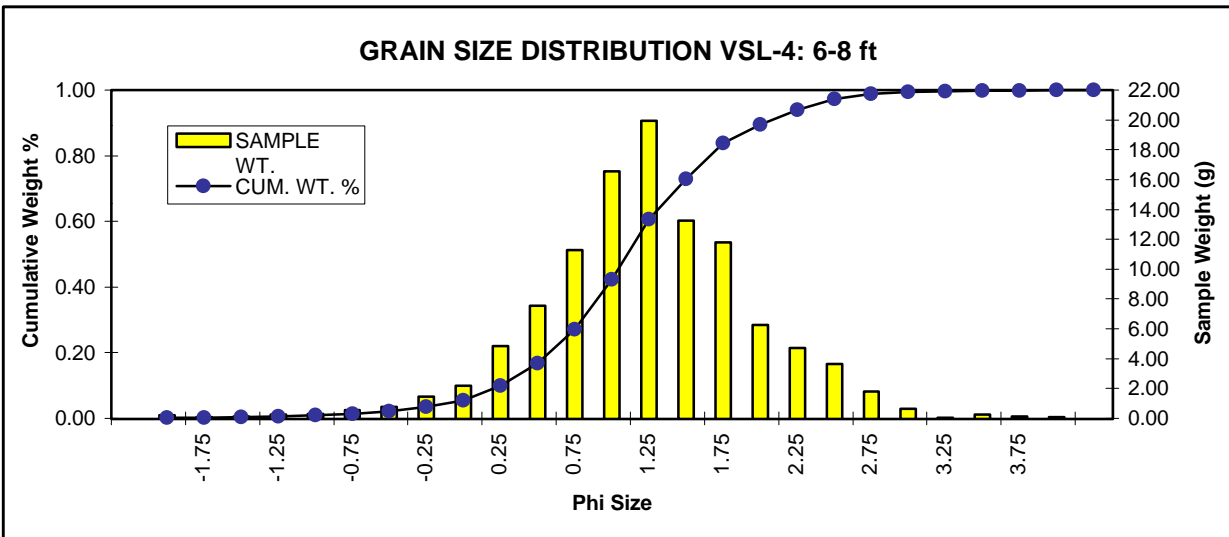


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-4: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.208	0.208	0.001913154	0.001913154
-1.75	0.095	0.303	0.000873796	0.002786950
-1.50	0.147	0.450	0.001352085	0.004139035
-1.25	0.255	0.705	0.002345453	0.006484488
-1.00	0.280	0.985	0.002575399	0.009059887
-0.75	0.545	1.530	0.005012831	0.014072718
-0.50	0.753	2.283	0.006925985	0.020998703
-0.25	1.445	3.728	0.013290901	0.034289604
0.00	2.167	5.895	0.019931752	0.054221356
0.25	4.825	10.720	0.044379651	0.098601006
0.50	7.561	18.281	0.069544982	0.168145988
0.75	11.267	29.548	0.103632233	0.271778221
1.00	16.534	46.082	0.152077336	0.423855557
1.25	19.925	66.007	0.183267262	0.607122819
1.50	13.266	79.273	0.122018745	0.729141564
1.75	11.784	91.057	0.108387524	0.837529088
2.00	6.258	97.315	0.057560177	0.895089265
2.25	4.732	102.047	0.043524250	0.938613515
2.50	3.630	105.677	0.033388214	0.972001729
2.75	1.798	107.475	0.016537743	0.988539473
3.00	0.653	108.128	0.006006199	0.994545672
3.25	0.064	108.192	0.000588663	0.995134335
3.50	0.258	108.450	0.002373047	0.997507381
3.75	0.118	108.568	0.001085347	0.998592728
4.00	0.096	108.664	0.000882994	0.999475722
PAN	0.057	108.721	0.000524278	1.0

**TOTAL WT.** 108.721 grams  
**MEDIAN WT.** 54.361 grams  
**MEAN GRAIN SIZE** 1.1 phi 0.4665 mm



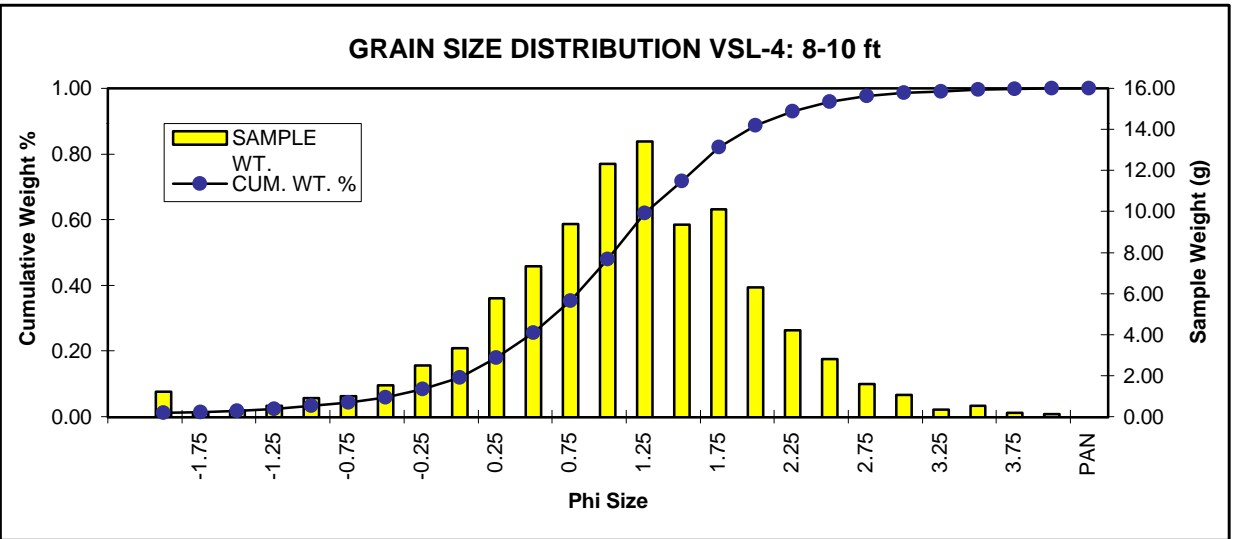


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-4: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.216	1.216	0.012616987	0.012616987
-1.75	0.156	1.372	0.001618627	0.014235614
-1.50	0.300	1.672	0.003112744	0.017348358
-1.25	0.539	2.211	0.005592563	0.022940920
-1.00	0.910	3.121	0.009441989	0.032382909
-0.75	0.996	4.117	0.010334309	0.042717218
-0.50	1.536	5.653	0.015937247	0.058654465
-0.25	2.491	8.144	0.025846147	0.084500612
0.00	3.334	11.478	0.034592957	0.119093569
0.25	5.767	17.245	0.059837307	0.178930876
0.50	7.331	24.576	0.076065077	0.254995953
0.75	9.378	33.954	0.097304364	0.352300317
1.00	12.331	46.285	0.127944137	0.480244454
1.25	13.416	59.701	0.139201893	0.619446347
1.50	9.353	69.054	0.097044969	0.716491315
1.75	10.113	79.167	0.104930586	0.821421901
2.00	6.299	85.466	0.065357239	0.886779140
2.25	4.215	89.681	0.043734047	0.930513188
2.50	2.807	92.488	0.029124904	0.959638092
2.75	1.606	94.094	0.016663554	0.976301646
3.00	1.047	95.141	0.010863475	0.987165121
3.25	0.337	95.478	0.003496649	0.990661769
3.50	0.520	95.998	0.005395422	0.996057191
3.75	0.177	96.175	0.001836519	0.997893710
4.00	0.120	96.295	0.001245097	0.999138808
PAN	0.083	96.378	0.000861192	1.0

<b>TOTAL WT.</b>	96.378	grams	
<b>MEDIAN WT.</b>	48.189	grams	
<b>MEAN GRAIN SIZE</b>	1.04	phi	0.4863 mm

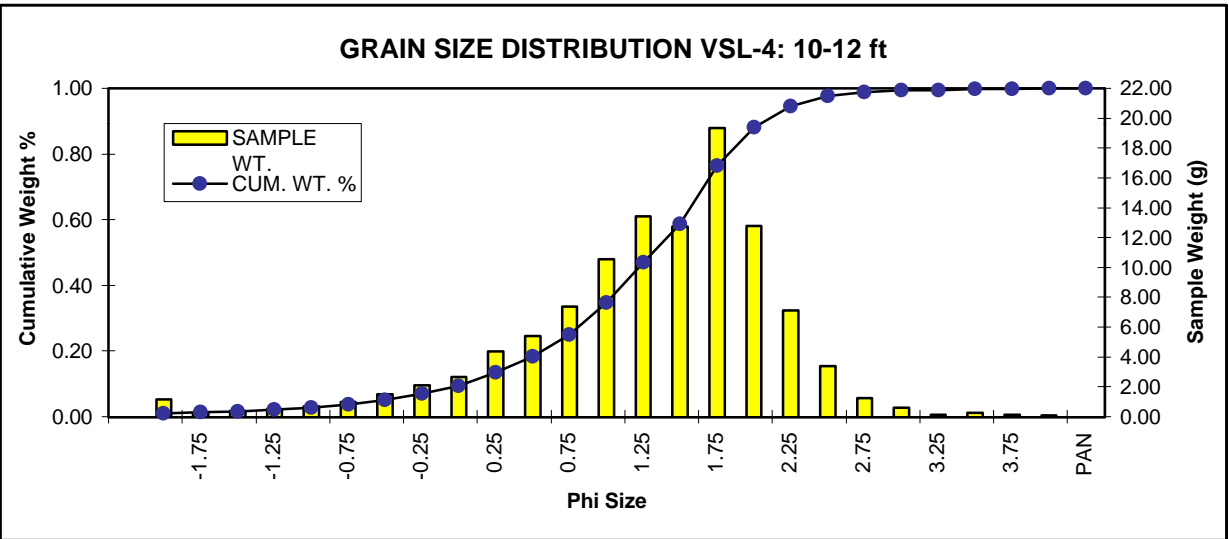


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-4: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.163	1.163	0.010638395	0.010638395
-1.75	0.245	1.408	0.002241106	0.012879502
-1.50	0.386	1.794	0.003530886	0.016410388
-1.25	0.528	2.322	0.004829813	0.021240201
-1.00	0.668	2.990	0.006110445	0.027350646
-0.75	0.989	3.979	0.009046752	0.036397398
-0.50	1.513	5.492	0.013839976	0.050237374
-0.25	2.112	7.604	0.019319252	0.069556627
0.00	2.641	10.245	0.024158213	0.093714840
0.25	4.379	14.624	0.040056348	0.133771188
0.50	5.395	20.019	0.049350079	0.183121267
0.75	7.361	27.380	0.067333815	0.250455082
1.00	10.542	37.922	0.096431610	0.346886691
1.25	13.442	51.364	0.122958992	0.469845684
1.50	12.738	64.102	0.116519241	0.586364925
1.75	19.345	83.447	0.176955937	0.763320862
2.00	12.800	96.247	0.117086379	0.880407241
2.25	7.125	103.372	0.065175035	0.945582276
2.50	3.367	106.739	0.030799206	0.976381482
2.75	1.265	108.004	0.011571427	0.987952909
3.00	0.605	108.609	0.005534161	0.993487070
3.25	0.140	108.749	0.001280632	0.994767702
3.50	0.277	109.026	0.002533822	0.997301525
3.75	0.117	109.143	0.001070243	0.998371768
4.00	0.098	109.241	0.000896443	0.999268210
PAN	0.080	109.321	0.000731790	1.0

<b>TOTAL WT.</b>	109.321	grams	
<b>MEDIAN WT.</b>	54.661	grams	
<b>MEAN GRAIN SIZE</b>	1.31	phi	0.4033 mm

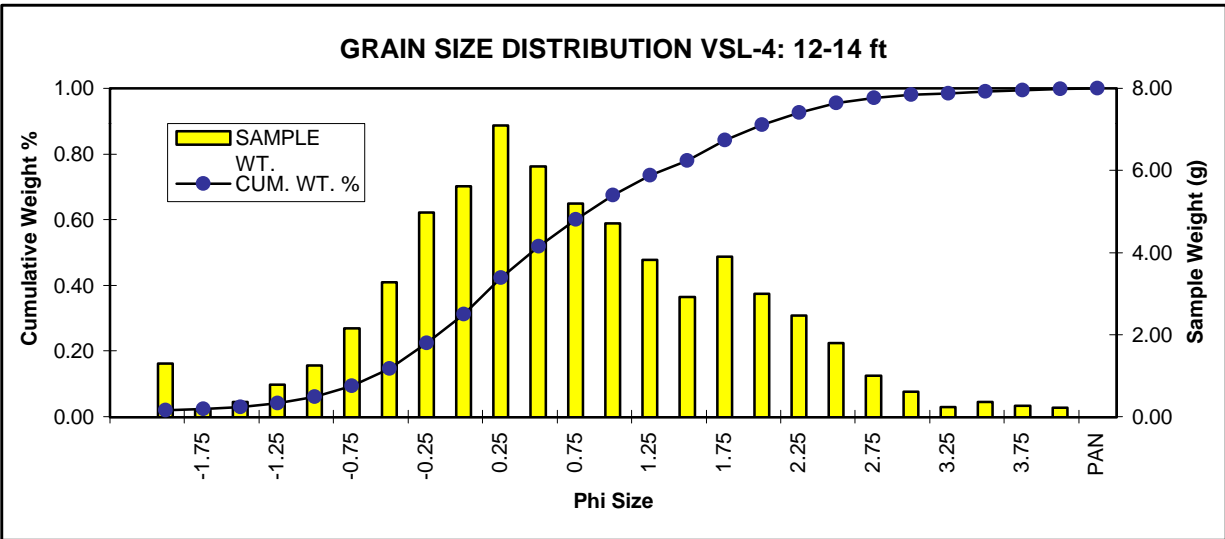


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-4: 12-14 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.287	1.287	0.020207888	0.020207888
-1.75	0.162	1.449	0.002543650	0.022751539
-1.50	0.355	1.804	0.005574048	0.028325587
-1.25	0.774	2.578	0.012152996	0.040478583
-1.00	1.248	3.826	0.019595528	0.060074111
-0.75	2.147	5.973	0.033711217	0.093785328
-0.50	3.282	9.255	0.051532471	0.145317799
-0.25	4.973	14.228	0.078083783	0.223401583
0.00	5.614	19.842	0.088148474	0.311550057
0.25	7.091	26.933	0.111339656	0.422889712
0.50	6.099	33.032	0.095763723	0.518653435
0.75	5.189	38.221	0.081475317	0.600128753
1.00	4.706	42.927	0.073891471	0.674020224
1.25	3.823	46.750	0.060027007	0.734047230
1.50	2.922	49.672	0.045879915	0.779927145
1.75	3.903	53.575	0.061283130	0.841210275
2.00	2.987	56.562	0.046900515	0.888110790
2.25	2.462	59.024	0.038657204	0.926767994
2.50	1.795	60.819	0.028184273	0.954952267
2.75	1.005	61.824	0.015780053	0.970732320
3.00	0.611	62.435	0.009593644	0.980325964
3.25	0.240	62.675	0.003768371	0.984094335
3.50	0.362	63.037	0.005683959	0.989778294
3.75	0.262	63.299	0.004113805	0.993892099
4.00	0.212	63.511	0.003328728	0.997220827
PAN	0.177	63.688	0.002779173	1.0

<b>TOTAL WT.</b>	63.688	grams	
<b>MEDIAN WT.</b>	31.844	grams	
<b>MEAN GRAIN SIZE</b>	0.45	phi	0.7320 mm

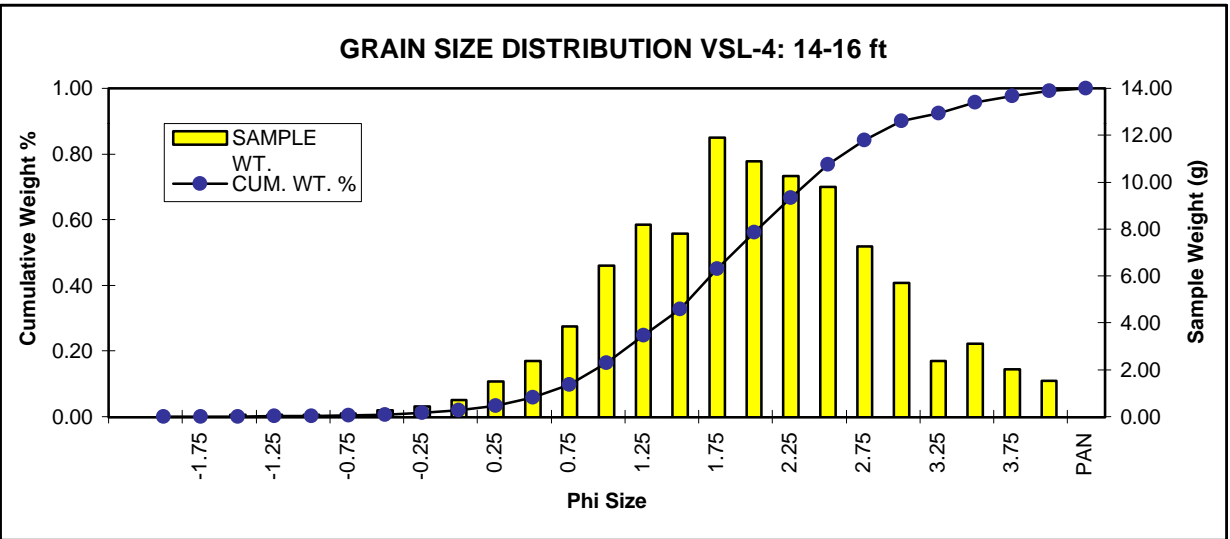


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-4: 14-16 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	0.083	0.083	0.000851483	0.000851483
-1.25	0.077	0.160	0.000789930	0.001641413
-1.00	0.075	0.235	0.000769412	0.002410825
-0.75	0.149	0.384	0.001528566	0.003939391
-0.50	0.275	0.659	0.002821178	0.006760569
-0.25	0.450	1.109	0.004616474	0.011377043
0.00	0.703	1.812	0.007211958	0.018589000
0.25	1.508	3.320	0.015470316	0.034059317
0.50	2.380	5.700	0.024416016	0.058475333
0.75	3.836	9.536	0.039352873	0.097828206
1.00	6.430	15.966	0.065964279	0.163792484
1.25	8.191	24.157	0.084030079	0.247822563
1.50	7.807	31.964	0.080090688	0.327913251
1.75	11.887	43.851	0.121946716	0.449859967
2.00	10.886	54.737	0.111677627	0.561537593
2.25	10.262	64.999	0.105276116	0.666813710
2.50	9.799	74.798	0.100526278	0.767339988
2.75	7.250	82.048	0.074376520	0.841716507
3.00	5.712	87.760	0.058598439	0.900314946
3.25	2.367	90.127	0.024282651	0.924597597
3.50	3.111	93.238	0.031915221	0.956512818
3.75	2.015	95.253	0.020671543	0.977184361
4.00	1.515	96.768	0.015542128	0.992726489
PAN	0.709	97.477	0.007273511	1.0

<b>TOTAL WT.</b>	97.477	grams	
<b>MEDIAN WT.</b>	48.739	grams	
<b>MEAN GRAIN SIZE</b>	1.86	phi	0.2755 mm

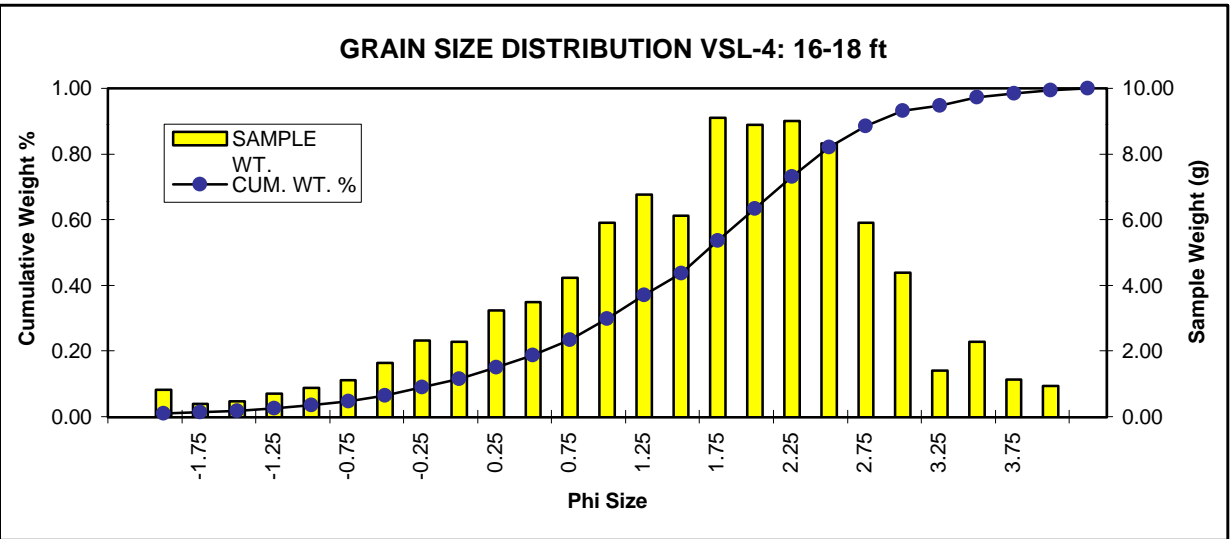


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-4: 16-18 ft

PHI SIZE DISH WT.	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.822	0.822	0.008911922	0.008911922
-1.75	0.390	1.212	0.004228284	0.013140206
-1.50	0.473	1.685	0.005128150	0.018268355
-1.25	0.703	2.388	0.007621753	0.025890108
-1.00	0.878	3.266	0.009519060	0.035409168
-0.75	1.111	4.377	0.012045188	0.047454356
-0.50	1.633	6.010	0.017704584	0.065158940
-0.25	2.311	8.321	0.025055293	0.090214233
0.00	2.288	10.609	0.024805933	0.115020166
0.25	3.238	13.847	0.035105599	0.150125764
0.50	3.483	17.330	0.037761828	0.187887593
0.75	4.233	21.563	0.045893144	0.233780736
1.00	5.909	27.472	0.064063923	0.297844659
1.25	6.757	34.229	0.073257730	0.371102390
1.50	6.117	40.346	0.066319008	0.437421397
1.75	9.111	49.457	0.098779219	0.536200616
2.00	8.892	58.349	0.096404874	0.632605490
2.25	9.003	67.352	0.097608309	0.730213799
2.50	8.329	75.681	0.090300967	0.820514766
2.75	5.898	81.579	0.063944664	0.884459430
3.00	4.379	85.958	0.047476040	0.931935470
3.25	1.411	87.369	0.015297715	0.947233184
3.50	2.279	89.648	0.024708357	0.971941541
3.75	1.123	90.771	0.012175289	0.984116831
4.00	0.926	91.697	0.010039464	0.994156295
PAN	0.539	92.236	0.005843705	1.0

<b>TOTAL WT.</b>	92.236	grams	
<b>MEDIAN WT.</b>	46.118	grams	
<b>MEAN GRAIN SIZE</b>	1.66	phi	0.3164 mm

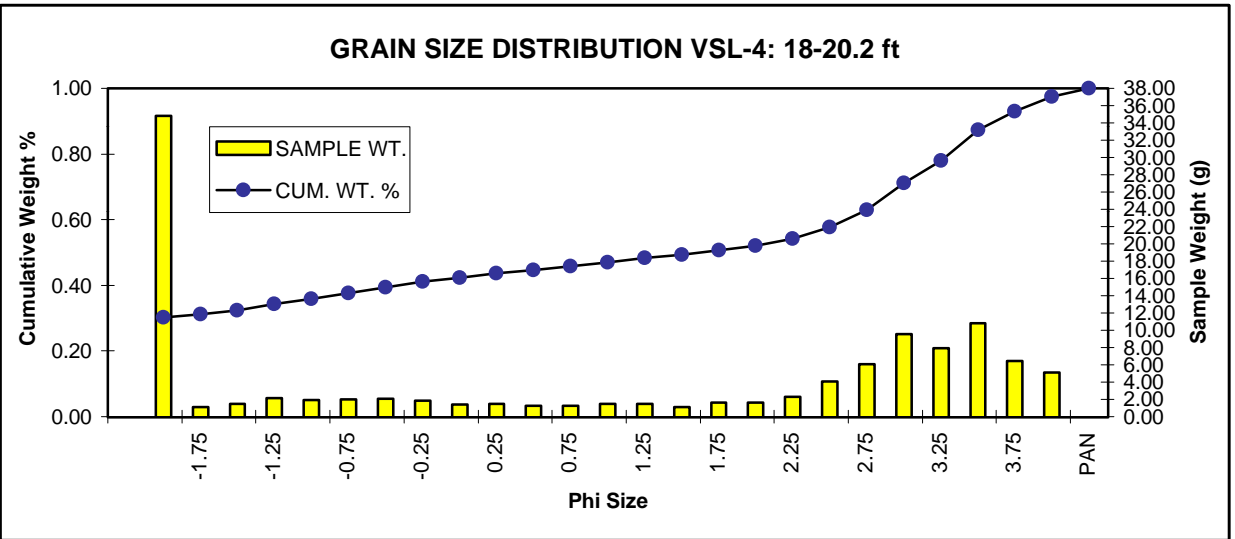


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-4: 18-20.2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	34.801	34.801	0.301761962	0.301761962
-1.75	1.100	35.901	0.009538179	0.311300140
-1.50	1.458	37.359	0.012642422	0.323942563
-1.25	2.134	39.493	0.018504067	0.342446630
-1.00	1.947	41.440	0.016882576	0.359329206
-0.75	1.984	43.424	0.017203406	0.376532612
-0.50	2.082	45.506	0.018053171	0.394585783
-0.25	1.871	47.377	0.016223575	0.410809358
0.00	1.426	48.803	0.012364948	0.423174306
0.25	1.479	50.282	0.012824515	0.435998821
0.50	1.259	51.541	0.010916879	0.446915700
0.75	1.229	52.770	0.010656747	0.457572447
1.00	1.500	54.270	0.013006607	0.470579054
1.25	1.461	55.731	0.012668436	0.483247490
1.50	1.110	56.841	0.009624889	0.492872379
1.75	1.615	58.456	0.014003781	0.506876160
2.00	1.620	60.076	0.014047136	0.520923296
2.25	2.323	62.399	0.020142899	0.541066195
2.50	4.073	66.472	0.035317275	0.576383469
2.75	6.080	72.552	0.052720115	0.629103585
3.00	9.519	82.071	0.082539930	0.711643515
3.25	7.892	89.963	0.068432097	0.780075612
3.50	10.828	100.791	0.093890363	0.873965975
3.75	6.464	107.255	0.056049807	0.930015781
4.00	5.081	112.336	0.044057715	0.974073496
PAN	2.990	115.326	0.025926504	1.0

<b>TOTAL WT.</b>	115.326	grams	
<b>MEDIAN WT.</b>	57.663	grams	
<b>MEAN GRAIN SIZE</b>	1.63	phi	0.3231 mm

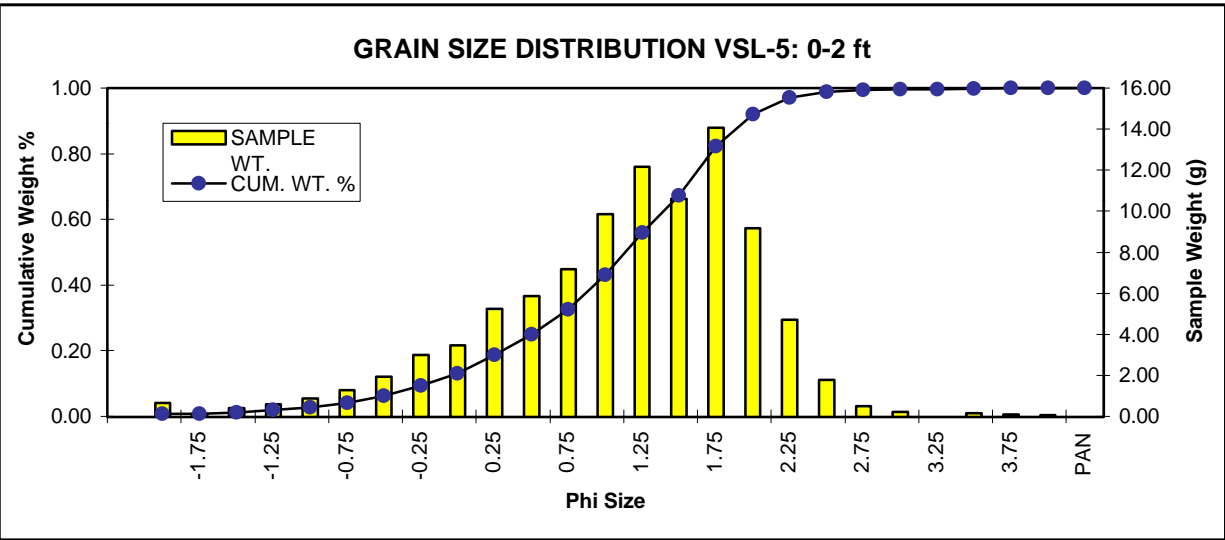


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-5: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.645	0.645	0.006865792	0.006865792
-1.75	0.113	0.758	0.001202844	0.008068637
-1.50	0.410	1.168	0.004364302	0.012432939
-1.25	0.598	1.766	0.006365494	0.018798433
-1.00	0.866	2.632	0.009218258	0.028016691
-0.75	1.292	3.924	0.013752874	0.041769565
-0.50	1.938	5.862	0.020629311	0.062398876
-0.25	2.989	8.851	0.031816827	0.094215703
0.00	3.471	12.322	0.036947543	0.131163246
0.25	5.252	17.574	0.055905646	0.187068892
0.50	5.855	23.429	0.062324363	0.249393256
0.75	7.167	30.596	0.076290130	0.325683386
1.00	9.842	40.438	0.104764541	0.430447926
1.25	12.163	52.601	0.129470749	0.559918675
1.50	10.594	63.195	0.112769309	0.672687984
1.75	14.066	77.261	0.149727497	0.822415482
2.00	9.169	86.430	0.097600698	0.920016180
2.25	4.714	91.144	0.050178830	0.970195010
2.50	1.772	92.916	0.018862301	0.989057311
2.75	0.486	93.402	0.005173295	0.994230605
3.00	0.213	93.615	0.002267308	0.996497914
3.25	0.015	93.630	0.000159670	0.996657583
3.50	0.150	93.780	0.001596696	0.998254279
3.75	0.084	93.864	0.000894150	0.999148429
4.00	0.054	93.918	0.000574811	0.999723239
PAN	0.026	93.944	0.000276761	1.0

**TOTAL WT.** 93.944 grams  
**MEDIAN WT.** 46.972 grams  
**MEAN GRAIN SIZE** 1.13 phi 0.4569 mm

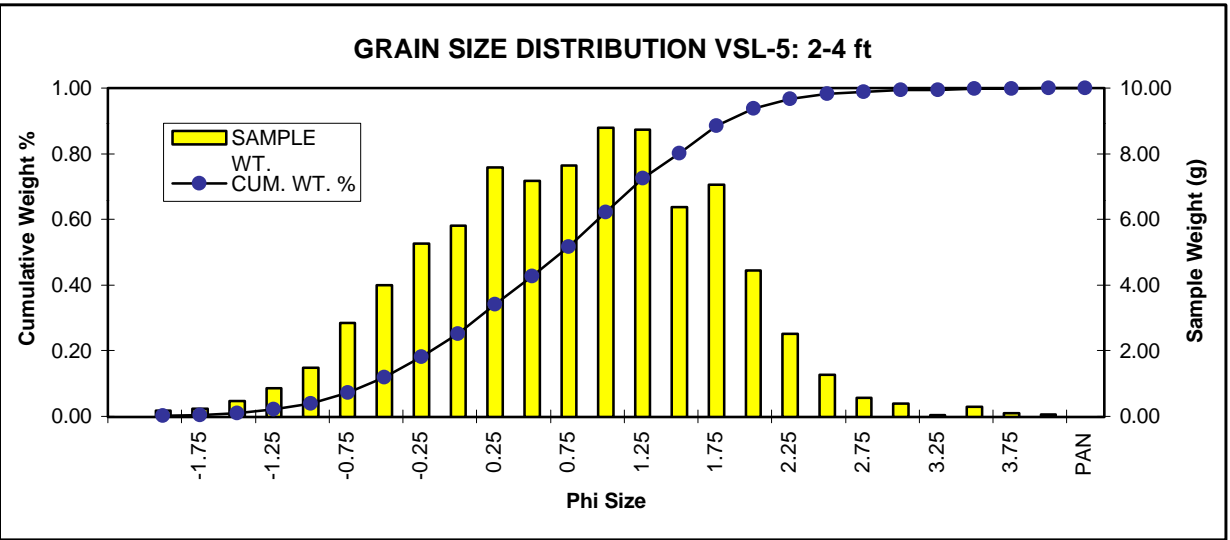


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-5: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.173	0.173	0.002054339	0.002054339
-1.75	0.229	0.402	0.002719327	0.004773666
-1.50	0.475	0.877	0.005640526	0.010414193
-1.25	0.856	1.733	0.010164822	0.020579015
-1.00	1.490	3.223	0.017693440	0.038272455
-0.75	2.848	6.071	0.033819408	0.072091863
-0.50	4.004	10.075	0.047546668	0.119638531
-0.25	5.262	15.337	0.062485157	0.182123688
0.00	5.812	21.149	0.069016292	0.251139980
0.25	7.591	28.740	0.090141548	0.341281528
0.50	7.181	35.921	0.085272883	0.426554410
0.75	7.635	43.556	0.090664038	0.517218449
1.00	8.783	52.339	0.104296300	0.621514748
1.25	8.727	61.066	0.103631311	0.725146060
1.50	6.366	67.432	0.075594927	0.800740987
1.75	7.050	74.482	0.083717285	0.884458272
2.00	4.436	78.918	0.052676578	0.937134850
2.25	2.510	81.428	0.029805728	0.966940579
2.50	1.263	82.691	0.014997863	0.981938441
2.75	0.574	83.265	0.006816131	0.988754572
3.00	0.398	83.663	0.004726167	0.993480739
3.25	0.035	83.698	0.000415618	0.993896357
3.50	0.292	83.990	0.003467439	0.997363796
3.75	0.099	84.089	0.001175604	0.998539401
4.00	0.068	84.157	0.000807486	0.999346886
PAN	0.055	84.212	0.000653114	1.0

<b>TOTAL WT.</b>	84.212	grams	
<b>MEDIAN WT.</b>	42.106	grams	
<b>MEAN GRAIN SIZE</b>	0.7	phi	0.6156 mm



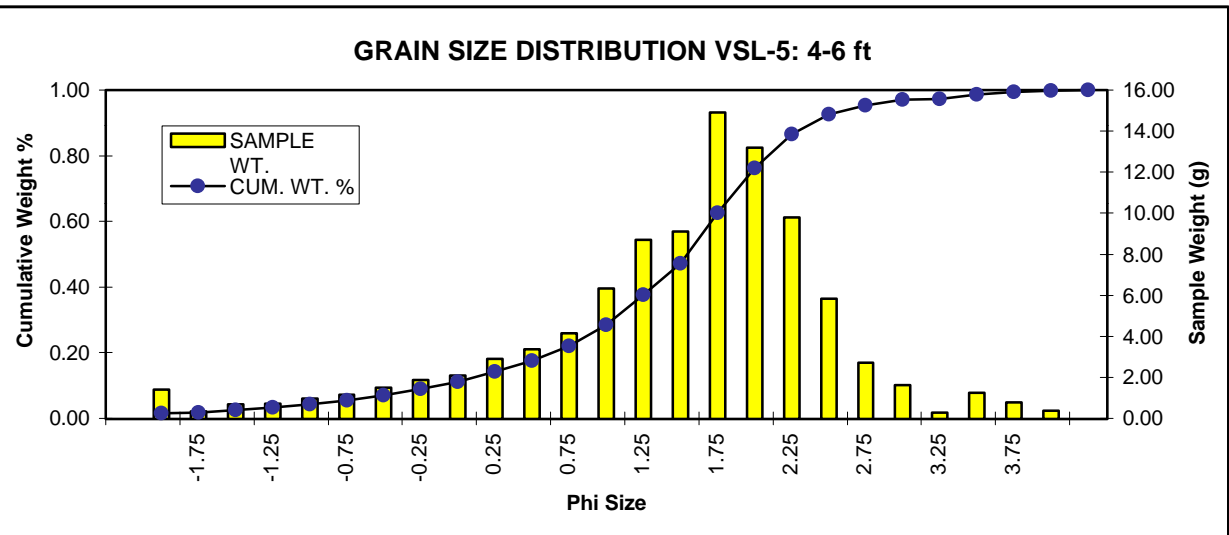


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-5: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.419	1.419	0.014755888	0.014755888
-1.75	0.339	1.758	0.003525191	0.018281079
-1.50	0.679	2.437	0.007060781	0.025341860
-1.25	0.707	3.144	0.007351947	0.032693808
-1.00	0.972	4.116	0.010107628	0.042801435
-0.75	1.150	5.266	0.011958613	0.054760048
-0.50	1.485	6.751	0.015442209	0.070202257
-0.25	1.859	8.610	0.019331358	0.089533614
0.00	2.078	10.688	0.021608693	0.111142307
0.25	2.907	13.595	0.030229293	0.141371601
0.50	3.357	16.952	0.034908751	0.176280351
0.75	4.161	21.113	0.043269381	0.219549732
1.00	6.340	27.453	0.065928352	0.285478085
1.25	8.716	36.169	0.090635886	0.376113971
1.50	9.105	45.274	0.094681017	0.470794988
1.75	14.910	60.184	0.155046015	0.625841002
2.00	13.187	73.371	0.137128893	0.762969895
2.25	9.781	83.152	0.101710602	0.864680497
2.50	5.832	88.984	0.060645765	0.925326262
2.75	2.709	91.693	0.028170332	0.953496594
3.00	1.619	93.312	0.016835647	0.970332241
3.25	0.293	93.605	0.003046847	0.973379088
3.50	1.252	94.857	0.013019290	0.986398378
3.75	0.775	95.632	0.008059065	0.994457443
4.00	0.372	96.004	0.003868351	0.998325794
PAN	0.161	96.165	0.001674206	1.0

<b>TOTAL WT.</b>	96.165	grams	
<b>MEDIAN WT.</b>	48.083	grams	
<b>MEAN GRAIN SIZE</b>	1.55	phi	0.3415 mm

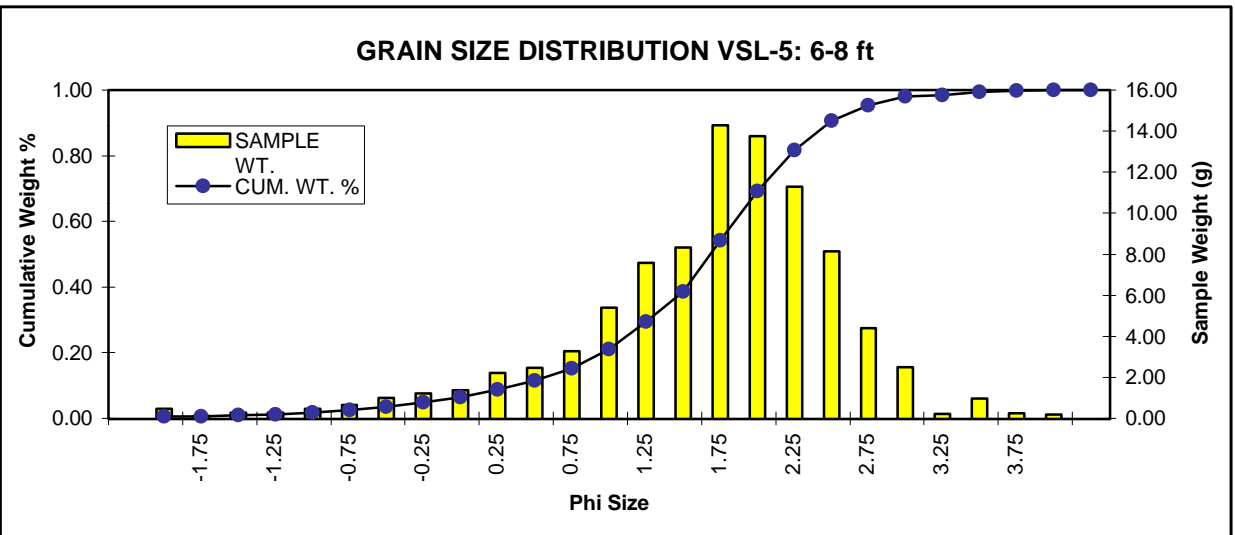


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-5: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.459	0.459	0.005031515	0.005031515
-1.75	0.118	0.577	0.001293505	0.006325021
-1.50	0.285	0.862	0.003124144	0.009449164
-1.25	0.292	1.154	0.003200877	0.012650041
-1.00	0.455	1.609	0.004987668	0.017637709
-0.75	0.664	2.273	0.007278706	0.024916415
-0.50	1.000	3.273	0.010961907	0.035878323
-0.25	1.227	4.500	0.013450260	0.049328583
0.00	1.384	5.884	0.015171280	0.064499863
0.25	2.201	8.085	0.024127158	0.088627021
0.50	2.458	10.543	0.026944368	0.115571389
0.75	3.287	13.830	0.036031790	0.151603179
1.00	5.384	19.214	0.059018909	0.210622088
1.25	7.578	26.792	0.083069334	0.293691422
1.50	8.340	35.132	0.091422307	0.385113730
1.75	14.284	49.416	0.156579885	0.541693615
2.00	13.765	63.181	0.150890655	0.692584270
2.25	11.305	74.486	0.123924363	0.816508633
2.50	8.130	82.616	0.089120307	0.905628939
2.75	4.409	87.025	0.048331050	0.953959989
3.00	2.486	89.511	0.027251302	0.981211291
3.25	0.218	89.729	0.002389696	0.983600987
3.50	0.976	90.705	0.010698822	0.994299808
3.75	0.259	90.964	0.002839134	0.997138942
4.00	0.179	91.143	0.001962181	0.999101124
PAN	0.082	91.225	0.000898876	1.0

<b>TOTAL WT.</b>	91.225	grams	
<b>MEDIAN WT.</b>	45.613	grams	
<b>MEAN GRAIN SIZE</b>	1.68	phi	0.3121 mm

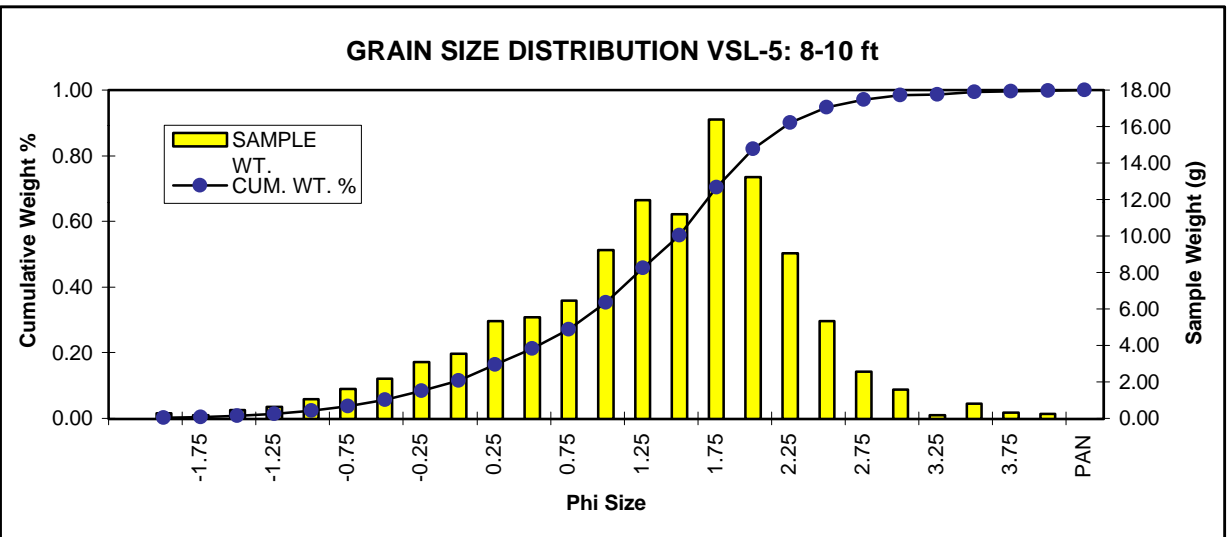


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-5: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.298	0.298	0.002646466	0.002646466
-1.75	0.184	0.482	0.001634059	0.004280525
-1.50	0.468	0.950	0.004156195	0.008436720
-1.25	0.633	1.583	0.005621520	0.014058240
-1.00	1.061	2.644	0.009422484	0.023480724
-0.75	1.621	4.265	0.014395709	0.037876433
-0.50	2.159	6.424	0.019173557	0.057049990
-0.25	3.094	9.518	0.027477065	0.084527055
0.00	3.542	13.060	0.031455645	0.115982700
0.25	5.331	18.391	0.047343321	0.163326022
0.50	5.539	23.930	0.049190519	0.212516540
0.75	6.472	30.402	0.057476266	0.269992807
1.00	9.218	39.620	0.081862828	0.351855634
1.25	11.977	51.597	0.106364839	0.458220474
1.50	11.210	62.807	0.099553298	0.557773772
1.75	16.387	79.194	0.145528982	0.703302754
2.00	13.218	92.412	0.117385860	0.820688614
2.25	9.037	101.449	0.080255411	0.900944025
2.50	5.330	106.779	0.047334440	0.948278465
2.75	2.564	109.343	0.022770264	0.971048729
3.00	1.583	110.926	0.014058240	0.985106969
3.25	0.184	111.110	0.001634059	0.986741028
3.50	0.815	111.925	0.007237818	0.993978846
3.75	0.322	112.247	0.002859604	0.996838450
4.00	0.239	112.486	0.002122501	0.998960951
PAN	0.117	112.603	0.001039049	1.0

<b>TOTAL WT.</b>	112.603	grams	
<b>MEDIAN WT.</b>	56.302	grams	
<b>MEAN GRAIN SIZE</b>	1.35	phi	0.3923 mm

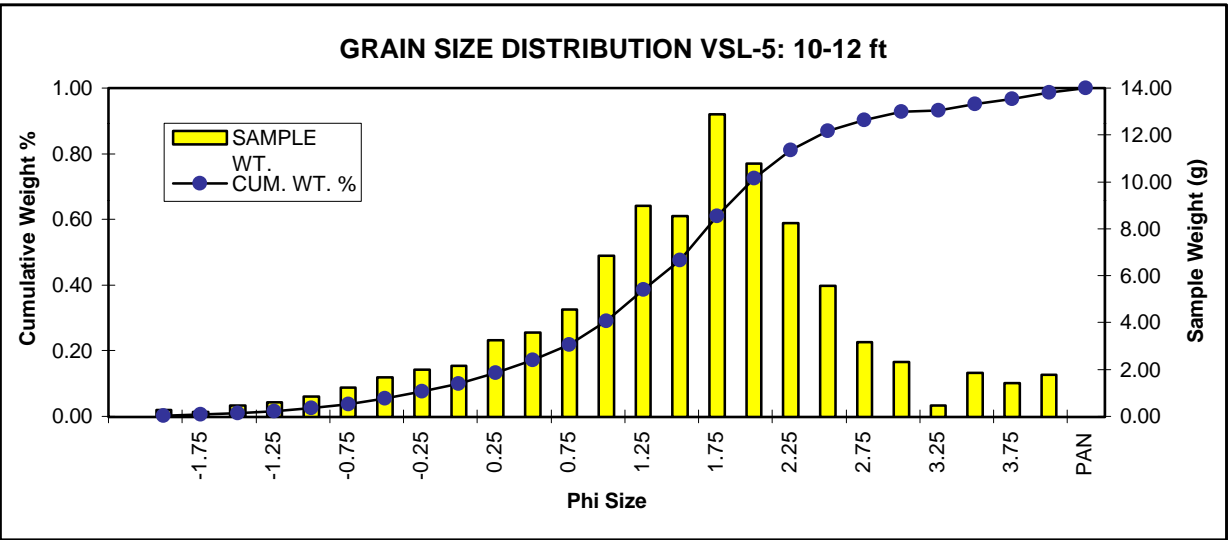


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-5: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.275	0.275	0.002895499	0.002895499
-1.75	0.194	0.469	0.002042643	0.004938142
-1.50	0.455	0.924	0.004790734	0.009728876
-1.25	0.588	1.512	0.006191103	0.015919979
-1.00	0.849	2.361	0.008939195	0.024859173
-0.75	1.230	3.591	0.012950777	0.037809950
-0.50	1.671	5.262	0.017594104	0.055404054
-0.25	1.988	7.250	0.020931824	0.076335878
0.00	2.152	9.402	0.022658594	0.098994472
0.25	3.261	12.663	0.034335351	0.133329824
0.50	3.566	16.229	0.037546723	0.170876546
0.75	4.555	20.784	0.047959989	0.218836536
1.00	6.845	27.629	0.072071598	0.290908134
1.25	8.971	36.600	0.094456436	0.385364570
1.50	8.539	45.139	0.089907870	0.475272440
1.75	12.880	58.019	0.135614635	0.610887076
2.00	10.785	68.804	0.113556199	0.724443275
2.25	8.231	77.035	0.086664912	0.811108186
2.50	5.565	82.600	0.058594367	0.869702553
2.75	3.179	85.779	0.033471966	0.903174520
3.00	2.322	88.101	0.024448539	0.927623059
3.25	0.463	88.564	0.004874967	0.932498026
3.50	1.853	90.417	0.019510397	0.952008423
3.75	1.430	91.847	0.015056594	0.967065017
4.00	1.769	93.616	0.018625954	0.985690971
PAN	1.359	94.975	0.014309029	1.0

<b>TOTAL WT.</b>	94.975	grams	
<b>MEDIAN WT.</b>	47.488	grams	
<b>MEAN GRAIN SIZE</b>	1.55	phi	0.3415 mm

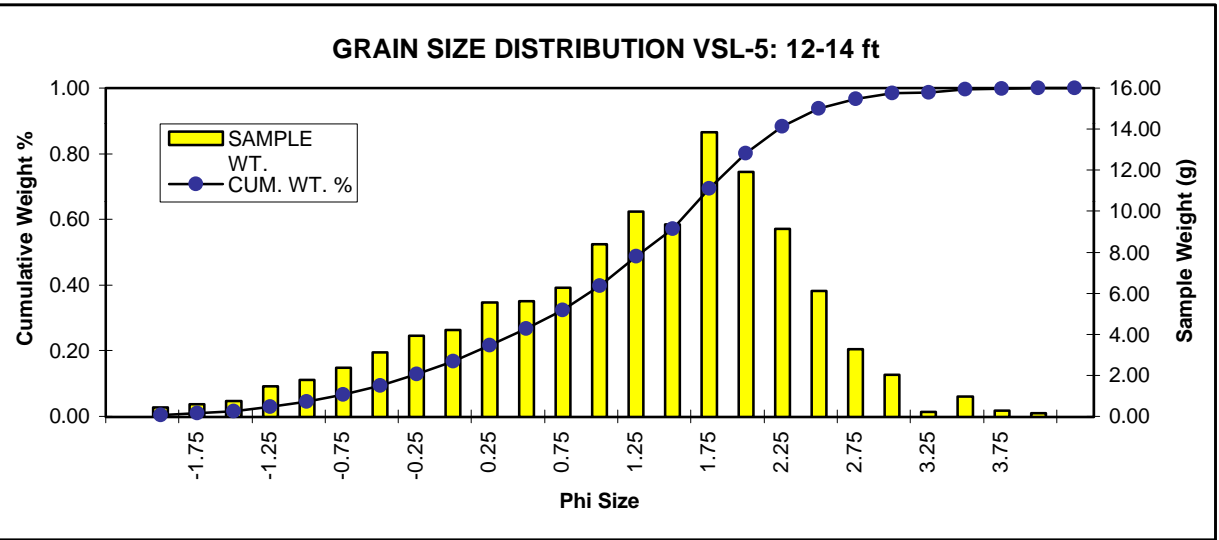


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-5: 12-14 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.434	0.434	0.003880127	0.003880127
-1.75	0.606	1.040	0.005417874	0.009298001
-1.50	0.756	1.796	0.006758931	0.016056932
-1.25	1.452	3.248	0.012981440	0.029038372
-1.00	1.785	5.033	0.015958588	0.044996960
-0.75	2.382	7.415	0.021295998	0.066292959
-0.50	3.128	10.543	0.027965526	0.094258484
-0.25	3.923	14.466	0.035073132	0.129331617
0.00	4.201	18.667	0.037558560	0.166890176
0.25	5.544	24.211	0.049565497	0.216455674
0.50	5.622	29.833	0.050262847	0.266718521
0.75	6.269	36.102	0.056047277	0.322765798
1.00	8.392	44.494	0.075027715	0.397793513
1.25	9.972	54.466	0.089153524	0.486947037
1.50	9.348	63.814	0.083574724	0.570521761
1.75	13.861	77.675	0.123922684	0.694444444
2.00	11.922	89.597	0.106587276	0.801031720
2.25	9.143	98.740	0.081741945	0.882773665
2.50	6.118	104.858	0.054697279	0.937470944
2.75	3.262	108.120	0.029163538	0.966634481
3.00	2.025	110.145	0.018104281	0.984738762
3.25	0.230	110.375	0.002056289	0.986795051
3.50	0.964	111.339	0.008618532	0.995413582
3.75	0.267	111.606	0.002387083	0.997800665
4.00	0.153	111.759	0.001367879	0.999168544
PAN	0.093	111.852	0.000831456	1.0

<b>TOTAL WT.</b>	111.852	grams	
<b>MEDIAN WT.</b>	55.926	grams	
<b>MEAN GRAIN SIZE</b>	1.29	phi	0.4090 mm

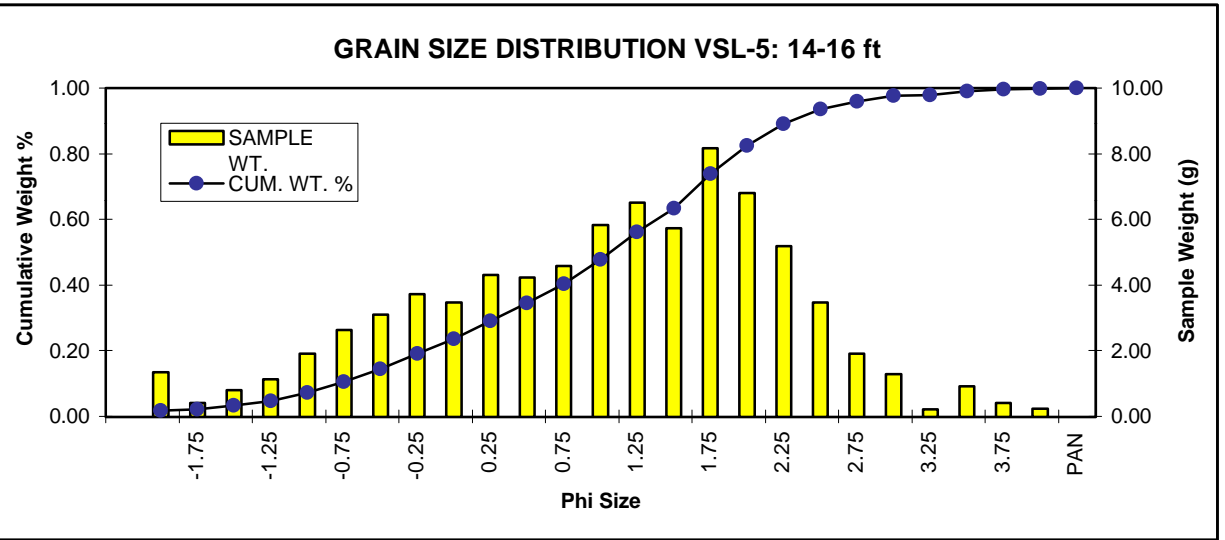


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-5: 14-16 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.337	1.337	0.017055964	0.017055964
-1.75	0.409	1.746	0.005217569	0.022273533
-1.50	0.792	2.538	0.010103458	0.032376992
-1.25	1.134	3.672	0.014466315	0.046843307
-1.00	1.919	5.591	0.024480476	0.071323783
-0.75	2.622	8.213	0.033448571	0.104772353
-0.50	3.099	11.312	0.039533608	0.144305961
-0.25	3.721	15.033	0.047468395	0.191774356
0.00	3.472	18.505	0.044291929	0.236066285
0.25	4.308	22.813	0.054956690	0.291022975
0.50	4.226	27.039	0.053910625	0.344933600
0.75	4.580	31.619	0.058426565	0.403360165
1.00	5.819	37.438	0.074232354	0.477592519
1.25	6.514	43.952	0.083098394	0.560690913
1.50	5.739	49.691	0.073211803	0.633902716
1.75	8.168	57.859	0.104198293	0.738101009
2.00	6.801	64.660	0.086759622	0.824860631
2.25	5.183	69.843	0.066118971	0.890979602
2.50	3.470	73.313	0.044266415	0.935246017
2.75	1.911	75.224	0.024378420	0.959624437
3.00	1.287	76.511	0.016418120	0.976042557
3.25	0.212	76.723	0.002704461	0.978747018
3.50	0.918	77.641	0.011710827	0.990457845
3.75	0.408	78.049	0.005204812	0.995662657
4.00	0.228	78.277	0.002908571	0.998571228
PAN	0.112	78.389	0.001428772	1.0

<b>TOTAL WT.</b>	78.389	grams	
<b>MEDIAN WT.</b>	39.195	grams	
<b>MEAN GRAIN SIZE</b>	1.07	phi	0.4763 mm

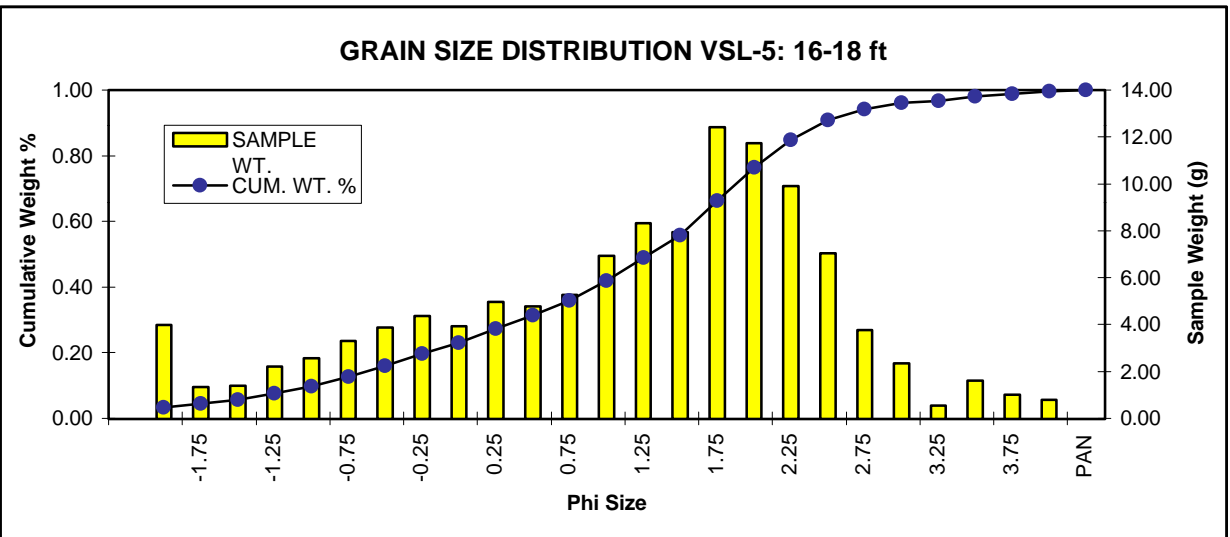


# GRAIN SIZE DISTRIBUTION CHART

CORE VSL-5: 16-18 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	3.972	3.972	0.034006849	0.034006849
-1.75	1.325	5.297	0.011344178	0.045351027
-1.50	1.386	6.683	0.011866438	0.057217466
-1.25	2.212	8.895	0.018938356	0.076155822
-1.00	2.575	11.470	0.022046233	0.098202055
-0.75	3.297	14.767	0.028227740	0.126429795
-0.50	3.879	18.646	0.033210616	0.159640411
-0.25	4.353	22.999	0.037268836	0.196909247
0.00	3.926	26.925	0.033613014	0.230522260
0.25	4.960	31.885	0.042465753	0.272988014
0.50	4.763	36.648	0.040779110	0.313767123
0.75	5.279	41.927	0.045196918	0.358964041
1.00	6.938	48.865	0.059400685	0.418364726
1.25	8.316	57.181	0.071198630	0.489563356
1.50	7.929	65.110	0.067885274	0.557448630
1.75	12.410	77.520	0.106250000	0.663698630
2.00	11.734	89.254	0.100462329	0.764160959
2.25	9.896	99.150	0.084726027	0.848886986
2.50	7.042	106.192	0.060291096	0.909178082
2.75	3.761	109.953	0.032200342	0.941378425
3.00	2.342	112.295	0.020051370	0.961429795
3.25	0.549	112.844	0.004700342	0.966130137
3.50	1.606	114.450	0.013750000	0.979880137
3.75	1.023	115.473	0.008758562	0.988638699
4.00	0.797	116.270	0.006823630	0.995462329
PAN	0.530	116.800	0.004537671	1.0

TOTAL WT. 116.800 grams  
 MEDIAN WT. 58.400 grams  
 MEAN GRAIN SIZE 1.29 phi 0.4090 mm

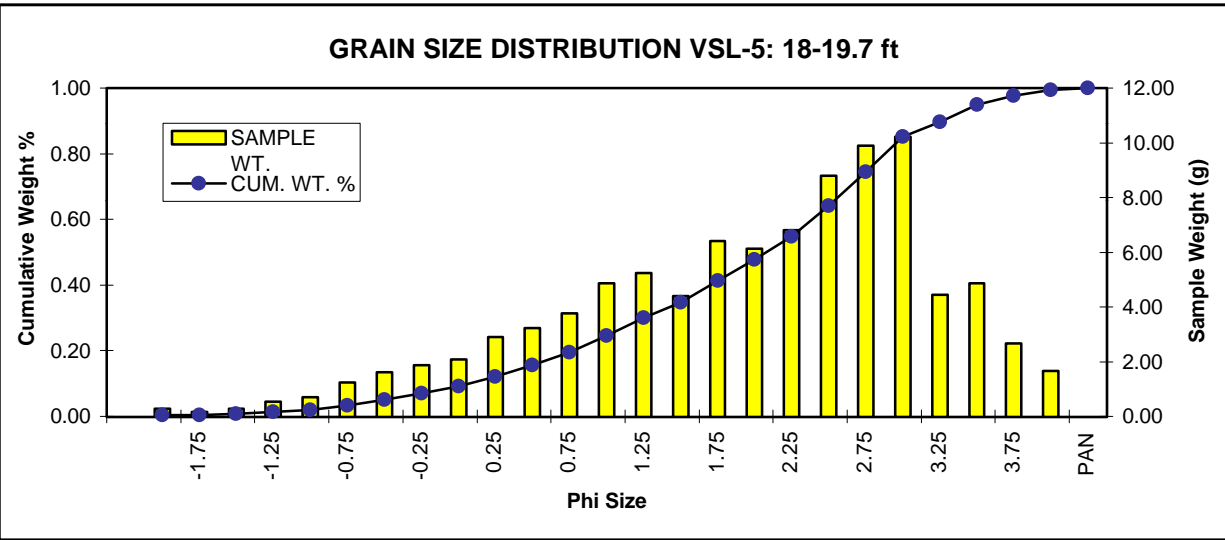


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-5: 18-19.7 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.280	0.280	0.002925137	0.002925137
-1.75	0.166	0.446	0.001734189	0.004659326
-1.50	0.270	0.716	0.002820668	0.007479994
-1.25	0.540	1.256	0.005641336	0.013121331
-1.00	0.692	1.948	0.007229268	0.020350599
-0.75	1.246	3.194	0.013016861	0.033367460
-0.50	1.621	4.815	0.016934456	0.050301916
-0.25	1.869	6.684	0.019525292	0.069827208
0.00	2.078	8.762	0.021708698	0.091535906
0.25	2.896	11.658	0.030254278	0.121790184
0.50	3.217	14.875	0.033607739	0.155397923
0.75	3.763	18.638	0.039311757	0.194709680
1.00	4.865	23.503	0.050824262	0.245533942
1.25	5.250	28.753	0.054846326	0.300380268
1.50	4.404	33.157	0.046008232	0.346388500
1.75	6.416	39.573	0.067027434	0.413415934
2.00	6.138	45.711	0.064123190	0.477539124
2.25	6.809	52.520	0.071133073	0.548672197
2.50	8.804	61.324	0.091974677	0.640646873
2.75	9.906	71.230	0.103487182	0.744134055
3.00	10.223	81.453	0.106798855	0.850932910
3.25	4.454	85.907	0.046530578	0.897463488
3.50	4.872	90.779	0.050897390	0.948360878
3.75	2.664	93.443	0.027830593	0.976191471
4.00	1.656	95.099	0.017300098	0.993491569
PAN	0.623	95.722	0.006508431	1.0

**TOTAL WT.** 95.722 grams  
**MEDIAN WT.** 47.861 grams  
**MEAN GRAIN SIZE** 2.08 phi 0.2365 mm



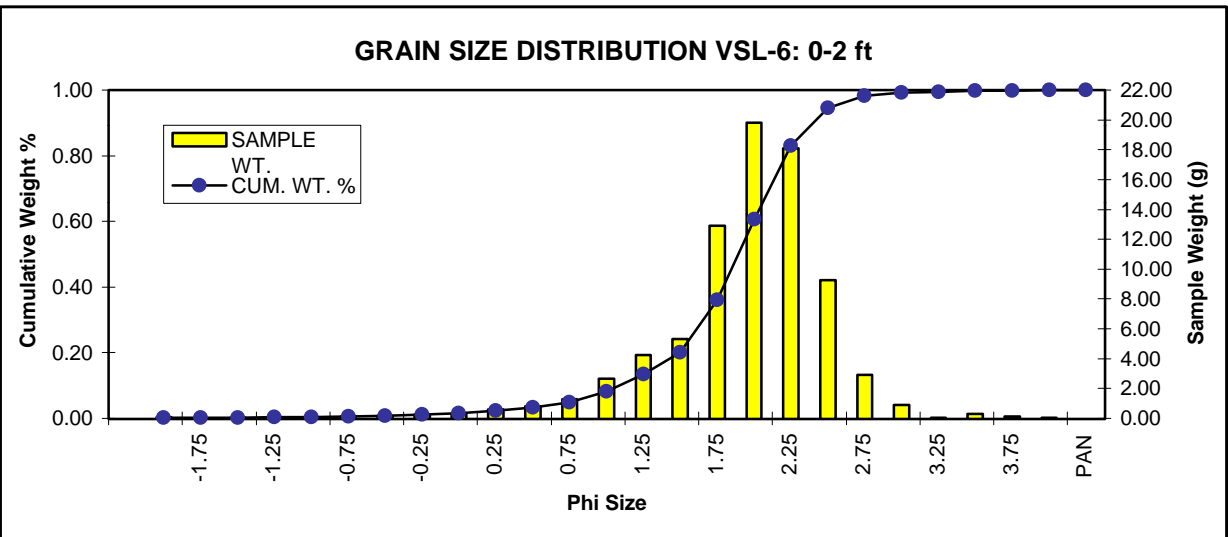


# GRAIN SIZE DISTRIBUTION CHART

CORE VSL-6: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.084	0.084	0.001041770	0.001041770
-1.75	0.017	0.101	0.000210834	0.001252604
-1.50	0.039	0.140	0.000483679	0.001736283
-1.25	0.096	0.236	0.001190594	0.002926878
-1.00	0.085	0.321	0.001054172	0.003981050
-0.75	0.123	0.444	0.001525449	0.005506499
-0.50	0.183	0.627	0.002269570	0.007776069
-0.25	0.240	0.867	0.002976486	0.010752555
0.00	0.360	1.227	0.004464729	0.015217283
0.25	0.600	1.827	0.007441214	0.022658498
0.50	0.811	2.638	0.010058041	0.032716539
0.75	1.299	3.937	0.016110229	0.048826769
1.00	2.643	6.580	0.032778549	0.081605318
1.25	4.241	10.821	0.052596984	0.134202302
1.50	5.332	16.153	0.066127592	0.200329894
1.75	12.890	29.043	0.159862089	0.360191983
2.00	19.816	48.859	0.245758508	0.605950491
2.25	18.113	66.972	0.224637861	0.830588352
2.50	9.265	76.237	0.114904752	0.945493104
2.75	2.915	79.152	0.036151900	0.981645004
3.00	0.889	80.041	0.011025399	0.992670404
3.25	0.051	80.092	0.000632503	0.993302907
3.50	0.315	80.407	0.003906638	0.997209545
3.75	0.112	80.519	0.001389027	0.998598571
4.00	0.064	80.583	0.000793730	0.999392301
PAN	0.049	80.632	0.000607699	1.0

TOTAL WT. 80.632 grams  
 MEDIAN WT. 40.316 grams  
 MEAN GRAIN SIZE 1.89 phi 0.2698 mm

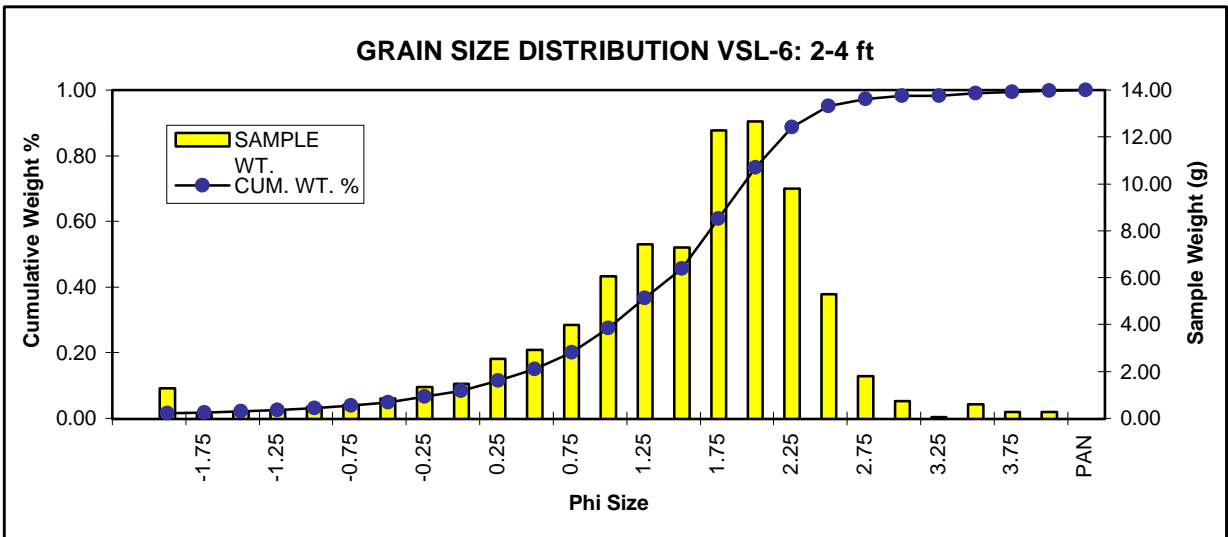


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-6: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.294	1.294	0.015979649	0.015979649
-1.75	0.168	1.462	0.002074638	0.018054286
-1.50	0.261	1.723	0.003223098	0.021277384
-1.25	0.318	2.041	0.003926993	0.025204376
-1.00	0.492	2.533	0.006075724	0.031280101
-0.75	0.586	3.119	0.007236533	0.038516634
-0.50	0.851	3.970	0.010509027	0.049025661
-0.25	1.337	5.307	0.016510657	0.065536319
0.00	1.470	6.777	0.018153079	0.083689397
0.25	2.548	9.325	0.031465336	0.115154733
0.50	2.907	12.232	0.035898639	0.151053373
0.75	3.994	16.226	0.049322038	0.200375411
1.00	6.065	22.291	0.074896886	0.275272296
1.25	7.411	29.702	0.091518684	0.366790980
1.50	7.292	36.994	0.090049149	0.456840129
1.75	12.293	49.287	0.151806664	0.608646793
2.00	12.666	61.953	0.156412853	0.765059646
2.25	9.791	71.744	0.120909383	0.885969029
2.50	5.285	77.029	0.065264640	0.951233668
2.75	1.800	78.829	0.022228260	0.973461928
3.00	0.738	79.567	0.009113586	0.982575514
3.25	0.049	79.616	0.000605103	0.983180617
3.50	0.592	80.208	0.007310628	0.990491245
3.75	0.286	80.494	0.003531823	0.994023068
4.00	0.278	80.772	0.003433031	0.997456099
PAN	0.206	80.978	0.002543901	1.0

**TOTAL WT.** 80.978 grams  
**MEDIAN WT.** 40.489 grams  
**MEAN GRAIN SIZE** 1.57 phi 0.3368 mm

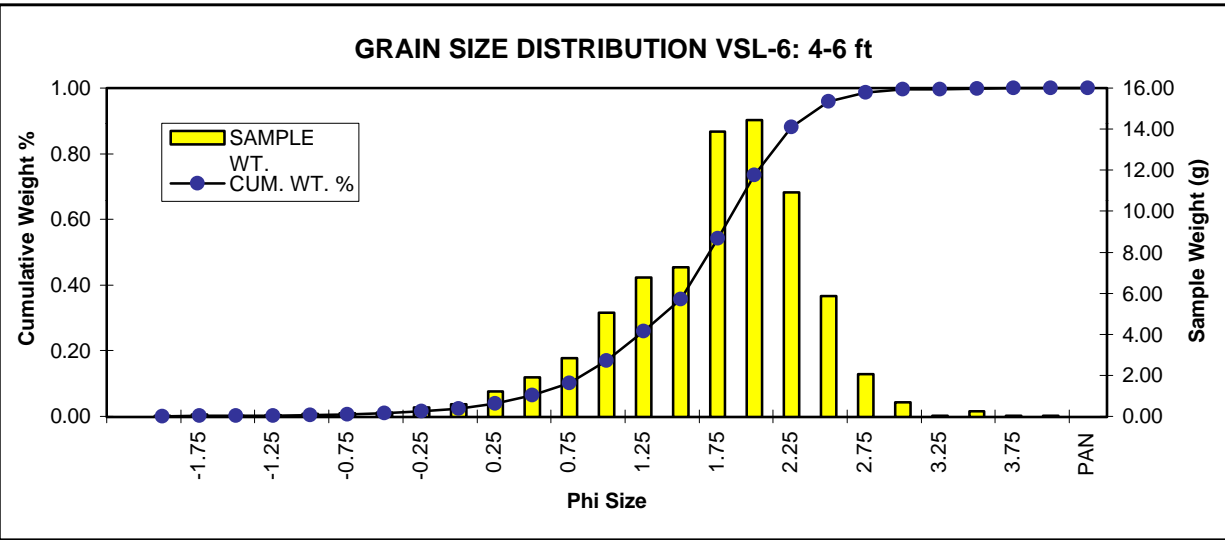


# GRAIN SIZE DISTRIBUTION CHART

CORE VSL-6: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.031	0.031	0.000413626	0.000413626
-1.75	0.092	0.123	0.001227534	0.001641160
-1.50	0.028	0.151	0.000373597	0.002014757
-1.25	0.058	0.209	0.000773880	0.002788637
-1.00	0.119	0.328	0.001587789	0.004376426
-0.75	0.149	0.477	0.001988072	0.006364498
-0.50	0.188	0.665	0.002508439	0.008872937
-0.25	0.440	1.105	0.005870815	0.014743752
0.00	0.578	1.683	0.007712117	0.022455869
0.25	1.201	2.884	0.016024657	0.038480526
0.50	1.901	4.785	0.025364591	0.063845117
0.75	2.850	7.635	0.038026872	0.101871990
1.00	5.058	12.693	0.067487691	0.169359681
1.25	6.766	19.459	0.090277129	0.259636810
1.50	7.261	26.720	0.096881796	0.356518606
1.75	13.892	40.612	0.185357653	0.541876259
2.00	14.455	55.067	0.192869628	0.734745887
2.25	10.905	65.972	0.145502822	0.880248709
2.50	5.873	71.845	0.078362043	0.958610752
2.75	2.053	73.898	0.027392691	0.986003442
3.00	0.692	74.590	0.009233191	0.995236634
3.25	0.030	74.620	0.000400283	0.995636917
3.50	0.239	74.859	0.003188920	0.998825837
3.75	0.043	74.902	0.000573739	0.999399576
4.00	0.023	74.925	0.000306884	0.999706459
PAN	0.022	74.947	0.000293541	1.0

<b>TOTAL WT.</b>	74.947	grams	
<b>MEDIAN WT.</b>	37.474	grams	
<b>MEAN GRAIN SIZE</b>	1.69	phi	0.3099 mm

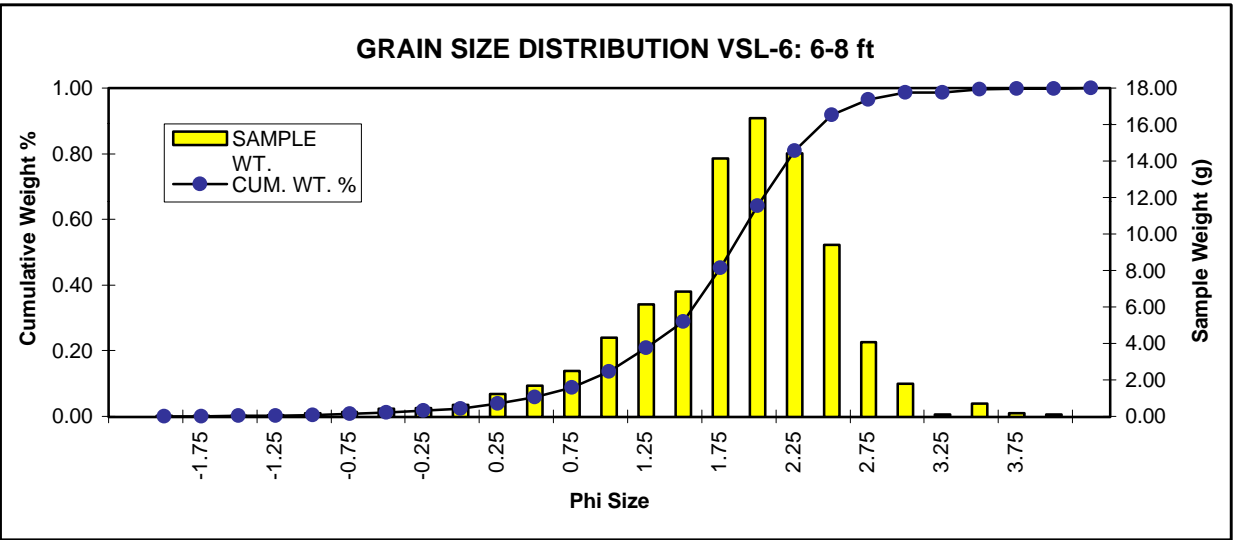


# GRAIN SIZE DISTRIBUTION CHART

CORE VSL-6: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.037	0.037	0.000429658	0.000429658
-1.75	0.038	0.075	0.000441270	0.000870928
-1.50	0.039	0.114	0.000452883	0.001323811
-1.25	0.068	0.182	0.000789642	0.002113453
-1.00	0.176	0.358	0.002043779	0.004157232
-0.75	0.231	0.589	0.002682460	0.006839691
-0.50	0.404	0.993	0.004691401	0.011531092
-0.25	0.469	1.462	0.005446206	0.016977298
0.00	0.633	2.095	0.007350636	0.024327934
0.25	1.224	3.319	0.014213552	0.038541485
0.50	1.671	4.990	0.019404285	0.057945770
0.75	2.488	7.478	0.028891598	0.086837369
1.00	4.323	11.801	0.050200314	0.137037682
1.25	6.156	17.957	0.071485804	0.208523486
1.50	6.854	24.811	0.079591244	0.288114730
1.75	14.130	38.941	0.164082912	0.452197643
2.00	16.343	55.284	0.189781107	0.641978749
2.25	14.408	69.692	0.167311154	0.809289903
2.50	9.386	79.078	0.108993787	0.918283690
2.75	4.074	83.152	0.047308831	0.965592522
3.00	1.773	84.925	0.020588748	0.986181269
3.25	0.093	85.018	0.001079951	0.987261220
3.50	0.716	85.734	0.008314463	0.995575684
3.75	0.165	85.899	0.001916043	0.997491726
4.00	0.119	86.018	0.001381873	0.998873599
PAN	0.097	86.115	0.001126401	1.0

<b>TOTAL WT.</b>	86.115	grams	
<b>MEDIAN WT.</b>	43.058	grams	
<b>MEAN GRAIN SIZE</b>	1.81	phi	0.2852 mm

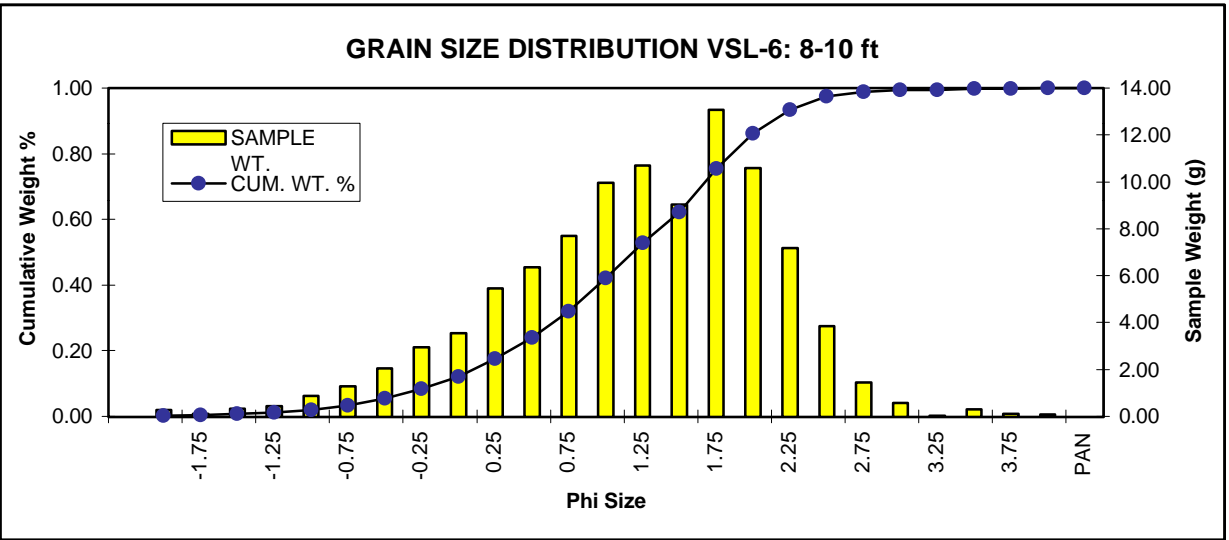


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-6: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.279	0.279	0.002838452	0.002838452
-1.75	0.103	0.382	0.001047887	0.003886340
-1.50	0.324	0.706	0.003296267	0.007182607
-1.25	0.427	1.133	0.004344155	0.011526762
-1.00	0.870	2.003	0.008851088	0.020377850
-0.75	1.277	3.280	0.012991770	0.033369619
-0.50	2.059	5.339	0.020947575	0.054317195
-0.25	2.953	8.292	0.030042831	0.084360026
0.00	3.556	11.848	0.036177551	0.120537576
0.25	5.460	17.308	0.055548208	0.176085784
0.50	6.346	23.654	0.064562075	0.240647859
0.75	7.701	31.355	0.078347390	0.318995249
1.00	9.950	41.305	0.101227961	0.420223210
1.25	10.711	52.016	0.108970120	0.529193330
1.50	9.020	61.036	0.091766453	0.620959784
1.75	13.066	74.102	0.132929100	0.753888883
2.00	10.590	84.692	0.107739107	0.861627990
2.25	7.168	91.860	0.072924827	0.934552817
2.50	3.860	95.720	0.039270345	0.973823161
2.75	1.440	97.160	0.014650077	0.988473238
3.00	0.579	97.739	0.005890552	0.994363790
3.25	0.024	97.763	0.000244168	0.994607958
3.50	0.289	98.052	0.002940189	0.997548147
3.75	0.099	98.151	0.001007193	0.998555340
4.00	0.077	98.228	0.000783372	0.999338712
PAN	0.065	98.293	0.000661288	1.0

<b>TOTAL WT.</b>	98.293	grams	
<b>MEDIAN WT.</b>	49.147	grams	
<b>MEAN GRAIN SIZE</b>	1.18	phi	0.4414 mm

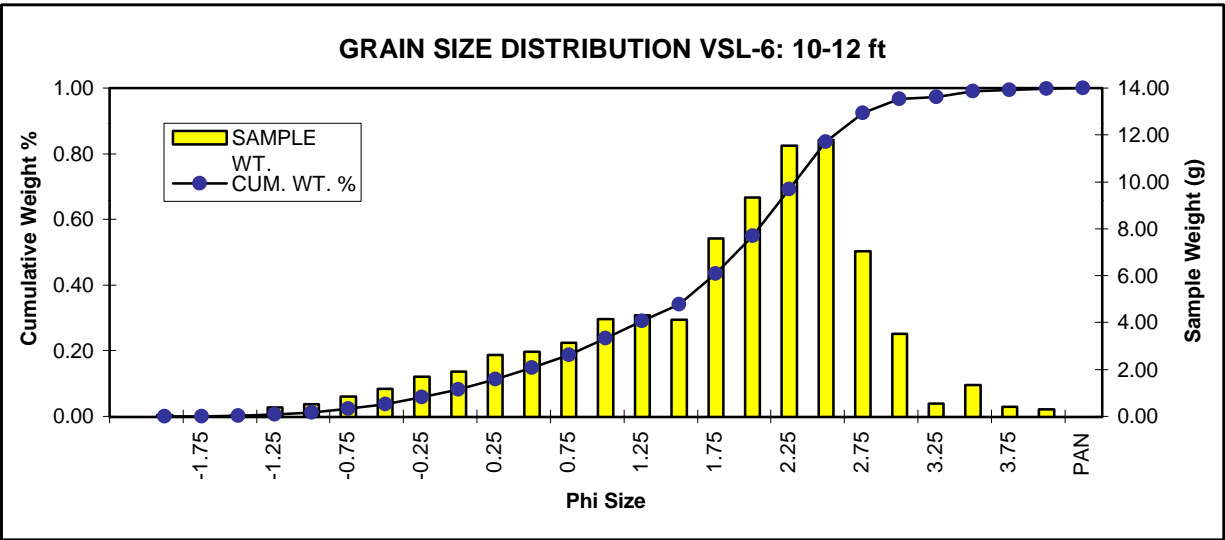


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-6: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.043	0.043	0.000529185	0.000529185
-1.75	0.000	0.043	0.000000000	0.000529185
-1.50	0.063	0.106	0.000775318	0.001304503
-1.25	0.375	0.481	0.004614987	0.005919490
-1.00	0.514	0.995	0.006325609	0.012245099
-0.75	0.841	1.836	0.010349878	0.022594976
-0.50	1.170	3.006	0.014398759	0.036993736
-0.25	1.687	4.693	0.020761288	0.057755024
0.00	1.908	6.601	0.023481054	0.081236078
0.25	2.632	9.233	0.032391056	0.113627134
0.50	2.761	11.994	0.033978611	0.147605745
0.75	3.144	15.138	0.038692051	0.186297796
1.00	4.153	19.291	0.051109443	0.237407239
1.25	4.316	23.607	0.053115424	0.290522663
1.50	4.126	27.733	0.050777164	0.341299826
1.75	7.594	35.327	0.093456564	0.434756390
2.00	9.334	44.661	0.114870103	0.549626494
2.25	11.548	56.209	0.142116987	0.691743481
2.50	11.800	68.009	0.145218258	0.836961739
2.75	7.039	75.048	0.086626383	0.923588122
3.00	3.511	78.559	0.043208585	0.966796707
3.25	0.536	79.095	0.006596355	0.973393062
3.50	1.337	80.432	0.016453967	0.989847029
3.75	0.398	80.830	0.004898040	0.994745068
4.00	0.297	81.127	0.003655070	0.998400138
PAN	0.130	81.257	0.001599862	1.0

<b>TOTAL WT.</b>	81.257	grams	
<b>MEDIAN WT.</b>	40.629	grams	
<b>MEAN GRAIN SIZE</b>	1.89	phi	0.2698 mm

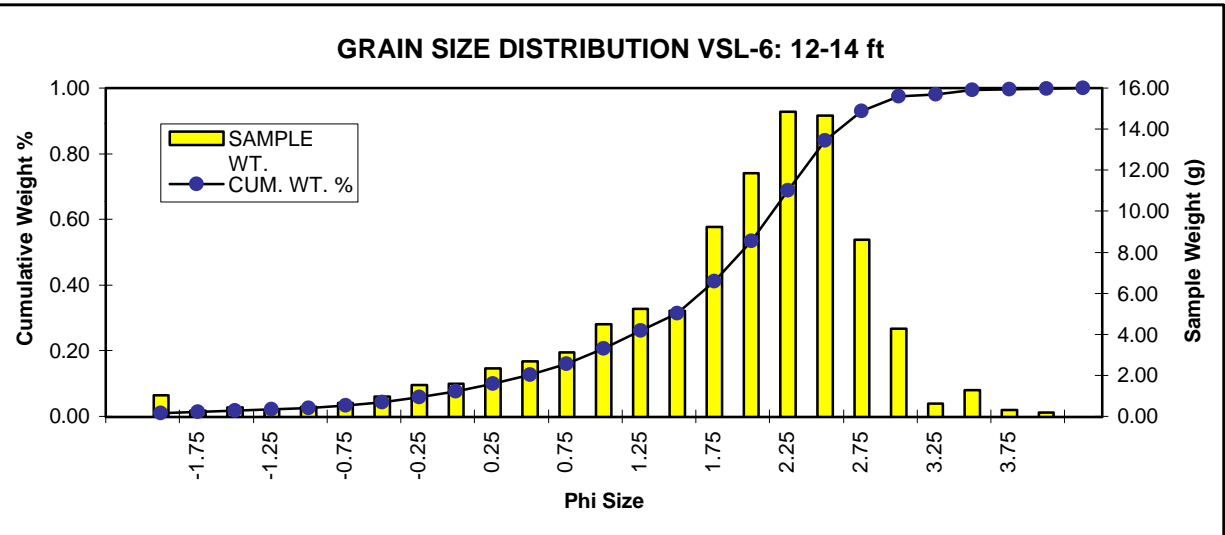


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-6: 12-14 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.029	1.029	0.010684914	0.010684914
-1.75	0.267	1.296	0.002772471	0.013457385
-1.50	0.440	1.736	0.004568865	0.018026250
-1.25	0.317	2.053	0.003291660	0.021317910
-1.00	0.480	2.533	0.004984217	0.026302127
-0.75	0.663	3.196	0.006884449	0.033186576
-0.50	0.978	4.174	0.010155341	0.043341917
-0.25	1.516	5.690	0.015741818	0.059083735
0.00	1.579	7.269	0.016395996	0.075479731
0.25	2.345	9.614	0.024349975	0.099829706
0.50	2.674	12.288	0.027766240	0.127595946
0.75	3.126	15.414	0.032459711	0.160055657
1.00	4.497	19.911	0.046695880	0.206751537
1.25	5.226	25.137	0.054265659	0.261017196
1.50	5.158	30.295	0.053559561	0.314576757
1.75	9.237	39.532	0.095915019	0.410491776
2.00	11.852	51.384	0.123068616	0.533560392
2.25	14.854	66.238	0.154240738	0.687801130
2.50	14.665	80.903	0.152278202	0.840079332
2.75	8.617	89.520	0.089477073	0.929556405
3.00	4.261	93.781	0.044245307	0.973801711
3.25	0.619	94.400	0.006427563	0.980229274
3.50	1.275	95.675	0.013239325	0.993468599
3.75	0.303	95.978	0.003146287	0.996614886
4.00	0.187	96.165	0.001941768	0.998556654
PAN	0.139	96.304	0.001443346	1.0

<b>TOTAL WT.</b>	96.304	grams	
<b>MEDIAN WT.</b>	48.152	grams	
<b>MEAN GRAIN SIZE</b>	1.93	phi	0.2624 mm

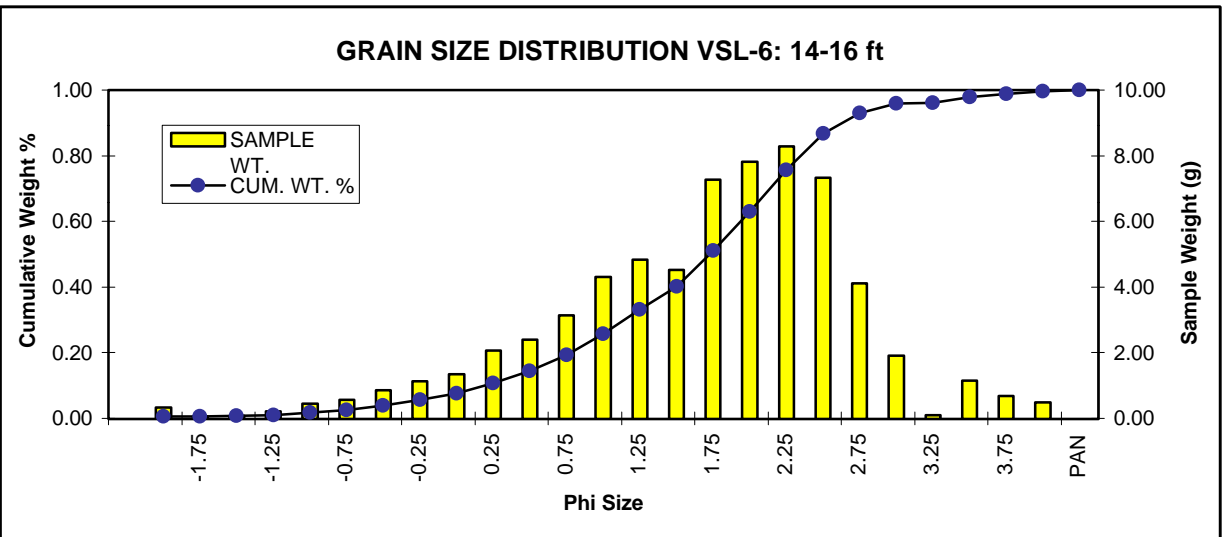


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-6: 14-16 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.324	0.324	0.004935789	0.004935789
-1.75	0.062	0.386	0.000944503	0.005880292
-1.50	0.079	0.465	0.001203479	0.007083771
-1.25	0.211	0.676	0.003214356	0.010298128
-1.00	0.440	1.116	0.006702923	0.017001051
-0.75	0.571	1.687	0.008698566	0.025699618
-0.50	0.863	2.550	0.013146870	0.038846488
-0.25	1.134	3.684	0.017275262	0.056121749
0.00	1.344	5.028	0.020474384	0.076596134
0.25	2.073	7.101	0.031579910	0.108176043
0.50	2.392	9.493	0.036439529	0.144615572
0.75	3.138	12.631	0.047804031	0.192419603
1.00	4.304	16.935	0.065566778	0.257986381
1.25	4.840	21.775	0.073732157	0.331718538
1.50	4.529	26.304	0.068994409	0.400712947
1.75	7.263	33.567	0.110643938	0.511356885
2.00	7.810	41.377	0.118976890	0.630333775
2.25	8.288	49.665	0.126258702	0.756592477
2.50	7.325	56.990	0.111588441	0.868180918
2.75	4.107	61.097	0.062565696	0.930746614
3.00	1.911	63.008	0.029112015	0.959858629
3.25	0.090	63.098	0.001371053	0.961229682
3.50	1.154	64.252	0.017579940	0.978809622
3.75	0.687	64.939	0.010465701	0.989275323
4.00	0.488	65.427	0.007434151	0.996709474
PAN	0.216	65.643	0.003290526	1.0

<b>TOTAL WT.</b>	65.643	grams	
<b>MEDIAN WT.</b>	32.822	grams	
<b>MEAN GRAIN SIZE</b>	1.72	phi	0.3035 mm



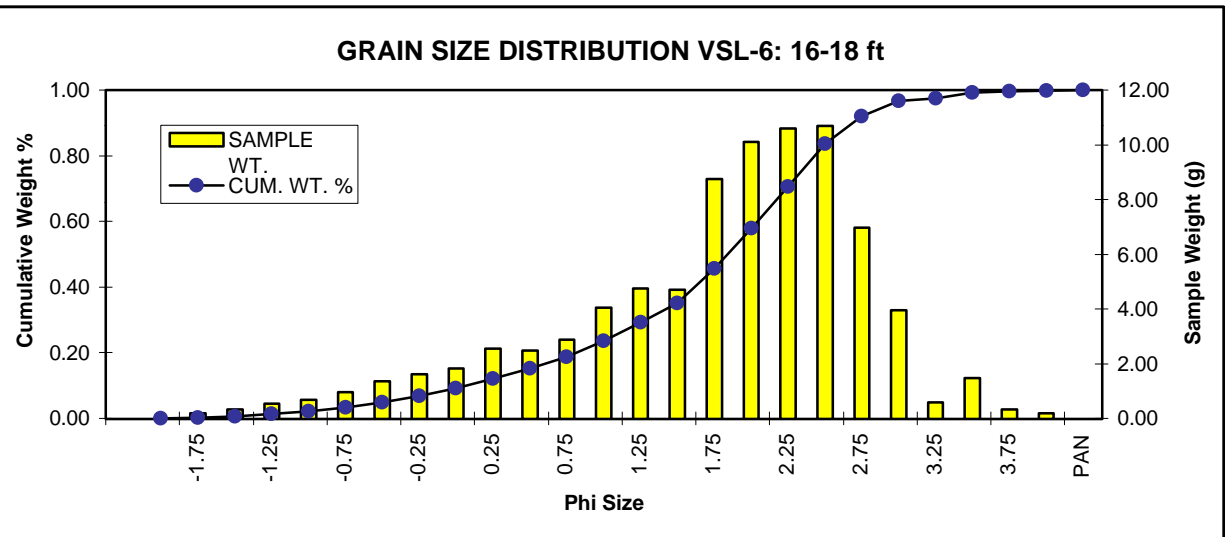


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-6: 16-18 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.000	0.000	0.000000000	0.000000000
-1.75	0.196	0.196	0.002371503	0.002371503
-1.50	0.318	0.514	0.003847643	0.006219146
-1.25	0.543	1.057	0.006570032	0.012789178
-1.00	0.673	1.730	0.008142968	0.020932146
-0.75	0.964	2.694	0.011663924	0.032596070
-0.50	1.361	4.055	0.016467428	0.049063498
-0.25	1.621	5.676	0.019613300	0.068676798
0.00	1.821	7.497	0.022033201	0.090709999
0.25	2.543	10.040	0.030769045	0.121479044
0.50	2.491	12.531	0.030139870	0.151618914
0.75	2.871	15.402	0.034737683	0.186356597
1.00	4.054	19.456	0.049051399	0.235407995
1.25	4.760	24.216	0.057593650	0.293001646
1.50	4.712	28.928	0.057012874	0.350014519
1.75	8.747	37.675	0.105834382	0.455848901
2.00	10.094	47.769	0.122132417	0.577981318
2.25	10.596	58.365	0.128206369	0.706187688
2.50	10.685	69.050	0.129283225	0.835470913
2.75	6.974	76.024	0.084381957	0.919852870
3.00	3.946	79.970	0.047744652	0.967597522
3.25	0.578	80.548	0.006993515	0.974591037
3.50	1.466	82.014	0.017737876	0.992328913
3.75	0.317	82.331	0.003835544	0.996164456
4.00	0.180	82.511	0.002177911	0.998342368
PAN	0.137	82.648	0.001657632	1.0

<b>TOTAL WT.</b>	82.648	grams	
<b>MEDIAN WT.</b>	41.324	grams	
<b>MEAN GRAIN SIZE</b>	1.84	phi	0.2793 mm

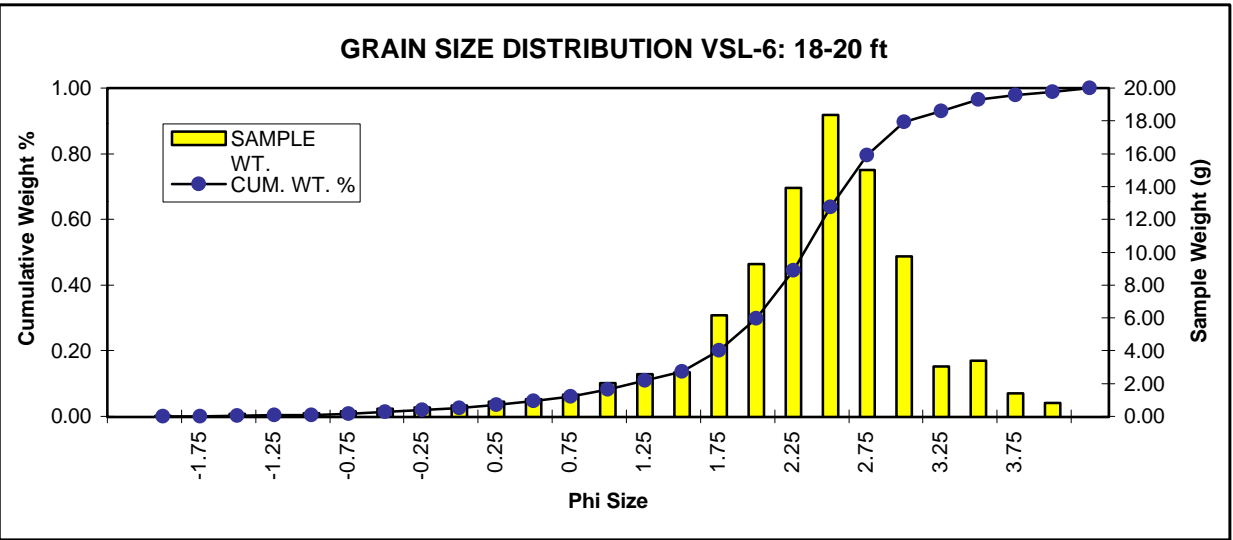


# GRAIN SIZE DISTRIBUTION CHART

CORE VSL-6: 18-20 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.053	0.053	0.000556191	0.000556191
-1.75	0.011	0.064	0.000115436	0.000671627
-1.50	0.139	0.203	0.001458690	0.002130317
-1.25	0.079	0.282	0.000829039	0.002959356
-1.00	0.179	0.461	0.001878457	0.004837813
-0.75	0.319	0.780	0.003347640	0.008185453
-0.50	0.479	1.259	0.005026708	0.013212161
-0.25	0.555	1.814	0.005824265	0.019036425
0.00	0.664	2.478	0.006968129	0.026004554
0.25	0.902	3.380	0.009465742	0.035470296
0.50	1.039	4.419	0.010903443	0.046373739
0.75	1.323	5.742	0.013883788	0.060257527
1.00	2.035	7.777	0.021355637	0.081613164
1.25	2.557	10.334	0.026833594	0.108446758
1.50	2.675	13.009	0.028071906	0.136518664
1.75	6.149	19.158	0.064528654	0.201047318
2.00	9.266	28.424	0.097238984	0.298286302
2.25	13.927	42.351	0.146152312	0.444438614
2.50	18.371	60.722	0.192788406	0.637227020
2.75	15.000	75.722	0.157412557	0.794639578
3.00	9.761	85.483	0.102433598	0.897073176
3.25	3.030	88.513	0.031797337	0.928870512
3.50	3.392	91.905	0.035596226	0.964466739
3.75	1.417	93.322	0.014870240	0.979336978
4.00	0.800	94.122	0.008395336	0.987732315
PAN	1.169	95.291	0.012267685	1.0

<b>TOTAL WT.</b>	95.291	grams	
<b>MEDIAN WT.</b>	47.646	grams	
<b>MEAN GRAIN SIZE</b>	2.32	phi	0.2003 mm

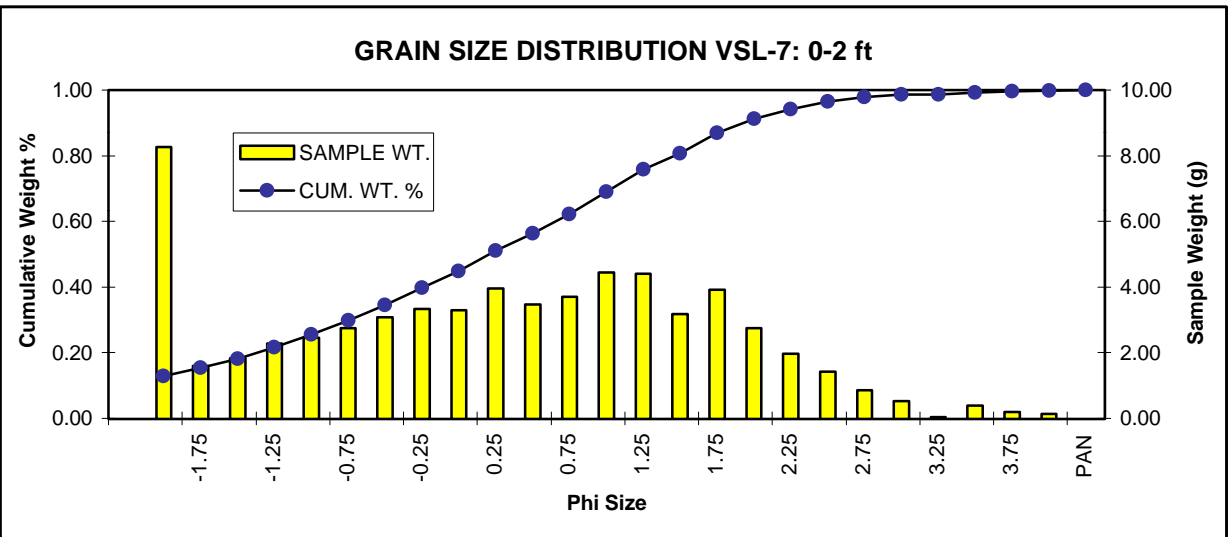


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-7: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	8.261	8.261	0.128244536	0.128244536
-1.75	1.605	9.866	0.024916170	0.153160705
-1.50	1.834	11.700	0.028471187	0.181631893
-1.25	2.283	13.983	0.035441505	0.217073398
-1.00	2.460	16.443	0.038189270	0.255262668
-0.75	2.750	19.193	0.042691257	0.297953924
-0.50	3.071	22.264	0.047674491	0.345628415
-0.25	3.332	25.596	0.051726279	0.397354694
0.00	3.298	28.894	0.051198460	0.448553154
0.25	3.952	32.846	0.061351217	0.509904372
0.50	3.471	36.317	0.053884128	0.563788500
0.75	3.701	40.018	0.057454670	0.621243169
1.00	4.442	44.460	0.068958023	0.690201192
1.25	4.401	48.861	0.068321535	0.758522727
1.50	3.184	52.045	0.049428713	0.807951441
1.75	3.925	55.970	0.060932067	0.868883507
2.00	2.753	58.723	0.042737829	0.911621336
2.25	1.974	60.697	0.030644560	0.942265897
2.50	1.420	62.117	0.022044213	0.964310109
2.75	0.864	62.981	0.013412817	0.977722926
3.00	0.534	63.515	0.008289866	0.986012792
3.25	0.041	63.556	0.000636488	0.986649280
3.50	0.384	63.940	0.005961252	0.992610532
3.75	0.204	64.144	0.003166915	0.995777447
4.00	0.128	64.272	0.001987084	0.997764531
PAN	0.144	64.416	0.002235469	1.0

**TOTAL WT.** 64.416 grams  
**MEDIAN WT.** 32.208 grams  
**MEAN GRAIN SIZE** 0.21 phi 0.8645 mm

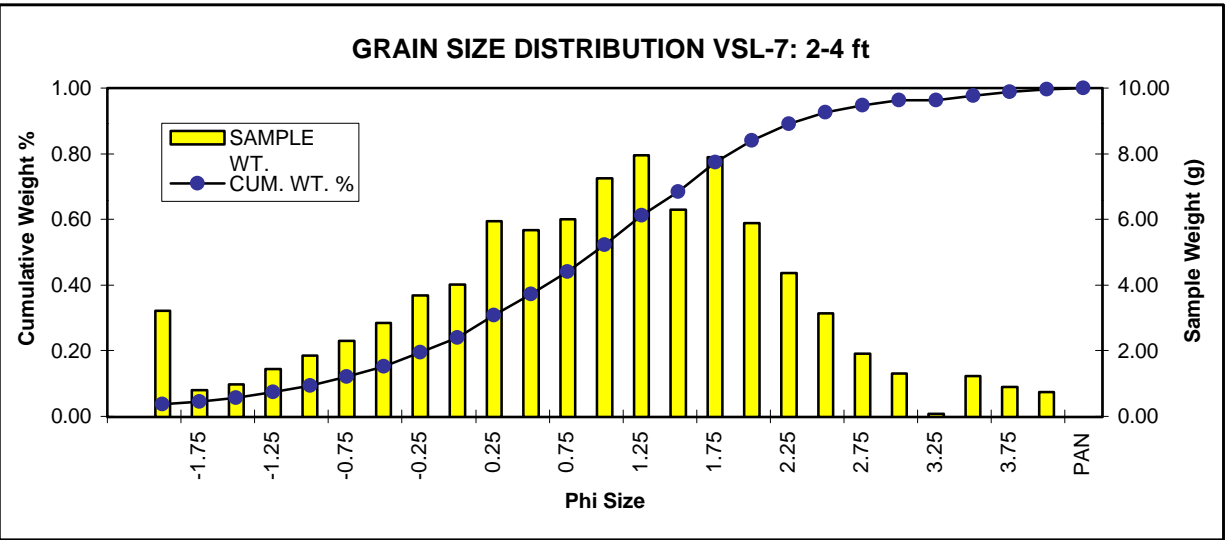


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-7: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	3.225	3.225	0.036611947	0.036611947
-1.75	0.806	4.031	0.009150149	0.045762096
-1.50	0.973	5.004	0.011046023	0.056808119
-1.25	1.436	6.440	0.016302250	0.073110369
-1.00	1.858	8.298	0.021093023	0.094203392
-0.75	2.304	10.602	0.026156256	0.120359649
-0.50	2.838	13.440	0.032218514	0.152578162
-0.25	3.686	17.126	0.041845469	0.194423631
0.00	4.008	21.134	0.045500988	0.239924619
0.25	5.952	27.086	0.067570329	0.307494948
0.50	5.677	32.763	0.064448380	0.371943328
0.75	6.008	38.771	0.068206071	0.440149399
1.00	7.256	46.027	0.082374044	0.522523443
1.25	7.962	53.989	0.090388938	0.612912381
1.50	6.292	60.281	0.071430193	0.684342574
1.75	7.890	68.171	0.089571555	0.773914129
2.00	5.883	74.054	0.066787004	0.840701133
2.25	4.373	78.427	0.049644665	0.890345798
2.50	3.146	81.573	0.035715097	0.926060895
2.75	1.902	83.475	0.021592535	0.947653430
3.00	1.304	84.779	0.014803715	0.962457144
3.25	0.080	84.859	0.000908203	0.963365348
3.50	1.227	86.086	0.013929569	0.977294916
3.75	0.900	86.986	0.010217288	0.987512204
4.00	0.749	87.735	0.008503054	0.996015258
PAN	0.351	88.086	0.003984742	1.0

<b>TOTAL WT.</b>	88.086	grams	
<b>MEDIAN WT.</b>	44.043	grams	
<b>MEAN GRAIN SIZE</b>	0.93	phi	0.5249 mm

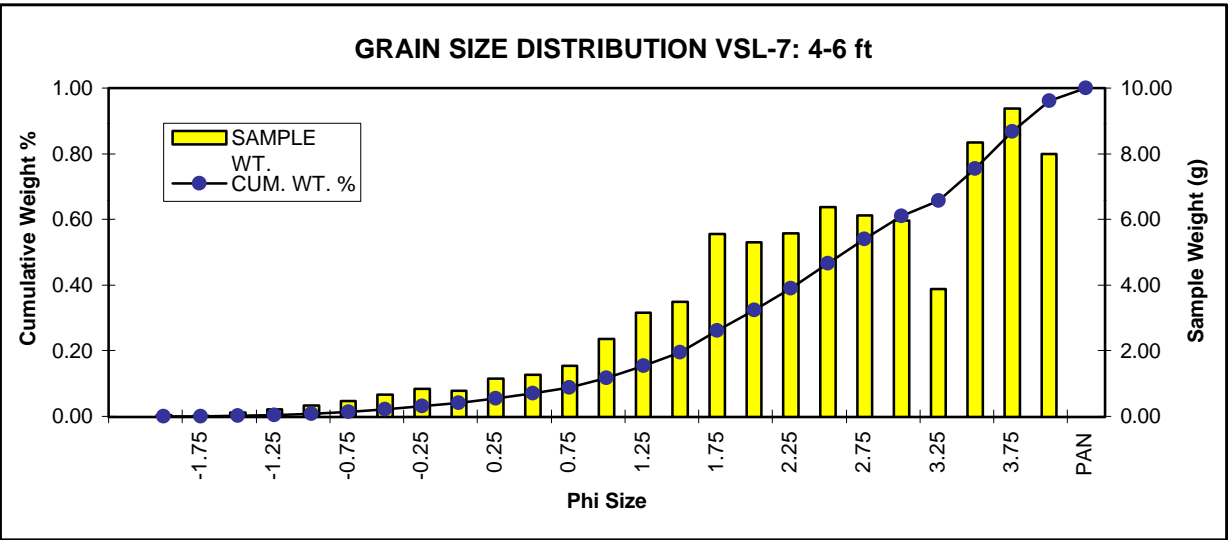


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-7: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.033	0.033	0.000392231	0.000392231
-1.75	0.023	0.056	0.000273373	0.000665605
-1.50	0.110	0.166	0.001307438	0.001973043
-1.25	0.211	0.377	0.002507904	0.004480947
-1.00	0.328	0.705	0.003898543	0.008379490
-0.75	0.465	1.170	0.005526898	0.013906387
-0.50	0.664	1.834	0.007892172	0.021798559
-0.25	0.838	2.672	0.009960301	0.031758861
0.00	0.784	3.456	0.009318468	0.041077329
0.25	1.149	4.605	0.013656786	0.054734115
0.50	1.266	5.871	0.015047424	0.069781539
0.75	1.536	7.407	0.018256591	0.088038130
1.00	2.368	9.775	0.028145577	0.116183707
1.25	3.167	12.942	0.037642332	0.153826039
1.50	3.495	16.437	0.041540875	0.195366915
1.75	5.548	21.985	0.065942425	0.261309340
2.00	5.302	27.287	0.063018518	0.324327858
2.25	5.571	32.858	0.066215799	0.390543657
2.50	6.377	39.235	0.075795754	0.466339411
2.75	6.127	45.362	0.072824304	0.539163715
3.00	5.969	51.331	0.070946347	0.610110063
3.25	3.871	55.202	0.046009937	0.656119999
3.50	8.349	63.551	0.099234554	0.755354553
3.75	9.377	72.928	0.111453158	0.866807712
4.00	7.988	80.916	0.094943780	0.961751492
PAN	3.218	84.134	0.038248508	1.0

<b>TOTAL WT.</b>	84.134	grams	
<b>MEDIAN WT.</b>	42.067	grams	
<b>MEAN GRAIN SIZE</b>	2.62	phi	0.1627 mm

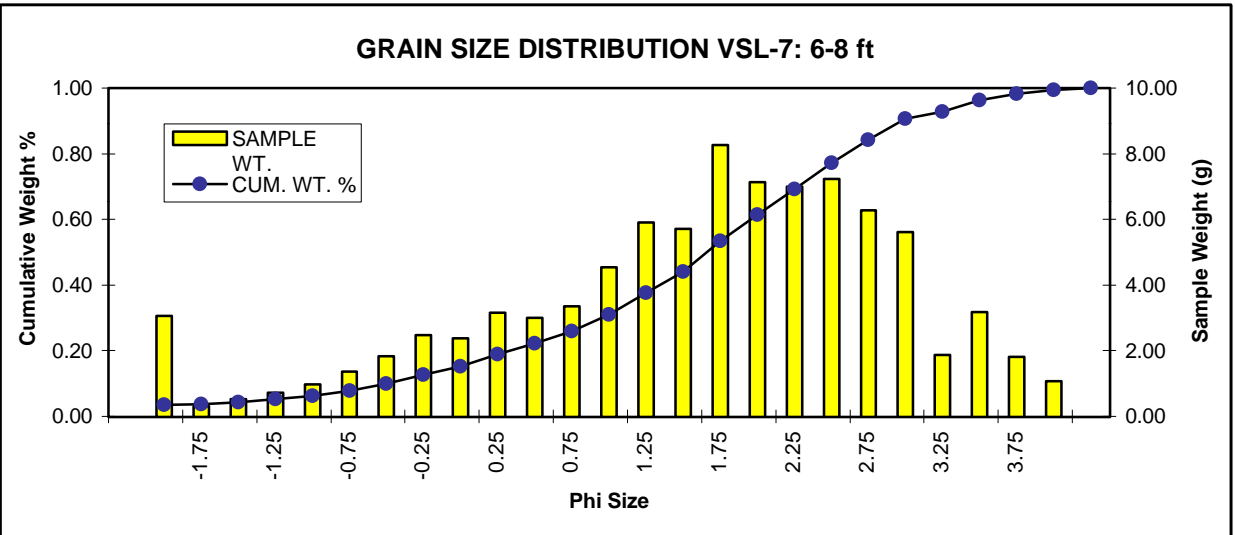


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-7: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	3.057	3.057	0.034260162	0.034260162
-1.75	0.305	3.362	0.003418171	0.037678333
-1.50	0.533	3.895	0.005973394	0.043651728
-1.25	0.716	4.611	0.008024297	0.051676025
-1.00	0.974	5.585	0.010915734	0.062591758
-0.75	1.374	6.959	0.015398581	0.077990339
-0.50	1.840	8.799	0.020621099	0.098611438
-0.25	2.482	11.281	0.027816069	0.126427507
0.00	2.371	13.652	0.026572079	0.152999585
0.25	3.164	16.816	0.035459324	0.188458909
0.50	2.993	19.809	0.033542906	0.222001816
0.75	3.349	23.158	0.037532641	0.259534456
1.00	4.550	27.708	0.050992390	0.310526847
1.25	5.913	33.621	0.066267693	0.376794540
1.50	5.702	39.323	0.063902991	0.440697531
1.75	8.259	47.582	0.092559594	0.533257125
2.00	7.139	54.721	0.080007621	0.613264746
2.25	6.989	61.710	0.078326553	0.691591299
2.50	7.231	68.941	0.081038676	0.772629975
2.75	6.270	75.211	0.070268635	0.842898609
3.00	5.622	80.833	0.063006422	0.905905031
3.25	1.877	82.710	0.021035762	0.926940793
3.50	3.170	85.880	0.035526566	0.962467359
3.75	1.819	87.699	0.020385749	0.982853108
4.00	1.069	88.768	0.011980410	0.994833518
PAN	0.461	89.229	0.005166482	1.0

<b>TOTAL WT.</b>	89.229	grams	
<b>MEDIAN WT.</b>	44.615	grams	
<b>MEAN GRAIN SIZE</b>	1.66	phi	0.3164 mm

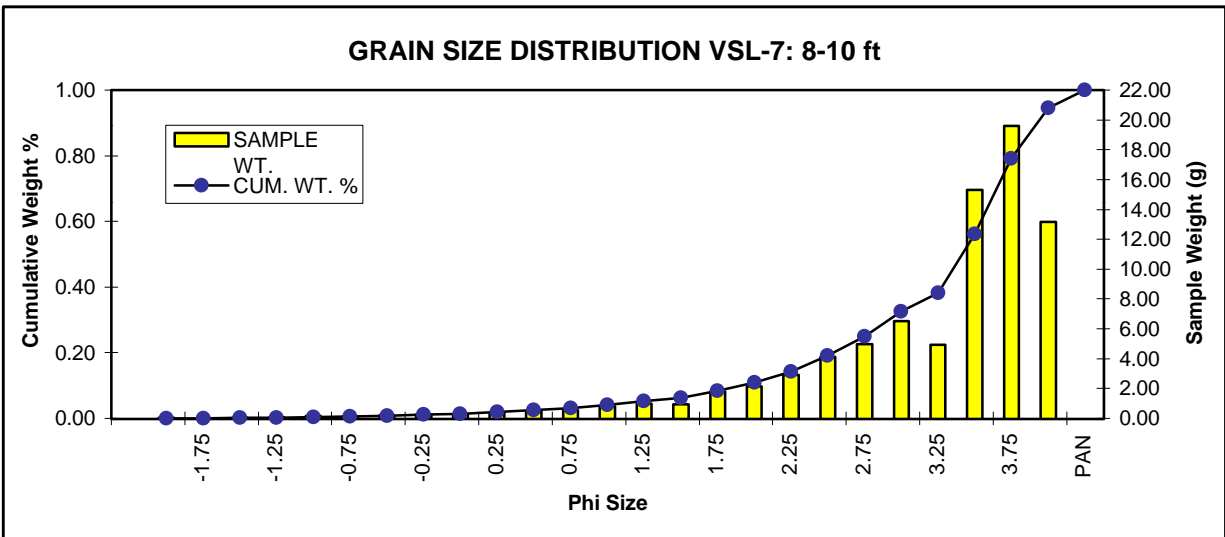


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-7: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.053	0.053	0.000619825	0.000619825
-1.75	0.019	0.072	0.000222201	0.000842026
-1.50	0.031	0.103	0.000362539	0.001204566
-1.25	0.079	0.182	0.000923890	0.002128456
-1.00	0.163	0.345	0.001906254	0.004034710
-0.75	0.133	0.478	0.001555410	0.005590120
-0.50	0.193	0.671	0.002257099	0.007847219
-0.25	0.272	0.943	0.003180989	0.011028208
0.00	0.279	1.222	0.003262853	0.014291060
0.25	0.404	1.626	0.004724704	0.019015765
0.50	0.472	2.098	0.005519951	0.024535716
0.75	0.545	2.643	0.006373673	0.030909389
1.00	0.798	3.441	0.009332460	0.040241849
1.25	0.994	4.435	0.011624643	0.051866492
1.50	0.950	5.385	0.011110072	0.062976564
1.75	1.790	7.175	0.020933714	0.083910277
2.00	2.129	9.304	0.024898255	0.108808533
2.25	2.917	12.221	0.034113767	0.142922300
2.50	4.113	16.334	0.048100763	0.191023062
2.75	4.957	21.291	0.057971184	0.248994246
3.00	6.512	27.803	0.076156617	0.325150863
3.25	4.925	32.728	0.057596950	0.382747813
3.50	15.296	48.024	0.178883847	0.561631660
3.75	19.584	67.608	0.229031202	0.790662862
4.00	13.187	80.795	0.154219488	0.944882350
PAN	4.713	85.508	0.055117650	1.0

**TOTAL WT.** 85.508 grams  
**MEDIAN WT.** 42.754 grams  
**MEAN GRAIN SIZE** 3.41 phi 0.0941 mm

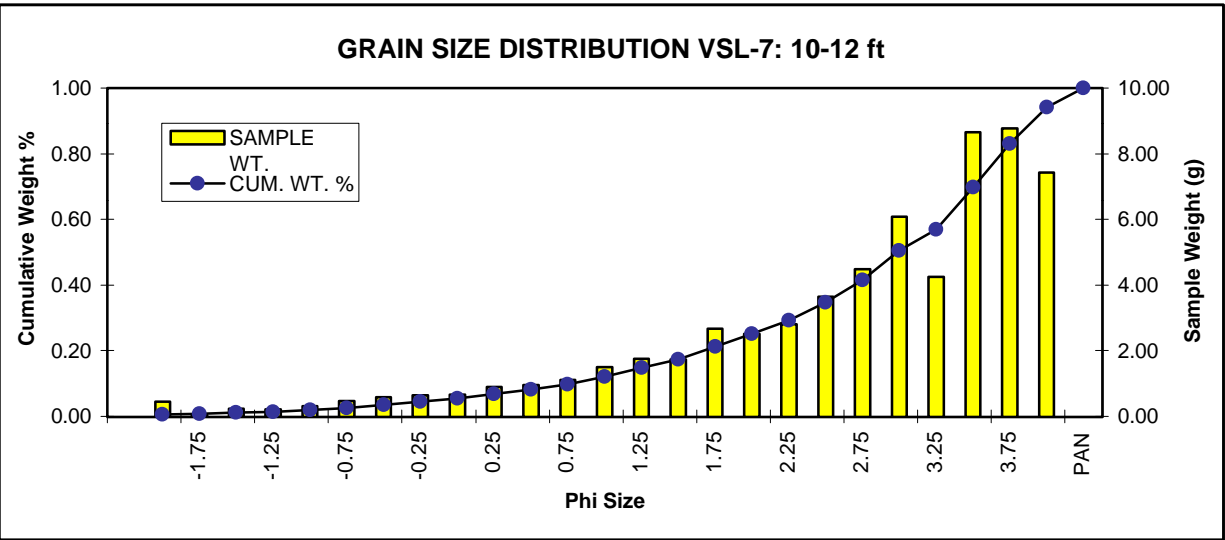


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-7: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.452	0.452	0.006762822	0.006762822
-1.75	0.038	0.490	0.000568556	0.007331378
-1.50	0.233	0.723	0.003486145	0.010817523
-1.25	0.219	0.942	0.003276677	0.014094201
-1.00	0.309	1.251	0.004623257	0.018717458
-0.75	0.466	1.717	0.006972290	0.025689748
-0.50	0.576	2.293	0.008618110	0.034307858
-0.25	0.644	2.937	0.009635526	0.043943384
0.00	0.658	3.595	0.009844994	0.053788378
0.25	0.904	4.499	0.013525645	0.067314022
0.50	0.964	5.463	0.014423365	0.081737387
0.75	1.113	6.576	0.016652702	0.098390089
1.00	1.504	8.080	0.022502843	0.120892932
1.25	1.760	9.840	0.026333114	0.147226046
1.50	1.732	11.572	0.025914178	0.173140224
1.75	2.677	14.249	0.040053265	0.213193489
2.00	2.519	16.768	0.037689269	0.250882758
2.25	2.810	19.578	0.042043210	0.292925968
2.50	3.641	23.219	0.054476629	0.347402597
2.75	4.486	27.705	0.067119516	0.414522114
3.00	6.083	33.788	0.091013825	0.505535939
3.25	4.247	38.035	0.063543599	0.569079538
3.50	8.664	46.699	0.129630738	0.698710276
3.75	8.776	55.475	0.131306482	0.830016757
4.00	7.426	62.901	0.111107786	0.941124544
PAN	3.935	66.836	0.058875456	1.0

<b>TOTAL WT.</b>	66.836	grams	
<b>MEDIAN WT.</b>	33.418	grams	
<b>MEAN GRAIN SIZE</b>	2.98	phi	0.1267 mm



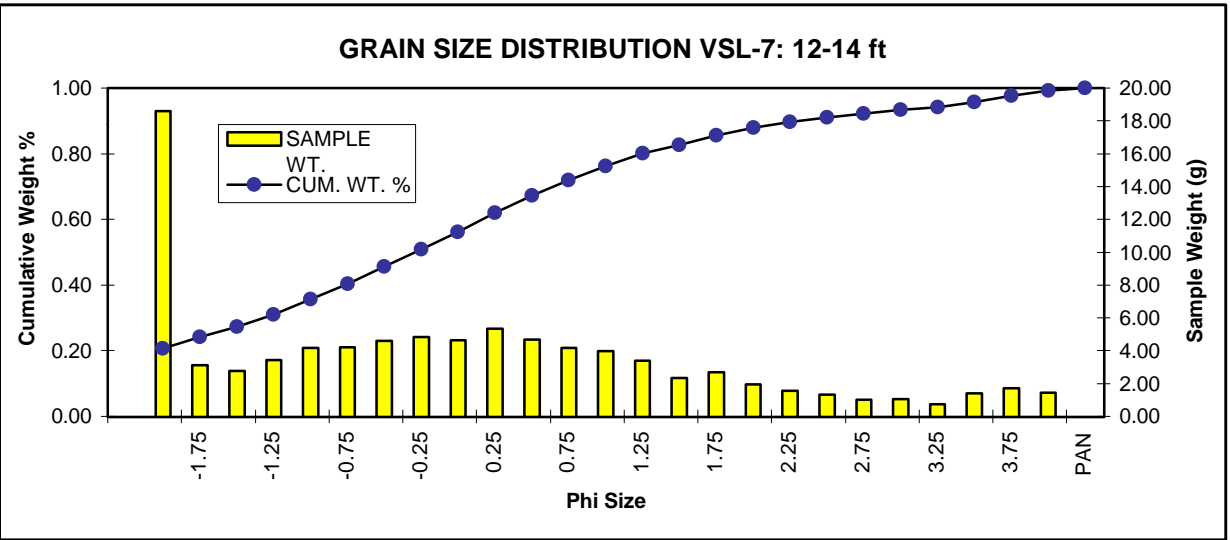


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-7: 12-14 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	18.607	18.607	0.206972114	0.206972114
-1.75	3.117	21.724	0.034671472	0.241643586
-1.50	2.749	24.473	0.030578080	0.272221666
-1.25	3.449	27.922	0.038364423	0.310586089
-1.00	4.188	32.110	0.046584576	0.357170666
-0.75	4.199	36.309	0.046706933	0.403877599
-0.50	4.619	40.928	0.051378739	0.455256338
-0.25	4.852	45.780	0.053970479	0.509226816
0.00	4.657	50.437	0.051801426	0.561028242
0.25	5.328	55.765	0.059265192	0.620293434
0.50	4.670	60.435	0.051946030	0.672239463
0.75	4.178	64.613	0.046473343	0.718712806
1.00	3.985	68.598	0.044326537	0.763039343
1.25	3.384	71.982	0.037641406	0.800680749
1.50	2.339	74.321	0.026017508	0.826698257
1.75	2.699	77.020	0.030021913	0.856720170
2.00	1.964	78.984	0.021846253	0.878566423
2.25	1.573	80.557	0.017497025	0.896063448
2.50	1.313	81.870	0.014604954	0.910668402
2.75	1.006	82.876	0.011190087	0.921858489
3.00	1.059	83.935	0.011779624	0.933638113
3.25	0.760	84.695	0.008453744	0.942091857
3.50	1.387	86.082	0.015428082	0.957519939
3.75	1.734	87.816	0.019287883	0.976807822
4.00	1.442	89.258	0.016039866	0.992847688
PAN	0.643	89.901	0.007152312	1.0

<b>TOTAL WT.</b>	89.901	grams	
<b>MEDIAN WT.</b>	44.951	grams	
<b>MEAN GRAIN SIZE</b>	-0.29	phi	1.2226 mm

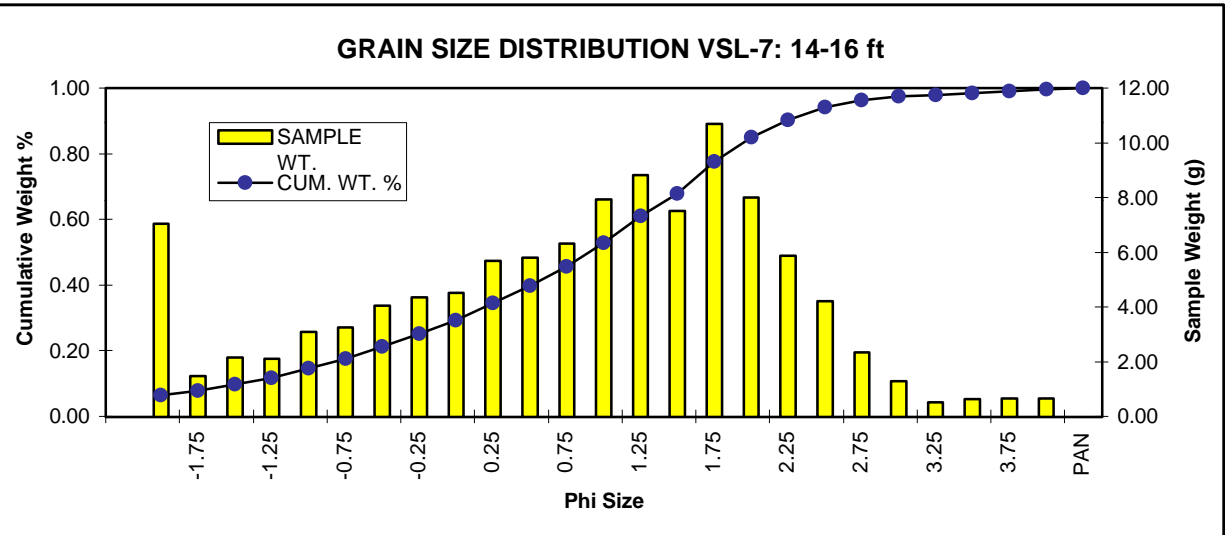


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-7: 14-16 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	7.050	7.050	0.064507274	0.064507274
-1.75	1.479	8.529	0.013532803	0.078040077
-1.50	2.155	10.684	0.019718181	0.097758258
-1.25	2.113	12.797	0.019333882	0.117092140
-1.00	3.077	15.874	0.028154451	0.145246592
-0.75	3.258	19.132	0.029810596	0.175057187
-0.50	4.041	23.173	0.036975021	0.212032208
-0.25	4.359	27.532	0.039884710	0.251916918
0.00	4.517	32.049	0.041330405	0.293247324
0.25	5.677	37.726	0.051944368	0.345191692
0.50	5.793	43.519	0.053005764	0.398197456
0.75	6.327	49.846	0.057891847	0.456089304
1.00	7.937	57.783	0.072623296	0.528712600
1.25	8.811	66.594	0.080620368	0.609332967
1.50	7.506	74.100	0.068679660	0.678012627
1.75	10.681	84.781	0.097730808	0.775743435
2.00	8.009	92.790	0.073282094	0.849025528
2.25	5.868	98.658	0.053692012	0.902717540
2.50	4.215	102.873	0.038567115	0.941284656
2.75	2.341	105.214	0.021420075	0.962704731
3.00	1.292	106.506	0.011821759	0.974526489
3.25	0.521	107.027	0.004767133	0.979293622
3.50	0.626	107.653	0.005727880	0.985021502
3.75	0.655	108.308	0.005993229	0.991014731
4.00	0.657	108.965	0.006011529	0.997026260
PAN	0.325	109.290	0.002973740	1.0

<b>TOTAL WT.</b>	109.290	grams	
<b>MEDIAN WT.</b>	54.645	grams	
<b>MEAN GRAIN SIZE</b>	0.9	phi	0.5359 mm

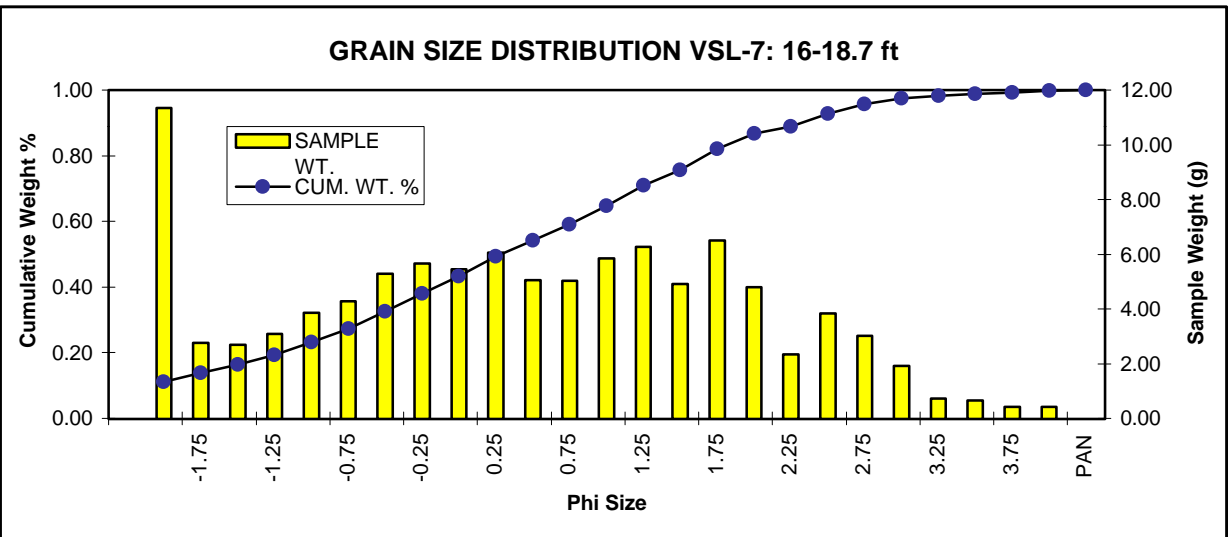


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-7: 16-18.7 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	11.349	11.349	0.110764096	0.110764096
-1.75	2.749	14.098	0.026829721	0.137593816
-1.50	2.680	16.778	0.026156294	0.163750110
-1.25	3.089	19.867	0.030148056	0.193898166
-1.00	3.861	23.728	0.037682630	0.231580797
-0.75	4.270	27.998	0.041674393	0.273255190
-0.50	5.298	33.296	0.051707479	0.324962669
-0.25	5.651	38.947	0.055152692	0.380115361
0.00	5.446	44.393	0.053151931	0.433267292
0.25	6.068	50.461	0.059222533	0.492489825
0.50	5.046	55.507	0.049248007	0.541737832
0.75	5.018	60.525	0.048974732	0.590712564
1.00	5.842	66.367	0.057016816	0.647729380
1.25	6.260	72.627	0.061096417	0.708825797
1.50	4.909	77.536	0.047910912	0.756736710
1.75	6.503	84.039	0.063468051	0.820204761
2.00	4.784	88.823	0.046690936	0.866895697
2.25	2.343	91.166	0.022867237	0.889762934
2.50	3.844	95.010	0.037516714	0.927279648
2.75	3.023	98.033	0.029503909	0.956783557
3.00	1.923	99.956	0.018768117	0.975551673
3.25	0.728	100.684	0.007105142	0.982656816
3.50	0.663	101.347	0.006470755	0.989127570
3.75	0.410	101.757	0.004001523	0.993129093
4.00	0.427	102.184	0.004167439	0.997296532
PAN	0.277	102.461	0.002703468	1.0

<b>TOTAL WT.</b>	102.461	grams	
<b>MEDIAN WT.</b>	51.231	grams	
<b>MEAN GRAIN SIZE</b>	0.29	phi	0.8179 mm

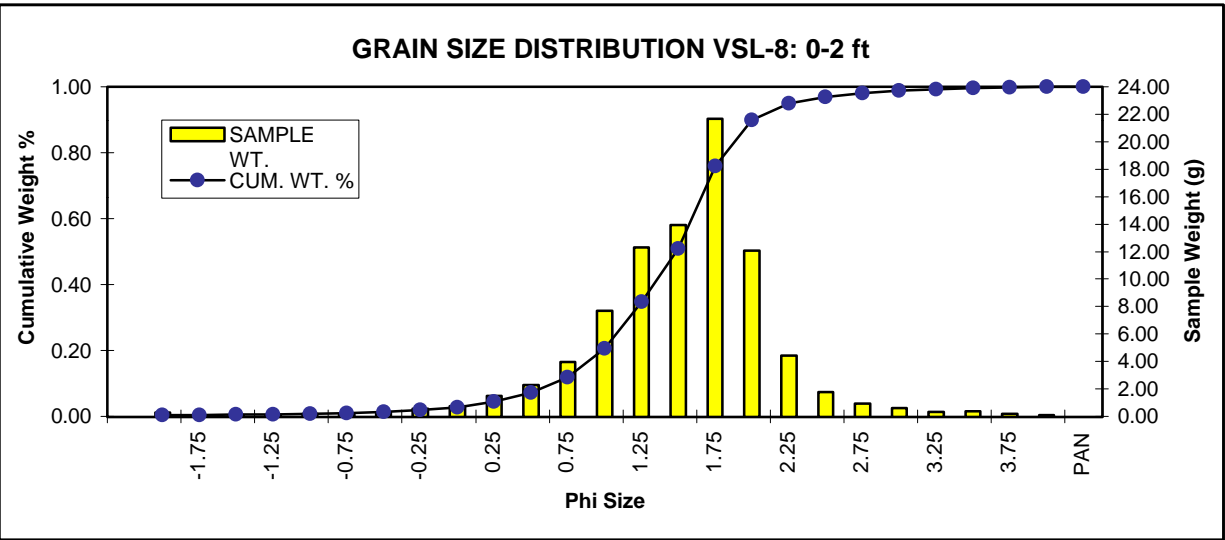


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-8: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.265	0.265	0.003055847	0.003055847
-1.75	0.058	0.323	0.000668827	0.003724674
-1.50	0.104	0.427	0.001199276	0.004923950
-1.25	0.101	0.528	0.001164681	0.006088631
-1.00	0.193	0.721	0.002225579	0.008314210
-0.75	0.139	0.860	0.001602878	0.009917089
-0.50	0.295	1.155	0.003401792	0.013318881
-0.25	0.542	1.697	0.006250072	0.019568953
0.00	0.737	2.434	0.008498714	0.028067667
0.25	1.479	3.913	0.017055086	0.045122753
0.50	2.295	6.208	0.026464789	0.071587541
0.75	3.980	10.188	0.045895363	0.117482905
1.00	7.681	17.869	0.088573438	0.206056343
1.25	12.320	30.189	0.142068059	0.348124402
1.50	13.949	44.138	0.160852870	0.508977271
1.75	21.681	65.819	0.250014414	0.758991686
2.00	12.081	77.900	0.139312031	0.898303717
2.25	4.426	82.326	0.051038411	0.949342128
2.50	1.771	84.097	0.020422283	0.969764411
2.75	0.938	85.035	0.010816545	0.980580957
3.00	0.629	85.664	0.007253312	0.987834269
3.25	0.319	85.983	0.003678548	0.991512817
3.50	0.358	86.341	0.004128276	0.995641094
3.75	0.195	86.536	0.002248642	0.997889736
4.00	0.114	86.650	0.001314591	0.999204327
PAN	0.069	86.719	0.000795673	1.0

<b>TOTAL WT.</b>	86.719	grams	
<b>MEDIAN WT.</b>	43.360	grams	
<b>MEAN GRAIN SIZE</b>	1.49	phi	0.3560 mm

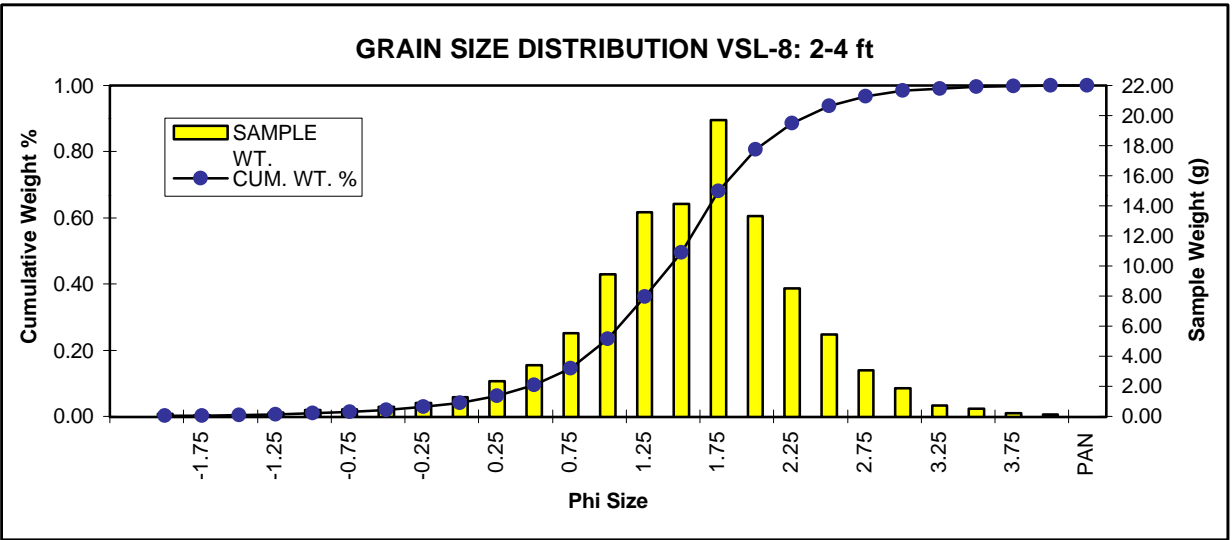


# GRAIN SIZE DISTRIBUTION CHART

CORE VSL-8: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.172	0.172	0.001618138	0.001618138
-1.75	0.096	0.268	0.000903147	0.002521285
-1.50	0.098	0.366	0.000921962	0.003443248
-1.25	0.248	0.614	0.002333129	0.005776377
-1.00	0.405	1.019	0.003810151	0.009586528
-0.75	0.471	1.490	0.004431064	0.014017593
-0.50	0.653	2.143	0.006143280	0.020160873
-0.25	0.878	3.021	0.008260031	0.028420904
0.00	1.257	4.278	0.011825580	0.040246484
0.25	2.322	6.600	0.021844866	0.062091350
0.50	3.385	9.985	0.031845336	0.093936686
0.75	5.516	15.501	0.051893316	0.145830001
1.00	9.455	24.956	0.088950562	0.234780564
1.25	13.591	38.547	0.127861141	0.362641705
1.50	14.128	52.675	0.132913119	0.495554824
1.75	19.693	72.368	0.185267416	0.680822240
2.00	13.337	85.705	0.125471565	0.806293805
2.25	8.500	94.205	0.079966132	0.886259937
2.50	5.467	99.672	0.051432335	0.937692272
2.75	3.085	102.757	0.029023002	0.966715274
3.00	1.859	104.616	0.017489063	0.984204337
3.25	0.729	105.345	0.006858272	0.991062609
3.50	0.496	105.841	0.004666259	0.995728868
3.75	0.232	106.073	0.002182605	0.997911473
4.00	0.145	106.218	0.001364128	0.999275601
PAN	0.077	106.295	0.000724399	1.0

<b>TOTAL WT.</b>	106.295	grams	
<b>MEDIAN WT.</b>	53.148	grams	
<b>MEAN GRAIN SIZE</b>	1.51	phi	0.3511 mm

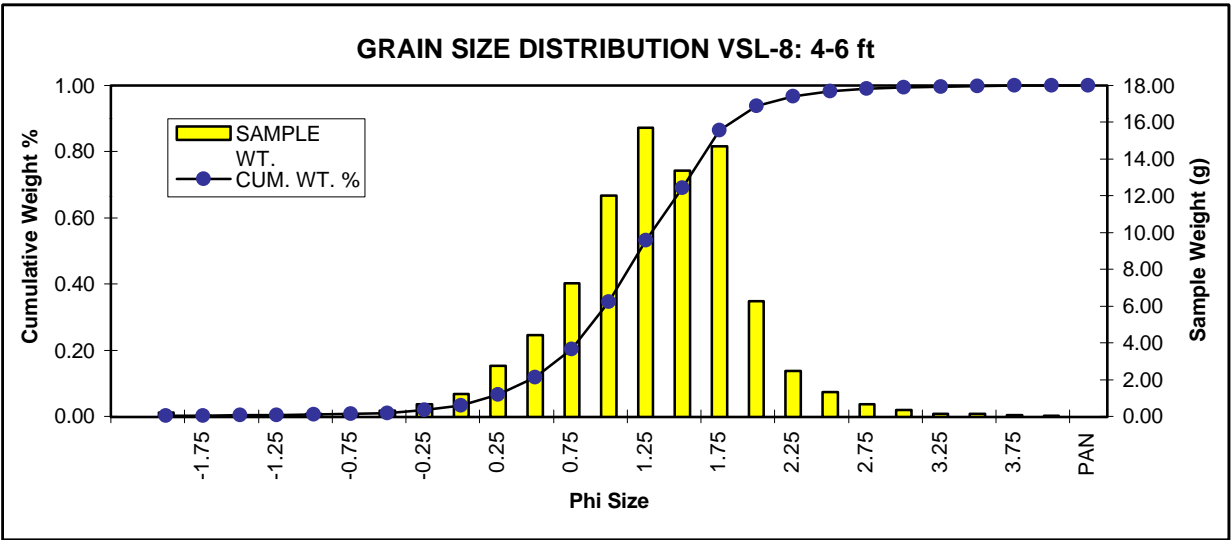


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-8: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.204	0.204	0.002415888	0.002415888
-1.75	0.027	0.231	0.000319750	0.002735638
-1.50	0.031	0.262	0.000367120	0.003102758
-1.25	0.055	0.317	0.000651342	0.003754100
-1.00	0.141	0.458	0.001669805	0.005423905
-0.75	0.116	0.574	0.001373740	0.006797646
-0.50	0.306	0.880	0.003623832	0.010421478
-0.25	0.673	1.553	0.007970062	0.018391540
0.00	1.215	2.768	0.014388745	0.032780284
0.25	2.763	5.531	0.032721072	0.065501356
0.50	4.413	9.944	0.052261342	0.117762698
0.75	7.246	17.190	0.085811395	0.203574093
1.00	12.000	29.190	0.142111060	0.345685153
1.25	15.713	44.903	0.186082590	0.531767743
1.50	13.358	58.261	0.158193295	0.689961038
1.75	14.683	72.944	0.173884724	0.863845762
2.00	6.264	79.208	0.074181973	0.938027735
2.25	2.480	81.688	0.029369619	0.967397354
2.50	1.316	83.004	0.015584846	0.982982201
2.75	0.656	83.660	0.007768738	0.990750939
3.00	0.365	84.025	0.004322545	0.995073483
3.25	0.148	84.173	0.001752703	0.996826186
3.50	0.137	84.310	0.001622435	0.998448621
3.75	0.064	84.374	0.000757926	0.999206547
4.00	0.041	84.415	0.000485546	0.999692093
PAN	0.026	84.441	0.000307907	1.0

<b>TOTAL WT.</b>	84.441	grams	
<b>MEDIAN WT.</b>	42.221	grams	
<b>MEAN GRAIN SIZE</b>	1.21	phi	0.4323 mm

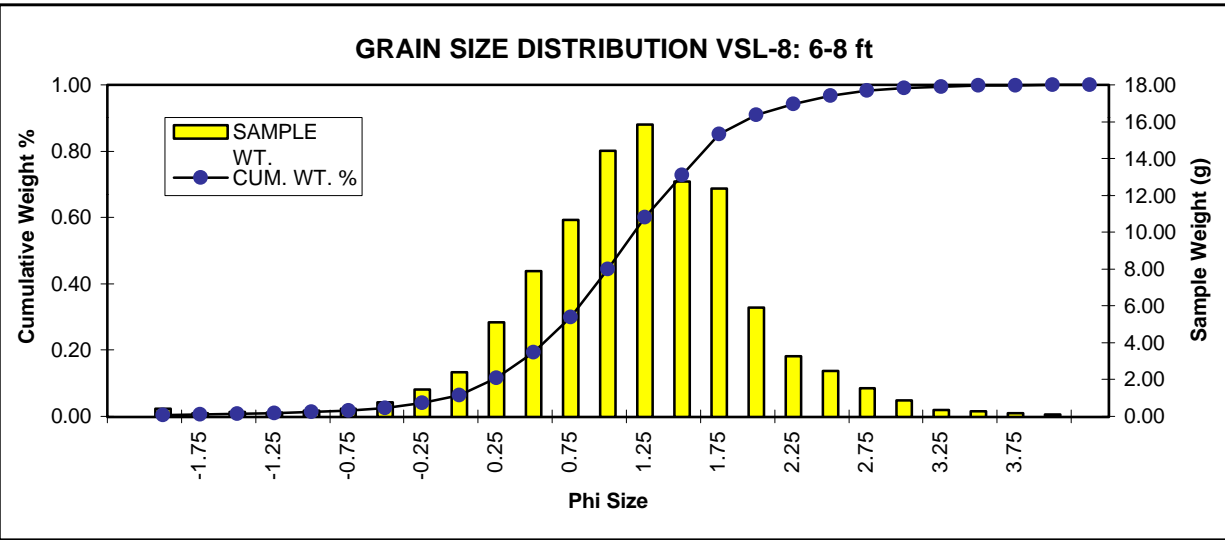


# GRAIN SIZE DISTRIBUTION CHART

CORE VSL-8: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.424	0.424	0.004219199	0.004219199
-1.75	0.174	0.598	0.001731464	0.005950663
-1.50	0.251	0.849	0.002497686	0.008448350
-1.25	0.218	1.067	0.002169305	0.010617655
-1.00	0.330	1.397	0.003283811	0.013901466
-0.75	0.421	1.818	0.004189347	0.018090812
-0.50	0.756	2.574	0.007522912	0.025613724
-0.25	1.471	4.045	0.014637835	0.040251560
0.00	2.411	6.456	0.023991721	0.064243281
0.25	5.121	11.577	0.050958773	0.115202054
0.50	7.877	19.454	0.078383569	0.193585623
0.75	10.661	30.115	0.106086991	0.299672614
1.00	14.432	44.547	0.143611993	0.443284607
1.25	15.847	60.394	0.157692576	0.600977182
1.50	12.741	73.135	0.126784950	0.727762133
1.75	12.371	85.506	0.123103102	0.850865234
2.00	5.906	91.412	0.058770263	0.909635497
2.25	3.266	94.678	0.032499776	0.942135273
2.50	2.475	97.153	0.024628581	0.966763854
2.75	1.544	98.697	0.015364254	0.982128108
3.00	0.880	99.577	0.008756829	0.990884937
3.25	0.361	99.938	0.003592290	0.994477227
3.50	0.290	100.228	0.002885773	0.997363000
3.75	0.158	100.386	0.001572249	0.998935249
4.00	0.087	100.473	0.000865732	0.999800981
PAN	0.020	100.493	0.000199019	1.0

TOTAL WT. 100.493 grams  
 MEDIAN WT. 50.247 grams  
 MEAN GRAIN SIZE 1.09 phi 0.4698 mm

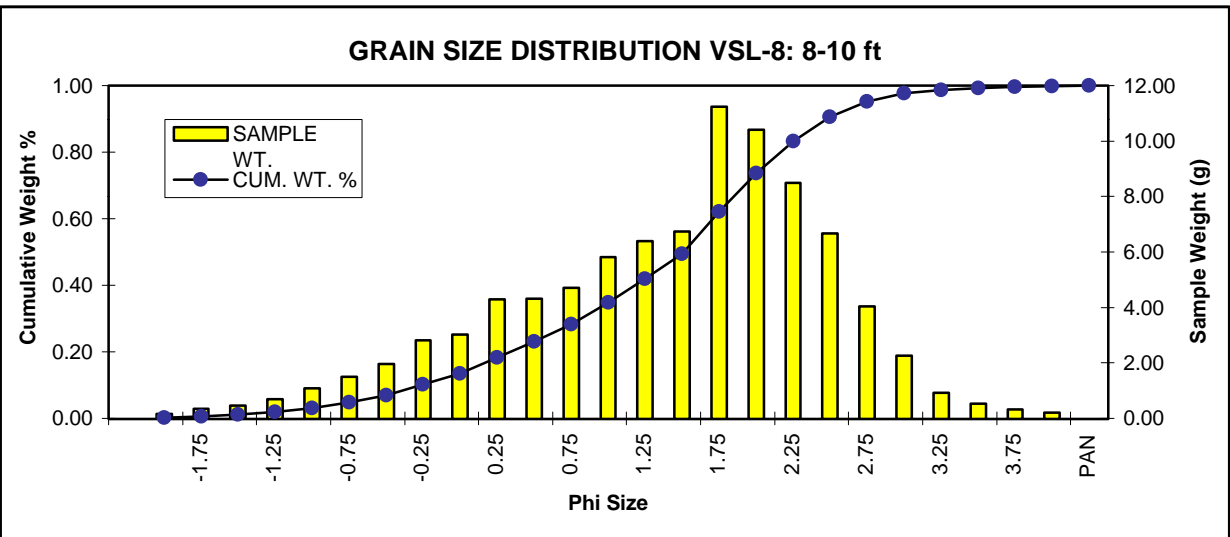


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-8: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.165	0.165	0.001843472	0.001843472
-1.75	0.352	0.517	0.003932741	0.005776214
-1.50	0.454	0.971	0.005072342	0.010848556
-1.25	0.690	1.661	0.007709067	0.018557622
-1.00	1.089	2.750	0.012166918	0.030724541
-0.75	1.508	4.258	0.016848221	0.047572761
-0.50	1.963	6.221	0.021931736	0.069504497
-0.25	2.818	9.039	0.031484275	0.100988772
0.00	3.017	12.056	0.033707614	0.134696386
0.25	4.285	16.341	0.047874420	0.182570806
0.50	4.320	20.661	0.048265460	0.230836266
0.75	4.711	25.372	0.052633931	0.283470197
1.00	5.807	31.179	0.064879057	0.348349254
1.25	6.381	37.560	0.071292107	0.419641361
1.50	6.750	44.310	0.075414781	0.495056142
1.75	11.235	55.545	0.125523714	0.620579856
2.00	10.419	65.964	0.116406905	0.736986761
2.25	8.485	74.449	0.094799173	0.831785934
2.50	6.678	81.127	0.074610357	0.906396291
2.75	4.048	85.175	0.045226524	0.951622814
3.00	2.256	87.431	0.025205296	0.976828110
3.25	0.926	88.357	0.010345791	0.987173901
3.50	0.535	88.892	0.005977320	0.993151221
3.75	0.324	89.216	0.003619910	0.996771130
4.00	0.198	89.414	0.002212167	0.998983297
PAN	0.091	89.505	0.001016703	1.0

**TOTAL WT.** 89.505 grams  
**MEDIAN WT.** 44.753 grams  
**MEAN GRAIN SIZE** 1.51 phi 0.3511 mm



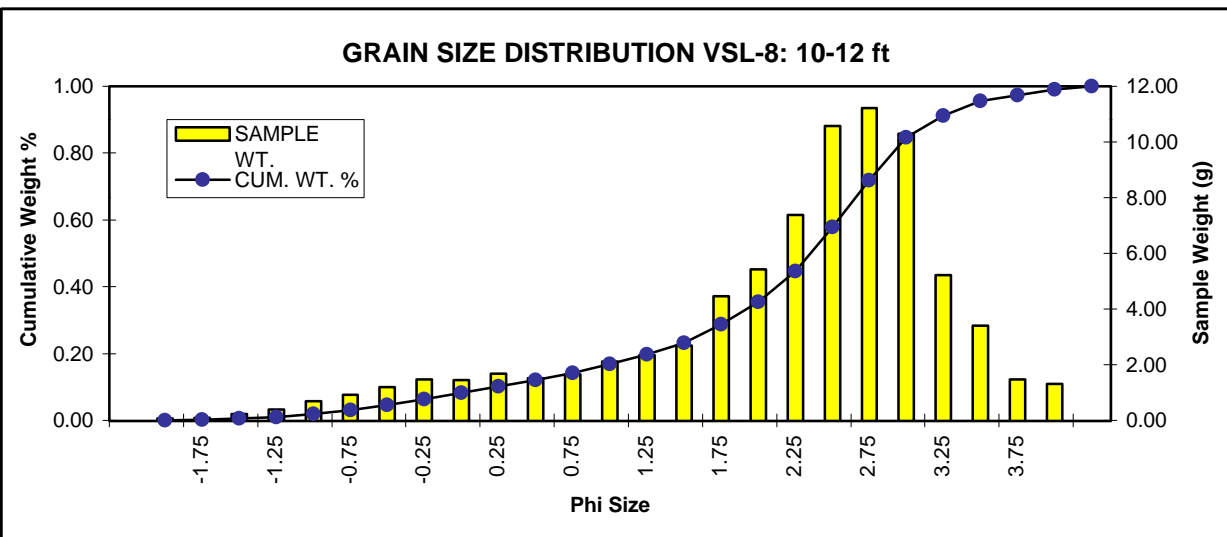


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-8: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.060	0.060	0.000749008	0.000749008
-1.75	0.101	0.161	0.001260829	0.002009837
-1.50	0.235	0.396	0.002933613	0.004943450
-1.25	0.396	0.792	0.004943450	0.009886900
-1.00	0.689	1.481	0.008601104	0.018488003
-0.75	0.928	2.409	0.011584650	0.030072654
-0.50	1.204	3.613	0.015030085	0.045102739
-0.25	1.472	5.085	0.018375652	0.063478391
0.00	1.443	6.528	0.018013632	0.081492023
0.25	1.678	8.206	0.020947245	0.102439268
0.50	1.524	9.730	0.019024792	0.121464060
0.75	1.652	11.382	0.020622675	0.142086735
1.00	2.116	13.498	0.026415000	0.168501735
1.25	2.354	15.852	0.029386063	0.197887799
1.50	2.682	18.534	0.033480638	0.231368437
1.75	4.460	22.994	0.055676229	0.287044666
2.00	5.416	28.410	0.067610416	0.354655082
2.25	7.388	35.798	0.092227798	0.446882880
2.50	10.574	46.372	0.132000100	0.578882980
2.75	11.214	57.586	0.139989514	0.718872494
3.00	10.300	67.886	0.128579632	0.847452126
3.25	5.221	73.107	0.065176142	0.912628268
3.50	3.401	76.508	0.042456245	0.955084513
3.75	1.469	77.977	0.018338202	0.973422715
4.00	1.299	79.276	0.016216014	0.989638729
PAN	0.830	80.106	0.010361271	1.0

<b>TOTAL WT.</b>	80.106	grams	
<b>MEDIAN WT.</b>	40.053	grams	
<b>MEAN GRAIN SIZE</b>	2.35	phi	0.1961 mm

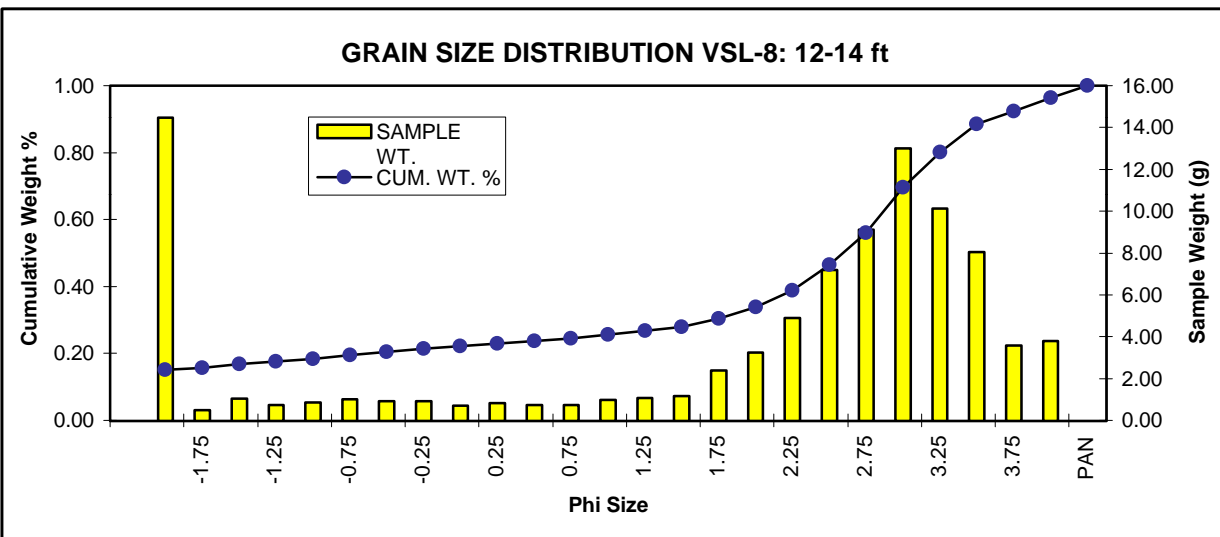


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-8: 12-14 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	14.461	14.461	0.151344846	0.151344846
-1.75	0.504	14.965	0.005274725	0.156619571
-1.50	1.055	16.020	0.011041340	0.167660911
-1.25	0.732	16.752	0.007660911	0.175321821
-1.00	0.862	17.614	0.009021455	0.184343276
-0.75	1.021	18.635	0.010685505	0.195028781
-0.50	0.933	19.568	0.009764521	0.204793302
-0.25	0.923	20.491	0.009659864	0.214453166
0.00	0.701	21.192	0.007336473	0.221789639
0.25	0.811	22.003	0.008487703	0.230277342
0.50	0.726	22.729	0.007598116	0.237875458
0.75	0.738	23.467	0.007723705	0.245599163
1.00	0.978	24.445	0.010235479	0.255834642
1.25	1.057	25.502	0.011062271	0.266896913
1.50	1.152	26.654	0.012056515	0.278953428
1.75	2.374	29.028	0.024845631	0.303799058
2.00	3.248	32.276	0.033992674	0.337791732
2.25	4.897	37.173	0.051250654	0.389042386
2.50	7.193	44.366	0.075279958	0.464322344
2.75	9.111	53.477	0.095353218	0.559675563
3.00	13.017	66.494	0.136232339	0.695907902
3.25	10.132	76.626	0.106038723	0.801946625
3.50	8.037	84.663	0.084113030	0.886059655
3.75	3.568	88.231	0.037341706	0.923401361
4.00	3.793	92.024	0.039696494	0.963097855
PAN	3.526	95.550	0.036902145	1.0

**TOTAL WT.** 95.550 grams  
**MEDIAN WT.** 47.775 grams  
**MEAN GRAIN SIZE** 2.59 phi 0.1661 mm

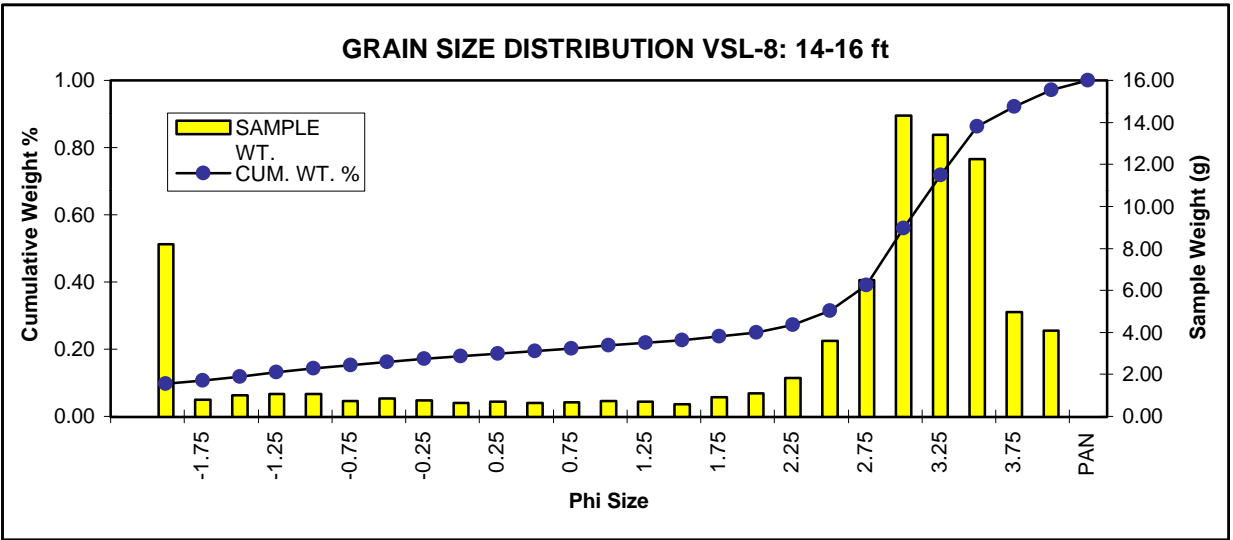


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-8: 14-16 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	8.206	8.206	0.096986172	0.096986172
-1.75	0.793	8.999	0.009372415	0.106358586
-1.50	1.017	10.016	0.012019856	0.118378442
-1.25	1.055	11.071	0.012468975	0.130847418
-1.00	1.063	12.134	0.012563527	0.143410944
-0.75	0.733	12.867	0.008663279	0.152074223
-0.50	0.857	13.724	0.010128826	0.162203049
-0.25	0.767	14.491	0.009065122	0.171268172
0.00	0.650	15.141	0.007682307	0.178950479
0.25	0.701	15.842	0.008285073	0.187235551
0.50	0.648	16.490	0.007658669	0.194894221
0.75	0.664	17.154	0.007847772	0.202741993
1.00	0.731	17.885	0.008639641	0.211381633
1.25	0.690	18.575	0.008155064	0.219536698
1.50	0.576	19.151	0.006807706	0.226344404
1.75	0.923	20.074	0.010908876	0.237253280
2.00	1.102	21.176	0.013024465	0.250277745
2.25	1.831	23.007	0.021640468	0.271918213
2.50	3.606	26.613	0.042619076	0.314537289
2.75	6.485	33.098	0.076645787	0.391183075
3.00	14.324	47.422	0.169294410	0.560477485
3.25	13.398	60.820	0.158350077	0.718827562
3.50	12.246	73.066	0.144734665	0.863562227
3.75	4.975	78.041	0.058799196	0.922361423
4.00	4.094	82.135	0.048386716	0.970748139
PAN	2.475	84.610	0.029251861	1.0

**TOTAL WT.** 84.610 grams  
**MEDIAN WT.** 42.305 grams  
**MEAN GRAIN SIZE** 2.91 phi 0.1330 mm

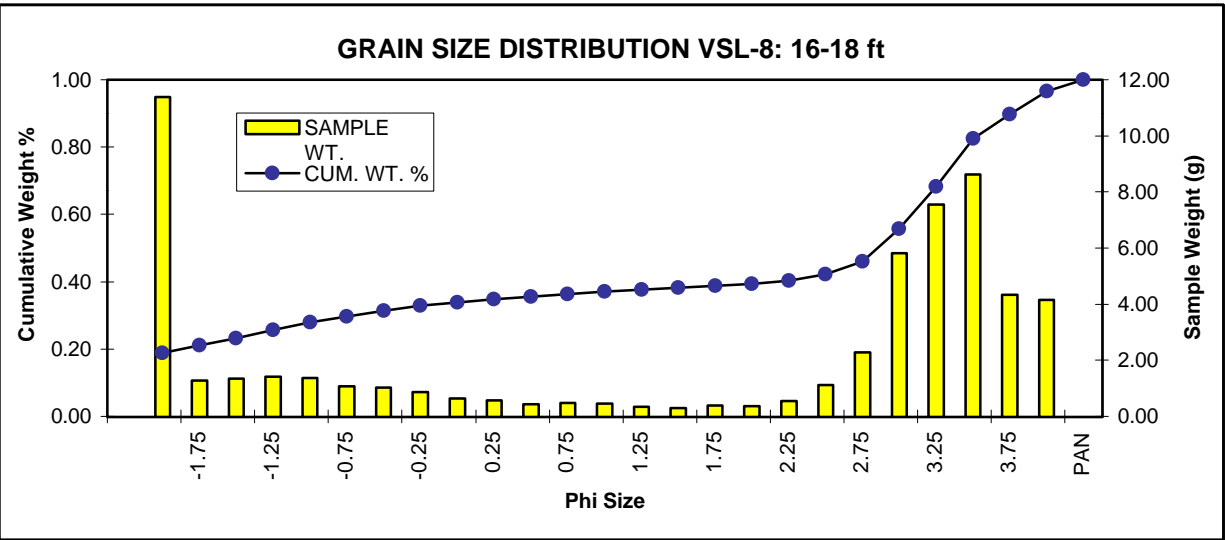


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-8: 16-18 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	11.381	11.381	0.189081424	0.189081424
-1.75	1.286	12.667	0.021365320	0.210446745
-1.50	1.350	14.017	0.022428602	0.232875347
-1.25	1.410	15.427	0.023425429	0.256300776
-1.00	1.366	16.793	0.022694423	0.278995199
-0.75	1.077	17.870	0.017893040	0.296888239
-0.50	1.025	18.895	0.017029124	0.313917363
-0.25	0.876	19.771	0.014553671	0.328471034
0.00	0.635	20.406	0.010549750	0.339020784
0.25	0.567	20.973	0.009420013	0.348440797
0.50	0.439	21.412	0.007293449	0.355734246
0.75	0.469	21.881	0.007791863	0.363526109
1.00	0.459	22.340	0.007625725	0.371151833
1.25	0.335	22.675	0.005565616	0.376717449
1.50	0.304	22.979	0.005050589	0.381768038
1.75	0.378	23.357	0.006280009	0.388048047
2.00	0.372	23.729	0.006180326	0.394228373
2.25	0.540	24.269	0.008971441	0.403199814
2.50	1.109	25.378	0.018424681	0.421624495
2.75	2.280	27.658	0.037879417	0.459503913
3.00	5.823	33.481	0.096742038	0.556245950
3.25	7.560	41.041	0.125600173	0.681846123
3.50	8.628	49.669	0.143343689	0.825189812
3.75	4.332	54.001	0.071970893	0.897160705
4.00	4.145	58.146	0.068864116	0.966024821
PAN	2.045	60.191	0.033975179	1.0

<b>TOTAL WT.</b>	60.191	grams	
<b>MEDIAN WT.</b>	30.096	grams	
<b>MEAN GRAIN SIZE</b>	2.85	phi	0.1387 mm

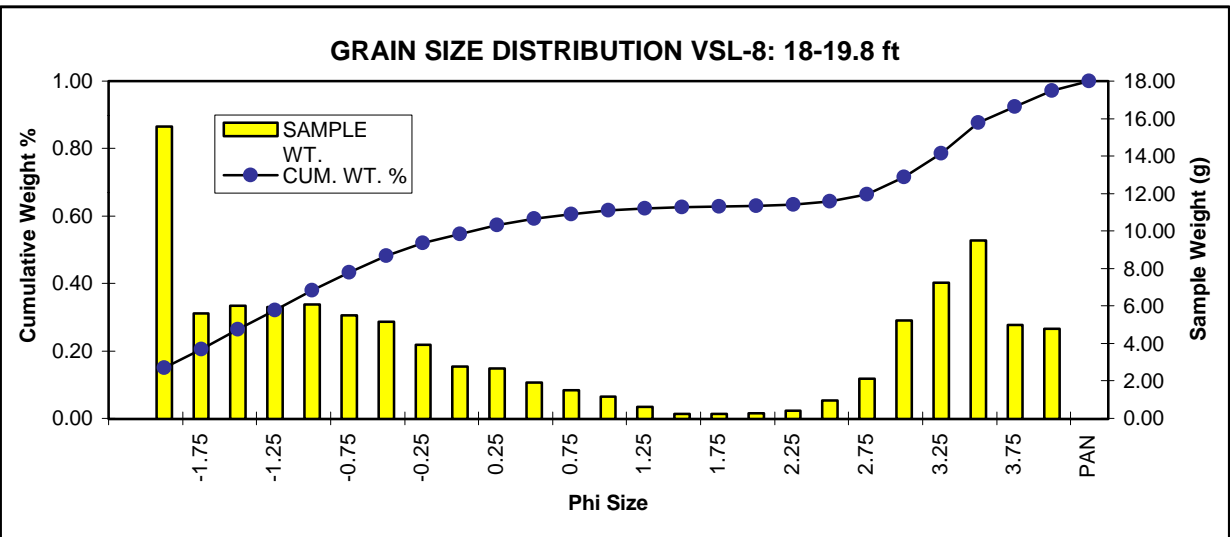


# GRAIN SIZE DISTRIBUTION CHART

**CORE VSL-8: 18-19.8 ft**

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	15.587	15.587	0.150781137	0.150781137
-1.75	5.605	21.192	0.054220073	0.205001209
-1.50	6.025	27.217	0.058282950	0.263284160
-1.25	5.947	33.164	0.057528416	0.320812576
-1.00	6.078	39.242	0.058795647	0.379608222
-0.75	5.488	44.730	0.053088271	0.432696493
-0.50	5.146	49.876	0.049779927	0.482476421
-0.25	3.939	53.815	0.038103990	0.520580411
0.00	2.754	56.569	0.026640871	0.547221282
0.25	2.666	59.235	0.025789601	0.573010883
0.50	1.908	61.143	0.018457074	0.591467956
0.75	1.490	62.633	0.014413543	0.605881499
1.00	1.174	63.807	0.011356711	0.617238210
1.25	0.606	64.413	0.005862152	0.623100363
1.50	0.251	64.664	0.002428053	0.625528416
1.75	0.249	64.913	0.002408706	0.627937122
2.00	0.271	65.184	0.002621524	0.630558646
2.25	0.424	65.608	0.004101572	0.634660218
2.50	0.958	66.566	0.009267231	0.643927449
2.75	2.115	68.681	0.020459492	0.664386941
3.00	5.218	73.899	0.050476421	0.714863362
3.25	7.226	81.125	0.069900846	0.784764208
3.50	9.506	90.631	0.091956469	0.876720677
3.75	4.974	95.605	0.048116082	0.924836759
4.00	4.772	100.377	0.046162031	0.970998791
PAN	2.998	103.375	0.029001209	1.0

**TOTAL WT.** 103.375 grams  
**MEDIAN WT.** 51.688 grams  
**MEAN GRAIN SIZE** -0.38 phi 1.3013 mm

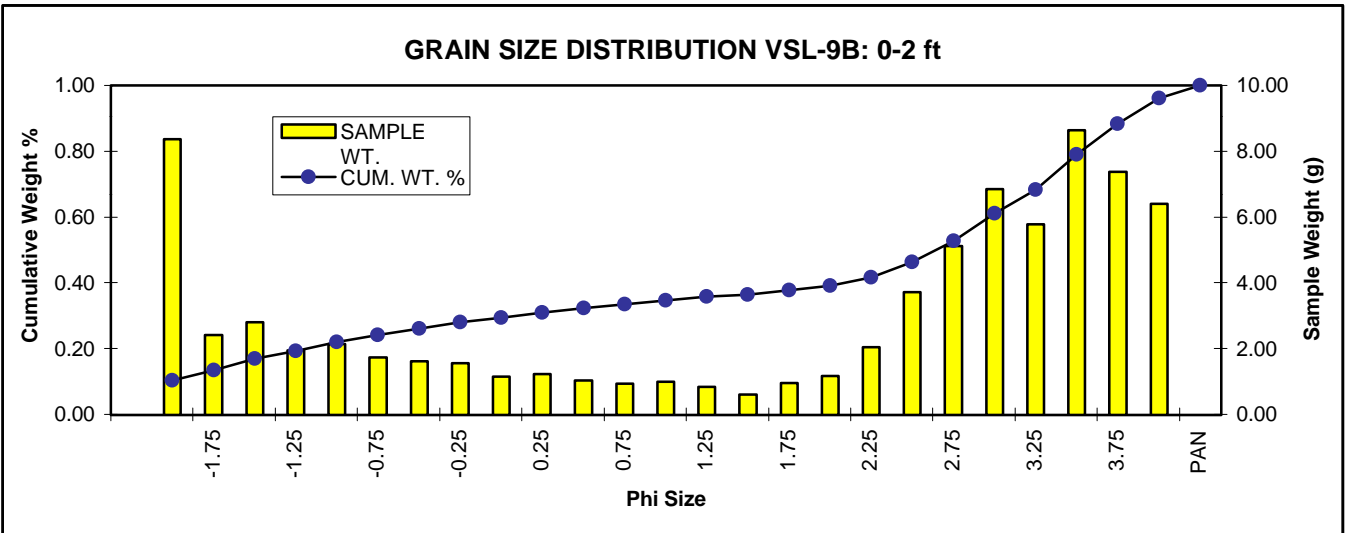


# GRAIN SIZE DISTRIBUTION CHART

CORE VSL-9B: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	8.359	8.359	0.103903045	0.103903045
-1.75	2.414	10.773	0.030006215	0.133909260
-1.50	2.798	13.571	0.034779366	0.168688626
-1.25	1.941	15.512	0.024126787	0.192815413
-1.00	2.139	17.651	0.026587943	0.219403356
-0.75	1.732	19.383	0.021528900	0.240932256
-0.50	1.609	20.992	0.020000000	0.260932256
-0.25	1.564	22.556	0.019440646	0.280372902
0.00	1.151	23.707	0.014307023	0.294679925
0.25	1.232	24.939	0.015313860	0.309993785
0.50	1.024	25.963	0.012728403	0.322722188
0.75	0.938	26.901	0.011659416	0.334381603
1.00	0.994	27.895	0.012355500	0.346737104
1.25	0.835	28.730	0.010379117	0.357116221
1.50	0.612	29.342	0.007607209	0.364723431
1.75	0.948	30.290	0.011783717	0.376507147
2.00	1.175	31.465	0.014605345	0.391112492
2.25	2.045	33.510	0.025419515	0.416532007
2.50	3.724	37.234	0.046289621	0.462821628
2.75	5.115	42.349	0.063579863	0.526401492
3.00	6.839	49.188	0.085009323	0.611410814
3.25	5.786	54.974	0.071920447	0.683331262
3.50	8.629	63.603	0.107259167	0.790590429
3.75	7.383	70.986	0.091771287	0.882361715
4.00	6.398	77.384	0.079527657	0.961889372
PAN	3.066	80.450	0.038110628	1.0

<b>TOTAL WT.</b>	80.450	grams	
<b>MEDIAN WT.</b>	40.225	grams	
<b>MEAN GRAIN SIZE</b>	2.65	phi	0.1593 mm

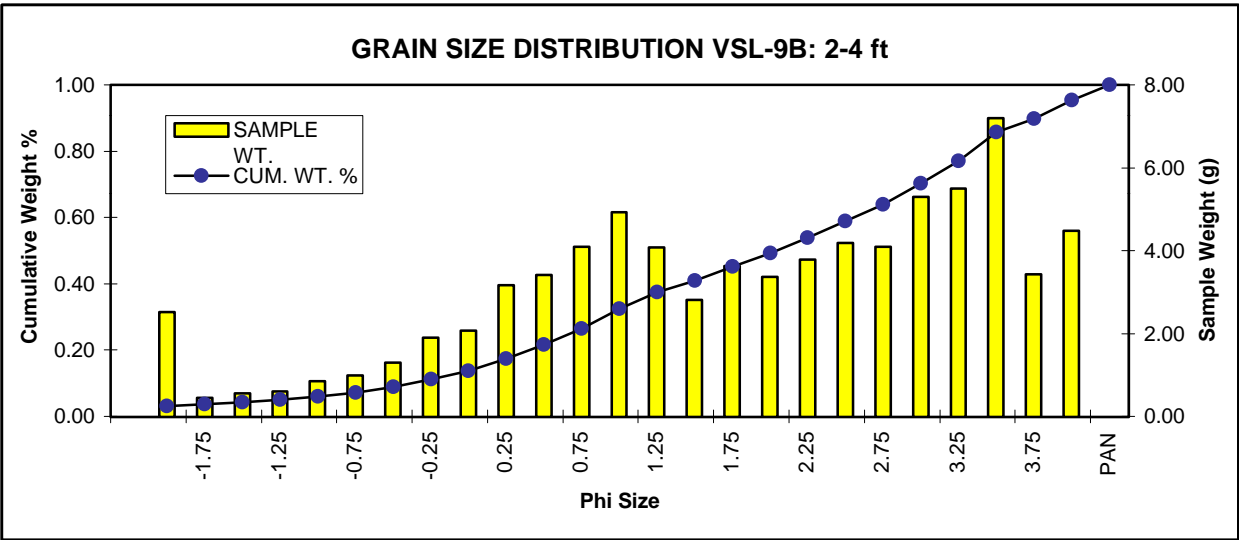


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-9B: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	2.520	2.520	0.030521038	0.030521038
-1.75	0.453	2.973	0.005486520	0.036007558
-1.50	0.551	3.524	0.006673449	0.042681007
-1.25	0.605	4.129	0.007327471	0.050008478
-1.00	0.853	4.982	0.010331129	0.060339607
-0.75	0.994	5.976	0.012038854	0.072378461
-0.50	1.304	7.280	0.015793426	0.088171887
-0.25	1.898	9.178	0.022987670	0.111159557
0.00	2.065	11.243	0.025010295	0.136169852
0.25	3.162	14.405	0.038296635	0.174466487
0.50	3.414	17.819	0.041348739	0.215815227
0.75	4.086	21.905	0.049487683	0.265302909
1.00	4.927	26.832	0.059673473	0.324976383
1.25	4.082	30.914	0.049439236	0.374415619
1.50	2.807	33.721	0.033997045	0.408412664
1.75	3.627	37.348	0.043928494	0.452341157
2.00	3.362	40.710	0.040718940	0.493060097
2.25	3.781	44.491	0.045793668	0.538853765
2.50	4.184	48.675	0.050674612	0.589528377
2.75	4.100	52.775	0.049657244	0.639185621
3.00	5.297	58.072	0.064154737	0.703340358
3.25	5.502	63.574	0.066637599	0.769977957
3.50	7.196	70.770	0.087154519	0.857132476
3.75	3.424	74.194	0.041469854	0.898602330
4.00	4.483	78.677	0.054295957	0.952898287
PAN	3.889	82.566	0.047101713	1.0

<b>TOTAL WT.</b>	82.566	grams	
<b>MEDIAN WT.</b>	41.283	grams	
<b>MEAN GRAIN SIZE</b>	2.04	phi	0.2432 mm

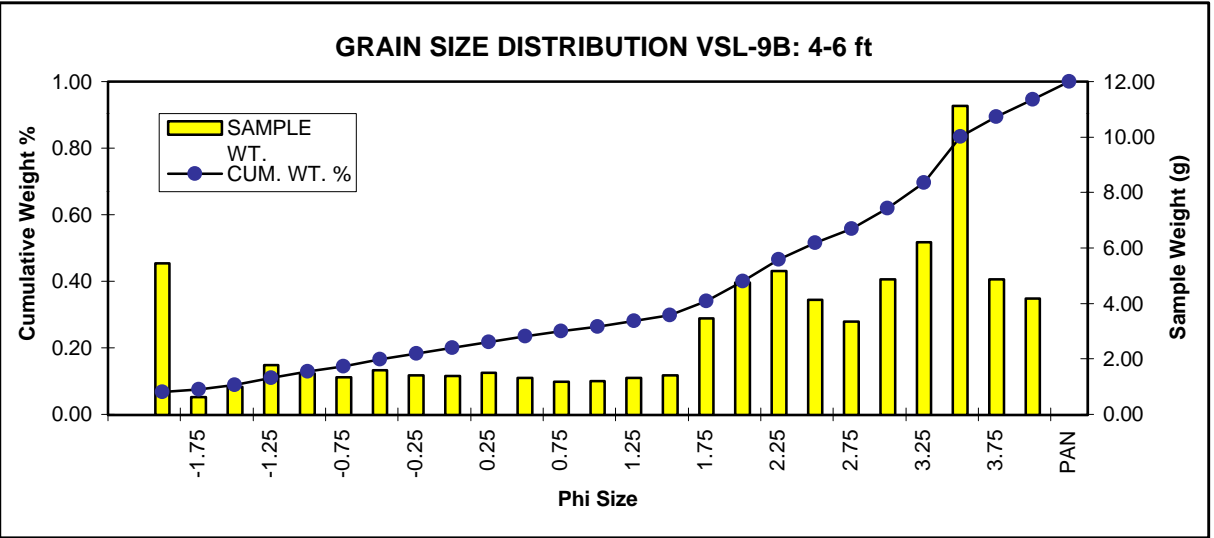


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-9B: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	5.442	5.442	0.067764952	0.067764952
-1.75	0.614	6.056	0.007645660	0.075410612
-1.50	0.993	7.049	0.012365049	0.087775661
-1.25	1.770	8.819	0.022040420	0.109816081
-1.00	1.476	10.295	0.018379469	0.128195550
-0.75	1.347	11.642	0.016773133	0.144968683
-0.50	1.587	13.229	0.019761665	0.164730347
-0.25	1.414	14.643	0.017607431	0.182337779
0.00	1.377	16.020	0.017146700	0.199484478
0.25	1.498	17.518	0.018653418	0.218137896
0.50	1.309	18.827	0.016299949	0.234437845
0.75	1.183	20.010	0.014730970	0.249168815
1.00	1.207	21.217	0.015029823	0.264198638
1.25	1.319	22.536	0.016424471	0.280623109
1.50	1.415	23.951	0.017619884	0.298242993
1.75	3.461	27.412	0.043097115	0.341340107
2.00	4.763	32.175	0.059309898	0.400650006
2.25	5.163	37.338	0.064290784	0.464940790
2.50	4.124	41.462	0.051352933	0.516293723
2.75	3.352	44.814	0.041739823	0.558033546
3.00	4.866	49.680	0.060592476	0.618626023
3.25	6.200	55.880	0.077203731	0.695829753
3.50	11.117	66.997	0.138431270	0.834261023
3.75	4.860	71.857	0.060517763	0.894778786
4.00	4.176	76.033	0.052000448	0.946779235
PAN	4.274	80.307	0.053220765	1.0

<b>TOTAL WT.</b>	80.307	grams	
<b>MEDIAN WT.</b>	40.154	grams	
<b>MEAN GRAIN SIZE</b>	2.42	phi	0.1869 mm



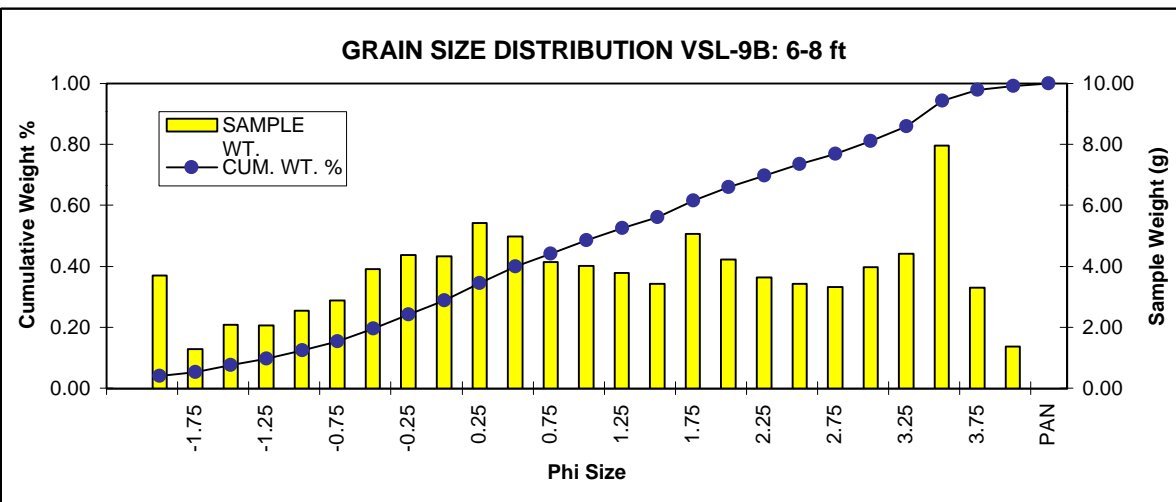


# GRAIN SIZE DISTRIBUTION CHART

**CORE VSL-9B: 6-8 ft**

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	3.696	3.696	0.039214438	0.039214438
-1.75	1.288	4.984	0.013665637	0.052880076
-1.50	2.087	7.071	0.022143001	0.075023077
-1.25	2.053	9.124	0.021782262	0.096805339
-1.00	2.548	11.672	0.027034196	0.123839535
-0.75	2.871	14.543	0.030461215	0.154300750
-0.50	3.914	18.457	0.041527411	0.195828161
-0.25	4.372	22.829	0.046386776	0.242214937
0.00	4.329	27.158	0.045930547	0.288145484
0.25	5.413	32.571	0.057431751	0.345577235
0.50	4.971	37.542	0.052742146	0.398319381
0.75	4.132	41.674	0.043840384	0.442159765
1.00	4.020	45.694	0.042652067	0.484811832
1.25	3.783	49.477	0.040137505	0.524949337
1.50	3.416	52.893	0.036243647	0.561192985
1.75	5.056	57.949	0.053643993	0.614836978
2.00	4.213	62.162	0.044699791	0.659536769
2.25	3.642	65.804	0.038641500	0.698178269
2.50	3.418	69.222	0.036264867	0.734443136
2.75	3.310	72.532	0.035118991	0.769562127
3.00	3.976	76.508	0.042185229	0.811747355
3.25	4.418	80.926	0.046874834	0.858622190
3.50	7.954	88.880	0.084391678	0.943013867
3.75	3.292	92.172	0.034928011	0.977941879
4.00	1.359	93.531	0.014418945	0.992360824
PAN	0.720	94.251	0.007639176	1.0

<b>TOTAL WT.</b>	94.251	grams
<b>MEDIAN WT.</b>	47.126	grams
<b>MEAN GRAIN SIZE</b>	1.09	phi
		0.4698 mm

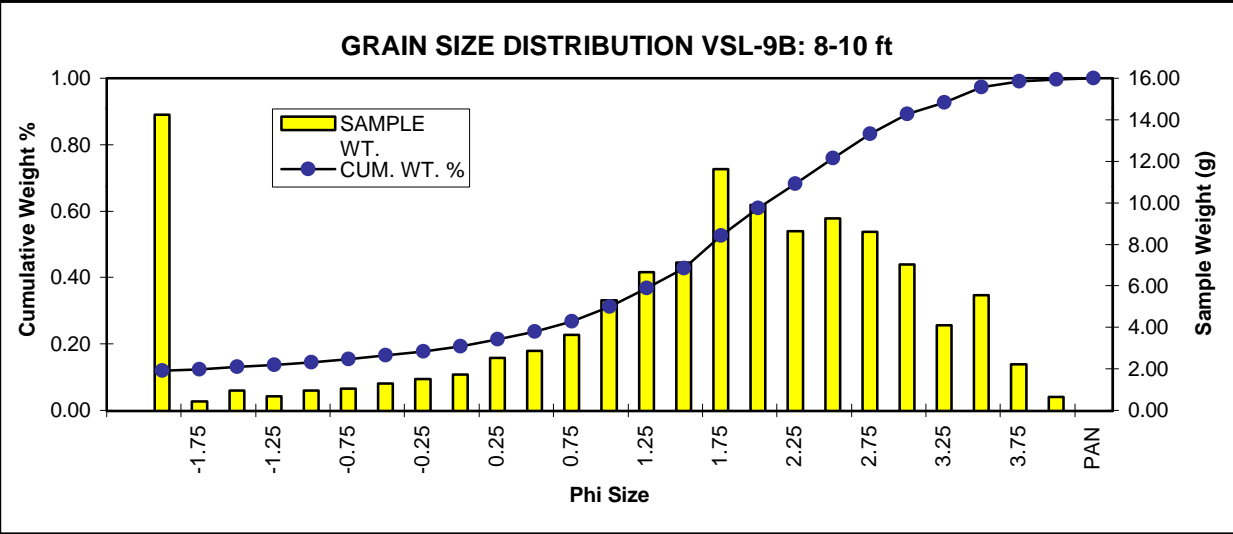


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-9B: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	14.229	14.229	0.119649855	0.119649855
-1.75	0.422	14.651	0.003548544	0.123198399
-1.50	0.965	15.616	0.008114562	0.131312961
-1.25	0.676	16.292	0.005684398	0.136997360
-1.00	0.943	17.235	0.007929567	0.144926927
-0.75	1.063	18.298	0.008938632	0.153865559
-0.50	1.298	19.596	0.010914717	0.164780276
-0.25	1.510	21.106	0.012697398	0.177477674
0.00	1.739	22.845	0.014623030	0.192100705
0.25	2.539	25.384	0.021350129	0.213450833
0.50	2.856	28.240	0.024015741	0.237466575
0.75	3.627	31.867	0.030498983	0.267965557
1.00	5.307	37.174	0.044625889	0.312591446
1.25	6.672	43.846	0.056104001	0.368695447
1.50	7.127	50.973	0.059930038	0.428625486
1.75	11.613	62.586	0.097652243	0.526277728
2.00	9.900	72.486	0.083247843	0.609525571
2.25	8.642	81.128	0.072669481	0.682195052
2.50	9.251	90.379	0.077790485	0.759985537
2.75	8.608	98.987	0.072383579	0.832369116
3.00	7.022	106.009	0.059047107	0.891416222
3.25	4.093	110.102	0.034417517	0.925833740
3.50	5.554	115.656	0.046702881	0.972536621
3.75	2.229	117.885	0.018743378	0.991279999
4.00	0.649	118.534	0.005457359	0.996737357
PAN	0.388	118.922	0.003262643	1.0

<b>TOTAL WT.</b>	118.922	grams	
<b>MEDIAN WT.</b>	59.461	grams	
<b>MEAN GRAIN SIZE</b>	1.68	phi	0.3121 mm

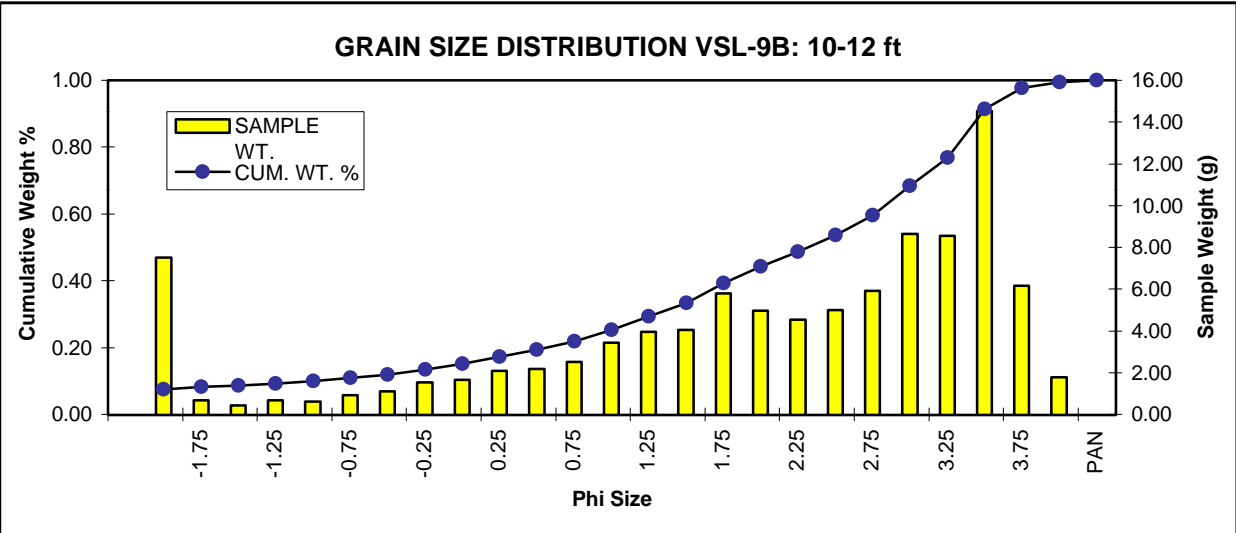


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-9B: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	7.505	7.505	0.075234324	0.075234324
-1.75	0.664	8.169	0.006656308	0.081890632
-1.50	0.421	8.590	0.004220340	0.086110972
-1.25	0.667	9.257	0.006686382	0.092797354
-1.00	0.625	9.882	0.006265350	0.099062704
-0.75	0.917	10.799	0.009192522	0.108255225
-0.50	1.118	11.917	0.011207458	0.119462684
-0.25	1.532	13.449	0.015357626	0.134820310
0.00	1.654	15.103	0.016580623	0.151400932
0.25	2.086	17.189	0.020911233	0.172312165
0.50	2.180	19.369	0.021853541	0.194165706
0.75	2.507	21.876	0.025131572	0.219297278
1.00	3.436	25.312	0.034444389	0.253741667
1.25	3.944	29.256	0.039536865	0.293278532
1.50	4.061	33.317	0.040709739	0.333988271
1.75	5.786	39.103	0.058002105	0.391990376
2.00	4.974	44.077	0.049862162	0.441852539
2.25	4.526	48.603	0.045371159	0.487223698
2.50	4.986	53.589	0.049982457	0.537206155
2.75	5.915	59.504	0.059295273	0.596501428
3.00	8.658	68.162	0.086792642	0.683294070
3.25	8.540	76.702	0.085609744	0.768903814
3.50	14.526	91.228	0.145616761	0.914520575
3.75	6.176	97.404	0.061911684	0.976432259
4.00	1.772	99.176	0.017763521	0.994195780
PAN	0.579	99.755	0.005804220	1.0

<b>TOTAL WT.</b>	99.755	grams	
<b>MEDIAN WT.</b>	49.878	grams	
<b>MEAN GRAIN SIZE</b>	2.31	phi	0.2017 mm

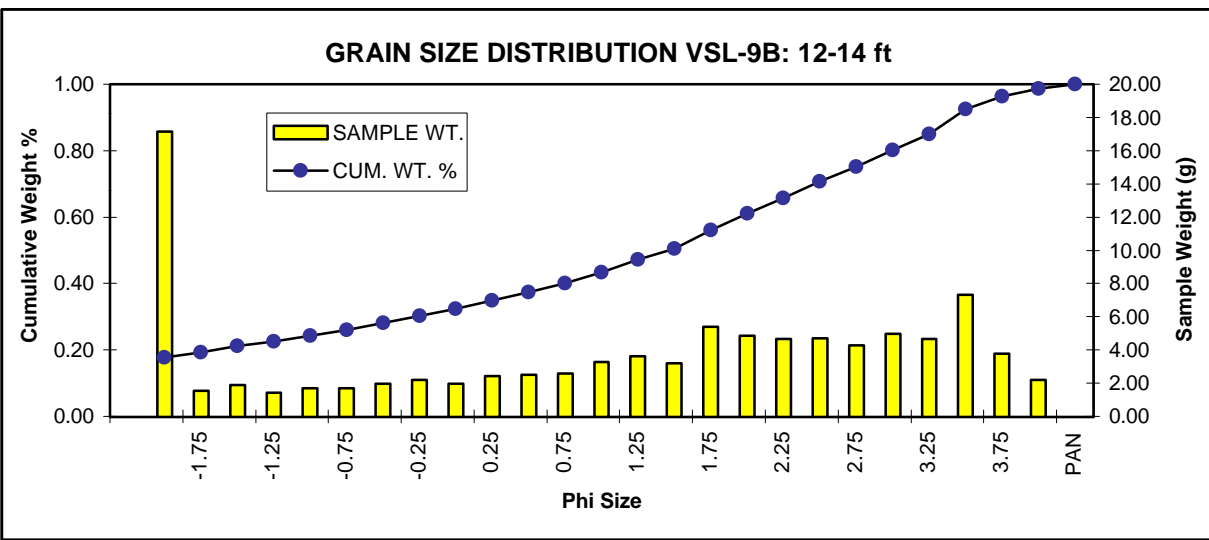


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-9B: 12-14 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	17.145	17.145	0.176330838	0.176330838
-1.75	1.536	18.681	0.015797268	0.192128106
-1.50	1.876	20.557	0.019294060	0.211422166
-1.25	1.410	21.967	0.014501399	0.225923564
-1.00	1.687	23.654	0.017350255	0.243273819
-0.75	1.689	25.343	0.017370824	0.260644644
-0.50	1.962	27.305	0.020178542	0.280823186
-0.25	2.198	29.503	0.022605727	0.303428912
0.00	1.948	31.451	0.020034557	0.323463469
0.25	2.427	33.878	0.024960918	0.348424387
0.50	2.495	36.373	0.025660276	0.374084663
0.75	2.577	38.950	0.026503620	0.400588284
1.00	3.279	42.229	0.033723466	0.434311749
1.25	3.619	45.848	0.037220257	0.471532006
1.50	3.210	49.058	0.033013823	0.504545829
1.75	5.381	54.439	0.055341863	0.559887691
2.00	4.861	59.300	0.049993829	0.609881520
2.25	4.674	63.974	0.048070594	0.657952115
2.50	4.709	68.683	0.048430558	0.706382672
2.75	4.296	72.979	0.044182985	0.750565657
3.00	4.974	77.953	0.051155998	0.801721655
3.25	4.680	82.633	0.048132302	0.849853958
3.50	7.325	89.958	0.075335281	0.925189238
3.75	3.791	93.749	0.038989222	0.964178460
4.00	2.208	95.957	0.022708573	0.986887033
PAN	1.275	97.232	0.013112967	1.0

<b>TOTAL WT.</b>	97.232	grams	
<b>MEDIAN WT.</b>	48.616	grams	
<b>MEAN GRAIN SIZE</b>	1.47	phi	0.3610 mm

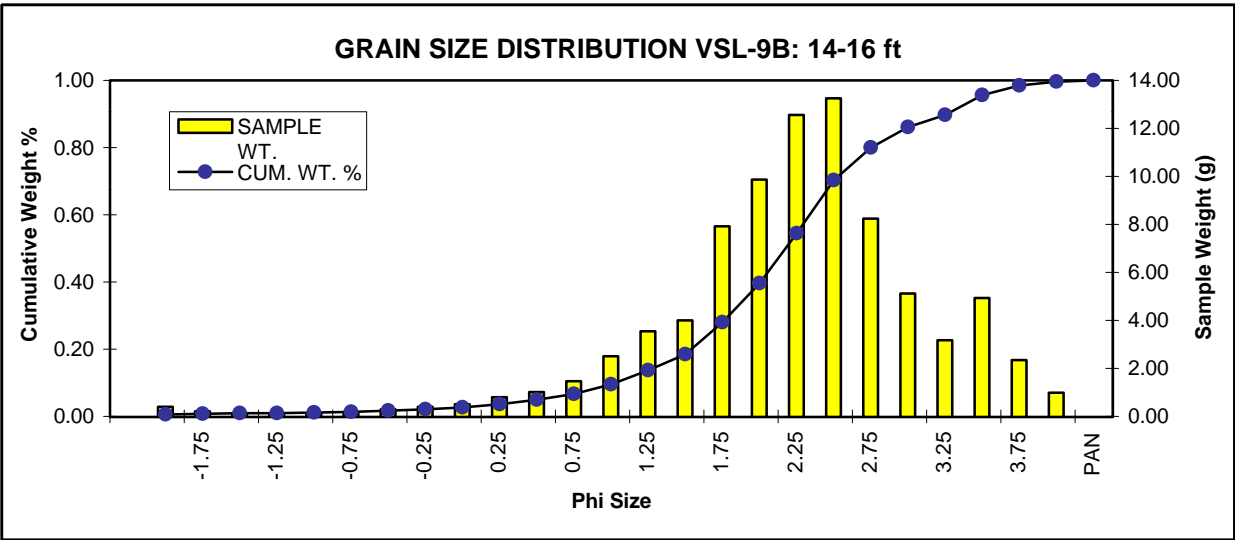


# GRAIN SIZE DISTRIBUTION CHART

**CORE VSL-9B: 14-16 ft**

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.404	0.404	0.004786219	0.004786219
-1.75	0.215	0.619	0.002547122	0.007333341
-1.50	0.125	0.744	0.001480885	0.008814226
-1.25	0.087	0.831	0.001030696	0.009844922
-1.00	0.119	0.950	0.001409802	0.011254724
-0.75	0.183	1.133	0.002168015	0.013422739
-0.50	0.288	1.421	0.003411958	0.016834698
-0.25	0.388	1.809	0.004596666	0.021431364
0.00	0.496	2.305	0.005876151	0.027307515
0.25	0.803	3.108	0.009513204	0.036820718
0.50	1.011	4.119	0.011977396	0.048798114
0.75	1.460	5.579	0.017296734	0.066094848
1.00	2.520	8.099	0.029854636	0.095949484
1.25	3.537	11.636	0.041903115	0.137852599
1.50	4.010	15.646	0.047506782	0.185359381
1.75	7.928	23.574	0.093923634	0.279283015
2.00	9.863	33.437	0.116847730	0.396130744
2.25	12.571	46.008	0.148929617	0.545060361
2.50	13.244	59.252	0.156902700	0.701963061
2.75	8.236	67.488	0.097572534	0.799535595
3.00	5.112	72.600	0.060562262	0.860097857
3.25	3.179	75.779	0.037661861	0.897759718
3.50	4.921	80.700	0.058299470	0.956059188
3.75	2.353	83.053	0.027876174	0.983935362
4.00	0.994	84.047	0.011775995	0.995711358
PAN	0.362	84.409	0.004288642	1.0

<b>TOTAL WT.</b>	84.409	grams	
<b>MEDIAN WT.</b>	42.205	grams	
<b>MEAN GRAIN SIZE</b>	2.17	phi	0.2222 mm

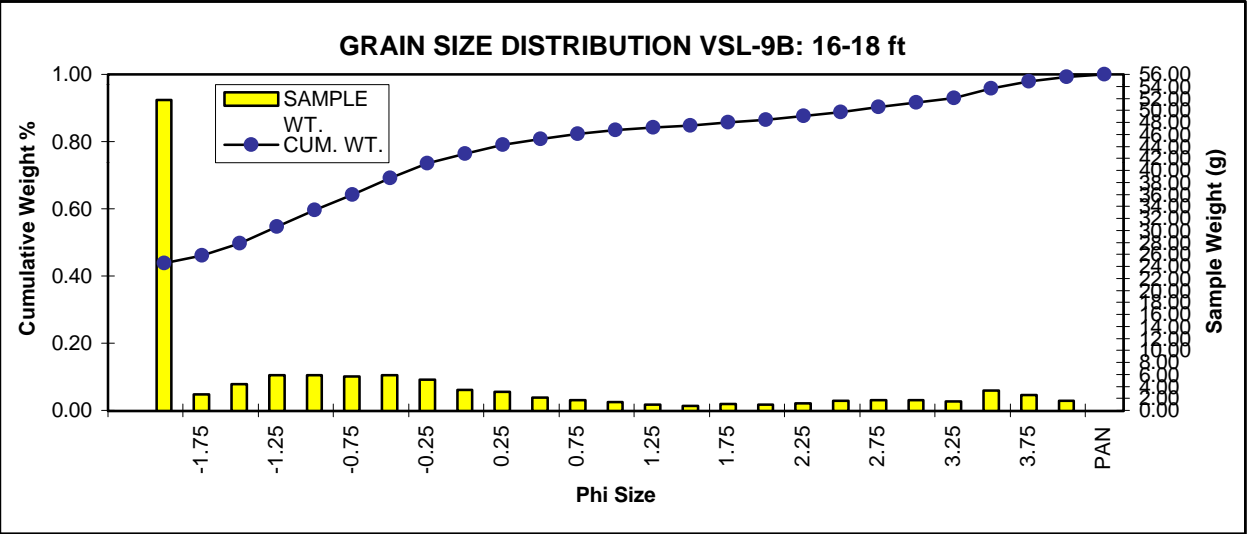


# GRAIN SIZE DISTRIBUTION CHART

**CORE VSL-9B: 16-18 ft**

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	51.780	51.780	0.437441919	0.437441919
-1.75	2.712	54.492	0.022911211	0.460353130
-1.50	4.345	58.837	0.036706936	0.497060066
-1.25	5.820	64.657	0.049167863	0.546227929
-1.00	5.823	70.480	0.049193208	0.595421137
-0.75	5.607	76.087	0.047368421	0.642789558
-0.50	5.839	81.926	0.049328377	0.692117935
-0.25	5.087	87.013	0.042975416	0.735093351
0.00	3.411	90.424	0.028816423	0.763909774
0.25	3.113	93.537	0.026298893	0.790208668
0.50	2.122	95.659	0.017926840	0.808135507
0.75	1.662	97.321	0.014040720	0.822176227
1.00	1.396	98.717	0.011793529	0.833969756
1.25	1.010	99.727	0.008532567	0.842502323
1.50	0.695	100.422	0.005871420	0.848373743
1.75	1.015	101.437	0.008574808	0.856948551
2.00	0.967	102.404	0.008169300	0.865117851
2.25	1.210	103.614	0.010222185	0.875340035
2.50	1.554	105.168	0.013128326	0.888468362
2.75	1.674	106.842	0.014142097	0.902610459
3.00	1.697	108.539	0.014336403	0.916946862
3.25	1.489	110.028	0.012579201	0.929526062
3.50	3.271	113.299	0.027633691	0.957159753
3.75	2.592	115.891	0.021897440	0.979057194
4.00	1.584	117.475	0.013381769	0.992438963
PAN	0.895	118.370	0.007561037	1.0

<b>TOTAL WT.</b>	118.370	grams	
<b>MEDIAN WT.</b>	59.185	grams	
<b>MEAN GRAIN SIZE</b>	-1.49	phi	2.8089 mm

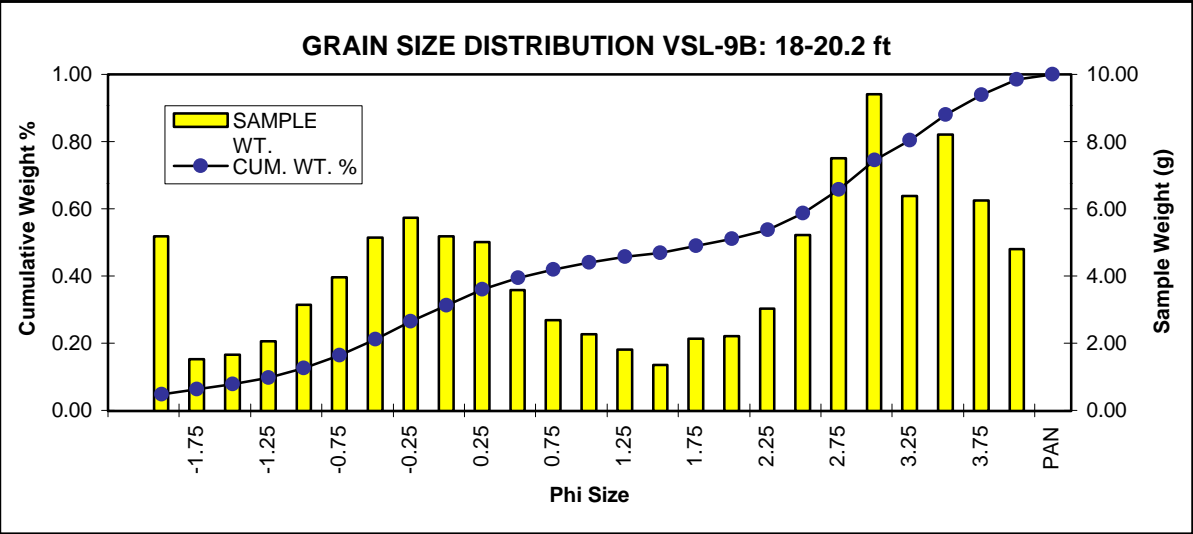


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-9B: 18-20.2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	5.188	5.188	0.048411328	0.048411328
-1.75	1.524	6.712	0.014221061	0.062632389
-1.50	1.650	8.362	0.015396818	0.078029207
-1.25	2.055	10.417	0.019176037	0.097205244
-1.00	3.134	13.551	0.029244623	0.126449867
-0.75	3.954	17.505	0.036896375	0.163346242
-0.50	5.137	22.642	0.047935427	0.211281668
-0.25	5.740	28.382	0.053562264	0.264843932
0.00	5.183	33.565	0.048364671	0.313208604
0.25	5.013	38.578	0.046778332	0.359986936
0.50	3.574	42.152	0.033350441	0.393337377
0.75	2.691	44.843	0.025110810	0.418448187
1.00	2.268	47.111	0.021163626	0.439611814
1.25	1.815	48.926	0.016936500	0.456548313
1.50	1.346	50.272	0.012560071	0.469108384
1.75	2.137	52.409	0.019941212	0.489049596
2.00	2.211	54.620	0.020631736	0.509681333
2.25	3.022	57.642	0.028199505	0.537880838
2.50	5.224	62.866	0.048747259	0.586628097
2.75	7.512	70.378	0.070097513	0.656725610
3.00	9.419	79.797	0.087892502	0.744618112
3.25	6.379	86.176	0.059525031	0.804143144
3.50	8.209	94.385	0.076601502	0.880744646
3.75	6.247	100.632	0.058293286	0.939037932
4.00	4.801	105.433	0.044800075	0.983838007
PAN	1.732	107.165	0.016161993	1.0

<b>TOTAL WT.</b>	107.165	grams	
<b>MEDIAN WT.</b>	53.583	grams	
<b>MEAN GRAIN SIZE</b>	1.88	phi	0.2717 mm

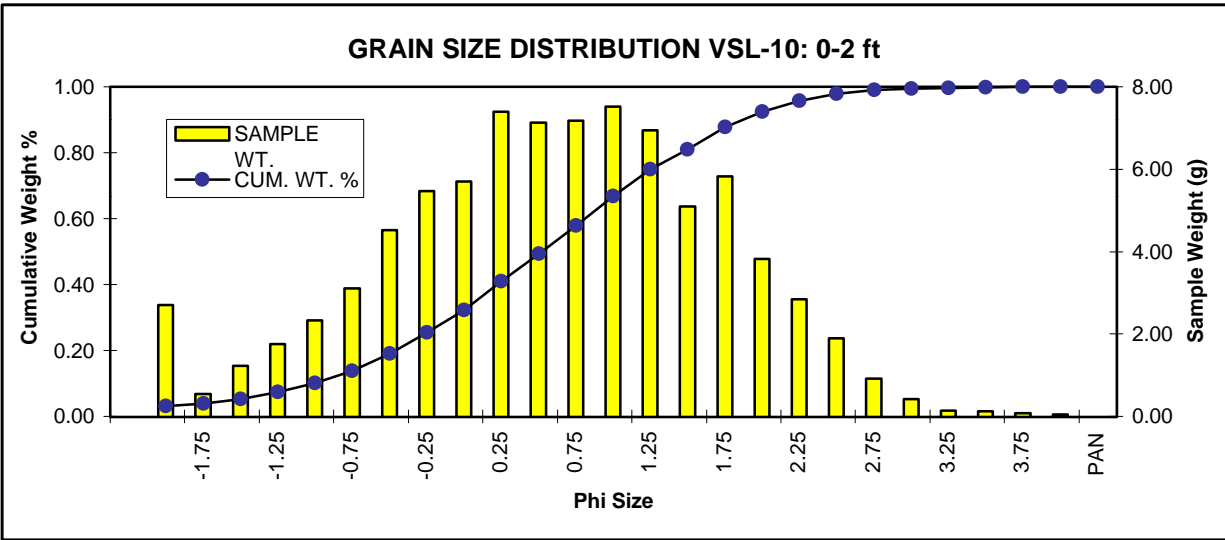


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-10: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	2.698	2.698	0.031842698	0.031842698
-1.75	0.545	3.243	0.006432272	0.038274971
-1.50	1.225	4.468	0.014457860	0.052732831
-1.25	1.756	6.224	0.020724899	0.073457730
-1.00	2.323	8.547	0.027416823	0.100874553
-0.75	3.100	11.647	0.036587237	0.137461790
-0.50	4.513	16.160	0.053263936	0.190725726
-0.25	5.461	21.621	0.064452549	0.255178274
0.00	5.706	27.327	0.067344121	0.322522395
0.25	7.394	34.721	0.087266461	0.409788856
0.50	7.136	41.857	0.084221459	0.494010315
0.75	7.172	49.029	0.084646343	0.578656658
1.00	7.523	56.552	0.088788962	0.667445621
1.25	6.951	63.503	0.082038027	0.749483648
1.50	5.090	68.593	0.060073883	0.809557530
1.75	5.831	74.424	0.068819412	0.878376943
2.00	3.816	78.240	0.045037708	0.923414651
2.25	2.839	81.079	0.033506828	0.956921479
2.50	1.898	82.977	0.022400831	0.979322310
2.75	0.910	83.887	0.010740124	0.990062434
3.00	0.417	84.304	0.004921573	0.994984008
3.25	0.143	84.447	0.001687734	0.996671742
3.50	0.122	84.569	0.001439885	0.998111626
3.75	0.082	84.651	0.000967791	0.999079418
4.00	0.050	84.701	0.000590117	0.999669535
PAN	0.028	84.729	0.000330465	1.0

<b>TOTAL WT.</b>	84.729	grams	
<b>MEDIAN WT.</b>	42.365	grams	
<b>MEAN GRAIN SIZE</b>	0.52	phi	0.6974 mm



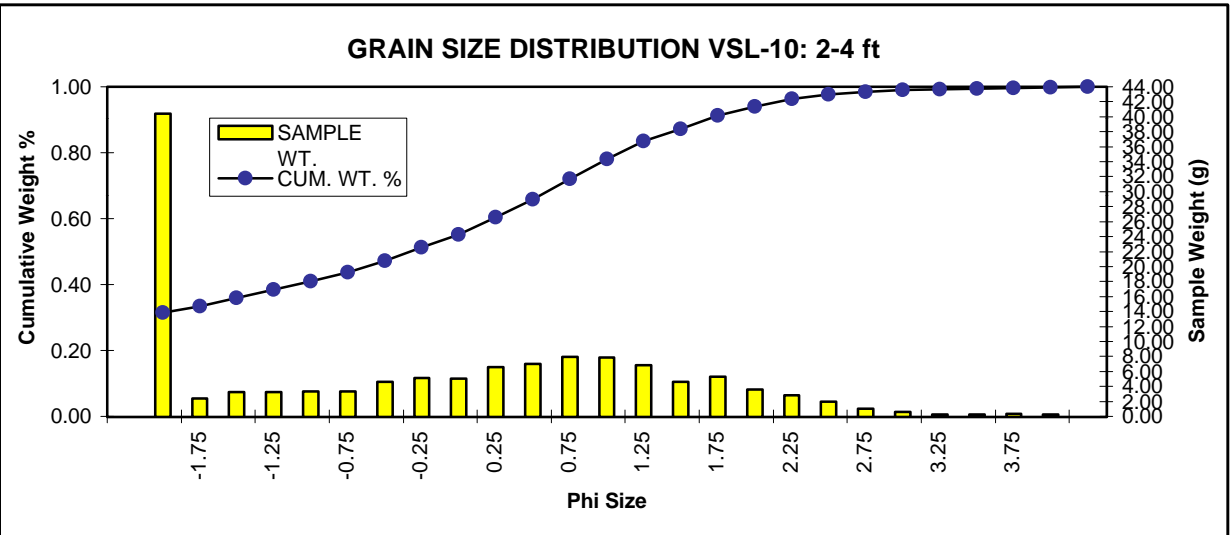


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-10: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	40.394	40.394	0.315181686	0.315181686
-1.75	2.396	42.790	0.018695235	0.333876920
-1.50	3.234	46.024	0.025233886	0.359110806
-1.25	3.258	49.282	0.025421150	0.384531956
-1.00	3.341	52.623	0.026068773	0.410600729
-0.75	3.299	55.922	0.025741060	0.436341789
-0.50	4.620	60.542	0.036048408	0.472390197
-0.25	5.152	65.694	0.040199437	0.512589633
0.00	5.034	70.728	0.039278720	0.551868353
0.25	6.599	77.327	0.051489923	0.603358276
0.50	7.001	84.328	0.054626602	0.657984878
0.75	7.950	92.278	0.062031351	0.720016230
1.00	7.866	100.144	0.061375926	0.781392155
1.25	6.868	107.012	0.053588845	0.834981000
1.50	4.623	111.635	0.036071816	0.871052816
1.75	5.257	116.892	0.041018719	0.912071535
2.00	3.612	120.504	0.028183301	0.940254836
2.25	2.807	123.311	0.021902139	0.962156974
2.50	1.939	125.250	0.015129408	0.977286382
2.75	1.014	126.264	0.007911923	0.985198305
3.00	0.585	126.849	0.004564571	0.989762876
3.25	0.278	127.127	0.002169147	0.991932023
3.50	0.291	127.418	0.002270582	0.994202605
3.75	0.354	127.772	0.002762151	0.996964755
4.00	0.214	127.986	0.001669775	0.998634530
PAN	0.175	128.161	0.001365470	1.0

<b>TOTAL WT.</b>	128.161	grams	
<b>MEDIAN WT.</b>	64.081	grams	
<b>MEAN GRAIN SIZE</b>	-0.33	phi	1.2570 mm

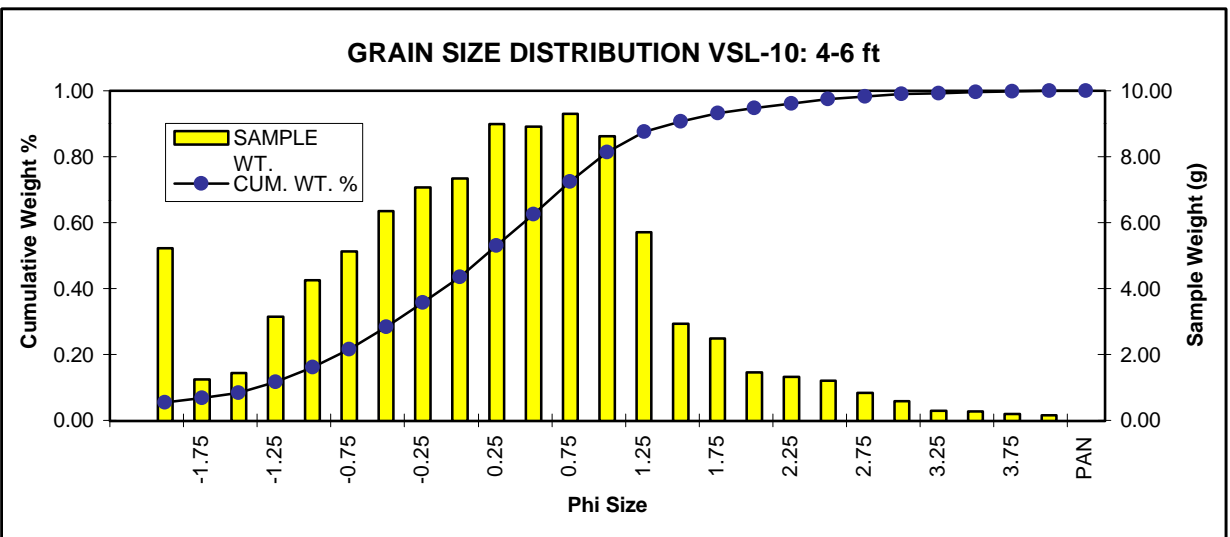


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-10: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	5.228	5.228	0.055292326	0.055292326
-1.75	1.250	6.478	0.013220239	0.068512565
-1.50	1.446	7.924	0.015293172	0.083805737
-1.25	3.154	11.078	0.033357306	0.117163043
-1.00	4.245	15.323	0.044895930	0.162058973
-0.75	5.123	20.446	0.054181826	0.216240799
-0.50	6.351	26.797	0.067169388	0.283410187
-0.25	7.060	33.857	0.074667908	0.358078095
0.00	7.344	41.201	0.077671546	0.435749640
0.25	8.985	50.186	0.095027075	0.530776715
0.50	8.905	59.091	0.094180980	0.624957695
0.75	9.304	68.395	0.098400880	0.723358575
1.00	8.622	77.017	0.091187918	0.814546493
1.25	5.702	82.719	0.060305440	0.874851933
1.50	2.934	85.653	0.031030544	0.905882477
1.75	2.488	88.141	0.026313563	0.932196040
2.00	1.463	89.604	0.015472967	0.947669008
2.25	1.325	90.929	0.014013453	0.961682460
2.50	1.199	92.128	0.012680853	0.974363313
2.75	0.833	92.961	0.008809967	0.983173280
3.00	0.590	93.551	0.006239953	0.989413233
3.25	0.293	93.844	0.003098824	0.992512057
3.50	0.276	94.120	0.002919029	0.995431086
3.75	0.191	94.311	0.002020052	0.997451138
4.00	0.154	94.465	0.001628733	0.999079871
PAN	0.087	94.552	0.000920129	1.0

<b>TOTAL WT.</b>	94.552	grams	
<b>MEDIAN WT.</b>	47.276	grams	
<b>MEAN GRAIN SIZE</b>	0.17	phi	0.8888 mm

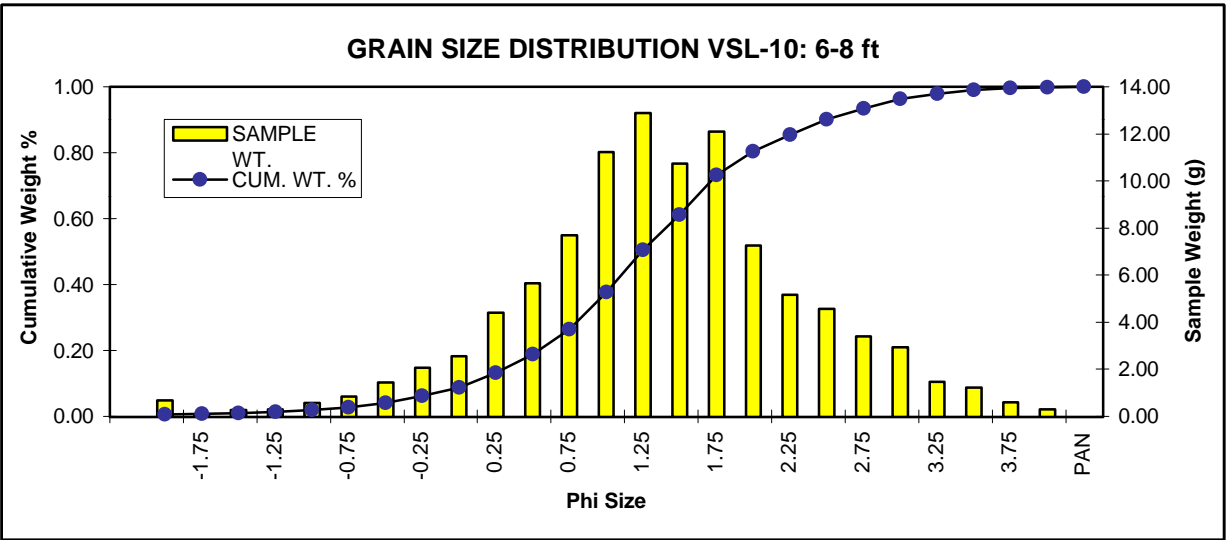


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-10: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.672	0.672	0.006687765	0.006687765
-1.75	0.074	0.746	0.000736450	0.007424215
-1.50	0.270	1.016	0.002687048	0.010111264
-1.25	0.303	1.319	0.003015465	0.013126729
-1.00	0.584	1.903	0.005811986	0.018938715
-0.75	0.838	2.741	0.008339802	0.027278518
-0.50	1.445	4.186	0.014380685	0.041659203
-0.25	2.069	6.255	0.020590753	0.062249955
0.00	2.544	8.799	0.025317967	0.087567923
0.25	4.399	13.198	0.043778985	0.131346908
0.50	5.650	18.848	0.056228976	0.187575884
0.75	7.692	26.540	0.076551024	0.264126908
1.00	11.233	37.773	0.111791167	0.375918075
1.25	12.872	50.645	0.128102546	0.504020621
1.50	10.732	61.377	0.106805199	0.610825820
1.75	12.090	73.467	0.120320057	0.731145877
2.00	7.264	80.731	0.072291555	0.803437432
2.25	5.156	85.887	0.051312673	0.854750104
2.50	4.556	90.443	0.045341454	0.900091559
2.75	3.411	93.854	0.033946378	0.934037937
3.00	2.929	96.783	0.029149499	0.963187437
3.25	1.481	98.264	0.014738958	0.977926395
3.50	1.211	99.475	0.012051910	0.989978305
3.75	0.591	100.066	0.005881650	0.995859955
4.00	0.302	100.368	0.003005513	0.998865468
PAN	0.114	100.482	0.001134532	1.0

<b>TOTAL WT.</b>	100.482	grams	
<b>MEDIAN WT.</b>	50.241	grams	
<b>MEAN GRAIN SIZE</b>	1.24	phi	0.4234 mm

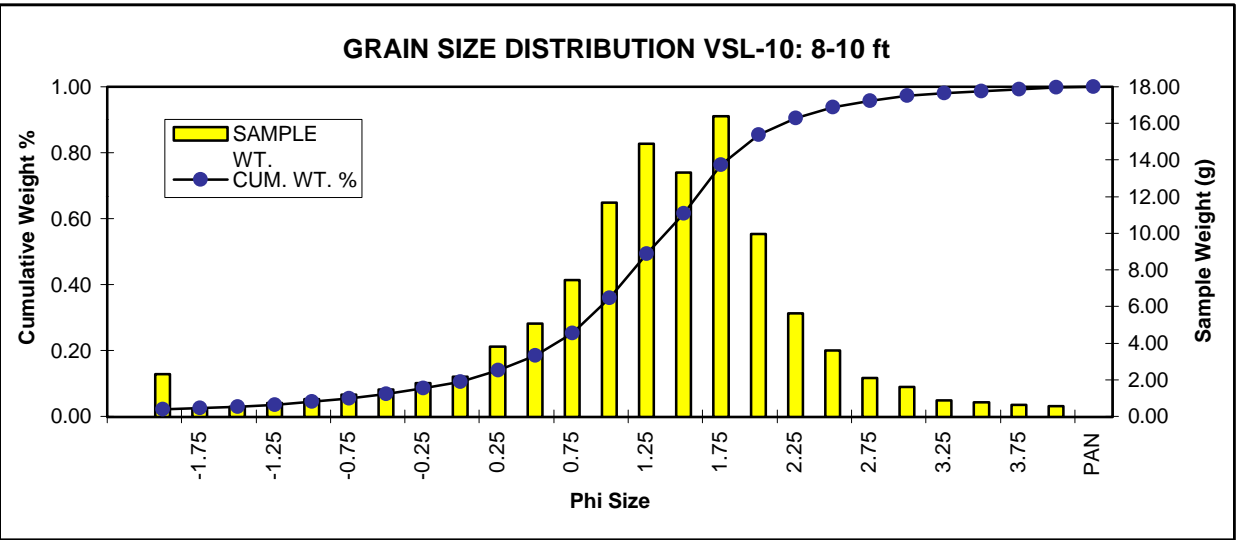


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-10: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	2.301	2.301	0.020897095	0.020897095
-1.75	0.392	2.693	0.003560044	0.024457139
-1.50	0.522	3.215	0.004740671	0.029197809
-1.25	0.737	3.952	0.006693246	0.035891055
-1.00	0.947	4.899	0.008600412	0.044491468
-0.75	1.187	6.086	0.010780031	0.055271499
-0.50	1.458	7.544	0.013241184	0.068512683
-0.25	1.800	9.344	0.016347141	0.084859823
0.00	2.171	11.515	0.019716468	0.104576291
0.25	3.794	15.309	0.034456140	0.139032431
0.50	5.059	20.368	0.045944547	0.184976978
0.75	7.443	27.811	0.067595426	0.252572404
1.00	11.691	39.502	0.106174678	0.358747082
1.25	14.884	54.386	0.135172689	0.493919772
1.50	13.308	67.694	0.120859860	0.614779631
1.75	16.403	84.097	0.148967860	0.763747491
2.00	9.962	94.059	0.090472342	0.854219833
2.25	5.624	99.683	0.051075733	0.905295565
2.50	3.612	103.295	0.032803262	0.938098828
2.75	2.112	105.407	0.019180645	0.957279473
3.00	1.612	107.019	0.014639773	0.971919245
3.25	0.873	107.892	0.007928363	0.979847608
3.50	0.769	108.661	0.006983862	0.986831470
3.75	0.620	109.281	0.005630682	0.992462152
4.00	0.574	109.855	0.005212922	0.997675073
PAN	0.256	110.111	0.002324927	1.0

<b>TOTAL WT.</b>	110.111	grams	
<b>MEDIAN WT.</b>	55.056	grams	
<b>MEAN GRAIN SIZE</b>	1.26	phi	0.4175 mm

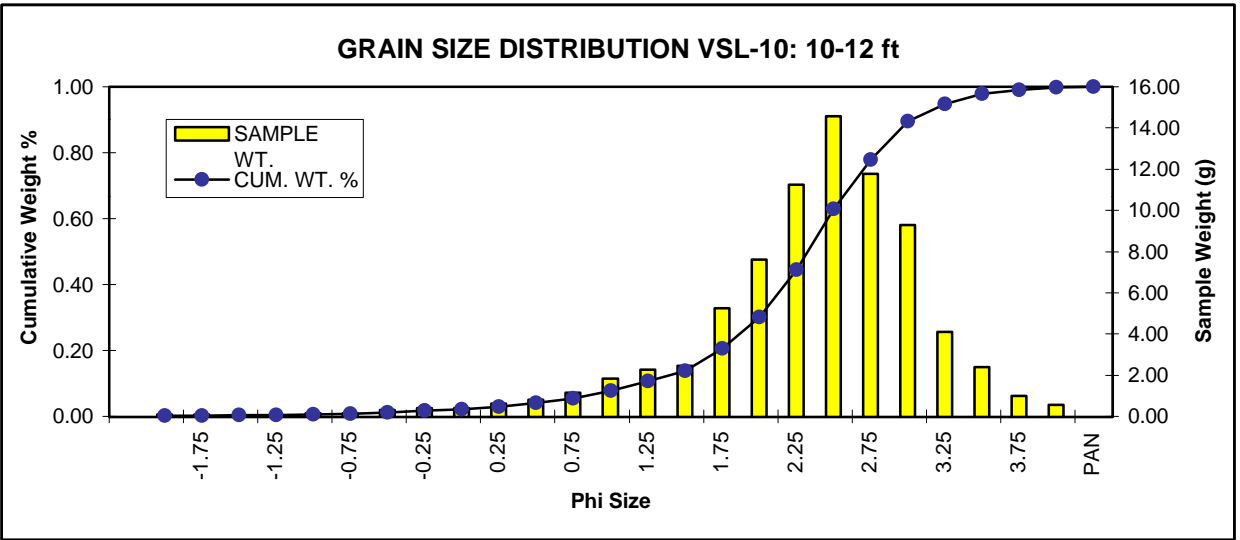


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-10: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.092	0.092	0.001167098	0.001167098
-1.75	0.096	0.188	0.001217841	0.002384939
-1.50	0.074	0.262	0.000938753	0.003323692
-1.25	0.062	0.324	0.000786523	0.004110215
-1.00	0.145	0.469	0.001839448	0.005949663
-0.75	0.159	0.628	0.002017050	0.007966712
-0.50	0.297	0.925	0.003767697	0.011734409
-0.25	0.389	1.314	0.004934795	0.016669204
0.00	0.413	1.727	0.005239255	0.021908459
0.25	0.636	2.363	0.008068199	0.029976658
0.50	0.812	3.175	0.010300908	0.040277566
0.75	1.145	4.320	0.014525296	0.054802862
1.00	1.841	6.161	0.023354646	0.078157507
1.25	2.274	8.435	0.028847618	0.107005125
1.50	2.467	10.902	0.031295986	0.138301111
1.75	5.252	16.154	0.066626072	0.204927183
2.00	7.605	23.759	0.096475872	0.301403055
2.25	11.238	34.997	0.142563556	0.443966611
2.50	14.562	49.559	0.184731314	0.628697925
2.75	11.762	61.321	0.149210940	0.777908865
3.00	9.282	70.603	0.117750038	0.895658903
3.25	4.086	74.689	0.051834374	0.947493277
3.50	2.407	77.096	0.030534835	0.978028112
3.75	0.997	78.093	0.012647790	0.990675902
4.00	0.554	78.647	0.007027960	0.997703862
PAN	0.181	78.828	0.002296138	1.0

<b>TOTAL WT.</b>	78.828	grams	
<b>MEDIAN WT.</b>	39.414	grams	
<b>MEAN GRAIN SIZE</b>	2.33	phi	0.1989 mm

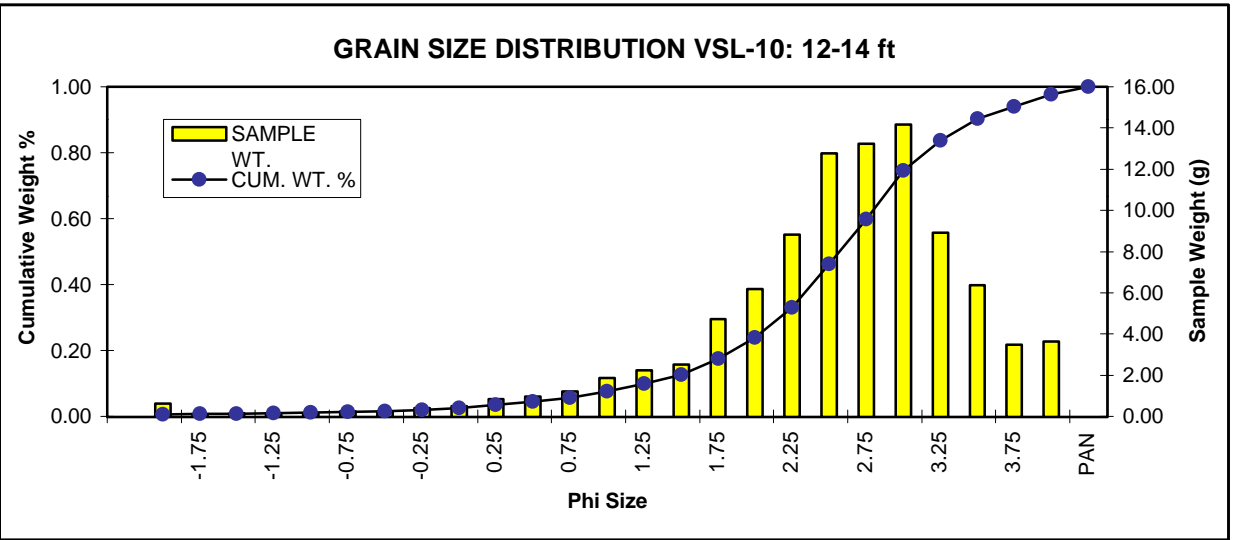


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-10: 12-14 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	0.629	0.629	0.006509702	0.006509702
-1.75	0.039	0.668	0.000403622	0.006913325
-1.50	0.166	0.834	0.001717982	0.008631307
-1.25	0.087	0.921	0.000900388	0.009531695
-1.00	0.163	1.084	0.001686934	0.011218629
-0.75	0.256	1.340	0.002649418	0.013868047
-0.50	0.225	1.565	0.002328590	0.016196636
-0.25	0.405	1.970	0.004191462	0.020388098
0.00	0.492	2.462	0.005091850	0.025479948
0.25	0.852	3.314	0.008817594	0.034297542
0.50	0.955	4.269	0.009883571	0.044181113
0.75	1.224	5.493	0.012667529	0.056848642
1.00	1.875	7.368	0.019404916	0.076253558
1.25	2.224	9.592	0.023016818	0.099270375
1.50	2.531	12.123	0.026194049	0.125464424
1.75	4.735	16.858	0.049003881	0.174468305
2.00	6.183	23.041	0.063989651	0.238457956
2.25	8.836	31.877	0.091446313	0.329904269
2.50	12.763	44.640	0.132087969	0.461992238
2.75	13.223	57.863	0.136848642	0.598840880
3.00	14.166	72.029	0.146608021	0.745448900
3.25	8.909	80.938	0.092201811	0.837650712
3.50	6.374	87.312	0.065966365	0.903617076
3.75	3.484	90.796	0.036056921	0.939673997
4.00	3.621	94.417	0.037474774	0.977148771
PAN	2.208	96.625	0.022851229	1.0

**TOTAL WT.** 96.625 grams  
**MEDIAN WT.** 48.313 grams  
**MEAN GRAIN SIZE** 2.57 phi 0.1684 mm

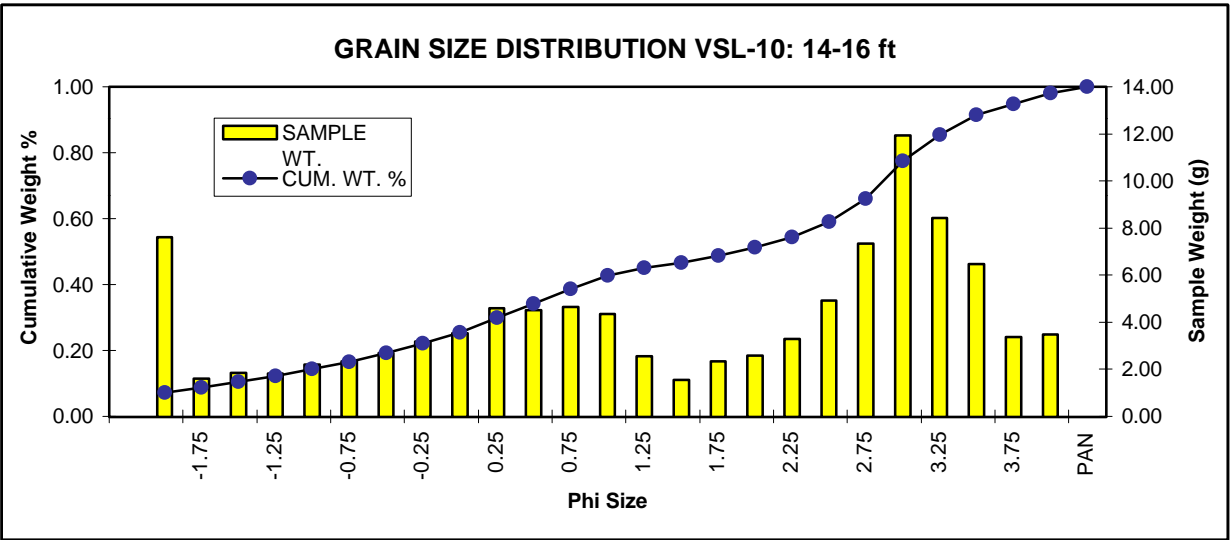


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-10: 14-16 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	7.615	7.615	0.072318563	0.072318563
-1.75	1.614	9.229	0.015327926	0.087646489
-1.50	1.847	11.076	0.017540694	0.105187183
-1.25	1.828	12.904	0.017360254	0.122547437
-1.00	2.200	15.104	0.020893084	0.143440521
-0.75	2.339	17.443	0.022213147	0.165653669
-0.50	2.699	20.142	0.025632016	0.191285684
-0.25	3.170	23.312	0.030105035	0.221390720
0.00	3.525	26.837	0.033476419	0.254867139
0.25	4.605	31.442	0.043733024	0.298600163
0.50	4.502	35.944	0.042754848	0.341355011
0.75	4.648	40.592	0.044141389	0.385496401
1.00	4.352	44.944	0.041330320	0.426826720
1.25	2.557	47.501	0.024283462	0.451110183
1.50	1.556	49.057	0.014777109	0.465887291
1.75	2.334	51.391	0.022165663	0.488052954
2.00	2.586	53.977	0.024558871	0.512611825
2.25	3.298	57.275	0.031320633	0.543932458
2.50	4.929	62.204	0.046810006	0.590742464
2.75	7.342	69.546	0.069725921	0.660468385
3.00	11.944	81.490	0.113430455	0.773898839
3.25	8.421	89.911	0.079973029	0.853871868
3.50	6.471	96.382	0.061454159	0.915326027
3.75	3.365	99.747	0.031956922	0.947282949
4.00	3.487	103.234	0.033115539	0.980398488
PAN	2.064	105.298	0.019601512	1.0

<b>TOTAL WT.</b>	105.298	grams	
<b>MEDIAN WT.</b>	52.649	grams	
<b>MEAN GRAIN SIZE</b>	1.87	phi	0.2736 mm

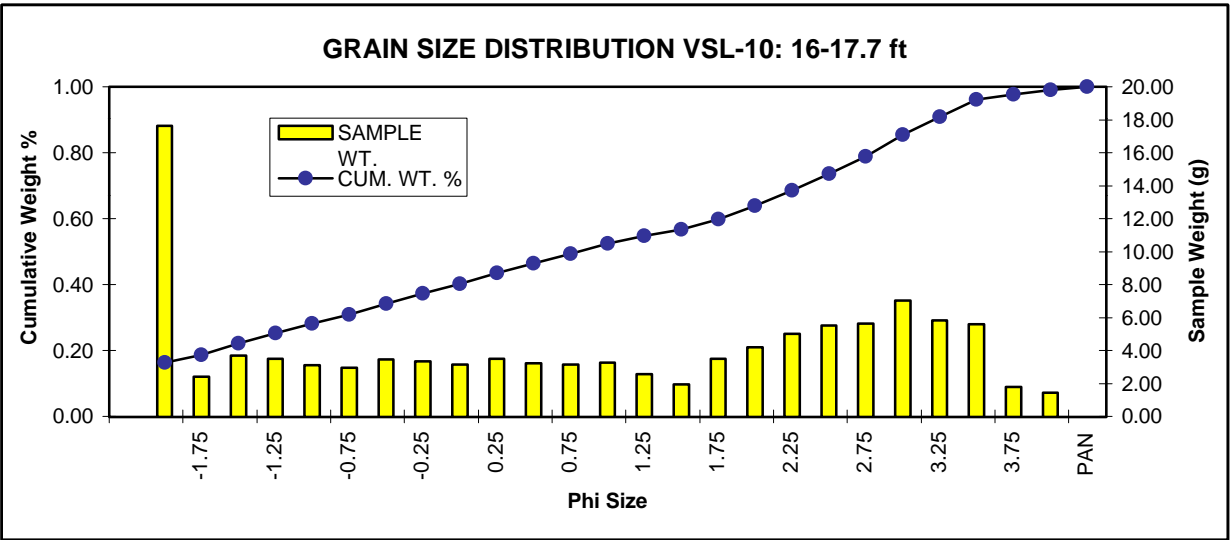


# GRAIN SIZE DISTRIBUTION CHART

**CORE VSL-10: 16-17.7 ft**

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	17.614	17.614	0.163823732	0.163823732
-1.75	2.402	20.016	0.022340445	0.186164177
-1.50	3.695	23.711	0.034366339	0.220530516
-1.25	3.511	27.222	0.032654997	0.253185513
-1.00	3.094	30.316	0.028776577	0.281962090
-0.75	2.955	33.271	0.027483770	0.309445860
-0.50	3.471	36.742	0.032282967	0.341728827
-0.25	3.341	40.083	0.031073867	0.372802694
0.00	3.163	43.246	0.029418330	0.402221023
0.25	3.505	46.751	0.032599193	0.434820216
0.50	3.227	49.978	0.030013579	0.464833795
0.75	3.146	53.124	0.029260217	0.494094012
1.00	3.262	56.386	0.030339106	0.524433118
1.25	2.558	58.944	0.023791365	0.548224483
1.50	1.961	60.905	0.018238807	0.566463290
1.75	3.496	64.401	0.032515486	0.598978776
2.00	4.196	68.597	0.039026024	0.638004799
2.25	5.019	73.616	0.046680556	0.684685355
2.50	5.520	79.136	0.051340241	0.736025596
2.75	5.639	84.775	0.052447032	0.788472628
3.00	7.047	91.822	0.065542514	0.854015142
3.25	5.823	97.645	0.054158373	0.908173515
3.50	5.602	103.247	0.052102904	0.960276419
3.75	1.787	105.034	0.016620473	0.976896892
4.00	1.423	106.457	0.013234993	0.990131885
PAN	1.061	107.518	0.009868115	1.0

<b>TOTAL WT.</b>	107.518	grams	
<b>MEDIAN WT.</b>	53.759	grams	
<b>MEAN GRAIN SIZE</b>	0.8	phi	0.5743 mm



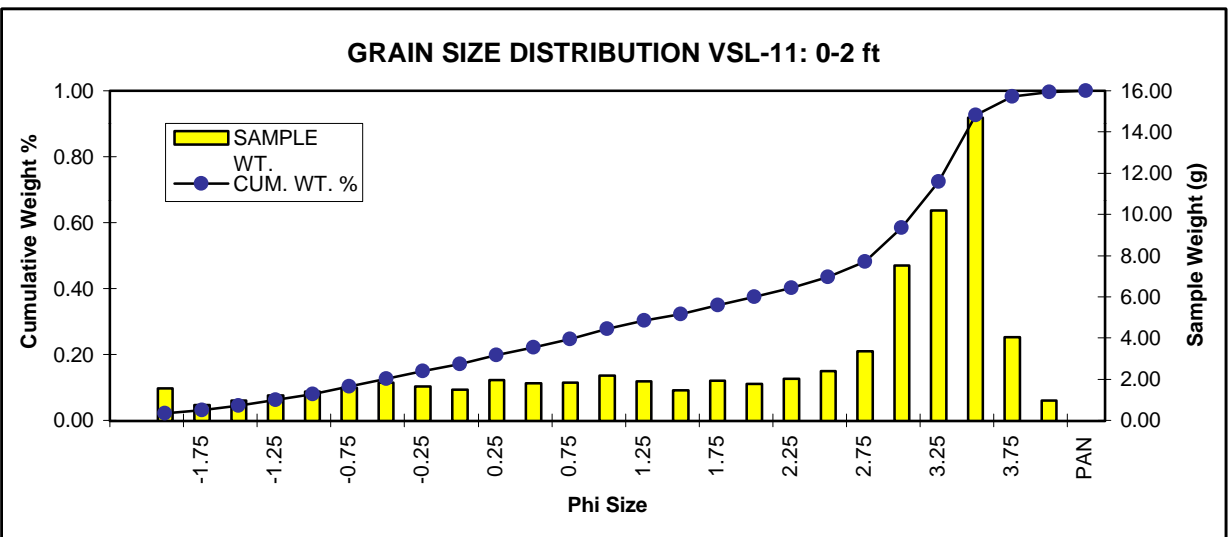


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-11: 0-2 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	1.539	1.539	0.021126761	0.021126761
-1.75	0.758	2.297	0.010405513	0.031532274
-1.50	0.949	3.246	0.013027483	0.044559756
-1.25	1.216	4.462	0.016692749	0.061252505
-1.00	1.396	5.858	0.019163715	0.080416221
-0.75	1.577	7.435	0.021648409	0.102064629
-0.50	1.829	9.264	0.025107762	0.127172391
-0.25	1.653	10.917	0.022691706	0.149864097
0.00	1.497	12.414	0.020550202	0.170414299
0.25	1.949	14.363	0.026755072	0.197169371
0.50	1.813	16.176	0.024888120	0.222057491
0.75	1.838	18.014	0.025231310	0.247288801
1.00	2.177	20.191	0.029884963	0.277173764
1.25	1.910	22.101	0.026219696	0.303393460
1.50	1.445	23.546	0.019836367	0.323229827
1.75	1.937	25.483	0.026590341	0.349820169
2.00	1.782	27.265	0.024462565	0.374282733
2.25	2.016	29.281	0.027674821	0.401957554
2.50	2.398	31.679	0.032918760	0.434876314
2.75	3.367	35.046	0.046220795	0.481097109
3.00	7.520	42.566	0.103231475	0.584328584
3.25	10.202	52.768	0.140048870	0.724377454
3.50	14.710	67.478	0.201932845	0.926310298
3.75	4.048	71.526	0.055569283	0.981879582
4.00	0.970	72.496	0.013315762	0.995195344
PAN	0.350	72.846	0.004804656	1.0

<b>TOTAL WT.</b>	72.846	grams	
<b>MEDIAN WT.</b>	36.423	grams	
<b>MEAN GRAIN SIZE</b>	2.8	phi	0.1436 mm

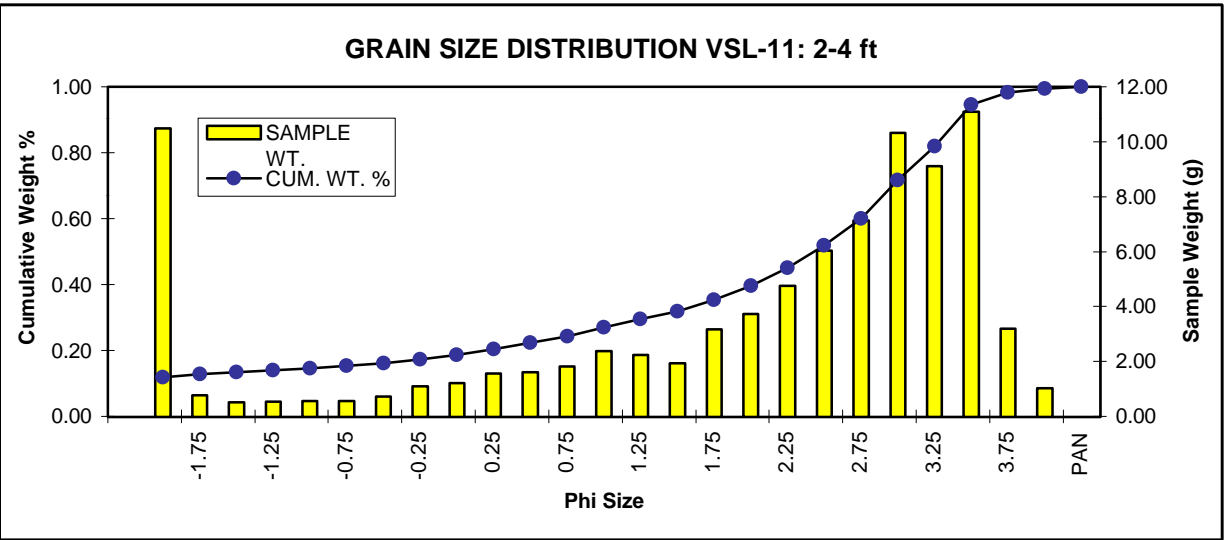


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-11: 2-4 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	10.495	10.495	0.119181458	0.119181458
-1.75	0.760	11.255	0.008630577	0.127812035
-1.50	0.523	11.778	0.005939200	0.133751235
-1.25	0.526	12.304	0.005973268	0.139724503
-1.00	0.567	12.871	0.006438865	0.146163368
-0.75	0.557	13.428	0.006325305	0.152488672
-0.50	0.717	14.145	0.008142268	0.160630941
-0.25	1.084	15.229	0.012309929	0.172940869
0.00	1.211	16.440	0.013752143	0.186693013
0.25	1.557	17.997	0.017681327	0.204374340
0.50	1.612	19.609	0.018305909	0.222680248
0.75	1.809	21.418	0.020543045	0.243223293
1.00	2.370	23.788	0.026913774	0.270137067
1.25	2.240	26.028	0.025437491	0.295574558
1.50	1.931	27.959	0.021928480	0.317503038
1.75	3.161	31.120	0.035896388	0.353399425
2.00	3.739	34.859	0.042460169	0.395859594
2.25	4.747	39.606	0.053907040	0.449766634
2.50	6.037	45.643	0.068556309	0.518322943
2.75	7.132	52.775	0.080991154	0.599314096
3.00	10.324	63.099	0.117239578	0.716553674
3.25	9.111	72.210	0.103464723	0.820018397
3.50	11.085	83.295	0.125881511	0.945899908
3.75	3.184	86.479	0.036157576	0.982057484
4.00	1.017	87.496	0.011549075	0.993606559
PAN	0.563	88.059	0.006393441	1.0

<b>TOTAL WT.</b>	88.059	grams	
<b>MEDIAN WT.</b>	44.030	grams	
<b>MEAN GRAIN SIZE</b>	2.43	phi	0.1856 mm

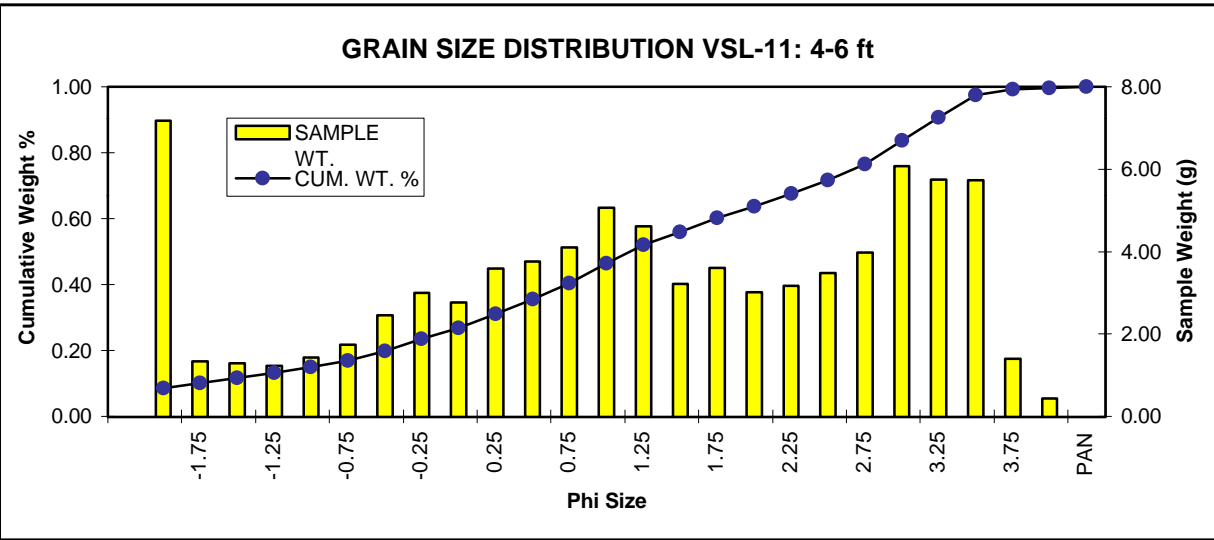


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-11: 4-6 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	7.170	7.170	0.085703016	0.085703016
-1.75	1.342	8.512	0.016040927	0.101743943
-1.50	1.285	9.797	0.015359606	0.117103549
-1.25	1.221	11.018	0.014594614	0.131698163
-1.00	1.433	12.451	0.017128650	0.148826813
-0.75	1.735	14.186	0.020738456	0.169565269
-0.50	2.449	16.635	0.029272899	0.198838168
-0.25	2.993	19.628	0.035775331	0.234613500
0.00	2.767	22.395	0.033073953	0.267687453
0.25	3.582	25.977	0.042815649	0.310503102
0.50	3.763	29.740	0.044979142	0.355482244
0.75	4.100	33.840	0.049007303	0.404489547
1.00	5.058	38.898	0.060458278	0.464947825
1.25	4.615	43.513	0.055163099	0.520110924
1.50	3.216	46.729	0.038440851	0.558551774
1.75	3.608	50.337	0.043126427	0.601678201
2.00	3.017	53.354	0.036062203	0.637740405
2.25	3.175	56.529	0.037950778	0.675691182
2.50	3.483	60.012	0.041632302	0.717323484
2.75	3.975	63.987	0.047513178	0.764836662
3.00	6.068	70.055	0.072530809	0.837367471
3.25	5.752	75.807	0.068753661	0.906121132
3.50	5.731	81.538	0.068502648	0.974623779
3.75	1.400	82.938	0.016734201	0.991357980
4.00	0.436	83.374	0.005211508	0.996569489
PAN	0.287	83.661	0.003430511	1.0

**TOTAL WT.** 83.661 grams  
**MEDIAN WT.** 41.831 grams  
**MEAN GRAIN SIZE** 1.16 phi 0.4475 mm

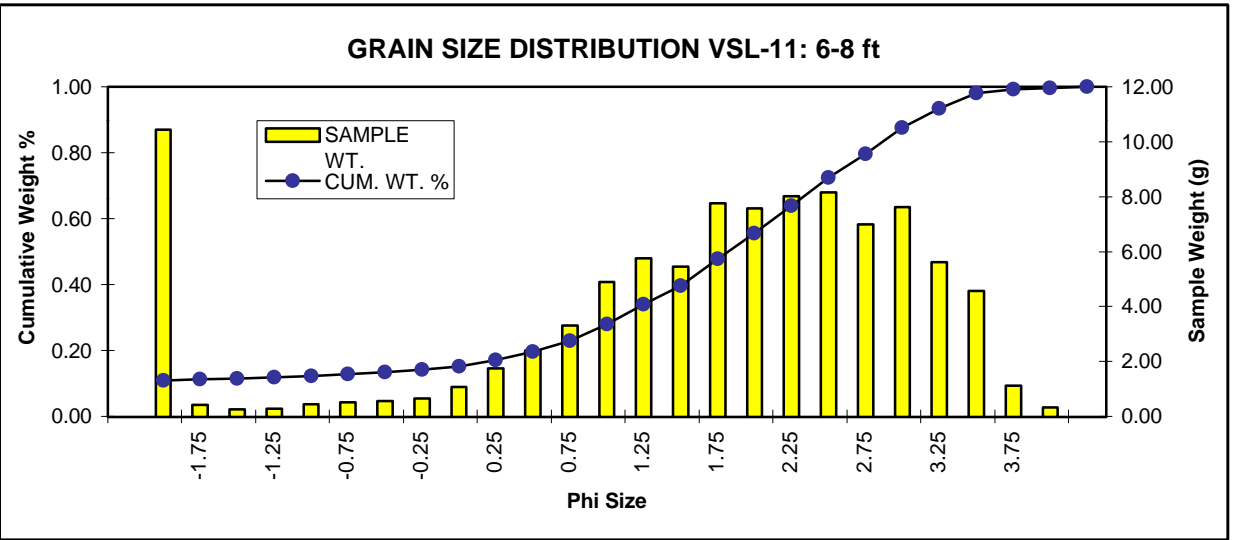


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-11: 6-8 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	10.440	10.440	0.108325724	0.108325724
-1.75	0.410	10.850	0.004254171	0.112579895
-1.50	0.252	11.102	0.002614759	0.115194654
-1.25	0.286	11.388	0.002967544	0.118162198
-1.00	0.449	11.837	0.004658836	0.122821034
-0.75	0.520	12.357	0.005395534	0.128216568
-0.50	0.559	12.916	0.005800199	0.134016768
-0.25	0.660	13.576	0.006848178	0.140864946
0.00	1.073	14.649	0.011133477	0.151998423
0.25	1.755	16.404	0.018209928	0.170208351
0.50	2.407	18.811	0.024975098	0.195183448
0.75	3.311	22.122	0.034355026	0.229538474
1.00	4.898	27.020	0.050821781	0.280360256
1.25	5.766	32.786	0.059828173	0.340188429
1.50	5.450	38.236	0.056549348	0.396737777
1.75	7.756	45.992	0.080476467	0.477214244
2.00	7.577	53.569	0.078619158	0.555833403
2.25	8.023	61.592	0.083246866	0.639080269
2.50	8.158	69.750	0.084647630	0.723727899
2.75	7.000	76.750	0.072632191	0.796360090
3.00	7.623	84.373	0.079096456	0.875456545
3.25	5.627	90.000	0.058385905	0.933842450
3.50	4.561	94.561	0.047325060	0.981167511
3.75	1.109	95.670	0.011507014	0.992674525
4.00	0.324	95.994	0.003361833	0.996036358
PAN	0.382	96.376	0.003963642	1.0

<b>TOTAL WT.</b>	96.376	grams	
<b>MEDIAN WT.</b>	48.188	grams	
<b>MEAN GRAIN SIZE</b>	1.82	phi	0.2832 mm

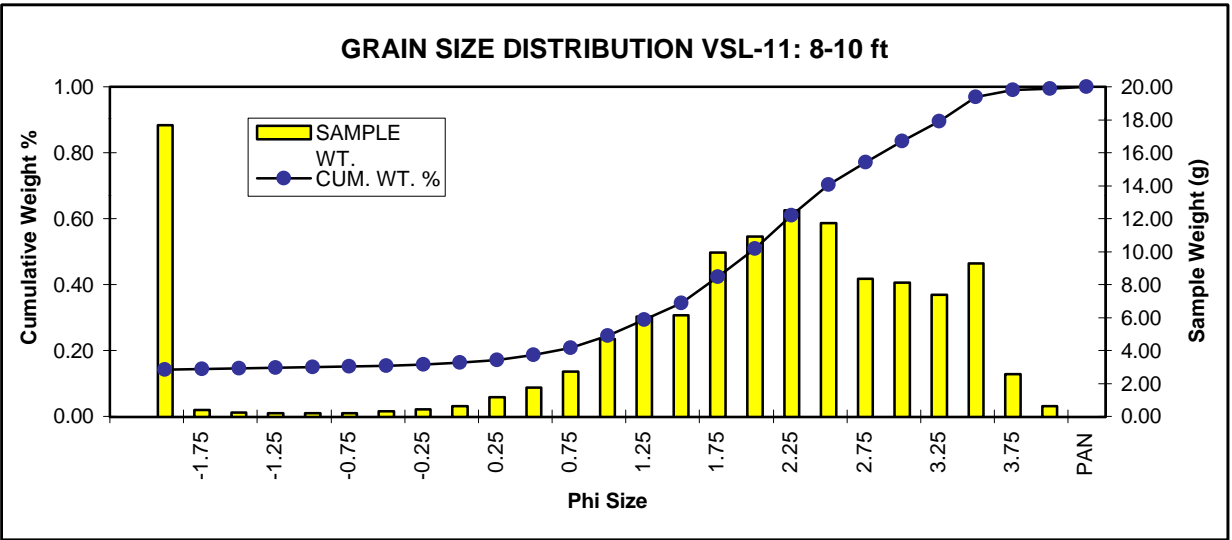


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-11: 8-10 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	17.679	17.679	0.141467084	0.141467084
-1.75	0.398	18.077	0.003184790	0.144651874
-1.50	0.241	18.318	0.001928478	0.146580352
-1.25	0.209	18.527	0.001672415	0.148252767
-1.00	0.204	18.731	0.001632405	0.149885172
-0.75	0.190	18.921	0.001520377	0.151405549
-0.50	0.308	19.229	0.002464611	0.153870160
-0.25	0.418	19.647	0.003344830	0.157214989
0.00	0.634	20.281	0.005073258	0.162288247
0.25	1.157	21.438	0.009258296	0.171546544
0.50	1.763	23.201	0.014107499	0.185654042
0.75	2.732	25.933	0.021861422	0.207515464
1.00	4.713	30.646	0.037713353	0.245228817
1.25	6.075	36.721	0.048612056	0.293840873
1.50	6.136	42.857	0.049100177	0.342941049
1.75	9.939	52.796	0.079531724	0.422472773
2.00	10.894	63.690	0.087173619	0.509646392
2.25	12.487	76.177	0.099920780	0.609567173
2.50	11.745	87.922	0.093983308	0.703550481
2.75	8.361	96.283	0.066904592	0.770455073
3.00	8.122	104.405	0.064992118	0.835447191
3.25	7.383	111.788	0.059078652	0.894525842
3.50	9.278	121.066	0.074242412	0.968768255
3.75	2.579	123.645	0.020637118	0.989405373
4.00	0.606	124.251	0.004849203	0.994254575
PAN	0.718	124.969	0.005745425	1.0

<b>TOTAL WT.</b>	124.969	grams	
<b>MEDIAN WT.</b>	62.485	grams	
<b>MEAN GRAIN SIZE</b>	1.97	phi	0.2553 mm

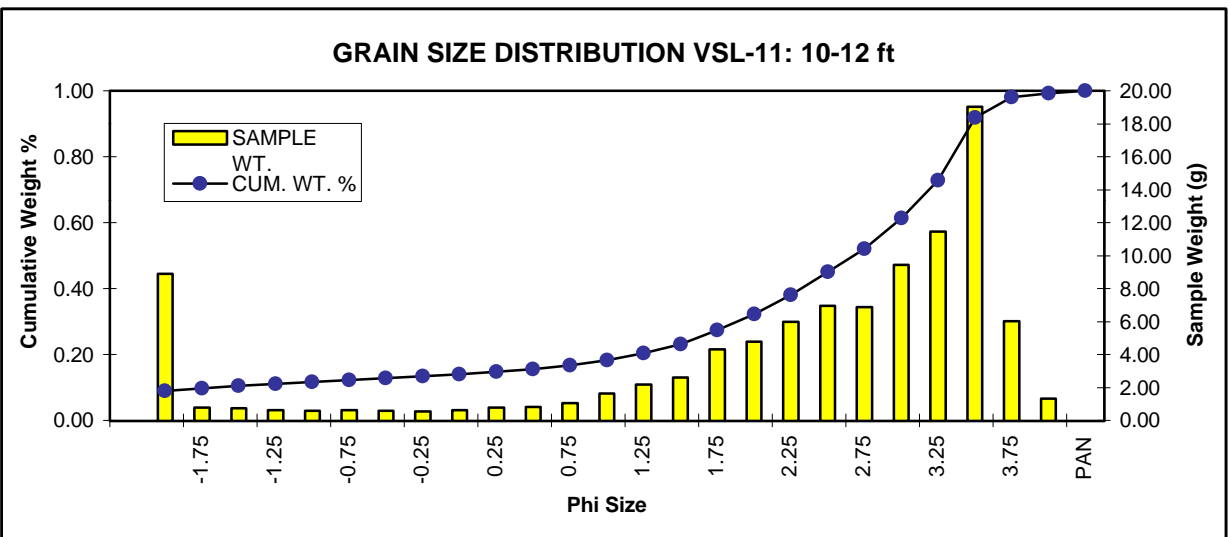


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-11: 10-12 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	8.898	8.898	0.089066394	0.089066394
-1.75	0.794	9.692	0.007947709	0.097014104
-1.50	0.721	10.413	0.007217000	0.104231104
-1.25	0.631	11.044	0.006316127	0.110547231
-1.00	0.578	11.622	0.005785612	0.116332843
-0.75	0.616	12.238	0.006165981	0.122498824
-0.50	0.582	12.820	0.005825651	0.128324475
-0.25	0.558	13.378	0.005585418	0.133909893
0.00	0.621	13.999	0.006216030	0.140125922
0.25	0.771	14.770	0.007717486	0.147843408
0.50	0.803	15.573	0.008037797	0.155881205
0.75	1.038	16.611	0.010390078	0.166271283
1.00	1.649	18.260	0.016506011	0.182777294
1.25	2.158	20.418	0.021600953	0.204378247
1.50	2.615	23.033	0.026175390	0.230553637
1.75	4.308	27.341	0.043121828	0.273675465
2.00	4.789	32.130	0.047936498	0.321611964
2.25	5.962	38.092	0.059677888	0.381289851
2.50	6.934	45.026	0.069407325	0.450697176
2.75	6.882	51.908	0.068886820	0.519583996
3.00	9.452	61.360	0.094611773	0.614195770
3.25	11.468	72.828	0.114791348	0.728987118
3.50	19.015	91.843	0.190334625	0.919321742
3.75	6.029	97.872	0.060348538	0.979670280
4.00	1.328	99.200	0.013292894	0.992963174
PAN	0.703	99.903	0.007036826	1.0

<b>TOTAL WT.</b>	99.903	grams	
<b>MEDIAN WT.</b>	49.952	grams	
<b>MEAN GRAIN SIZE</b>	2.68	phi	0.1560 mm

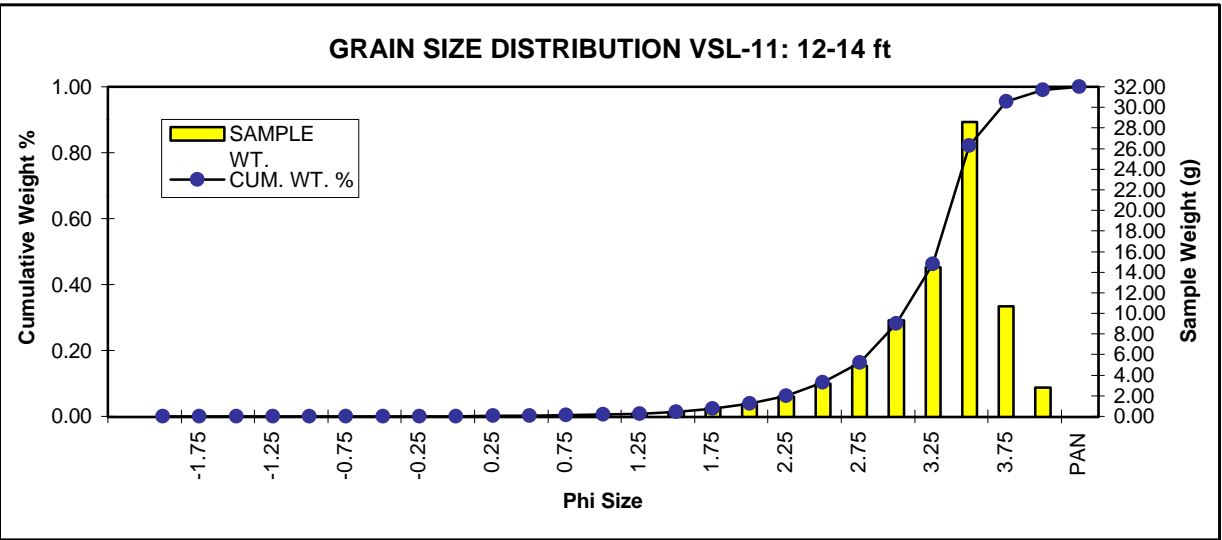


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-11: 12-14 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	0.011	0.011	0.000137945	0.000137945
-1.25	0.000	0.011	0.000000000	0.000137945
-1.00	0.000	0.011	0.000000000	0.000137945
-0.75	0.004	0.015	0.000050162	0.000188107
-0.50	0.015	0.030	0.000188107	0.000376213
-0.25	0.017	0.047	0.000213188	0.000589401
0.00	0.027	0.074	0.000338592	0.000927993
0.25	0.029	0.103	0.000363673	0.001291666
0.50	0.053	0.156	0.000664643	0.001956309
0.75	0.085	0.241	0.001065938	0.003022247
1.00	0.166	0.407	0.002081714	0.005103960
1.25	0.279	0.686	0.003498784	0.008602744
1.50	0.406	1.092	0.005091420	0.013694164
1.75	0.832	1.924	0.010433649	0.024127812
2.00	1.156	3.080	0.014496752	0.038624564
2.25	1.900	4.980	0.023826842	0.062451406
2.50	3.172	8.152	0.039778285	0.102229691
2.75	4.912	13.064	0.061598656	0.163828346
3.00	9.324	22.388	0.116927090	0.280755436
3.25	14.495	36.883	0.181773720	0.462529157
3.50	28.584	65.467	0.358456021	0.820985177
3.75	10.665	76.132	0.133743824	0.954729001
4.00	2.772	78.904	0.034762108	0.989491109
PAN	0.838	79.742	0.010508891	1.0

**TOTAL WT.** 79.742 grams  
**MEDIAN WT.** 39.871 grams  
**MEAN GRAIN SIZE** 3.28 phi 0.1029 mm

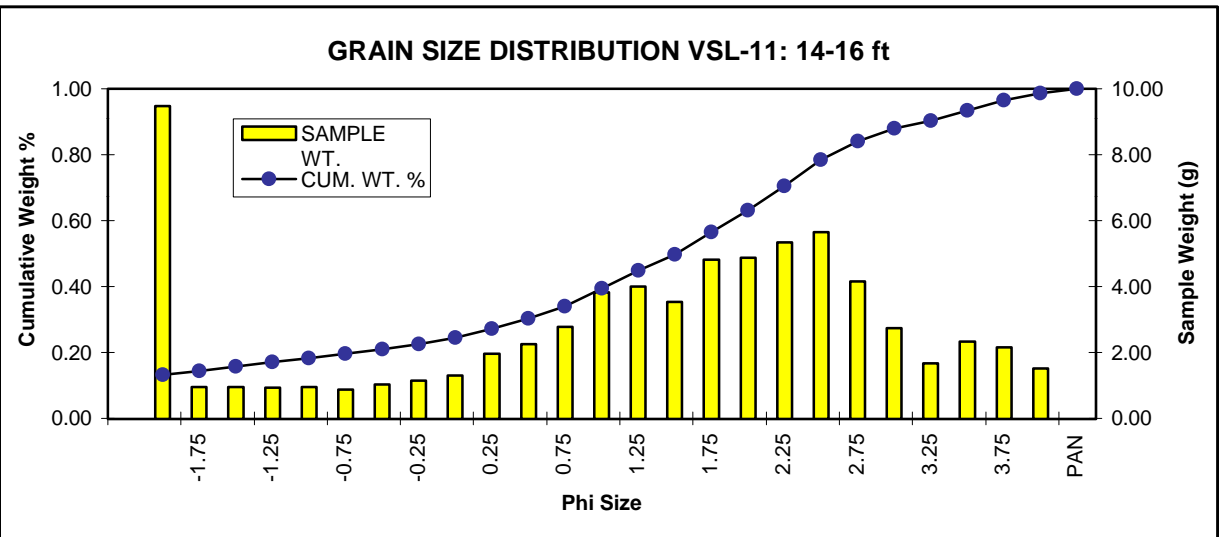


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-11: 14-16 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	9.473	9.473	0.131181366	0.131181366
-1.75	0.954	10.427	0.013210918	0.144392284
-1.50	0.948	11.375	0.013127830	0.157520114
-1.25	0.930	12.305	0.012878568	0.170398682
-1.00	0.945	13.250	0.013086286	0.183484968
-0.75	0.883	14.133	0.012227715	0.195712683
-0.50	1.022	15.155	0.014152576	0.209865260
-0.25	1.153	16.308	0.015966654	0.225831914
0.00	1.308	17.616	0.018113082	0.243944996
0.25	1.965	19.581	0.027211167	0.271156163
0.50	2.244	21.825	0.031074737	0.302230900
0.75	2.776	24.601	0.038441832	0.340672732
1.00	3.822	28.423	0.052926758	0.393599490
1.25	3.991	32.414	0.055267057	0.448866548
1.50	3.528	35.942	0.048855469	0.497722017
1.75	4.810	40.752	0.066608505	0.564330522
2.00	4.870	45.622	0.067439381	0.631769903
2.25	5.341	50.963	0.073961752	0.705731655
2.50	5.652	56.615	0.078268456	0.784000111
2.75	4.147	60.762	0.057427333	0.841427444
3.00	2.735	63.497	0.037874067	0.879301511
3.25	1.677	65.174	0.023222965	0.902524476
3.50	2.334	67.508	0.032321050	0.934845526
3.75	2.159	69.667	0.029897664	0.964743190
4.00	1.514	71.181	0.020965754	0.985708944
PAN	1.032	72.213	0.014291056	1.0

**TOTAL WT.** 72.213 grams  
**MEDIAN WT.** 36.107 grams  
**MEAN GRAIN SIZE** 1.51 phi 0.3511 mm



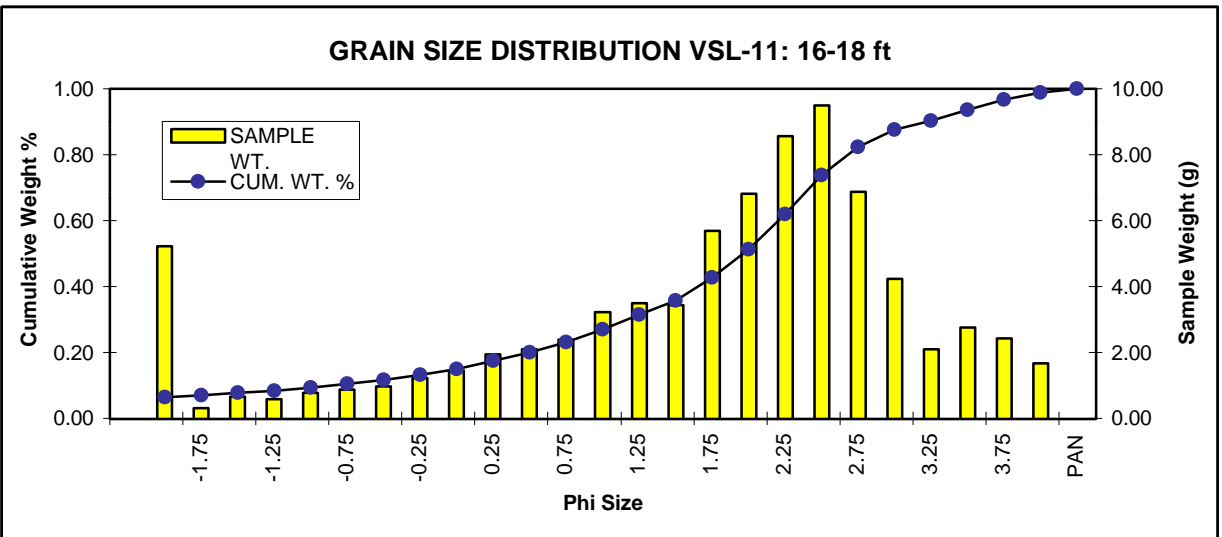


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-11: 16-18 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	5.219	5.219	0.065029406	0.065029406
-1.75	0.317	5.536	0.003949860	0.068979266
-1.50	0.656	6.192	0.008173844	0.077153110
-1.25	0.586	6.778	0.007301635	0.084454745
-1.00	0.778	7.556	0.009693979	0.094148724
-0.75	0.868	8.424	0.010815391	0.104964115
-0.50	0.965	9.389	0.012024023	0.116988138
-0.25	1.215	10.604	0.015139055	0.132127193
0.00	1.462	12.066	0.018216707	0.150343900
0.25	1.935	14.001	0.024110347	0.174454246
0.50	2.092	16.093	0.026066587	0.200520833
0.75	2.380	18.473	0.029655104	0.230175937
1.00	3.225	21.698	0.040183911	0.270359848
1.25	3.499	25.197	0.043597986	0.313957835
1.50	3.428	28.625	0.042713317	0.356671152
1.75	5.689	34.314	0.070885666	0.427556818
2.00	6.814	41.128	0.084903309	0.512460128
2.25	8.560	49.688	0.106658692	0.619118820
2.50	9.497	59.185	0.118333832	0.737452652
2.75	6.873	66.058	0.085638457	0.823091108
3.00	4.242	70.300	0.052855861	0.875946970
3.25	2.100	72.400	0.026166268	0.902113238
3.50	2.757	75.157	0.034352572	0.936465809
3.75	2.431	77.588	0.030290570	0.966756380
4.00	1.669	79.257	0.020795953	0.987552333
PAN	0.999	80.256	0.012447667	1.0

**TOTAL WT.** 80.256 grams  
**MEDIAN WT.** 40.128 grams  
**MEAN GRAIN SIZE** 1.96 phi 0.2570 mm

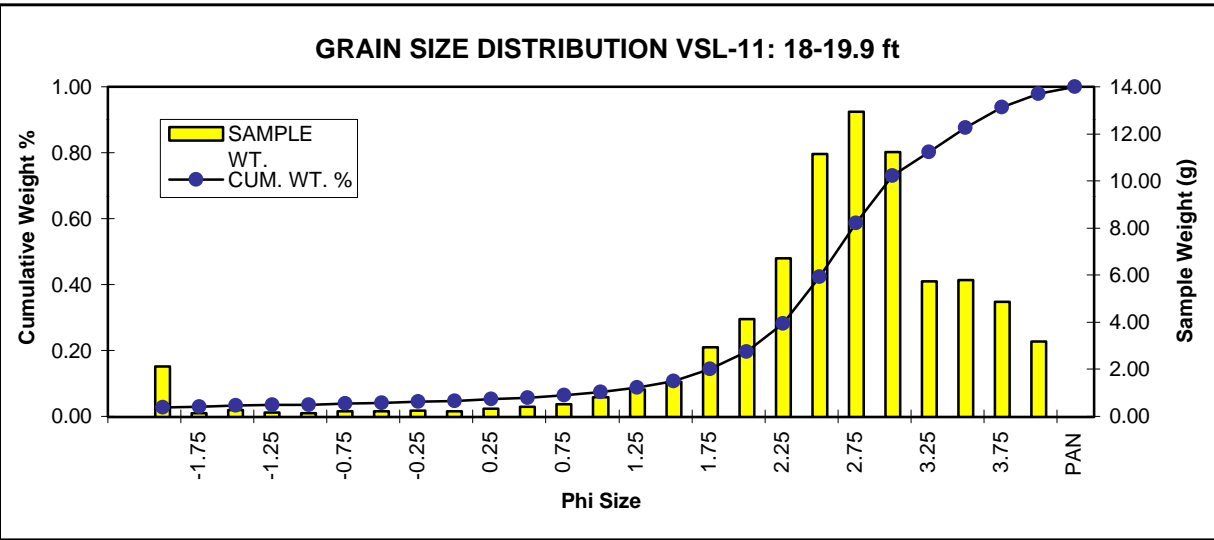


# GRAIN SIZE DISTRIBUTION CHART

## CORE VSL-11: 18-19.9 ft

PHI SIZE	SAMPLE WT.	CUM. WT.	WT. %	CUM. WT. %
<-2.00	2.109	2.109	0.026750720	0.026750720
-1.75	0.143	2.252	0.001813823	0.028564543
-1.50	0.274	2.526	0.003475437	0.032039980
-1.25	0.162	2.688	0.002054821	0.034094801
-1.00	0.138	2.826	0.001750403	0.035845204
-0.75	0.231	3.057	0.002930022	0.038775225
-0.50	0.206	3.263	0.002612920	0.041388145
-0.25	0.246	3.509	0.003120283	0.044508429
0.00	0.223	3.732	0.002828549	0.047336978
0.25	0.331	4.063	0.004198430	0.051535408
0.50	0.412	4.475	0.005225840	0.056761248
0.75	0.505	4.980	0.006405459	0.063166707
1.00	0.820	5.800	0.010400944	0.073567651
1.25	1.138	6.938	0.014434480	0.088002131
1.50	1.467	8.405	0.018607542	0.106609673
1.75	2.937	11.342	0.037253136	0.143862809
2.00	4.126	15.468	0.052334504	0.196197314
2.25	6.711	22.179	0.085122845	0.281320159
2.50	11.156	33.335	0.141503571	0.422823729
2.75	12.946	46.281	0.164208070	0.587031799
3.00	11.228	57.509	0.142416824	0.729448623
3.25	5.728	63.237	0.072654397	0.802103020
3.50	5.801	69.038	0.073580335	0.875683355
3.75	4.863	73.901	0.061682670	0.937366024
4.00	3.192	77.093	0.040487576	0.977853600
PAN	1.746	78.839	0.022146400	1.0

**TOTAL WT.** 78.839 grams  
**MEDIAN WT.** 39.420 grams  
**MEAN GRAIN SIZE** 2.62 phi 0.1627 mm

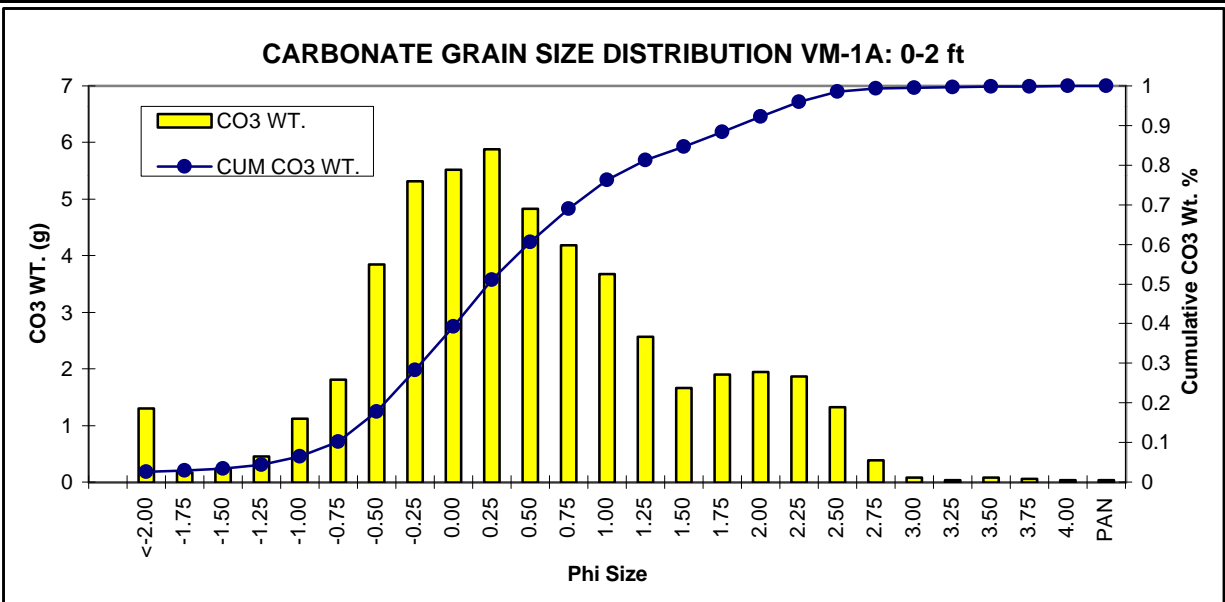


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-1A : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.303	0.000	1.303	1.303	0.025894791	0.025894791
-1.75	0.174	0.000	0.174	1.477	0.003457938	0.029352730
-1.50	0.239	0.000	0.239	1.716	0.004749697	0.034102427
-1.25	0.451	0.000	0.451	2.167	0.008962817	0.043065244
-1.00	1.124	0.000	1.124	3.291	0.022337487	0.065402731
-0.75	1.810	0.000	1.810	5.101	0.035970508	0.101373239
-0.50	3.840	0.000	3.840	8.941	0.076313122	0.177686361
-0.25	5.317	0.000	5.317	14.258	0.105665852	0.283352213
0.00	5.584	0.061	5.523	19.781	0.109759733	0.393111946
0.25	6.085	0.203	5.882	25.663	0.116894215	0.510006161
0.50	5.241	0.408	4.833	30.496	0.096047219	0.606053379
0.75	4.879	0.693	4.186	34.682	0.083189253	0.689242632
1.00	4.636	0.962	3.674	38.356	0.073014170	0.762256802
1.25	3.391	0.829	2.562	40.918	0.050915161	0.813171963
1.50	2.094	0.427	1.667	42.585	0.033128639	0.846300602
1.75	2.871	0.969	1.902	44.487	0.037798843	0.884099446
2.00	3.227	1.281	1.946	46.433	0.038673265	0.922772710
2.25	2.791	0.921	1.870	48.303	0.037162901	0.959935611
2.50	1.778	0.453	1.325	49.628	0.026332002	0.986267613
2.75	0.559	0.176	0.383	50.011	0.007611439	0.993879052
3.00	0.196	0.112	0.084	50.095	0.001669350	0.995548401
3.25	0.031	0.000	0.031	50.126	0.000616069	0.996164471
3.50	0.079	0.000	0.079	50.205	0.001569984	0.997734454
3.75	0.051	0.000	0.051	50.256	0.001013534	0.998747988
4.00	0.032	0.000	0.032	50.288	0.000635943	0.999383931
PAN	0.032	0.001	0.031	50.319	0.000616069	1.0

TOTAL WT.	57.815	grams
CO3 WT	50.319	grams
% CARBONATE	87.035	



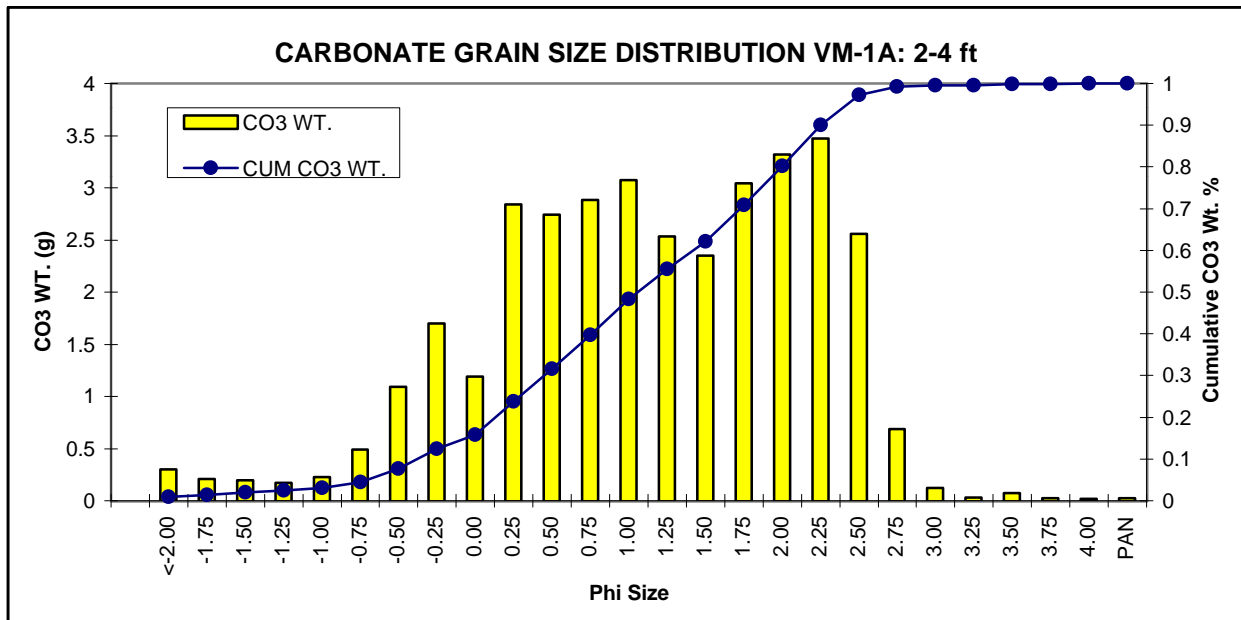
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-1A : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.303	0.000	0.303	0.303	0.008567551	0.008567551
-1.75	0.209	0.000	0.209	0.512	0.005909631	0.014477181
-1.50	0.199	0.000	0.199	0.711	0.005626873	0.020104055
-1.25	0.170	0.000	0.170	0.881	0.004806877	0.024910931
-1.00	0.224	0.000	0.224	1.105	0.006333767	0.031244698
-0.75	0.492	0.000	0.492	1.597	0.013911667	0.045156365
-0.50	1.090	0.000	1.090	2.687	0.030820562	0.075976927
-0.25	1.705	0.005	1.700	4.387	0.048068767	0.124045694
0.00	1.196	0.007	1.189	5.576	0.033619861	0.157665554
0.25	2.928	0.086	2.842	8.418	0.080359667	0.238025222
0.50	2.900	0.159	2.741	11.159	0.077503817	0.315529039
0.75	3.234	0.352	2.882	14.041	0.081490697	0.397019736
1.00	3.692	0.620	3.072	17.113	0.086863089	0.483882825
1.25	3.235	0.701	2.534	19.647	0.071650738	0.555533563
1.50	2.769	0.422	2.347	21.994	0.066363174	0.621896737
1.75	4.403	1.358	3.045	25.039	0.086099644	0.707996381
2.00	5.642	2.323	3.319	28.358	0.093847198	0.801843579
2.25	5.274	1.802	3.472	31.830	0.098173387	0.900016965
2.50	3.348	0.789	2.559	34.389	0.072357632	0.972374597
2.75	0.940	0.254	0.686	35.075	0.019397161	0.991771758
3.00	0.241	0.119	0.122	35.197	0.003449641	0.995221399
3.25	0.030	0.000	0.030	35.227	0.000848272	0.996069671
3.50	0.074	0.000	0.074	35.301	0.002092405	0.998162077
3.75	0.022	0.000	0.022	35.323	0.000622066	0.998784143
4.00	0.016	0.000	0.016	35.339	0.000452412	0.999236555
PAN	0.027	0.000	0.027	35.366	0.000763445	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

44.363 grams  
35.366 grams  
79.720



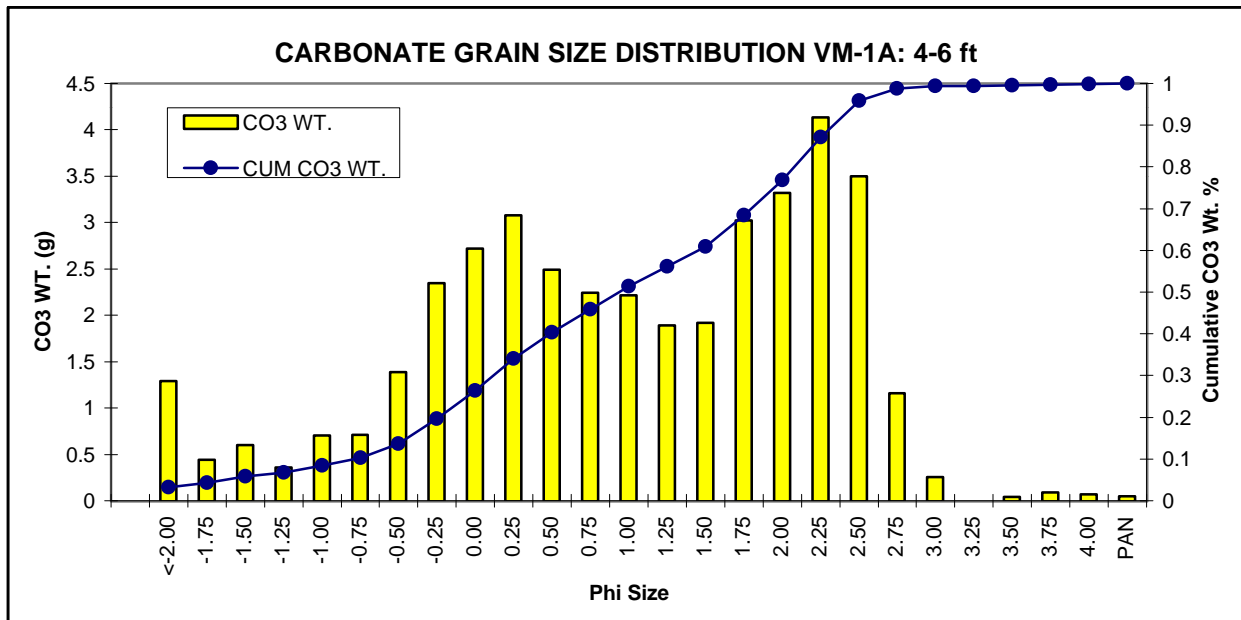
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-1A : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.288	0.000	1.288	1.288	0.032175064	0.032175064
-1.75	0.440	0.000	0.440	1.728	0.010991482	0.043166546
-1.50	0.601	0.000	0.601	2.329	0.015013365	0.058179911
-1.25	0.358	0.000	0.358	2.687	0.008943069	0.067122980
-1.00	0.702	0.000	0.702	3.389	0.017536409	0.084659389
-0.75	0.709	0.000	0.709	4.098	0.017711274	0.102370663
-0.50	1.390	0.001	1.389	5.487	0.034698109	0.137068772
-0.25	2.350	0.004	2.346	7.833	0.058604581	0.195673353
0.00	2.758	0.039	2.719	10.552	0.067922360	0.263595713
0.25	3.155	0.077	3.078	13.630	0.076890410	0.340486123
0.50	2.657	0.166	2.491	16.121	0.062226774	0.402712898
0.75	2.484	0.239	2.245	18.366	0.056081537	0.458794434
1.00	2.534	0.319	2.215	20.581	0.055332118	0.514126552
1.25	2.260	0.371	1.889	22.470	0.047188429	0.561314981
1.50	2.211	0.291	1.920	24.390	0.047962829	0.609277810
1.75	4.150	1.129	3.021	27.411	0.075466513	0.684744323
2.00	5.764	2.444	3.320	30.731	0.082935725	0.767680048
2.25	6.238	2.104	4.134	34.865	0.103269966	0.870950014
2.50	4.476	0.977	3.499	38.364	0.087407259	0.958357273
2.75	1.450	0.293	1.157	39.521	0.028902600	0.987259874
3.00	0.403	0.146	0.257	39.778	0.006420024	0.993679898
3.25	0.055	0.055	0.000	39.778	0.000000000	0.993679898
3.50	0.179	0.138	0.041	39.819	0.001024206	0.994704104
3.75	0.093	0.000	0.093	39.912	0.002323200	0.997027304
4.00	0.070	0.000	0.070	39.982	0.001748645	0.998775949
PAN	0.049	0.000	0.049	40.031	0.001224051	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

48.824 grams  
40.031 grams  
81.990



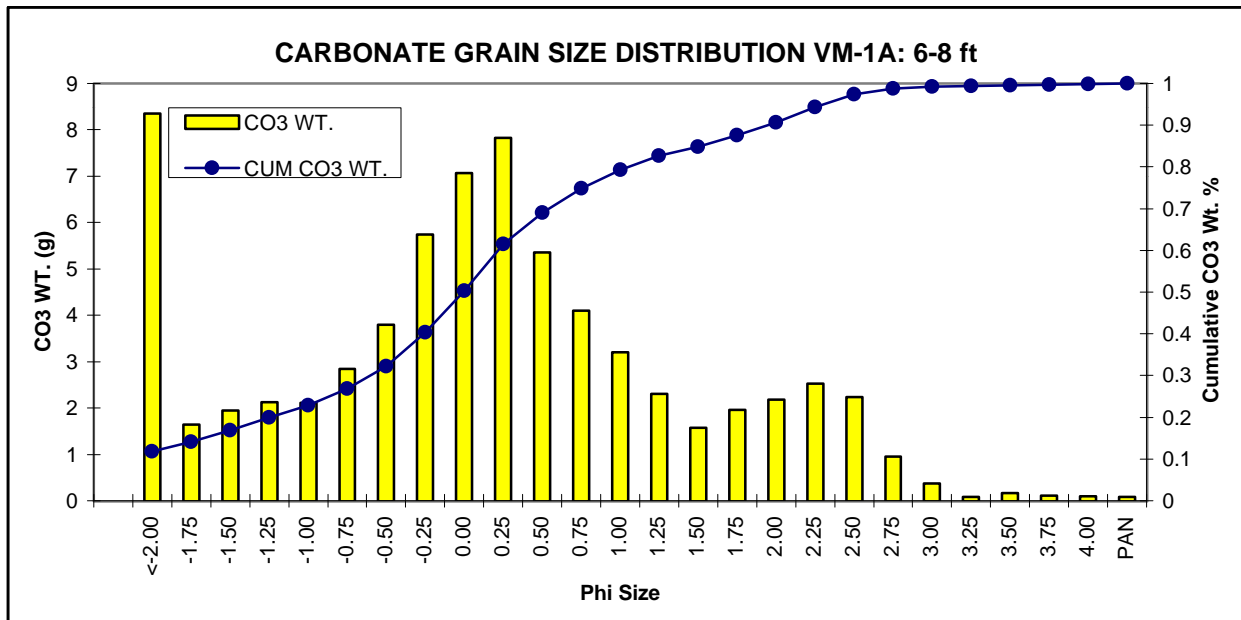
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-1A : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	8.358	0.000	8.358	8.358	0.118157657	0.118157657
-1.75	1.641	0.000	1.641	9.999	0.023198937	0.141356594
-1.50	1.945	0.000	1.945	11.944	0.027496607	0.168853201
-1.25	2.121	0.000	2.121	14.065	0.029984732	0.198837933
-1.00	2.109	0.000	2.109	16.174	0.029815087	0.228653020
-0.75	2.841	0.000	2.841	19.015	0.040163425	0.268816444
-0.50	3.802	0.000	3.802	22.817	0.053749152	0.322565596
-0.25	5.748	0.000	5.748	28.565	0.081259896	0.403825492
0.00	7.072	0.006	7.066	35.631	0.099892558	0.503718050
0.25	8.096	0.269	7.827	43.458	0.110650871	0.614368921
0.50	5.746	0.386	5.360	48.818	0.075774712	0.690143633
0.75	4.526	0.431	4.095	52.913	0.057891314	0.748034947
1.00	3.738	0.534	3.204	56.117	0.045295182	0.793330129
1.25	2.780	0.470	2.310	58.427	0.032656639	0.825986768
1.50	1.814	0.243	1.571	59.998	0.022209342	0.848196109
1.75	2.630	0.664	1.966	61.964	0.027793486	0.875989595
2.00	3.505	1.329	2.176	64.140	0.030762271	0.906751866
2.25	3.707	1.176	2.531	66.671	0.035780932	0.942532798
2.50	2.784	0.554	2.230	68.901	0.031525673	0.974058471
2.75	1.156	0.209	0.947	69.848	0.013387808	0.987446279
3.00	0.521	0.155	0.366	70.214	0.005174169	0.992620448
3.25	0.149	0.073	0.076	70.290	0.001074418	0.993694865
3.50	0.418	0.259	0.159	70.449	0.002247795	0.995942660
3.75	0.361	0.245	0.116	70.565	0.001639900	0.997582561
4.00	0.307	0.214	0.093	70.658	0.001314748	0.998897308
PAN	0.174	0.096	0.078	70.736	0.001102692	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

78.049 grams  
70.736 grams  
90.630

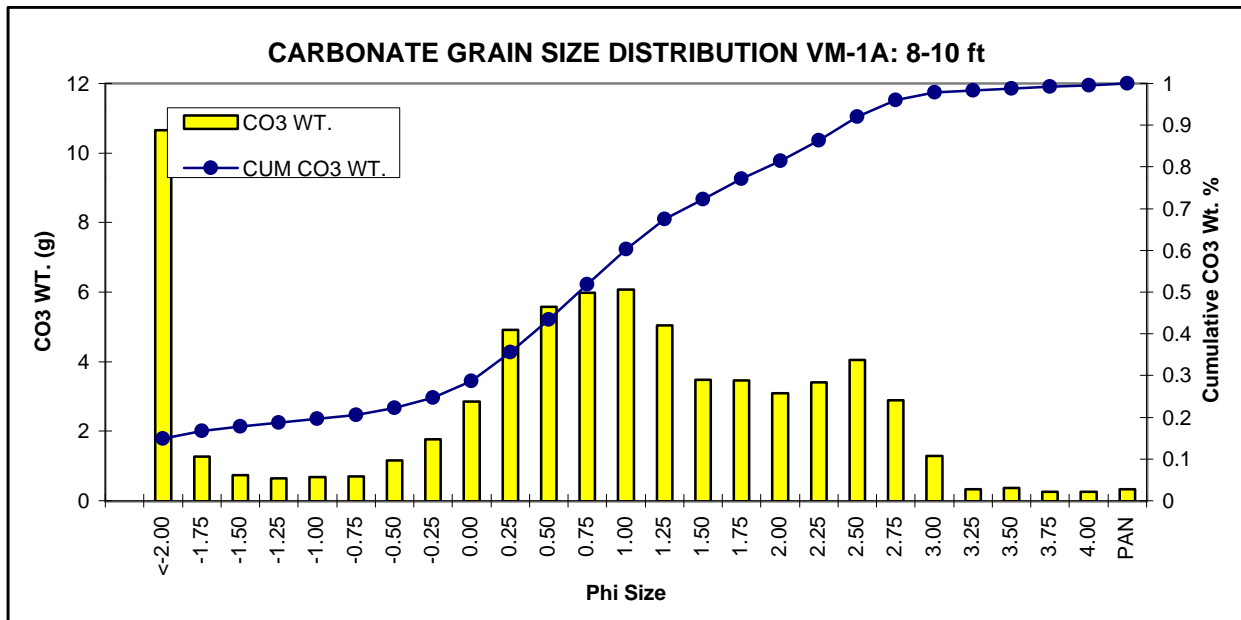


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-1A : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	10.651	0.000	10.651	10.651	0.149470937	0.149470937
-1.75	1.266	0.000	1.266	11.917	0.017766426	0.167237363
-1.50	0.735	0.000	0.735	12.652	0.010314631	0.177551994
-1.25	0.649	0.000	0.649	13.301	0.009107749	0.186659743
-1.00	0.686	0.000	0.686	13.987	0.009626989	0.196286733
-0.75	0.704	0.000	0.704	14.691	0.009879592	0.206166325
-0.50	1.152	0.000	1.152	15.843	0.016166606	0.222332931
-0.25	1.778	0.019	1.759	17.602	0.024684948	0.247017879
0.00	2.916	0.063	2.853	20.455	0.040037610	0.287055489
0.25	5.099	0.188	4.911	25.366	0.068918578	0.355974066
0.50	6.028	0.447	5.581	30.947	0.078321031	0.434295097
0.75	6.801	0.821	5.980	36.927	0.083920402	0.518215499
1.00	7.124	1.054	6.070	42.997	0.085183418	0.603398917
1.25	6.023	0.977	5.046	48.043	0.070813102	0.674212018
1.50	4.110	0.628	3.482	51.525	0.048864689	0.723076707
1.75	4.748	1.288	3.460	54.985	0.048555952	0.771632659
2.00	4.603	1.509	3.094	58.079	0.043419686	0.815052345
2.25	4.862	1.452	3.410	61.489	0.047854276	0.862906621
2.50	5.130	1.085	4.045	65.534	0.056765556	0.919672177
2.75	3.385	0.499	2.886	68.420	0.040500716	0.960172893
3.00	1.600	0.308	1.292	69.712	0.018131298	0.978304190
3.25	0.476	0.140	0.336	70.048	0.004715260	0.983019450
3.50	0.860	0.488	0.372	70.420	0.005220466	0.988239917
3.75	0.915	0.651	0.264	70.684	0.003704847	0.991944764
4.00	1.051	0.802	0.249	70.933	0.003494344	0.995439109
PAN	0.717	0.392	0.325	71.258	0.004560891	1.0

TOTAL WT.	84.069	grams
CO3 WT	71.258	grams
% CARBONATE	84.761	

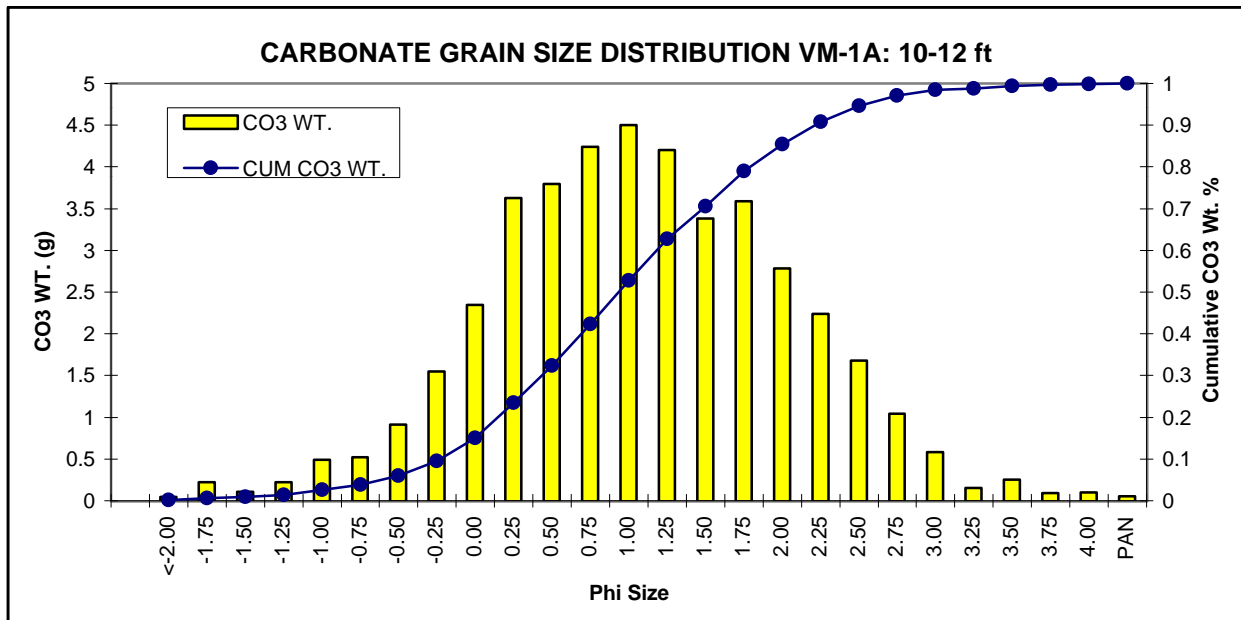


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-1A : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.049	0.000	0.049	0.049	0.001146279	0.001146279
-1.75	0.225	0.000	0.225	0.274	0.005263527	0.006409807
-1.50	0.107	0.000	0.107	0.381	0.002503100	0.008912906
-1.25	0.220	0.000	0.220	0.601	0.005146560	0.014059466
-1.00	0.491	0.000	0.491	1.092	0.011486186	0.025545652
-0.75	0.523	0.000	0.523	1.615	0.012234777	0.037780429
-0.50	0.910	0.000	0.910	2.525	0.021288044	0.059068473
-0.25	1.555	0.004	1.551	4.076	0.036283248	0.095351721
0.00	2.347	0.002	2.345	6.421	0.054857651	0.150209371
0.25	3.726	0.096	3.630	10.051	0.084918240	0.235127611
0.50	4.047	0.254	3.793	13.844	0.088731373	0.323858984
0.75	4.741	0.504	4.237	18.081	0.099118067	0.422977051
1.00	5.306	0.804	4.502	22.583	0.105317332	0.528294383
1.25	5.127	0.927	4.200	26.783	0.098252509	0.626546892
1.50	4.016	0.635	3.381	30.164	0.079093270	0.705640162
1.75	4.865	1.273	3.592	33.756	0.084029289	0.789669450
2.00	3.828	1.042	2.786	36.542	0.065174164	0.854843615
2.25	2.946	0.704	2.242	38.784	0.052448125	0.907291740
2.50	2.067	0.386	1.681	40.465	0.039324397	0.946616137
2.75	1.251	0.208	1.043	41.508	0.024399373	0.971015510
3.00	0.752	0.166	0.586	42.094	0.013708564	0.984724074
3.25	0.242	0.086	0.156	42.250	0.003649379	0.988373453
3.50	0.556	0.304	0.252	42.502	0.005895151	0.994268604
3.75	0.399	0.308	0.091	42.593	0.002128804	0.996397408
4.00	0.438	0.338	0.100	42.693	0.002339345	0.998736753
PAN	0.247	0.193	0.054	42.747	0.001263247	1.0

TOTAL WT.	50.981	grams
CO3 WT	42.747	grams
% CARBONATE	83.849	



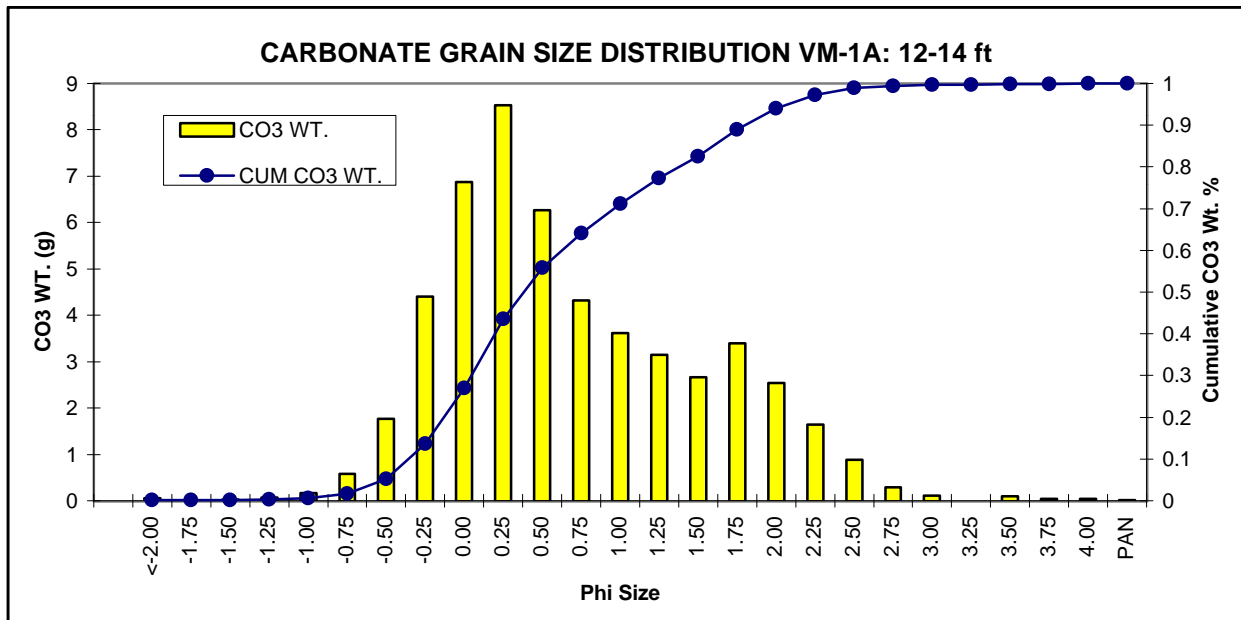


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-1A : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.062	0.000	0.062	0.062	0.001202739	0.001202739
-1.75	0.000	0.000	0.000	0.062	0.000000000	0.001202739
-1.50	0.026	0.000	0.026	0.088	0.000504374	0.001707114
-1.25	0.069	0.000	0.069	0.157	0.001338532	0.003045646
-1.00	0.159	0.000	0.159	0.316	0.003084444	0.006130090
-0.75	0.578	0.000	0.578	0.894	0.011212633	0.017342722
-0.50	1.767	0.000	1.767	2.661	0.034278066	0.051620788
-0.25	4.404	0.000	4.404	7.065	0.085433277	0.137054065
0.00	6.886	0.009	6.877	13.942	0.133407050	0.270461115
0.25	8.993	0.462	8.531	22.473	0.165493026	0.435954141
0.50	6.693	0.422	6.271	28.744	0.121651244	0.557605385
0.75	4.671	0.348	4.323	33.067	0.083861957	0.641467342
1.00	4.046	0.435	3.611	36.678	0.070049855	0.711517197
1.25	3.808	0.656	3.152	39.830	0.061145706	0.772662903
1.50	3.240	0.570	2.670	42.500	0.051795379	0.824458282
1.75	4.439	1.043	3.396	45.896	0.065879067	0.890337349
2.00	3.318	0.773	2.545	48.441	0.049370502	0.939707851
2.25	2.060	0.413	1.647	50.088	0.031950183	0.971658034
2.50	1.046	0.163	0.883	50.971	0.017129333	0.988787367
2.75	0.353	0.063	0.290	51.261	0.005625715	0.994413083
3.00	0.155	0.051	0.104	51.365	0.002017498	0.996430581
3.25	0.025	0.025	0.000	51.365	0.000000000	0.996430581
3.50	0.090	0.000	0.090	51.455	0.001745912	0.998176492
3.75	0.042	0.000	0.042	51.497	0.000814759	0.998991251
4.00	0.035	0.000	0.035	51.532	0.000678966	0.999670217
PAN	0.068	0.051	0.017	51.549	0.000329783	1.0

TOTAL WT.	57.033	grams
CO3 WT	51.549	grams
% CARBONATE	90.385	

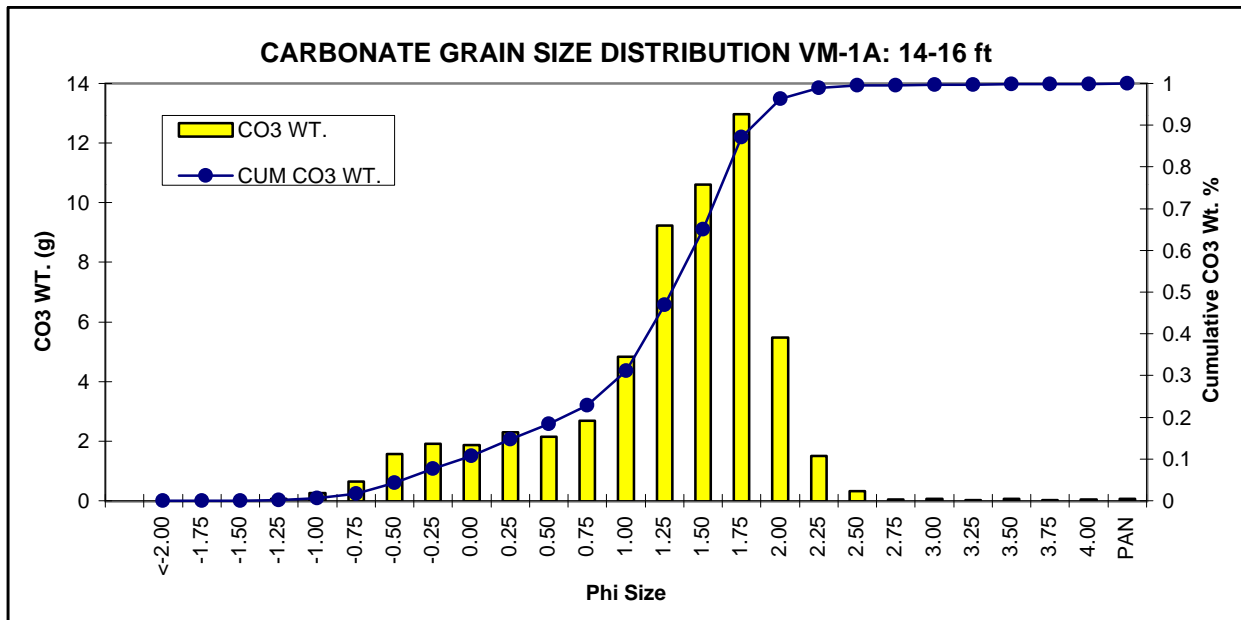


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-1A : 14-16 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	0.072	0.000	0.072	0.072	0.001226973	0.001226973
-1.00	0.257	0.000	0.257	0.329	0.004379612	0.005606585
-0.75	0.651	0.000	0.651	0.980	0.011093880	0.016700465
-0.50	1.569	0.000	1.569	2.549	0.026737786	0.043438251
-0.25	1.917	0.003	1.914	4.463	0.032617031	0.076055282
0.00	1.864	0.002	1.862	6.325	0.031730884	0.107786166
0.25	2.298	0.008	2.290	8.615	0.039024557	0.146810722
0.50	2.179	0.022	2.157	10.772	0.036758065	0.183568787
0.75	2.772	0.090	2.682	13.454	0.045704743	0.229273530
1.00	5.250	0.419	4.831	18.285	0.082326477	0.311600007
1.25	10.298	1.073	9.225	27.510	0.157205910	0.468805917
1.50	11.500	0.894	10.606	38.116	0.180739933	0.649545850
1.75	14.185	1.220	12.965	51.081	0.220940338	0.870486188
2.00	6.011	0.533	5.478	56.559	0.093352192	0.963838380
2.25	1.732	0.239	1.493	58.052	0.025442648	0.989281028
2.50	0.458	0.144	0.314	58.366	0.005350965	0.994631993
2.75	0.148	0.106	0.042	58.408	0.000715734	0.995347728
3.00	0.075	0.000	0.075	58.483	0.001278097	0.996625824
3.25	0.012	0.000	0.012	58.495	0.000204495	0.996830320
3.50	0.056	0.000	0.056	58.551	0.000954312	0.997784632
3.75	0.030	0.000	0.030	58.581	0.000511239	0.998295871
4.00	0.034	0.000	0.034	58.615	0.000579404	0.998875275
PAN	0.066	0.000	0.066	58.681	0.001124725	1.0

TOTAL WT.	63.434	grams
CO3 WT	58.681	grams
% CARBONATE	92.507	



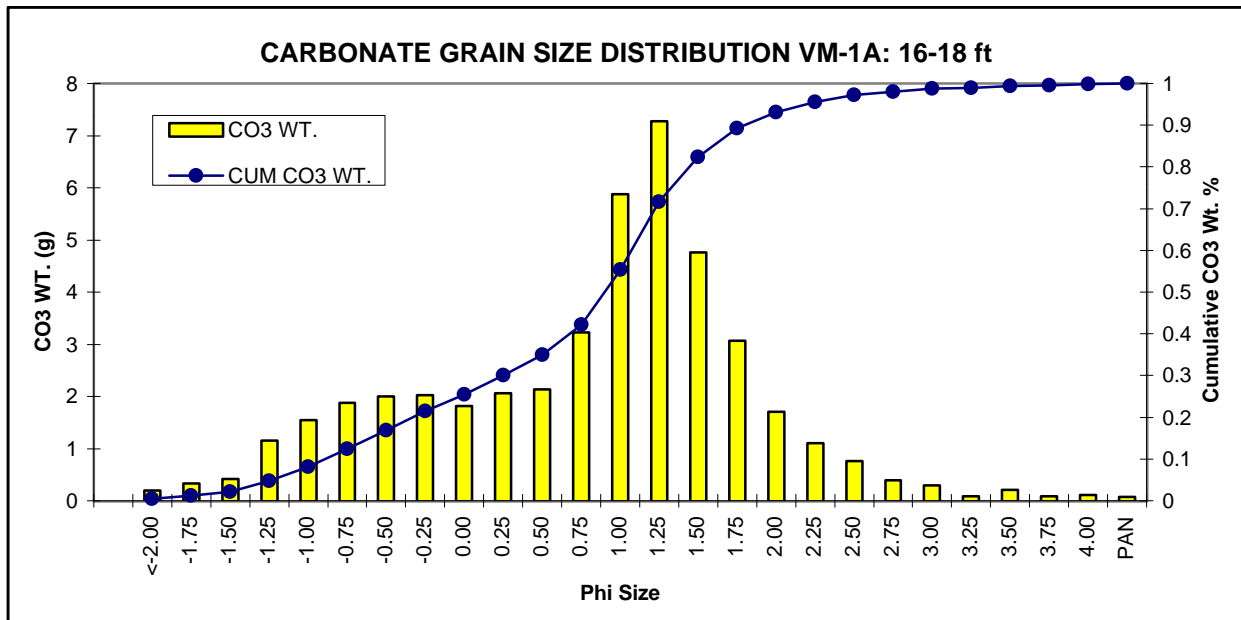
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-1A : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.199	0.000	0.199	0.199	0.004465688	0.004465688
-1.75	0.329	0.000	0.329	0.528	0.007382972	0.011848660
-1.50	0.416	0.000	0.416	0.944	0.009335308	0.021183968
-1.25	1.151	0.000	1.151	2.095	0.025829182	0.047013150
-1.00	1.541	0.000	1.541	3.636	0.034581033	0.081594183
-0.75	1.879	0.000	1.879	5.515	0.042165971	0.123760154
-0.50	1.994	0.000	1.994	7.509	0.044746645	0.168506800
-0.25	2.026	0.000	2.026	9.535	0.045464746	0.213971545
0.00	1.817	0.005	1.812	11.347	0.040662448	0.254633993
0.25	2.067	0.003	2.064	13.411	0.046317490	0.300951483
0.50	2.151	0.013	2.138	15.549	0.047978098	0.348929581
0.75	3.365	0.141	3.224	18.773	0.072348638	0.421278219
1.00	6.536	0.657	5.879	24.652	0.131928549	0.553206768
1.25	8.771	1.495	7.276	31.928	0.163278129	0.716484897
1.50	5.603	0.848	4.755	36.683	0.106705265	0.823190162
1.75	3.876	0.809	3.067	39.750	0.068825457	0.892015619
2.00	2.116	0.413	1.703	41.453	0.038216418	0.930232036
2.25	1.314	0.213	1.101	42.554	0.024707150	0.954939186
2.50	0.860	0.101	0.759	43.313	0.017032449	0.971971635
2.75	0.444	0.051	0.393	43.706	0.008819173	0.980790808
3.00	0.341	0.048	0.293	43.999	0.006575109	0.987365917
3.25	0.117	0.026	0.091	44.090	0.002042099	0.989408016
3.50	0.315	0.111	0.204	44.294	0.004577891	0.993985907
3.75	0.169	0.085	0.084	44.378	0.001885014	0.995870921
4.00	0.157	0.048	0.109	44.487	0.002446030	0.998316952
PAN	0.134	0.059	0.075	44.562	0.001683048	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

49.688 grams  
44.562 grams  
89.684



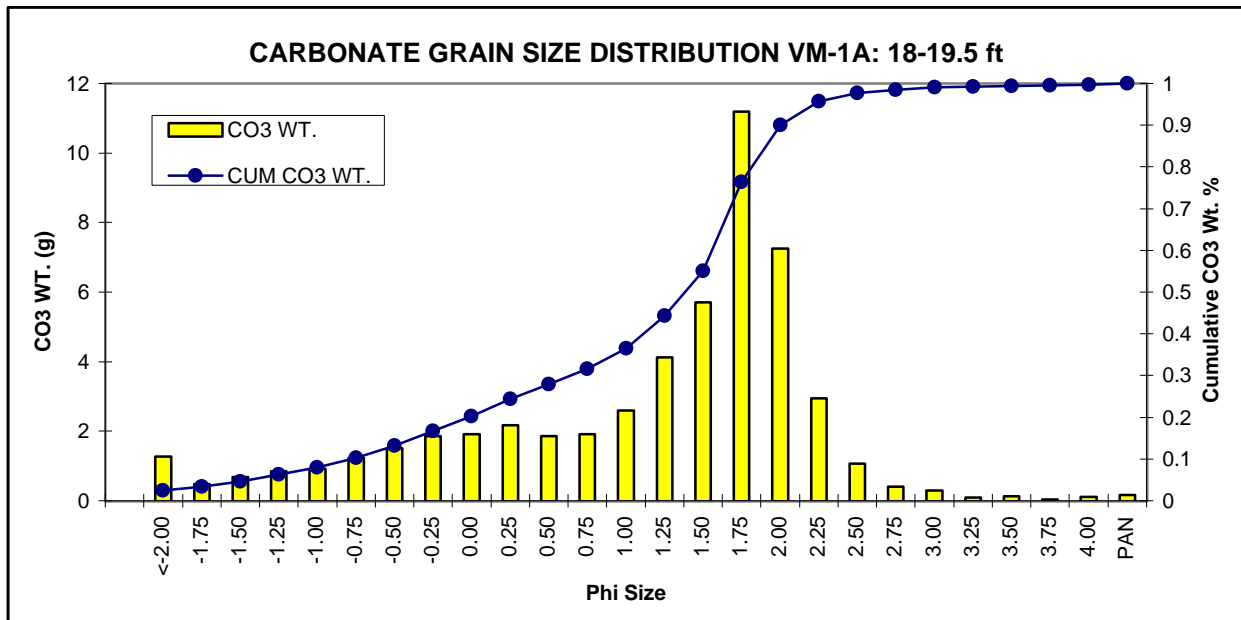
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-1A : 18-19.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.276	0.000	1.276	1.276	0.024190949	0.024190949
-1.75	0.486	0.000	0.486	1.762	0.009213794	0.033404743
-1.50	0.676	0.000	0.676	2.438	0.012815895	0.046220638
-1.25	0.843	0.000	0.843	3.281	0.015981952	0.062202590
-1.00	0.916	0.000	0.916	4.197	0.017365917	0.079568506
-0.75	1.226	0.000	1.226	5.423	0.023243028	0.102811534
-0.50	1.516	0.000	1.516	6.939	0.028740971	0.131552505
-0.25	1.854	0.000	1.854	8.793	0.035148918	0.166701424
0.00	1.922	0.014	1.908	10.701	0.036172673	0.202874097
0.25	2.206	0.028	2.178	12.879	0.041291448	0.244165545
0.50	1.901	0.043	1.858	14.737	0.035224752	0.279390297
0.75	1.973	0.062	1.911	16.648	0.036229549	0.315619846
1.00	2.769	0.169	2.600	19.248	0.049291903	0.364911749
1.25	4.594	0.475	4.119	23.367	0.078089749	0.443001498
1.50	6.225	0.526	5.699	29.066	0.108044059	0.551045557
1.75	12.203	1.014	11.189	40.255	0.212125808	0.763171365
2.00	7.823	0.572	7.251	47.506	0.137467534	0.900638899
2.25	3.216	0.266	2.950	50.456	0.055927351	0.956566250
2.50	1.187	0.111	1.076	51.532	0.020399264	0.976965515
2.75	0.458	0.059	0.399	51.931	0.007564411	0.984529926
3.00	0.359	0.060	0.299	52.230	0.005668569	0.990198495
3.25	0.139	0.042	0.097	52.327	0.001838967	0.992037462
3.50	0.328	0.207	0.121	52.448	0.002293969	0.994331431
3.75	0.220	0.187	0.033	52.481	0.000625628	0.994957059
4.00	0.199	0.092	0.107	52.588	0.002028551	0.996985611
PAN	0.233	0.074	0.159	52.747	0.003014389	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

56.748 grams  
52.747 grams  
92.950



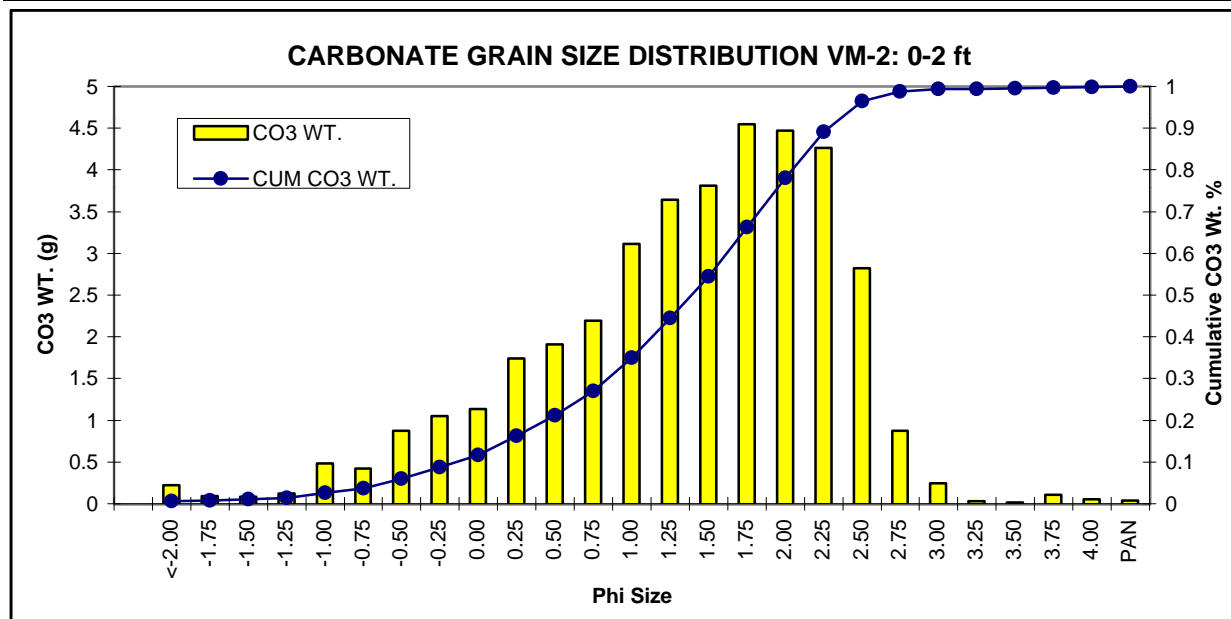
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-2 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.219	0.000	0.219	0.219	0.005708477	0.005708477
-1.75	0.089	0.000	0.089	0.308	0.002319883	0.008028360
-1.50	0.088	0.000	0.088	0.396	0.002293817	0.010322177
-1.25	0.123	0.000	0.123	0.519	0.003206131	0.013528308
-1.00	0.485	0.000	0.485	1.004	0.012642060	0.026170368
-0.75	0.418	0.000	0.418	1.422	0.010895631	0.037065999
-0.50	0.874	0.000	0.874	2.296	0.022781775	0.059847774
-0.25	1.051	0.000	1.051	3.347	0.027395475	0.087243249
0.00	1.139	0.005	1.134	4.481	0.029558962	0.116802210
0.25	1.757	0.015	1.742	6.223	0.045407153	0.162209363
0.50	1.952	0.043	1.909	8.132	0.049760192	0.211969555
0.75	2.306	0.111	2.195	10.327	0.057215097	0.269184652
1.00	3.407	0.291	3.116	13.443	0.081221979	0.350406631
1.25	4.293	0.652	3.641	17.084	0.094906683	0.445313315
1.50	4.573	0.759	3.814	20.898	0.099416119	0.544729434
1.75	6.980	2.431	4.549	25.447	0.118574705	0.663304139
2.00	7.782	3.308	4.474	29.921	0.116619748	0.779923887
2.25	6.610	2.350	4.260	34.181	0.111041602	0.890965488
2.50	3.826	1.006	2.820	37.001	0.073506412	0.964471901
2.75	1.196	0.319	0.877	37.878	0.022859973	0.987331874
3.00	0.425	0.183	0.242	38.120	0.006307997	0.993639871
3.25	0.078	0.050	0.028	38.148	0.000729851	0.994369722
3.50	0.205	0.186	0.019	38.167	0.000495256	0.994864978
3.75	0.105	0.000	0.105	38.272	0.002736941	0.997601918
4.00	0.055	0.000	0.055	38.327	0.001433636	0.999035554
PAN	0.037	0.000	0.037	38.364	0.000964446	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

50.073 grams  
38.364 grams  
76.616



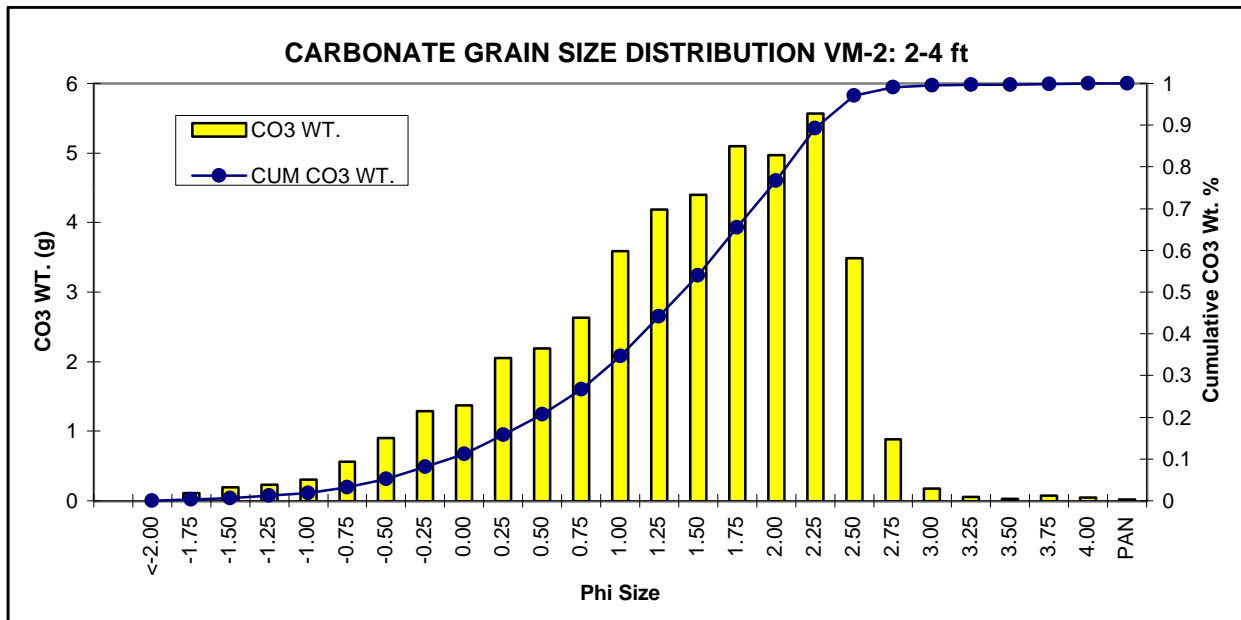
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-2 : 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	0.115	0.000	0.115	0.115	0.002589215	0.002589215
-1.50	0.189	0.000	0.189	0.304	0.004255319	0.006844535
-1.25	0.229	0.000	0.229	0.533	0.005155916	0.012000450
-1.00	0.304	0.000	0.304	0.837	0.006844535	0.018844985
-0.75	0.563	0.000	0.563	1.400	0.012675898	0.031520883
-0.50	0.903	0.000	0.903	2.303	0.020330969	0.051851852
-0.25	1.285	0.000	1.285	3.588	0.028931667	0.080783519
0.00	1.380	0.006	1.374	4.962	0.030935495	0.111719014
0.25	2.065	0.017	2.048	7.010	0.046110548	0.157829562
0.50	2.233	0.041	2.192	9.202	0.049352696	0.207182258
0.75	2.736	0.108	2.628	11.830	0.059169200	0.266351458
1.00	3.882	0.296	3.586	15.416	0.080738489	0.347089947
1.25	4.822	0.632	4.190	19.606	0.094337499	0.441427446
1.50	5.237	0.836	4.401	24.007	0.099088146	0.540515592
1.75	8.285	3.185	5.100	29.107	0.114826072	0.655341664
2.00	9.344	4.376	4.968	34.075	0.111854103	0.767195767
2.25	7.988	2.416	5.572	39.647	0.125453113	0.892648880
2.50	4.319	0.827	3.492	43.139	0.078622087	0.971270967
2.75	1.127	0.243	0.884	44.023	0.019903186	0.991174153
3.00	0.316	0.143	0.173	44.196	0.003895080	0.995069233
3.25	0.054	0.000	0.054	44.250	0.001215805	0.996285039
3.50	0.124	0.098	0.026	44.276	0.000585388	0.996870427
3.75	0.073	0.000	0.073	44.349	0.001643589	0.998514016
4.00	0.046	0.000	0.046	44.395	0.001035686	0.999549702
PAN	0.040	0.020	0.020	44.415	0.000450298	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

57.659 grams  
44.415 grams  
77.030

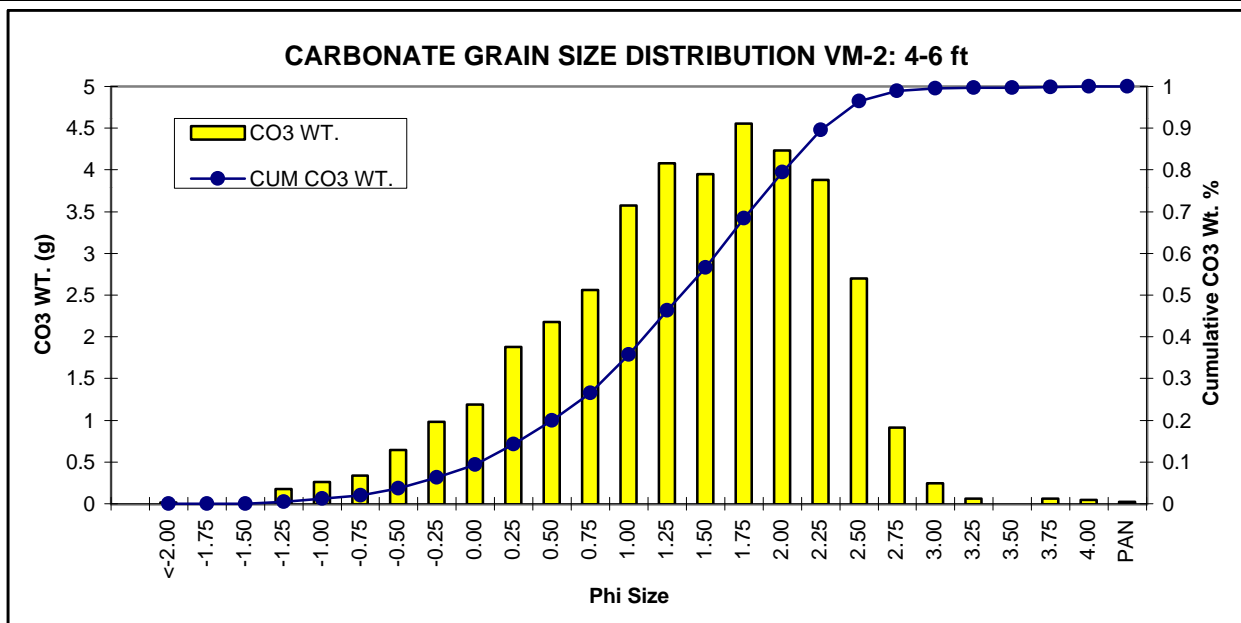


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-2 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.013	0.000	0.013	0.013	0.000337391	0.000337391
-1.75	0.000	0.000	0.000	0.013	0.000000000	0.000337391
-1.50	0.000	0.000	0.000	0.013	0.000000000	0.000337391
-1.25	0.178	0.000	0.178	0.191	0.004619657	0.004957048
-1.00	0.260	0.000	0.260	0.451	0.006747813	0.011704861
-0.75	0.340	0.000	0.340	0.791	0.008824064	0.020528925
-0.50	0.644	0.000	0.644	1.435	0.016713815	0.037242740
-0.25	0.983	0.000	0.983	2.418	0.025511925	0.062754665
0.00	1.190	0.005	1.185	3.603	0.030754457	0.093509123
0.25	1.893	0.012	1.881	5.484	0.048817835	0.142326958
0.50	2.204	0.026	2.178	7.662	0.056525914	0.198852872
0.75	2.650	0.092	2.558	10.220	0.066388103	0.265240975
1.00	3.916	0.341	3.575	13.795	0.092782435	0.358023410
1.25	4.892	0.813	4.079	17.874	0.105862812	0.463886221
1.50	4.857	0.906	3.951	21.825	0.102540811	0.566427033
1.75	6.818	2.262	4.556	26.381	0.118242454	0.684669487
2.00	7.134	2.903	4.231	30.612	0.109807687	0.794477174
2.25	6.157	2.279	3.878	34.490	0.100646233	0.895123407
2.50	3.767	1.069	2.698	37.188	0.070021541	0.965144948
2.75	1.255	0.346	0.909	38.097	0.023591394	0.988736342
3.00	0.412	0.165	0.247	38.344	0.006410423	0.995146765
3.25	0.059	0.000	0.059	38.403	0.001531235	0.996678000
3.50	0.132	0.142	0.000	38.403	0.000000000	0.996678000
3.75	0.062	0.000	0.062	38.465	0.001609094	0.998287094
4.00	0.046	0.000	0.046	38.511	0.001193844	0.999480937
PAN	0.052	0.032	0.020	38.531	0.000519063	1.0

<b>TOTAL WT.</b>	49.914	grams
<b>CO3 WT</b>	38.531	grams
<b>% CARBONATE</b>	77.195	



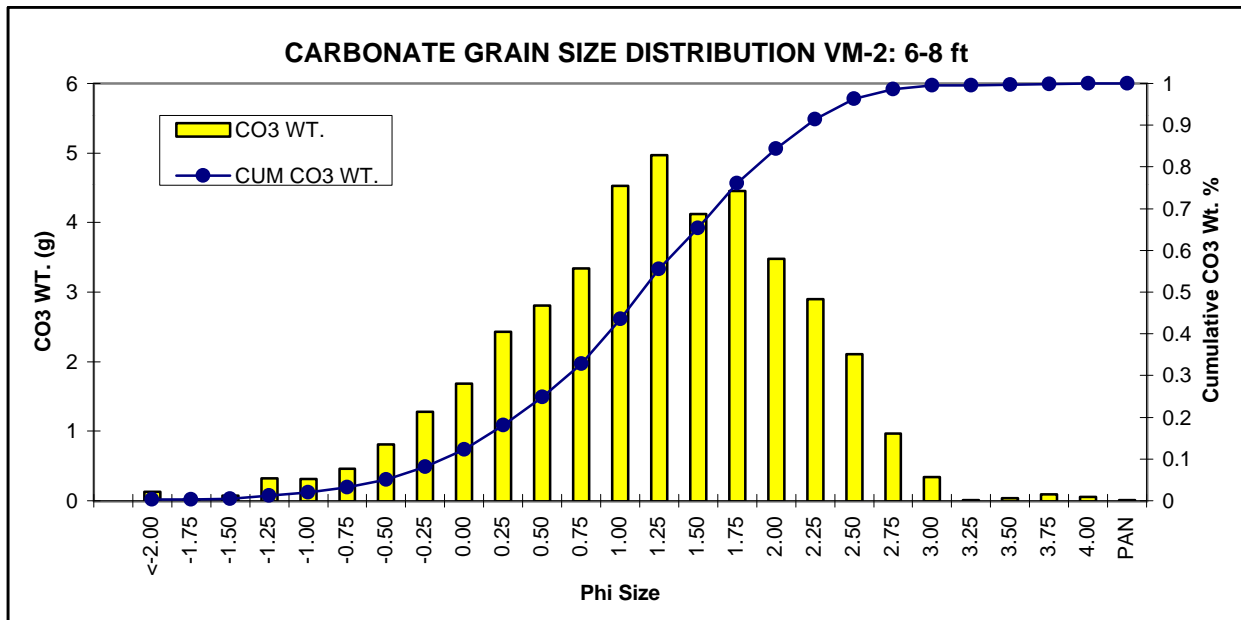
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-2 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.125	0.000	0.125	0.125	0.002995519	0.002995519
-1.75	0.020	0.000	0.020	0.145	0.000479283	0.003474802
-1.50	0.076	0.000	0.076	0.221	0.001821275	0.005296077
-1.25	0.323	0.000	0.323	0.544	0.007740420	0.013036497
-1.00	0.315	0.000	0.315	0.859	0.007548707	0.020585205
-0.75	0.461	0.000	0.461	1.320	0.011047473	0.031632678
-0.50	0.814	0.000	0.814	2.134	0.019506818	0.051139495
-0.25	1.282	0.000	1.282	3.416	0.030722040	0.081861535
0.00	1.689	0.002	1.687	5.103	0.040427520	0.122289056
0.25	2.434	0.007	2.427	7.530	0.058160991	0.180450047
0.50	2.842	0.033	2.809	10.339	0.067315296	0.247765343
0.75	3.472	0.135	3.337	13.676	0.079968367	0.327733710
1.00	4.910	0.385	4.525	18.201	0.108437777	0.436171487
1.25	5.975	1.008	4.967	23.168	0.119029931	0.555201419
1.50	5.577	1.457	4.120	27.288	0.098732296	0.653933715
1.75	6.903	2.453	4.450	31.738	0.106640466	0.760574181
2.00	5.597	2.121	3.476	35.214	0.083299384	0.843873565
2.25	4.211	1.310	2.901	38.115	0.069519998	0.913393563
2.50	2.849	0.746	2.103	40.218	0.050396607	0.963790170
2.75	1.324	0.361	0.963	41.181	0.023077476	0.986867646
3.00	0.551	0.209	0.342	41.523	0.008195739	0.995063385
3.25	0.070	0.058	0.012	41.535	0.000287570	0.995350955
3.50	0.203	0.169	0.034	41.569	0.000814781	0.996165736
3.75	0.092	0.000	0.092	41.661	0.002204702	0.998370438
4.00	0.056	0.000	0.056	41.717	0.001341992	0.999712430
PAN	0.045	0.033	0.012	41.729	0.000287570	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

52.216 grams  
41.729 grams  
79.916



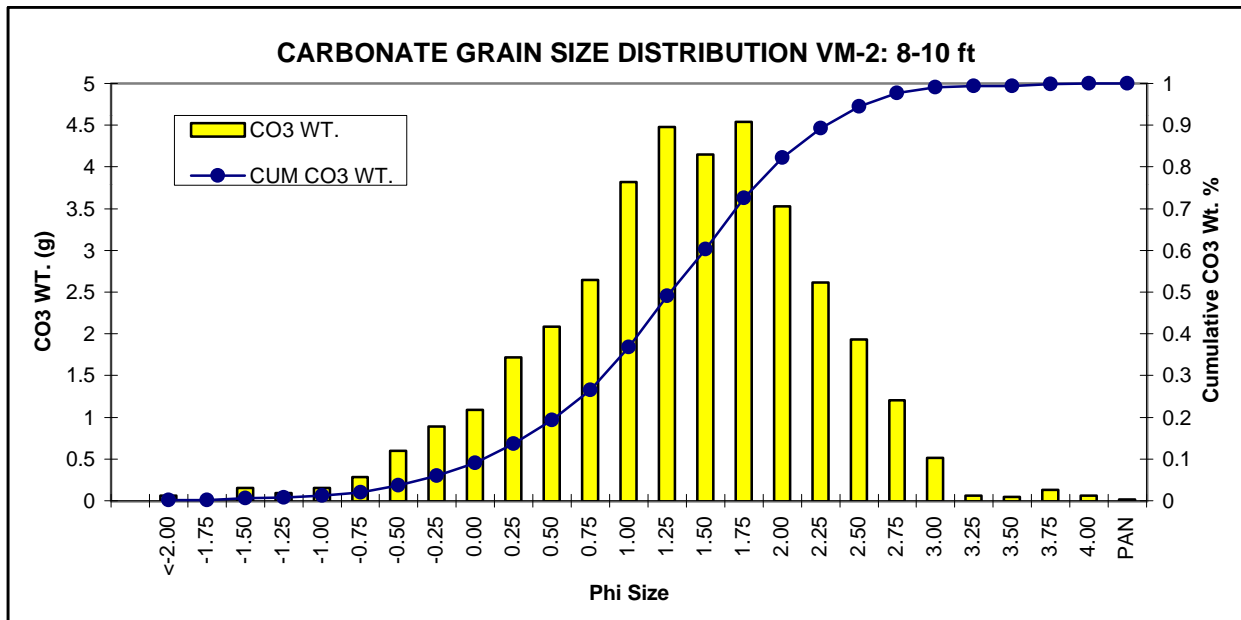


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-2 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.065	0.000	0.065	0.065	0.001762616	0.001762616
-1.75	0.000	0.000	0.000	0.065	0.000000000	0.001762616
-1.50	0.152	0.000	0.152	0.217	0.004121810	0.005884427
-1.25	0.093	0.000	0.093	0.310	0.002521897	0.008406324
-1.00	0.154	0.000	0.154	0.464	0.004176045	0.012582368
-0.75	0.283	0.000	0.283	0.747	0.007674160	0.020256528
-0.50	0.599	0.000	0.599	1.346	0.016243187	0.036499715
-0.25	0.887	0.000	0.887	2.233	0.024052933	0.060552648
0.00	1.094	0.002	1.092	3.325	0.029611953	0.090164601
0.25	1.721	0.002	1.719	5.044	0.046614421	0.136779022
0.50	2.106	0.020	2.086	7.130	0.056566424	0.193345446
0.75	2.754	0.108	2.646	9.776	0.071752041	0.265097486
1.00	4.182	0.362	3.820	13.596	0.103587602	0.368685088
1.25	5.492	1.013	4.479	18.075	0.121457819	0.490142908
1.50	5.758	1.608	4.150	22.225	0.112536269	0.602679177
1.75	7.387	2.846	4.541	26.766	0.123139084	0.725818261
2.00	5.402	1.872	3.530	30.296	0.095723622	0.821541882
2.25	3.540	0.926	2.614	32.910	0.070884291	0.892426173
2.50	2.542	0.608	1.934	34.844	0.052444613	0.944870787
2.75	1.596	0.392	1.204	36.048	0.032649077	0.977519863
3.00	0.764	0.252	0.512	36.560	0.013883993	0.991403856
3.25	0.122	0.058	0.064	36.624	0.001735499	0.993139355
3.50	0.243	0.199	0.044	36.668	0.001193156	0.994332511
3.75	0.129	0.000	0.129	36.797	0.003498115	0.997830626
4.00	0.064	0.000	0.064	36.861	0.001735499	0.999566125
PAN	0.059	0.043	0.016	36.877	0.000433875	1.0

TOTAL WT.	47.188	grams
CO3 WT	36.877	grams
% CARBONATE	78.149	



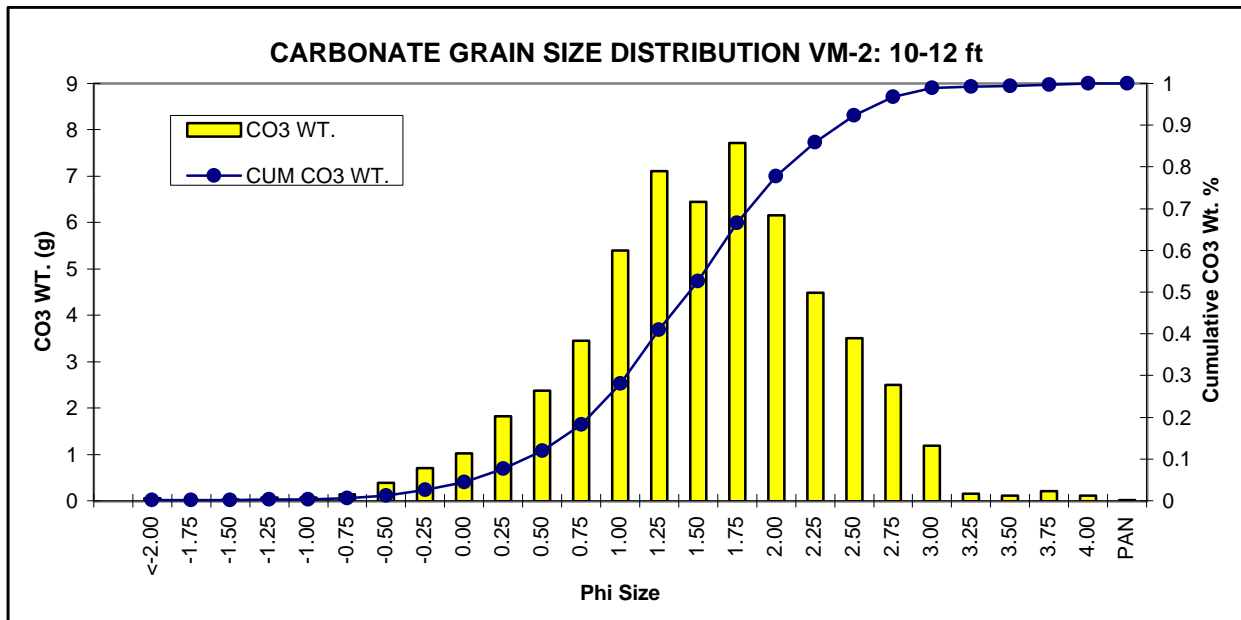
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-2 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.049	0.000	0.049	0.049	0.000887890	0.000887890
-1.75	0.000	0.000	0.000	0.049	0.000000000	0.000887890
-1.50	0.021	0.000	0.021	0.070	0.000380524	0.001268415
-1.25	0.063	0.000	0.063	0.133	0.001141573	0.002409988
-1.00	0.065	0.000	0.065	0.198	0.001177814	0.003587801
-0.75	0.132	0.000	0.132	0.330	0.002391868	0.005979669
-0.50	0.386	0.000	0.386	0.716	0.006994401	0.012974070
-0.25	0.699	0.000	0.699	1.415	0.012666026	0.025640096
0.00	1.028	0.000	1.028	2.443	0.018627575	0.044267672
0.25	1.835	0.016	1.819	4.262	0.032960661	0.077228333
0.50	2.401	0.028	2.373	6.635	0.042999257	0.120227590
0.75	3.581	0.132	3.449	10.084	0.062496602	0.182724192
1.00	5.962	0.562	5.400	15.484	0.097849131	0.280573323
1.25	8.815	1.704	7.111	22.595	0.128852810	0.409426133
1.50	9.405	2.955	6.450	29.045	0.116875351	0.526301484
1.75	12.835	5.125	7.710	36.755	0.139706815	0.666008299
2.00	9.280	3.120	6.160	42.915	0.111620490	0.777628789
2.25	5.928	1.435	4.493	47.408	0.081414101	0.859042891
2.50	4.569	1.061	3.508	50.916	0.063565695	0.922608585
2.75	3.318	0.816	2.502	53.418	0.045336764	0.967945349
3.00	1.702	0.519	1.183	54.601	0.021436208	0.989381557
3.25	0.272	0.126	0.146	54.747	0.002645551	0.992027108
3.50	0.441	0.332	0.109	54.856	0.001975103	0.994002211
3.75	0.201	0.000	0.201	55.057	0.003642162	0.997644373
4.00	0.115	0.000	0.115	55.172	0.002083824	0.999728197
PAN	0.083	0.068	0.015	55.187	0.000271803	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

73.186 grams  
55.187 grams  
75.406



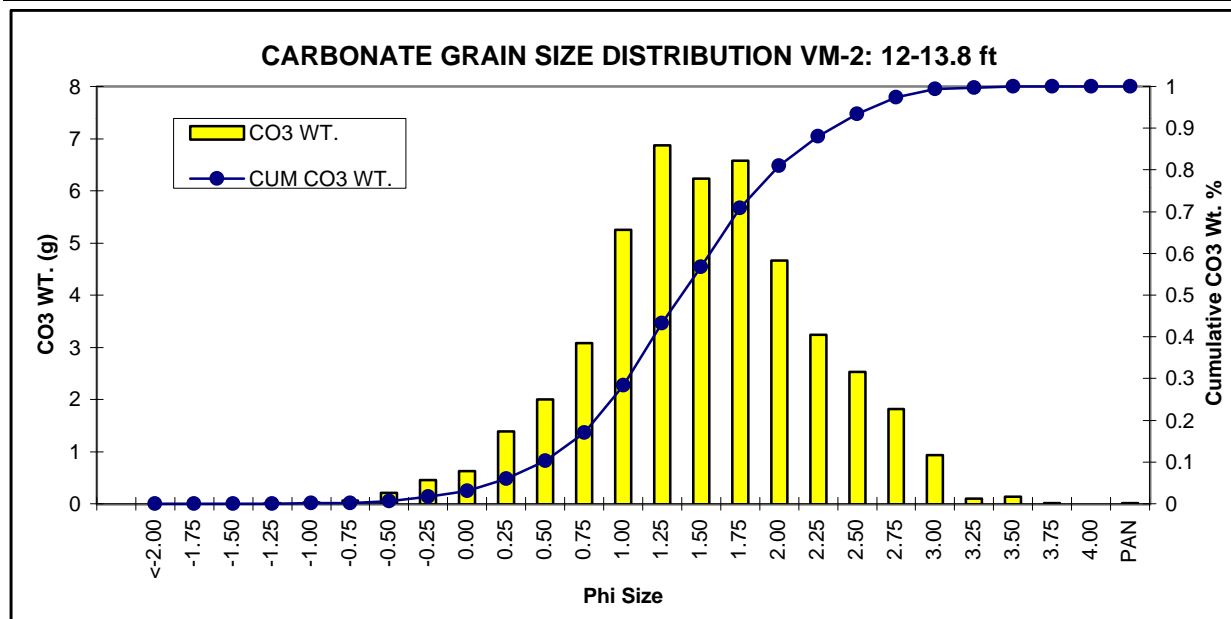
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-2 : 12-13.8 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	0.000	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.014	0.000	0.014	0.014	0.000302703	0.000302703
-1.00	0.029	0.000	0.029	0.043	0.000627027	0.000929730
-0.75	0.060	0.000	0.060	0.103	0.001297297	0.002227027
-0.50	0.205	0.000	0.205	0.308	0.004432432	0.006659459
-0.25	0.457	0.000	0.457	0.765	0.009881081	0.016540541
0.00	0.627	0.001	0.626	1.391	0.013535135	0.030075676
0.25	1.397	0.007	1.390	2.781	0.030054054	0.060129730
0.50	2.025	0.021	2.004	4.785	0.043329730	0.103459459
0.75	3.223	0.141	3.082	7.867	0.066637838	0.170097297
1.00	5.850	0.602	5.248	13.115	0.113470270	0.283567568
1.25	8.650	1.781	6.869	19.984	0.148518919	0.432086486
1.50	8.969	2.732	6.237	26.221	0.134854054	0.566940541
1.75	10.648	4.071	6.577	32.798	0.142205405	0.709145946
2.00	7.049	2.390	4.659	37.457	0.100735135	0.809881081
2.25	4.313	1.069	3.244	40.701	0.070140541	0.880021622
2.50	3.225	0.698	2.527	43.228	0.054637838	0.934659459
2.75	2.376	0.554	1.822	45.050	0.039394595	0.974054054
3.00	1.378	0.451	0.927	45.977	0.020043243	0.994097297
3.25	0.271	0.173	0.098	46.075	0.002118919	0.996216216
3.50	0.530	0.390	0.140	46.215	0.003027027	0.999243243
3.75	0.364	0.348	0.016	46.231	0.000345946	0.999589189
4.00	0.171	0.169	0.002	46.233	0.000043243	0.999632432
PAN	0.087	0.070	0.017	46.250	0.000367568	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

61.918 grams  
46.250 grams  
74.696



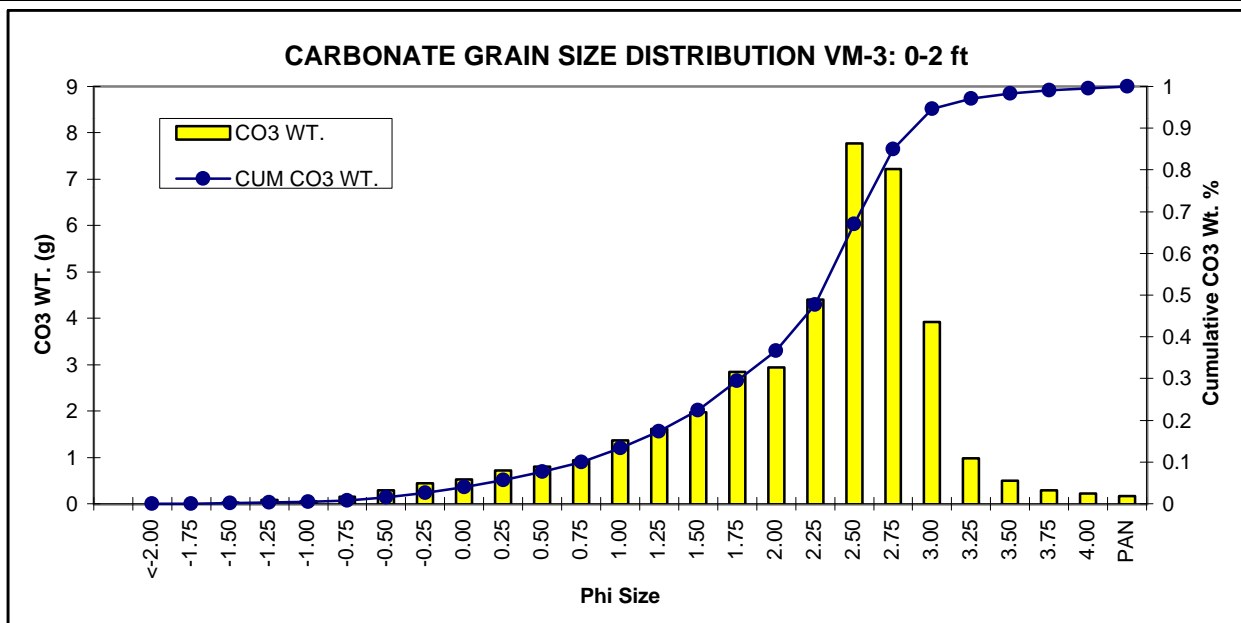
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-3 : 0-2 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	0.000845414	0.000845414
-1.25	0.089	0.000	0.089	0.123	0.002212995	0.003058408
-1.00	0.049	0.000	0.049	0.172	0.001218390	0.004276798
-0.75	0.153	0.000	0.153	0.325	0.003804361	0.008081160
-0.50	0.285	0.000	0.285	0.610	0.007086555	0.015167715
-0.25	0.449	0.007	0.442	1.052	0.010990377	0.026158092
0.00	0.528	0.002	0.526	1.578	0.013079046	0.039237139
0.25	0.738	0.022	0.716	2.294	0.017803416	0.057040555
0.50	0.842	0.047	0.795	3.089	0.019767760	0.076808315
0.75	1.033	0.101	0.932	4.021	0.023174280	0.099982594
1.00	1.635	0.271	1.364	5.385	0.033916006	0.133898600
1.25	2.155	0.540	1.615	7.000	0.040157147	0.174055748
1.50	2.493	0.514	1.979	8.979	0.049208046	0.223263794
1.75	4.829	1.981	2.848	11.827	0.070815824	0.294079618
2.00	5.185	2.244	2.941	14.768	0.073128279	0.367207897
2.25	6.866	2.459	4.407	19.175	0.109580526	0.476788423
2.50	12.140	4.375	7.765	26.940	0.193077554	0.669865977
2.75	10.975	3.762	7.213	34.153	0.179352015	0.849217992
3.00	6.266	2.349	3.917	38.070	0.097396623	0.946614616
3.25	1.911	0.936	0.975	39.045	0.024243479	0.970858095
3.50	2.239	1.739	0.500	39.545	0.012432553	0.983290648
3.75	1.935	1.644	0.291	39.836	0.007235746	0.990526394
4.00	1.208	0.990	0.218	40.054	0.005420593	0.995946988
PAN	0.562	0.399	0.163	40.217	0.004053012	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

64.599 grams  
40.217 grams  
62.256



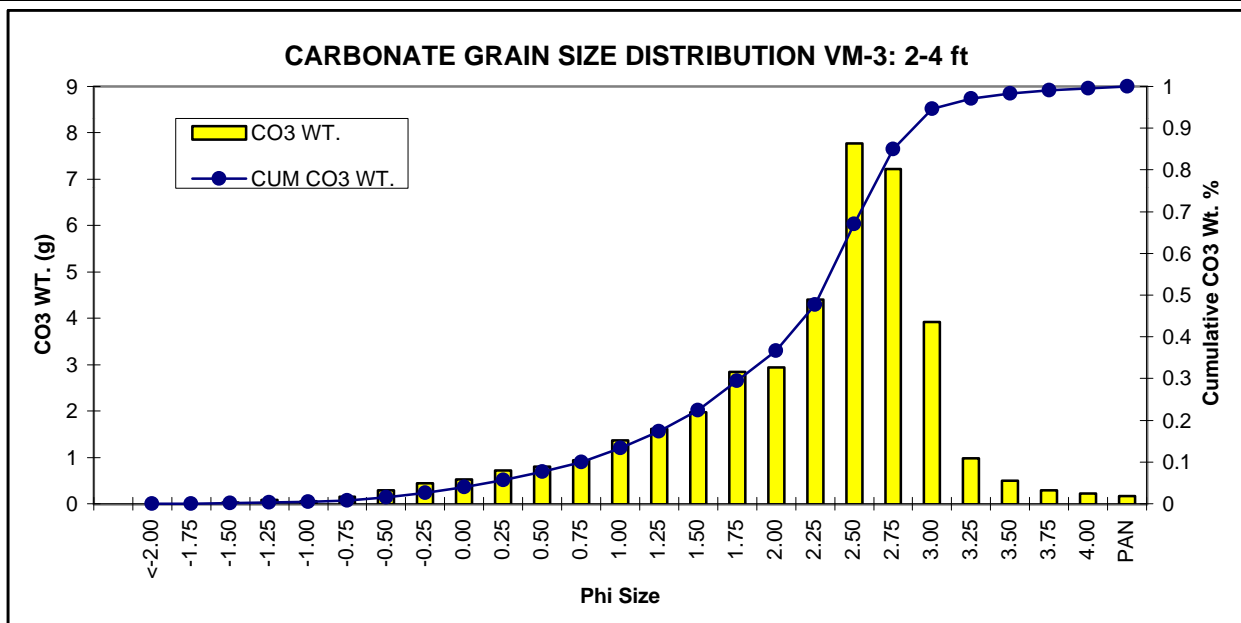
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-3 : 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	0.034	0.000	0.034	0.034	0.000845414	0.000845414
-1.25	0.089	0.000	0.089	0.123	0.002212995	0.003058408
-1.00	0.049	0.000	0.049	0.172	0.001218390	0.004276798
-0.75	0.153	0.000	0.153	0.325	0.003804361	0.008081160
-0.50	0.285	0.000	0.285	0.610	0.007086555	0.015167715
-0.25	0.449	0.007	0.442	1.052	0.010990377	0.026158092
0.00	0.528	0.002	0.526	1.578	0.013079046	0.039237139
0.25	0.738	0.022	0.716	2.294	0.017803416	0.057040555
0.50	0.842	0.047	0.795	3.089	0.019767760	0.076808315
0.75	1.033	0.101	0.932	4.021	0.023174280	0.099982594
1.00	1.635	0.271	1.364	5.385	0.033916006	0.133898600
1.25	2.155	0.540	1.615	7.000	0.040157147	0.174055748
1.50	2.493	0.514	1.979	8.979	0.049208046	0.223263794
1.75	4.829	1.981	2.848	11.827	0.070815824	0.294079618
2.00	5.185	2.244	2.941	14.768	0.073128279	0.367207897
2.25	6.866	2.459	4.407	19.175	0.109580526	0.476788423
2.50	12.140	4.375	7.765	26.940	0.193077554	0.669865977
2.75	10.975	3.762	7.213	34.153	0.179352015	0.849217992
3.00	6.266	2.349	3.917	38.070	0.097396623	0.946614616
3.25	1.911	0.936	0.975	39.045	0.024243479	0.970858095
3.50	2.239	1.739	0.500	39.545	0.012432553	0.983290648
3.75	1.935	1.644	0.291	39.836	0.007235746	0.990526394
4.00	1.208	0.990	0.218	40.054	0.005420593	0.995946988
PAN	0.562	0.399	0.163	40.217	0.004053012	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

64.599 grams  
40.217 grams  
62.256



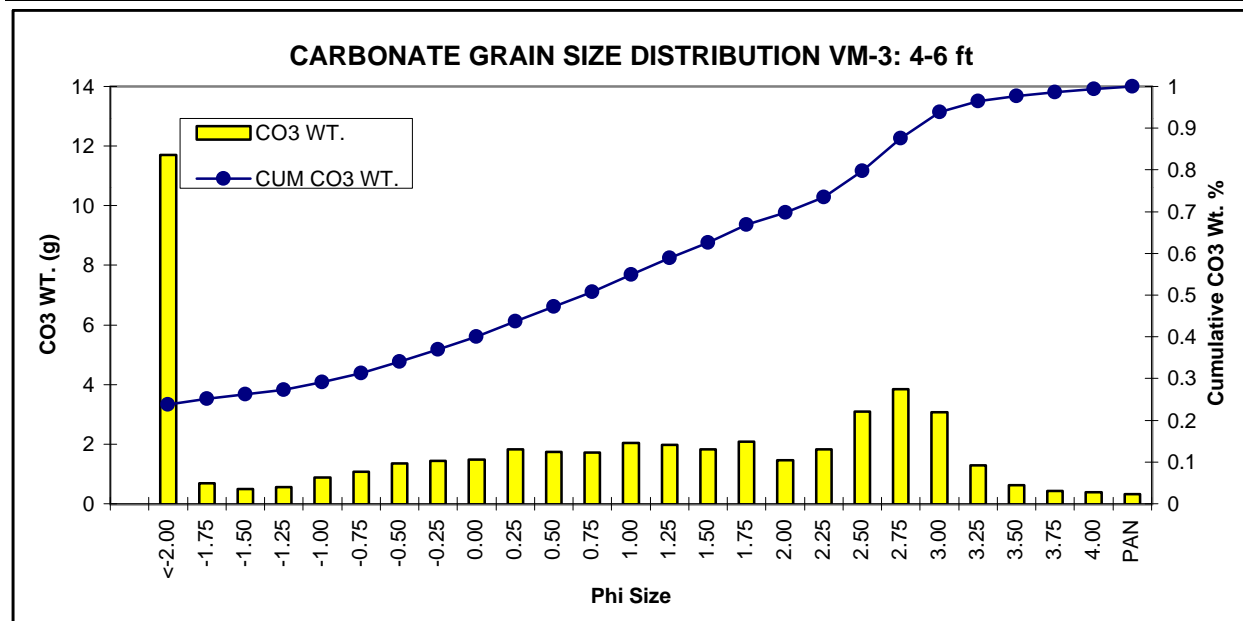
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-3 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	11.709	0.000	11.709	11.709	0.238011993	0.238011993
-1.75	0.693	0.000	0.693	12.402	0.014086797	0.252098791
-1.50	0.502	0.000	0.502	12.904	0.010204289	0.262303080
-1.25	0.564	0.000	0.564	13.468	0.011464580	0.273767659
-1.00	0.877	0.000	0.877	14.345	0.017827015	0.291594674
-0.75	1.077	0.000	1.077	15.422	0.021892469	0.313487143
-0.50	1.350	0.005	1.345	16.767	0.027340177	0.340827320
-0.25	1.464	0.021	1.443	18.210	0.029332249	0.370159569
0.00	1.523	0.048	1.475	19.685	0.029982722	0.400142291
0.25	1.949	0.116	1.833	21.518	0.037259884	0.437402175
0.50	1.956	0.210	1.746	23.264	0.035491412	0.472893587
0.75	2.094	0.386	1.708	24.972	0.034718976	0.507612562
1.00	2.741	0.707	2.034	27.006	0.041345665	0.548958227
1.25	2.994	1.022	1.972	28.978	0.040085375	0.589043602
1.50	2.738	0.910	1.828	30.806	0.037158248	0.626201850
1.75	3.717	1.639	2.078	32.884	0.042240065	0.668441915
2.00	3.153	1.694	1.459	34.343	0.029657486	0.698099400
2.25	3.210	1.378	1.832	36.175	0.037239557	0.735338957
2.50	4.829	1.745	3.084	39.259	0.062689298	0.798028255
2.75	6.077	2.228	3.849	43.108	0.078239659	0.876267913
3.00	5.384	2.313	3.071	46.179	0.062425043	0.938692957
3.25	2.608	1.324	1.284	47.463	0.026100213	0.964793170
3.50	3.379	2.757	0.622	48.085	0.012643561	0.977436731
3.75	2.662	2.242	0.420	48.505	0.008537453	0.985974184
4.00	1.804	1.428	0.376	48.881	0.007643053	0.993617238
PAN	0.964	0.650	0.314	49.195	0.006382762	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

72.018 grams  
49.195 grams  
68.309



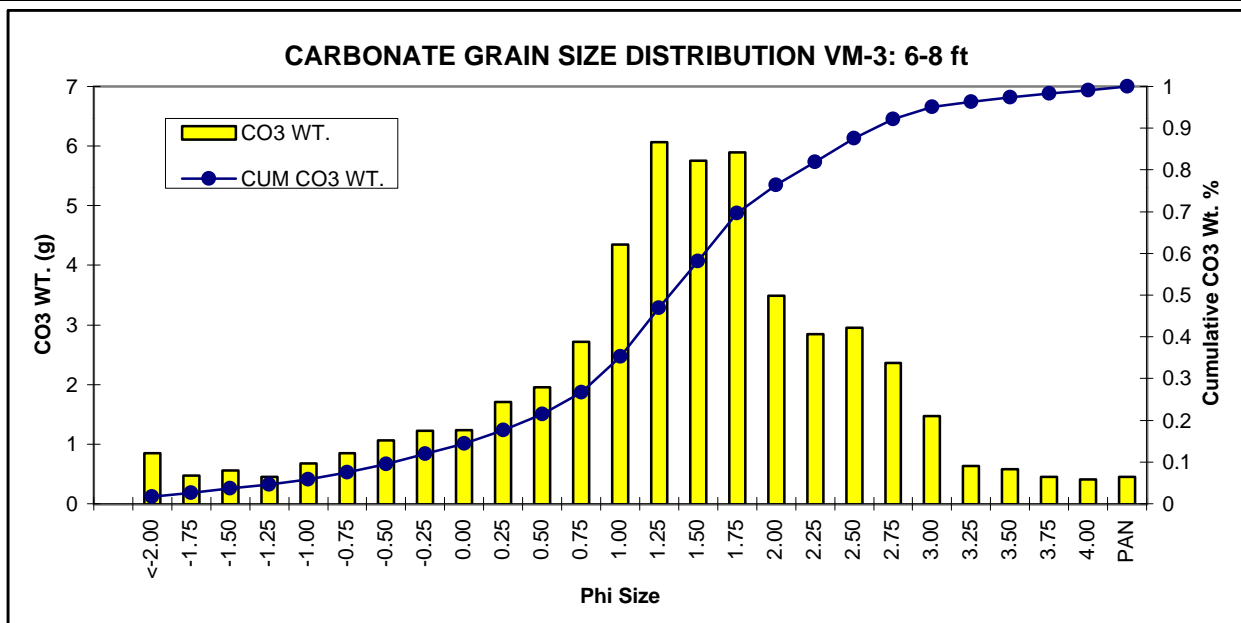
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-3 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.846	0.000	0.846	0.846	0.016435163	0.016435163
-1.75	0.477	0.000	0.477	1.323	0.009266634	0.025701797
-1.50	0.563	0.000	0.563	1.886	0.010937348	0.036639145
-1.25	0.451	0.000	0.451	2.337	0.008761535	0.045400680
-1.00	0.678	0.000	0.678	3.015	0.013171442	0.058572122
-0.75	0.856	0.004	0.852	3.867	0.016551724	0.075123847
-0.50	1.073	0.009	1.064	4.931	0.020670228	0.095794075
-0.25	1.245	0.022	1.223	6.154	0.023759106	0.119553181
0.00	1.255	0.021	1.234	7.388	0.023972802	0.143525983
0.25	1.766	0.054	1.712	9.100	0.033258864	0.176784847
0.50	2.067	0.110	1.957	11.057	0.038018456	0.214803303
0.75	2.922	0.203	2.719	13.776	0.052821758	0.267625061
1.00	4.800	0.450	4.350	18.126	0.084507042	0.352132103
1.25	7.303	1.239	6.064	24.190	0.117804760	0.469936863
1.50	7.814	2.060	5.754	29.944	0.111782419	0.581719281
1.75	9.796	3.904	5.892	35.836	0.114463332	0.696182613
2.00	6.282	2.794	3.488	39.324	0.067761049	0.763943662
2.25	4.444	1.600	2.844	42.168	0.055250121	0.819193783
2.50	4.130	1.181	2.949	45.117	0.057289947	0.876483730
2.75	3.195	0.832	2.363	47.480	0.045905780	0.922389509
3.00	2.107	0.635	1.472	48.952	0.028596406	0.950985915
3.25	0.909	0.278	0.631	49.583	0.012258378	0.963244293
3.50	1.243	0.662	0.581	50.164	0.011287033	0.974531326
3.75	0.904	0.453	0.451	50.615	0.008761535	0.983292861
4.00	0.675	0.267	0.408	51.023	0.007926178	0.991219038
PAN	0.601	0.149	0.452	51.475	0.008780962	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

68.402 grams  
51.475 grams  
75.254



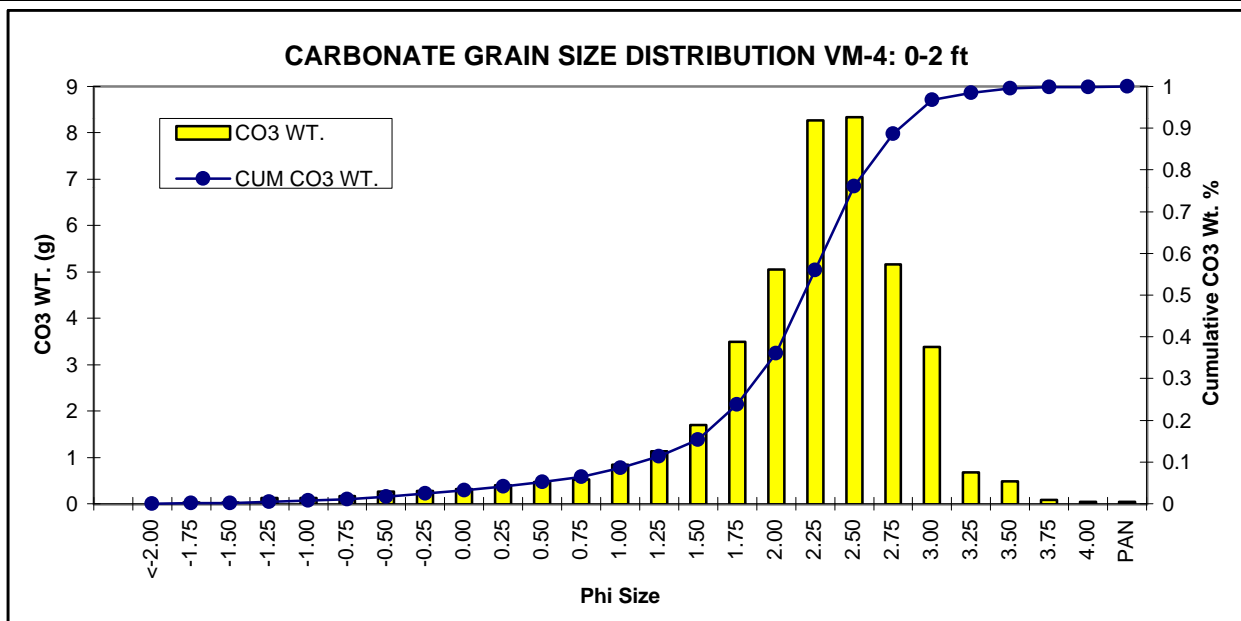
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-4 : 0-2 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	0.032	0.000	0.032	0.032	0.000773171	0.000773171
-1.50	0.026	0.000	0.026	0.058	0.000628201	0.001401372
-1.25	0.122	0.000	0.122	0.180	0.002947714	0.004349087
-1.00	0.122	0.000	0.122	0.302	0.002947714	0.007296801
-0.75	0.164	0.000	0.164	0.466	0.003962501	0.011259302
-0.50	0.260	0.000	0.260	0.726	0.006282014	0.017541316
-0.25	0.272	0.001	0.271	0.997	0.006547792	0.024089108
0.00	0.313	0.001	0.312	1.309	0.007538417	0.031627525
0.25	0.398	0.002	0.396	1.705	0.009567991	0.041195516
0.50	0.473	0.010	0.463	2.168	0.011186817	0.052382333
0.75	0.547	0.021	0.526	2.694	0.012708998	0.065091331
1.00	0.901	0.058	0.843	3.537	0.020368223	0.085459553
1.25	1.249	0.114	1.135	4.672	0.027423408	0.112882961
1.50	1.854	0.155	1.699	6.371	0.041050546	0.153933507
1.75	5.185	1.694	3.491	9.862	0.084348120	0.238281628
2.00	9.970	4.924	5.046	14.908	0.121919397	0.360201024
2.25	12.830	4.562	8.268	23.176	0.199768049	0.559969073
2.50	10.555	2.215	8.340	31.516	0.201507683	0.761476757
2.75	7.322	2.160	5.162	36.678	0.124722142	0.886198898
3.00	5.627	2.247	3.380	40.058	0.081666183	0.967865082
3.25	1.553	0.875	0.678	40.736	0.016381560	0.984246642
3.50	1.391	0.904	0.487	41.223	0.011766696	0.996013337
3.75	0.691	0.605	0.086	41.309	0.002077897	0.998091234
4.00	0.305	0.264	0.041	41.350	0.000990625	0.999081859
PAN	0.152	0.114	0.038	41.388	0.000918141	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

62.314 grams  
41.388 grams  
66.418





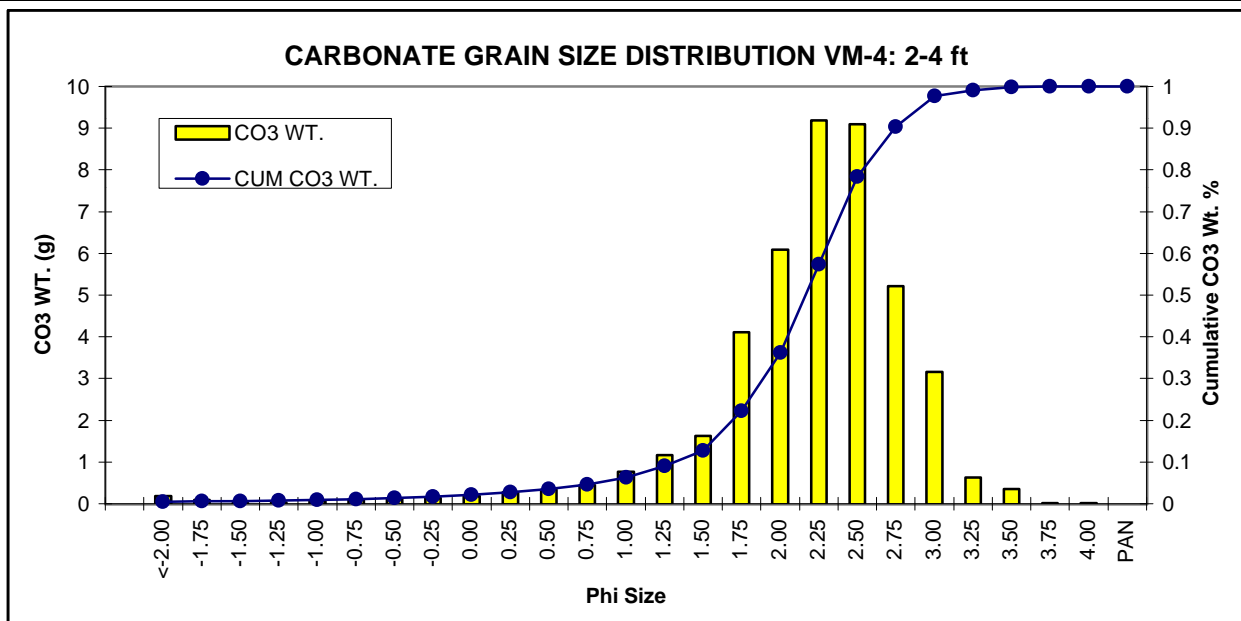
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-4 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.179	0.000	0.179	0.179	0.004125375	0.004125375
-1.75	0.097	0.000	0.097	0.276	0.002235538	0.006360913
-1.50	0.018	0.000	0.018	0.294	0.000414842	0.006775755
-1.25	0.034	0.000	0.034	0.328	0.000783591	0.007559345
-1.00	0.062	0.000	0.062	0.390	0.001428901	0.008988246
-0.75	0.103	0.000	0.103	0.493	0.002373819	0.011362065
-0.50	0.104	0.000	0.104	0.597	0.002396866	0.013758931
-0.25	0.131	0.000	0.131	0.728	0.003019129	0.016778059
0.00	0.191	0.000	0.191	0.919	0.004401936	0.021179995
0.25	0.277	0.000	0.277	1.196	0.006383959	0.027563955
0.50	0.338	0.003	0.335	1.531	0.007720673	0.035284628
0.75	0.451	0.010	0.441	1.972	0.010163632	0.045448260
1.00	0.798	0.033	0.765	2.737	0.017630791	0.063079050
1.25	1.237	0.072	1.165	3.902	0.026849504	0.089928555
1.50	1.779	0.151	1.628	5.530	0.037520166	0.127448721
1.75	6.006	1.892	4.114	9.644	0.094814473	0.222263194
2.00	11.522	5.438	6.084	15.728	0.140216640	0.362479834
2.25	14.527	5.340	9.187	24.915	0.211730814	0.574210648
2.50	11.554	2.461	9.093	34.008	0.209564416	0.783775063
2.75	7.393	2.181	5.212	39.220	0.120119843	0.903894907
3.00	5.366	2.208	3.158	42.378	0.072781747	0.976676654
3.25	1.411	0.789	0.622	43.000	0.014335100	0.991011754
3.50	1.424	1.068	0.356	43.356	0.008204655	0.999216409
3.75	0.593	0.572	0.021	43.377	0.000483982	0.999700392
4.00	0.271	0.262	0.009	43.386	0.000207421	0.999907813
PAN	0.125	0.121	0.004	43.390	0.000092187	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

65.991 grams  
43.390 grams  
65.751



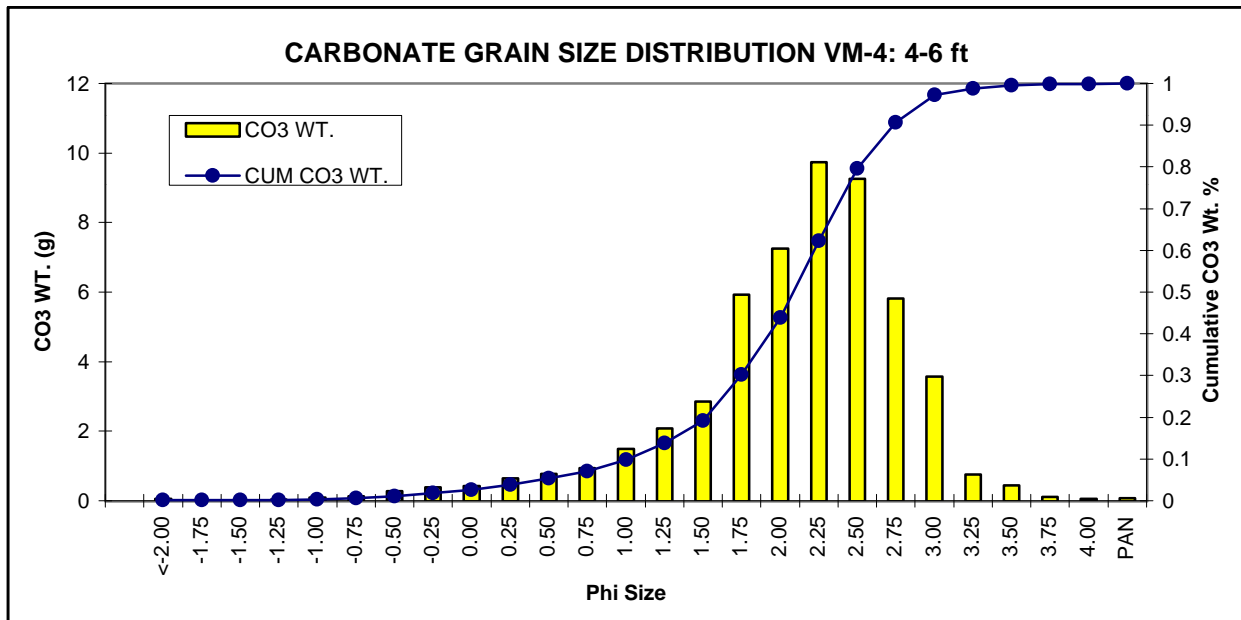
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-4 : 4-6 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	0.001053008	0.001053008
-1.75	0.000	0.000	0.000	0.056	0.000000000	0.001053008
-1.50	0.009	0.000	0.009	0.065	0.000169233	0.001222241
-1.25	0.030	0.000	0.030	0.095	0.000564111	0.001786352
-1.00	0.096	0.000	0.096	0.191	0.001805156	0.003591508
-0.75	0.138	0.000	0.138	0.329	0.002594912	0.006186420
-0.50	0.273	0.000	0.273	0.602	0.005133412	0.011319832
-0.25	0.383	0.005	0.378	0.980	0.007107802	0.018427634
0.00	0.435	0.012	0.423	1.403	0.007953969	0.026381602
0.25	0.649	0.006	0.643	2.046	0.012090784	0.038472387
0.50	0.787	0.018	0.769	2.815	0.014460052	0.052932438
0.75	0.971	0.039	0.932	3.747	0.017525056	0.070457494
1.00	1.586	0.087	1.499	5.246	0.028186758	0.098644253
1.25	2.258	0.173	2.085	7.331	0.039205731	0.137849984
1.50	3.039	0.183	2.856	10.187	0.053703390	0.191553374
1.75	8.370	2.449	5.921	16.108	0.111336756	0.302890130
2.00	13.665	6.407	7.258	23.366	0.136477313	0.439367443
2.25	15.544	5.801	9.743	33.109	0.183204528	0.622571971
2.50	11.942	2.686	9.256	42.365	0.174047122	0.796619093
2.75	8.212	2.395	5.817	48.182	0.109381170	0.906000263
3.00	6.035	2.471	3.564	51.746	0.067016416	0.973016679
3.25	1.685	0.922	0.763	52.509	0.014347229	0.987363908
3.50	1.728	1.284	0.444	52.953	0.008348846	0.995712755
3.75	0.944	0.834	0.110	53.063	0.002068408	0.997781162
4.00	0.486	0.433	0.053	53.116	0.000996597	0.998777759
PAN	0.244	0.179	0.065	53.181	0.001222241	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

79.565 grams  
53.181 grams  
66.840



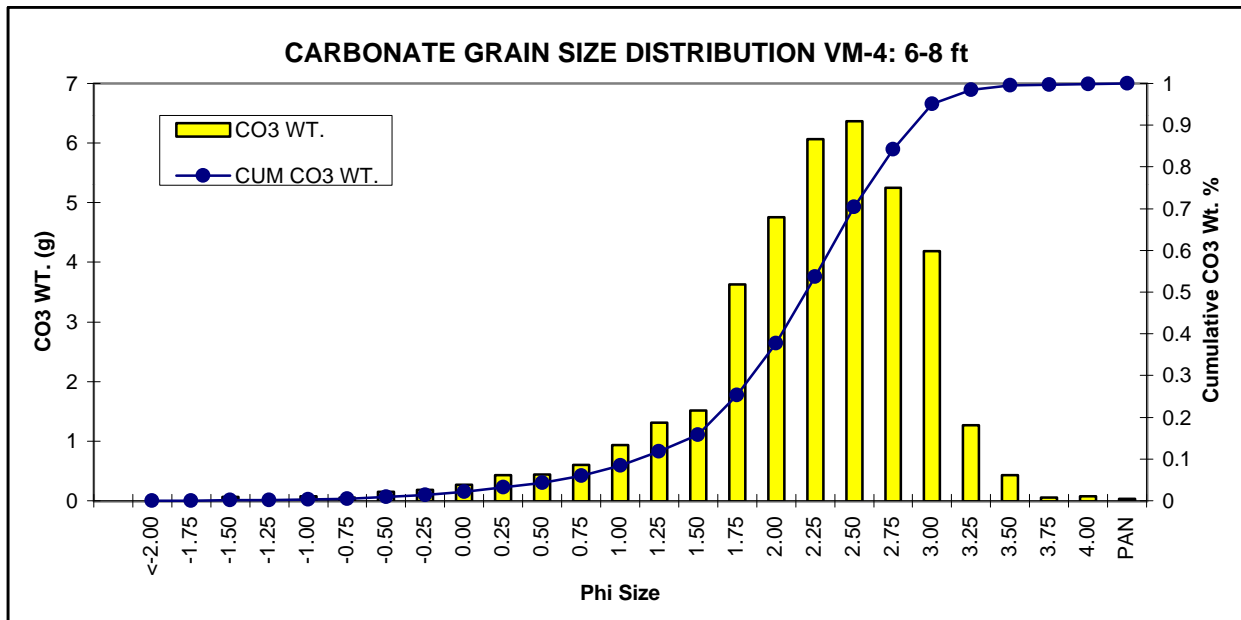
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-4 : 6-8 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	0.060	0.000	0.060	0.060	0.001573317	0.001573317
-1.25	0.003	0.000	0.003	0.063	0.000078666	0.001651982
-1.00	0.070	0.000	0.070	0.133	0.001835536	0.003487518
-0.75	0.058	0.000	0.058	0.191	0.001520873	0.005008391
-0.50	0.155	0.000	0.155	0.346	0.004064401	0.009072792
-0.25	0.180	0.000	0.180	0.526	0.004719950	0.013792742
0.00	0.275	0.002	0.273	0.799	0.007158590	0.020951332
0.25	0.428	0.003	0.425	1.224	0.011144326	0.032095658
0.50	0.448	0.007	0.441	1.665	0.011563877	0.043659534
0.75	0.618	0.018	0.600	2.265	0.015733166	0.059392700
1.00	0.957	0.028	0.929	3.194	0.024360185	0.083752884
1.25	1.378	0.065	1.313	4.507	0.034429411	0.118182295
1.50	1.635	0.117	1.518	6.025	0.039804909	0.157987204
1.75	5.105	1.471	3.634	9.659	0.095290539	0.253277743
2.00	8.340	3.584	4.756	14.415	0.124711559	0.377989301
2.25	9.218	3.153	6.065	20.480	0.159036081	0.537025383
2.50	8.117	1.749	6.368	26.848	0.166981330	0.704006713
2.75	7.491	2.243	5.248	32.096	0.137612754	0.841619467
3.00	7.326	3.135	4.191	36.287	0.109896161	0.951515628
3.25	2.929	1.667	1.262	37.549	0.033092091	0.984607720
3.50	2.330	1.901	0.429	37.978	0.011249213	0.995856933
3.75	0.987	0.937	0.050	38.028	0.001311097	0.997168030
4.00	0.434	0.359	0.075	38.103	0.001966646	0.999134676
PAN	0.196	0.163	0.033	38.136	0.000865324	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

58.738 grams  
38.136 grams  
64.926



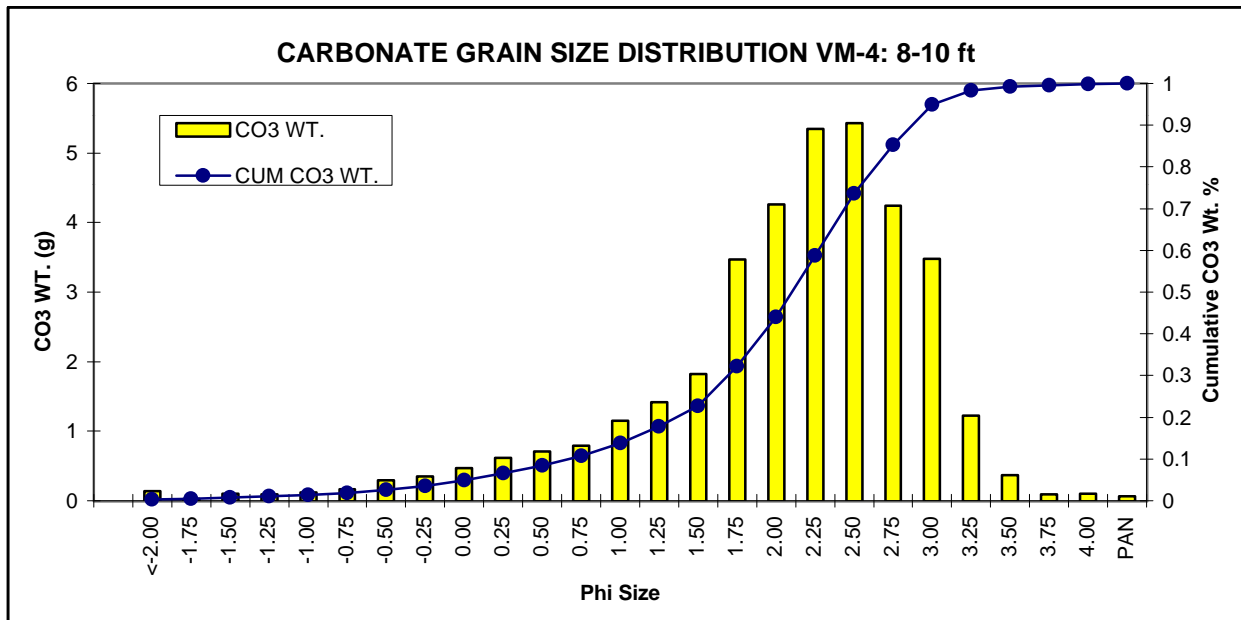
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-4 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.137	0.000	0.137	0.137	0.003769743	0.003769743
-1.75	0.029	0.000	0.029	0.166	0.000797975	0.004567718
-1.50	0.103	0.000	0.103	0.269	0.002834186	0.007401904
-1.25	0.096	0.000	0.096	0.365	0.002641572	0.010043476
-1.00	0.117	0.000	0.117	0.482	0.003219416	0.013262891
-0.75	0.168	0.000	0.168	0.650	0.004622751	0.017885642
-0.50	0.297	0.000	0.297	0.947	0.008172363	0.026058005
-0.25	0.349	0.000	0.349	1.296	0.009603214	0.035661218
0.00	0.476	0.005	0.471	1.767	0.012960211	0.048621430
0.25	0.636	0.021	0.615	2.382	0.016922569	0.065543999
0.50	0.744	0.035	0.709	3.091	0.019509108	0.085053107
0.75	0.829	0.041	0.788	3.879	0.021682901	0.106736008
1.00	1.211	0.058	1.153	5.032	0.031726377	0.138462385
1.25	1.502	0.087	1.415	6.447	0.038935667	0.177398052
1.50	1.955	0.136	1.819	8.266	0.050052281	0.227450333
1.75	4.971	1.505	3.466	11.732	0.095371746	0.322822079
2.00	7.884	3.623	4.261	15.993	0.117247262	0.440069341
2.25	8.319	2.972	5.347	21.340	0.147130042	0.587199384
2.50	6.902	1.476	5.426	26.766	0.149303836	0.736503219
2.75	5.999	1.760	4.239	31.005	0.116641902	0.853145121
3.00	5.932	2.455	3.477	34.482	0.095674426	0.948819548
3.25	2.579	1.356	1.223	35.705	0.033652523	0.982472071
3.50	2.286	1.915	0.371	36.076	0.010208574	0.992680645
3.75	1.284	1.188	0.096	36.172	0.002641572	0.995322217
4.00	0.618	0.515	0.103	36.275	0.002834186	0.998156403
PAN	0.300	0.233	0.067	36.342	0.001843597	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

55.723 grams  
36.342 grams  
65.219



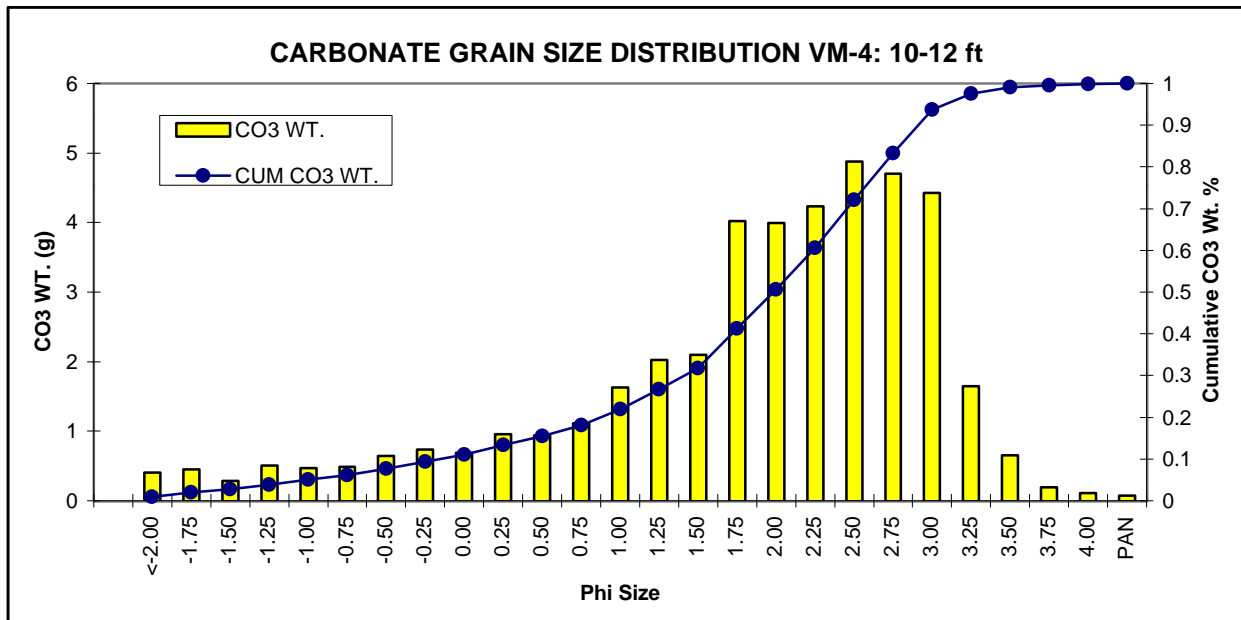
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-4 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.406	0.000	0.406	0.406	0.009580217	0.009580217
-1.75	0.450	0.000	0.450	0.856	0.010618467	0.020198683
-1.50	0.288	0.000	0.288	1.144	0.006795819	0.026994502
-1.25	0.505	0.000	0.505	1.649	0.011916279	0.038910781
-1.00	0.472	0.000	0.472	2.121	0.011137592	0.050048373
-0.75	0.486	0.000	0.486	2.607	0.011467944	0.061516317
-0.50	0.645	0.000	0.645	3.252	0.015219802	0.076736119
-0.25	0.746	0.010	0.736	3.988	0.017367092	0.094103211
0.00	0.687	0.000	0.687	4.675	0.016210859	0.110314071
0.25	0.963	0.003	0.960	5.635	0.022652729	0.132966800
0.50	0.962	0.019	0.943	6.578	0.022251587	0.155218386
0.75	1.146	0.034	1.112	7.690	0.026239411	0.181457797
1.00	1.687	0.062	1.625	9.315	0.038344463	0.219802261
1.25	2.142	0.117	2.025	11.340	0.047783100	0.267585361
1.50	2.293	0.196	2.097	13.437	0.049482055	0.317067415
1.75	5.424	1.403	4.021	17.458	0.094881899	0.411949315
2.00	6.588	2.590	3.998	21.456	0.094339177	0.506288492
2.25	6.501	2.270	4.231	25.687	0.099837184	0.606125675
2.50	6.262	1.384	4.878	30.565	0.115104179	0.721229854
2.75	6.331	1.632	4.699	35.264	0.110880389	0.832110243
3.00	7.102	2.674	4.428	39.692	0.104485712	0.936595956
3.25	3.576	1.926	1.650	41.342	0.038934378	0.975530333
3.50	2.902	2.245	0.657	41.999	0.015502961	0.991033295
3.75	1.741	1.550	0.191	42.190	0.004506949	0.995540244
4.00	0.736	0.621	0.115	42.305	0.002713608	0.998253852
PAN	0.296	0.222	0.074	42.379	0.001746148	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

61.337 grams  
42.379 grams  
69.092

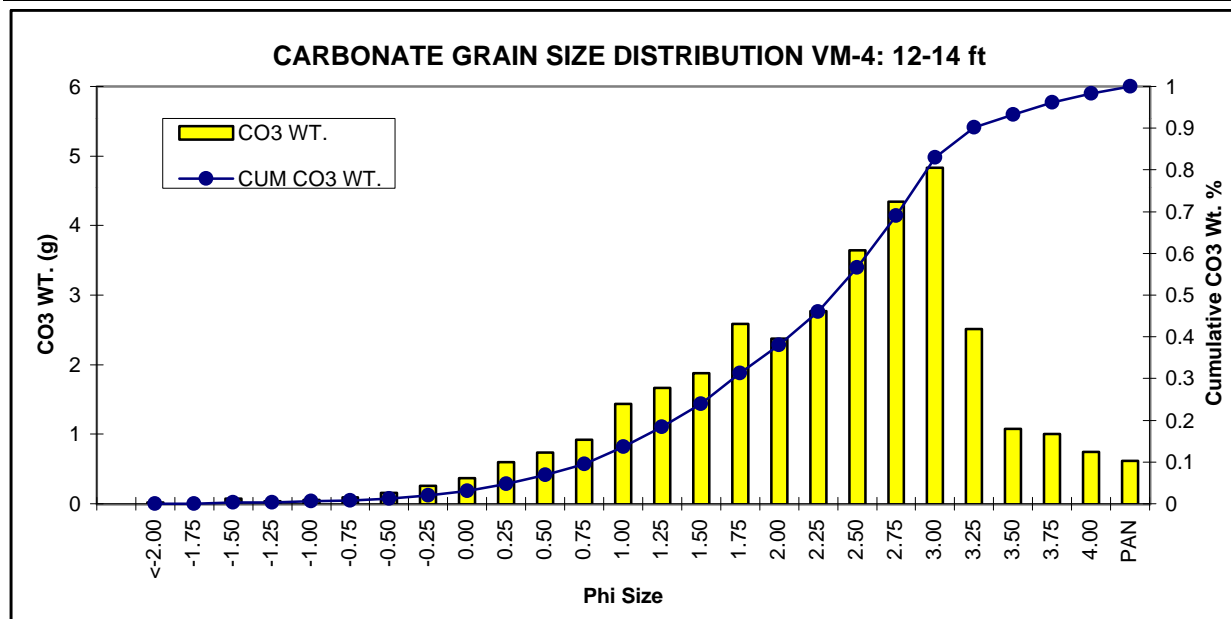


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-4 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.017	0.000	0.017	0.017	0.000488702	0.000488702
-1.75	0.000	0.000	0.000	0.017	0.000000000	0.000488702
-1.50	0.077	0.000	0.077	0.094	0.002213534	0.002702237
-1.25	0.036	0.000	0.036	0.130	0.001034899	0.003737136
-1.00	0.057	0.000	0.057	0.187	0.001638590	0.005375726
-0.75	0.095	0.000	0.095	0.282	0.002730984	0.008106710
-0.50	0.158	0.000	0.158	0.440	0.004542057	0.012648767
-0.25	0.268	0.006	0.262	0.702	0.007531766	0.020180532
0.00	0.371	0.000	0.371	1.073	0.010665210	0.030845743
0.25	0.598	0.003	0.595	1.668	0.017104582	0.047950325
0.50	0.740	0.008	0.732	2.400	0.021042948	0.068993273
0.75	0.948	0.024	0.924	3.324	0.026562410	0.095555683
1.00	1.470	0.032	1.438	4.762	0.041338469	0.136894153
1.25	1.726	0.063	1.663	6.425	0.047806589	0.184700742
1.50	1.940	0.067	1.873	8.298	0.053843500	0.238544242
1.75	2.890	0.307	2.583	10.881	0.074254010	0.312798252
2.00	3.094	0.720	2.374	13.255	0.068245846	0.381044098
2.25	3.577	0.809	2.768	16.023	0.079572242	0.460616340
2.50	4.495	0.849	3.646	19.669	0.104812281	0.565428621
2.75	5.744	1.404	4.340	24.009	0.124762836	0.690191456
3.00	7.504	2.674	4.830	28.839	0.138848962	0.829040419
3.25	4.734	2.224	2.510	31.349	0.072155465	0.901195883
3.50	5.743	4.665	1.078	32.427	0.030989479	0.932185362
3.75	6.588	5.586	1.002	33.429	0.028804692	0.960990053
4.00	4.518	3.774	0.744	34.173	0.021387915	0.982377968
PAN	2.263	1.650	0.613	34.786	0.017622032	1.0

TOTAL WT.	59.651	grams
CO3 WT	34.786	grams
% CARBONATE	58.316	



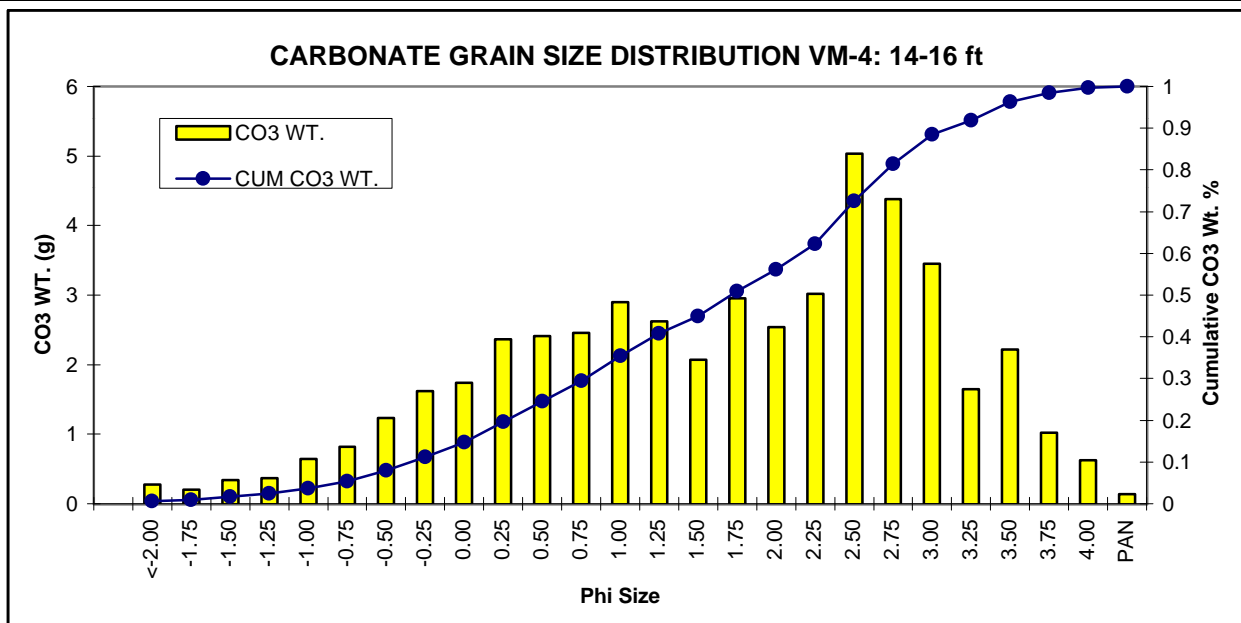
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-4 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.278	0.000	0.278	0.278	0.005663991	0.005663991
-1.75	0.200	0.000	0.200	0.478	0.004074814	0.009738804
-1.50	0.345	0.000	0.345	0.823	0.007029053	0.016767858
-1.25	0.368	0.000	0.368	1.191	0.007497657	0.024265515
-1.00	0.640	0.000	0.640	1.831	0.013039403	0.037304918
-0.75	0.823	0.000	0.823	2.654	0.016767858	0.054072776
-0.50	1.234	0.000	1.234	3.888	0.025141600	0.079214376
-0.25	1.632	0.012	1.620	5.508	0.033005990	0.112220366
0.00	1.752	0.012	1.740	7.248	0.035450878	0.147671244
0.25	2.415	0.051	2.364	9.612	0.048164296	0.195835541
0.50	2.480	0.070	2.410	12.022	0.049101504	0.244937044
0.75	2.584	0.130	2.454	14.476	0.049997963	0.294935007
1.00	3.090	0.191	2.899	17.375	0.059064423	0.353999430
1.25	2.853	0.229	2.624	19.999	0.053461554	0.407460984
1.50	2.234	0.165	2.069	22.068	0.042153946	0.449614930
1.75	3.401	0.444	2.957	25.025	0.060246119	0.509861049
2.00	3.161	0.618	2.543	27.568	0.051811255	0.561672303
2.25	3.595	0.574	3.021	30.589	0.061550059	0.623222363
2.50	5.470	0.440	5.030	35.619	0.102481561	0.725703924
2.75	5.112	0.735	4.377	39.996	0.089177295	0.814881219
3.00	5.137	1.690	3.447	43.443	0.070229412	0.885110631
3.25	3.149	1.502	1.647	45.090	0.033556090	0.918666721
3.50	2.216	0.000	2.216	47.306	0.045148934	0.963815655
3.75	1.019	0.000	1.019	48.325	0.020761175	0.984576831
4.00	0.622	0.000	0.622	48.947	0.012672670	0.997249501
PAN	0.135	0.000	0.135	49.082	0.002750499	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

55.945 grams  
49.082 grams  
87.733

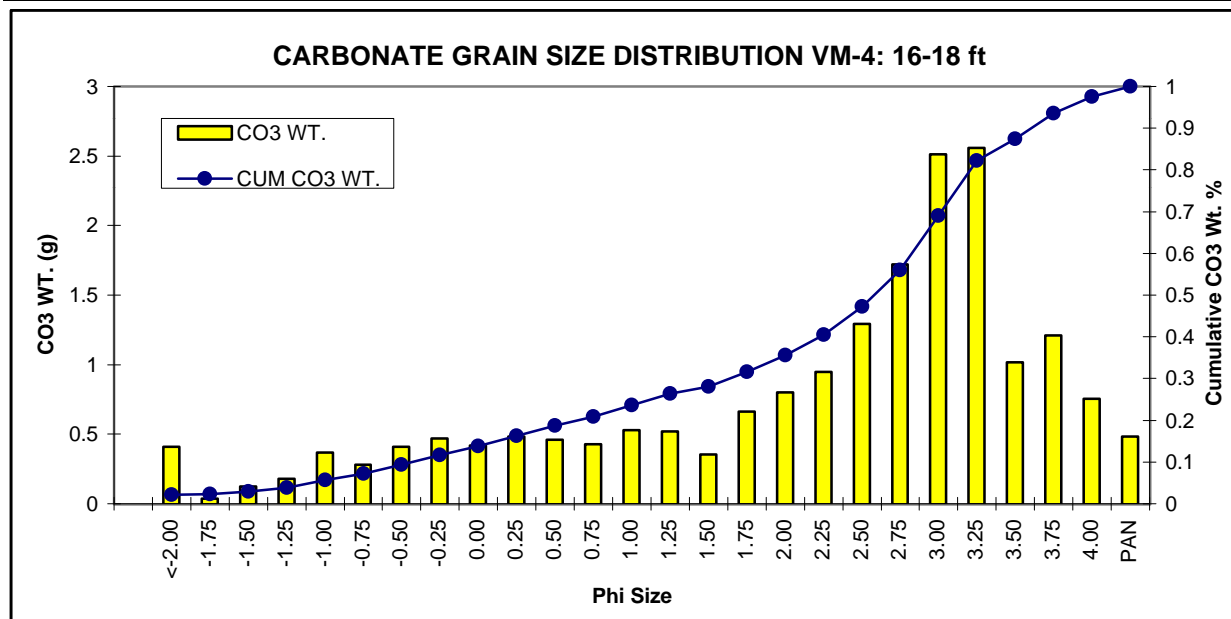


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-4 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.409	0.000	0.409	0.409	0.021059678	0.021059678
-1.75	0.036	0.000	0.036	0.445	0.001853664	0.022913341
-1.50	0.125	0.000	0.125	0.570	0.006436332	0.029349673
-1.25	0.179	0.000	0.179	0.749	0.009216827	0.038566500
-1.00	0.368	0.000	0.368	1.117	0.018948561	0.057515061
-0.75	0.279	0.000	0.279	1.396	0.014365893	0.071880954
-0.50	0.409	0.001	0.408	1.804	0.021008187	0.092889141
-0.25	0.475	0.005	0.470	2.274	0.024200608	0.117089748
0.00	0.424	0.007	0.417	2.691	0.021471603	0.138561351
0.25	0.490	0.009	0.481	3.172	0.024767005	0.163328356
0.50	0.476	0.018	0.458	3.630	0.023582720	0.186911076
0.75	0.466	0.036	0.430	4.060	0.022140981	0.209052057
1.00	0.568	0.040	0.528	4.588	0.027187066	0.236239123
1.25	0.587	0.065	0.522	5.110	0.026878122	0.263117244
1.50	0.400	0.047	0.353	5.463	0.018176201	0.281293445
1.75	0.819	0.156	0.663	6.126	0.034138304	0.315431749
2.00	1.084	0.285	0.799	6.925	0.041141033	0.356572782
2.25	1.253	0.307	0.946	7.871	0.048710159	0.405282941
2.50	1.577	0.285	1.292	9.163	0.066525926	0.471808867
2.75	2.270	0.547	1.723	10.886	0.088718398	0.560527264
3.00	3.952	1.442	2.510	13.396	0.129241543	0.689768807
3.25	4.789	2.232	2.557	15.953	0.131661603	0.821430410
3.50	7.458	6.441	1.017	16.970	0.052365996	0.873796406
3.75	8.937	7.725	1.212	18.182	0.062406673	0.936203079
4.00	6.074	5.318	0.756	18.938	0.038926935	0.975130014
PAN	2.249	1.766	0.483	19.421	0.024869986	1.0

<b>TOTAL WT.</b>	46.153	grams
<b>CO3 WT</b>	19.421	grams
<b>% CARBONATE</b>	42.080	





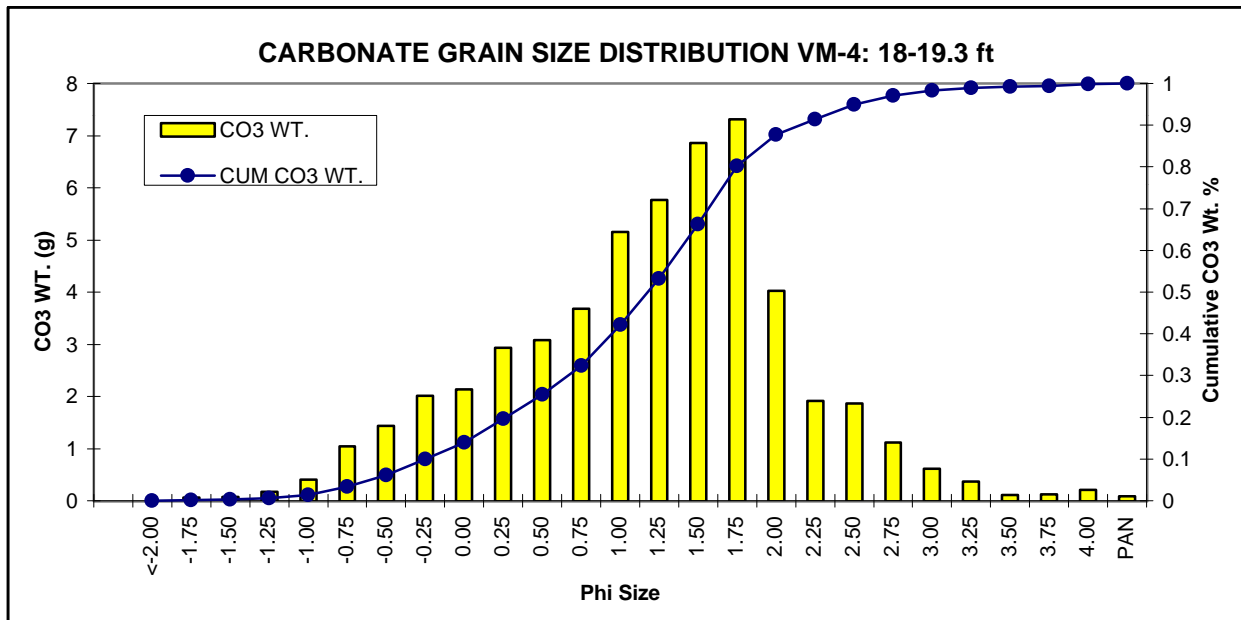
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VM-4 : 18-19.3 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	0.062	0.000	0.062	0.062	0.001179066	0.001179066
-1.50	0.078	0.000	0.078	0.140	0.001483341	0.002662407
-1.25	0.175	0.000	0.175	0.315	0.003328009	0.005990415
-1.00	0.409	0.000	0.409	0.724	0.007778031	0.013768447
-0.75	1.039	0.000	1.039	1.763	0.019758862	0.033527309
-0.50	1.434	0.000	1.434	3.197	0.027270653	0.060797961
-0.25	2.017	0.000	2.017	5.214	0.038357675	0.099155637
0.00	2.138	0.001	2.137	7.351	0.040639738	0.139795375
0.25	2.937	0.004	2.933	10.284	0.055777423	0.195572798
0.50	3.079	0.005	3.074	13.358	0.058458847	0.254031645
0.75	3.703	0.021	3.682	17.040	0.070021299	0.324052944
1.00	5.275	0.117	5.158	22.198	0.098090674	0.422143618
1.25	6.350	0.582	5.768	27.966	0.109691161	0.531834779
1.50	8.013	1.148	6.865	34.831	0.130553020	0.662387799
1.75	10.152	2.833	7.319	42.150	0.139186825	0.801574623
2.00	6.694	2.674	4.020	46.170	0.076449110	0.878023733
2.25	3.269	1.353	1.916	48.086	0.036436939	0.914460672
2.50	2.263	0.393	1.870	49.956	0.035562148	0.950022821
2.75	1.237	0.120	1.117	51.073	0.021242203	0.971265024
3.00	0.735	0.118	0.617	51.690	0.011733607	0.982998631
3.25	0.454	0.092	0.362	52.052	0.006884223	0.989882854
3.50	0.382	0.272	0.110	52.162	0.002091891	0.991974745
3.75	0.315	0.189	0.126	52.288	0.002396166	0.994370911
4.00	0.326	0.121	0.205	52.493	0.003898524	0.998269436
PAN	0.091	0.000	0.091	52.584	0.001730564	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

62.627 grams  
52.584 grams  
83.964

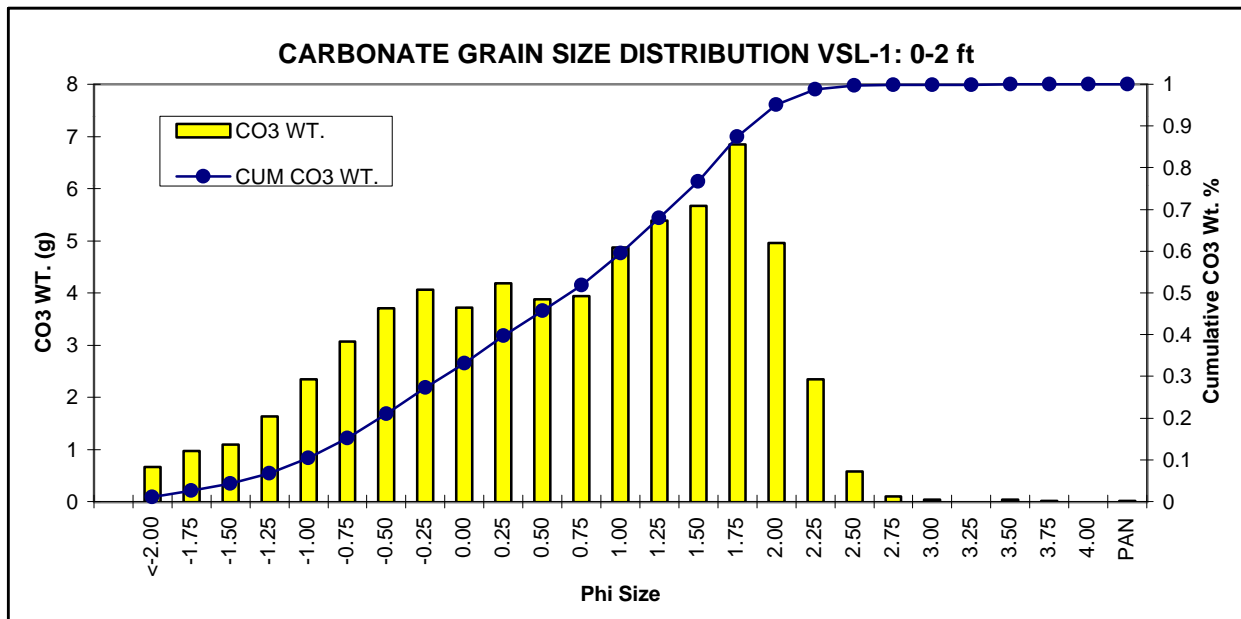


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-1 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.665	0.000	0.665	0.665	0.010370370	0.010370370
-1.75	0.970	0.000	0.970	1.635	0.015126706	0.025497076
-1.50	1.086	0.000	1.086	2.721	0.016935673	0.042432749
-1.25	1.635	0.000	1.635	4.356	0.025497076	0.067929825
-1.00	2.347	0.000	2.347	6.703	0.036600390	0.104530214
-0.75	3.071	0.000	3.071	9.774	0.047890838	0.152421053
-0.50	3.701	0.000	3.701	13.475	0.057715400	0.210136452
-0.25	4.063	0.000	4.063	17.538	0.063360624	0.273497076
0.00	3.719	0.000	3.719	21.257	0.057996101	0.331493177
0.25	4.189	0.000	4.189	25.446	0.065325536	0.396818713
0.50	3.887	0.012	3.875	29.321	0.060428850	0.457247563
0.75	4.004	0.061	3.943	33.264	0.061489279	0.518736842
1.00	5.131	0.265	4.866	38.130	0.075883041	0.594619883
1.25	6.403	1.011	5.392	43.522	0.084085770	0.678705653
1.50	7.525	1.857	5.668	49.190	0.088389864	0.767095517
1.75	10.454	3.607	6.847	56.037	0.106775828	0.873871345
2.00	6.462	1.499	4.963	61.000	0.077395712	0.951267057
2.25	2.832	0.483	2.349	63.349	0.036631579	0.987898635
2.50	0.685	0.114	0.571	63.920	0.008904483	0.996803119
2.75	0.147	0.043	0.104	64.024	0.001621832	0.998424951
3.00	0.084	0.052	0.032	64.056	0.000499025	0.998923977
3.25	0.050	0.046	0.004	64.060	0.000062378	0.998986355
3.50	0.196	0.162	0.034	64.094	0.000530214	0.999516569
3.75	0.174	0.165	0.009	64.103	0.000140351	0.999656920
4.00	0.106	0.101	0.005	64.108	0.000077973	0.999734893
PAN	0.061	0.044	0.017	64.125	0.000265107	1.0

<b>TOTAL WT.</b>	73.647	grams
<b>CO3 WT</b>	64.125	grams
<b>% CARBONATE</b>	87.071	



# CARBONATE GRAIN SIZE DISTRIBUTION

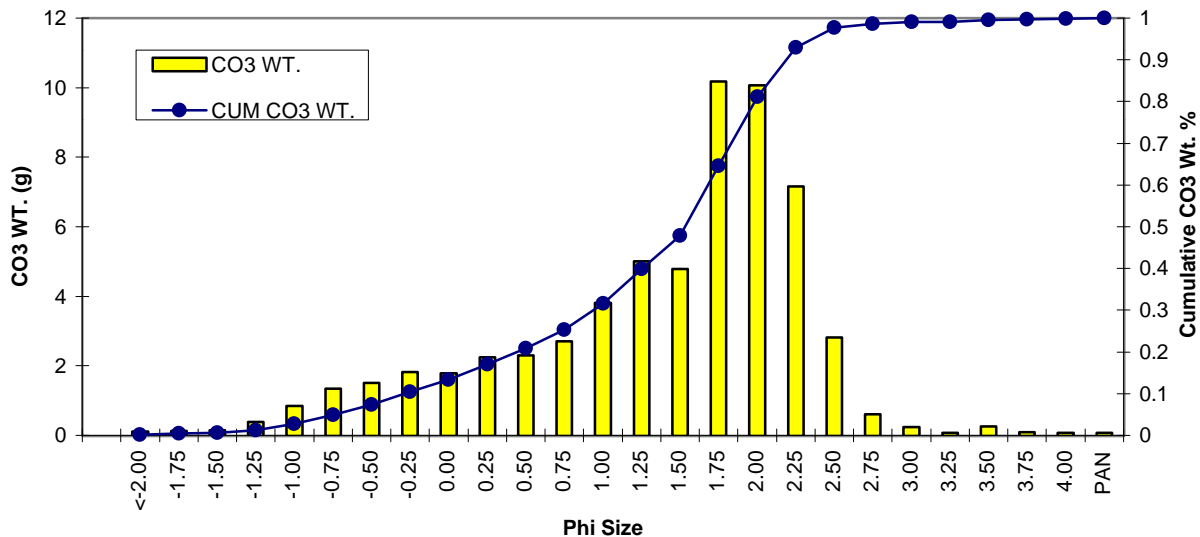
## CORE VSL-1 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.114	0.000	0.114	0.114	0.001881716	0.001881716
-1.75	0.127	0.000	0.127	0.241	0.002096298	0.003978014
-1.50	0.148	0.000	0.148	0.389	0.002442930	0.006420943
-1.25	0.391	0.000	0.391	0.780	0.006453956	0.012874899
-1.00	0.853	0.000	0.853	1.633	0.014079857	0.026954756
-0.75	1.337	0.000	1.337	2.970	0.022068897	0.049023654
-0.50	1.517	0.000	1.517	4.487	0.025040028	0.074063681
-0.25	1.817	0.000	1.817	6.304	0.029991912	0.104055593
0.00	1.779	0.000	1.779	8.083	0.029364673	0.133420266
0.25	2.251	0.000	2.251	10.334	0.037155638	0.170575904
0.50	2.304	0.001	2.303	12.637	0.038013964	0.208589868
0.75	2.727	0.014	2.713	15.350	0.044781539	0.253371408
1.00	3.910	0.095	3.815	19.165	0.062971461	0.316342868
1.25	5.599	0.589	5.010	24.175	0.082696466	0.399039334
1.50	6.582	1.805	4.777	28.952	0.078850503	0.477889837
1.75	16.037	5.859	10.178	39.130	0.168000924	0.645890761
2.00	14.119	4.057	10.062	49.192	0.166086196	0.811976957
2.25	8.591	1.440	7.151	56.343	0.118036413	0.930013370
2.50	3.128	0.310	2.818	59.161	0.046514699	0.976528069
2.75	0.688	0.088	0.600	59.761	0.009903768	0.986431837
3.00	0.361	0.123	0.238	59.999	0.003928495	0.990360332
3.25	0.231	0.160	0.071	60.070	0.001171946	0.991532278
3.50	0.995	0.730	0.265	60.335	0.004374164	0.995906442
3.75	1.115	1.018	0.097	60.432	0.001601109	0.997507552
4.00	0.552	0.477	0.075	60.507	0.001237971	0.998745523
PAN	0.210	0.134	0.076	60.583	0.001254477	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

77.483 grams  
60.583 grams  
78.189

CARBONATE GRAIN SIZE DISTRIBUTION VSL-1: 2-4 ft

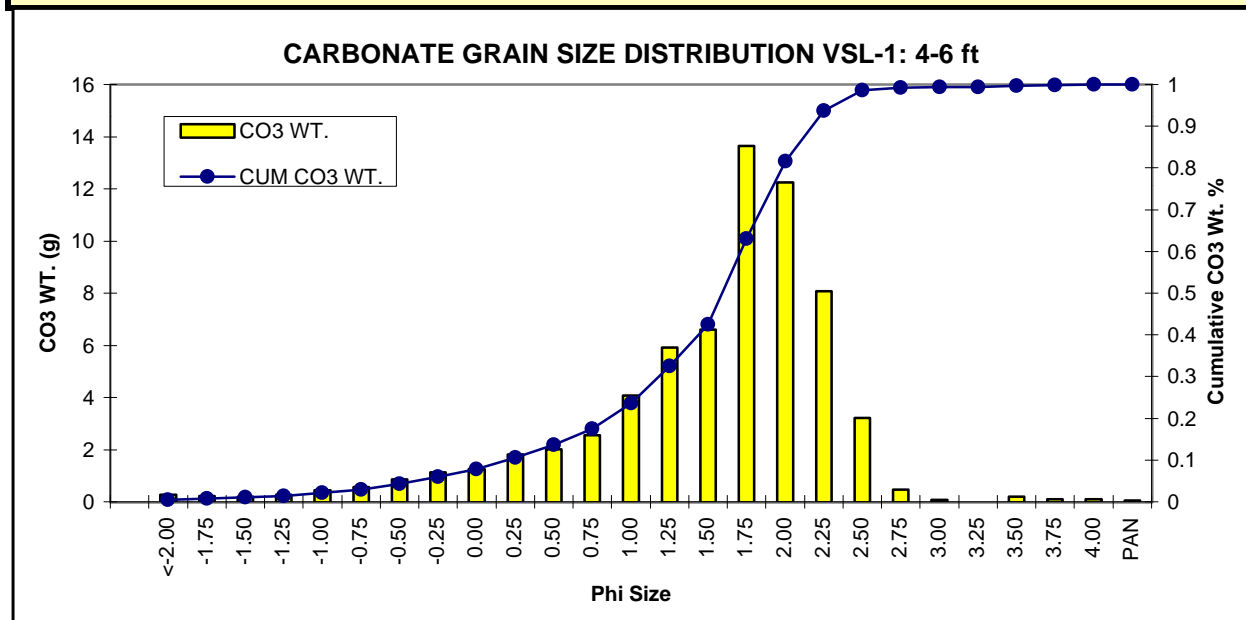


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-1 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.265	0.000	0.265	0.265	0.003995718	0.003995718
-1.75	0.222	0.000	0.222	0.487	0.003347356	0.007343074
-1.50	0.197	0.000	0.197	0.684	0.002970402	0.010313475
-1.25	0.281	0.000	0.281	0.965	0.004236969	0.014550444
-1.00	0.440	0.000	0.440	1.405	0.006634399	0.021184843
-0.75	0.556	0.000	0.556	1.961	0.008383468	0.029568312
-0.50	0.867	0.000	0.867	2.828	0.013072782	0.042641094
-0.25	1.128	0.000	1.128	3.956	0.017008187	0.059649282
0.00	1.243	0.000	1.243	5.199	0.018742178	0.078391460
0.25	1.815	0.000	1.815	7.014	0.027366897	0.105758357
0.50	2.010	0.000	2.010	9.024	0.030307143	0.136065500
0.75	2.576	0.012	2.564	11.588	0.038660454	0.174725954
1.00	4.178	0.106	4.072	15.660	0.061398350	0.236124305
1.25	6.628	0.718	5.910	21.570	0.089112046	0.325236350
1.50	8.946	2.338	6.608	28.178	0.099636616	0.424872966
1.75	21.051	7.396	13.655	41.833	0.205892553	0.630765519
2.00	18.184	5.940	12.244	54.077	0.184617240	0.815382760
2.25	10.489	2.426	8.063	62.140	0.121575368	0.936958128
2.50	4.012	0.788	3.224	65.364	0.048612053	0.985570181
2.75	0.796	0.340	0.456	65.820	0.006875650	0.992445832
3.00	0.316	0.251	0.065	65.885	0.000980082	0.993425913
3.25	0.168	0.166	0.002	65.887	0.000030156	0.993456070
3.50	0.826	0.627	0.199	66.086	0.003000558	0.996456628
3.75	0.995	0.907	0.088	66.174	0.001326880	0.997783507
4.00	0.574	0.472	0.102	66.276	0.001537974	0.999321482
PAN	0.183	0.138	0.045	66.321	0.000678518	1.0

TOTAL WT.	88.946	grams
CO3 WT	66.321	grams
% CARBONATE	74.563	

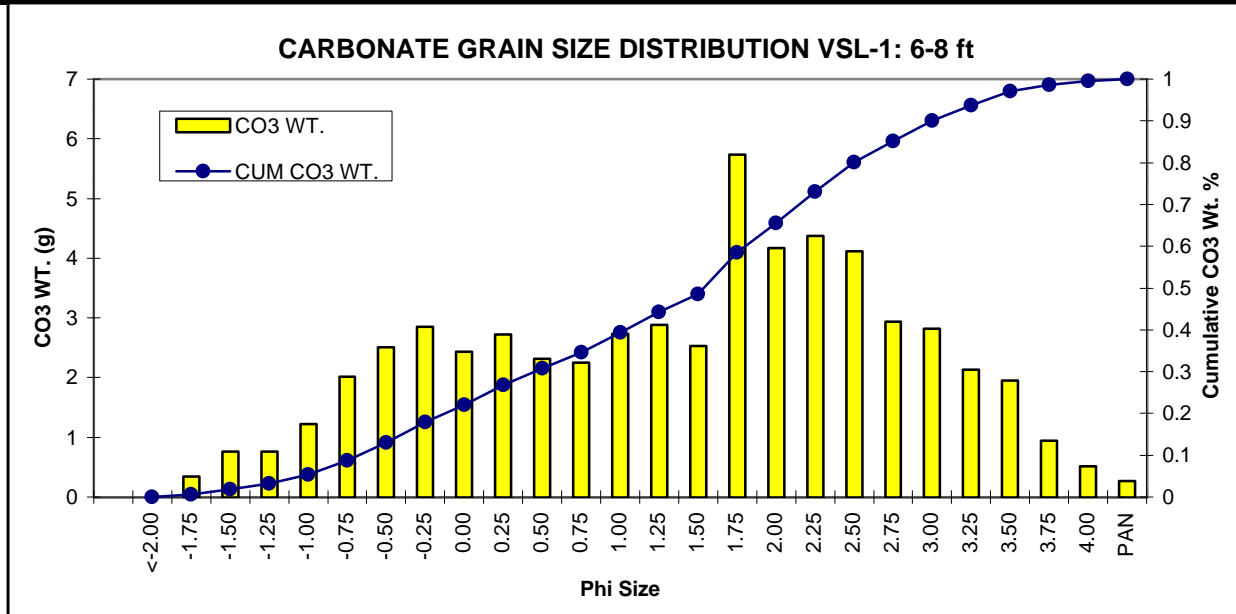


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-1 : 6-8 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	0.348	0.000	0.348	0.348	0.005969330	0.005969330
-1.50	0.761	0.000	0.761	1.109	0.013053621	0.019022951
-1.25	0.756	0.000	0.756	1.865	0.012967855	0.031990806
-1.00	1.224	0.000	1.224	3.089	0.020995574	0.052986380
-0.75	2.017	0.000	2.017	5.106	0.034598099	0.087584480
-0.50	2.505	0.000	2.505	7.611	0.042968884	0.130553364
-0.25	2.855	0.000	2.855	10.466	0.048972520	0.179525884
0.00	2.432	0.000	2.432	12.898	0.041716697	0.221242581
0.25	2.723	0.003	2.720	15.618	0.046656832	0.267899413
0.50	2.313	0.001	2.312	17.930	0.039658307	0.307557721
0.75	2.260	0.007	2.253	20.183	0.038646266	0.346203986
1.00	2.778	0.041	2.737	22.920	0.046948437	0.393152424
1.25	3.116	0.232	2.884	25.804	0.049469965	0.442622388
1.50	3.062	0.533	2.529	28.333	0.043380562	0.486002950
1.75	7.541	1.808	5.733	34.066	0.098339566	0.584342516
2.00	5.977	1.807	4.170	38.236	0.071529040	0.655871556
2.25	5.617	1.238	4.379	42.615	0.075114069	0.730985626
2.50	4.784	0.667	4.117	46.732	0.070619918	0.801605544
2.75	3.516	0.580	2.936	49.668	0.050361934	0.851967477
3.00	4.073	1.251	2.822	52.490	0.048406463	0.900373941
3.25	3.586	1.456	2.130	54.620	0.036536416	0.936910357
3.50	9.536	7.582	1.954	56.574	0.033517445	0.970427802
3.75	9.475	8.536	0.939	57.513	0.016106899	0.986534701
4.00	5.366	4.847	0.519	58.032	0.008902535	0.995437236
PAN	1.771	1.505	0.266	58.298	0.004562764	1.0

<b>TOTAL WT.</b>	90.392	grams
<b>CO3 WT</b>	58.298	grams
<b>% CARBONATE</b>	64.495	



# CARBONATE GRAIN SIZE DISTRIBUTION

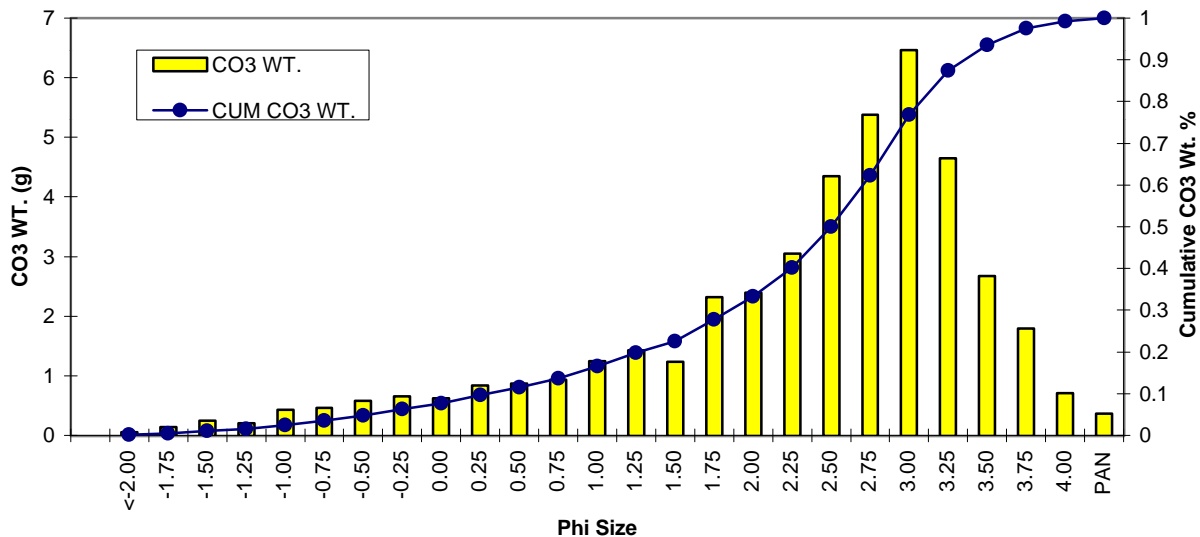
## CORE VSL-1 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.058	0.000	0.058	0.058	0.001315819	0.001315819
-1.75	0.142	0.000	0.142	0.200	0.003221489	0.004537308
-1.50	0.244	0.000	0.244	0.444	0.005535516	0.010072824
-1.25	0.200	0.000	0.200	0.644	0.004537308	0.014610132
-1.00	0.425	0.000	0.425	1.069	0.009641780	0.024251911
-0.75	0.459	0.000	0.459	1.528	0.010413122	0.034665033
-0.50	0.576	0.000	0.576	2.104	0.013067447	0.047732480
-0.25	0.657	0.000	0.657	2.761	0.014905057	0.062637537
0.00	0.626	0.000	0.626	3.387	0.014201774	0.076839311
0.25	0.843	0.002	0.841	4.228	0.019079380	0.095918691
0.50	0.868	0.003	0.865	5.093	0.019623857	0.115542549
0.75	0.938	0.008	0.930	6.023	0.021098482	0.136641031
1.00	1.268	0.018	1.250	7.273	0.028358175	0.164999206
1.25	1.501	0.078	1.423	8.696	0.032282947	0.197282152
1.50	1.387	0.150	1.237	9.933	0.028063250	0.225345403
1.75	2.907	0.591	2.316	12.249	0.052542027	0.277887429
2.00	3.130	0.740	2.390	14.639	0.054220831	0.332108260
2.25	3.648	0.600	3.048	17.687	0.069148574	0.401256834
2.50	4.914	0.561	4.353	22.040	0.098754509	0.500011343
2.75	6.330	0.955	5.375	27.415	0.121940153	0.621951496
3.00	9.575	3.109	6.466	33.881	0.146691168	0.768642664
3.25	7.762	3.110	4.652	38.533	0.105537784	0.874180449
3.50	14.299	11.626	2.673	41.206	0.060641122	0.934821570
3.75	12.240	10.443	1.797	43.003	0.040767713	0.975589283
4.00	7.458	6.745	0.713	43.716	0.016175503	0.991764786
PAN	2.730	2.367	0.363	44.079	0.008235214	1.0

**TOTAL WT.**  
**CO3 WT**  
**% CARBONATE**

85.185      grams  
44.079      grams  
51.745

**CARBONATE GRAIN SIZE DISTRIBUTION VSL-1: 8-10 ft**



# CARBONATE GRAIN SIZE DISTRIBUTION

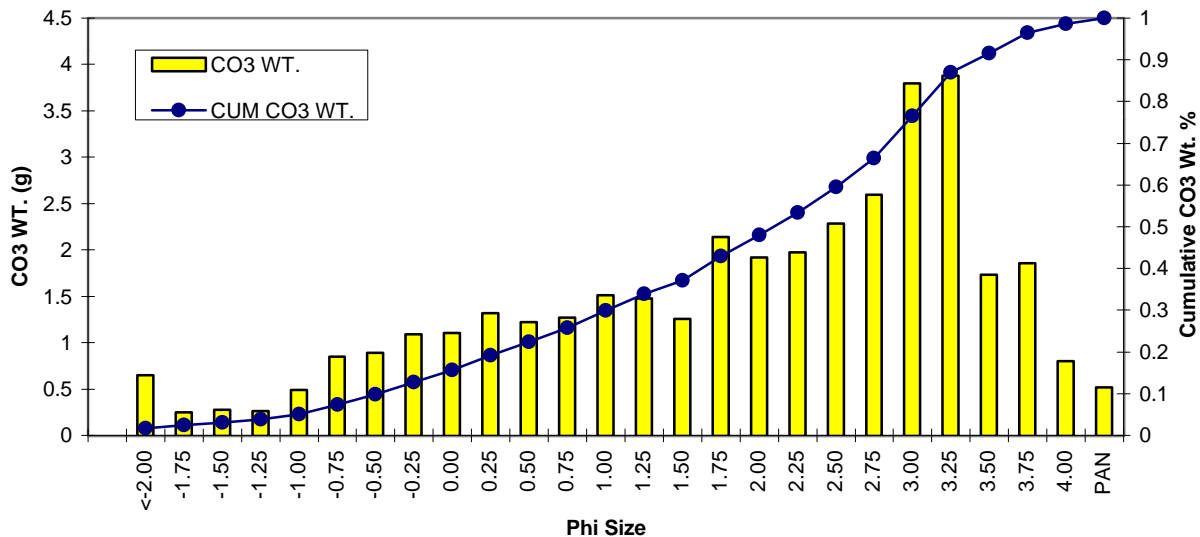
## CORE VSL-1 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.647	0.000	0.647	0.647	0.017307795	0.017307795
-1.75	0.247	0.000	0.247	0.894	0.006607458	0.023915253
-1.50	0.276	0.000	0.276	1.170	0.007383233	0.031298486
-1.25	0.259	0.000	0.259	1.429	0.006928468	0.038226954
-1.00	0.491	0.000	0.491	1.920	0.013134664	0.051361618
-0.75	0.850	0.000	0.850	2.770	0.022738216	0.074099834
-0.50	0.888	0.000	0.888	3.658	0.023754748	0.097854582
-0.25	1.089	0.000	1.089	4.747	0.029131668	0.126986250
0.00	1.104	0.003	1.101	5.848	0.029452678	0.156438928
0.25	1.319	0.000	1.319	7.167	0.035284361	0.191723289
0.50	1.221	0.000	1.221	8.388	0.032662779	0.224386068
0.75	1.275	0.007	1.268	9.656	0.033920068	0.258306137
1.00	1.536	0.022	1.514	11.170	0.040500776	0.298806912
1.25	1.584	0.106	1.478	12.648	0.039537745	0.338344658
1.50	1.513	0.259	1.254	13.902	0.033545557	0.371890215
1.75	2.923	0.781	2.142	16.044	0.057300305	0.429190520
2.00	2.574	0.658	1.916	17.960	0.051254615	0.480445134
2.25	2.350	0.379	1.971	19.931	0.052725911	0.533171045
2.50	2.532	0.245	2.287	22.218	0.061179177	0.594350222
2.75	3.051	0.456	2.595	24.813	0.069418437	0.663768659
3.00	5.522	1.728	3.794	28.607	0.101492697	0.765261356
3.25	6.178	2.301	3.877	32.484	0.103713017	0.868974373
3.50	13.084	11.355	1.729	34.213	0.046252207	0.915226580
3.75	12.157	10.302	1.855	36.068	0.049622813	0.964849393
4.00	6.985	6.186	0.799	36.867	0.021373923	0.986223316
PAN	2.549	2.034	0.515	37.382	0.013776684	1.0

**TOTAL WT.**  
**CO3 WT**  
**% CARBONATE**

74.204 grams  
 37.382 grams  
 50.377

CARBONATE GRAIN SIZE DISTRIBUTION VSL-1: 10-12 ft



# CARBONATE GRAIN SIZE DISTRIBUTION

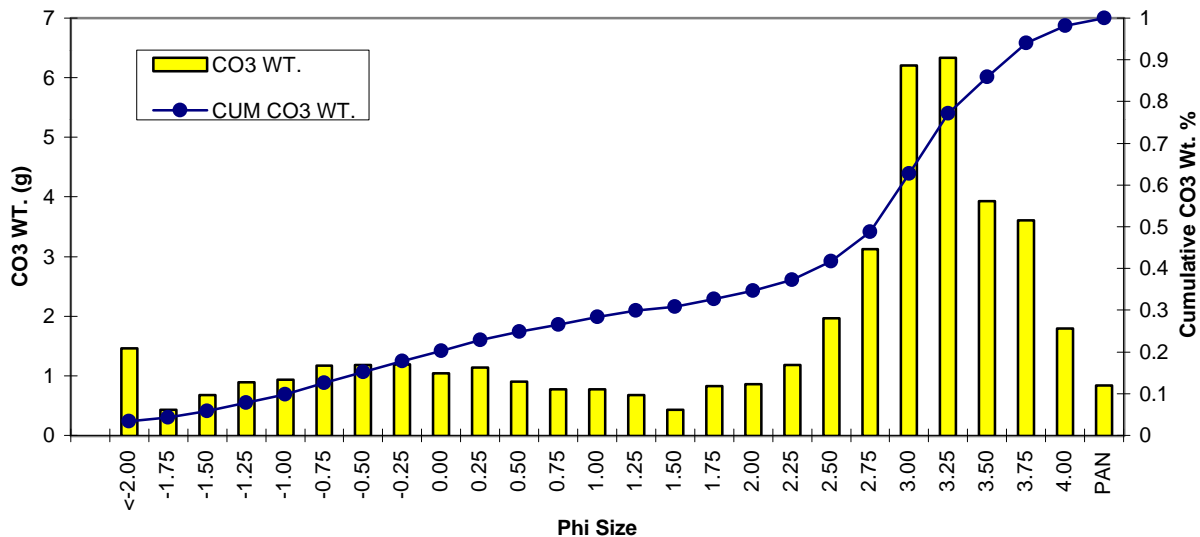
## CORE VSL-1 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.465	0.000	1.465	1.465	0.033050580	0.033050580
-1.75	0.425	0.000	0.425	1.890	0.009588052	0.042638632
-1.50	0.676	0.000	0.676	2.566	0.015250643	0.057889275
-1.25	0.886	0.000	0.886	3.452	0.019988269	0.077877544
-1.00	0.930	0.000	0.930	4.382	0.020980914	0.098858458
-0.75	1.167	0.000	1.167	5.549	0.026327663	0.125186121
-0.50	1.179	0.000	1.179	6.728	0.026598385	0.151784506
-0.25	1.190	0.000	1.190	7.918	0.026846546	0.178631052
0.00	1.044	0.000	1.044	8.962	0.023552768	0.202183820
0.25	1.139	0.000	1.139	10.101	0.025695980	0.227879800
0.50	0.907	0.000	0.907	11.008	0.020462031	0.248341831
0.75	0.783	0.005	0.778	11.786	0.017551775	0.265893606
1.00	0.794	0.017	0.777	12.563	0.017529215	0.283422822
1.25	0.718	0.039	0.679	13.242	0.015318323	0.298741145
1.50	0.477	0.048	0.429	13.671	0.009678293	0.308419438
1.75	0.958	0.131	0.827	14.498	0.018657221	0.327076659
2.00	1.001	0.138	0.863	15.361	0.019469386	0.346546045
2.25	1.313	0.135	1.178	16.539	0.026575825	0.373121870
2.50	2.116	0.150	1.966	18.505	0.044353201	0.417475071
2.75	3.548	0.419	3.129	21.634	0.070590624	0.488065695
3.00	8.451	2.246	6.205	27.839	0.139985562	0.628051257
3.25	9.564	3.231	6.333	34.172	0.142873257	0.770924514
3.50	17.110	13.183	3.927	38.099	0.088593602	0.859518116
3.75	13.755	10.152	3.603	41.702	0.081284122	0.940802238
4.00	8.479	6.691	1.788	43.490	0.040337499	0.981139737
PAN	3.051	2.215	0.836	44.326	0.018860263	1.0

**TOTAL WT.**  
**CO3 WT**  
**% CARBONATE**

83.126      grams  
44.326      grams  
53.324

**CARBONATE GRAIN SIZE DISTRIBUTION VSL-1: 12-14 ft**





# CARBONATE GRAIN SIZE DISTRIBUTION

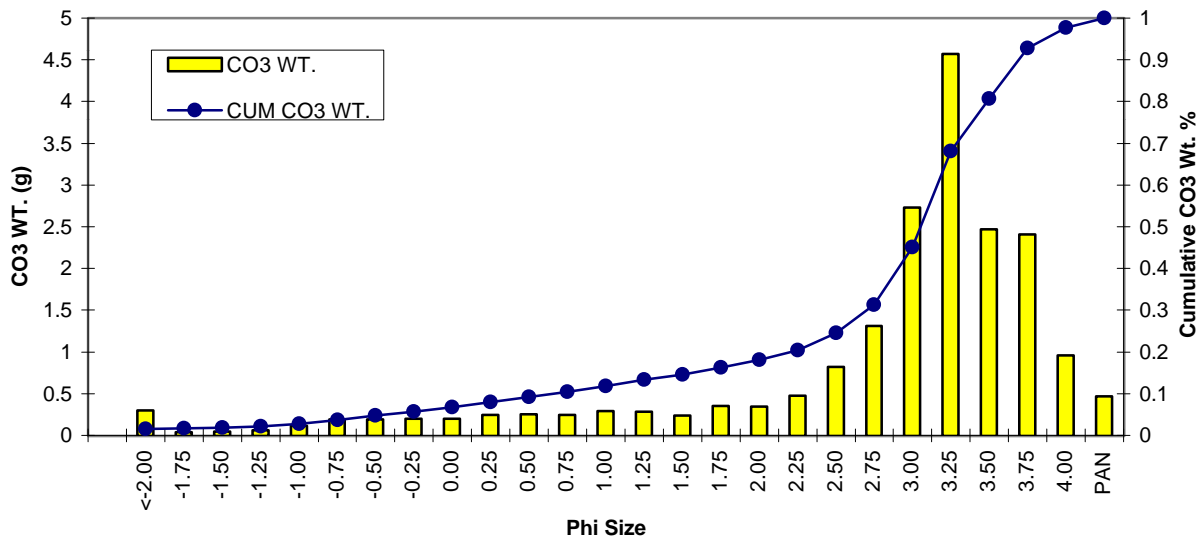
## CORE VSL-1 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.296	0.000	0.296	0.296	0.014956293	0.014956293
-1.75	0.035	0.000	0.035	0.331	0.001768481	0.016724774
-1.50	0.043	0.000	0.043	0.374	0.002172705	0.018897479
-1.25	0.062	0.000	0.062	0.436	0.003132737	0.022030216
-1.00	0.112	0.000	0.112	0.548	0.005659138	0.027689354
-0.75	0.189	0.000	0.189	0.737	0.009549795	0.037239149
-0.50	0.191	0.000	0.191	0.928	0.009650851	0.046890001
-0.25	0.197	0.000	0.197	1.125	0.009954020	0.056844020
0.00	0.196	0.000	0.196	1.321	0.009903491	0.066747511
0.25	0.246	0.000	0.246	1.567	0.012429892	0.079177404
0.50	0.254	0.003	0.251	1.818	0.012682532	0.091859936
0.75	0.251	0.007	0.244	2.062	0.012328836	0.104188773
1.00	0.305	0.017	0.288	2.350	0.014552069	0.118740842
1.25	0.312	0.025	0.287	2.637	0.014501541	0.133242383
1.50	0.263	0.029	0.234	2.871	0.011823556	0.145065939
1.75	0.422	0.068	0.354	3.225	0.017886918	0.162952857
2.00	0.431	0.086	0.345	3.570	0.017432166	0.180385023
2.25	0.548	0.073	0.475	4.045	0.024000808	0.204385832
2.50	0.906	0.084	0.822	4.867	0.041534031	0.245919863
2.75	1.496	0.181	1.315	6.182	0.066444343	0.312364206
3.00	3.835	1.107	2.728	8.910	0.137840433	0.450204638
3.25	6.982	2.409	4.573	13.483	0.231064625	0.681269264
3.50	19.472	17.001	2.471	15.954	0.124854732	0.806123996
3.75	16.650	14.242	2.408	18.362	0.121671467	0.927795463
4.00	10.023	9.064	0.959	19.321	0.048456369	0.976251832
PAN	3.725	3.255	0.470	19.791	0.023748168	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

67.442 grams  
19.791 grams  
29.345

CARBONATE GRAIN SIZE DISTRIBUTION VSL-1: 14-16 ft



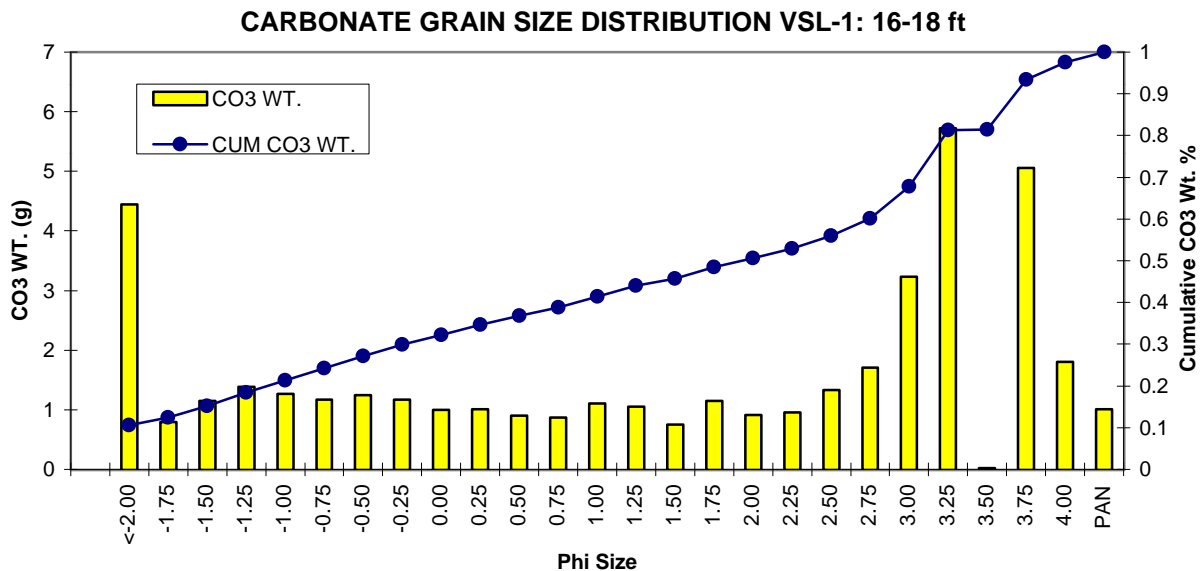
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-1 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	4.440	0.000	4.440	4.440	0.105145997	0.105145997
-1.75	0.797	0.000	0.797	5.237	0.018874180	0.124020177
-1.50	1.144	0.000	1.144	6.381	0.027091671	0.151111848
-1.25	1.382	0.000	1.382	7.763	0.032727876	0.183839723
-1.00	1.269	0.000	1.269	9.032	0.030051863	0.213891586
-0.75	1.175	0.000	1.175	10.207	0.027825799	0.241717385
-0.50	1.250	0.000	1.250	11.457	0.029601913	0.271319298
-0.25	1.172	0.000	1.172	12.629	0.027754754	0.299074052
0.00	0.999	0.000	0.999	13.628	0.023657849	0.322731901
0.25	1.018	0.006	1.012	14.640	0.023965709	0.346697611
0.50	0.904	0.006	0.898	15.538	0.021266015	0.367963625
0.75	0.892	0.026	0.866	16.404	0.020508206	0.388471831
1.00	1.183	0.074	1.109	17.513	0.026262818	0.414734648
1.25	1.231	0.181	1.050	18.563	0.024865607	0.439600256
1.50	0.969	0.215	0.754	19.317	0.017855874	0.457456130
1.75	1.575	0.423	1.152	20.469	0.027281123	0.484737253
2.00	1.262	0.351	0.911	21.380	0.021573875	0.506311128
2.25	1.229	0.271	0.958	22.338	0.022686906	0.528998034
2.50	1.541	0.210	1.331	23.669	0.031520117	0.560518152
2.75	1.959	0.247	1.712	25.381	0.040542781	0.601060933
3.00	4.596	1.361	3.235	28.616	0.076609752	0.677670685
3.25	9.253	3.531	5.722	34.338	0.135505719	0.813176404
3.50	19.838	19.817	0.021	34.359	0.000497312	0.813673716
3.75	17.234	12.175	5.059	39.418	0.119804864	0.933478580
4.00	9.409	7.606	1.803	41.221	0.042697800	0.976176380
PAN	3.133	2.127	1.006	42.227	0.023823620	1.0

**TOTAL WT.**  
**CO3 WT**  
**% CARBONATE**

90.854      grams  
42.227      grams  
46.478

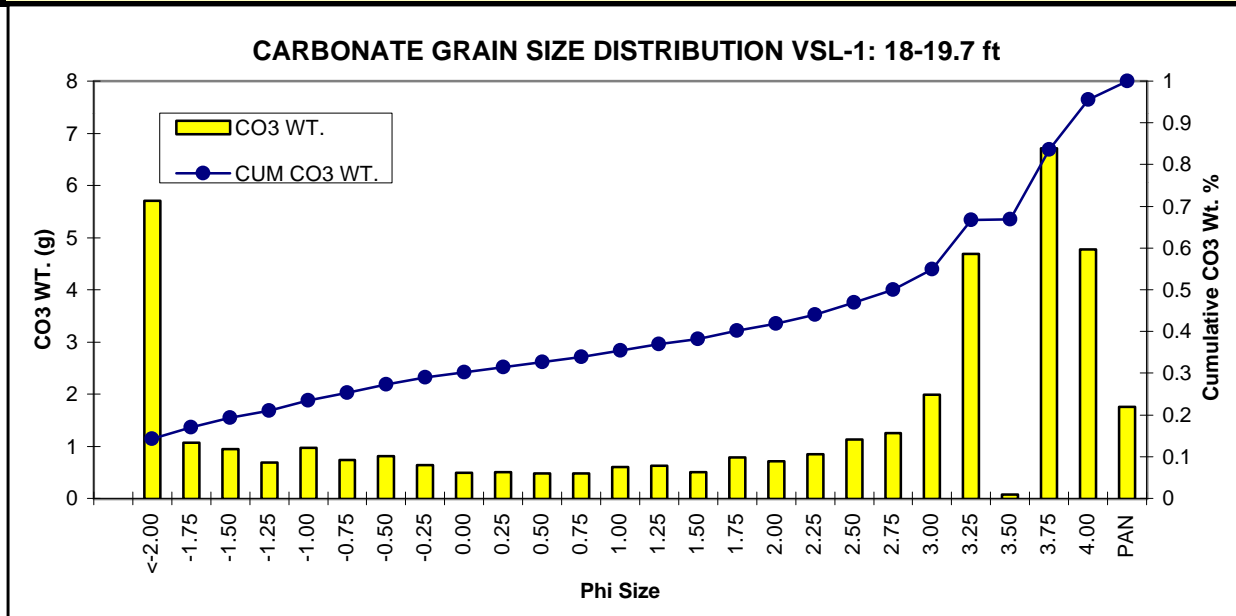


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-1 : 18-19.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	5.709	0.000	5.709	5.709	0.142900053	0.142900053
-1.75	1.067	0.000	1.067	6.776	0.026707717	0.169607770
-1.50	0.947	0.000	0.947	7.723	0.023704037	0.193311807
-1.25	0.690	0.000	0.690	8.413	0.017271157	0.210582964
-1.00	0.974	0.000	0.974	9.387	0.024379865	0.234962829
-0.75	0.740	0.000	0.740	10.127	0.018522690	0.253485520
-0.50	0.807	0.000	0.807	10.934	0.020199745	0.273685264
-0.25	0.634	0.000	0.634	11.568	0.015869440	0.289554705
0.00	0.495	0.000	0.495	12.063	0.012390178	0.301944882
0.25	0.507	0.001	0.506	12.569	0.012665515	0.314610398
0.50	0.482	0.004	0.478	13.047	0.011964657	0.326575054
0.75	0.489	0.011	0.478	13.525	0.011964657	0.338539711
1.00	0.627	0.028	0.599	14.124	0.014993367	0.353533078
1.25	0.708	0.088	0.620	14.744	0.015519011	0.369052089
1.50	0.620	0.119	0.501	15.245	0.012540362	0.381592451
1.75	1.049	0.259	0.790	16.035	0.019774223	0.401366674
2.00	1.028	0.315	0.713	16.748	0.017846862	0.419213537
2.25	1.134	0.284	0.850	17.598	0.021276063	0.440489600
2.50	1.362	0.231	1.131	18.729	0.028309679	0.468799279
2.75	1.455	0.209	1.246	19.975	0.031188206	0.499987485
3.00	2.739	0.757	1.982	21.957	0.049610773	0.549598258
3.25	6.948	2.262	4.686	26.643	0.117293685	0.666891943
3.50	25.834	25.762	0.072	26.715	0.001802208	0.668694150
3.75	26.010	19.303	6.707	33.422	0.167880654	0.836574804
4.00	19.081	14.303	4.778	38.200	0.119596506	0.956171310
PAN	7.654	5.903	1.751	39.951	0.043828690	1.0

<b>TOTAL WT.</b>	109.790	grams
<b>CO3 WT</b>	39.951	grams
<b>% CARBONATE</b>	36.389	



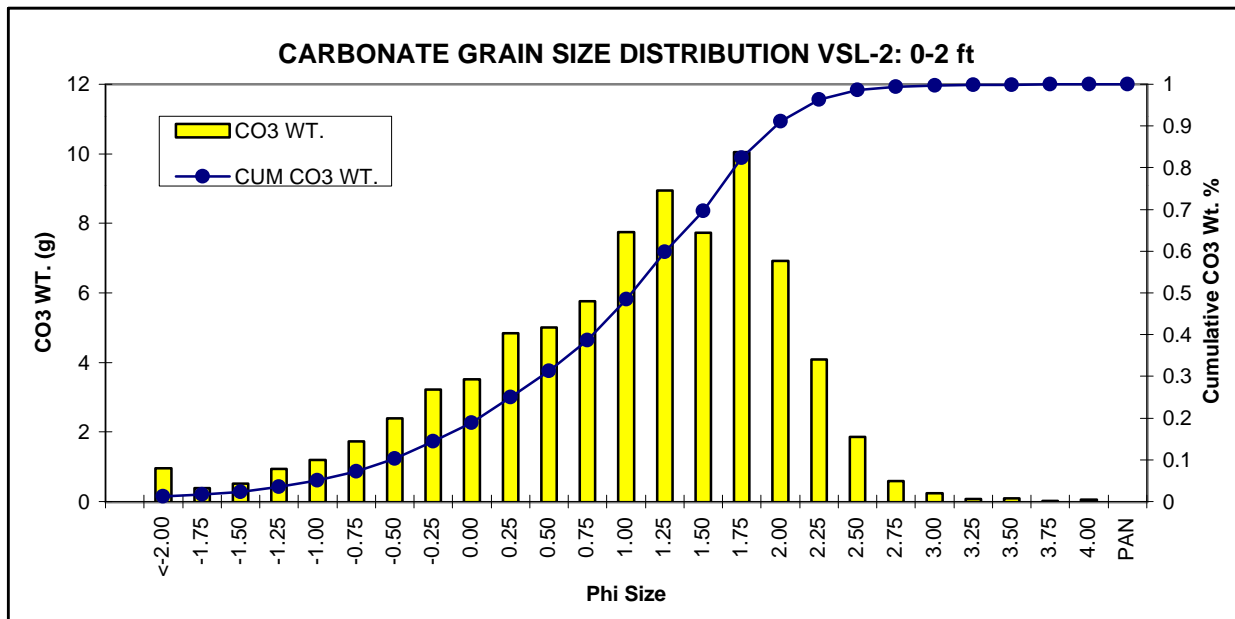
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-2 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.950	0.000	0.950	0.950	0.012045901	0.012045901
-1.75	0.387	0.000	0.387	1.337	0.004907120	0.016953021
-1.50	0.516	0.000	0.516	1.853	0.006542826	0.023495847
-1.25	0.937	0.000	0.937	2.790	0.011881063	0.035376910
-1.00	1.189	0.000	1.189	3.979	0.015076396	0.050453306
-0.75	1.735	0.000	1.735	5.714	0.021999620	0.072452926
-0.50	2.398	0.000	2.398	8.112	0.030406391	0.102859317
-0.25	3.229	0.000	3.229	11.341	0.040943384	0.143802701
0.00	3.522	0.000	3.522	14.863	0.044658594	0.188461295
0.25	4.834	0.000	4.834	19.697	0.061294617	0.249755912
0.50	5.013	0.003	5.010	24.707	0.063526279	0.313282191
0.75	5.819	0.059	5.760	30.467	0.073036201	0.386318392
1.00	8.239	0.487	7.752	38.219	0.098294554	0.484612946
1.25	10.714	1.761	8.953	47.172	0.113523109	0.598136055
1.50	9.947	2.221	7.726	54.898	0.097964877	0.696100932
1.75	13.268	3.224	10.044	64.942	0.127356876	0.823457808
2.00	8.605	1.686	6.919	71.861	0.087732201	0.911190008
2.25	4.830	0.750	4.080	75.941	0.051733976	0.962923984
2.50	2.142	0.281	1.861	77.802	0.023597287	0.986521271
2.75	0.701	0.115	0.586	78.388	0.007430419	0.993951690
3.00	0.367	0.131	0.236	78.624	0.002992455	0.996944145
3.25	0.073	0.000	0.073	78.697	0.000925632	0.997869777
3.50	0.352	0.267	0.085	78.782	0.001077791	0.998947569
3.75	0.205	0.182	0.023	78.805	0.000291638	0.999239206
4.00	0.116	0.064	0.052	78.857	0.000659355	0.999898561
PAN	0.067	0.059	0.008	78.865	0.000101439	1.0

**TOTAL WT.**  
**CO3 WT**  
**% CARBONATE**

90.155      grams  
78.865      grams  
87.477

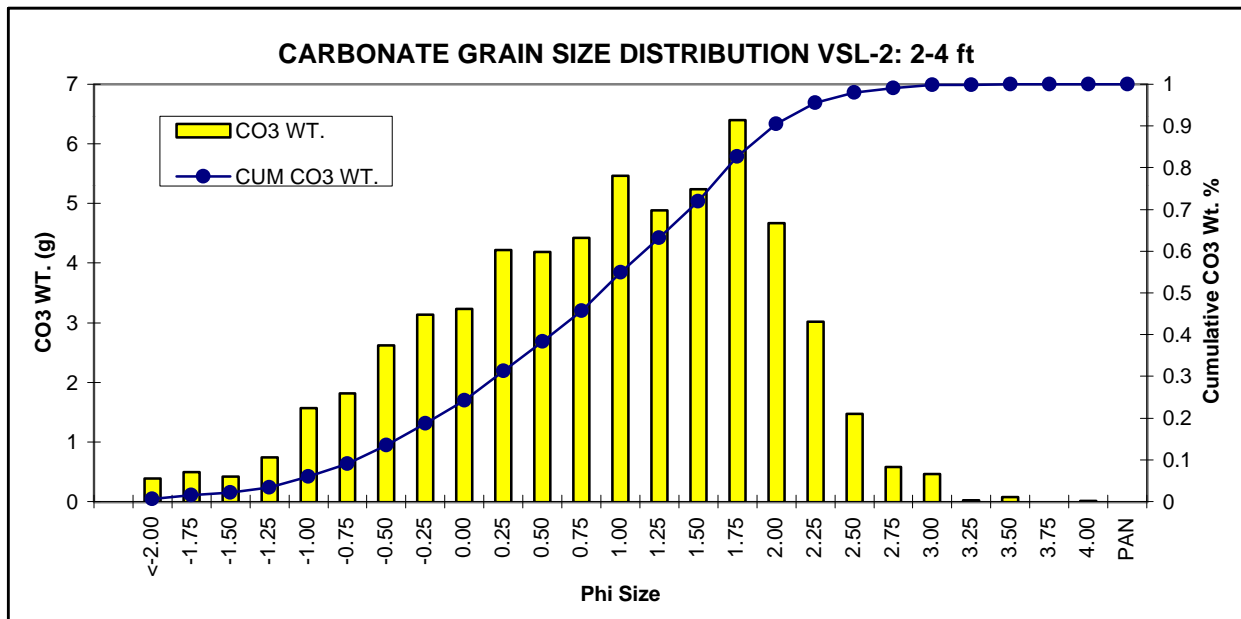


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-2 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.389	0.000	0.389	0.389	0.006537815	0.006537815
-1.75	0.491	0.000	0.491	0.880	0.008252101	0.014789916
-1.50	0.414	0.000	0.414	1.294	0.006957983	0.021747899
-1.25	0.743	0.000	0.743	2.037	0.012487395	0.034235294
-1.00	1.566	0.000	1.566	3.603	0.026319328	0.060554622
-0.75	1.810	0.000	1.810	5.413	0.030420168	0.090974790
-0.50	2.615	0.000	2.615	8.028	0.043949580	0.134924370
-0.25	3.130	0.000	3.130	11.158	0.052605042	0.187529412
0.00	3.229	0.000	3.229	14.387	0.054268908	0.241798319
0.25	4.222	0.000	4.222	18.609	0.070957983	0.312756303
0.50	4.183	0.001	4.182	22.791	0.070285714	0.383042017
0.75	4.434	0.013	4.421	27.212	0.074302521	0.457344538
1.00	5.576	0.116	5.460	32.672	0.091764706	0.549109244
1.25	5.550	0.669	4.881	37.553	0.082033613	0.631142857
1.50	6.298	1.062	5.236	42.789	0.088000000	0.719142857
1.75	8.253	1.851	6.402	49.191	0.107596639	0.826739496
2.00	5.760	1.089	4.671	53.862	0.078504202	0.905243697
2.25	3.524	0.504	3.020	56.882	0.050756303	0.956000000
2.50	1.665	0.194	1.471	58.353	0.024722689	0.980722689
2.75	0.662	0.085	0.577	58.930	0.009697479	0.990420168
3.00	0.550	0.085	0.465	59.395	0.007815126	0.998235294
3.25	0.033	0.016	0.017	59.412	0.000285714	0.998521008
3.50	0.229	0.149	0.080	59.492	0.001344538	0.999865546
3.75	0.143	0.142	0.001	59.493	0.000016807	0.999882353
4.00	0.077	0.071	0.006	59.499	0.000100840	0.999983193
PAN	0.040	0.039	0.001	59.500	0.000016807	1.0

<b>TOTAL WT.</b>	65.586	grams
<b>CO3 WT</b>	59.500	grams
<b>% CARBONATE</b>	90.721	

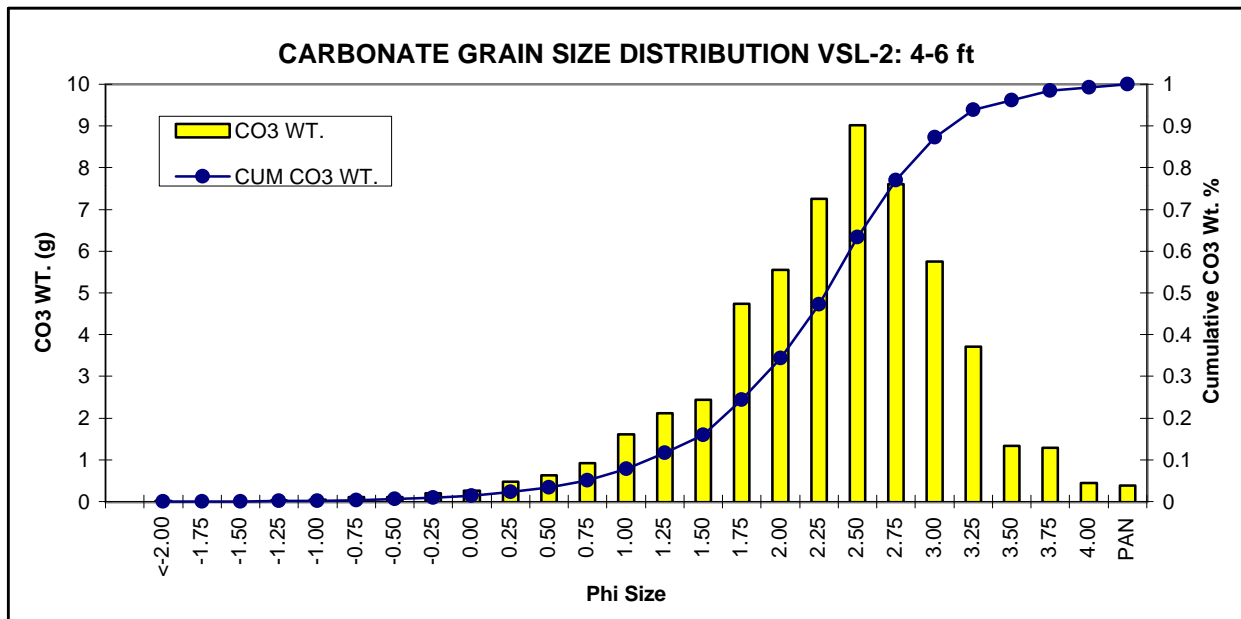


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-2 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.020	0.000	0.020	0.020	0.000356862	0.000356862
-1.75	0.000	0.000	0.000	0.020	0.000000000	0.000356862
-1.50	0.000	0.000	0.000	0.020	0.000000000	0.000356862
-1.25	0.036	0.000	0.036	0.056	0.000642352	0.000999215
-1.00	0.041	0.000	0.041	0.097	0.000731568	0.001730783
-0.75	0.115	0.000	0.115	0.212	0.002051959	0.003782742
-0.50	0.109	0.000	0.109	0.321	0.001944900	0.005727643
-0.25	0.200	0.000	0.200	0.521	0.003568625	0.009296267
0.00	0.260	0.000	0.260	0.781	0.004639212	0.013935479
0.25	0.478	0.000	0.478	1.259	0.008529013	0.022464492
0.50	0.623	0.000	0.623	1.882	0.011116266	0.033580758
0.75	0.923	0.002	0.921	2.803	0.016433517	0.050014274
1.00	1.613	0.009	1.604	4.407	0.028620370	0.078634644
1.25	2.190	0.068	2.122	6.529	0.037863108	0.116497752
1.50	2.576	0.144	2.432	8.961	0.043394476	0.159892228
1.75	5.492	0.754	4.738	13.699	0.084540718	0.244432946
2.00	6.749	1.195	5.554	19.253	0.099100707	0.343533652
2.25	8.721	1.464	7.257	26.510	0.129487545	0.473021198
2.50	10.551	1.538	9.013	35.523	0.160820070	0.633841268
2.75	9.199	1.586	7.613	43.136	0.135839697	0.769680965
3.00	7.985	2.236	5.749	48.885	0.102580116	0.872261081
3.25	5.304	1.599	3.705	52.590	0.066108772	0.938369852
3.50	6.728	5.397	1.331	53.921	0.023749197	0.962119049
3.75	6.229	4.944	1.285	55.206	0.022928413	0.985047463
4.00	3.102	2.655	0.447	55.653	0.007975876	0.993023339
PAN	1.185	0.794	0.391	56.044	0.006976661	1.0

<b>TOTAL WT.</b>	80.429	grams
<b>CO3 WT</b>	56.044	grams
<b>% CARBONATE</b>	69.681	

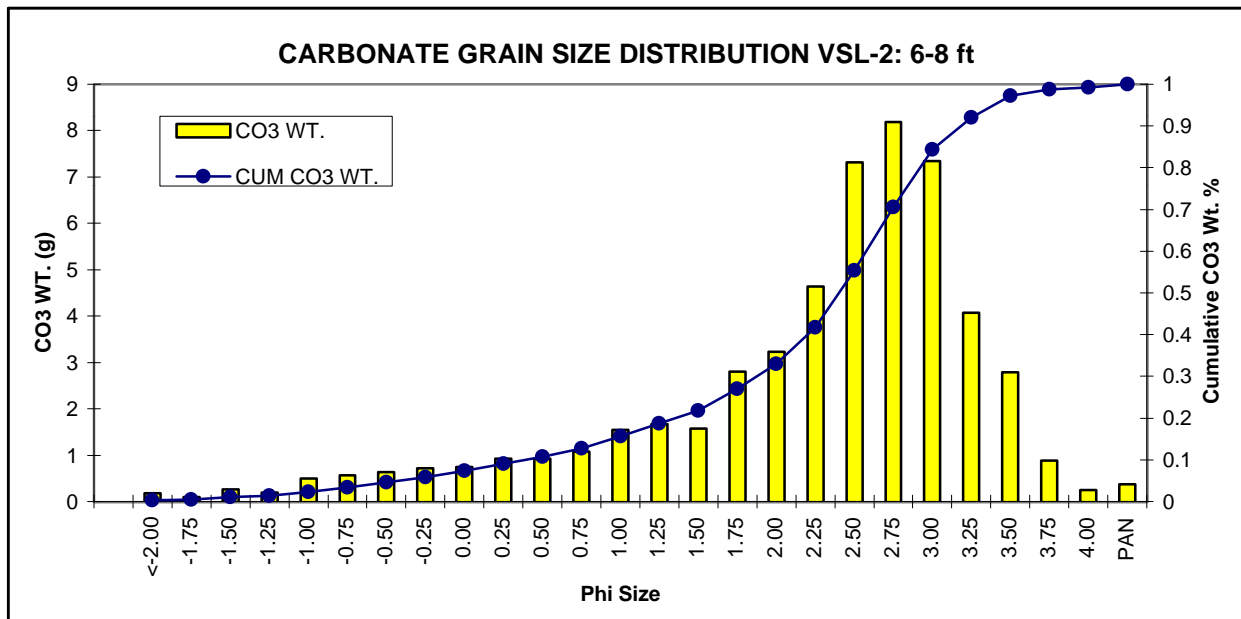


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-2 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.182	0.000	0.182	0.182	0.003401806	0.003401806
-1.75	0.101	0.000	0.101	0.283	0.001887815	0.005289621
-1.50	0.261	0.000	0.261	0.544	0.004878413	0.010168034
-1.25	0.198	0.000	0.198	0.742	0.003700865	0.013868900
-1.00	0.503	0.000	0.503	1.245	0.009401693	0.023270593
-0.75	0.567	0.000	0.567	1.812	0.010597933	0.033868526
-0.50	0.638	0.004	0.634	2.446	0.011850246	0.045718772
-0.25	0.713	0.002	0.711	3.157	0.013289471	0.059008243
0.00	0.746	0.004	0.742	3.899	0.013868900	0.072877142
0.25	0.927	0.001	0.926	4.825	0.017308088	0.090185230
0.50	0.924	0.000	0.924	5.749	0.017270705	0.107455935
0.75	1.087	0.006	1.081	6.830	0.020205230	0.127661165
1.00	1.558	0.008	1.550	8.380	0.028971421	0.156632586
1.25	1.697	0.029	1.668	10.048	0.031176987	0.187809574
1.50	1.665	0.095	1.570	11.618	0.029345246	0.217154820
1.75	3.149	0.350	2.799	14.417	0.052316779	0.269471599
2.00	3.797	0.570	3.227	17.644	0.060316630	0.329788228
2.25	5.513	0.871	4.642	22.286	0.086764733	0.416552962
2.50	8.494	1.183	7.311	29.597	0.136651651	0.553204613
2.75	9.809	1.625	8.184	37.781	0.152969103	0.706173716
3.00	10.079	2.735	7.344	45.125	0.137268462	0.843442179
3.25	6.321	2.251	4.070	49.195	0.076073344	0.919515523
3.50	9.517	6.724	2.793	51.988	0.052204632	0.971720155
3.75	8.733	7.845	0.888	52.876	0.016597821	0.988317975
4.00	5.089	4.841	0.248	53.124	0.004635427	0.992953403
PAN	1.893	1.516	0.377	53.501	0.007046597	1.0

<b>TOTAL WT.</b>	84.161	grams
<b>CO3 WT</b>	53.501	grams
<b>% CARBONATE</b>	63.570	

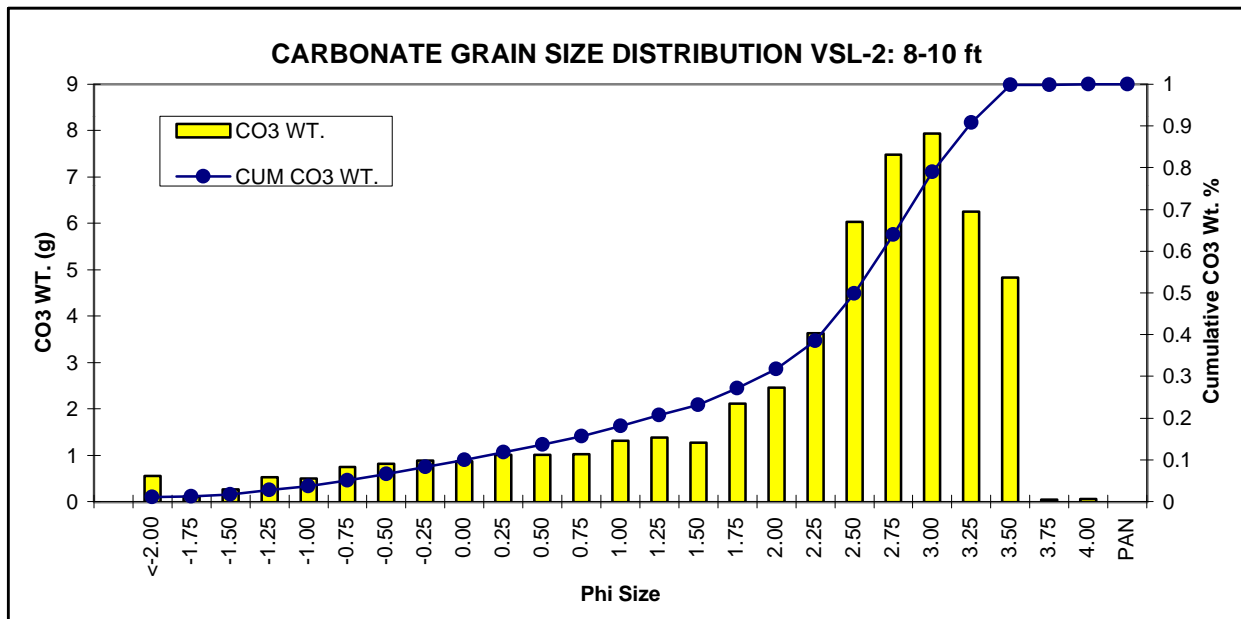


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-2 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.556	0.000	0.556	0.556	0.010476137	0.010476137
-1.75	0.105	0.000	0.105	0.661	0.001978407	0.012454544
-1.50	0.259	0.000	0.259	0.920	0.004880071	0.017334615
-1.25	0.522	0.000	0.522	1.442	0.009835510	0.027170124
-1.00	0.501	0.000	0.501	1.943	0.009439828	0.036609952
-0.75	0.750	0.000	0.750	2.693	0.014131479	0.050741432
-0.50	0.812	0.000	0.812	3.505	0.015299682	0.066041113
-0.25	0.885	0.000	0.885	4.390	0.016675146	0.082716259
0.00	0.863	0.000	0.863	5.253	0.016260622	0.098976881
0.25	1.004	0.000	1.004	6.257	0.018917340	0.117894221
0.50	1.016	0.002	1.014	7.271	0.019105760	0.136999981
0.75	1.033	0.005	1.028	8.299	0.019369548	0.156369529
1.00	1.327	0.013	1.314	9.613	0.024758352	0.181127880
1.25	1.406	0.025	1.381	10.994	0.026020764	0.207148644
1.50	1.356	0.087	1.269	12.263	0.023910463	0.231059107
1.75	2.396	0.288	2.108	14.371	0.039718878	0.270777985
2.00	2.846	0.392	2.454	16.825	0.046238200	0.317016185
2.25	4.146	0.518	3.628	20.453	0.068358676	0.385374861
2.50	6.724	0.698	6.026	26.479	0.113541726	0.498916587
2.75	8.787	1.311	7.476	33.955	0.140862585	0.639779172
3.00	11.283	3.345	7.938	41.893	0.149567577	0.789346749
3.25	8.608	2.350	6.258	48.151	0.117913063	0.907259812
3.50	12.403	7.577	4.826	52.977	0.090931359	0.998191171
3.75	10.930	10.888	0.042	53.019	0.000791363	0.998982533
4.00	6.470	6.421	0.049	53.068	0.000923257	0.999905790
PAN	2.006	2.001	0.005	53.073	0.000094210	1.0

<b>TOTAL WT.</b>	88.994	grams
<b>CO3 WT</b>	53.073	grams
<b>% CARBONATE</b>	59.637	



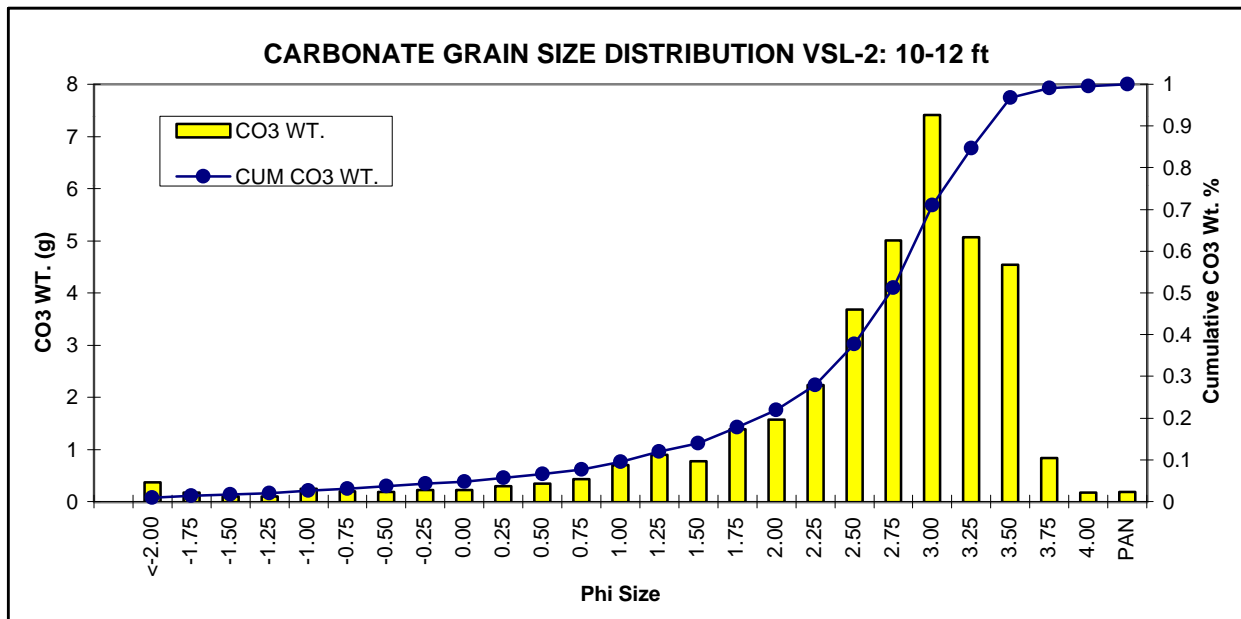


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-2 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.363	0.000	0.363	0.363	0.009721218	0.009721218
-1.75	0.169	0.000	0.169	0.532	0.004525856	0.014247074
-1.50	0.095	0.000	0.095	0.627	0.002544120	0.016791195
-1.25	0.103	0.000	0.103	0.730	0.002758362	0.019549557
-1.00	0.249	0.000	0.249	0.979	0.006668273	0.026217830
-0.75	0.195	0.000	0.195	1.174	0.005222142	0.031439972
-0.50	0.184	0.000	0.184	1.358	0.004927560	0.036367532
-0.25	0.221	0.000	0.221	1.579	0.005918427	0.042285959
0.00	0.223	0.000	0.223	1.802	0.005971988	0.048257947
0.25	0.296	0.000	0.296	2.098	0.007926944	0.056184891
0.50	0.348	0.003	0.345	2.443	0.009239174	0.065424065
0.75	0.440	0.008	0.432	2.875	0.011569053	0.076993117
1.00	0.725	0.029	0.696	3.571	0.018639029	0.095632147
1.25	0.938	0.044	0.894	4.465	0.023941512	0.119573659
1.50	0.876	0.104	0.772	5.237	0.020674326	0.140247985
1.75	1.624	0.238	1.386	6.623	0.037117378	0.177365362
2.00	1.887	0.313	1.574	8.197	0.042152058	0.219517421
2.25	2.700	0.464	2.236	10.433	0.059880560	0.279397981
2.50	4.278	0.597	3.681	14.114	0.098577971	0.377975951
2.75	5.974	0.962	5.012	19.126	0.134222436	0.512198388
3.00	10.108	2.695	7.413	26.539	0.198521732	0.710720120
3.25	8.353	3.283	5.070	31.609	0.135775689	0.846495809
3.50	15.278	10.738	4.540	36.149	0.121582175	0.968077984
3.75	11.060	10.227	0.833	36.982	0.022307919	0.990385903
4.00	6.667	6.491	0.176	37.158	0.004713318	0.995099221
PAN	2.321	2.138	0.183	37.341	0.004900779	1.0

<b>TOTAL WT.</b>	75.675	grams
<b>CO3 WT</b>	37.341	grams
<b>% CARBONATE</b>	49.344	

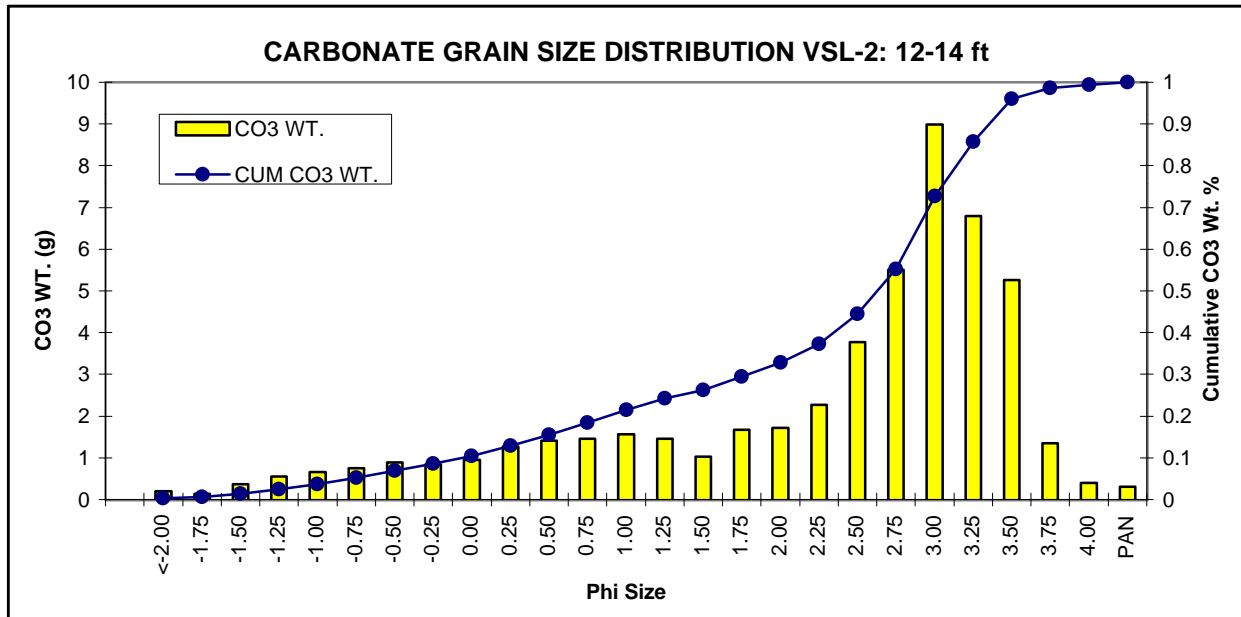


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-2 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.196	0.000	0.196	0.196	0.003799701	0.003799701
-1.75	0.140	0.000	0.140	0.336	0.002714072	0.006513774
-1.50	0.369	0.000	0.369	0.705	0.007153520	0.013667293
-1.25	0.550	0.000	0.550	1.255	0.010662428	0.024329721
-1.00	0.657	0.000	0.657	1.912	0.012736754	0.037066475
-0.75	0.755	0.000	0.755	2.667	0.014636605	0.051703080
-0.50	0.891	0.000	0.891	3.558	0.017273133	0.068976213
-0.25	0.844	0.000	0.844	4.402	0.016361980	0.085338193
0.00	0.945	0.000	0.945	5.347	0.018319989	0.103658182
0.25	1.274	0.002	1.272	6.619	0.024659287	0.128317469
0.50	1.417	0.013	1.404	8.023	0.027218270	0.155535739
0.75	1.497	0.033	1.464	9.487	0.028381443	0.183917182
1.00	1.645	0.074	1.571	11.058	0.030455770	0.214372952
1.25	1.554	0.098	1.456	12.514	0.028226354	0.242599306
1.50	1.197	0.176	1.021	13.535	0.019793343	0.262392649
1.75	2.000	0.327	1.673	15.208	0.032433166	0.294825815
2.00	2.018	0.302	1.716	16.924	0.033266774	0.328092589
2.25	2.641	0.364	2.277	19.201	0.044142450	0.372235039
2.50	4.241	0.465	3.776	22.977	0.073202412	0.445437450
2.75	6.434	0.928	5.506	28.483	0.106740593	0.552178043
3.00	11.997	3.012	8.985	37.468	0.174185294	0.726363337
3.25	10.757	3.968	6.789	44.257	0.131613128	0.857976465
3.50	18.728	13.463	5.265	49.522	0.102068511	0.960044976
3.75	14.600	13.247	1.353	50.875	0.026229572	0.986274548
4.00	9.049	8.649	0.400	51.275	0.007754493	0.994029041
PAN	3.314	3.006	0.308	51.583	0.005970959	1.0

<b>TOTAL WT.</b>	99.710	grams
<b>CO3 WT</b>	51.583	grams
<b>% CARBONATE</b>	51.733	

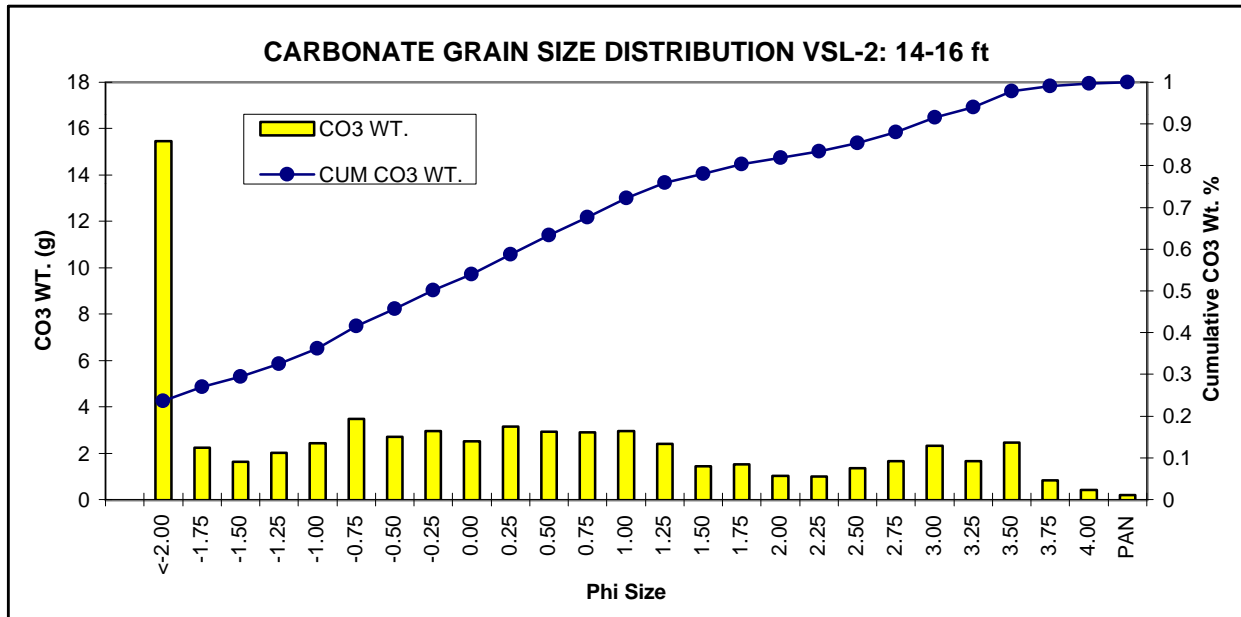


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-2 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	15.464	0.000	15.464	15.464	0.235552171	0.235552171
-1.75	2.241	0.000	2.241	17.705	0.034135567	0.269687738
-1.50	1.640	0.000	1.640	19.345	0.024980960	0.294668698
-1.25	2.024	0.000	2.024	21.369	0.030830160	0.325498858
-1.00	2.432	0.000	2.432	23.801	0.037044935	0.362543793
-0.75	3.474	0.000	3.474	27.275	0.052916984	0.415460777
-0.50	2.715	0.000	2.715	29.990	0.041355674	0.456816451
-0.25	2.947	0.000	2.947	32.937	0.044889566	0.501706017
0.00	2.513	0.007	2.506	35.443	0.038172125	0.539878142
0.25	3.204	0.043	3.161	38.604	0.048149276	0.588027418
0.50	3.030	0.092	2.938	41.542	0.044752475	0.632779893
0.75	3.141	0.233	2.908	44.450	0.044295506	0.677075400
1.00	3.307	0.359	2.948	47.398	0.044904798	0.721980198
1.25	2.723	0.309	2.414	49.812	0.036770754	0.758750952
1.50	1.750	0.327	1.423	51.235	0.021675552	0.780426504
1.75	1.838	0.308	1.530	52.765	0.023305407	0.803731912
2.00	1.198	0.186	1.012	53.777	0.015415080	0.819146992
2.25	1.141	0.153	0.988	54.765	0.015049505	0.834196497
2.50	1.505	0.155	1.350	56.115	0.020563595	0.854760091
2.75	1.921	0.269	1.652	57.767	0.025163747	0.879923839
3.00	3.275	0.953	2.322	60.089	0.035369383	0.915293222
3.25	2.890	1.223	1.667	61.756	0.025392232	0.940685453
3.50	5.720	3.270	2.450	64.206	0.037319117	0.978004570
3.75	5.503	4.661	0.842	65.048	0.012825590	0.990830160
4.00	3.716	3.297	0.419	65.467	0.006382331	0.997212490
PAN	1.268	1.085	0.183	65.650	0.002787510	1.0

<b>TOTAL WT.</b>	82.580	grams
<b>CO3 WT</b>	65.650	grams
<b>% CARBONATE</b>	79.499	

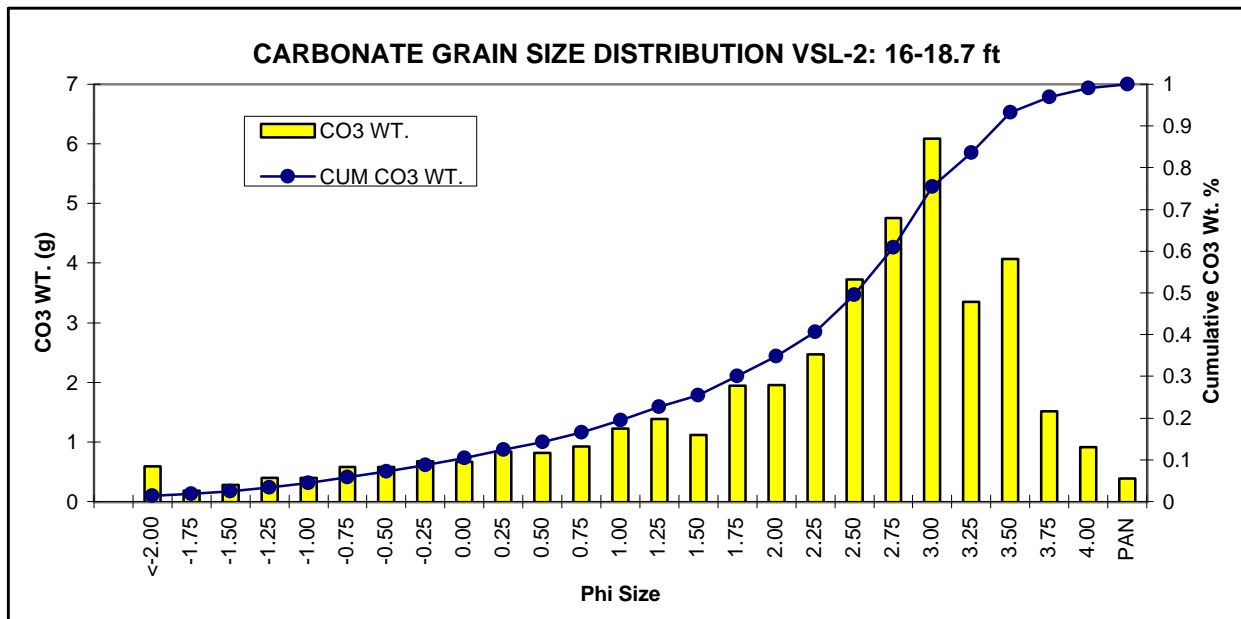


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-2 : 16-18.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.586	0.000	0.586	0.586	0.014014445	0.014014445
-1.75	0.180	0.000	0.180	0.766	0.004304778	0.018319223
-1.50	0.277	0.000	0.277	1.043	0.006624576	0.024943799
-1.25	0.396	0.000	0.396	1.439	0.009470512	0.034414311
-1.00	0.397	0.000	0.397	1.836	0.009494428	0.043908739
-0.75	0.575	0.000	0.575	2.411	0.013751375	0.057660114
-0.50	0.580	0.000	0.580	2.991	0.013870952	0.071531066
-0.25	0.674	0.000	0.674	3.665	0.016119003	0.087650069
0.00	0.668	0.002	0.666	4.331	0.015927680	0.103577749
0.25	0.840	0.001	0.839	5.170	0.020065050	0.123642799
0.50	0.825	0.006	0.819	5.989	0.019586741	0.143229540
0.75	0.935	0.016	0.919	6.908	0.021978285	0.165207825
1.00	1.267	0.042	1.225	8.133	0.029296408	0.194504233
1.25	1.475	0.091	1.384	9.517	0.033098962	0.227603195
1.50	1.325	0.205	1.120	10.637	0.026785287	0.254388482
1.75	2.384	0.444	1.940	12.577	0.046395944	0.300784426
2.00	2.440	0.482	1.958	14.535	0.046826422	0.347610848
2.25	2.976	0.504	2.472	17.007	0.059118955	0.406729803
2.50	4.392	0.668	3.724	20.731	0.089061080	0.495790883
2.75	5.614	0.857	4.757	25.488	0.113765724	0.609556608
3.00	8.027	1.941	6.086	31.574	0.145549338	0.755105945
3.25	5.910	2.557	3.353	34.927	0.080188454	0.835294399
3.50	8.168	4.098	4.070	38.997	0.097335821	0.932630220
3.75	6.983	5.468	1.515	40.512	0.036231884	0.968862104
4.00	6.572	5.661	0.911	41.423	0.021786961	0.990649065
PAN	2.718	2.327	0.391	41.814	0.009350935	1.0

<b>TOTAL WT.</b>	67.184	grams
<b>CO3 WT</b>	41.814	grams
<b>% CARBONATE</b>	62.238	

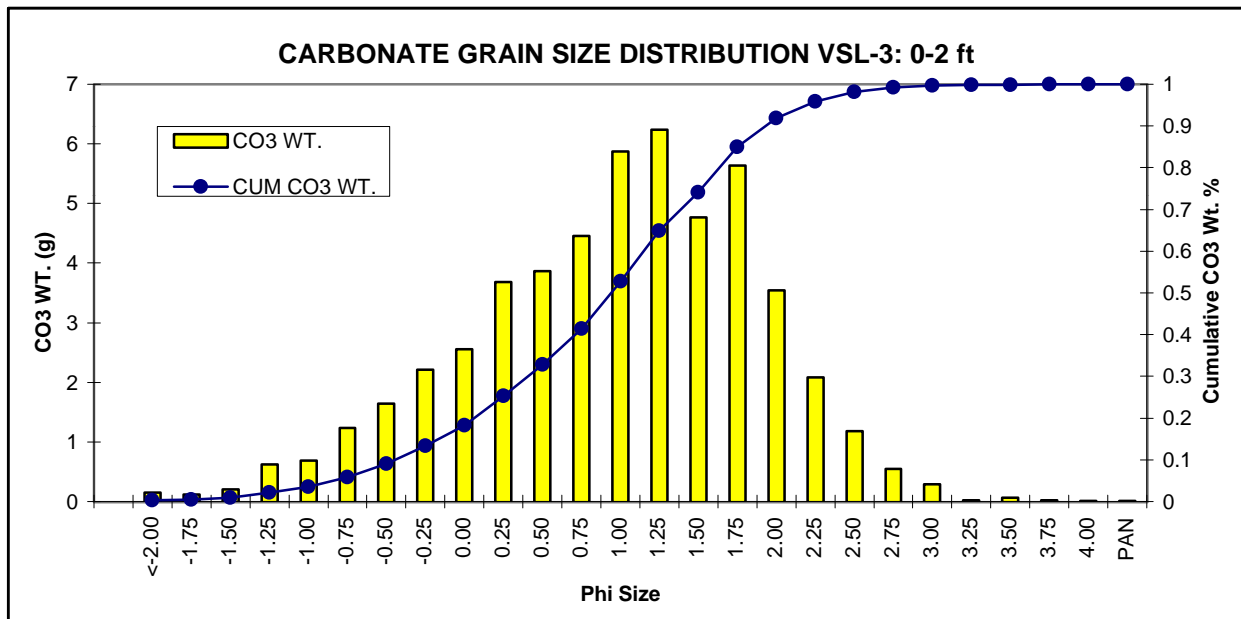


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-3 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.150	0.000	0.150	0.150	0.002900176	0.002900176
-1.75	0.119	0.000	0.119	0.269	0.002300806	0.005200982
-1.50	0.206	0.000	0.206	0.475	0.003982908	0.009183890
-1.25	0.623	0.000	0.623	1.098	0.012045397	0.021229288
-1.00	0.689	0.000	0.689	1.787	0.013321475	0.034550763
-0.75	1.236	0.000	1.236	3.023	0.023897450	0.058448213
-0.50	1.643	0.000	1.643	4.666	0.031766594	0.090214806
-0.25	2.208	0.000	2.208	6.874	0.042690590	0.132905396
0.00	2.555	0.000	2.555	9.429	0.049399664	0.182305060
0.25	3.691	0.005	3.686	13.115	0.071266990	0.253572050
0.50	3.874	0.007	3.867	16.982	0.074766536	0.328338586
0.75	4.502	0.048	4.454	21.436	0.086115891	0.414454477
1.00	6.089	0.220	5.869	27.305	0.113474217	0.527928694
1.25	6.884	0.649	6.235	33.540	0.120550647	0.648479341
1.50	5.814	1.045	4.769	38.309	0.092206261	0.740685602
1.75	7.480	1.847	5.633	43.942	0.108911274	0.849596876
2.00	4.677	1.138	3.539	47.481	0.068424818	0.918021693
2.25	2.661	0.575	2.086	49.567	0.040331780	0.958353473
2.50	1.407	0.225	1.182	50.749	0.022853386	0.981206860
2.75	0.688	0.138	0.550	51.299	0.010633978	0.991840838
3.00	0.467	0.175	0.292	51.591	0.005645676	0.997486514
3.25	0.042	0.018	0.024	51.615	0.000464028	0.997950542
3.50	0.270	0.208	0.062	51.677	0.001198739	0.999149282
3.75	0.108	0.090	0.018	51.695	0.000348021	0.999497303
4.00	0.091	0.081	0.010	51.705	0.000193345	0.999690648
PAN	0.054	0.038	0.016	51.721	0.000309352	1.0

<b>TOTAL WT.</b>	58.228	grams
<b>CO3 WT</b>	51.721	grams
<b>% CARBONATE</b>	88.825	

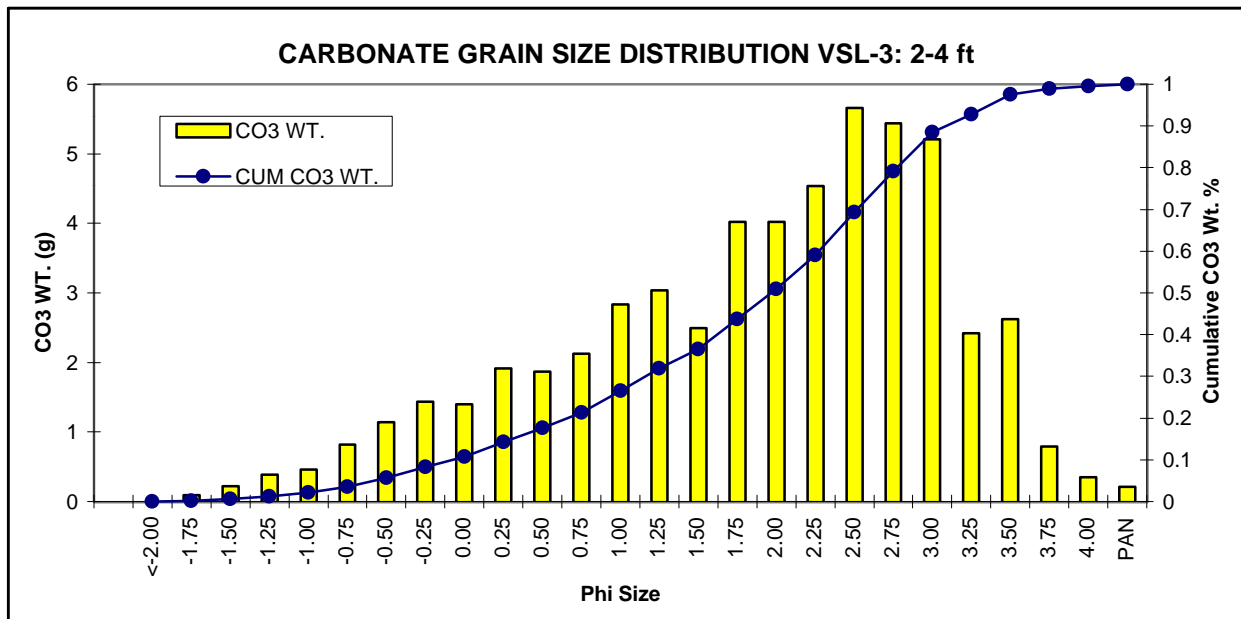


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-3 : 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	0.092	0.000	0.092	0.092	0.001657210	0.001657210
-1.50	0.221	0.000	0.221	0.313	0.003980906	0.005638116
-1.25	0.390	0.000	0.390	0.703	0.007025128	0.012663244
-1.00	0.460	0.000	0.460	1.163	0.008286049	0.020949293
-0.75	0.822	0.000	0.822	1.985	0.014806809	0.035756102
-0.50	1.141	0.000	1.141	3.126	0.020553004	0.056309106
-0.25	1.440	0.000	1.440	4.566	0.025938935	0.082248041
0.00	1.398	0.000	1.398	5.964	0.025182383	0.107430424
0.25	1.917	0.000	1.917	7.881	0.034531208	0.141961632
0.50	1.872	0.002	1.870	9.751	0.033684590	0.175646222
0.75	2.146	0.020	2.126	11.877	0.038295956	0.213942178
1.00	2.885	0.054	2.831	14.708	0.050995227	0.264937404
1.25	3.113	0.075	3.038	17.746	0.054723948	0.319661353
1.50	2.675	0.182	2.493	20.239	0.044906782	0.364568135
1.75	4.556	0.537	4.019	24.258	0.072394848	0.436962983
2.00	4.690	0.668	4.022	28.280	0.072448888	0.509411871
2.25	5.238	0.704	4.534	32.814	0.081671620	0.591083491
2.50	6.292	0.630	5.662	38.476	0.101990453	0.693073944
2.75	6.362	0.927	5.435	43.911	0.097901468	0.790975412
3.00	6.828	1.615	5.213	49.124	0.093902549	0.884877961
3.25	3.844	1.423	2.421	51.545	0.043609835	0.928487796
3.50	5.754	3.134	2.620	54.165	0.047194452	0.975682248
3.75	4.726	3.938	0.788	54.953	0.014194362	0.989876610
4.00	2.701	2.354	0.347	55.300	0.006250563	0.996127173
PAN	0.827	0.612	0.215	55.515	0.003872827	1.0

<b>TOTAL WT.</b>	72.390	grams
<b>CO3 WT</b>	55.515	grams
<b>% CARBONATE</b>	76.689	

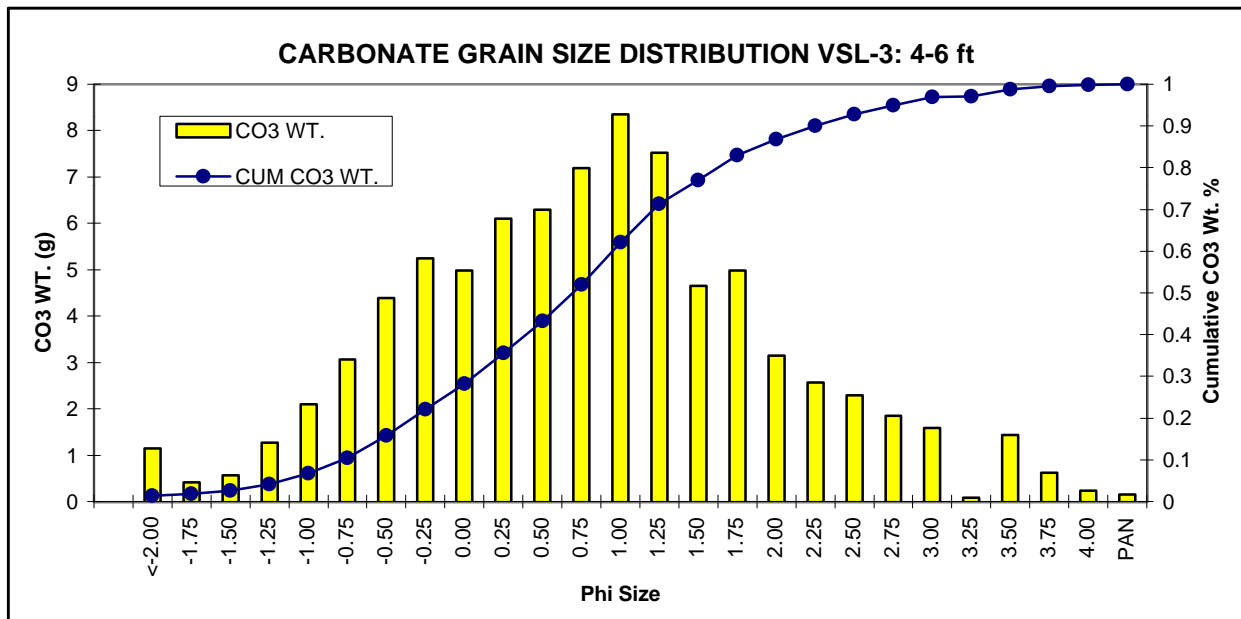


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-3 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.146	0.000	1.146	1.146	0.013937876	0.013937876
-1.75	0.419	0.000	0.419	1.565	0.005095960	0.019033835
-1.50	0.564	0.000	0.564	2.129	0.006859478	0.025893313
-1.25	1.276	0.000	1.276	3.405	0.015518961	0.041412274
-1.00	2.096	0.000	2.096	5.501	0.025491961	0.066904235
-0.75	3.062	0.000	3.062	8.563	0.037240641	0.104144876
-0.50	4.385	0.000	4.385	12.948	0.053331225	0.157476101
-0.25	5.248	0.000	5.248	18.196	0.063827200	0.221303301
0.00	4.984	0.002	4.982	23.178	0.060592056	0.281895356
0.25	6.126	0.029	6.097	29.275	0.074152903	0.356048260
0.50	6.443	0.152	6.291	35.566	0.076512369	0.432560629
0.75	7.821	0.632	7.189	42.755	0.087434020	0.519994649
1.00	9.443	1.094	8.349	51.104	0.101542166	0.621536815
1.25	8.536	1.016	7.520	58.624	0.091459707	0.712996522
1.50	5.533	0.885	4.648	63.272	0.056529883	0.769526404
1.75	6.333	1.346	4.987	68.259	0.060652867	0.830179271
2.00	4.162	1.017	3.145	71.404	0.038250103	0.868429374
2.25	3.216	0.651	2.565	73.969	0.031196030	0.899625404
2.50	2.687	0.396	2.291	76.260	0.027863589	0.927488993
2.75	2.280	0.434	1.846	78.106	0.022451412	0.949940405
3.00	2.265	0.681	1.584	79.690	0.019264917	0.969205322
3.25	0.597	0.508	0.089	79.779	0.001082435	0.970287758
3.50	1.807	0.377	1.430	81.209	0.017391939	0.987679696
3.75	0.919	0.294	0.625	81.834	0.007601372	0.995281068
4.00	0.573	0.342	0.231	82.065	0.002809467	0.998090535
PAN	0.269	0.112	0.157	82.222	0.001909465	1.0

<b>TOTAL WT.</b>	92.190	grams
<b>CO3 WT</b>	82.222	grams
<b>% CARBONATE</b>	89.188	

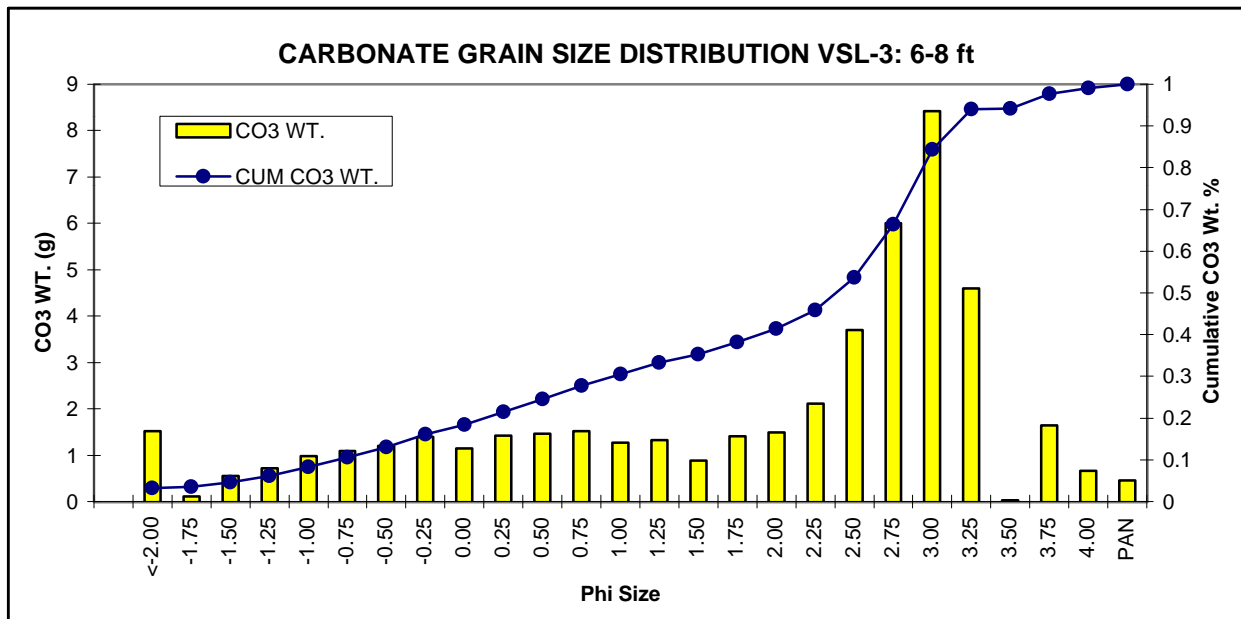


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-3 : 6-8ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.520	0.000	1.520	1.520	0.032253957	0.032253957
-1.75	0.115	0.000	0.115	1.635	0.002440267	0.034694224
-1.50	0.553	0.000	0.553	2.188	0.011734499	0.046428723
-1.25	0.712	0.000	0.712	2.900	0.015108433	0.061537156
-1.00	0.981	0.000	0.981	3.881	0.020816534	0.082353690
-0.75	1.095	0.004	1.091	4.972	0.023150702	0.105504392
-0.50	1.204	0.002	1.202	6.174	0.025506090	0.131010483
-0.25	1.393	0.000	1.393	7.567	0.029559054	0.160569537
0.00	1.148	0.007	1.141	8.708	0.024211688	0.184781225
0.25	1.437	0.021	1.416	10.124	0.030047108	0.214828333
0.50	1.545	0.082	1.463	11.587	0.031044434	0.245872767
0.75	1.671	0.154	1.517	13.104	0.032190298	0.278063065
1.00	1.399	0.124	1.275	14.379	0.027055129	0.305118194
1.25	1.397	0.075	1.322	15.701	0.028052455	0.333170649
1.50	1.031	0.141	0.890	16.591	0.018885541	0.352056190
1.75	1.657	0.246	1.411	18.002	0.029941009	0.381997199
2.00	1.778	0.285	1.493	19.495	0.031681025	0.413678224
2.25	2.408	0.300	2.108	21.603	0.044731146	0.458409371
2.50	4.103	0.401	3.702	25.305	0.078555362	0.536964733
2.75	7.184	1.173	6.011	31.316	0.127551670	0.664516403
3.00	11.688	3.267	8.421	39.737	0.178691168	0.843207571
3.25	7.716	3.114	4.602	44.339	0.097653100	0.940860671
3.50	7.777	7.746	0.031	44.370	0.000657811	0.941518482
3.75	5.785	4.144	1.641	46.011	0.034821542	0.976340025
4.00	3.746	3.087	0.659	46.670	0.013983788	0.990323813
PAN	1.389	0.933	0.456	47.126	0.009676187	1.0

<b>TOTAL WT.</b>	72.432	grams
<b>CO3 WT</b>	47.126	grams
<b>% CARBONATE</b>	65.062	



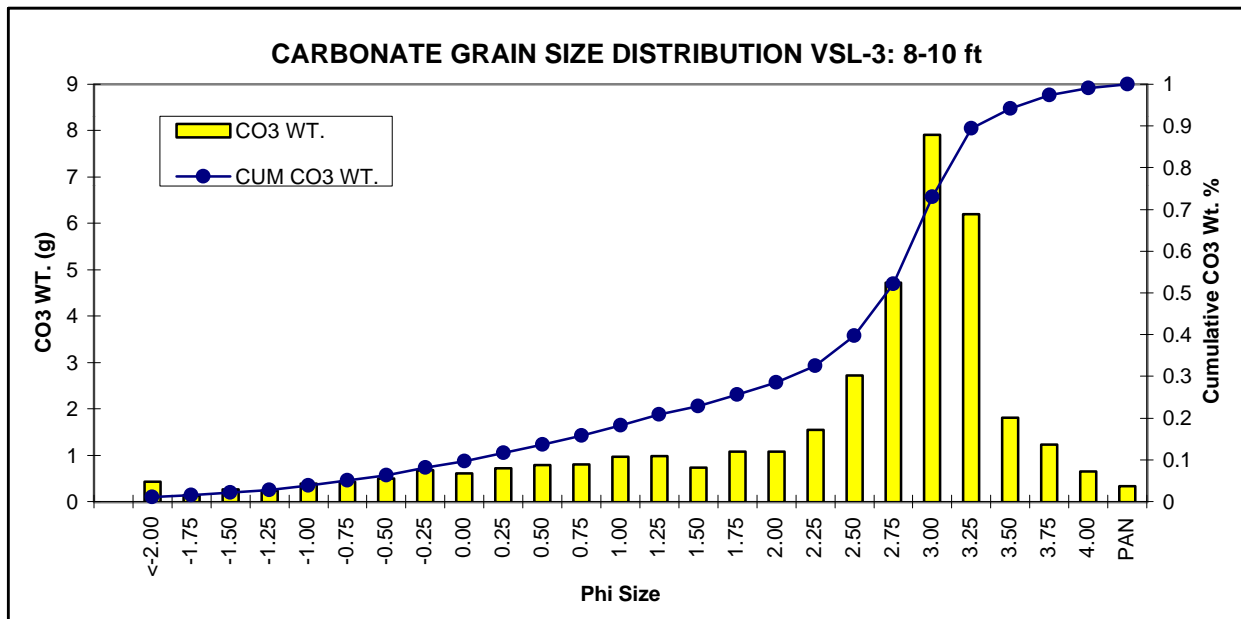


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-3 : 8-10ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.424	0.000	0.424	0.424	0.011178781	0.011178781
-1.75	0.144	0.000	0.144	0.568	0.003796567	0.014975349
-1.50	0.265	0.000	0.265	0.833	0.006986738	0.021962087
-1.25	0.241	0.000	0.241	1.074	0.006353977	0.028316064
-1.00	0.390	0.000	0.390	1.464	0.010282370	0.038598434
-0.75	0.429	0.002	0.427	1.891	0.011257877	0.049856310
-0.50	0.504	0.002	0.502	2.393	0.013235255	0.063091566
-0.25	0.672	0.000	0.672	3.065	0.017717314	0.080808880
0.00	0.610	0.002	0.608	3.673	0.016029951	0.096838830
0.25	0.727	0.005	0.722	4.395	0.019035566	0.115874397
0.50	0.805	0.014	0.791	5.186	0.020854755	0.136729152
0.75	0.838	0.041	0.797	5.983	0.021012945	0.157742097
1.00	1.030	0.065	0.965	6.948	0.025442274	0.183184371
1.25	1.040	0.065	0.975	7.923	0.025705924	0.208890295
1.50	0.816	0.088	0.728	8.651	0.019193757	0.228084052
1.75	1.292	0.214	1.078	9.729	0.028421524	0.256505576
2.00	1.308	0.232	1.076	10.805	0.028368794	0.284874371
2.25	1.783	0.238	1.545	12.350	0.040734003	0.325608374
2.50	3.004	0.285	2.719	15.069	0.071686572	0.397294946
2.75	5.645	0.928	4.717	19.786	0.124363943	0.521658889
3.00	10.703	2.792	7.911	27.697	0.208573914	0.730232803
3.25	9.746	3.552	6.194	33.891	0.163305123	0.893537926
3.50	10.485	8.671	1.814	35.705	0.047826202	0.941364128
3.75	7.866	6.631	1.235	36.940	0.032560837	0.973924965
4.00	5.328	4.677	0.651	37.591	0.017163648	0.991088613
PAN	1.926	1.588	0.338	37.929	0.008911387	1.0

<b>TOTAL WT.</b>	68.021	grams
<b>CO3 WT</b>	37.929	grams
<b>% CARBONATE</b>	55.761	

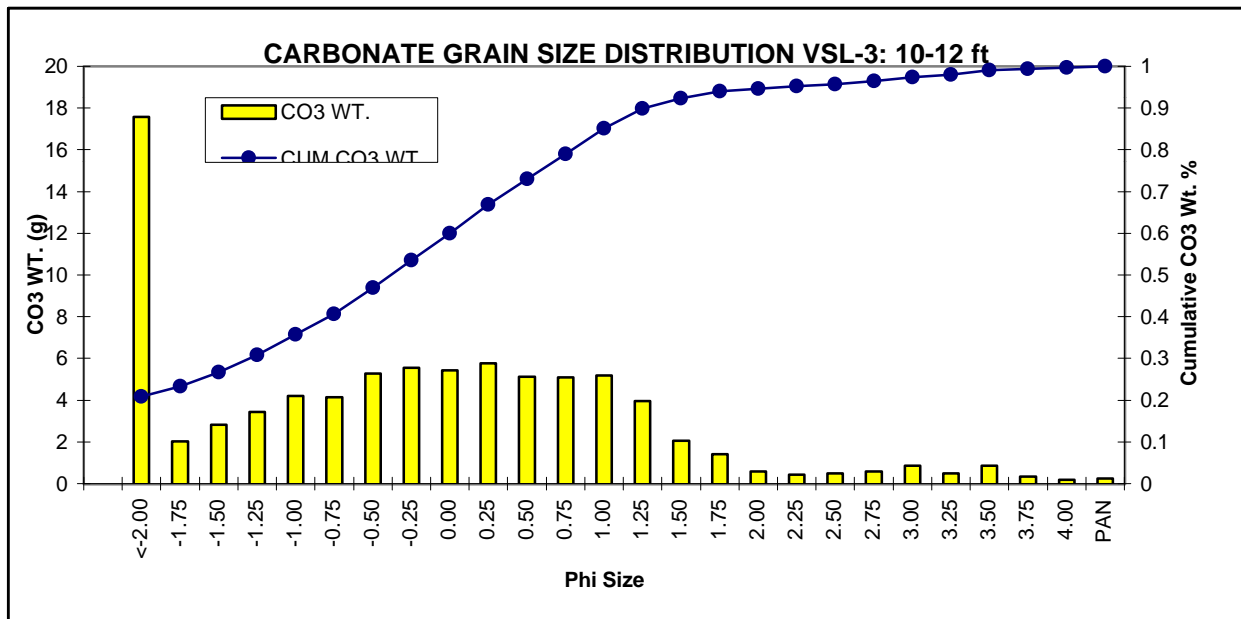


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-3 : 10-12ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	17.585	0.000	17.585	17.585	0.209001878	0.209001878
-1.75	2.033	0.000	2.033	19.618	0.024162685	0.233164563
-1.50	2.837	0.000	2.837	22.455	0.033718415	0.266882978
-1.25	3.441	0.000	3.441	25.896	0.040897098	0.307780076
-1.00	4.199	0.000	4.199	30.095	0.049906107	0.357686182
-0.75	4.150	0.000	4.150	34.245	0.049323730	0.407009912
-0.50	5.268	0.000	5.268	39.513	0.062611424	0.469621336
-0.25	5.572	0.005	5.567	45.080	0.066165110	0.535786446
0.00	5.447	0.013	5.434	50.514	0.064584373	0.600370819
0.25	5.854	0.078	5.776	56.290	0.068649124	0.669019943
0.50	5.306	0.175	5.131	61.421	0.060983147	0.730003090
0.75	5.532	0.438	5.094	66.515	0.060543393	0.790546483
1.00	5.863	0.694	5.169	71.684	0.061434786	0.851981269
1.25	4.334	0.381	3.953	75.637	0.046982339	0.898963607
1.50	2.277	0.228	2.049	77.686	0.024352849	0.923316456
1.75	1.678	0.262	1.416	79.102	0.016829494	0.940145951
2.00	0.750	0.170	0.580	79.682	0.006893437	0.947039388
2.25	0.532	0.112	0.420	80.102	0.004991799	0.952031187
2.50	0.561	0.085	0.476	80.578	0.005657372	0.957688559
2.75	0.736	0.156	0.580	81.158	0.006893437	0.964581996
3.00	1.229	0.381	0.848	82.006	0.010078680	0.974660677
3.25	0.988	0.511	0.477	82.483	0.005669258	0.980329934
3.50	2.000	1.147	0.853	83.336	0.010138106	0.990468041
3.75	1.708	1.360	0.348	83.684	0.004136062	0.994604103
4.00	1.255	1.058	0.197	83.881	0.002341392	0.996945494
PAN	0.700	0.443	0.257	84.138	0.003054506	1.0

<b>TOTAL WT.</b>	91.835	grams
<b>CO3 WT</b>	84.138	grams
<b>% CARBONATE</b>	91.619	

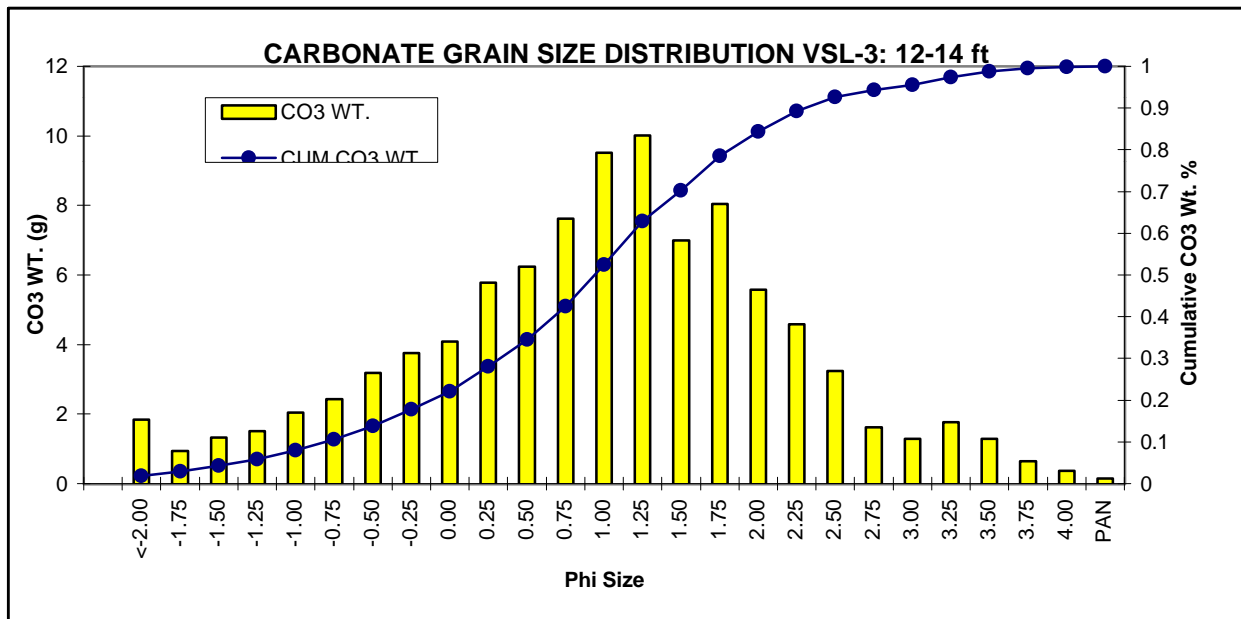


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-3 : 12-14ft

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	0.019169562	0.019169562
-1.75	0.935	0.000	0.935	2.772	0.009756963	0.028926525
-1.50	1.326	0.000	1.326	4.098	0.013837147	0.042763673
-1.25	1.516	0.000	1.516	5.614	0.015819846	0.058583519
-1.00	2.039	0.000	2.039	7.653	0.021277484	0.079861002
-0.75	2.429	0.000	2.429	10.082	0.025347233	0.105208236
-0.50	3.180	0.000	3.180	13.262	0.033184109	0.138392345
-0.25	3.755	0.000	3.755	17.017	0.039184381	0.177576725
0.00	4.103	0.010	4.093	21.110	0.042711497	0.220288222
0.25	5.806	0.036	5.770	26.880	0.060211418	0.280499640
0.50	6.360	0.114	6.246	33.126	0.065178599	0.345678239
0.75	8.021	0.393	7.628	40.754	0.079600121	0.425278360
1.00	10.665	1.148	9.517	50.271	0.099312317	0.524590677
1.25	11.573	1.561	10.012	60.283	0.104477768	0.629068445
1.50	8.675	1.677	6.998	67.281	0.073025911	0.702094356
1.75	10.670	2.632	8.038	75.319	0.083878575	0.785972931
2.00	7.456	1.878	5.578	80.897	0.058207849	0.844180780
2.25	5.646	1.066	4.580	85.477	0.047793465	0.891974246
2.50	3.684	0.445	3.239	88.716	0.033799789	0.925774035
2.75	1.838	0.215	1.623	90.339	0.016936418	0.942710453
3.00	1.666	0.377	1.289	91.628	0.013451043	0.956161496
3.25	2.685	0.922	1.763	93.391	0.018397354	0.974558850
3.50	3.919	2.627	1.292	94.683	0.013482349	0.988041198
3.75	2.228	1.589	0.639	95.322	0.006668128	0.994709326
4.00	1.648	1.283	0.365	95.687	0.003808868	0.998518194
PAN	0.783	0.641	0.142	95.829	0.001481806	1.0

<b>TOTAL WT.</b>	114.443	grams
<b>CO3 WT</b>	95.829	grams
<b>% CARBONATE</b>	83.735	

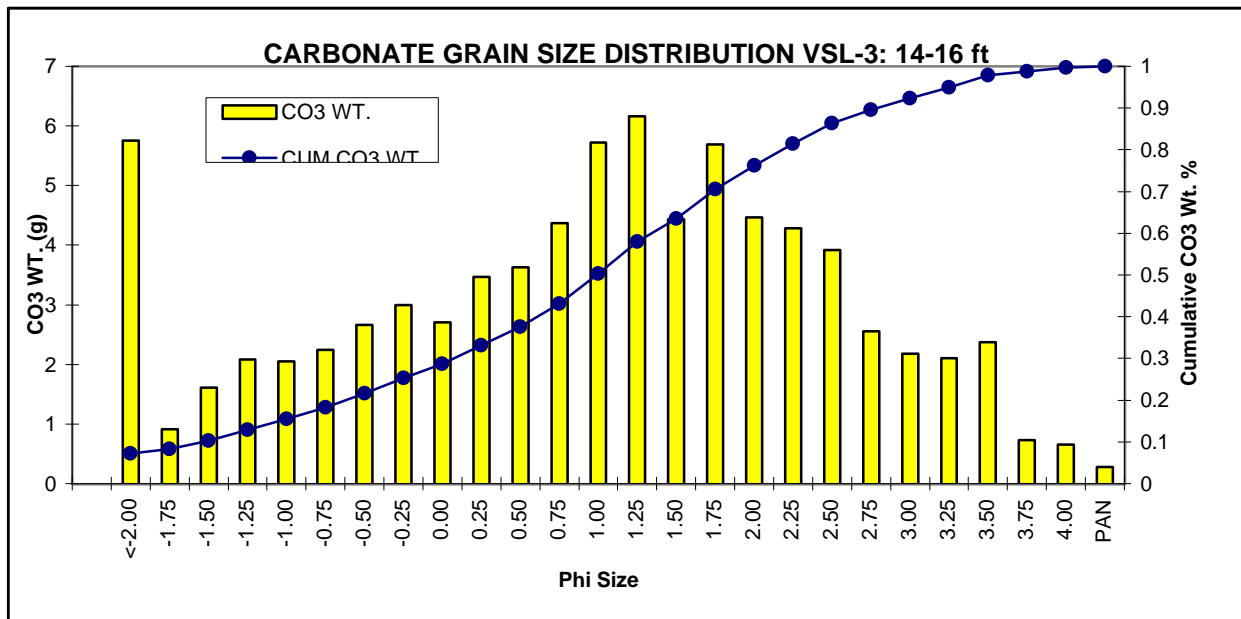


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-3 : 14-16ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	5.755	0.000	5.755	5.755	0.071894363	0.071894363
-1.75	0.908	0.000	0.908	6.663	0.011343194	0.083237557
-1.50	1.614	0.000	1.614	8.277	0.020162902	0.103400460
-1.25	2.086	0.000	2.086	10.363	0.026059364	0.129459824
-1.00	2.050	0.004	2.046	12.409	0.025559664	0.155019488
-0.75	2.254	0.008	2.246	14.655	0.028058165	0.183077653
-0.50	2.672	0.013	2.659	17.314	0.033217569	0.216295223
-0.25	3.008	0.017	2.991	20.305	0.037365081	0.253660304
0.00	2.716	0.006	2.710	23.015	0.033854687	0.287514991
0.25	3.496	0.025	3.471	26.486	0.043361483	0.330876474
0.50	3.689	0.056	3.633	30.119	0.045385269	0.376261743
0.75	4.564	0.196	4.368	34.487	0.054567260	0.430829003
1.00	6.356	0.629	5.727	40.214	0.071544573	0.502373576
1.25	7.002	0.840	6.162	46.376	0.076978813	0.579352389
1.50	5.411	0.980	4.431	50.807	0.055354287	0.634706676
1.75	7.409	1.719	5.690	56.497	0.071082351	0.705789027
2.00	5.846	1.385	4.461	60.958	0.055729063	0.761518089
2.25	5.251	0.966	4.285	65.243	0.053530382	0.815048471
2.50	4.450	0.528	3.922	69.165	0.048995603	0.864044074
2.75	2.922	0.370	2.552	71.717	0.031880871	0.895924945
3.00	2.782	0.598	2.184	73.901	0.027283630	0.923208575
3.25	3.296	1.190	2.106	76.007	0.026309214	0.949517789
3.50	5.374	3.002	2.372	78.379	0.029632221	0.979150010
3.75	3.152	2.424	0.728	79.107	0.009094543	0.988244553
4.00	2.527	1.869	0.658	79.765	0.008220068	0.996464621
PAN	1.397	1.114	0.283	80.048	0.003535379	1.0

<b>TOTAL WT.</b>	97.987	grams
<b>CO3 WT</b>	80.048	grams
<b>% CARBONATE</b>	81.692	

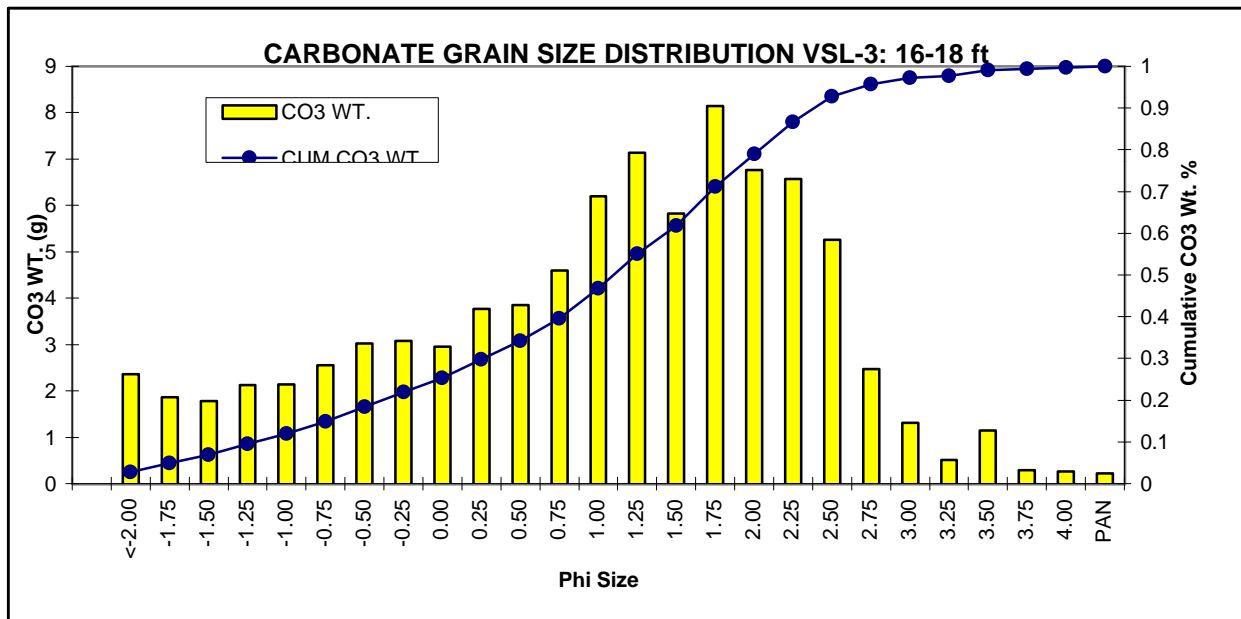


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-3 : 16-18ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.363	0.000	2.363	2.363	0.027407270	0.027407270
-1.75	1.862	0.000	1.862	4.225	0.021596418	0.049003688
-1.50	1.787	0.000	1.787	6.012	0.020726530	0.069730219
-1.25	2.123	0.000	2.123	8.135	0.024623628	0.094353847
-1.00	2.136	0.000	2.136	10.271	0.024774409	0.119128256
-0.75	2.554	0.000	2.554	12.825	0.029622585	0.148750841
-0.50	3.024	0.006	3.018	15.843	0.035004291	0.183755132
-0.25	3.086	0.001	3.085	18.928	0.035781391	0.219536524
0.00	2.961	0.010	2.951	21.879	0.034227192	0.253763715
0.25	3.786	0.022	3.764	25.643	0.043656777	0.297420492
0.50	3.907	0.061	3.846	29.489	0.044607855	0.342028347
0.75	4.803	0.200	4.603	34.092	0.053387924	0.395416270
1.00	6.838	0.643	6.195	40.287	0.071852745	0.467269016
1.25	8.310	1.168	7.142	47.429	0.082836531	0.550105546
1.50	7.325	1.502	5.823	53.252	0.067538101	0.617643647
1.75	11.088	2.950	8.138	61.390	0.094388643	0.712032290
2.00	9.694	2.927	6.767	68.157	0.078487091	0.790519381
2.25	8.288	1.713	6.575	74.732	0.076260178	0.866779559
2.50	6.027	0.766	5.261	79.993	0.061019741	0.927799299
2.75	2.846	0.381	2.465	82.458	0.028590318	0.956389617
3.00	1.667	0.350	1.317	83.775	0.015275233	0.971664850
3.25	1.010	0.494	0.516	84.291	0.005984829	0.977649679
3.50	2.230	1.081	1.149	85.440	0.013326684	0.990976362
3.75	1.132	0.844	0.288	85.728	0.003340370	0.994316732
4.00	0.834	0.570	0.264	85.992	0.003062006	0.997378738
PAN	0.722	0.496	0.226	86.218	0.002621262	1.0

<b>TOTAL WT.</b>	102.403	grams
<b>CO3 WT</b>	86.218	grams
<b>% CARBONATE</b>	84.195	

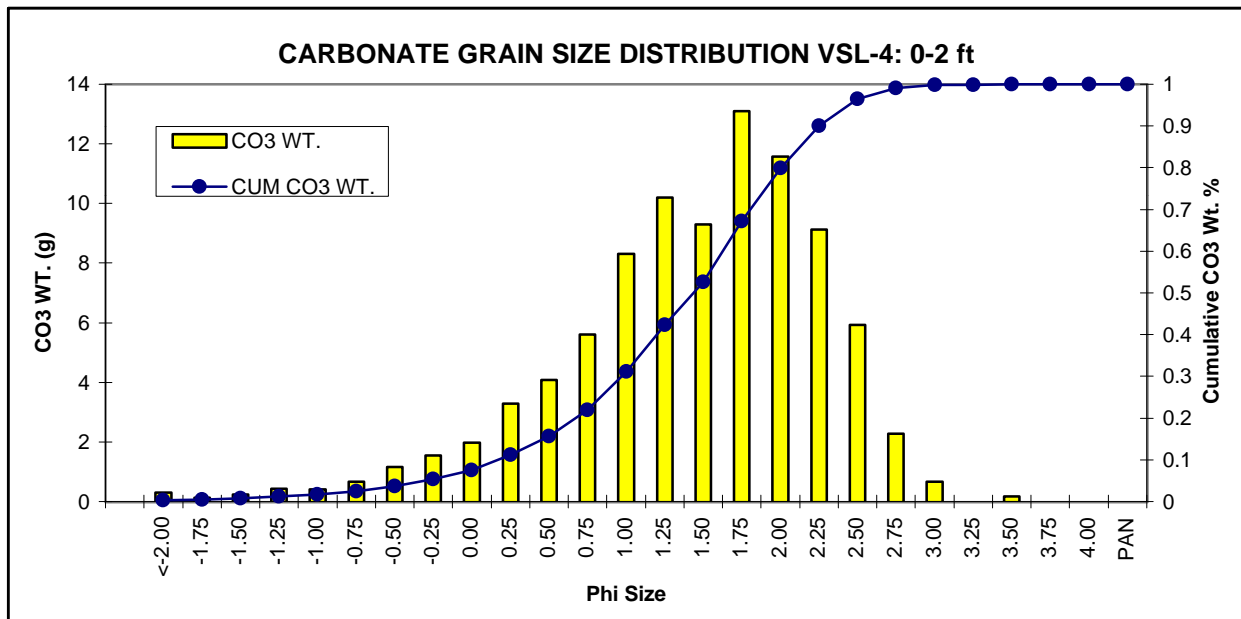


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-4 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.308	0.000	0.308	0.308	0.003404255	0.003404255
-1.75	0.131	0.000	0.131	0.439	0.001447914	0.004852169
-1.50	0.229	0.000	0.229	0.668	0.002531086	0.007383255
-1.25	0.432	0.000	0.432	1.100	0.004774800	0.012158055
-1.00	0.398	0.000	0.398	1.498	0.004399005	0.016557060
-0.75	0.675	0.000	0.675	2.173	0.007460624	0.024017684
-0.50	1.155	0.003	1.152	3.325	0.012732799	0.036750484
-0.25	1.536	0.000	1.536	4.861	0.016977065	0.053727549
0.00	1.970	0.001	1.969	6.830	0.021762918	0.075490467
0.25	3.296	0.002	3.294	10.124	0.036407847	0.111898314
0.50	4.075	0.004	4.071	14.195	0.044995855	0.156894170
0.75	5.624	0.012	5.612	19.807	0.062028185	0.218922354
1.00	8.386	0.072	8.314	28.121	0.091892788	0.310815142
1.25	10.572	0.362	10.210	38.331	0.112848853	0.423663996
1.50	10.404	1.112	9.292	47.623	0.102702404	0.526366400
1.75	16.999	3.903	13.096	60.719	0.144747168	0.671113567
2.00	16.946	5.374	11.572	72.291	0.127902736	0.799016303
2.25	13.802	4.669	9.133	81.424	0.100945012	0.899961315
2.50	7.930	2.002	5.928	87.352	0.065520862	0.965482177
2.75	2.816	0.547	2.269	89.621	0.025078751	0.990560928
3.00	0.918	0.258	0.660	90.281	0.007294833	0.997855761
3.25	0.120	0.116	0.004	90.285	0.000044211	0.997899972
3.50	0.368	0.190	0.178	90.463	0.001967394	0.999867367
3.75	0.159	0.155	0.004	90.467	0.000044211	0.999911578
4.00	0.121	0.116	0.005	90.472	0.000055264	0.999966842
PAN	0.102	0.099	0.003	90.475	0.000033158	1.0

<b>TOTAL WT.</b>	109.472	grams
<b>CO3 WT</b>	90.475	grams
<b>% CARBONATE</b>	82.647	

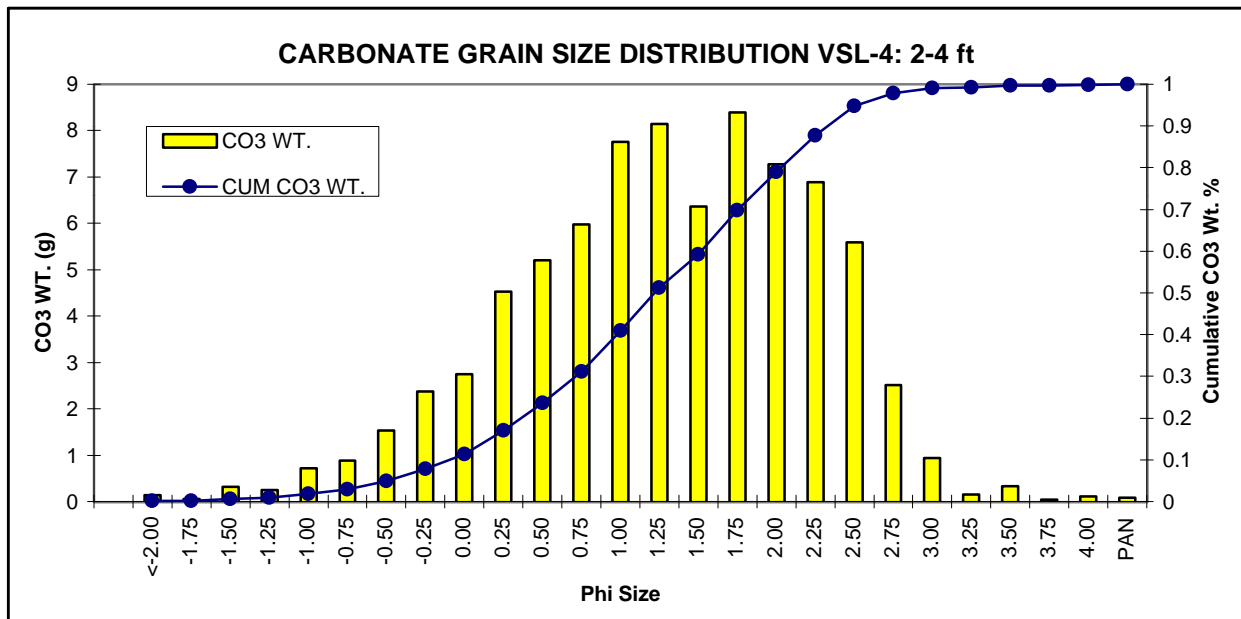


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-4 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.133	0.000	0.133	0.133	0.001677789	0.001677789
-1.75	0.049	0.000	0.049	0.182	0.000618133	0.002295922
-1.50	0.313	0.000	0.313	0.495	0.003948481	0.006244402
-1.25	0.244	0.000	0.244	0.739	0.003078049	0.009322451
-1.00	0.718	0.000	0.718	1.457	0.009057537	0.018379988
-0.75	0.885	0.000	0.885	2.342	0.011164234	0.029544222
-0.50	1.528	0.000	1.528	3.870	0.019275649	0.048819871
-0.25	2.372	0.000	2.372	6.242	0.029922670	0.078742541
0.00	2.743	0.000	2.743	8.985	0.034602818	0.113345360
0.25	4.527	0.000	4.527	13.512	0.057107896	0.170453255
0.50	5.209	0.003	5.206	18.718	0.065673449	0.236126705
0.75	5.992	0.012	5.980	24.698	0.075437424	0.311564128
1.00	7.842	0.086	7.756	32.454	0.097841581	0.409405710
1.25	8.424	0.278	8.146	40.600	0.102761413	0.512167123
1.50	7.147	0.789	6.358	46.958	0.080205876	0.592372999
1.75	10.564	2.177	8.387	55.345	0.105801617	0.698174616
2.00	9.777	2.504	7.273	62.618	0.091748559	0.789923175
2.25	9.022	2.131	6.891	69.509	0.086929646	0.876852821
2.50	6.976	1.385	5.591	75.100	0.070530207	0.947383028
2.75	3.061	0.552	2.509	77.609	0.031650919	0.979033947
3.00	1.230	0.286	0.944	78.553	0.011908516	0.990942463
3.25	0.350	0.195	0.155	78.708	0.001955318	0.992897781
3.50	0.548	0.212	0.336	79.044	0.004238624	0.997136405
3.75	0.381	0.345	0.036	79.080	0.000454138	0.997590544
4.00	0.436	0.321	0.115	79.195	0.001450720	0.999041264
PAN	0.328	0.252	0.076	79.271	0.000958736	1.0

<b>TOTAL WT.</b>	90.799	grams
<b>CO3 WT</b>	79.271	grams
<b>% CARBONATE</b>	87.304	

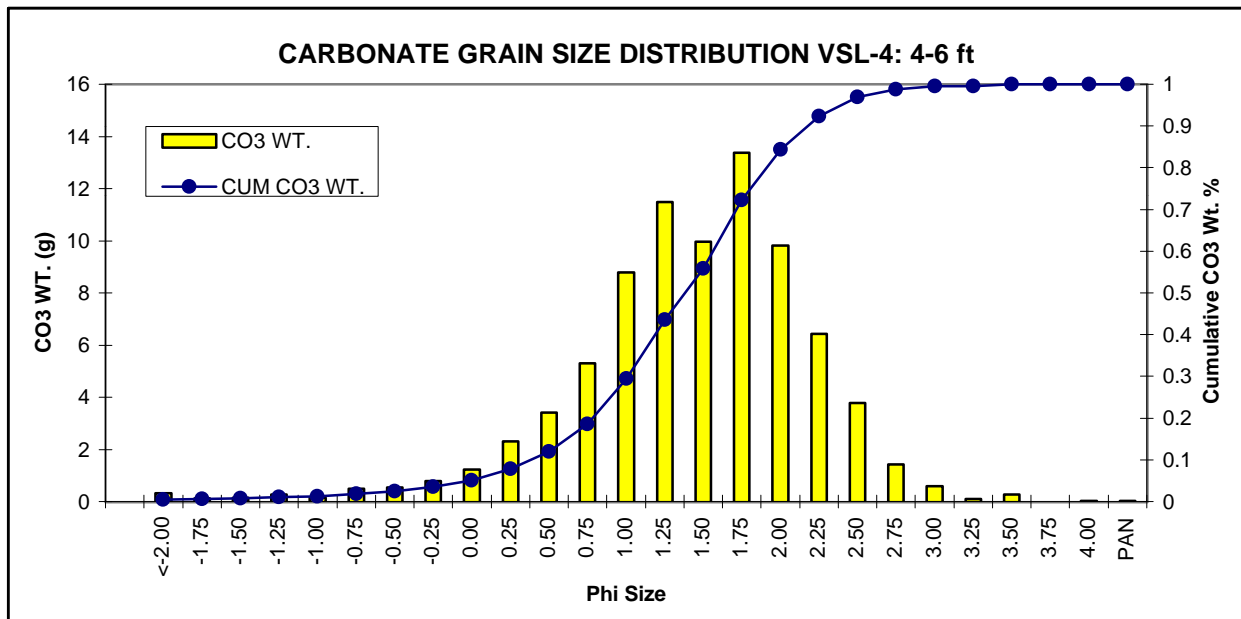


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-4 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.326	0.000	0.326	0.326	0.004018242	0.004018242
-1.75	0.117	0.000	0.117	0.443	0.001442130	0.005460372
-1.50	0.149	0.000	0.149	0.592	0.001836559	0.007296931
-1.25	0.264	0.000	0.264	0.856	0.003254037	0.010550968
-1.00	0.152	0.000	0.152	1.008	0.001873536	0.012424504
-0.75	0.483	0.000	0.483	1.491	0.005953408	0.018377912
-0.50	0.546	0.000	0.546	2.037	0.006729940	0.025107852
-0.25	0.793	0.000	0.793	2.830	0.009774436	0.034882288
0.00	1.225	0.000	1.225	4.055	0.015099223	0.049981511
0.25	2.304	0.000	2.304	6.359	0.028398866	0.078380377
0.50	3.408	0.000	3.408	9.767	0.042006656	0.120387033
0.75	5.311	0.011	5.300	15.067	0.065327253	0.185714286
1.00	9.007	0.221	8.786	23.853	0.108295328	0.294009614
1.25	13.018	1.539	11.479	35.332	0.141488968	0.435498583
1.50	12.988	3.018	9.970	45.302	0.122889190	0.558387773
1.75	19.906	6.540	13.366	58.668	0.164747935	0.723135708
2.00	16.172	6.357	9.815	68.483	0.120978676	0.844114384
2.25	10.846	4.414	6.432	74.915	0.079280168	0.923394552
2.50	5.308	1.538	3.770	78.685	0.046468631	0.969863183
2.75	1.814	0.388	1.426	80.111	0.017576729	0.987439911
3.00	0.873	0.278	0.595	80.706	0.007333909	0.994773820
3.25	0.341	0.241	0.100	80.806	0.001232590	0.996006409
3.50	0.548	0.276	0.272	81.078	0.003352644	0.999359053
3.75	0.348	0.340	0.008	81.086	0.000098607	0.999457661
4.00	0.275	0.247	0.028	81.114	0.000345125	0.999802786
PAN	0.145	0.129	0.016	81.130	0.000197214	1.0

<b>TOTAL WT.</b>	106.667	grams
<b>CO3 WT</b>	81.130	grams
<b>% CARBONATE</b>	76.059	



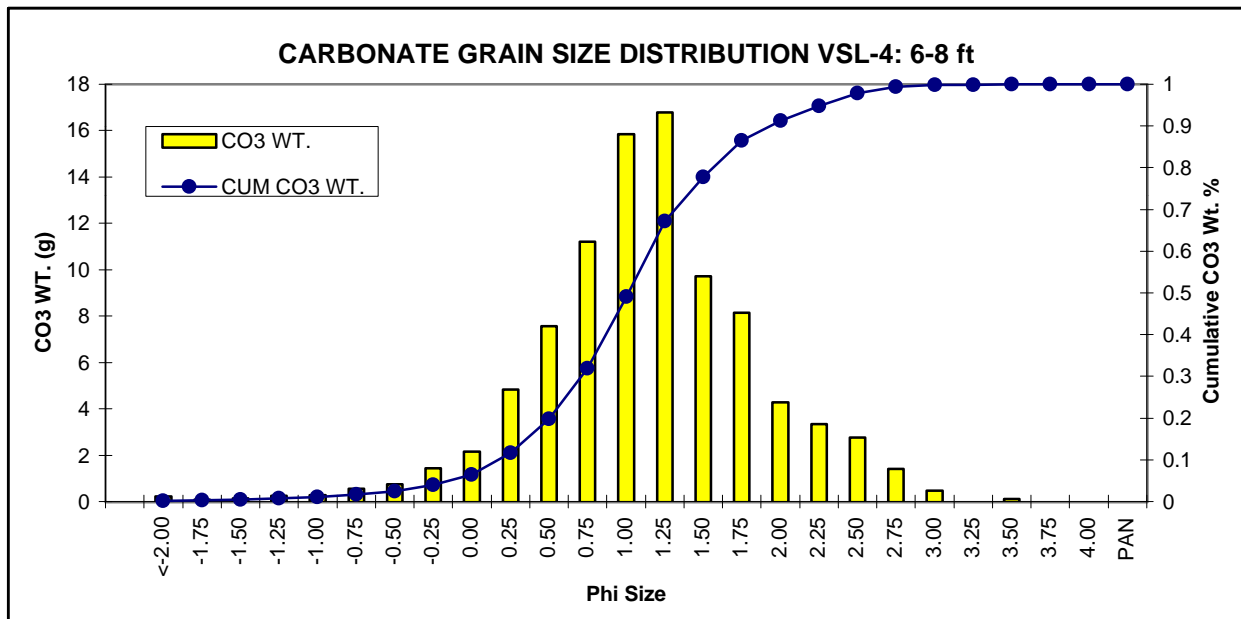


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-4 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.208	0.000	0.208	0.208	0.002250790	0.002250790
-1.75	0.095	0.000	0.095	0.303	0.001028005	0.003278795
-1.50	0.147	0.000	0.147	0.450	0.001590703	0.004869497
-1.25	0.255	0.000	0.255	0.705	0.002759382	0.007628879
-1.00	0.280	0.000	0.280	0.985	0.003029910	0.010658789
-0.75	0.545	0.000	0.545	1.530	0.005897502	0.016556291
-0.50	0.753	0.000	0.753	2.283	0.008148292	0.024704584
-0.25	1.445	0.000	1.445	3.728	0.015636497	0.040341081
0.00	2.167	0.000	2.167	5.895	0.023449336	0.063790417
0.25	4.825	0.000	4.825	10.720	0.052211834	0.116002251
0.50	7.561	0.000	7.561	18.281	0.081818379	0.197820629
0.75	11.267	0.051	11.216	29.497	0.121369519	0.319190148
1.00	16.534	0.690	15.844	45.341	0.171449595	0.490639744
1.25	19.925	3.130	16.795	62.136	0.181740467	0.672380210
1.50	13.266	3.541	9.725	71.861	0.105235251	0.777615461
1.75	11.784	3.644	8.140	80.001	0.088083799	0.865699260
2.00	6.258	1.968	4.290	84.291	0.046422543	0.912121802
2.25	4.732	1.381	3.351	87.642	0.036261524	0.948383327
2.50	3.630	0.857	2.773	90.415	0.030006926	0.978390252
2.75	1.798	0.401	1.397	91.812	0.015117084	0.993507337
3.00	0.653	0.194	0.459	92.271	0.004966887	0.998474224
3.25	0.064	0.056	0.008	92.279	0.000086569	0.998560793
3.50	0.258	0.141	0.117	92.396	0.001266069	0.999826862
3.75	0.118	0.110	0.008	92.404	0.000086569	0.999913431
4.00	0.096	0.091	0.005	92.409	0.000054106	0.999967537
PAN	0.057	0.054	0.003	92.412	0.000032463	1.0

<b>TOTAL WT.</b>	108.721	grams
<b>CO3 WT</b>	92.412	grams
<b>% CARBONATE</b>	84.999	

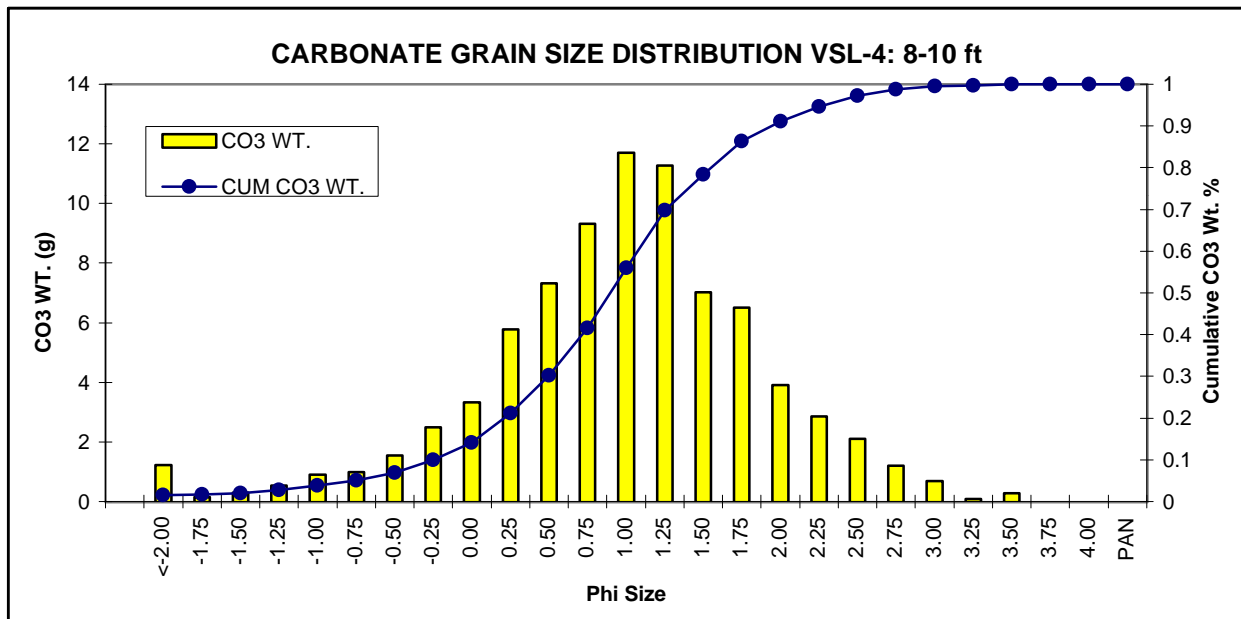


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-4 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.216	0.000	1.216	1.216	0.014917134	0.014917134
-1.75	0.156	0.000	0.156	1.372	0.001913711	0.016830845
-1.50	0.300	0.000	0.300	1.672	0.003680214	0.020511059
-1.25	0.539	0.000	0.539	2.211	0.006612118	0.027123177
-1.00	0.910	0.000	0.910	3.121	0.011163316	0.038286492
-0.75	0.996	0.000	0.996	4.117	0.012218310	0.050504803
-0.50	1.536	0.000	1.536	5.653	0.018842695	0.069347498
-0.25	2.491	0.000	2.491	8.144	0.030558043	0.099905541
0.00	3.334	0.000	3.334	11.478	0.040899444	0.140804985
0.25	5.767	0.000	5.767	17.245	0.070745979	0.211550965
0.50	7.331	0.004	7.327	24.572	0.089883092	0.301434057
0.75	9.378	0.053	9.325	33.897	0.114393317	0.415827373
1.00	12.331	0.634	11.697	45.594	0.143491542	0.559318915
1.25	13.416	2.143	11.273	56.867	0.138290173	0.697609088
1.50	9.353	2.323	7.030	63.897	0.086239680	0.783848768
1.75	10.113	3.611	6.502	70.399	0.079762504	0.863611271
2.00	6.299	2.396	3.903	74.302	0.047879583	0.911490855
2.25	4.215	1.366	2.849	77.151	0.034949765	0.946440620
2.50	2.807	0.702	2.105	79.256	0.025822835	0.972263454
2.75	1.606	0.399	1.207	80.463	0.014806727	0.987070182
3.00	1.047	0.361	0.686	81.149	0.008415423	0.995485604
3.25	0.337	0.259	0.078	81.227	0.000956856	0.996442460
3.50	0.520	0.245	0.275	81.502	0.003373529	0.999815989
3.75	0.177	0.170	0.007	81.509	0.000085872	0.999901861
4.00	0.120	0.116	0.004	81.513	0.000049070	0.999950930
PAN	0.083	0.079	0.004	81.517	0.000049070	1.0

<b>TOTAL WT.</b>	96.378	grams
<b>CO3 WT</b>	81.517	grams
<b>% CARBONATE</b>	84.581	

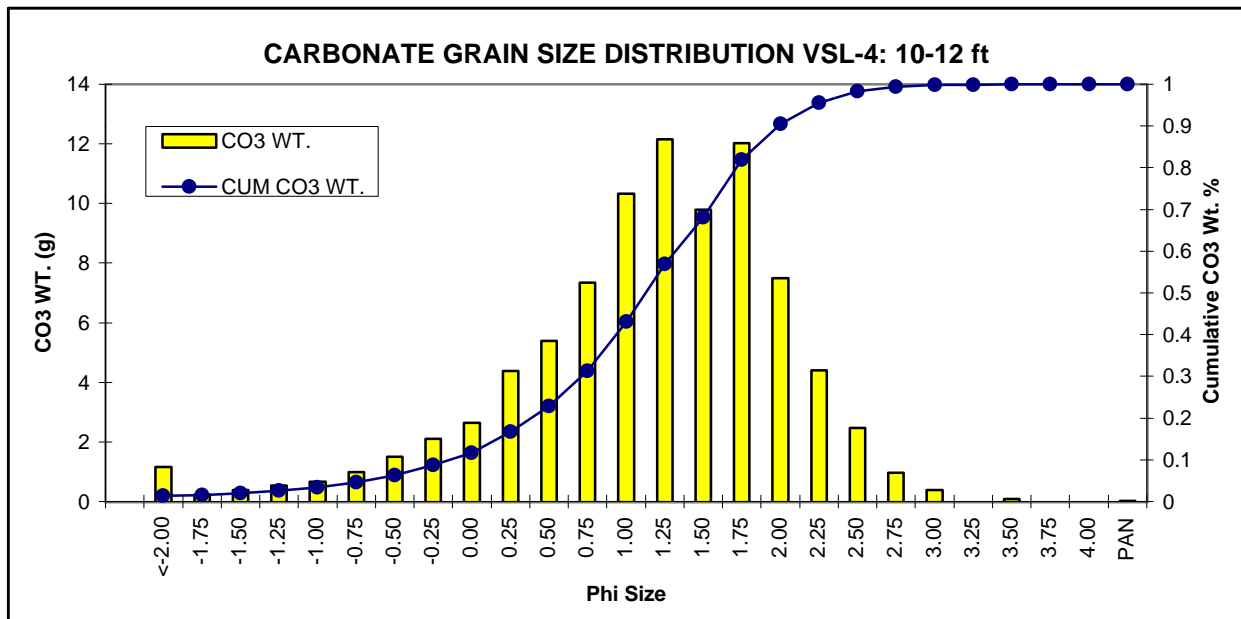


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-4 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.163	0.000	1.163	1.163	0.013295683	0.013295683
-1.75	0.245	0.000	0.245	1.408	0.002800896	0.016096579
-1.50	0.386	0.000	0.386	1.794	0.004412841	0.020509420
-1.25	0.528	0.000	0.528	2.322	0.006036217	0.026545637
-1.00	0.668	0.000	0.668	2.990	0.007636729	0.034182367
-0.75	0.989	0.000	0.989	3.979	0.011306475	0.045488842
-0.50	1.513	0.000	1.513	5.492	0.017296964	0.062785806
-0.25	2.112	0.000	2.112	7.604	0.024144869	0.086930675
0.00	2.641	0.000	2.641	10.245	0.030192519	0.117123194
0.25	4.379	0.000	4.379	14.624	0.050061734	0.167184928
0.50	5.395	0.003	5.392	20.016	0.061642583	0.228827511
0.75	7.361	0.023	7.338	27.354	0.083889702	0.312717212
1.00	10.542	0.222	10.320	37.674	0.117980611	0.430697823
1.25	13.442	1.290	12.152	49.826	0.138924456	0.569622279
1.50	12.738	2.940	9.798	59.624	0.112012987	0.681635266
1.75	19.345	7.330	12.015	71.639	0.137358240	0.818993506
2.00	12.800	5.303	7.497	79.136	0.085707426	0.904700933
2.25	7.125	2.720	4.405	83.541	0.050358972	0.955059905
2.50	3.367	0.889	2.478	86.019	0.028329065	0.983388970
2.75	1.265	0.299	0.966	86.985	0.011043534	0.994432504
3.00	0.605	0.221	0.384	87.369	0.004389976	0.998822480
3.25	0.140	0.136	0.004	87.373	0.000045729	0.998868209
3.50	0.277	0.193	0.084	87.457	0.000960307	0.999828517
3.75	0.117	0.115	0.002	87.459	0.000022864	0.999851381
4.00	0.098	0.096	0.002	87.461	0.000022864	0.999874245
PAN	0.080	0.069	0.011	87.472	0.000125755	1.0

<b>TOTAL WT.</b>	109.321	grams
<b>CO3 WT</b>	87.472	grams
<b>% CARBONATE</b>	80.014	

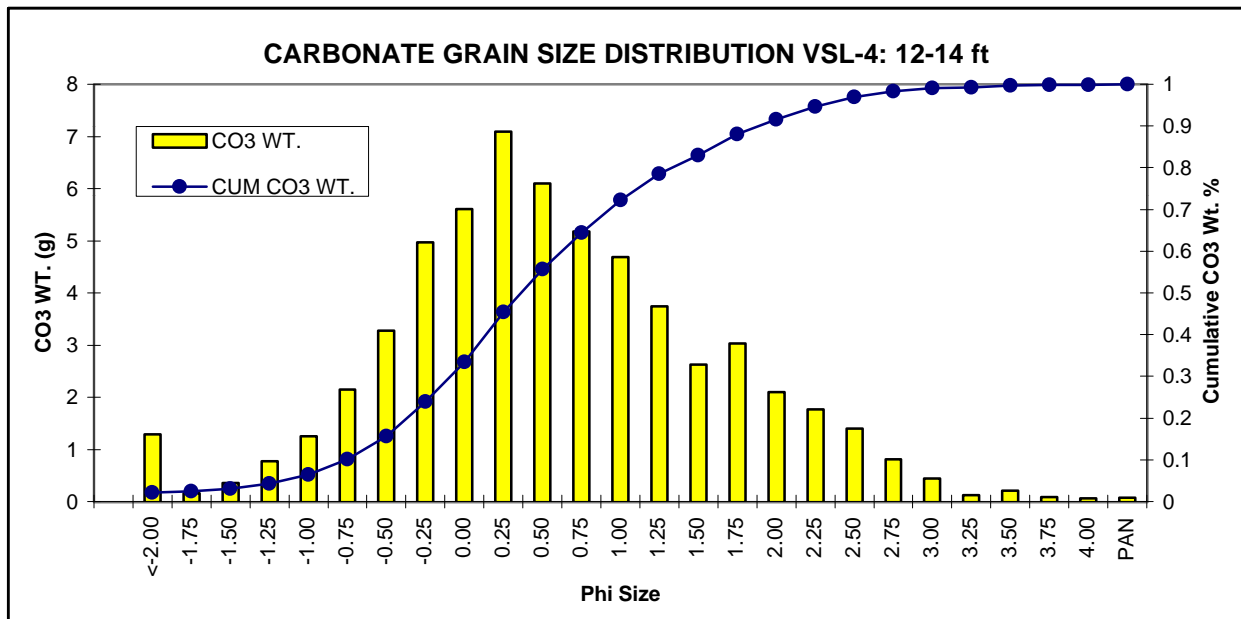


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-4 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.287	0.000	1.287	1.287	0.021682363	0.021682363
-1.75	0.162	0.000	0.162	1.449	0.002729248	0.024411611
-1.50	0.355	0.000	0.355	1.804	0.005980760	0.030392372
-1.25	0.774	0.000	0.774	2.578	0.013039743	0.043432114
-1.00	1.248	0.000	1.248	3.826	0.021025321	0.064457436
-0.75	2.147	0.000	2.147	5.973	0.036170966	0.100628401
-0.50	3.282	0.000	3.282	9.255	0.055292552	0.155920953
-0.25	4.973	0.000	4.973	14.228	0.083781188	0.239702141
0.00	5.614	0.001	5.613	19.841	0.094563404	0.334265546
0.25	7.091	0.000	7.091	26.932	0.119463585	0.453729131
0.50	6.099	0.005	6.094	33.026	0.102666914	0.556396044
0.75	5.189	0.006	5.183	38.209	0.087319103	0.643715147
1.00	4.706	0.023	4.683	42.892	0.078895497	0.722610644
1.25	3.823	0.081	3.742	46.634	0.063042270	0.785652914
1.50	2.922	0.297	2.625	49.259	0.044223933	0.829876847
1.75	3.903	0.872	3.031	52.290	0.051063901	0.880940748
2.00	2.987	0.889	2.098	54.388	0.035345452	0.916286200
2.25	2.462	0.692	1.770	56.158	0.029819566	0.946105767
2.50	1.795	0.395	1.400	57.558	0.023586098	0.969691864
2.75	1.005	0.196	0.809	58.367	0.013629395	0.983321259
3.00	0.611	0.171	0.440	58.807	0.007412774	0.990734033
3.25	0.240	0.118	0.122	58.929	0.002055360	0.992789393
3.50	0.362	0.149	0.213	59.142	0.003588456	0.996377849
3.75	0.262	0.175	0.087	59.229	0.001465707	0.997843557
4.00	0.212	0.156	0.056	59.285	0.000943444	0.998787001
PAN	0.177	0.105	0.072	59.357	0.001212999	1.0

<b>TOTAL WT.</b>	63.688	grams
<b>CO3 WT</b>	59.357	grams
<b>% CARBONATE</b>	93.200	

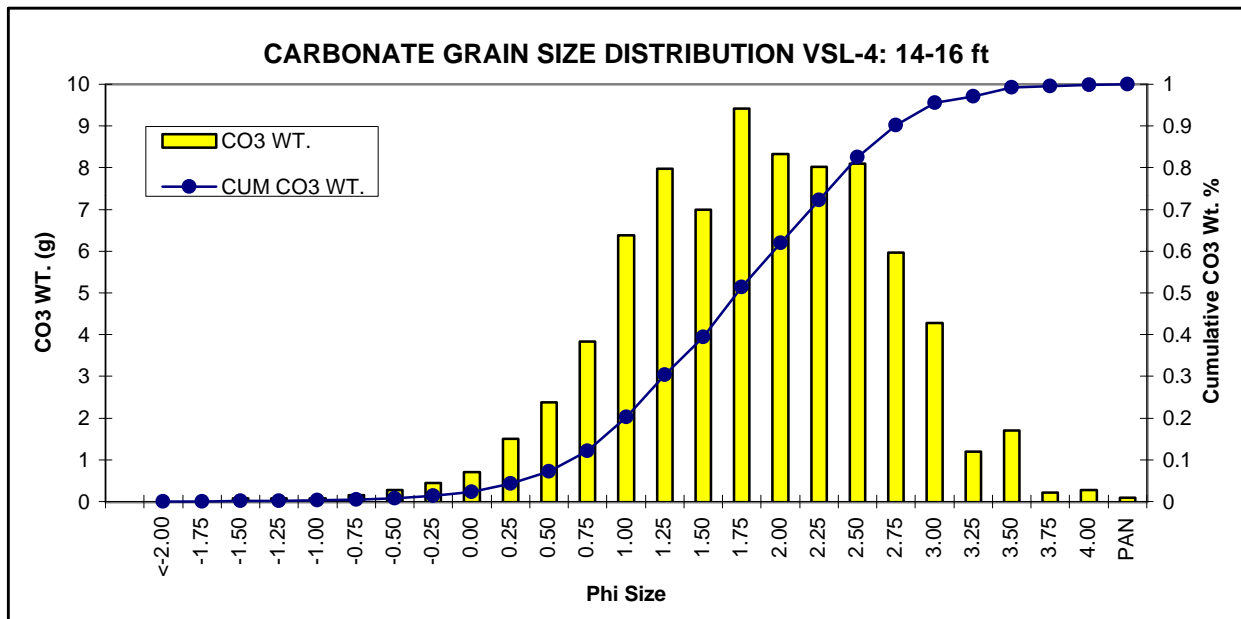


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-4 : 14-16 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	0.083	0.000	0.083	0.083	0.001057999	0.001057999
-1.25	0.077	0.000	0.077	0.160	0.000981517	0.002039516
-1.00	0.075	0.000	0.075	0.235	0.000956023	0.002995539
-0.75	0.149	0.000	0.149	0.384	0.001899299	0.004894837
-0.50	0.275	0.000	0.275	0.659	0.003505417	0.008400255
-0.25	0.450	0.000	0.450	1.109	0.005736138	0.014136393
0.00	0.703	0.000	0.703	1.812	0.008961122	0.023097514
0.25	1.508	0.000	1.508	3.320	0.019222435	0.042319949
0.50	2.380	0.002	2.378	5.698	0.030312301	0.072632250
0.75	3.836	0.009	3.827	9.525	0.048782664	0.121414914
1.00	6.430	0.052	6.378	15.903	0.081300191	0.202715105
1.25	8.191	0.212	7.979	23.882	0.101708094	0.304423199
1.50	7.807	0.815	6.992	30.874	0.089126832	0.393550032
1.75	11.887	2.467	9.420	40.294	0.120076482	0.513626514
2.00	10.886	2.565	8.321	48.615	0.106067559	0.619694073
2.25	10.262	2.245	8.017	56.632	0.102192479	0.721886552
2.50	9.799	1.697	8.102	64.734	0.103275972	0.825162524
2.75	7.250	1.291	5.959	70.693	0.075959210	0.901121734
3.00	5.712	1.435	4.277	74.970	0.054518802	0.955640535
3.25	2.367	1.167	1.200	76.170	0.015296367	0.970936902
3.50	3.111	1.401	1.710	77.880	0.021797323	0.992734226
3.75	2.015	1.802	0.213	78.093	0.002715105	0.995449331
4.00	1.515	1.244	0.271	78.364	0.003454430	0.998903760
PAN	0.709	0.623	0.086	78.450	0.001096240	1.0

<b>TOTAL WT.</b>	97.477	grams
<b>CO3 WT</b>	78.450	grams
<b>% CARBONATE</b>	80.481	

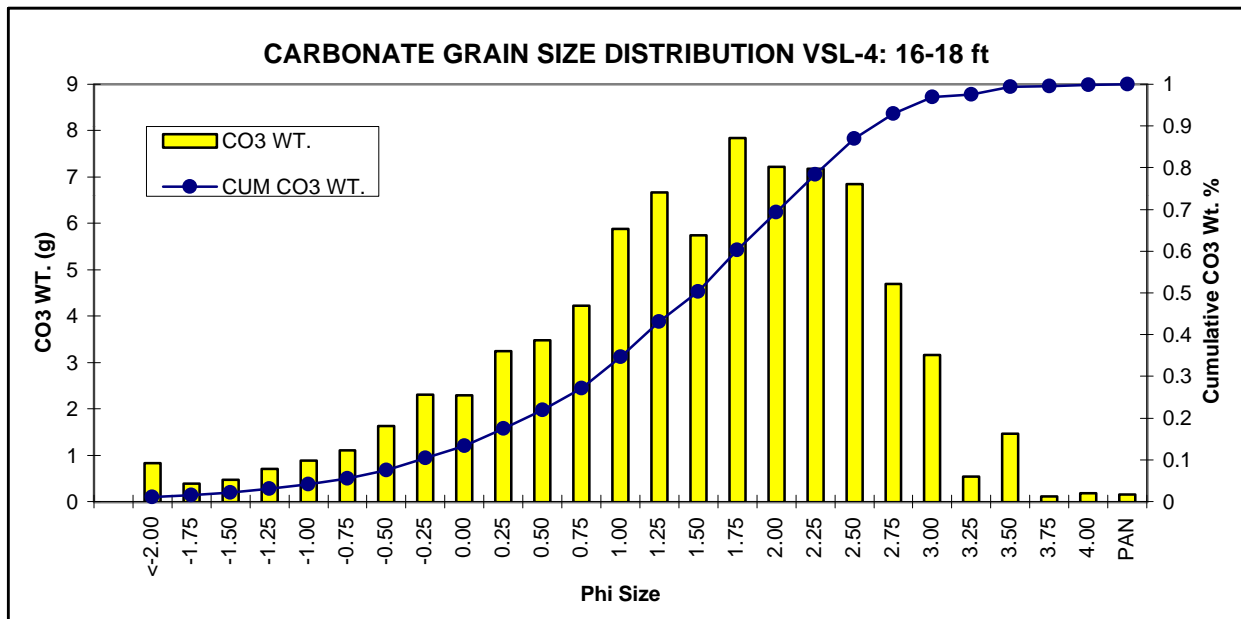


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-4 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.822	0.000	0.822	0.822	0.010375251	0.010375251
-1.75	0.390	0.000	0.390	1.212	0.004922564	0.015297815
-1.50	0.473	0.000	0.473	1.685	0.005970187	0.021268002
-1.25	0.703	0.000	0.703	2.388	0.008873238	0.030141240
-1.00	0.878	0.000	0.878	3.266	0.011082081	0.041223320
-0.75	1.111	0.000	1.111	4.377	0.014022997	0.055246318
-0.50	1.633	0.000	1.633	6.010	0.020611660	0.075857978
-0.25	2.311	0.000	2.311	8.321	0.029169349	0.105027327
0.00	2.288	0.000	2.288	10.609	0.028879044	0.133906370
0.25	3.238	0.000	3.238	13.847	0.040869905	0.174776276
0.50	3.483	0.000	3.483	17.330	0.043962286	0.218738561
0.75	4.233	0.005	4.228	21.558	0.053365646	0.272104207
1.00	5.909	0.026	5.883	27.441	0.074254989	0.346359196
1.25	6.757	0.089	6.668	34.109	0.084163227	0.430522423
1.50	6.117	0.373	5.744	39.853	0.072500536	0.503022959
1.75	9.111	1.269	7.842	47.695	0.098981408	0.602004367
2.00	8.892	1.667	7.225	54.920	0.091193659	0.693198026
2.25	9.003	1.824	7.179	62.099	0.090613049	0.783811075
2.50	8.329	1.479	6.850	68.949	0.086460424	0.870271498
2.75	5.898	1.209	4.689	73.638	0.059184369	0.929455867
3.00	4.379	1.222	3.157	76.795	0.039847527	0.969303394
3.25	1.411	0.875	0.536	77.331	0.006765370	0.976068764
3.50	2.279	0.820	1.459	78.790	0.018415439	0.994484204
3.75	1.123	1.015	0.108	78.898	0.001363172	0.995847375
4.00	0.926	0.752	0.174	79.072	0.002196221	0.998043596
PAN	0.539	0.384	0.155	79.227	0.001956404	1.0

<b>TOTAL WT.</b>	92.236	grams
<b>CO3 WT</b>	79.227	grams
<b>% CARBONATE</b>	85.896	

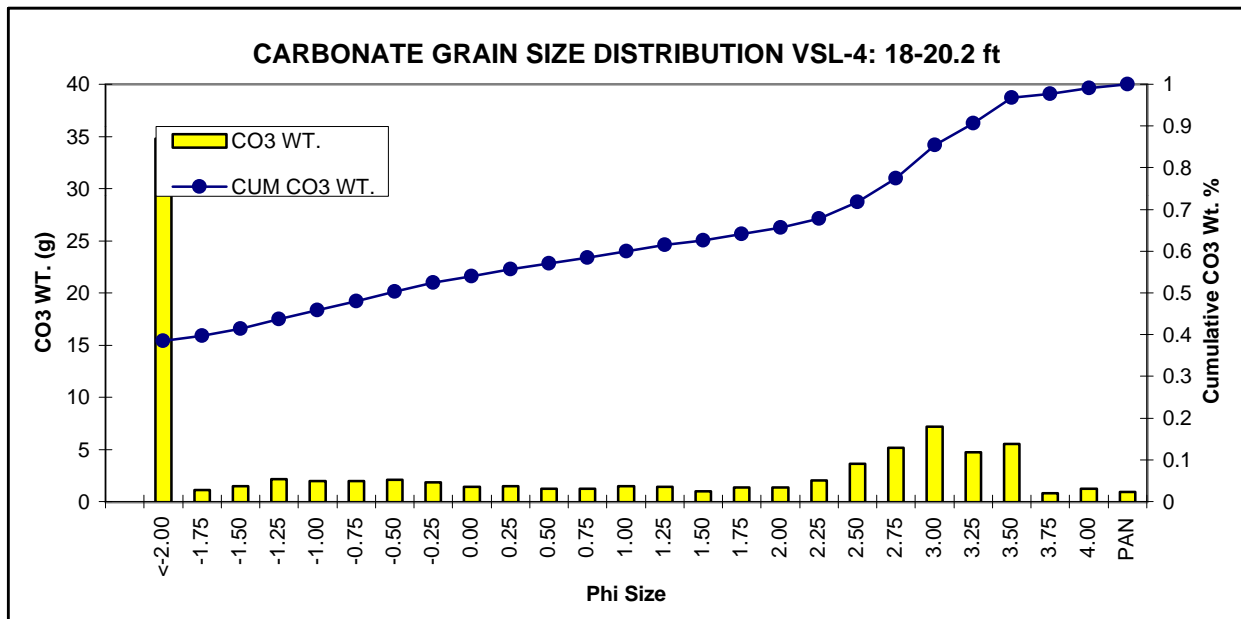


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-4 : 18-20.2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	34.801	0.000	34.801	34.801	0.385158541	0.385158541
-1.75	1.100	0.000	1.100	35.901	0.012174202	0.397332743
-1.50	1.458	0.000	1.458	37.359	0.016136351	0.413469094
-1.25	2.134	0.000	2.134	39.493	0.023617951	0.437087046
-1.00	1.947	0.013	1.934	41.427	0.021404460	0.458491506
-0.75	1.984	0.000	1.984	43.411	0.021957833	0.480449339
-0.50	2.082	0.001	2.081	45.492	0.023031376	0.503480715
-0.25	1.871	0.001	1.870	47.362	0.020696143	0.524176858
0.00	1.426	0.002	1.424	48.786	0.015760058	0.539936915
0.25	1.479	0.006	1.473	50.259	0.016302363	0.556239278
0.50	1.259	0.003	1.256	51.515	0.013900725	0.570140003
0.75	1.229	0.007	1.222	52.737	0.013524431	0.583664435
1.00	1.500	0.026	1.474	54.211	0.016313430	0.599977865
1.25	1.461	0.078	1.383	55.594	0.015306292	0.615284157
1.50	1.110	0.144	0.966	56.560	0.010691163	0.625975320
1.75	1.615	0.236	1.379	57.939	0.015262022	0.641237342
2.00	1.620	0.272	1.348	59.287	0.014918931	0.656156272
2.25	2.323	0.326	1.997	61.284	0.022101710	0.678257982
2.50	4.073	0.455	3.618	64.902	0.040042056	0.718300039
2.75	6.080	0.948	5.132	70.034	0.056798185	0.775098224
3.00	9.519	2.365	7.154	77.188	0.079176581	0.854274805
3.25	7.892	3.143	4.749	81.937	0.052559349	0.906834154
3.50	10.828	5.305	5.523	87.460	0.061125560	0.967959714
3.75	6.464	5.697	0.767	88.227	0.008488739	0.976448453
4.00	5.081	3.843	1.238	89.465	0.013701511	0.990149964
PAN	2.990	2.100	0.890	90.355	0.009850036	1.0

<b>TOTAL WT.</b>	115.326	grams
<b>CO3 WT</b>	90.355	grams
<b>% CARBONATE</b>	78.347	



# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-5 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.645	0.000	0.645	0.645	0.007722331	0.007722331
-1.75	0.113	0.000	0.113	0.758	0.001352905	0.009075236
-1.50	0.410	0.000	0.410	1.168	0.004908769	0.013984005
-1.25	0.598	0.000	0.598	1.766	0.007159619	0.021143623
-1.00	0.866	0.000	0.866	2.632	0.010368277	0.031511901
-0.75	1.292	0.001	1.291	3.923	0.015456635	0.046968536
-0.50	1.938	0.001	1.937	5.860	0.023190939	0.070159475
-0.25	2.989	0.000	2.989	8.849	0.035786121	0.105945596
0.00	3.471	0.001	3.470	12.319	0.041544945	0.147490542
0.25	5.252	0.012	5.240	17.559	0.062736459	0.210227001
0.50	5.855	0.018	5.837	23.396	0.069884105	0.280111106
0.75	7.167	0.083	7.084	30.480	0.084813946	0.364925051
1.00	9.842	0.464	9.378	39.858	0.112279105	0.477204157
1.25	12.163	1.290	10.873	50.731	0.130178152	0.607382309
1.50	10.594	1.710	8.884	59.615	0.106364638	0.713746947
1.75	14.066	3.334	10.732	70.347	0.128490015	0.842236962
2.00	9.169	2.059	7.110	77.457	0.085125233	0.927362195
2.25	4.714	0.768	3.946	81.403	0.047243906	0.974606101
2.50	1.772	0.219	1.553	82.956	0.018593458	0.993199559
2.75	0.486	0.104	0.382	83.338	0.004573536	0.997773095
3.00	0.213	0.101	0.112	83.450	0.001340932	0.999114027
3.25	0.015	0.006	0.009	83.459	0.000107753	0.999221781
3.50	0.150	0.143	0.007	83.466	0.000083808	0.999305589
3.75	0.084	0.065	0.019	83.485	0.000227480	0.999533068
4.00	0.054	0.041	0.013	83.498	0.000155644	0.999688712
PAN	0.026	0.000	0.026	83.524	0.000311288	1.0

TOTAL WT.

93.944

grams

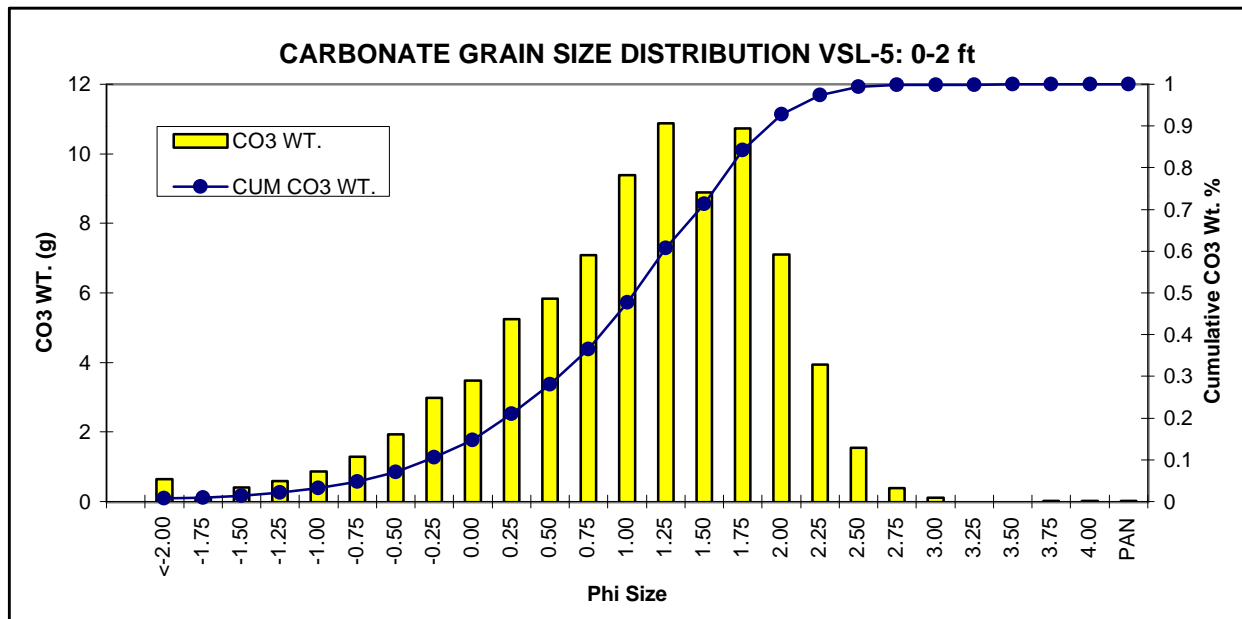
CO3 WT

83.524

grams

% CARBONATE

88.908



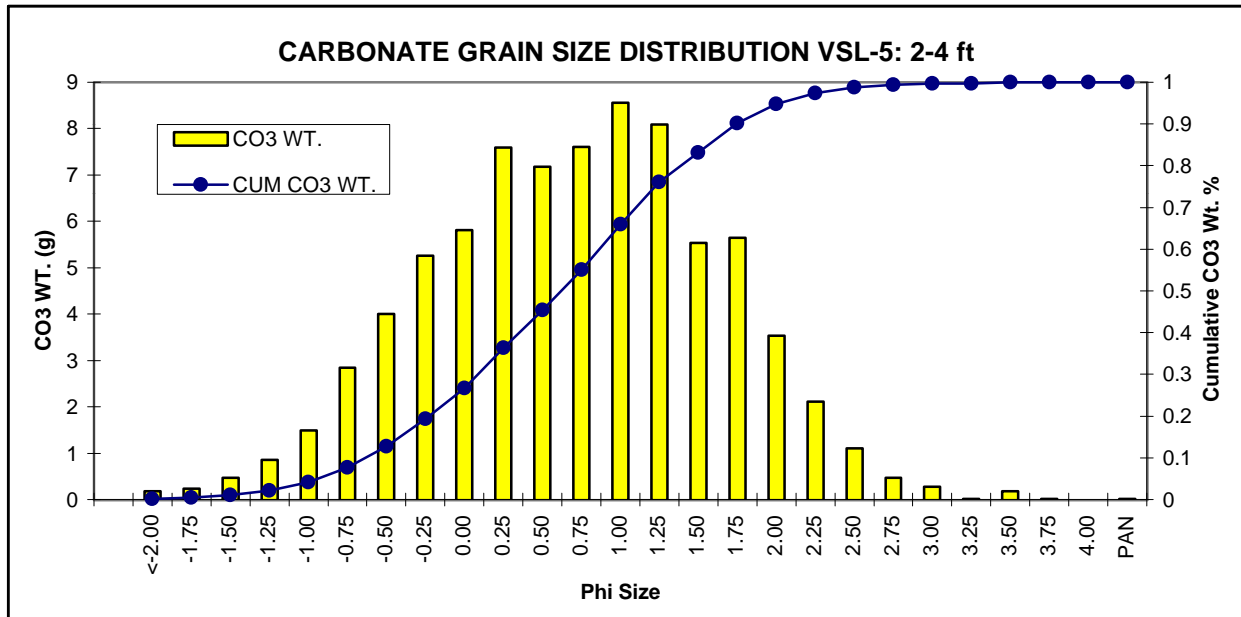


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-5 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.173	0.000	0.173	0.173	0.002188128	0.002188128
-1.75	0.229	0.000	0.229	0.402	0.002896424	0.005084553
-1.50	0.475	0.000	0.475	0.877	0.006007867	0.011092420
-1.25	0.856	0.000	0.856	1.733	0.010826809	0.021919229
-1.00	1.490	0.000	1.490	3.223	0.018845731	0.040764960
-0.75	2.848	0.000	2.848	6.071	0.036021907	0.076786866
-0.50	4.004	0.000	4.004	10.075	0.050643158	0.127430024
-0.25	5.262	0.000	5.262	15.337	0.066554520	0.193984544
0.00	5.812	0.001	5.811	21.148	0.073498349	0.267482893
0.25	7.591	0.001	7.590	28.738	0.095999393	0.363482286
0.50	7.181	0.000	7.181	35.919	0.090826303	0.454308589
0.75	7.635	0.028	7.607	43.526	0.096214411	0.550523001
1.00	8.783	0.221	8.562	52.088	0.108293386	0.658816387
1.25	8.727	0.638	8.089	60.177	0.102310815	0.761127202
1.50	6.366	0.835	5.531	65.708	0.069956870	0.831084072
1.75	7.050	1.405	5.645	71.353	0.071398758	0.902482830
2.00	4.436	0.907	3.529	74.882	0.044635291	0.947118121
2.25	2.510	0.403	2.107	76.989	0.026649634	0.973767755
2.50	1.263	0.162	1.101	78.090	0.013925604	0.987693358
2.75	0.574	0.100	0.474	78.564	0.005995219	0.993688577
3.00	0.398	0.125	0.273	78.837	0.003452943	0.997141520
3.25	0.035	0.016	0.019	78.856	0.000240315	0.997381835
3.50	0.292	0.112	0.180	79.036	0.002276665	0.999658500
3.75	0.099	0.090	0.009	79.045	0.000113833	0.999772333
4.00	0.068	0.066	0.002	79.047	0.000025296	0.999797630
PAN	0.055	0.039	0.016	79.063	0.000202370	1.0

<b>TOTAL WT.</b>	84.212	grams
<b>CO3 WT</b>	79.063	grams
<b>% CARBONATE</b>	93.886	



# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-5 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.419	0.000	1.419	1.419	0.017112674	0.017112674
-1.75	0.339	0.000	0.339	1.758	0.004088229	0.021200902
-1.50	0.679	0.000	0.679	2.437	0.008188517	0.029389419
-1.25	0.707	0.000	0.707	3.144	0.008526188	0.037915606
-1.00	0.972	0.000	0.972	4.116	0.011722000	0.049637607
-0.75	1.150	0.000	1.150	5.266	0.013868622	0.063506229
-0.50	1.485	0.000	1.485	6.751	0.017908612	0.081414841
-0.25	1.859	0.000	1.859	8.610	0.022418929	0.103833769
0.00	2.078	0.001	2.077	10.687	0.025047937	0.128881707
0.25	2.907	0.000	2.907	13.594	0.035057464	0.163939171
0.50	3.357	0.002	3.355	16.949	0.040460197	0.204399368
0.75	4.161	0.008	4.153	21.102	0.050083815	0.254483183
1.00	6.340	0.109	6.231	27.333	0.075143812	0.329626994
1.25	8.716	0.473	8.243	35.576	0.099407870	0.429034865
1.50	9.105	1.079	8.026	43.602	0.096790921	0.525825786
1.75	14.910	3.155	11.755	55.357	0.141761436	0.667587222
2.00	13.187	2.965	10.222	65.579	0.123273960	0.790861181
2.25	9.781	1.917	7.864	73.443	0.094837255	0.885698436
2.50	5.832	0.779	5.053	78.496	0.060937519	0.946635955
2.75	2.709	0.409	2.300	80.796	0.027737244	0.974373199
3.00	1.619	0.367	1.252	82.048	0.015098708	0.989471907
3.25	0.293	0.290	0.003	82.051	0.000036179	0.989508086
3.50	1.252	0.448	0.804	82.855	0.009695976	0.999204062
3.75	0.775	0.765	0.010	82.865	0.000120597	0.999324658
4.00	0.372	0.326	0.046	82.911	0.000554745	0.999879403
PAN	0.161	0.151	0.010	82.921	0.000120597	1.0

TOTAL WT.

96.165

grams

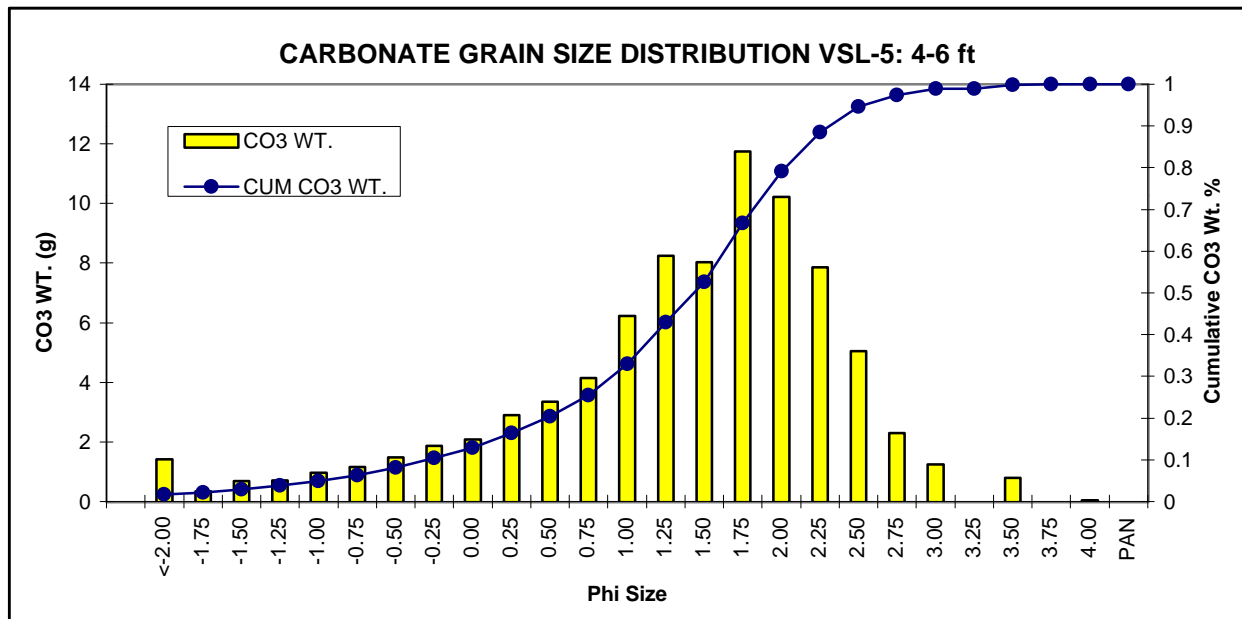
CO3 WT

82.921

grams

% CARBONATE

86.228



# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-5 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.459	0.000	0.459	0.459	0.005879339	0.005879339
-1.75	0.118	0.000	0.118	0.577	0.001511464	0.007390803
-1.50	0.285	0.000	0.285	0.862	0.003650570	0.011041373
-1.25	0.292	0.000	0.292	1.154	0.003740233	0.014781606
-1.00	0.455	0.000	0.455	1.609	0.005828103	0.020609709
-0.75	0.664	0.000	0.664	2.273	0.008505188	0.029114897
-0.50	1.000	0.000	1.000	3.273	0.012809018	0.041923914
-0.25	1.227	0.000	1.227	4.500	0.015716665	0.057640579
0.00	1.384	0.000	1.384	5.884	0.017727680	0.075368259
0.25	2.201	0.000	2.201	8.085	0.028192648	0.103560907
0.50	2.458	0.003	2.455	10.540	0.031446138	0.135007045
0.75	3.287	0.019	3.268	13.808	0.041859869	0.176866914
1.00	5.384	0.159	5.225	19.033	0.066927117	0.243794031
1.25	7.578	0.541	7.037	26.070	0.090137056	0.333931087
1.50	8.340	1.036	7.304	33.374	0.093557064	0.427488152
1.75	14.284	2.957	11.327	44.701	0.145087742	0.572575893
2.00	13.765	2.955	10.810	55.511	0.138465480	0.711041373
2.25	11.305	2.099	9.206	64.717	0.117919816	0.828961189
2.50	8.130	1.148	6.982	71.699	0.089432561	0.918393749
2.75	4.409	0.739	3.670	75.369	0.047009094	0.965402844
3.00	2.486	0.579	1.907	77.276	0.024426796	0.989829640
3.25	0.218	0.191	0.027	77.303	0.000345843	0.990175484
3.50	0.976	0.246	0.730	78.033	0.009350583	0.999526066
3.75	0.259	0.240	0.019	78.052	0.000243371	0.999769438
4.00	0.179	0.164	0.015	78.067	0.000192135	0.999961573
PAN	0.082	0.079	0.003	78.070	0.000038427	1.0

TOTAL WT.

91.225

grams

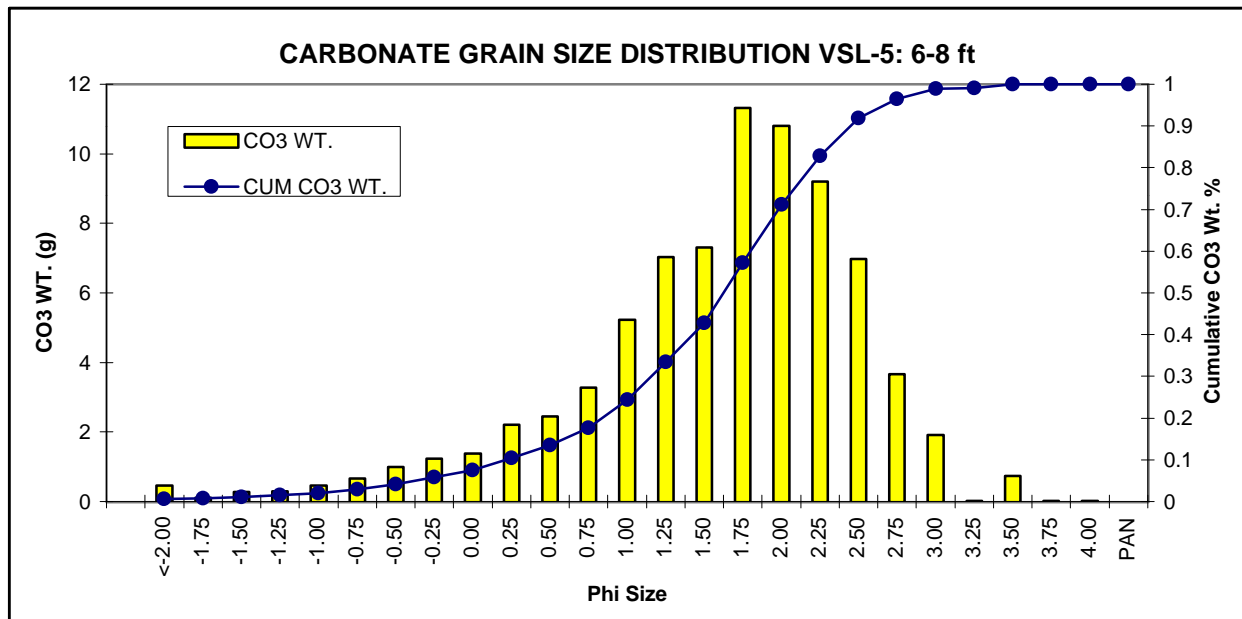
CO3 WT

78.070

grams

% CARBONATE

85.580

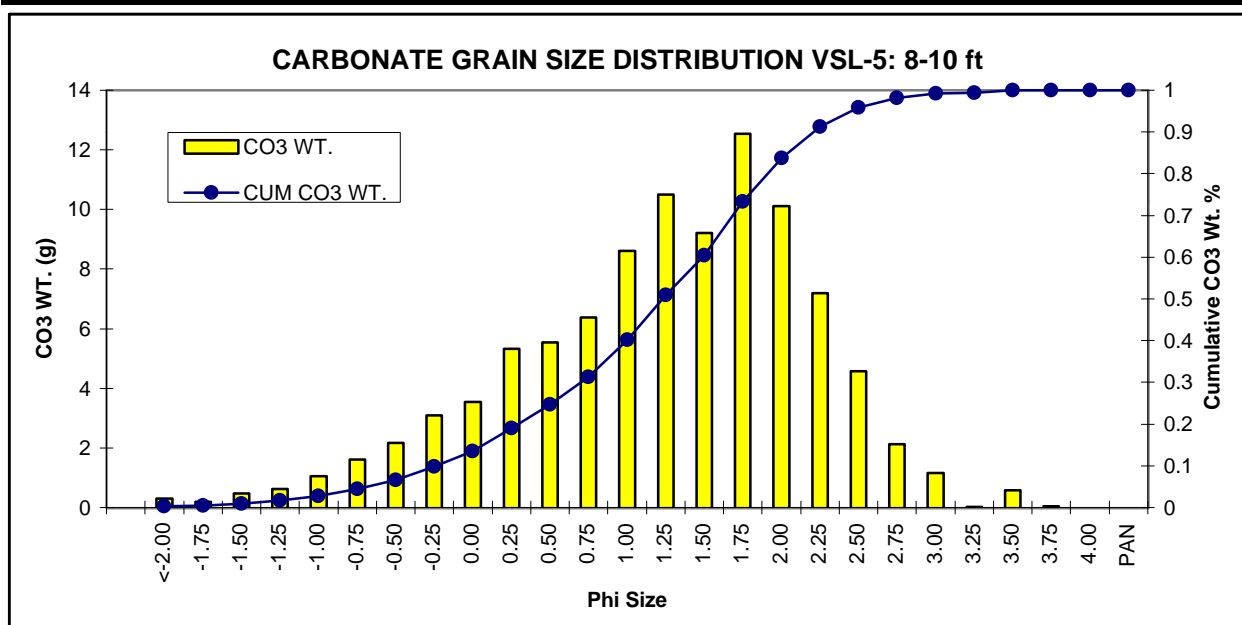


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-5 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.298	0.000	0.298	0.298	0.003071563	0.003071563
-1.75	0.184	0.000	0.184	0.482	0.001896536	0.004968099
-1.50	0.468	0.000	0.468	0.950	0.004823797	0.009791896
-1.25	0.633	0.000	0.633	1.583	0.006524495	0.016316392
-1.00	1.061	0.000	1.061	2.644	0.010936002	0.027252394
-0.75	1.621	0.000	1.621	4.265	0.016708067	0.043960461
-0.50	2.159	0.000	2.159	6.424	0.022253373	0.066213834
-0.25	3.094	0.000	3.094	9.518	0.031890661	0.098104495
0.00	3.542	0.000	3.542	13.060	0.036508313	0.134612808
0.25	5.331	0.000	5.331	18.391	0.054948000	0.189560808
0.50	5.539	0.007	5.532	23.923	0.057019759	0.246580567
0.75	6.472	0.085	6.387	30.310	0.065832466	0.312413032
1.00	9.218	0.598	8.620	38.930	0.088848576	0.401261609
1.25	11.977	1.474	10.503	49.433	0.108257146	0.509518754
1.50	11.210	2.004	9.206	58.639	0.094888630	0.604407384
1.75	16.387	3.856	12.531	71.170	0.129160268	0.733567652
2.00	13.218	3.115	10.103	81.273	0.104134242	0.837701893
2.25	9.037	1.841	7.196	88.469	0.074171039	0.911872932
2.50	5.330	0.753	4.577	93.046	0.047176326	0.959049258
2.75	2.564	0.434	2.130	95.176	0.021954463	0.981003721
3.00	1.583	0.413	1.170	96.346	0.012059494	0.993063214
3.25	0.184	0.166	0.018	96.364	0.000185531	0.993248745
3.50	0.815	0.229	0.586	96.950	0.006040054	0.999288799
3.75	0.322	0.270	0.052	97.002	0.000535977	0.999824777
4.00	0.239	0.230	0.009	97.011	0.000092765	0.999917542
PAN	0.117	0.109	0.008	97.019	0.000082458	1.0

<b>TOTAL WT.</b>	112.603	grams
<b>CO3 WT</b>	97.019	grams
<b>% CARBONATE</b>	86.160	

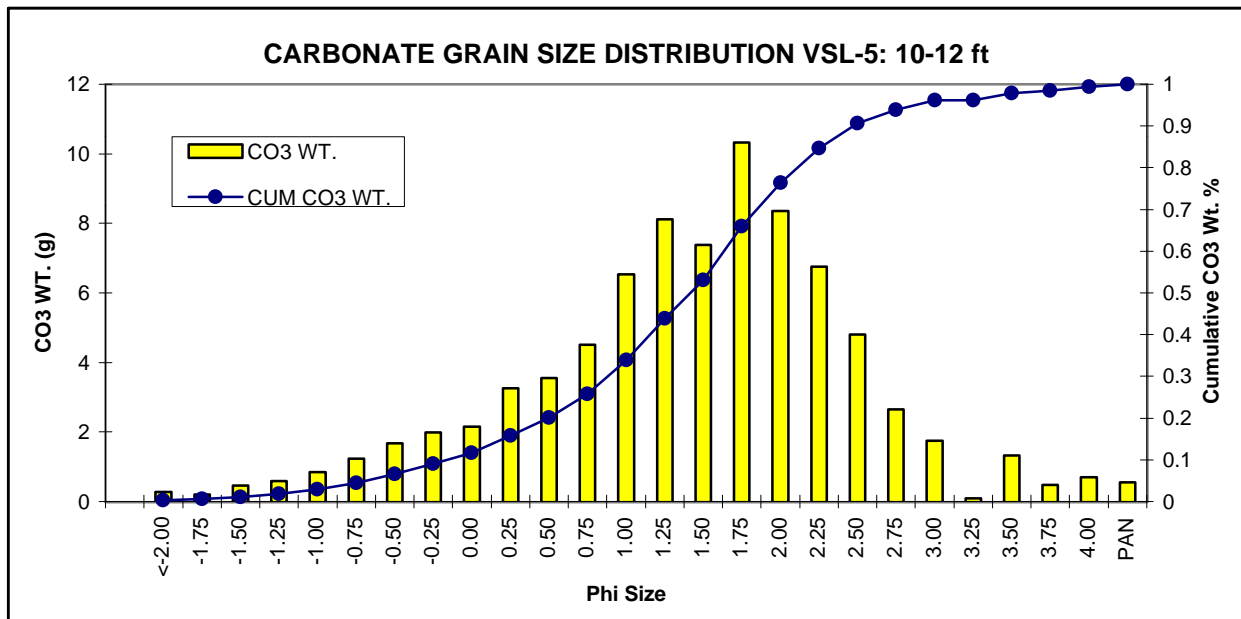


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-5 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.275	0.000	0.275	0.275	0.003416234	0.003416234
-1.75	0.194	0.000	0.194	0.469	0.002409998	0.005826232
-1.50	0.455	0.000	0.455	0.924	0.005652314	0.011478546
-1.25	0.588	0.000	0.588	1.512	0.007304529	0.018783075
-1.00	0.849	0.000	0.849	2.361	0.010546846	0.029329921
-0.75	1.230	0.000	1.230	3.591	0.015279883	0.044609804
-0.50	1.671	0.000	1.671	5.262	0.020758280	0.065368084
-0.25	1.988	0.000	1.988	7.250	0.024696266	0.090064349
0.00	2.152	0.000	2.152	9.402	0.026733583	0.116797933
0.25	3.261	0.002	3.259	12.661	0.040485478	0.157283411
0.50	3.566	0.008	3.558	16.219	0.044199856	0.201483267
0.75	4.555	0.043	4.512	20.731	0.056051082	0.257534349
1.00	6.845	0.313	6.532	27.263	0.081144873	0.338679222
1.25	8.971	0.862	8.109	35.372	0.100735422	0.439414644
1.50	8.539	1.167	7.372	42.744	0.091579915	0.530994559
1.75	12.880	2.554	10.326	53.070	0.128276479	0.659271038
2.00	10.785	2.428	8.357	61.427	0.103816244	0.763087282
2.25	8.231	1.484	6.747	68.174	0.083815747	0.846903029
2.50	5.565	0.768	4.797	72.971	0.059591543	0.906494571
2.75	3.179	0.532	2.647	75.618	0.032882805	0.939377376
3.00	2.322	0.574	1.748	77.366	0.021714825	0.961092201
3.25	0.463	0.371	0.092	77.458	0.001142886	0.962235087
3.50	1.853	0.535	1.318	78.776	0.016373078	0.978608164
3.75	1.430	0.956	0.474	79.250	0.005888345	0.984496509
4.00	1.769	1.064	0.705	79.955	0.008757982	0.993254491
PAN	1.359	0.816	0.543	80.498	0.006745509	1.0

<b>TOTAL WT.</b>	94.975	grams
<b>CO3 WT</b>	80.498	grams
<b>% CARBONATE</b>	84.757	

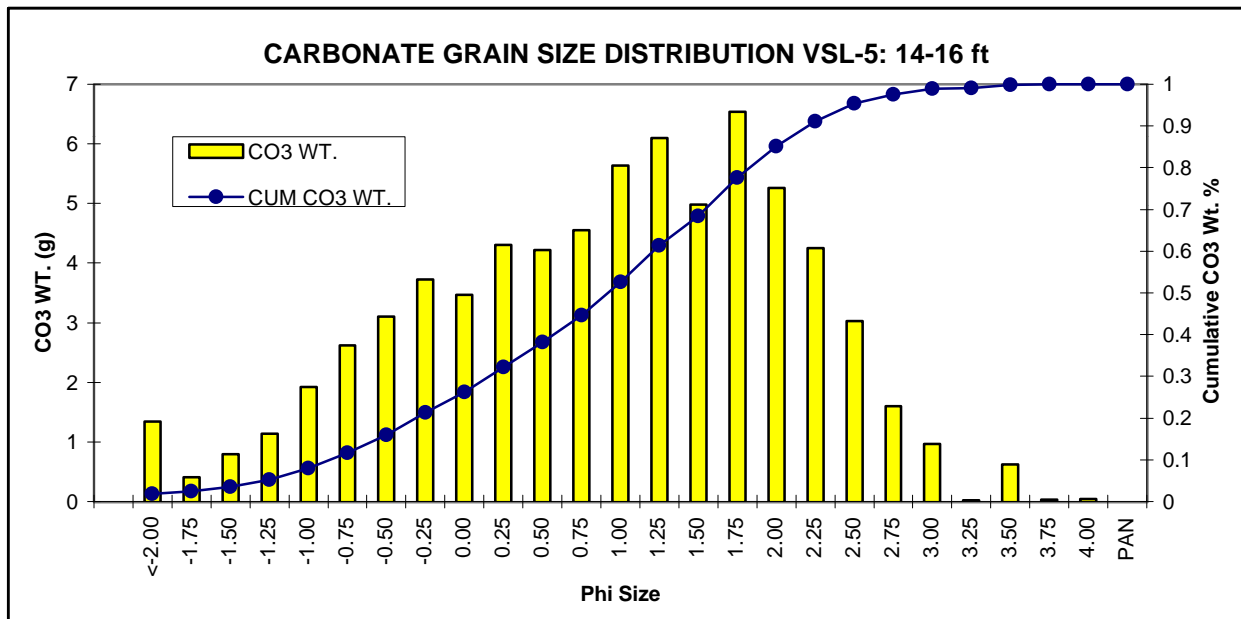


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-5 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.337	0.000	1.337	1.337	0.018921061	0.018921061
-1.75	0.409	0.000	0.409	1.746	0.005788118	0.024709179
-1.50	0.792	0.000	0.792	2.538	0.011208287	0.035917466
-1.25	1.134	0.000	1.134	3.672	0.016048230	0.051965696
-1.00	1.919	0.000	1.919	5.591	0.027157454	0.079123150
-0.75	2.622	0.000	2.622	8.213	0.037106224	0.116229374
-0.50	3.099	0.000	3.099	11.312	0.043856670	0.160086043
-0.25	3.721	0.000	3.721	15.033	0.052659138	0.212745181
0.00	3.472	0.000	3.472	18.505	0.049135320	0.261880502
0.25	4.308	0.000	4.308	22.813	0.060966290	0.322846792
0.50	4.226	0.006	4.220	27.033	0.059720925	0.382567717
0.75	4.580	0.029	4.551	31.584	0.064405197	0.446972913
1.00	5.819	0.182	5.637	37.221	0.079774136	0.526747049
1.25	6.514	0.415	6.099	43.320	0.086312304	0.613059353
1.50	5.739	0.759	4.980	48.300	0.070476352	0.683535705
1.75	8.168	1.635	6.533	54.833	0.092454219	0.775989924
2.00	6.801	1.537	5.264	60.097	0.074495486	0.850485409
2.25	5.183	0.935	4.248	64.345	0.060117178	0.910602587
2.50	3.470	0.446	3.024	67.369	0.042795279	0.953397866
2.75	1.911	0.307	1.604	68.973	0.022699612	0.976097478
3.00	1.287	0.317	0.970	69.943	0.013727322	0.989824800
3.25	0.212	0.191	0.021	69.964	0.000297189	0.990121989
3.50	0.918	0.292	0.626	70.590	0.008859076	0.998981065
3.75	0.408	0.376	0.032	70.622	0.000452860	0.999433925
4.00	0.228	0.189	0.039	70.661	0.000551923	0.999985848
PAN	0.112	0.111	0.001	70.662	0.000014152	1.0

<b>TOTAL WT.</b>	78.389	grams
<b>CO3 WT</b>	70.662	grams
<b>% CARBONATE</b>	90.143	

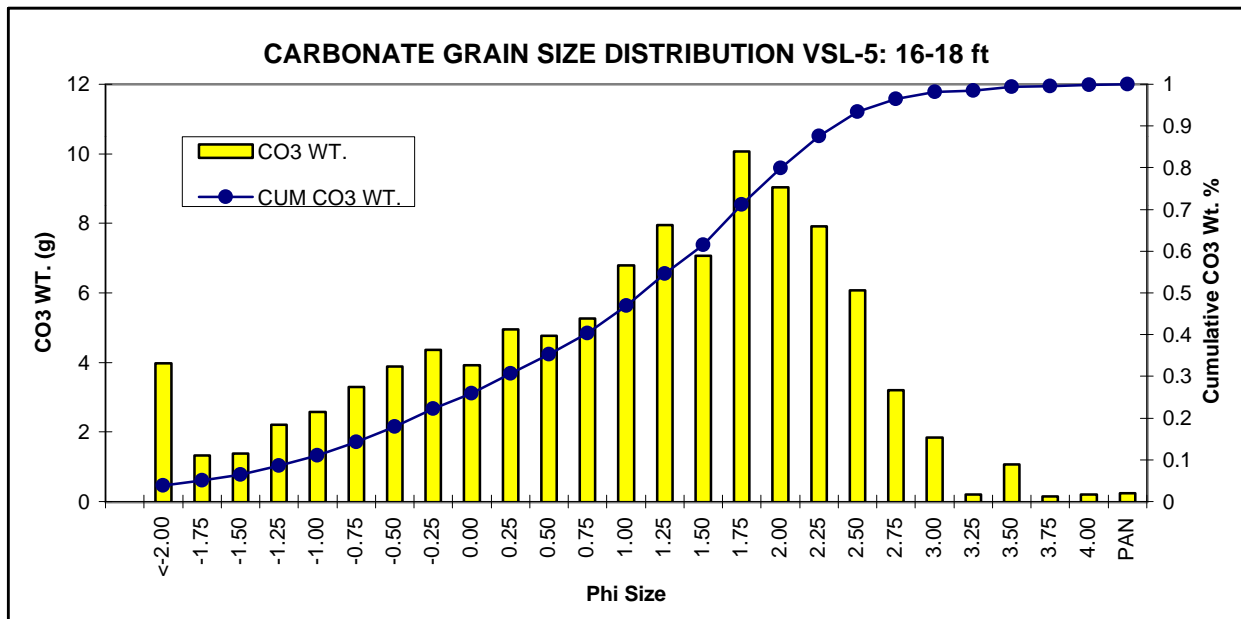


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-5 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	3.972	0.000	3.972	3.972	0.038297995	0.038297995
-1.75	1.325	0.000	1.325	5.297	0.012775640	0.051073636
-1.50	1.386	0.000	1.386	6.683	0.013363802	0.064437438
-1.25	2.212	0.000	2.212	8.895	0.021328088	0.085765526
-1.00	2.575	0.000	2.575	11.470	0.024828131	0.110593657
-0.75	3.297	0.000	3.297	14.767	0.031789650	0.142383308
-0.50	3.879	0.001	3.878	18.645	0.037391648	0.179774956
-0.25	4.353	0.000	4.353	22.998	0.041971595	0.221746551
0.00	3.926	0.000	3.926	26.924	0.037854464	0.259601014
0.25	4.960	0.000	4.960	31.884	0.047824284	0.307425299
0.50	4.763	0.002	4.761	36.645	0.045905528	0.353330826
0.75	5.279	0.015	5.264	41.909	0.050755450	0.404086277
1.00	6.938	0.139	6.799	48.708	0.065555909	0.469642186
1.25	8.316	0.357	7.959	56.667	0.076740621	0.546382806
1.50	7.929	0.863	7.066	63.733	0.068130321	0.614513128
1.75	12.410	2.348	10.062	73.795	0.097017732	0.711530859
2.00	11.734	2.694	9.040	82.835	0.087163615	0.798694474
2.25	9.896	1.979	7.917	90.752	0.076335657	0.875030131
2.50	7.042	0.971	6.071	96.823	0.058536538	0.933566670
2.75	3.761	0.550	3.211	100.034	0.030960439	0.964527108
3.00	2.342	0.504	1.838	101.872	0.017721983	0.982249091
3.25	0.549	0.352	0.197	102.069	0.001899473	0.984148564
3.50	1.606	0.546	1.060	103.129	0.010220512	0.994369076
3.75	1.023	0.869	0.154	103.283	0.001484867	0.995853943
4.00	0.797	0.598	0.199	103.482	0.001918757	0.997772700
PAN	0.530	0.299	0.231	103.713	0.002227300	1.0

<b>TOTAL WT.</b>	116.800	grams
<b>CO3 WT</b>	103.713	grams
<b>% CARBONATE</b>	88.795	

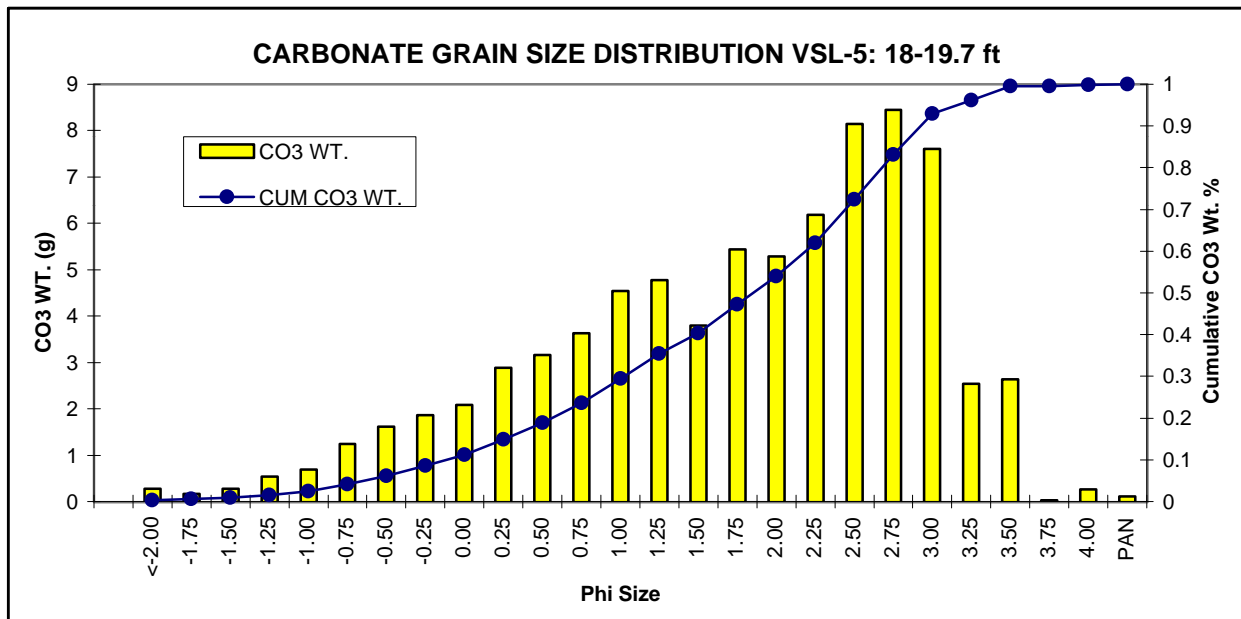


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-5 : 18-19.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.280	0.000	0.280	0.280	0.003579830	0.003579830
-1.75	0.166	0.000	0.166	0.446	0.002122328	0.005702158
-1.50	0.270	0.000	0.270	0.716	0.003451979	0.009154137
-1.25	0.540	0.000	0.540	1.256	0.006903958	0.016058096
-1.00	0.692	0.000	0.692	1.948	0.008847295	0.024905390
-0.75	1.246	0.000	1.246	3.194	0.015930244	0.040835635
-0.50	1.621	0.000	1.621	4.815	0.020724660	0.061560295
-0.25	1.869	0.000	1.869	6.684	0.023895367	0.085455661
0.00	2.078	0.000	2.078	8.762	0.026567454	0.112023115
0.25	2.896	0.006	2.890	11.652	0.036948962	0.148972077
0.50	3.217	0.061	3.156	14.808	0.040349801	0.189321878
0.75	3.763	0.135	3.628	18.436	0.046384371	0.235706249
1.00	4.865	0.326	4.539	22.975	0.058031605	0.293737854
1.25	5.250	0.474	4.776	27.751	0.061061675	0.354799530
1.50	4.404	0.609	3.795	31.546	0.048519485	0.403319014
1.75	6.416	0.981	5.435	36.981	0.069487061	0.472806075
2.00	6.138	0.855	5.283	42.264	0.067543725	0.540349801
2.25	6.809	0.629	6.180	48.444	0.079011967	0.619361767
2.50	8.804	0.663	8.141	56.585	0.104083563	0.723445331
2.75	9.906	1.464	8.442	65.027	0.107931881	0.831377212
3.00	10.223	2.611	7.612	72.639	0.097320241	0.928697453
3.25	4.454	1.911	2.543	75.182	0.032512529	0.961209983
3.50	4.872	2.232	2.640	77.822	0.033752685	0.994962667
3.75	2.664	2.636	0.028	77.850	0.000357983	0.995320651
4.00	1.656	1.395	0.261	78.111	0.003336913	0.998657564
PAN	0.623	0.518	0.105	78.216	0.001342436	1.0

<b>TOTAL WT.</b>	95.722	grams
<b>CO3 WT</b>	78.216	grams
<b>% CARBONATE</b>	81.712	



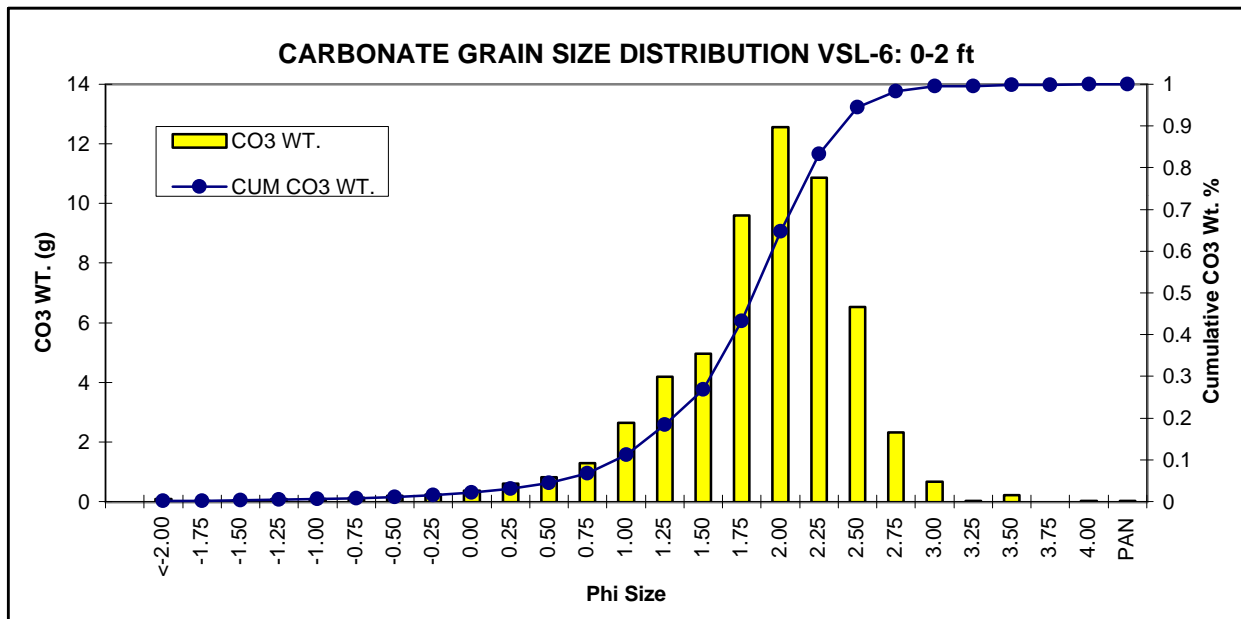


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-6 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.084	0.000	0.084	0.084	0.001435260	0.001435260
-1.75	0.017	0.000	0.017	0.101	0.000290469	0.001725729
-1.50	0.039	0.000	0.039	0.140	0.000666371	0.002392099
-1.25	0.096	0.000	0.096	0.236	0.001640297	0.004032396
-1.00	0.085	0.000	0.085	0.321	0.001452346	0.005484742
-0.75	0.123	0.000	0.123	0.444	0.002101630	0.007586372
-0.50	0.183	0.000	0.183	0.627	0.003126815	0.010713187
-0.25	0.240	0.000	0.240	0.867	0.004100742	0.014813929
0.00	0.360	0.000	0.360	1.227	0.006151112	0.020965041
0.25	0.600	0.000	0.600	1.827	0.010251854	0.031216895
0.50	0.811	0.000	0.811	2.638	0.013857089	0.045073984
0.75	1.299	0.000	1.299	3.937	0.022195264	0.067269248
1.00	2.643	0.009	2.634	6.571	0.045005639	0.112274886
1.25	4.241	0.062	4.179	10.750	0.071404162	0.183679049
1.50	5.332	0.377	4.955	15.705	0.084663227	0.268342275
1.75	12.890	3.299	9.591	25.296	0.163875884	0.432218159
2.00	19.816	7.248	12.568	37.864	0.214742166	0.646960325
2.25	18.113	7.241	10.872	48.736	0.185763592	0.832723918
2.50	9.265	2.739	6.526	55.262	0.111505997	0.944229915
2.75	2.915	0.606	2.309	57.571	0.039452551	0.983682466
3.00	0.889	0.229	0.660	58.231	0.011277039	0.994959505
3.25	0.051	0.036	0.015	58.246	0.000256296	0.995215802
3.50	0.315	0.090	0.225	58.471	0.003844445	0.999060247
3.75	0.112	0.105	0.007	58.478	0.000119605	0.999179852
4.00	0.064	0.041	0.023	58.501	0.000392988	0.999572839
PAN	0.049	0.024	0.025	58.526	0.000427161	1.0

<b>TOTAL WT.</b>	80.632	grams
<b>CO3 WT</b>	58.526	grams
<b>% CARBONATE</b>	72.584	

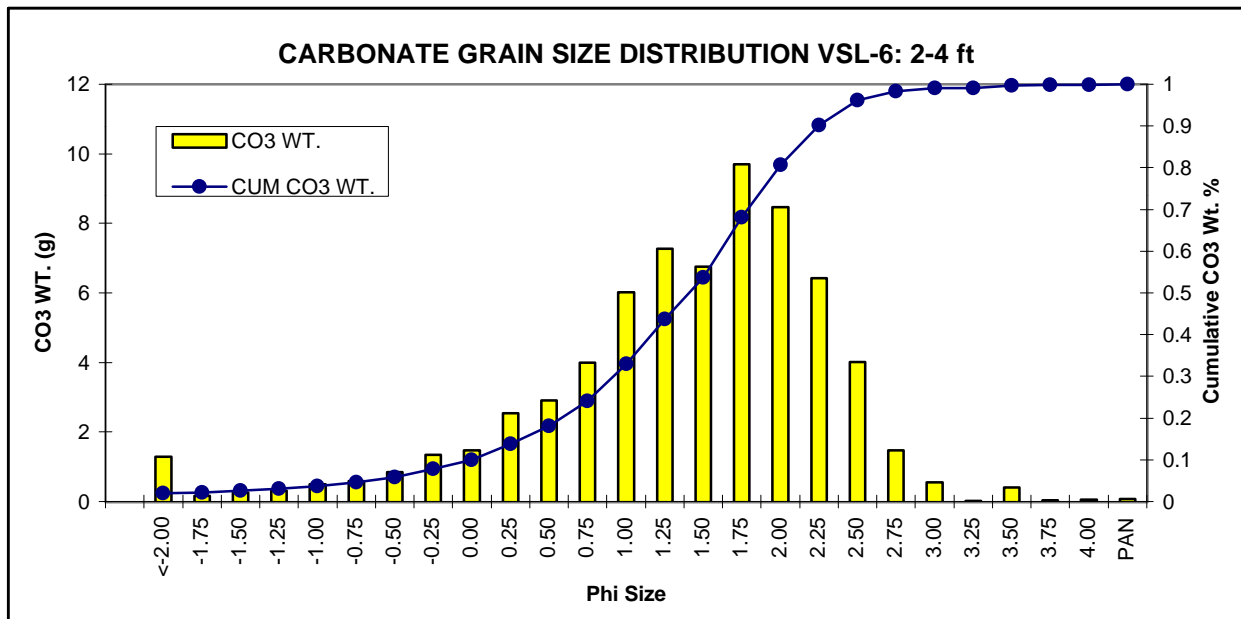


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-6 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.294	0.000	1.294	1.294	0.019179463	0.019179463
-1.75	0.168	0.000	0.168	1.462	0.002490069	0.021669532
-1.50	0.261	0.000	0.261	1.723	0.003868501	0.025538033
-1.25	0.318	0.000	0.318	2.041	0.004713346	0.030251378
-1.00	0.492	0.000	0.492	2.533	0.007292346	0.037543724
-0.75	0.586	0.000	0.586	3.119	0.008685599	0.046229324
-0.50	0.851	0.000	0.851	3.970	0.012613387	0.058842711
-0.25	1.337	0.000	1.337	5.307	0.019816802	0.078659513
0.00	1.470	0.000	1.470	6.777	0.021788107	0.100447620
0.25	2.548	0.000	2.548	9.325	0.037766052	0.138213672
0.50	2.907	0.006	2.901	12.226	0.042998162	0.181211834
0.75	3.994	0.007	3.987	16.213	0.059094682	0.240306516
1.00	6.065	0.048	6.017	22.230	0.089183020	0.329489536
1.25	7.411	0.147	7.264	29.494	0.107665856	0.437155392
1.50	7.292	0.543	6.749	36.243	0.100032608	0.537188000
1.75	12.293	2.600	9.693	45.936	0.143668109	0.680856110
2.00	12.666	4.196	8.470	54.406	0.125540997	0.806397107
2.25	9.791	3.373	6.418	60.824	0.095126579	0.901523685
2.50	5.285	1.265	4.020	64.844	0.059583803	0.961107488
2.75	1.800	0.320	1.480	66.324	0.021936325	0.983043813
3.00	0.738	0.180	0.558	66.882	0.008270588	0.991314401
3.25	0.049	0.036	0.013	66.895	0.000192684	0.991507085
3.50	0.592	0.183	0.409	67.304	0.006062133	0.997569218
3.75	0.286	0.252	0.034	67.338	0.000503943	0.998073161
4.00	0.278	0.215	0.063	67.401	0.000933776	0.999006937
PAN	0.206	0.139	0.067	67.468	0.000993063	1.0

<b>TOTAL WT.</b>	80.978	grams
<b>CO3 WT</b>	67.468	grams
<b>% CARBONATE</b>	83.316	

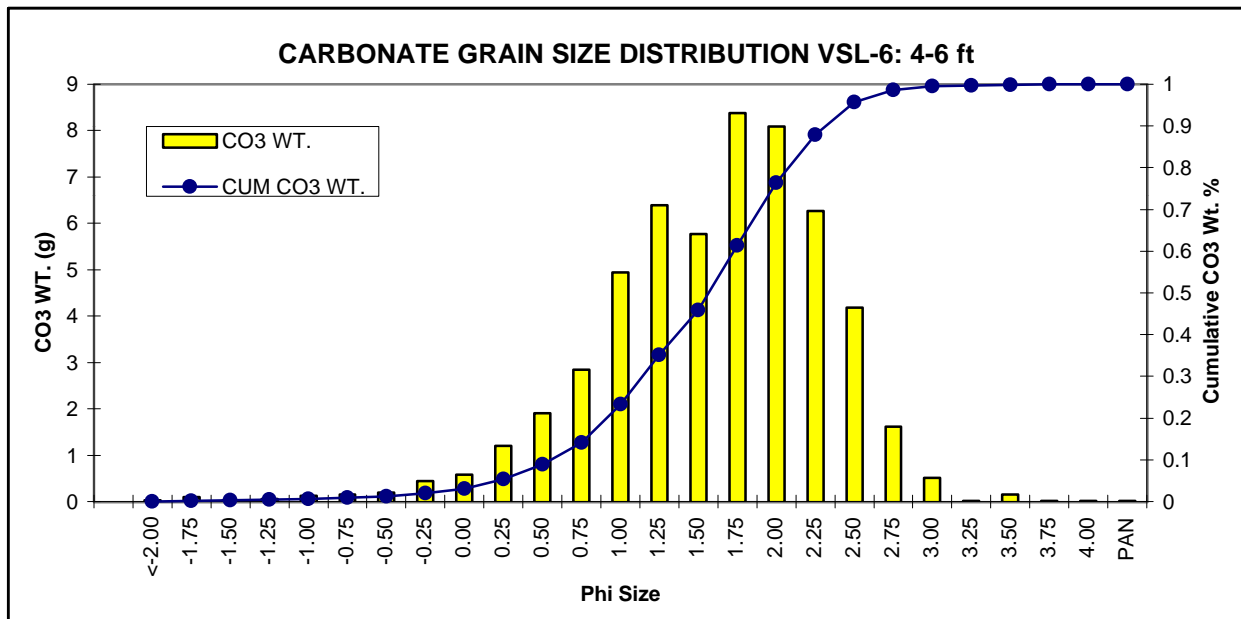


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-6 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.031	0.000	0.031	0.031	0.000574340	0.000574340
-1.75	0.092	0.000	0.092	0.123	0.001704493	0.002278833
-1.50	0.028	0.000	0.028	0.151	0.000518759	0.002797591
-1.25	0.058	0.000	0.058	0.209	0.001074572	0.003872163
-1.00	0.119	0.000	0.119	0.328	0.002204724	0.006076887
-0.75	0.149	0.000	0.149	0.477	0.002760537	0.008837425
-0.50	0.188	0.000	0.188	0.665	0.003483094	0.012320519
-0.25	0.440	0.000	0.440	1.105	0.008151922	0.020472441
0.00	0.578	0.000	0.578	1.683	0.010708661	0.031181102
0.25	1.201	0.000	1.201	2.884	0.022251042	0.053432145
0.50	1.901	0.001	1.900	4.784	0.035201482	0.088633627
0.75	2.850	0.010	2.840	7.624	0.052616952	0.141250579
1.00	5.058	0.111	4.947	12.571	0.091653543	0.232904122
1.25	6.766	0.375	6.391	18.962	0.118406670	0.351310792
1.50	7.261	1.485	5.776	24.738	0.107012506	0.458323298
1.75	13.892	5.508	8.384	33.122	0.155331172	0.613654470
2.00	14.455	6.372	8.083	41.205	0.149754516	0.763408986
2.25	10.905	4.639	6.266	47.471	0.116090783	0.879499768
2.50	5.873	1.694	4.179	51.650	0.077424734	0.956924502
2.75	2.053	0.439	1.614	53.264	0.029902733	0.986827235
3.00	0.692	0.188	0.504	53.768	0.009337656	0.996164891
3.25	0.030	0.016	0.014	53.782	0.000259379	0.996424270
3.50	0.239	0.094	0.145	53.927	0.002686429	0.999110699
3.75	0.043	0.025	0.018	53.945	0.000333488	0.999444187
4.00	0.023	0.011	0.012	53.957	0.000222325	0.999666512
PAN	0.022	0.004	0.018	53.975	0.000333488	1.0

<b>TOTAL WT.</b>	74.947	grams
<b>CO3 WT</b>	53.975	grams
<b>% CARBONATE</b>	72.018	

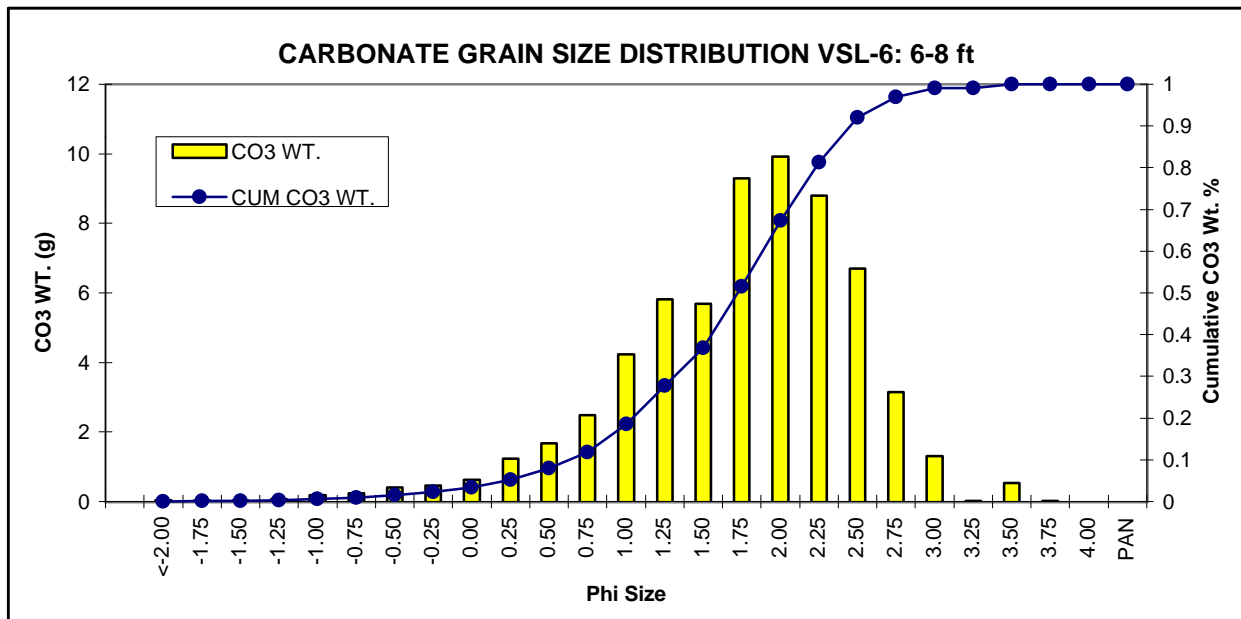


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-6 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.037	0.000	0.037	0.037	0.000587581	0.000587581
-1.75	0.038	0.000	0.038	0.075	0.000603462	0.001191043
-1.50	0.039	0.000	0.039	0.114	0.000619343	0.001810386
-1.25	0.068	0.000	0.068	0.182	0.001079879	0.002890265
-1.00	0.176	0.000	0.176	0.358	0.002794982	0.005685247
-0.75	0.231	0.000	0.231	0.589	0.003668414	0.009353660
-0.50	0.404	0.000	0.404	0.993	0.006415754	0.015769414
-0.25	0.469	0.000	0.469	1.462	0.007447991	0.023217405
0.00	0.633	0.000	0.633	2.095	0.010052406	0.033269811
0.25	1.224	0.000	1.224	3.319	0.019437828	0.052707639
0.50	1.671	0.000	1.671	4.990	0.026536446	0.079244084
0.75	2.488	0.005	2.483	7.473	0.039431475	0.118675560
1.00	4.323	0.091	4.232	11.705	0.067206606	0.185882166
1.25	6.156	0.338	5.818	17.523	0.092393203	0.278275369
1.50	6.854	1.172	5.682	23.205	0.090233444	0.368508814
1.75	14.130	4.840	9.290	32.495	0.147530570	0.516039384
2.00	16.343	6.421	9.922	42.417	0.157567095	0.673606479
2.25	14.408	5.612	8.796	51.213	0.139685565	0.813292044
2.50	9.386	2.692	6.694	57.907	0.106304589	0.919596633
2.75	4.074	0.922	3.152	61.059	0.050055582	0.969652215
3.00	1.773	0.465	1.308	62.367	0.020771796	0.990424011
3.25	0.093	0.066	0.027	62.394	0.000428776	0.990852787
3.50	0.716	0.176	0.540	62.934	0.008575512	0.999428299
3.75	0.165	0.145	0.020	62.954	0.000317612	0.999745911
4.00	0.119	0.111	0.008	62.962	0.000127045	0.999872955
PAN	0.097	0.089	0.008	62.970	0.000127045	1.0

<b>TOTAL WT.</b>	86.115	grams
<b>CO3 WT</b>	62.970	grams
<b>% CARBONATE</b>	73.123	

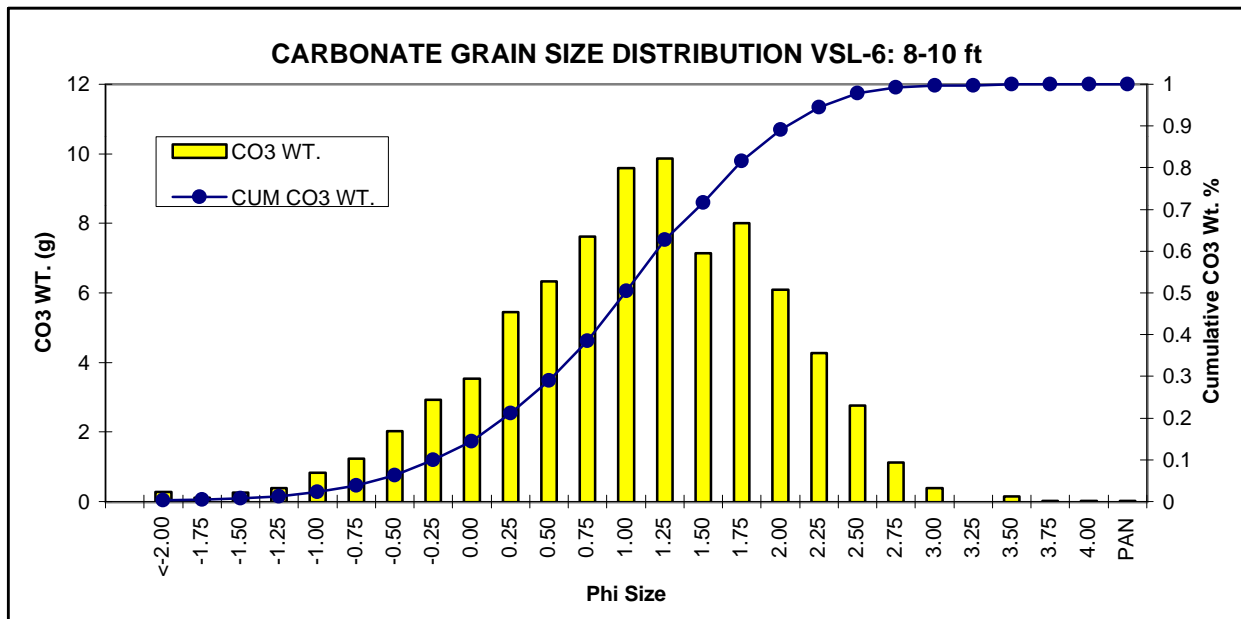


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-6 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.279	0.000	0.279	0.279	0.003471358	0.003471358
-1.75	0.103	0.000	0.103	0.382	0.001281541	0.004752899
-1.50	0.324	0.074	0.250	0.632	0.003110536	0.007863435
-1.25	0.427	0.049	0.378	1.010	0.004703130	0.012566565
-1.00	0.870	0.041	0.829	1.839	0.010314537	0.022881103
-0.75	1.277	0.042	1.235	3.074	0.015366048	0.038247151
-0.50	2.059	0.042	2.017	5.091	0.025095805	0.063342955
-0.25	2.953	0.034	2.919	8.010	0.036318618	0.099661574
0.00	3.556	0.017	3.539	11.549	0.044032748	0.143694321
0.25	5.460	0.018	5.442	16.991	0.067710148	0.211404469
0.50	6.346	0.019	6.327	23.318	0.078721445	0.290125914
0.75	7.701	0.078	7.623	30.941	0.094846464	0.384972378
1.00	9.950	0.355	9.595	40.536	0.119382372	0.504354750
1.25	10.711	0.844	9.867	50.403	0.122766635	0.627121386
1.50	9.020	1.878	7.142	57.545	0.088861793	0.715983178
1.75	13.066	5.061	8.005	65.550	0.099599363	0.815582541
2.00	10.590	4.504	6.086	71.636	0.075722889	0.891305430
2.25	7.168	2.898	4.270	75.906	0.053127955	0.944433385
2.50	3.860	1.092	2.768	78.674	0.034439855	0.978873239
2.75	1.440	0.320	1.120	79.794	0.013935201	0.992808441
3.00	0.579	0.196	0.383	80.177	0.004765341	0.997573782
3.25	0.024	0.016	0.008	80.185	0.000099537	0.997673319
3.50	0.289	0.143	0.146	80.331	0.001816553	0.999489872
3.75	0.099	0.080	0.019	80.350	0.000236401	0.999726273
4.00	0.077	0.066	0.011	80.361	0.000136864	0.999863136
PAN	0.065	0.054	0.011	80.372	0.000136864	1.0

<b>TOTAL WT.</b>	98.293	grams
<b>CO3 WT</b>	80.372	grams
<b>% CARBONATE</b>	81.768	

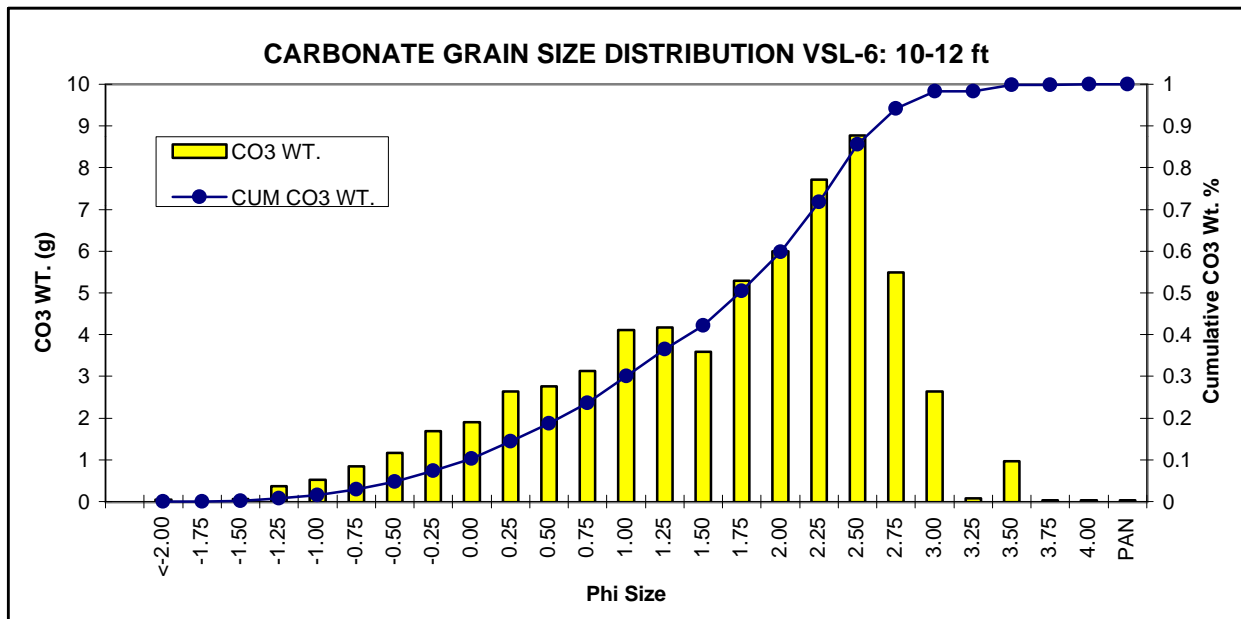


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-6 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.043	0.000	0.043	0.043	0.000671697	0.000671697
-1.75	0.000	0.000	0.000	0.043	0.000000000	0.000671697
-1.50	0.063	0.000	0.063	0.106	0.000984114	0.001655810
-1.25	0.375	0.000	0.375	0.481	0.005857819	0.007513629
-1.00	0.514	0.000	0.514	0.995	0.008029117	0.015542746
-0.75	0.841	0.000	0.841	1.836	0.013137135	0.028679882
-0.50	1.170	0.000	1.170	3.006	0.018276395	0.046956277
-0.25	1.687	0.000	1.687	4.693	0.026352375	0.073308652
0.00	1.908	0.000	1.908	6.601	0.029804583	0.103113236
0.25	2.632	0.000	2.632	9.233	0.041114079	0.144227315
0.50	2.761	0.001	2.760	11.993	0.043113548	0.187340863
0.75	3.144	0.014	3.130	15.123	0.048893263	0.236234125
1.00	4.153	0.050	4.103	19.226	0.064092350	0.300326476
1.25	4.316	0.146	4.170	23.396	0.065138947	0.365465423
1.50	4.126	0.539	3.587	26.983	0.056031992	0.421497415
1.75	7.594	2.300	5.294	32.277	0.082696784	0.504194198
2.00	9.334	3.335	5.999	38.276	0.093709483	0.597903682
2.25	11.548	3.835	7.713	45.989	0.120483622	0.718387303
2.50	11.800	3.022	8.778	54.767	0.137119828	0.855507131
2.75	7.039	1.554	5.485	60.252	0.085680366	0.941187497
3.00	3.511	0.868	2.643	62.895	0.041285908	0.982473406
3.25	0.536	0.465	0.071	62.966	0.001109080	0.983582486
3.50	1.337	0.376	0.961	63.927	0.015011638	0.998594123
3.75	0.398	0.367	0.031	63.958	0.000484246	0.999078370
4.00	0.297	0.264	0.033	63.991	0.000515488	0.999593858
PAN	0.130	0.104	0.026	64.017	0.000406142	1.0

<b>TOTAL WT.</b>	81.257	grams
<b>CO3 WT</b>	64.017	grams
<b>% CARBONATE</b>	78.783	

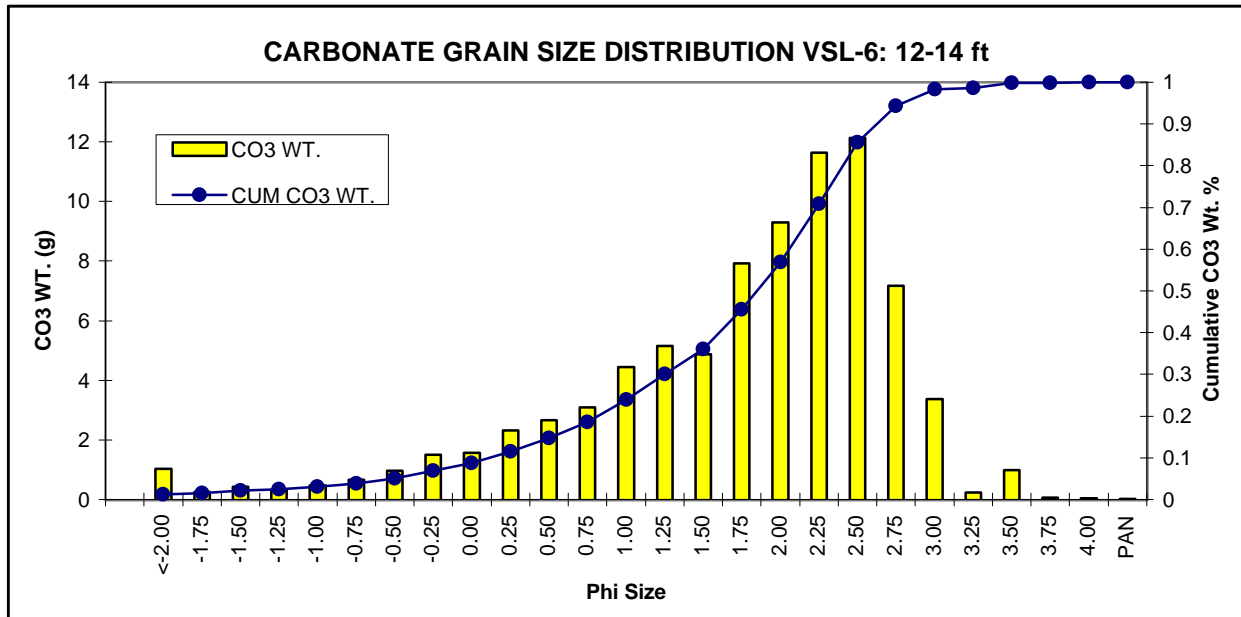


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-6 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.029	0.000	1.029	1.029	0.012447380	0.012447380
-1.75	0.267	0.000	0.267	1.296	0.003229787	0.015677166
-1.50	0.440	0.000	0.440	1.736	0.005322495	0.020999661
-1.25	0.317	0.002	0.315	2.051	0.003810422	0.024810084
-1.00	0.480	0.005	0.475	2.526	0.005745875	0.030555959
-0.75	0.663	0.004	0.659	3.185	0.007971646	0.038527604
-0.50	0.978	0.004	0.974	4.159	0.011782068	0.050309672
-0.25	1.516	0.010	1.506	5.665	0.018217448	0.068527121
0.00	1.579	0.012	1.567	7.232	0.018955339	0.087482460
0.25	2.345	0.022	2.323	9.555	0.028100353	0.115582813
0.50	2.674	0.021	2.653	12.208	0.032092224	0.147675037
0.75	3.126	0.025	3.101	15.309	0.037511492	0.185186529
1.00	4.497	0.046	4.451	19.760	0.053841874	0.239028403
1.25	5.226	0.079	5.147	24.907	0.062261093	0.301289495
1.50	5.158	0.280	4.878	29.785	0.059007113	0.360296608
1.75	9.237	1.316	7.921	37.706	0.095817003	0.456113611
2.00	11.852	2.559	9.293	46.999	0.112413509	0.568527121
2.25	14.854	3.217	11.637	58.636	0.140767891	0.709295011
2.50	14.665	2.533	12.132	70.768	0.146755697	0.856050709
2.75	8.617	1.448	7.169	77.937	0.086720375	0.942771084
3.00	4.261	0.893	3.368	81.305	0.040741278	0.983512363
3.25	0.619	0.392	0.227	81.532	0.002745923	0.986258286
3.50	1.275	0.277	0.998	82.530	0.012072386	0.998330672
3.75	0.303	0.231	0.072	82.602	0.000870954	0.999201626
4.00	0.187	0.136	0.051	82.653	0.000616926	0.999818551
PAN	0.139	0.124	0.015	82.668	0.000181449	1.0

<b>TOTAL WT.</b>	96.304	grams
<b>CO3 WT</b>	82.668	grams
<b>% CARBONATE</b>	85.841	

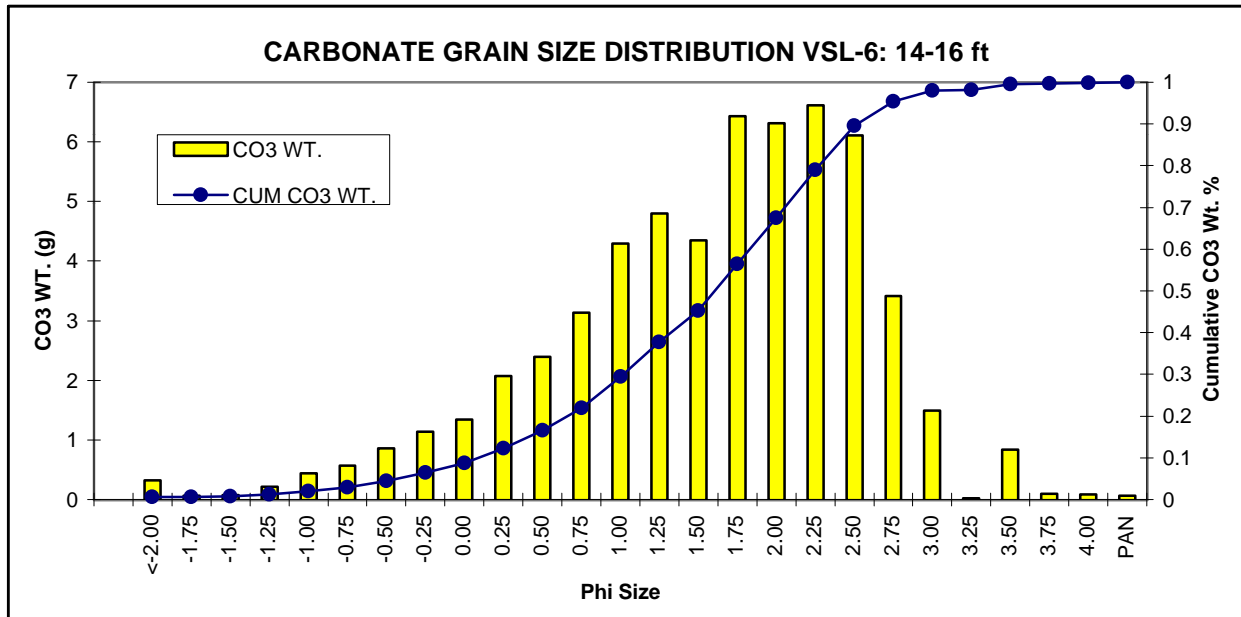


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-6 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.324	0.000	0.324	0.324	0.005629789	0.005629789
-1.75	0.062	0.000	0.062	0.386	0.001077305	0.006707095
-1.50	0.079	0.000	0.079	0.465	0.001372696	0.008079790
-1.25	0.211	0.000	0.211	0.676	0.003666313	0.011746103
-1.00	0.440	0.000	0.440	1.116	0.007645393	0.019391496
-0.75	0.571	0.000	0.571	1.687	0.009921635	0.029313131
-0.50	0.863	0.000	0.863	2.550	0.014995395	0.044308526
-0.25	1.134	0.000	1.134	3.684	0.019704262	0.064012789
0.00	1.344	0.000	1.344	5.028	0.023353200	0.087365988
0.25	2.073	0.000	2.073	7.101	0.036020226	0.123386214
0.50	2.392	0.001	2.391	9.492	0.041545759	0.164931973
0.75	3.138	0.001	3.137	12.629	0.054508175	0.219440149
1.00	4.304	0.011	4.293	16.922	0.074594707	0.294034856
1.25	4.840	0.041	4.799	21.721	0.083386909	0.377421765
1.50	4.529	0.177	4.352	26.073	0.075619885	0.453041650
1.75	7.263	0.834	6.429	32.502	0.111709614	0.564751264
2.00	7.810	1.498	6.312	38.814	0.109676635	0.674427899
2.25	8.288	1.677	6.611	45.425	0.114872027	0.789299925
2.50	7.325	1.217	6.108	51.533	0.106131953	0.895431878
2.75	4.107	0.695	3.412	54.945	0.059286546	0.954718424
3.00	1.911	0.414	1.497	56.442	0.026011711	0.980730135
3.25	0.090	0.066	0.024	56.466	0.000417021	0.981147156
3.50	1.154	0.317	0.837	57.303	0.014543622	0.995690779
3.75	0.687	0.594	0.093	57.396	0.001615958	0.997306737
4.00	0.488	0.402	0.086	57.482	0.001494327	0.998801063
PAN	0.216	0.147	0.069	57.551	0.001198937	1.0

<b>TOTAL WT.</b>	65.643	grams
<b>CO3 WT</b>	57.551	grams
<b>% CARBONATE</b>	87.673	



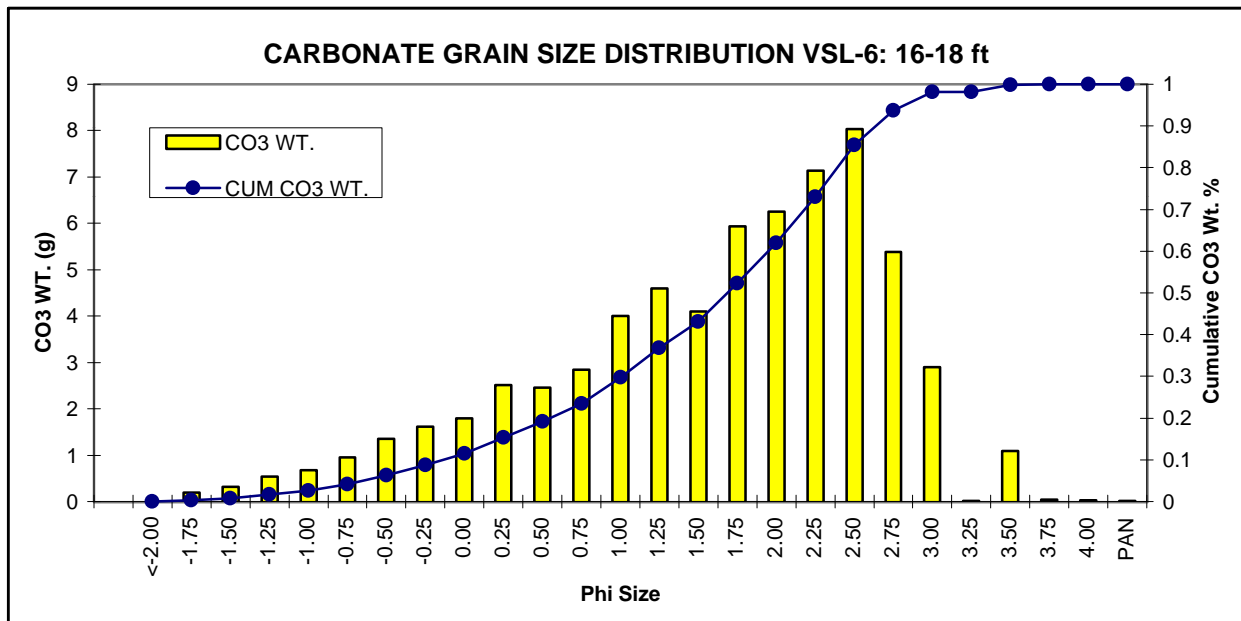


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-6 : 16-18 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	0.196	0.000	0.196	0.196	0.003026232	0.003026232
-1.50	0.318	0.000	0.318	0.514	0.004909908	0.007936140
-1.25	0.543	0.000	0.543	1.057	0.008383899	0.016320040
-1.00	0.673	0.003	0.670	1.727	0.010344774	0.026664814
-0.75	0.964	0.008	0.956	2.683	0.014760603	0.041425417
-0.50	1.361	0.015	1.346	4.029	0.020782188	0.062207606
-0.25	1.621	0.011	1.610	5.639	0.024858338	0.087065944
0.00	1.821	0.025	1.796	7.435	0.027730171	0.114796115
0.25	2.543	0.033	2.510	9.945	0.038754304	0.153550419
0.50	2.491	0.028	2.463	12.408	0.038028626	0.191579045
0.75	2.871	0.032	2.839	15.247	0.043834051	0.235413096
1.00	4.054	0.055	3.999	19.246	0.061744407	0.297157503
1.25	4.760	0.166	4.594	23.840	0.070931184	0.368088687
1.50	4.712	0.612	4.100	27.940	0.063303843	0.431392530
1.75	8.747	2.810	5.937	33.877	0.091667053	0.523059583
2.00	10.094	3.839	6.255	40.132	0.096576960	0.619636543
2.25	10.596	3.456	7.140	47.272	0.110241327	0.729877870
2.50	10.685	2.646	8.039	55.311	0.124121852	0.853999722
2.75	6.974	1.588	5.386	60.697	0.083159634	0.937159356
3.00	3.946	1.053	2.893	63.590	0.044667809	0.981827165
3.25	0.578	0.558	0.020	63.610	0.000308799	0.982135964
3.50	1.466	0.381	1.085	64.695	0.016752358	0.998888323
3.75	0.317	0.280	0.037	64.732	0.000571279	0.999459601
4.00	0.180	0.153	0.027	64.759	0.000416879	0.999876480
PAN	0.137	0.129	0.008	64.767	0.000123520	1.0

<b>TOTAL WT.</b>	82.648	grams
<b>CO3 WT</b>	64.767	grams
<b>% CARBONATE</b>	78.365	

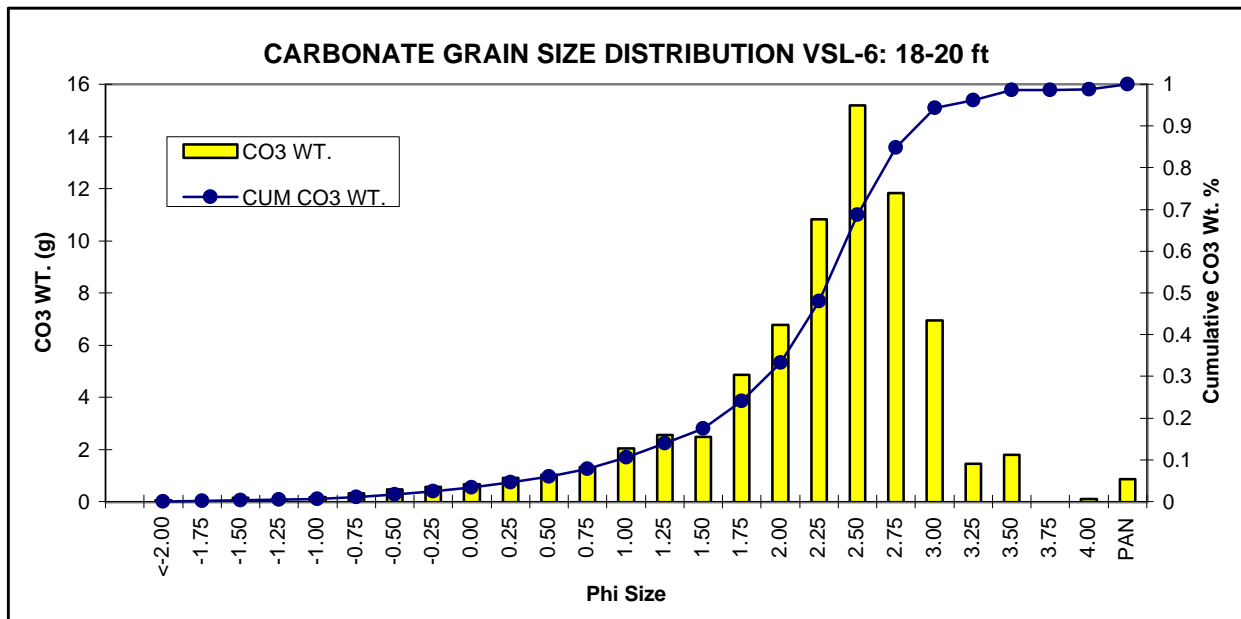


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-6 : 18-20 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.053	0.000	0.053	0.053	0.000722031	0.000722031
-1.75	0.011	0.000	0.011	0.064	0.000149856	0.000871887
-1.50	0.139	0.000	0.139	0.203	0.001893630	0.002765517
-1.25	0.079	0.000	0.079	0.282	0.001076236	0.003841752
-1.00	0.179	0.000	0.179	0.461	0.002438559	0.006280312
-0.75	0.319	0.002	0.317	0.778	0.004318566	0.010598877
-0.50	0.479	0.001	0.478	1.256	0.006511907	0.017110784
-0.25	0.555	0.001	0.554	1.810	0.007547273	0.024658057
0.00	0.664	0.001	0.663	2.473	0.009032205	0.033690262
0.25	0.902	0.003	0.899	3.372	0.012247289	0.045937551
0.50	1.039	0.001	1.038	4.410	0.014140919	0.060078470
0.75	1.323	0.004	1.319	5.729	0.017969048	0.078047518
1.00	2.035	0.009	2.026	7.755	0.027600676	0.105648194
1.25	2.557	0.014	2.543	10.298	0.034643889	0.140292082
1.50	2.675	0.186	2.489	12.787	0.033908234	0.174200316
1.75	6.149	1.299	4.850	17.637	0.066072694	0.240273010
2.00	9.266	2.492	6.774	24.411	0.092283799	0.332556809
2.25	13.927	3.116	10.811	35.222	0.147280802	0.479837611
2.50	18.371	3.176	15.195	50.417	0.207005068	0.686842679
2.75	15.000	3.177	11.823	62.240	0.161067517	0.847910196
3.00	9.761	2.806	6.955	69.195	0.094749605	0.942659801
3.25	3.030	1.588	1.442	70.637	0.019644706	0.962304507
3.50	3.392	1.597	1.795	72.432	0.024453708	0.986758215
3.75	1.417	1.405	0.012	72.444	0.000163479	0.986921694
4.00	0.800	0.704	0.096	72.540	0.001307831	0.988229524
PAN	1.169	0.305	0.864	73.404	0.011770476	1.0

<b>TOTAL WT.</b>	95.291	grams
<b>CO3 WT</b>	73.404	grams
<b>% CARBONATE</b>	77.031	

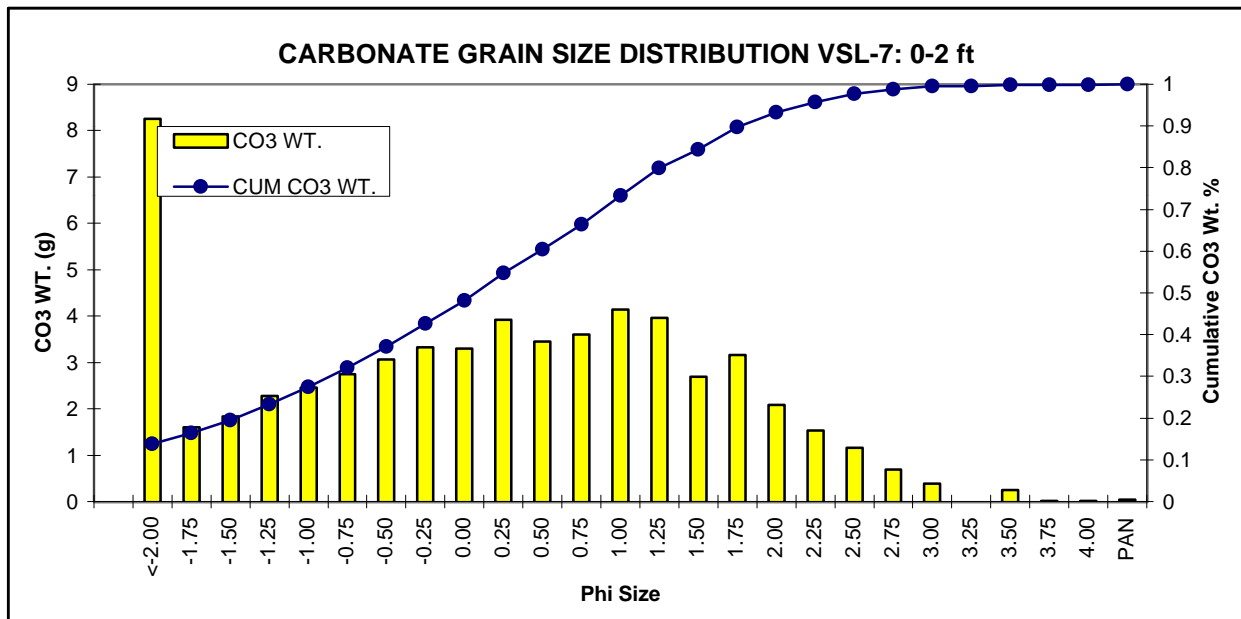


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-7 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	8.261	0.000	8.261	8.261	0.137717763	0.137717763
-1.75	1.605	0.000	1.605	9.866	0.026756689	0.164474452
-1.50	1.834	0.000	1.834	11.700	0.030574310	0.195048762
-1.25	2.283	0.000	2.283	13.983	0.038059515	0.233108277
-1.00	2.460	0.000	2.460	16.443	0.041010253	0.274118530
-0.75	2.750	0.000	2.750	19.193	0.045844795	0.319963324
-0.50	3.071	0.000	3.071	22.264	0.051196132	0.371159457
-0.25	3.332	0.005	3.327	25.591	0.055463866	0.426623322
0.00	3.298	0.001	3.297	28.888	0.054963741	0.481587063
0.25	3.952	0.026	3.926	32.814	0.065449696	0.547036759
0.50	3.471	0.026	3.445	36.259	0.057431024	0.604467784
0.75	3.701	0.103	3.598	39.857	0.059981662	0.664449446
1.00	4.442	0.306	4.136	43.993	0.068950571	0.733400017
1.25	4.401	0.440	3.961	47.954	0.066033175	0.799433192
1.50	3.184	0.493	2.691	50.645	0.044861215	0.844294407
1.75	3.925	0.764	3.161	53.806	0.052696507	0.896990914
2.00	2.753	0.664	2.089	55.895	0.034825373	0.931816287
2.25	1.974	0.447	1.527	57.422	0.025456364	0.957272651
2.50	1.420	0.258	1.162	58.584	0.019371510	0.976644161
2.75	0.864	0.169	0.695	59.279	0.011586230	0.988230391
3.00	0.534	0.146	0.388	59.667	0.006468284	0.994698675
3.25	0.041	0.036	0.005	59.672	0.000083354	0.994782029
3.50	0.384	0.138	0.246	59.918	0.004101025	0.998883054
3.75	0.204	0.197	0.007	59.925	0.000116696	0.998999750
4.00	0.128	0.116	0.012	59.937	0.000200050	0.999199800
PAN	0.144	0.096	0.048	59.985	0.000800200	1.0

<b>TOTAL WT.</b>	64.416	grams
<b>CO3 WT</b>	59.985	grams
<b>% CARBONATE</b>	93.121	

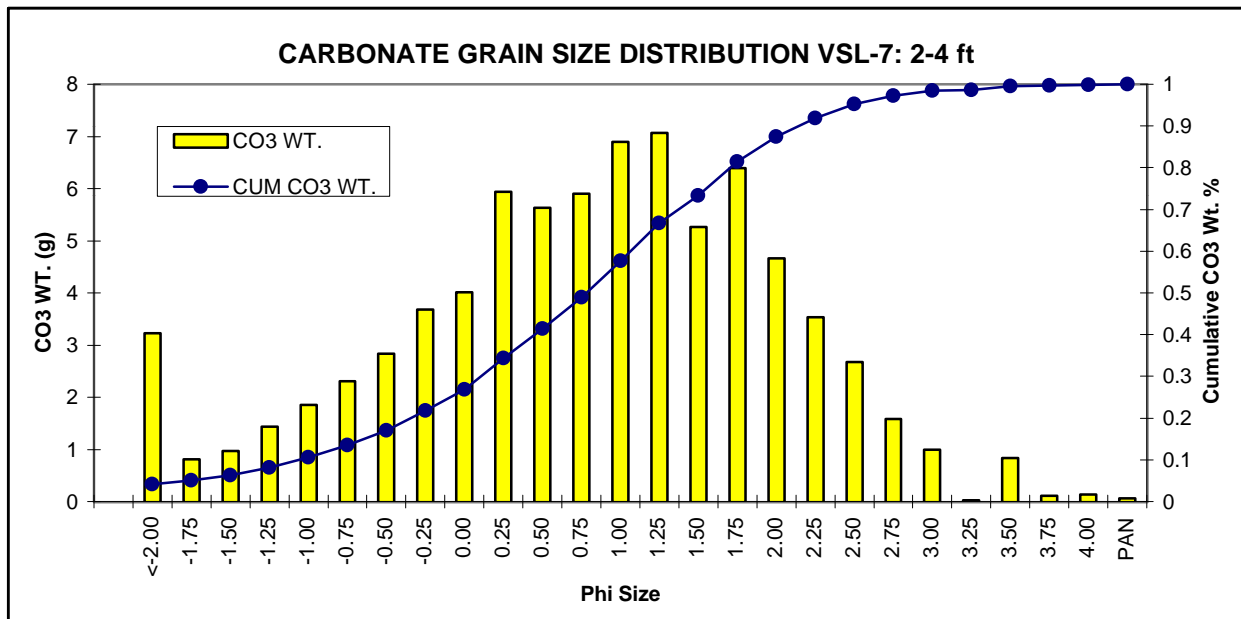


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-7 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	3.225	0.000	3.225	3.225	0.040909783	0.040909783
-1.75	0.806	0.000	0.806	4.031	0.010224274	0.051134057
-1.50	0.973	0.000	0.973	5.004	0.012342703	0.063476761
-1.25	1.436	0.000	1.436	6.440	0.018215953	0.081692714
-1.00	1.858	0.000	1.858	8.298	0.023569109	0.105261823
-0.75	2.304	0.000	2.304	10.602	0.029226710	0.134488533
-0.50	2.838	0.000	2.838	13.440	0.036000609	0.170489141
-0.25	3.686	0.000	3.686	17.126	0.046757662	0.217246803
0.00	4.008	0.000	4.008	21.134	0.050842298	0.268089101
0.25	5.952	0.014	5.938	27.072	0.075324741	0.343413842
0.50	5.677	0.046	5.631	32.703	0.071430384	0.414844226
0.75	6.008	0.107	5.901	38.604	0.074855389	0.489699614
1.00	7.256	0.358	6.898	45.502	0.087502537	0.577202151
1.25	7.962	0.899	7.063	52.565	0.089595596	0.666797747
1.50	6.292	1.031	5.261	57.826	0.066736858	0.733534605
1.75	7.890	1.493	6.397	64.223	0.081147250	0.814681855
2.00	5.883	1.224	4.659	68.882	0.059100365	0.873782220
2.25	4.373	0.836	3.537	72.419	0.044867566	0.918649787
2.50	3.146	0.471	2.675	75.094	0.033932921	0.952582708
2.75	1.902	0.320	1.582	76.676	0.020067993	0.972650700
3.00	1.304	0.311	0.993	77.669	0.012596408	0.985247108
3.25	0.080	0.061	0.019	77.688	0.000241019	0.985488127
3.50	1.227	0.390	0.837	78.525	0.010617516	0.996105642
3.75	0.900	0.791	0.109	78.634	0.001382687	0.997488330
4.00	0.749	0.613	0.136	78.770	0.001725188	0.999213517
PAN	0.351	0.289	0.062	78.832	0.000786483	1.0

<b>TOTAL WT.</b>	88.086	grams
<b>CO3 WT</b>	78.832	grams
<b>% CARBONATE</b>	89.494	

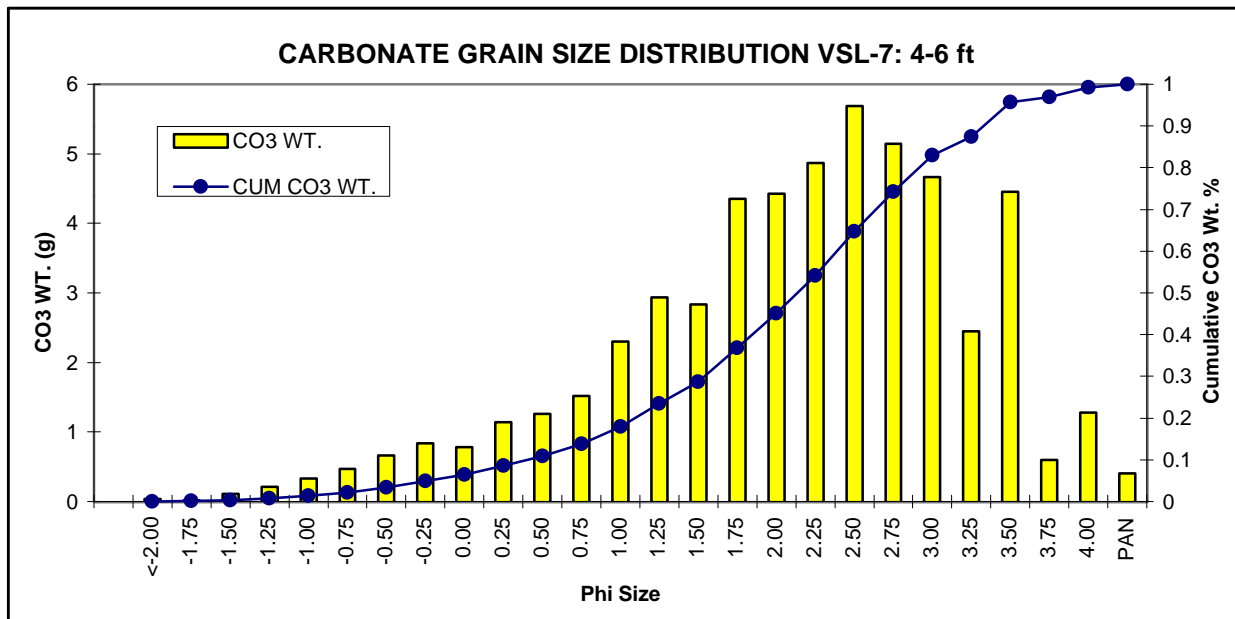


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-7 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.033	0.000	0.033	0.033	0.000613622	0.000613622
-1.75	0.023	0.000	0.023	0.056	0.000427676	0.001041299
-1.50	0.110	0.000	0.110	0.166	0.002045408	0.003086707
-1.25	0.211	0.000	0.211	0.377	0.003923465	0.007010171
-1.00	0.328	0.000	0.328	0.705	0.006099035	0.013109206
-0.75	0.465	0.000	0.465	1.170	0.008646498	0.021755704
-0.50	0.664	0.000	0.664	1.834	0.012346827	0.034102531
-0.25	0.838	0.000	0.838	2.672	0.015582290	0.049684821
0.00	0.784	0.000	0.784	3.456	0.014578181	0.064263002
0.25	1.149	0.005	1.144	4.600	0.021272244	0.085535246
0.50	1.266	0.004	1.262	5.862	0.023466409	0.109001655
0.75	1.536	0.013	1.523	7.385	0.028319604	0.137321259
1.00	2.368	0.070	2.298	9.683	0.042730434	0.180051693
1.25	3.167	0.236	2.931	12.614	0.054500827	0.234552521
1.50	3.495	0.659	2.836	15.450	0.052734339	0.287286859
1.75	5.548	1.193	4.355	19.805	0.080979565	0.368266424
2.00	5.302	0.873	4.429	24.234	0.082355566	0.450621990
2.25	5.571	0.702	4.869	29.103	0.090537199	0.541159189
2.50	6.377	0.692	5.685	34.788	0.105710407	0.646869596
2.75	6.127	0.987	5.140	39.928	0.095576340	0.742445936
3.00	5.969	1.307	4.662	44.590	0.086688112	0.829134049
3.25	3.871	1.421	2.450	47.040	0.045556816	0.874690864
3.50	8.349	3.895	4.454	51.494	0.082820432	0.957511296
3.75	9.377	8.779	0.598	52.092	0.011119582	0.968630878
4.00	7.988	6.705	1.283	53.375	0.023856896	0.992487774
PAN	3.218	2.814	0.404	53.779	0.007512226	1.0

<b>TOTAL WT.</b>	84.134	grams
<b>CO3 WT</b>	53.779	grams
<b>% CARBONATE</b>	63.921	

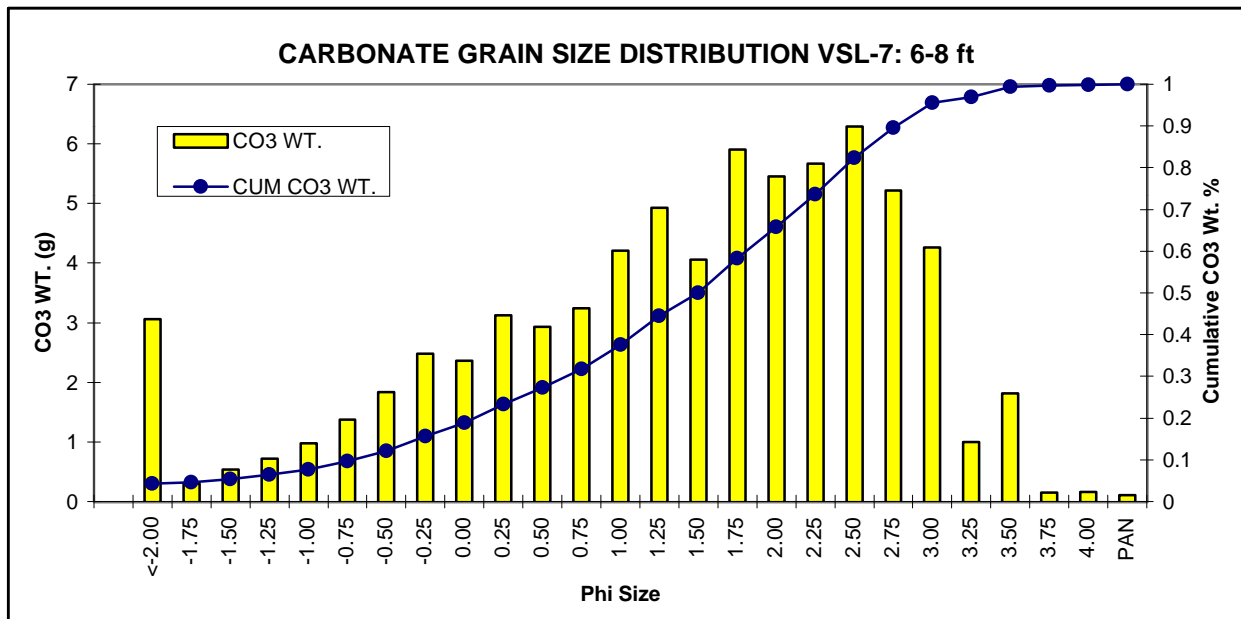


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-7 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	3.057	0.000	3.057	3.057	0.042355973	0.042355973
-1.75	0.305	0.000	0.305	3.362	0.004225899	0.046581872
-1.50	0.533	0.000	0.533	3.895	0.007384931	0.053966802
-1.25	0.716	0.000	0.716	4.611	0.009920470	0.063887272
-1.00	0.974	0.000	0.974	5.585	0.013495164	0.077382437
-0.75	1.374	0.000	1.374	6.959	0.019037326	0.096419763
-0.50	1.840	0.000	1.840	8.799	0.025493945	0.121913709
-0.25	2.482	0.001	2.481	11.280	0.034375260	0.156288968
0.00	2.371	0.005	2.366	13.646	0.032781888	0.189070857
0.25	3.164	0.036	3.128	16.774	0.043339707	0.232410563
0.50	2.993	0.063	2.930	19.704	0.040596337	0.273006900
0.75	3.349	0.108	3.241	22.945	0.044905368	0.317912268
1.00	4.550	0.346	4.204	27.149	0.058248123	0.376160390
1.25	5.913	0.980	4.933	32.082	0.068348713	0.444509103
1.50	5.702	1.644	4.058	36.140	0.056225233	0.500734336
1.75	8.259	2.349	5.910	42.050	0.081885444	0.582619780
2.00	7.139	1.682	5.457	47.507	0.075608945	0.658228725
2.25	6.989	1.316	5.673	53.180	0.078601713	0.736830438
2.50	7.231	0.940	6.291	59.471	0.087164353	0.823994790
2.75	6.270	1.056	5.214	64.685	0.072242082	0.896236872
3.00	5.622	1.359	4.263	68.948	0.059065591	0.955302463
3.25	1.877	0.876	1.001	69.949	0.013869260	0.969171724
3.50	3.170	1.358	1.812	71.761	0.025105994	0.994277718
3.75	1.819	1.665	0.154	71.915	0.002133732	0.996411450
4.00	1.069	0.912	0.157	72.072	0.002175299	0.998586749
PAN	0.461	0.359	0.102	72.174	0.001413251	1.0

<b>TOTAL WT.</b>	89.229	grams
<b>CO3 WT</b>	72.174	grams
<b>% CARBONATE</b>	80.886	

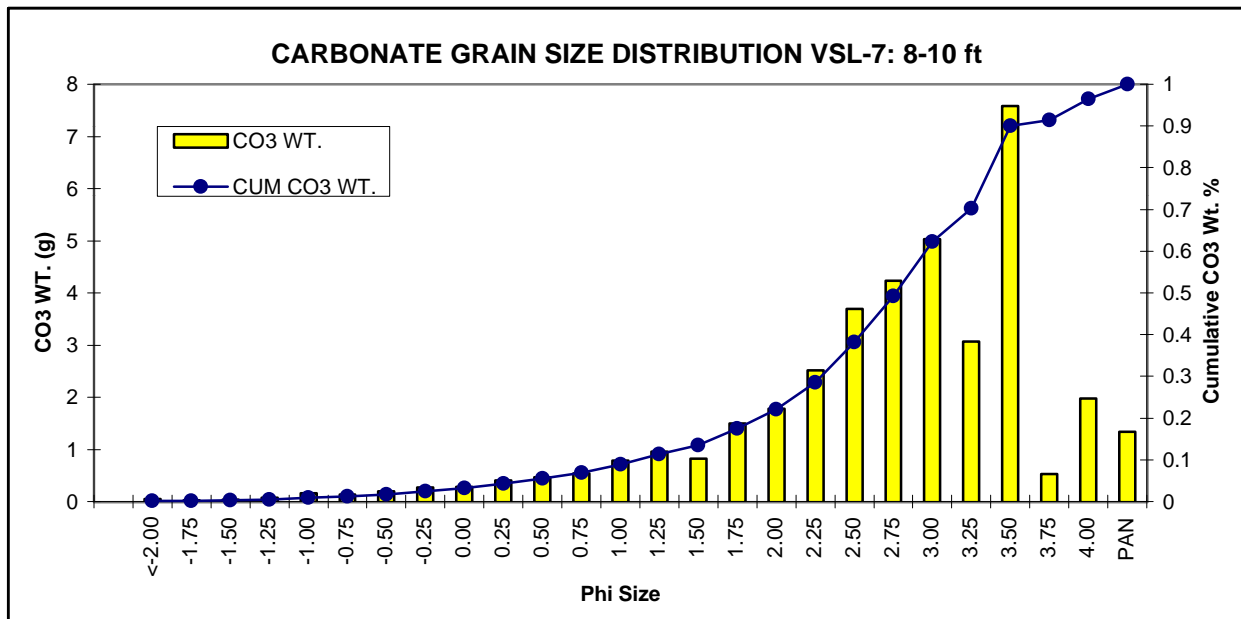


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-7 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.053	0.000	0.053	0.053	0.001379454	0.001379454
-1.75	0.019	0.000	0.019	0.072	0.000494521	0.001873975
-1.50	0.031	0.000	0.031	0.103	0.000806850	0.002680826
-1.25	0.079	0.000	0.079	0.182	0.002056167	0.004736993
-1.00	0.163	0.000	0.163	0.345	0.004242472	0.008979464
-0.75	0.133	0.000	0.133	0.478	0.003461649	0.012441113
-0.50	0.193	0.001	0.192	0.670	0.004997267	0.017438380
-0.25	0.272	0.000	0.272	0.942	0.007079462	0.024517842
0.00	0.279	0.001	0.278	1.220	0.007235626	0.031753468
0.25	0.404	0.001	0.403	1.623	0.010489055	0.042242524
0.50	0.472	0.001	0.471	2.094	0.012258921	0.054501445
0.75	0.545	0.009	0.536	2.630	0.013950704	0.068452149
1.00	0.798	0.014	0.784	3.414	0.020405507	0.088857656
1.25	0.994	0.041	0.953	4.367	0.024804144	0.113661800
1.50	0.950	0.122	0.828	5.195	0.021550714	0.135212514
1.75	1.790	0.296	1.494	6.689	0.038884985	0.174097499
2.00	2.129	0.354	1.775	8.464	0.046198693	0.220296192
2.25	2.917	0.405	2.512	10.976	0.065380911	0.285677104
2.50	4.113	0.425	3.688	14.664	0.095989173	0.381666276
2.75	4.957	0.722	4.235	18.899	0.110226178	0.491892455
3.00	6.512	1.484	5.028	23.927	0.130865933	0.622758387
3.25	4.925	1.854	3.071	26.998	0.079930246	0.702688634
3.50	15.296	7.717	7.579	34.577	0.197261914	0.899950548
3.75	19.584	19.056	0.528	35.105	0.013742485	0.913693032
4.00	13.187	11.208	1.979	37.084	0.051508290	0.965201322
PAN	4.713	3.376	1.337	38.421	0.034798678	1.0

<b>TOTAL WT.</b>	85.508	grams
<b>CO3 WT</b>	38.421	grams
<b>% CARBONATE</b>	44.933	

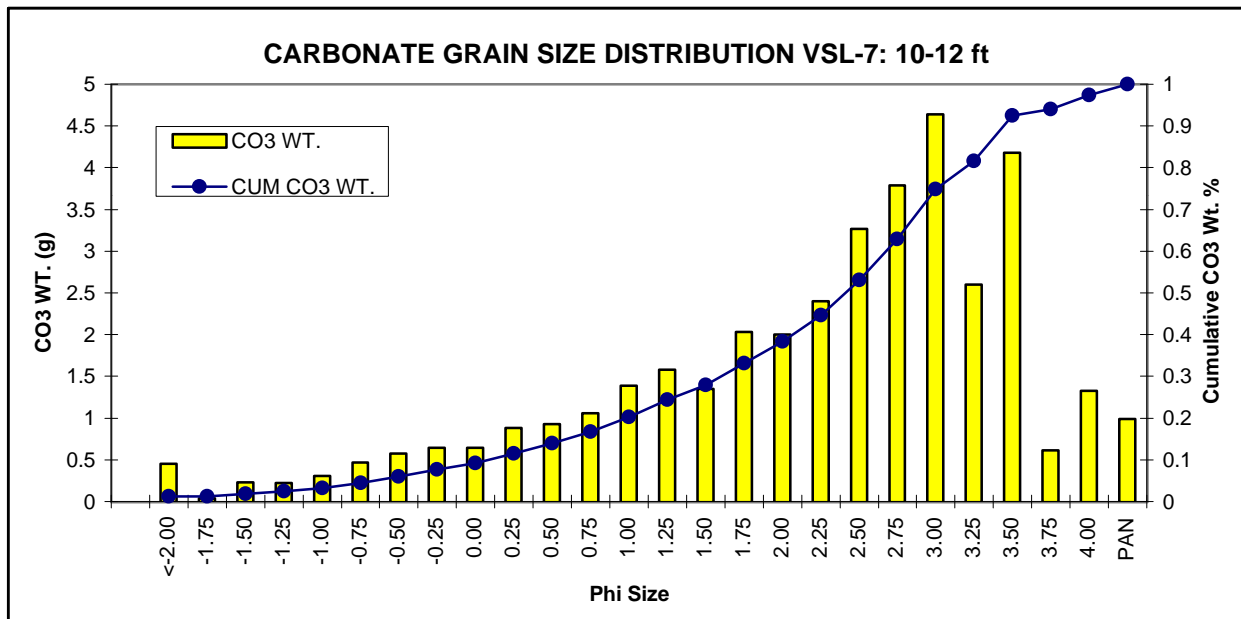


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-7 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.452	0.000	0.452	0.452	0.011703780	0.011703780
-1.75	0.038	0.000	0.038	0.490	0.000983946	0.012687727
-1.50	0.233	0.000	0.233	0.723	0.006033143	0.018720870
-1.25	0.219	0.000	0.219	0.942	0.005670637	0.024391507
-1.00	0.309	0.000	0.309	1.251	0.008001036	0.032392543
-0.75	0.466	0.000	0.466	1.717	0.012066287	0.044458830
-0.50	0.576	0.002	0.574	2.291	0.014862765	0.059321595
-0.25	0.644	0.002	0.642	2.933	0.016623511	0.075945106
0.00	0.658	0.013	0.645	3.578	0.016701191	0.092646297
0.25	0.904	0.022	0.882	4.460	0.022837908	0.115484205
0.50	0.964	0.036	0.928	5.388	0.024029001	0.139513206
0.75	1.113	0.054	1.059	6.447	0.027421025	0.166934231
1.00	1.504	0.113	1.391	7.838	0.036017607	0.202951838
1.25	1.760	0.179	1.581	9.419	0.040937338	0.243889177
1.50	1.732	0.383	1.349	10.768	0.034930088	0.278819265
1.75	2.677	0.641	2.036	12.804	0.052718799	0.331538063
2.00	2.519	0.517	2.002	14.806	0.051838426	0.383376489
2.25	2.810	0.406	2.404	17.210	0.062247540	0.445624029
2.50	3.641	0.372	3.269	20.479	0.084645262	0.530269291
2.75	4.486	0.697	3.789	24.268	0.098109788	0.628379078
3.00	6.083	1.445	4.638	28.906	0.120093216	0.748472294
3.25	4.247	1.646	2.601	31.507	0.067348524	0.815820818
3.50	8.664	4.482	4.182	35.689	0.108285862	0.924106680
3.75	8.776	8.159	0.617	36.306	0.015976178	0.940082859
4.00	7.426	6.100	1.326	37.632	0.034334542	0.974417400
PAN	3.935	2.947	0.988	38.620	0.025582600	1.0

<b>TOTAL WT.</b>	66.836	grams
<b>CO3 WT</b>	38.620	grams
<b>% CARBONATE</b>	57.783	



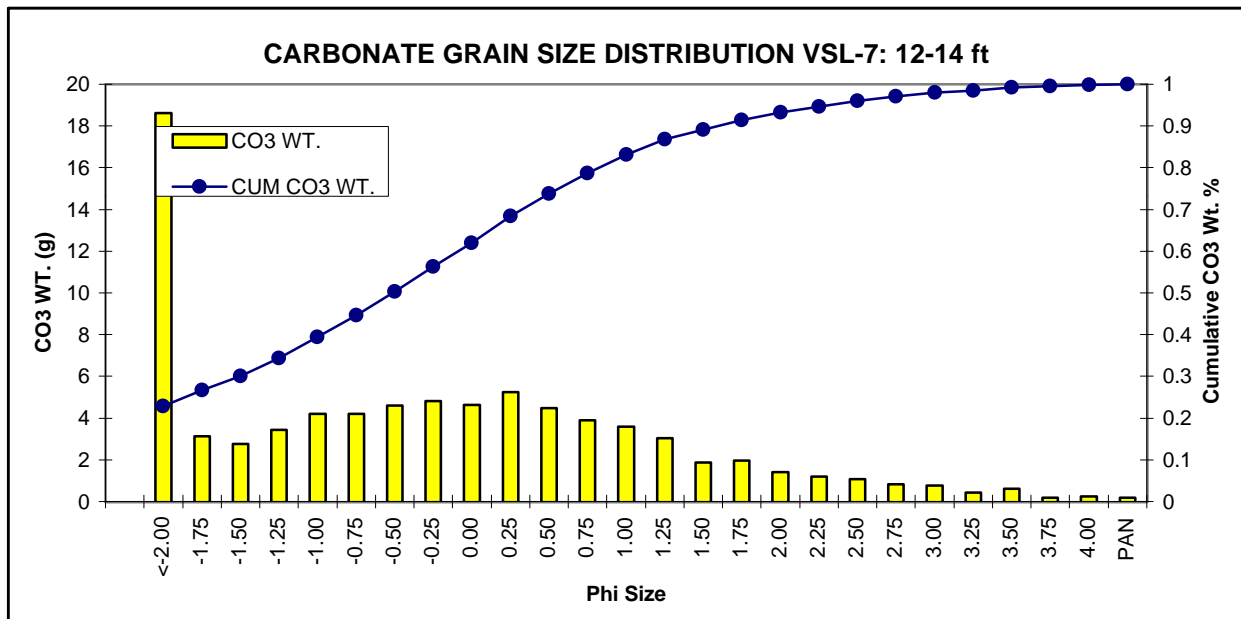


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-7 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	18.607	0.000	18.607	18.607	0.228649021	0.228649021
-1.75	3.117	0.000	3.117	21.724	0.038302735	0.266951756
-1.50	2.749	0.000	2.749	24.473	0.033780629	0.300732385
-1.25	3.449	0.000	3.449	27.922	0.042382462	0.343114847
-1.00	4.188	0.000	4.188	32.110	0.051463541	0.394578387
-0.75	4.199	0.000	4.199	36.309	0.051598712	0.446177099
-0.50	4.619	0.006	4.613	40.922	0.056686082	0.502863182
-0.25	4.852	0.024	4.828	45.750	0.059328074	0.562191256
0.00	4.657	0.028	4.629	50.379	0.056882696	0.619073951
0.25	5.328	0.092	5.236	55.615	0.064341714	0.683415665
0.50	4.670	0.189	4.481	60.096	0.055064022	0.738479687
0.75	4.178	0.268	3.910	64.006	0.048047384	0.786527071
1.00	3.985	0.393	3.592	67.598	0.044139694	0.830666765
1.25	3.384	0.362	3.022	70.620	0.037135344	0.867802109
1.50	2.339	0.480	1.859	72.479	0.022844012	0.890646121
1.75	2.699	0.744	1.955	74.434	0.024023692	0.914669812
2.00	1.964	0.546	1.418	75.852	0.017424857	0.932094669
2.25	1.573	0.368	1.205	77.057	0.014807442	0.946902111
2.50	1.313	0.233	1.080	78.137	0.013271400	0.960173511
2.75	1.006	0.179	0.827	78.964	0.010162452	0.970335963
3.00	1.059	0.298	0.761	79.725	0.009351422	0.979687385
3.25	0.760	0.327	0.433	80.158	0.005320848	0.985008233
3.50	1.387	0.768	0.619	80.777	0.007606478	0.992614712
3.75	1.734	1.563	0.171	80.948	0.002101305	0.994716017
4.00	1.442	1.186	0.256	81.204	0.003145813	0.997861830
PAN	0.643	0.469	0.174	81.378	0.002138170	1.0

<b>TOTAL WT.</b>	89.901	grams
<b>CO3 WT</b>	81.378	grams
<b>% CARBONATE</b>	90.520	

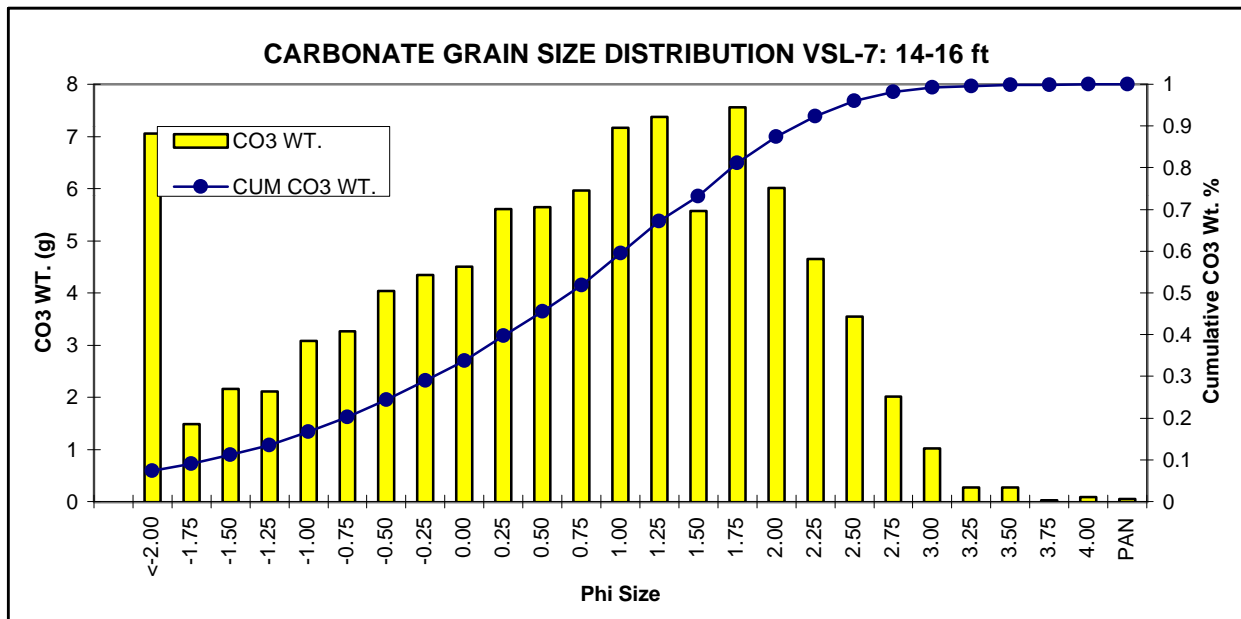


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-7 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	7.050	0.000	7.050	7.050	0.074339643	0.074339643
-1.75	1.479	0.000	1.479	8.529	0.015595508	0.089935151
-1.50	2.155	0.000	2.155	10.684	0.022723678	0.112658828
-1.25	2.113	0.000	2.113	12.797	0.022280804	0.134939632
-1.00	3.077	0.000	3.077	15.874	0.032445827	0.167385459
-0.75	3.258	0.000	3.258	19.132	0.034354405	0.201739864
-0.50	4.041	0.001	4.040	23.172	0.042600306	0.244340170
-0.25	4.359	0.016	4.343	27.515	0.045795329	0.290135498
0.00	4.517	0.011	4.506	32.021	0.047514103	0.337649602
0.25	5.677	0.069	5.608	37.629	0.059134286	0.396783888
0.50	5.793	0.150	5.643	43.272	0.059503348	0.456287236
0.75	6.327	0.366	5.961	49.233	0.062856540	0.519143776
1.00	7.937	0.773	7.164	56.397	0.075541730	0.594685506
1.25	8.811	1.438	7.373	63.770	0.077745558	0.672431064
1.50	7.506	1.934	5.572	69.342	0.058754679	0.731185744
1.75	10.681	3.119	7.562	76.904	0.079738493	0.810924237
2.00	8.009	1.992	6.017	82.921	0.063447040	0.874371276
2.25	5.868	1.220	4.648	87.569	0.049011441	0.923382717
2.50	4.215	0.668	3.547	91.116	0.037401803	0.960784520
2.75	2.341	0.325	2.016	93.132	0.021257974	0.982042495
3.00	1.292	0.278	1.014	94.146	0.010692255	0.992734750
3.25	0.521	0.253	0.268	94.414	0.002825961	0.995560711
3.50	0.626	0.357	0.269	94.683	0.002836506	0.998397216
3.75	0.655	0.636	0.019	94.702	0.000200348	0.998597564
4.00	0.657	0.567	0.090	94.792	0.000949017	0.999546581
PAN	0.325	0.282	0.043	94.835	0.000453419	1.0

<b>TOTAL WT.</b>	109.290	grams
<b>CO3 WT</b>	94.835	grams
<b>% CARBONATE</b>	86.774	

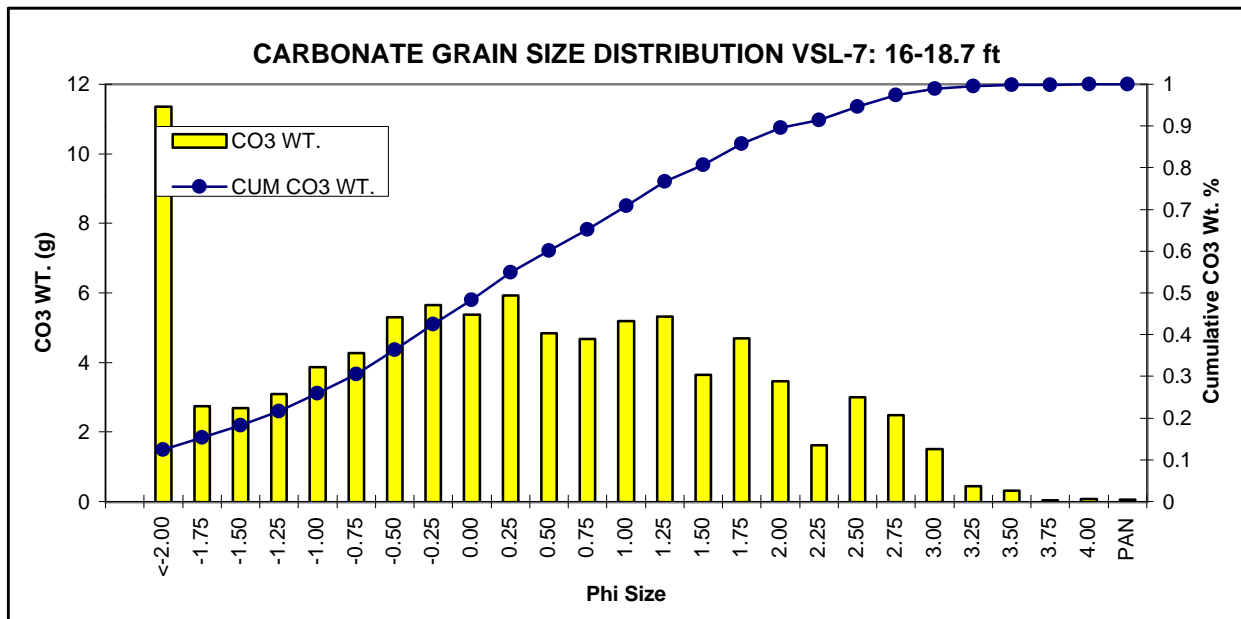


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-7 : 16-18.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	11.349	0.000	11.349	11.349	0.123887912	0.123887912
-1.75	2.749	0.000	2.749	14.098	0.030008624	0.153896536
-1.50	2.680	0.000	2.680	16.778	0.029255406	0.183151943
-1.25	3.089	0.000	3.089	19.867	0.033720131	0.216872073
-1.00	3.861	0.000	3.861	23.728	0.042147434	0.259019507
-0.75	4.270	0.002	4.268	27.996	0.046590326	0.305609833
-0.50	5.298	0.005	5.293	33.289	0.057779427	0.363389261
-0.25	5.651	0.006	5.645	38.934	0.061621928	0.425011189
0.00	5.446	0.073	5.373	44.307	0.058652723	0.483663912
0.25	6.068	0.139	5.929	50.236	0.064722128	0.548386040
0.50	5.046	0.208	4.838	55.074	0.052812558	0.601198598
0.75	5.018	0.335	4.683	59.757	0.051120548	0.652319146
1.00	5.842	0.647	5.195	64.952	0.056709640	0.709028786
1.25	6.260	0.948	5.312	70.264	0.057986835	0.767015621
1.50	4.909	1.257	3.652	73.916	0.039865949	0.806881570
1.75	6.503	1.814	4.689	78.605	0.051186045	0.858067615
2.00	4.784	1.330	3.454	82.059	0.037704542	0.895772157
2.25	2.343	0.724	1.619	83.678	0.017673322	0.913445479
2.50	3.844	0.837	3.007	86.685	0.032825002	0.946270482
2.75	3.023	0.546	2.477	89.162	0.027039418	0.973309900
3.00	1.923	0.406	1.517	90.679	0.016559870	0.989869770
3.25	0.728	0.288	0.440	91.119	0.004803126	0.994672896
3.50	0.663	0.344	0.319	91.438	0.003482267	0.998155163
3.75	0.410	0.369	0.041	91.479	0.000447564	0.998602727
4.00	0.427	0.351	0.076	91.555	0.000829631	0.999432358
PAN	0.277	0.225	0.052	91.607	0.000567642	1.0

<b>TOTAL WT.</b>	102.461	grams
<b>CO3 WT</b>	91.607	grams
<b>% CARBONATE</b>	89.407	

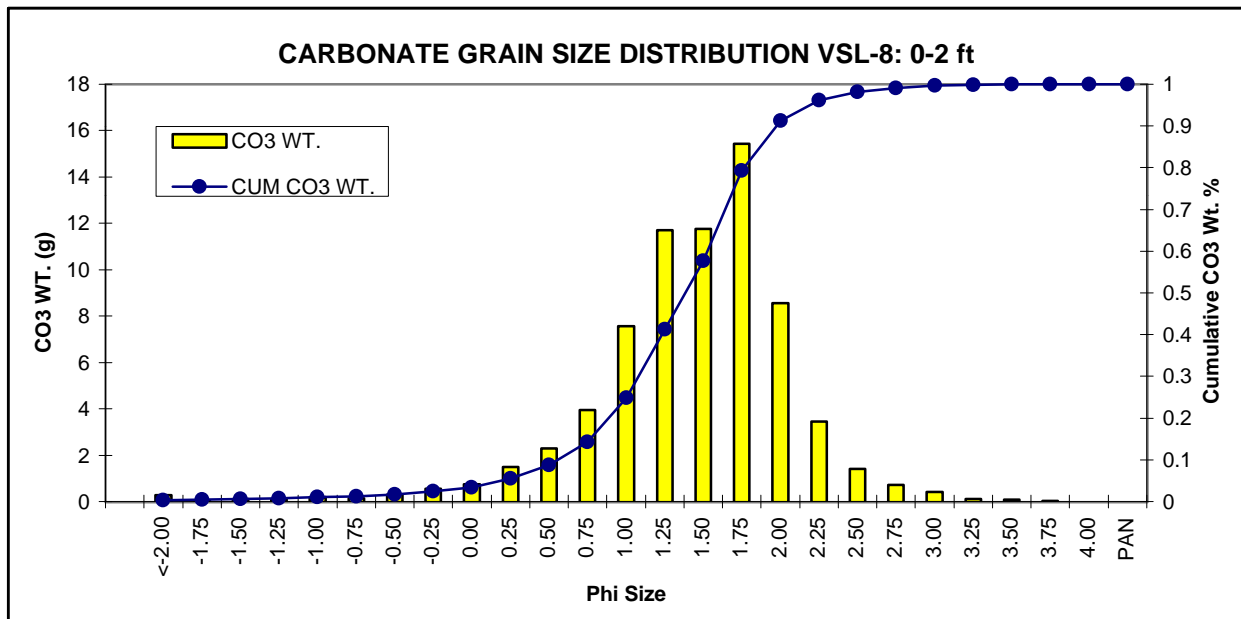


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-8 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.265	0.000	0.265	0.265	0.003714242	0.003714242
-1.75	0.058	0.000	0.058	0.323	0.000812928	0.004527170
-1.50	0.104	0.000	0.104	0.427	0.001457665	0.005984835
-1.25	0.101	0.000	0.101	0.528	0.001415617	0.007400451
-1.00	0.193	0.000	0.193	0.721	0.002705089	0.010105541
-0.75	0.139	0.000	0.139	0.860	0.001948225	0.012053765
-0.50	0.295	0.000	0.295	1.155	0.004134722	0.016188487
-0.25	0.542	0.000	0.542	1.697	0.007596675	0.023785163
0.00	0.737	0.003	0.734	2.431	0.010287749	0.034072911
0.25	1.479	0.000	1.479	3.910	0.020729673	0.054802585
0.50	2.295	0.000	2.295	6.205	0.032166734	0.086969319
0.75	3.980	0.033	3.947	10.152	0.055321177	0.142290496
1.00	7.681	0.129	7.552	17.704	0.105848879	0.248139375
1.25	12.320	0.612	11.708	29.412	0.164099402	0.412238777
1.50	13.949	2.197	11.752	41.164	0.164716106	0.576954882
1.75	21.681	6.256	15.425	56.589	0.216196897	0.793151779
2.00	12.081	3.528	8.553	65.142	0.119878902	0.913030681
2.25	4.426	0.983	3.443	68.585	0.048257110	0.961287791
2.50	1.771	0.376	1.395	69.980	0.019552329	0.980840119
2.75	0.938	0.227	0.711	70.691	0.009965380	0.990805500
3.00	0.629	0.214	0.415	71.106	0.005816643	0.996622142
3.25	0.319	0.203	0.116	71.222	0.001625857	0.998247999
3.50	0.358	0.266	0.092	71.314	0.001289473	0.999537472
3.75	0.195	0.175	0.020	71.334	0.000280320	0.999817792
4.00	0.114	0.111	0.003	71.337	0.000042048	0.999859840
PAN	0.069	0.059	0.010	71.347	0.000140160	1.0

<b>TOTAL WT.</b>	86.719	grams
<b>CO3 WT</b>	71.347	grams
<b>% CARBONATE</b>	82.274	

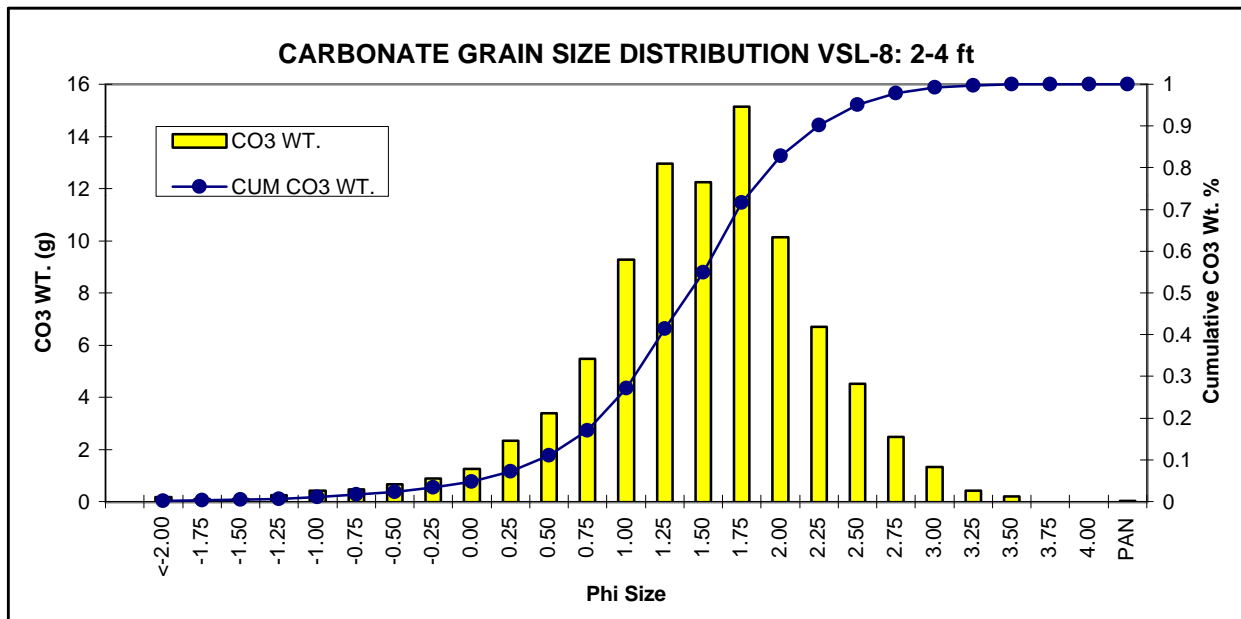


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-8 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.172	0.000	0.172	0.172	0.001892918	0.001892918
-1.75	0.096	0.000	0.096	0.268	0.001056512	0.002949430
-1.50	0.098	0.000	0.098	0.366	0.001078523	0.004027954
-1.25	0.248	0.000	0.248	0.614	0.002729324	0.006757277
-1.00	0.405	0.000	0.405	1.019	0.004457162	0.011214439
-0.75	0.471	0.000	0.471	1.490	0.005183514	0.016397953
-0.50	0.653	0.000	0.653	2.143	0.007186485	0.023584438
-0.25	0.878	0.000	0.878	3.021	0.009662686	0.033247125
0.00	1.257	0.000	1.257	4.278	0.013833709	0.047080834
0.25	2.322	0.000	2.322	6.600	0.025554394	0.072635228
0.50	3.385	0.005	3.380	9.980	0.037198041	0.109833269
0.75	5.516	0.044	5.472	15.452	0.060221207	0.170054476
1.00	9.455	0.180	9.275	24.727	0.102074506	0.272128983
1.25	13.591	0.627	12.964	37.691	0.142673197	0.414802179
1.50	14.128	1.887	12.241	49.932	0.134716337	0.549518516
1.75	19.693	4.546	15.147	65.079	0.166697848	0.716216365
2.00	13.337	3.208	10.129	75.208	0.111473064	0.827689429
2.25	8.500	1.812	6.688	81.896	0.073603698	0.901293127
2.50	5.467	0.949	4.518	86.414	0.049722115	0.951015242
2.75	3.085	0.600	2.485	88.899	0.027348264	0.978363506
3.00	1.859	0.536	1.323	90.222	0.014560062	0.992923568
3.25	0.729	0.324	0.405	90.627	0.004457162	0.997380730
3.50	0.496	0.302	0.194	90.821	0.002135035	0.999515765
3.75	0.232	0.220	0.012	90.833	0.000132064	0.999647829
4.00	0.145	0.136	0.009	90.842	0.000099048	0.999746877
PAN	0.077	0.054	0.023	90.865	0.000253123	1.0

<b>TOTAL WT.</b>	106.295	grams
<b>CO3 WT</b>	90.865	grams
<b>% CARBONATE</b>	85.484	

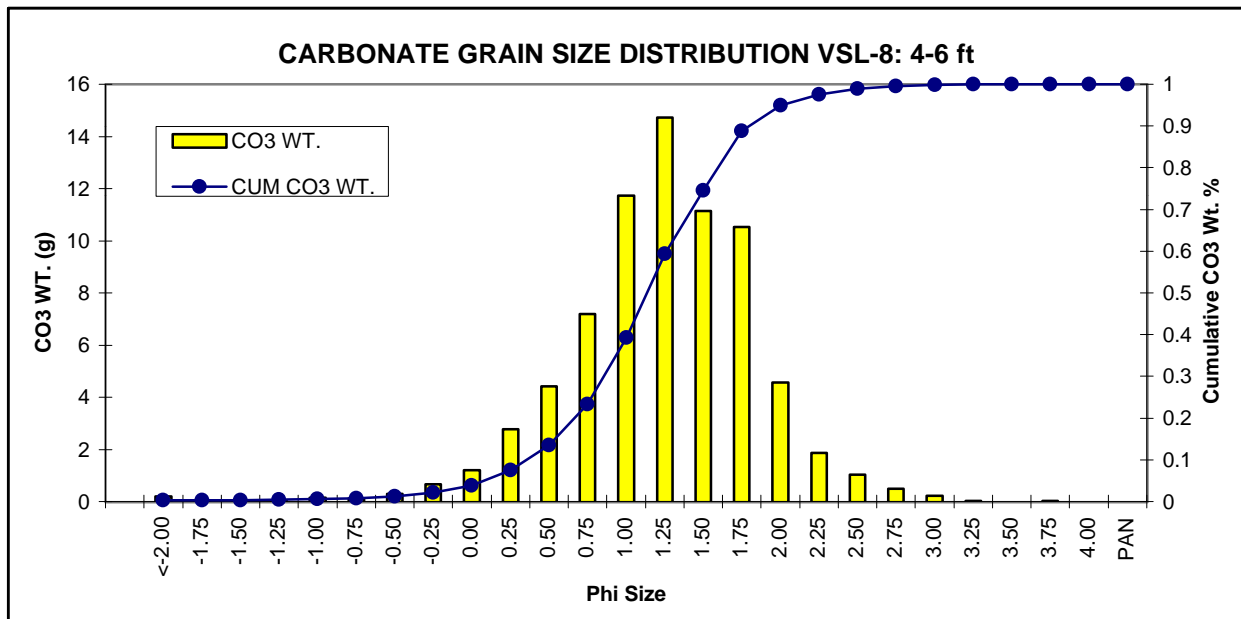


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-8 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.204	0.000	0.204	0.204	0.002775737	0.002775737
-1.75	0.027	0.000	0.027	0.231	0.000367377	0.003143114
-1.50	0.031	0.000	0.031	0.262	0.000421803	0.003564917
-1.25	0.055	0.000	0.055	0.317	0.000748360	0.004313277
-1.00	0.141	0.000	0.141	0.458	0.001918524	0.006231801
-0.75	0.116	0.000	0.116	0.574	0.001578360	0.007810161
-0.50	0.306	0.000	0.306	0.880	0.004163605	0.011973767
-0.25	0.673	0.000	0.673	1.553	0.009157210	0.021130977
0.00	1.215	0.001	1.214	2.767	0.016518355	0.037649332
0.25	2.763	0.000	2.763	5.530	0.037594906	0.075244238
0.50	4.413	0.000	4.413	9.943	0.060045718	0.135289956
0.75	7.246	0.064	7.182	17.125	0.097722263	0.233012219
1.00	12.000	0.258	11.742	28.867	0.159768144	0.392780363
1.25	15.713	0.987	14.726	43.593	0.200370098	0.593150461
1.50	13.358	2.207	11.151	54.744	0.151726672	0.744877133
1.75	14.683	4.162	10.521	65.265	0.143154543	0.888031676
2.00	6.264	1.704	4.560	69.825	0.062045881	0.950077557
2.25	2.480	0.611	1.869	71.694	0.025430647	0.975508205
2.50	1.316	0.296	1.020	72.714	0.013878684	0.989386889
2.75	0.656	0.161	0.495	73.209	0.006735244	0.996122132
3.00	0.365	0.143	0.222	73.431	0.003020655	0.999142787
3.25	0.148	0.122	0.026	73.457	0.000353770	0.999496558
3.50	0.137	0.132	0.005	73.462	0.000068033	0.999564590
3.75	0.064	0.050	0.014	73.476	0.000190492	0.999755082
4.00	0.041	0.035	0.006	73.482	0.000081639	0.999836721
PAN	0.026	0.014	0.012	73.494	0.000163279	1.0

<b>TOTAL WT.</b>	84.441	grams
<b>CO3 WT</b>	73.494	grams
<b>% CARBONATE</b>	87.036	

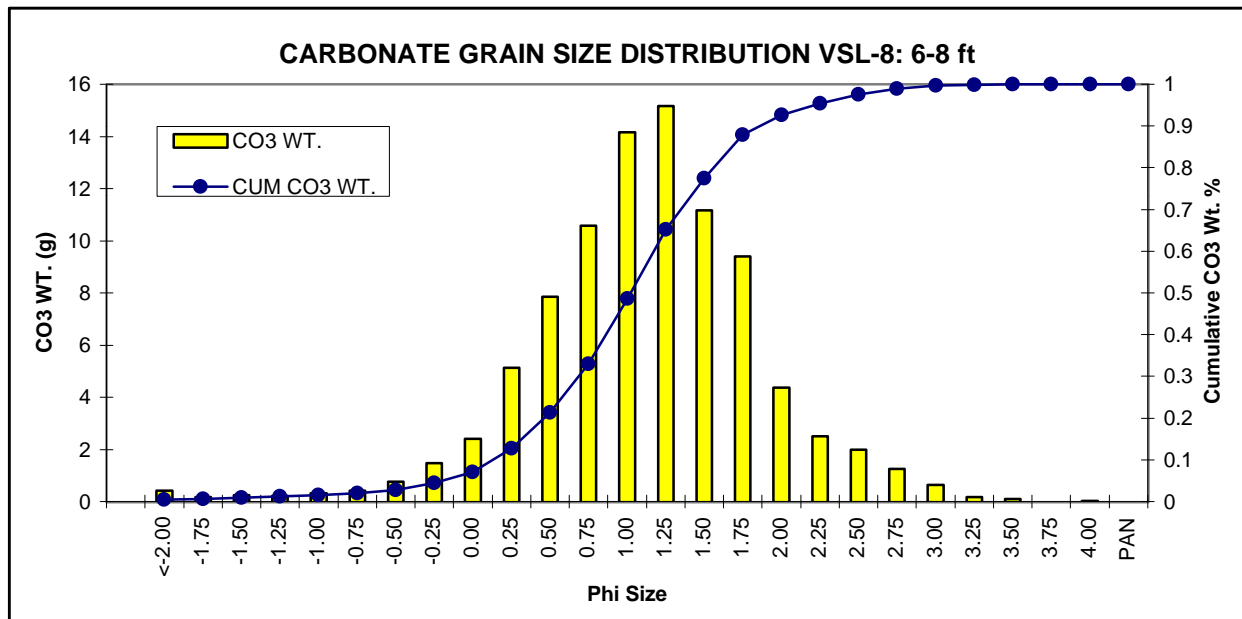


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-8 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.424	0.000	0.424	0.424	0.004662005	0.004662005
-1.75	0.174	0.000	0.174	0.598	0.001913181	0.006575186
-1.50	0.251	0.000	0.251	0.849	0.002759819	0.009335005
-1.25	0.218	0.000	0.218	1.067	0.002396974	0.011731979
-1.00	0.330	0.000	0.330	1.397	0.003628447	0.015360426
-0.75	0.421	0.000	0.421	1.818	0.004629019	0.019989445
-0.50	0.756	0.000	0.756	2.574	0.008312442	0.028301887
-0.25	1.471	0.000	1.471	4.045	0.016174077	0.044475964
0.00	2.411	0.000	2.411	6.456	0.026509654	0.070985618
0.25	5.121	0.002	5.119	11.575	0.056284910	0.127270528
0.50	7.877	0.020	7.857	19.432	0.086390025	0.213660553
0.75	10.661	0.081	10.580	30.012	0.116330211	0.329990764
1.00	14.432	0.270	14.162	44.174	0.155715354	0.485706118
1.25	15.847	0.689	15.158	59.332	0.166666667	0.652372784
1.50	12.741	1.587	11.154	70.486	0.122641509	0.775014294
1.75	12.371	2.982	9.389	79.875	0.103234815	0.878249109
2.00	5.906	1.548	4.358	84.233	0.047917491	0.926166601
2.25	3.266	0.759	2.507	86.740	0.027565202	0.953731803
2.50	2.475	0.476	1.999	88.739	0.021979593	0.975711396
2.75	1.544	0.299	1.245	89.984	0.013689141	0.989400537
3.00	0.880	0.232	0.648	90.632	0.007124951	0.996525487
3.25	0.361	0.183	0.178	90.810	0.001957162	0.998482649
3.50	0.290	0.187	0.103	90.913	0.001132515	0.999615165
3.75	0.158	0.150	0.008	90.921	0.000087962	0.999703127
4.00	0.087	0.066	0.021	90.942	0.000230901	0.999934028
PAN	0.020	0.014	0.006	90.948	0.000065972	1.0

**TOTAL WT.** 100.493 grams  
**CO3 WT** 90.948 grams  
**% CARBONATE** 90.502

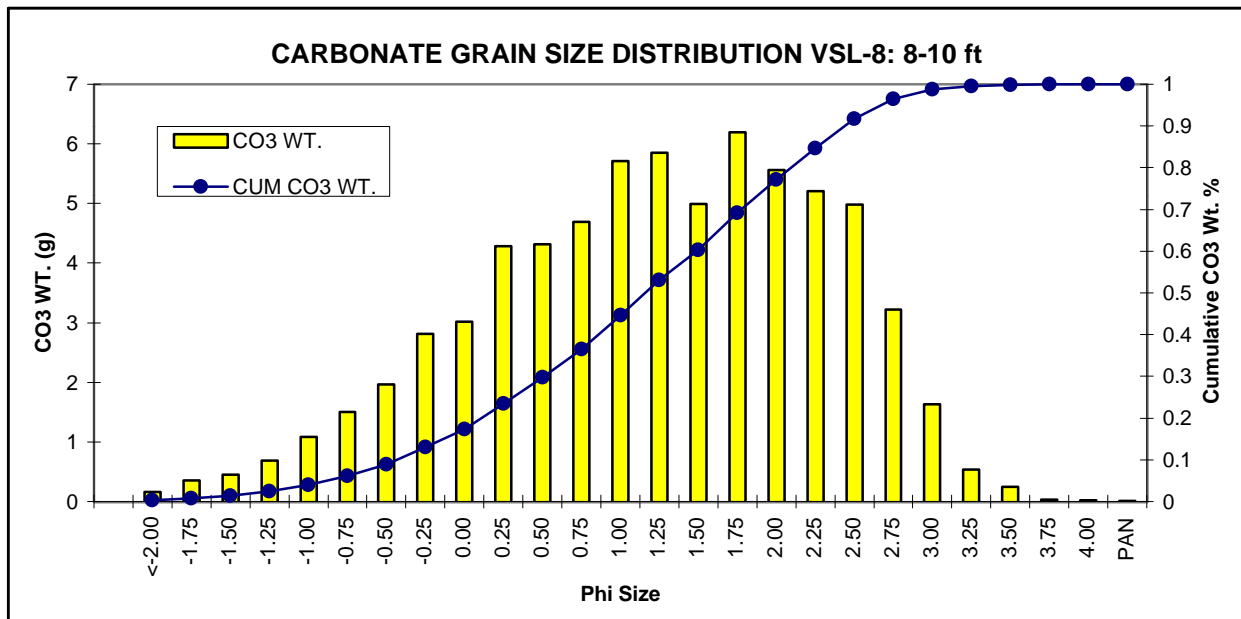


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-8 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.165	0.000	0.165	0.165	0.002372258	0.002372258
-1.75	0.352	0.000	0.352	0.517	0.005060816	0.007433074
-1.50	0.454	0.000	0.454	0.971	0.006527303	0.013960376
-1.25	0.690	0.000	0.690	1.661	0.009920350	0.023880726
-1.00	1.089	0.000	1.089	2.750	0.015656900	0.039537625
-0.75	1.508	0.000	1.508	4.258	0.021680996	0.061218622
-0.50	1.963	0.000	1.963	6.221	0.028222676	0.089441297
-0.25	2.818	0.000	2.818	9.039	0.040515283	0.129956580
0.00	3.017	0.000	3.017	12.056	0.043376369	0.173332950
0.25	4.285	0.000	4.285	16.341	0.061606809	0.234939759
0.50	4.320	0.004	4.316	20.657	0.062052506	0.296992265
0.75	4.711	0.019	4.692	25.349	0.067458378	0.364450643
1.00	5.807	0.097	5.710	31.059	0.082094488	0.446545130
1.25	6.381	0.526	5.855	36.914	0.084179199	0.530724329
1.50	6.750	1.761	4.989	41.903	0.071728441	0.602452771
1.75	11.235	5.045	6.190	48.093	0.088995601	0.691448371
2.00	10.419	4.853	5.566	53.659	0.080024154	0.771472525
2.25	8.485	3.283	5.202	58.861	0.074790810	0.846263335
2.50	6.678	1.701	4.977	63.838	0.071555913	0.917819248
2.75	4.048	0.824	3.224	67.062	0.046352474	0.964171723
3.00	2.256	0.620	1.636	68.698	0.023521293	0.987693015
3.25	0.926	0.387	0.539	69.237	0.007749375	0.995442390
3.50	0.535	0.285	0.250	69.487	0.003594330	0.999036720
3.75	0.324	0.287	0.037	69.524	0.000531961	0.999568680
4.00	0.198	0.175	0.023	69.547	0.000330678	0.999899359
PAN	0.091	0.084	0.007	69.554	0.000100641	1.0

<b>TOTAL WT.</b>	89.505	grams
<b>CO3 WT</b>	69.554	grams
<b>% CARBONATE</b>	77.710	





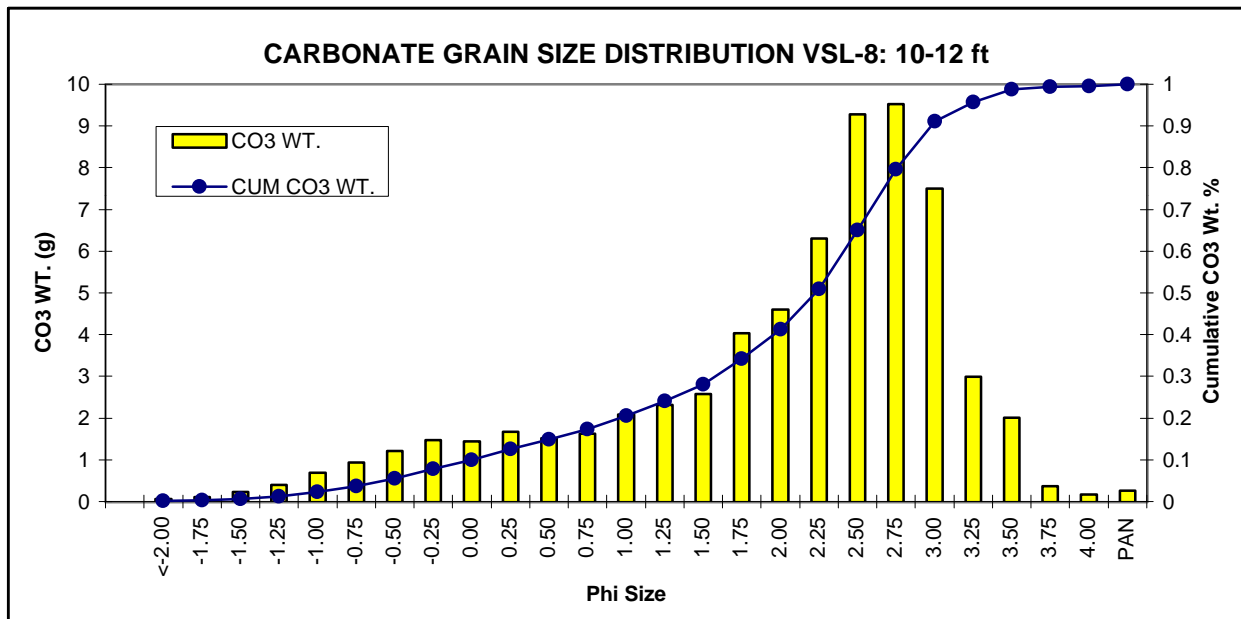
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-8 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.060	0.000	0.060	0.060	0.000917894	0.000917894
-1.75	0.101	0.000	0.101	0.161	0.001545122	0.002463017
-1.50	0.235	0.000	0.235	0.396	0.003595086	0.006058103
-1.25	0.396	0.000	0.396	0.792	0.006058103	0.012116205
-1.00	0.689	0.000	0.689	1.481	0.010540487	0.022656692
-0.75	0.928	0.000	0.928	2.409	0.014196766	0.036853458
-0.50	1.204	0.000	1.204	3.613	0.018419080	0.055272538
-0.25	1.472	0.000	1.472	5.085	0.022519008	0.077791546
0.00	1.443	0.000	1.443	6.528	0.022075359	0.099866905
0.25	1.678	0.001	1.677	8.205	0.025655147	0.125522052
0.50	1.524	0.008	1.516	9.721	0.023192131	0.148714183
0.75	1.652	0.026	1.626	11.347	0.024874937	0.173589120
1.00	2.116	0.028	2.088	13.435	0.031942723	0.205531843
1.25	2.354	0.035	2.319	15.754	0.035476617	0.241008460
1.50	2.682	0.106	2.576	18.330	0.039408264	0.280416724
1.75	4.460	0.431	4.029	22.359	0.061636606	0.342053330
2.00	5.416	0.812	4.604	26.963	0.070433093	0.412486423
2.25	7.388	1.082	6.306	33.269	0.096470696	0.508957119
2.50	10.574	1.293	9.281	42.550	0.141982958	0.650940077
2.75	11.214	1.697	9.517	52.067	0.145593342	0.796533419
3.00	10.300	2.806	7.494	59.561	0.114645004	0.911178423
3.25	5.221	2.237	2.984	62.545	0.045649946	0.956828369
3.50	3.401	1.386	2.015	64.560	0.030825952	0.987654321
3.75	1.469	1.099	0.370	64.930	0.005660348	0.993314669
4.00	1.299	1.129	0.170	65.100	0.002600701	0.995915370
PAN	0.830	0.563	0.267	65.367	0.004084630	1.0

**TOTAL WT.**  
**CO3 WT**  
**% CARBONATE**

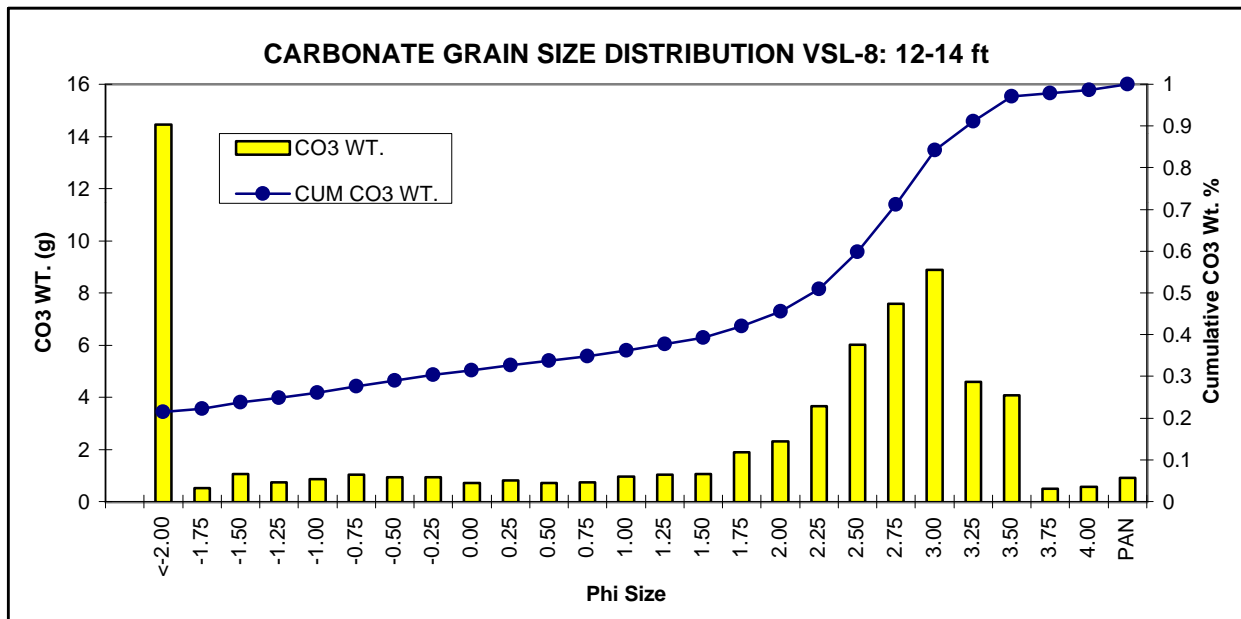
80.106      grams  
65.367      grams  
81.601



# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-8 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	14.461	0.000	14.461	14.461	0.214284656	0.214284656
-1.75	0.504	0.000	0.504	14.965	0.007468326	0.221752982
-1.50	1.055	0.000	1.055	16.020	0.015633104	0.237386086
-1.25	0.732	0.000	0.732	16.752	0.010846855	0.248232941
-1.00	0.862	0.000	0.862	17.614	0.012773209	0.261006150
-0.75	1.021	0.000	1.021	18.635	0.015129288	0.276135438
-0.50	0.933	0.000	0.933	19.568	0.013825295	0.289960732
-0.25	0.923	0.000	0.923	20.491	0.013677113	0.303637845
0.00	0.701	0.000	0.701	21.192	0.010387494	0.314025339
0.25	0.811	0.001	0.810	22.002	0.012002667	0.326028006
0.50	0.726	0.007	0.719	22.721	0.010654219	0.336682226
0.75	0.738	0.008	0.730	23.451	0.010817219	0.347499444
1.00	0.978	0.017	0.961	24.412	0.014240202	0.361739646
1.25	1.057	0.025	1.032	25.444	0.015292287	0.377031933
1.50	1.152	0.088	1.064	26.508	0.015766467	0.392798400
1.75	2.374	0.477	1.897	28.405	0.028109950	0.420908350
2.00	3.248	0.945	2.303	30.708	0.034126102	0.455034452
2.25	4.897	1.233	3.664	34.372	0.054293547	0.509327999
2.50	7.193	1.184	6.009	40.381	0.089042009	0.598370008
2.75	9.111	1.517	7.594	47.975	0.112528710	0.710898718
3.00	13.017	4.134	8.883	56.858	0.131629251	0.842527969
3.25	10.132	5.555	4.577	61.435	0.067822479	0.910350448
3.50	8.037	3.965	4.072	65.507	0.060339335	0.970689783
3.75	3.568	3.065	0.503	66.010	0.007453508	0.978143291
4.00	3.793	3.227	0.566	66.576	0.008387049	0.986530340
PAN	3.526	2.617	0.909	67.485	0.013469660	1.0
<b>TOTAL WT.</b>				95.550	grams	
<b>CO3 WT</b>				67.485	grams	
<b>% CARBONATE</b>				70.628		

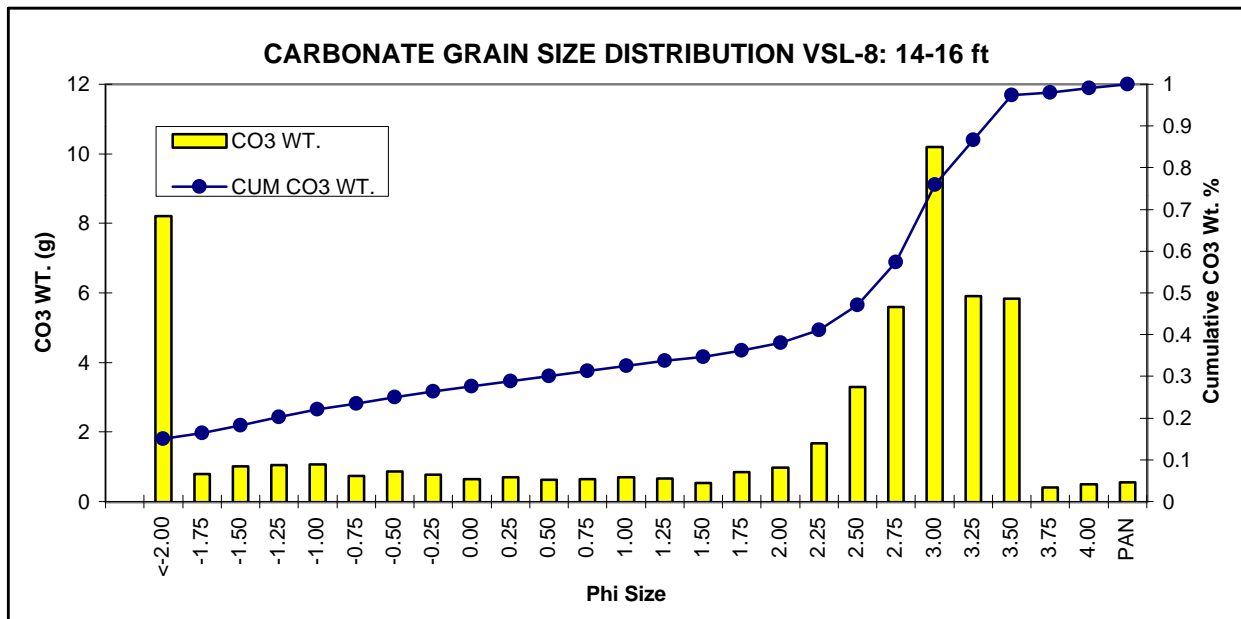


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-8 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	8.206	0.000	8.206	8.206	0.149673513	0.149673513
-1.75	0.793	0.000	0.793	8.999	0.014463940	0.164137453
-1.50	1.017	0.000	1.017	10.016	0.018549593	0.182687046
-1.25	1.055	0.000	1.055	11.071	0.019242695	0.201929741
-1.00	1.063	0.000	1.063	12.134	0.019388611	0.221318353
-0.75	0.733	0.000	0.733	12.867	0.013369569	0.234687922
-0.50	0.857	0.000	0.857	13.724	0.015631270	0.250319192
-0.25	0.767	0.000	0.767	14.491	0.013989713	0.264308905
0.00	0.650	0.001	0.649	15.140	0.011837449	0.276146354
0.25	0.701	0.000	0.701	15.841	0.012785904	0.288932258
0.50	0.648	0.014	0.634	16.475	0.011563857	0.300496115
0.75	0.664	0.018	0.646	17.121	0.011782731	0.312278846
1.00	0.731	0.027	0.704	17.825	0.012840623	0.325119469
1.25	0.690	0.020	0.670	18.495	0.012220479	0.337339948
1.50	0.576	0.034	0.542	19.037	0.009885821	0.347225769
1.75	0.923	0.081	0.842	19.879	0.015357677	0.362583446
2.00	1.102	0.122	0.980	20.859	0.017874731	0.380458177
2.25	1.831	0.159	1.672	22.531	0.030496480	0.410954657
2.50	3.606	0.307	3.299	25.830	0.060172181	0.471126838
2.75	6.485	0.889	5.596	31.426	0.102068362	0.573195199
3.00	14.324	4.129	10.195	41.621	0.185951921	0.759147120
3.25	13.398	7.484	5.914	47.535	0.107868530	0.867015650
3.50	12.246	6.420	5.826	53.361	0.106263452	0.973279101
3.75	4.975	4.562	0.413	53.774	0.007532922	0.980812023
4.00	4.094	3.588	0.506	54.280	0.009229198	0.990041221
PAN	2.475	1.929	0.546	54.826	0.009958779	1.0

<b>TOTAL WT.</b>	84.610	grams
<b>CO3 WT</b>	54.826	grams
<b>% CARBONATE</b>	64.798	

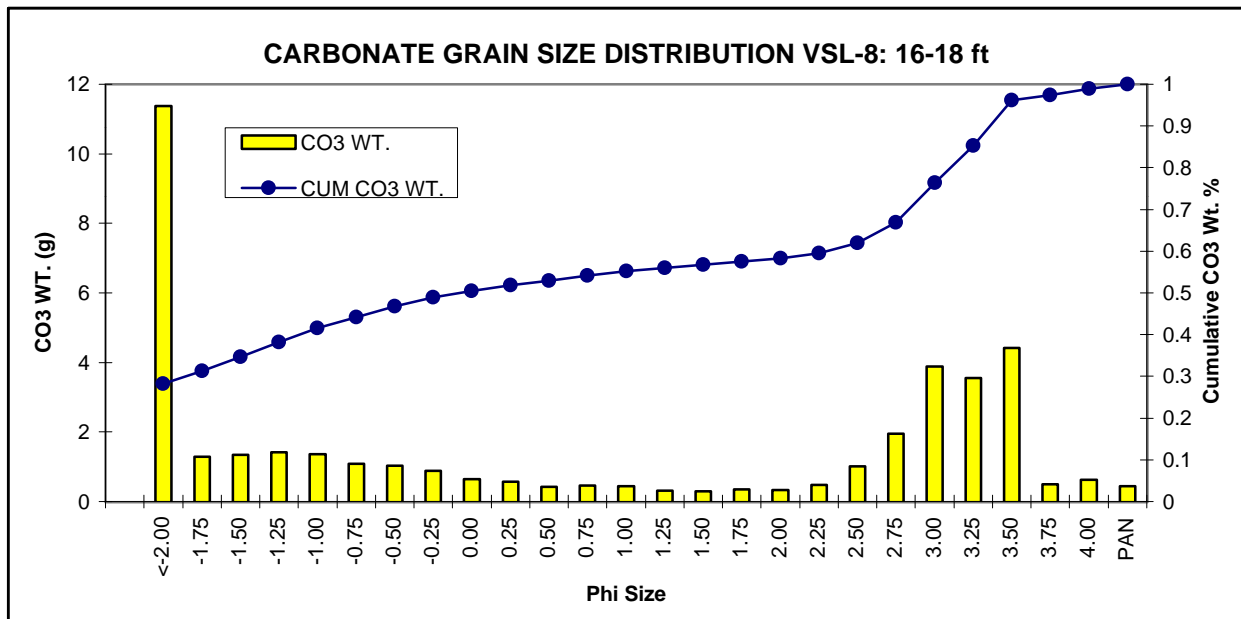


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-8 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	11.381	0.000	11.381	11.381	0.281561565	0.281561565
-1.75	1.286	0.000	1.286	12.667	0.031815146	0.313376710
-1.50	1.350	0.000	1.350	14.017	0.033398481	0.346775191
-1.25	1.410	0.000	1.410	15.427	0.034882858	0.381658049
-1.00	1.366	0.000	1.366	16.793	0.033794315	0.415452364
-0.75	1.077	0.000	1.077	17.870	0.026644566	0.442096930
-0.50	1.025	0.000	1.025	18.895	0.025358106	0.467455036
-0.25	0.876	0.000	0.876	19.771	0.021671903	0.489126939
0.00	0.635	0.000	0.635	20.406	0.015709656	0.504836595
0.25	0.567	0.001	0.566	20.972	0.014002622	0.518839217
0.50	0.439	0.008	0.431	21.403	0.010662774	0.529501992
0.75	0.469	0.007	0.462	21.865	0.011429702	0.540931694
1.00	0.459	0.020	0.439	22.304	0.010860691	0.551792385
1.25	0.335	0.014	0.321	22.625	0.007941417	0.559733802
1.50	0.304	0.018	0.286	22.911	0.007075530	0.566809332
1.75	0.378	0.034	0.344	23.255	0.008510428	0.575319760
2.00	0.372	0.049	0.323	23.578	0.007990896	0.583310655
2.25	0.540	0.062	0.478	24.056	0.011825536	0.595136192
2.50	1.109	0.101	1.008	25.064	0.024937532	0.620073724
2.75	2.280	0.336	1.944	27.008	0.048093813	0.668167537
3.00	5.823	1.934	3.889	30.897	0.096212365	0.764379902
3.25	7.560	4.017	3.543	34.440	0.087652458	0.852032359
3.50	8.628	4.211	4.417	38.857	0.109274882	0.961307241
3.75	4.332	3.835	0.497	39.354	0.012295589	0.973602830
4.00	4.145	3.511	0.634	39.988	0.015684916	0.989287746
PAN	2.045	1.612	0.433	40.421	0.010712254	1.0

<b>TOTAL WT.</b>	60.191	grams
<b>CO3 WT</b>	40.421	grams
<b>% CARBONATE</b>	67.155	

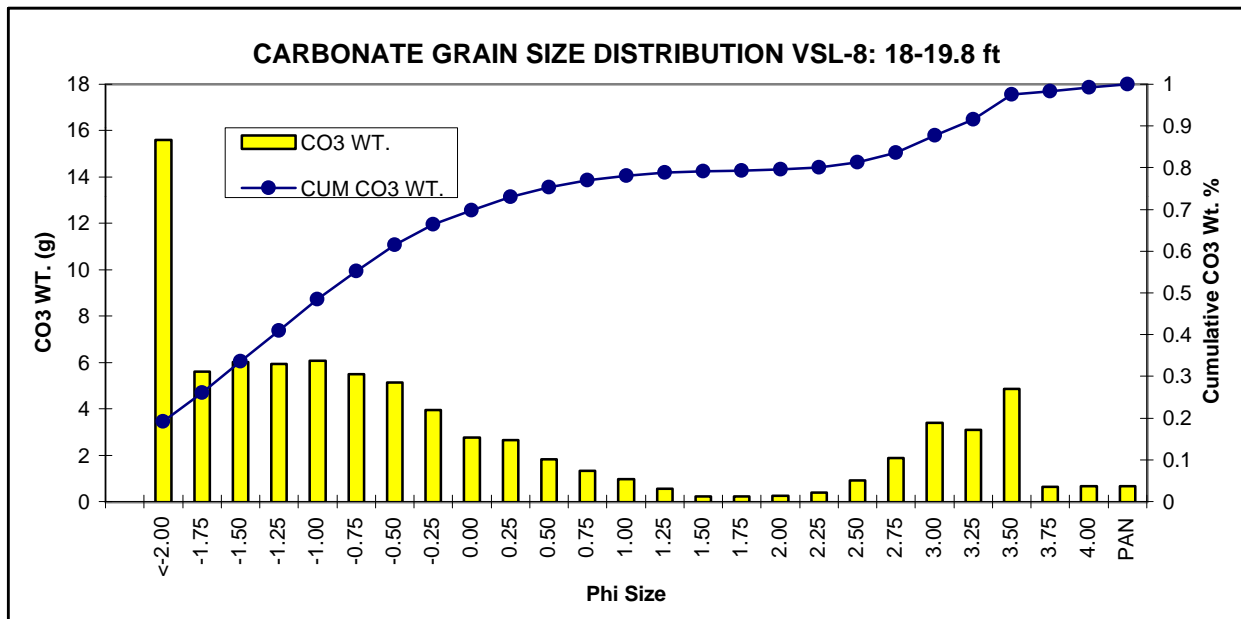


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-8 : 18-19.8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	15.587	0.000	15.587	15.587	0.192211412	0.192211412
-1.75	5.605	0.000	5.605	21.192	0.069118173	0.261329585
-1.50	6.025	0.000	6.025	27.217	0.074297412	0.335626996
-1.25	5.947	0.000	5.947	33.164	0.073335553	0.408962549
-1.00	6.078	0.000	6.078	39.242	0.074950982	0.483913531
-0.75	5.488	0.000	5.488	44.730	0.067675385	0.551588916
-0.50	5.146	0.000	5.146	49.876	0.063458005	0.615046921
-0.25	3.939	0.000	3.939	53.815	0.048573860	0.663620781
0.00	2.754	0.000	2.754	56.569	0.033961008	0.697581789
0.25	2.666	0.002	2.664	59.233	0.032851171	0.730432960
0.50	1.908	0.082	1.826	61.059	0.022517357	0.752950316
0.75	1.490	0.163	1.327	62.386	0.016363928	0.769314244
1.00	1.174	0.200	0.974	63.360	0.012010901	0.781325145
1.25	0.606	0.062	0.544	63.904	0.006708347	0.788033492
1.50	0.251	0.034	0.217	64.121	0.002675940	0.790709432
1.75	0.249	0.036	0.213	64.334	0.002626614	0.793336046
2.00	0.271	0.030	0.241	64.575	0.002971896	0.796307943
2.25	0.424	0.025	0.399	64.974	0.004920277	0.801228219
2.50	0.958	0.042	0.916	65.890	0.011295673	0.812523892
2.75	2.115	0.232	1.883	67.773	0.023220253	0.835744146
3.00	5.218	1.812	3.406	71.179	0.042001159	0.877745305
3.25	7.226	4.133	3.093	74.272	0.038141393	0.915886698
3.50	9.506	4.634	4.872	79.144	0.060079168	0.975965866
3.75	4.974	4.342	0.632	79.776	0.007793521	0.983759387
4.00	4.772	4.114	0.658	80.434	0.008114141	0.991873528
PAN	2.998	2.339	0.659	81.093	0.008126472	1.0

<b>TOTAL WT.</b>	103.375	grams
<b>CO3 WT</b>	81.093	grams
<b>% CARBONATE</b>	78.445	

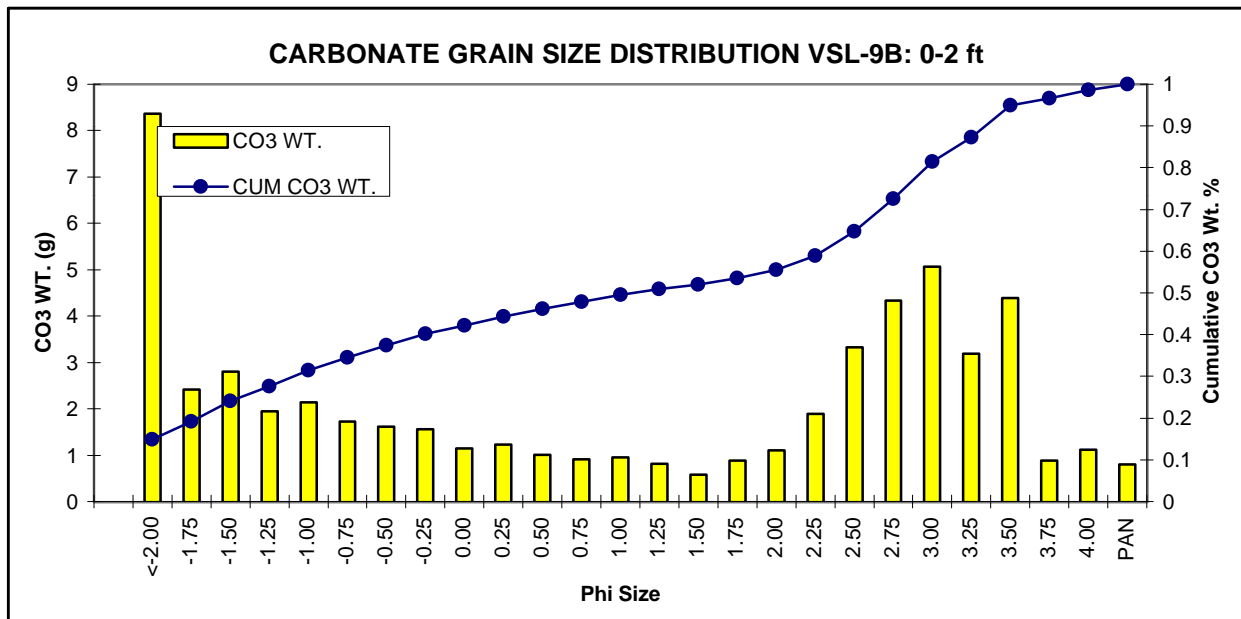


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-9B : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	8.359	0.000	8.359	8.359	0.148771068	0.148771068
-1.75	2.414	0.000	2.414	10.773	0.042963675	0.191734743
-1.50	2.798	0.000	2.798	13.571	0.049797996	0.241532739
-1.25	1.941	0.000	1.941	15.512	0.034545357	0.276078096
-1.00	2.139	0.000	2.139	17.651	0.038069304	0.314147401
-0.75	1.732	0.000	1.732	19.383	0.030825636	0.344973036
-0.50	1.609	0.000	1.609	20.992	0.028636517	0.373609554
-0.25	1.564	0.000	1.564	22.556	0.027835620	0.401445174
0.00	1.151	0.000	1.151	23.707	0.020485166	0.421930340
0.25	1.232	0.000	1.232	24.939	0.021926780	0.443857120
0.50	1.024	0.022	1.002	25.941	0.017833307	0.461690427
0.75	0.938	0.025	0.913	26.854	0.016249310	0.477939737
1.00	0.994	0.035	0.959	27.813	0.017068005	0.495007742
1.25	0.835	0.027	0.808	28.621	0.014380551	0.509388293
1.50	0.612	0.038	0.574	29.195	0.010215886	0.519604179
1.75	0.948	0.062	0.886	30.081	0.015768772	0.535372951
2.00	1.175	0.074	1.101	31.182	0.019595280	0.554968231
2.25	2.045	0.160	1.885	33.067	0.033548686	0.588516917
2.50	3.724	0.396	3.328	36.395	0.059230783	0.647747700
2.75	5.115	0.775	4.340	40.735	0.077242067	0.724989766
3.00	6.839	1.772	5.067	45.802	0.090181003	0.815170769
3.25	5.786	2.594	3.192	48.994	0.056810294	0.871981063
3.50	8.629	4.237	4.392	53.386	0.078167548	0.950148611
3.75	7.383	6.495	0.888	54.274	0.015804368	0.965952978
4.00	6.398	5.286	1.112	55.386	0.019791055	0.985744033
PAN	3.066	2.265	0.801	56.187	0.014255967	1.0

<b>TOTAL WT.</b>	80.450	grams
<b>CO3 WT</b>	56.187	grams
<b>% CARBONATE</b>	69.841	

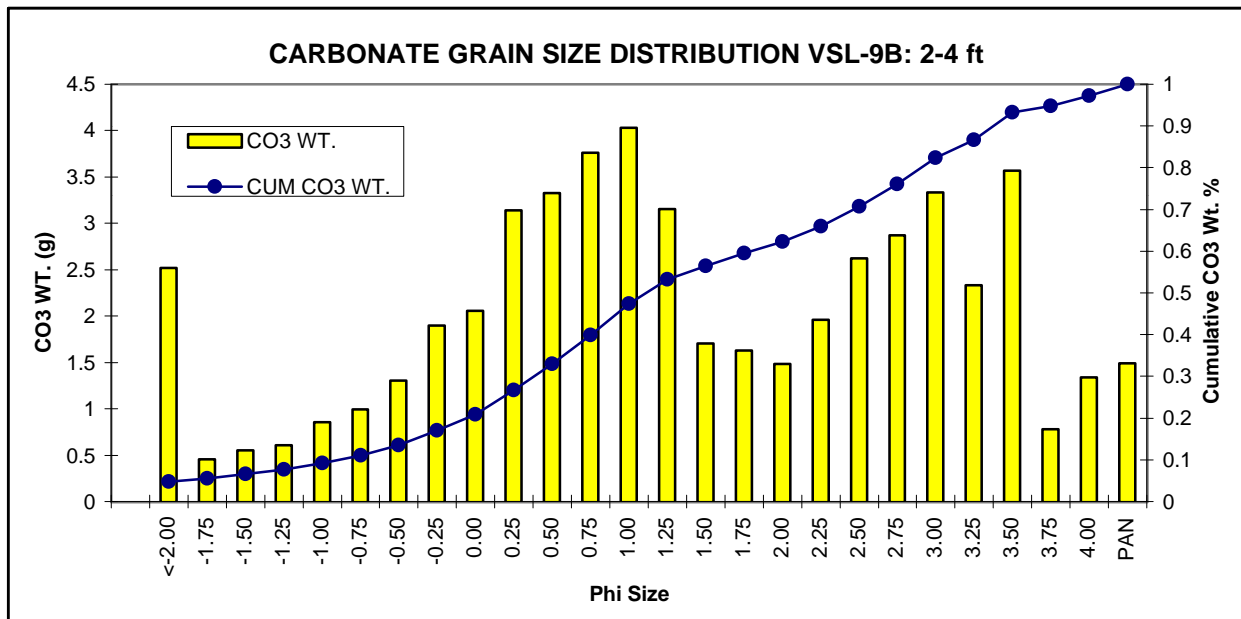


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-9B : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.520	0.000	2.520	2.520	0.046872384	0.046872384
-1.75	0.453	0.000	0.453	2.973	0.008425869	0.055298253
-1.50	0.551	0.000	0.551	3.524	0.010248684	0.065546937
-1.25	0.605	0.000	0.605	4.129	0.011253092	0.076800030
-1.00	0.853	0.000	0.853	4.982	0.015865930	0.092665960
-0.75	0.994	0.000	0.994	5.976	0.018488552	0.111154511
-0.50	1.304	0.000	1.304	7.280	0.024254599	0.135409110
-0.25	1.898	0.000	1.898	9.178	0.035303089	0.170712200
0.00	2.065	0.010	2.055	11.233	0.038223313	0.208935513
0.25	3.162	0.024	3.138	14.371	0.058367279	0.267302792
0.50	3.414	0.088	3.326	17.697	0.061864107	0.329166899
0.75	4.086	0.323	3.763	21.460	0.069992374	0.399159273
1.00	4.927	0.894	4.033	25.493	0.075014415	0.474173688
1.25	4.082	0.926	3.156	28.649	0.058702081	0.532875770
1.50	2.807	1.105	1.702	30.351	0.031657460	0.564533229
1.75	3.627	2.000	1.627	31.978	0.030262448	0.594795677
2.00	3.362	1.879	1.483	33.461	0.027584026	0.622379704
2.25	3.781	1.822	1.959	35.420	0.036437699	0.658817402
2.50	4.184	1.560	2.624	38.044	0.048806800	0.707624203
2.75	4.100	1.230	2.870	40.914	0.053382438	0.761006640
3.00	5.297	1.962	3.335	44.249	0.062031509	0.823038149
3.25	5.502	3.169	2.333	46.582	0.043394156	0.866432305
3.50	7.196	3.625	3.571	50.153	0.066421145	0.932853449
3.75	3.424	2.642	0.782	50.935	0.014545319	0.947398769
4.00	4.483	3.147	1.336	52.271	0.024849804	0.972248572
PAN	3.889	2.397	1.492	53.763	0.027751428	1.0

<b>TOTAL WT.</b>	82.566	grams
<b>CO3 WT</b>	53.763	grams
<b>% CARBONATE</b>	65.115	

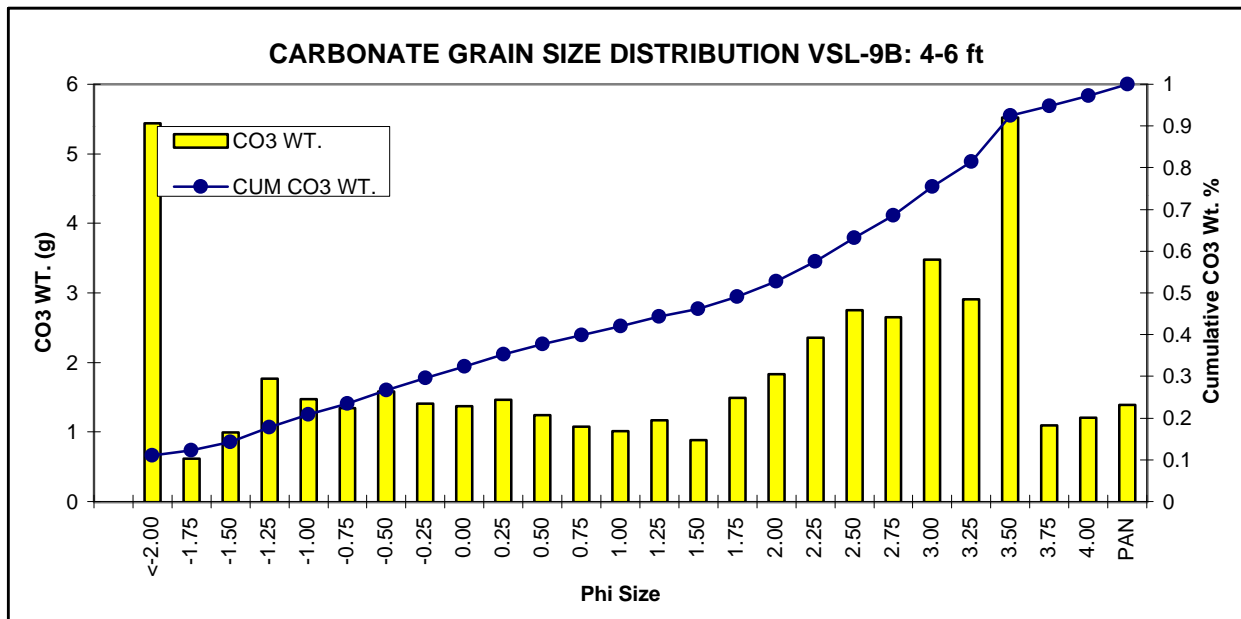


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-9B : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	5.442	0.000	5.442	5.442	0.109875023	0.109875023
-1.75	0.614	0.000	0.614	6.056	0.012396778	0.122271800
-1.50	0.993	0.000	0.993	7.049	0.020048860	0.142320661
-1.25	1.770	0.000	1.770	8.819	0.035736639	0.178057300
-1.00	1.476	0.000	1.476	10.295	0.029800723	0.207858023
-0.75	1.347	0.000	1.347	11.642	0.027196188	0.235054211
-0.50	1.587	0.004	1.583	13.225	0.031961073	0.267015284
-0.25	1.414	0.005	1.409	14.634	0.028447980	0.295463264
0.00	1.377	0.010	1.367	16.001	0.027599992	0.323063256
0.25	1.498	0.039	1.459	17.460	0.029457490	0.352520745
0.50	1.309	0.063	1.246	18.706	0.025156979	0.377677724
0.75	1.183	0.109	1.074	19.780	0.021684266	0.399361990
1.00	1.207	0.193	1.014	20.794	0.020472854	0.419834844
1.25	1.319	0.152	1.167	21.961	0.023561954	0.443396798
1.50	1.415	0.533	0.882	22.843	0.017807749	0.461204547
1.75	3.461	1.973	1.488	24.331	0.030043005	0.491247552
2.00	4.763	2.935	1.828	26.159	0.036907670	0.528155222
2.25	5.163	2.803	2.360	28.519	0.047648852	0.575804074
2.50	4.124	1.370	2.754	31.273	0.055603788	0.631407862
2.75	3.352	0.698	2.654	33.927	0.053584769	0.684992631
3.00	4.866	1.383	3.483	37.410	0.070322437	0.755315068
3.25	6.200	3.293	2.907	40.317	0.058692887	0.814007955
3.50	11.117	5.598	5.519	45.836	0.111429667	0.925437622
3.75	4.860	3.761	1.099	46.935	0.022189021	0.947626643
4.00	4.176	2.969	1.207	48.142	0.024369561	0.971996204
PAN	4.274	2.887	1.387	49.529	0.028003796	1.0

<b>TOTAL WT.</b>	80.307	grams
<b>CO3 WT</b>	49.529	grams
<b>% CARBONATE</b>	61.675	



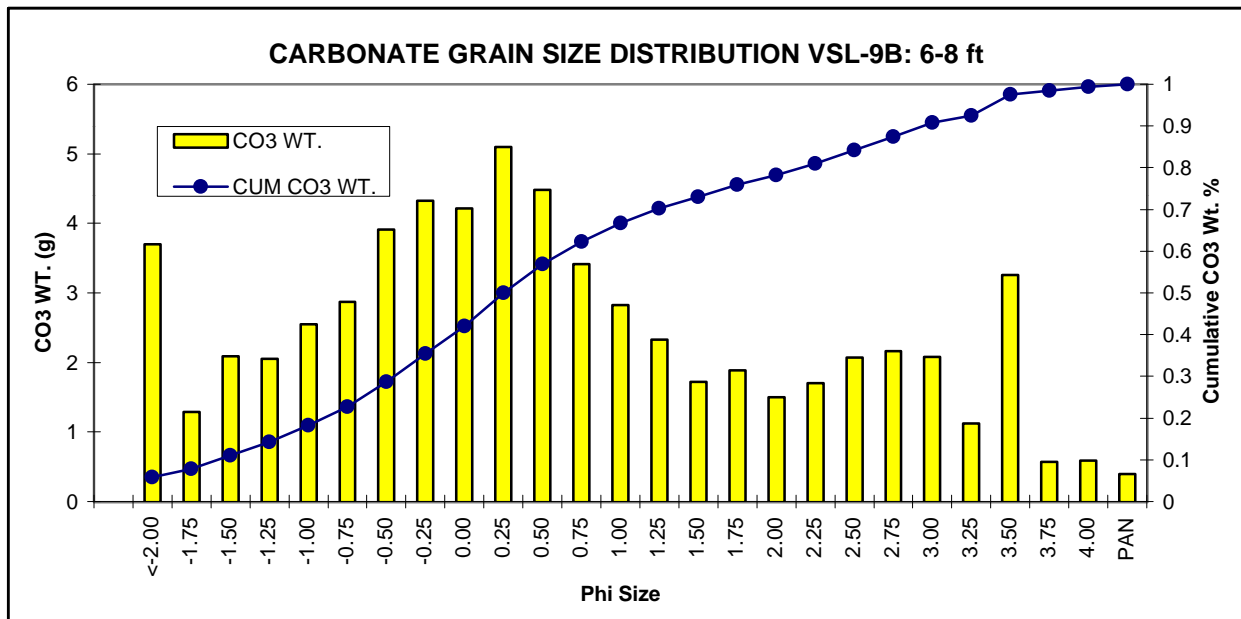


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-9B : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	3.696	0.000	3.696	3.696	0.057562921	0.057562921
-1.75	1.288	0.000	1.288	4.984	0.020059806	0.077622726
-1.50	2.087	0.000	2.087	7.071	0.032503738	0.110126464
-1.25	2.053	0.000	2.053	9.124	0.031974209	0.142100673
-1.00	2.548	0.000	2.548	11.672	0.039683529	0.181784201
-0.75	2.871	0.000	2.871	14.543	0.044714054	0.226498256
-0.50	3.914	0.006	3.908	18.451	0.060864690	0.287362945
-0.25	4.372	0.048	4.324	22.775	0.067343633	0.354706579
0.00	4.329	0.116	4.213	26.988	0.065614877	0.420321455
0.25	5.413	0.318	5.095	32.083	0.079351483	0.499672938
0.50	4.971	0.493	4.478	36.561	0.069742088	0.569415026
0.75	4.132	0.714	3.418	39.979	0.053233242	0.622648268
1.00	4.020	1.195	2.825	42.804	0.043997633	0.666645901
1.25	3.783	1.455	2.328	45.132	0.036257164	0.702903065
1.50	3.416	1.692	1.724	46.856	0.026850237	0.729753302
1.75	5.056	3.166	1.890	48.746	0.029435584	0.759188886
2.00	4.213	2.717	1.496	50.242	0.023299277	0.782488163
2.25	3.642	1.936	1.706	51.948	0.026569898	0.809058061
2.50	3.418	1.345	2.073	54.021	0.032285696	0.841343758
2.75	3.310	1.149	2.161	56.182	0.033656242	0.875000000
3.00	3.976	1.892	2.084	58.266	0.032457015	0.907457015
3.25	4.418	3.295	1.123	59.389	0.017490032	0.924947047
3.50	7.954	4.696	3.258	62.647	0.050741341	0.975688388
3.75	3.292	2.718	0.574	63.221	0.008939696	0.984628084
4.00	1.359	0.771	0.588	63.809	0.009157737	0.993785821
PAN	0.720	0.321	0.399	64.208	0.006214179	1.0

<b>TOTAL WT.</b>	94.251	grams
<b>CO3 WT</b>	64.208	grams
<b>% CARBONATE</b>	68.124	



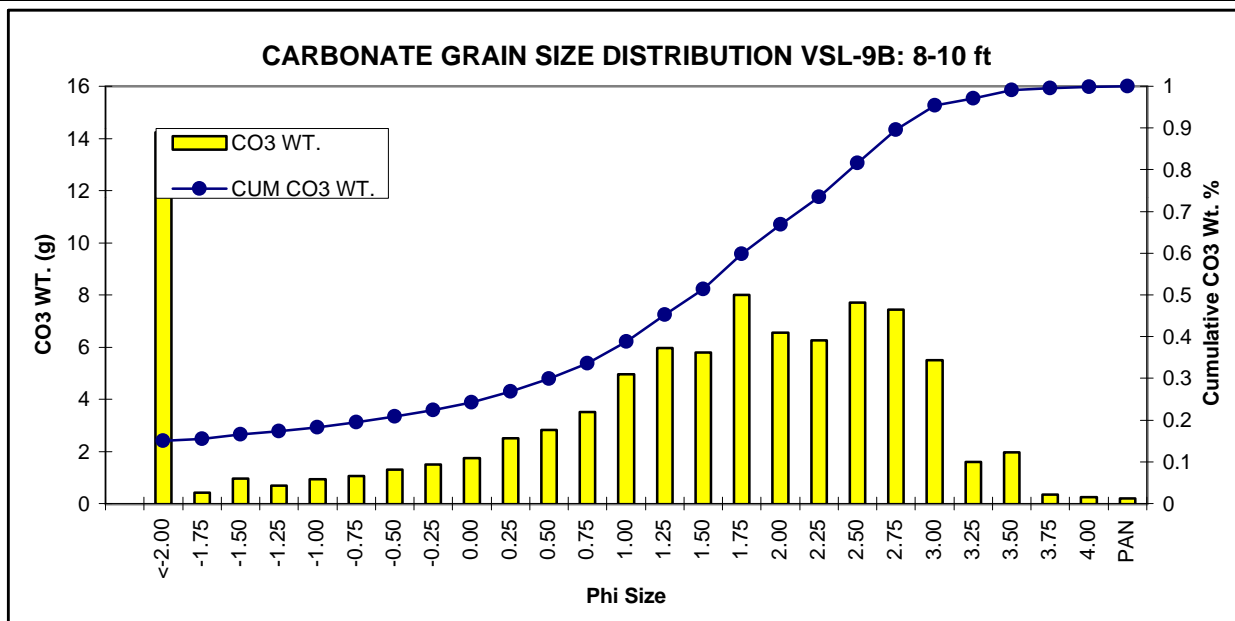
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-9B : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	14.229	0.000	14.229	14.229	0.151014084	0.151014084
-1.75	0.422	0.000	0.422	14.651	0.004478737	0.155492820
-1.50	0.965	0.000	0.965	15.616	0.010241661	0.165734481
-1.25	0.676	0.000	0.676	16.292	0.007174469	0.172908950
-1.00	0.943	0.000	0.943	17.235	0.010008172	0.182917122
-0.75	1.063	0.000	1.063	18.298	0.011281746	0.194198869
-0.50	1.298	0.001	1.297	19.595	0.013765217	0.207964085
-0.25	1.510	0.001	1.509	21.104	0.016015198	0.223979283
0.00	1.739	0.007	1.732	22.836	0.018381924	0.242361207
0.25	2.539	0.024	2.515	25.351	0.026691997	0.269053204
0.50	2.856	0.046	2.810	28.161	0.029822867	0.298876071
0.75	3.627	0.119	3.508	31.669	0.037230825	0.336106895
1.00	5.307	0.349	4.958	36.627	0.052619849	0.388726744
1.25	6.672	0.698	5.974	42.601	0.063402779	0.452129523
1.50	7.127	1.341	5.786	48.387	0.061407512	0.513537034
1.75	11.613	3.614	7.999	56.386	0.084894346	0.598431381
2.00	9.900	3.336	6.564	62.950	0.069664519	0.668095900
2.25	8.642	2.388	6.254	69.204	0.066374452	0.734470352
2.50	9.251	1.546	7.705	76.909	0.081774089	0.816244441
2.75	8.608	1.162	7.446	84.355	0.079025291	0.895269732
3.00	7.022	1.528	5.494	89.849	0.058308481	0.953578213
3.25	4.093	2.488	1.605	91.454	0.017034058	0.970612271
3.50	5.554	3.591	1.963	93.417	0.020833554	0.991445825
3.75	2.229	1.882	0.347	93.764	0.003682753	0.995128578
4.00	0.649	0.398	0.251	94.015	0.002663893	0.997792471
PAN	0.388	0.180	0.208	94.223	0.002207529	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

118.922 grams  
94.223 grams  
79.231

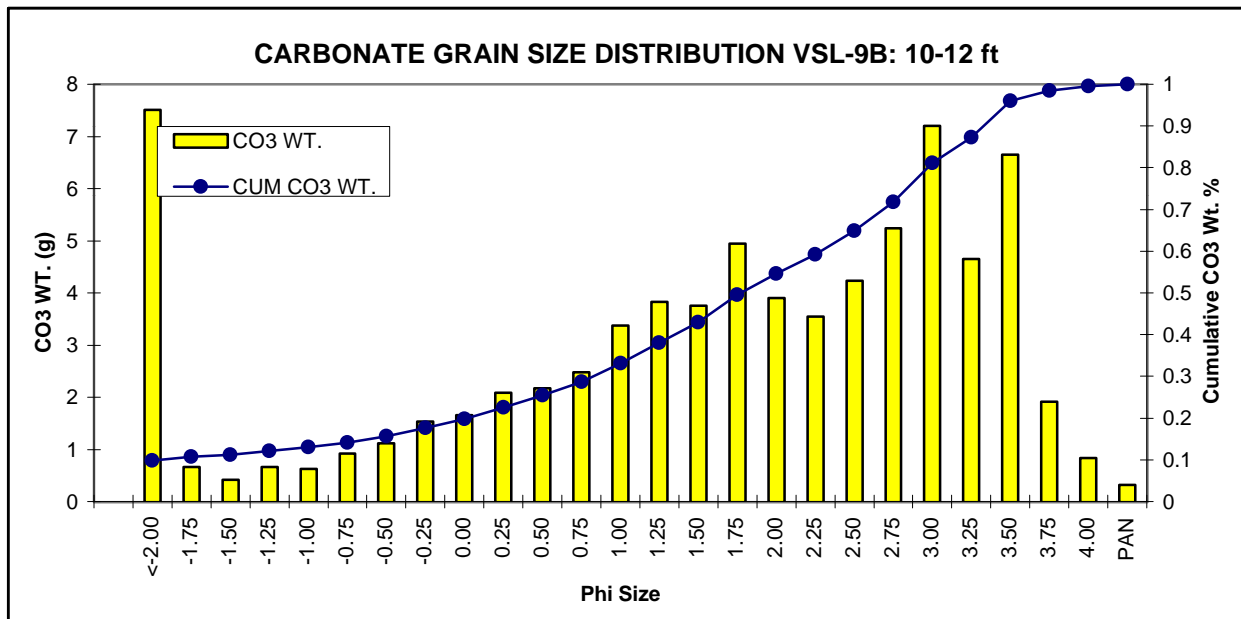


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-9B : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	7.505	0.000	7.505	7.505	0.098446887	0.098446887
-1.75	0.664	0.000	0.664	8.169	0.008710024	0.107156912
-1.50	0.421	0.000	0.421	8.590	0.005522470	0.112679382
-1.25	0.667	0.000	0.667	9.257	0.008749377	0.121428759
-1.00	0.625	0.000	0.625	9.882	0.008198442	0.129627200
-0.75	0.917	0.000	0.917	10.799	0.012028754	0.141655954
-0.50	1.118	0.000	1.118	11.917	0.014665372	0.156321326
-0.25	1.532	0.000	1.532	13.449	0.020096020	0.176417347
0.00	1.654	0.000	1.654	15.103	0.021696356	0.198113703
0.25	2.086	0.002	2.084	17.187	0.027336884	0.225450586
0.50	2.180	0.007	2.173	19.360	0.028504342	0.253954928
0.75	2.507	0.028	2.479	21.839	0.032518299	0.286473227
1.00	3.436	0.063	3.373	25.212	0.044245350	0.330718577
1.25	3.944	0.120	3.824	29.036	0.050161345	0.380879922
1.50	4.061	0.302	3.759	32.795	0.049308707	0.430188630
1.75	5.786	0.845	4.941	37.736	0.064813600	0.495002230
2.00	4.974	1.068	3.906	41.642	0.051236981	0.546239211
2.25	4.526	0.984	3.542	45.184	0.046462208	0.592701419
2.50	4.986	0.748	4.238	49.422	0.055591993	0.648293412
2.75	5.915	0.672	5.243	54.665	0.068775087	0.717068500
3.00	8.658	1.451	7.207	61.872	0.094537870	0.811606370
3.25	8.540	3.885	4.655	66.527	0.061061993	0.872668363
3.50	14.526	7.873	6.653	73.180	0.087270772	0.959939135
3.75	6.176	4.266	1.910	75.090	0.025054438	0.984993572
4.00	1.772	0.942	0.830	75.920	0.010887530	0.995881103
PAN	0.579	0.265	0.314	76.234	0.004118897	1.0

<b>TOTAL WT.</b>	99.755	grams
<b>CO3 WT</b>	76.234	grams
<b>% CARBONATE</b>	76.421	

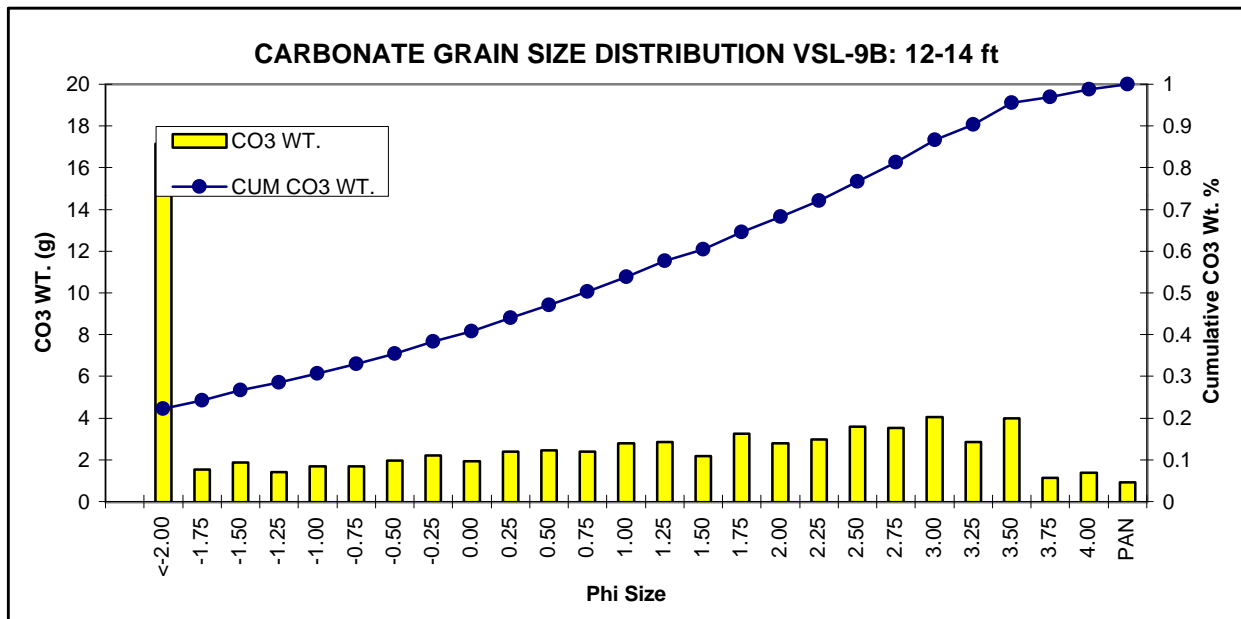


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-9B : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	17.145	0.000	17.145	17.145	0.222717294	0.222717294
-1.75	1.536	0.000	1.536	18.681	0.019952975	0.242670269
-1.50	1.876	0.000	1.876	20.557	0.024369650	0.267039919
-1.25	1.410	0.000	1.410	21.967	0.018316208	0.285356127
-1.00	1.687	0.000	1.687	23.654	0.021914498	0.307270625
-0.75	1.689	0.000	1.689	25.343	0.021940479	0.329211104
-0.50	1.962	0.000	1.962	27.305	0.025486808	0.354697912
-0.25	2.198	0.002	2.196	29.501	0.028526520	0.383224432
0.00	1.948	0.005	1.943	31.444	0.025239994	0.408464426
0.25	2.427	0.021	2.406	33.850	0.031254465	0.439718892
0.50	2.495	0.054	2.441	36.291	0.031709123	0.471428015
0.75	2.577	0.172	2.405	38.696	0.031241475	0.502669490
1.00	3.279	0.488	2.791	41.487	0.036255699	0.538925189
1.25	3.619	0.766	2.853	44.340	0.037061093	0.575986282
1.50	3.210	1.045	2.165	46.505	0.028123823	0.604110105
1.75	5.381	2.126	3.255	49.760	0.042283161	0.646393266
2.00	4.861	2.079	2.782	52.542	0.036138787	0.682532053
2.25	4.674	1.699	2.975	55.517	0.038645900	0.721177953
2.50	4.709	1.135	3.574	59.091	0.046427040	0.767604993
2.75	4.296	0.754	3.542	62.633	0.046011353	0.813616347
3.00	4.974	0.934	4.040	66.673	0.052480482	0.866096829
3.25	4.680	1.818	2.862	69.535	0.037178005	0.903274834
3.50	7.325	3.323	4.002	73.537	0.051986854	0.955261688
3.75	3.791	2.663	1.128	74.665	0.014652966	0.969914654
4.00	2.208	0.827	1.381	76.046	0.017939492	0.987854146
PAN	1.275	0.340	0.935	76.981	0.012145854	1.0

<b>TOTAL WT.</b>	97.232	grams
<b>CO3 WT</b>	76.981	grams
<b>% CARBONATE</b>	79.172	

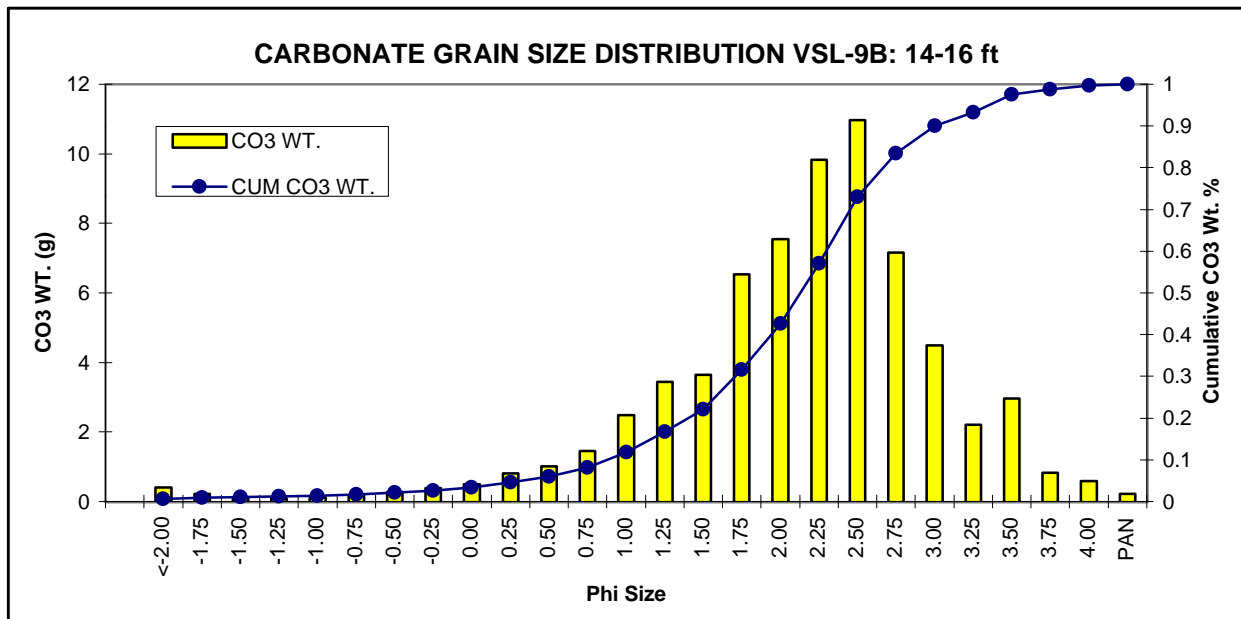


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-9B : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.404	0.000	0.404	0.404	0.005901687	0.005901687
-1.75	0.215	0.000	0.215	0.619	0.003140749	0.009042437
-1.50	0.125	0.000	0.125	0.744	0.001826017	0.010868454
-1.25	0.087	0.000	0.087	0.831	0.001270908	0.012139362
-1.00	0.119	0.000	0.119	0.950	0.001738368	0.013877730
-0.75	0.183	0.000	0.183	1.133	0.002673289	0.016551019
-0.50	0.288	0.003	0.285	1.418	0.004163319	0.020714338
-0.25	0.388	0.000	0.388	1.806	0.005667957	0.026382295
0.00	0.496	0.001	0.495	2.301	0.007231028	0.033613323
0.25	0.803	0.001	0.802	3.103	0.011715726	0.045329048
0.50	1.011	0.005	1.006	4.109	0.014695786	0.060024834
0.75	1.460	0.009	1.451	5.560	0.021196406	0.081221240
1.00	2.520	0.036	2.484	8.044	0.036286612	0.117507852
1.25	3.537	0.096	3.441	11.485	0.050266598	0.167774450
1.50	4.010	0.357	3.653	15.138	0.053363523	0.221137974
1.75	7.928	1.401	6.527	21.665	0.095347308	0.316485282
2.00	9.863	2.324	7.539	29.204	0.110130743	0.426616025
2.25	12.571	2.750	9.821	39.025	0.143466511	0.570082536
2.50	13.244	2.271	10.973	49.998	0.160295084	0.730377620
2.75	8.236	1.074	7.162	57.160	0.104623475	0.835001096
3.00	5.112	0.614	4.498	61.658	0.065707399	0.900708495
3.25	3.179	0.976	2.203	63.861	0.032181725	0.932890220
3.50	4.921	1.961	2.960	66.821	0.043240085	0.976130305
3.75	2.353	1.523	0.830	67.651	0.012124753	0.988255058
4.00	0.994	0.406	0.588	68.239	0.008589584	0.996844642
PAN	0.362	0.146	0.216	68.455	0.003155358	1.0

<b>TOTAL WT.</b>	84.409	grams
<b>CO3 WT</b>	68.455	grams
<b>% CARBONATE</b>	81.099	

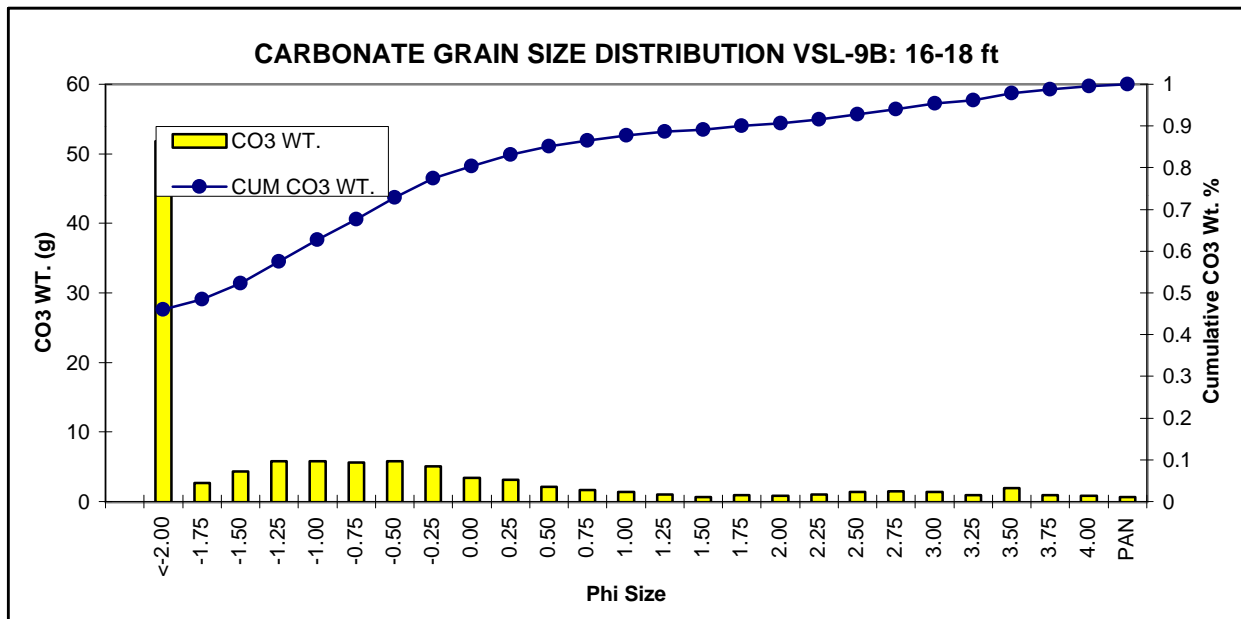


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-9B : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	51.780	0.000	51.780	51.780	0.460549137	0.460549137
-1.75	2.712	0.000	2.712	54.492	0.024121461	0.484670598
-1.50	4.345	0.000	4.345	58.837	0.038645925	0.523316523
-1.25	5.820	0.000	5.820	64.657	0.051765083	0.575081606
-1.00	5.823	0.000	5.823	70.480	0.051791766	0.626873371
-0.75	5.607	0.000	5.607	76.087	0.049870587	0.676743959
-0.50	5.839	0.000	5.839	81.926	0.051934075	0.728678034
-0.25	5.087	0.000	5.087	87.013	0.045245528	0.773923562
0.00	3.411	0.000	3.411	90.424	0.030338608	0.804262170
0.25	3.113	0.005	3.108	93.532	0.027643621	0.831905791
0.50	2.122	0.011	2.111	95.643	0.018775960	0.850681751
0.75	1.662	0.021	1.641	97.284	0.014595619	0.865277370
1.00	1.396	0.035	1.361	98.645	0.012105202	0.877382572
1.25	1.010	0.029	0.981	99.626	0.008725352	0.886107924
1.50	0.695	0.058	0.637	100.263	0.005665697	0.891773621
1.75	1.015	0.123	0.892	101.155	0.007933755	0.899707376
2.00	0.967	0.175	0.792	101.947	0.007044321	0.906751697
2.25	1.210	0.217	0.993	102.940	0.008832084	0.915583780
2.50	1.554	0.217	1.337	104.277	0.011891738	0.927475518
2.75	1.674	0.194	1.480	105.757	0.013163629	0.940639148
3.00	1.697	0.274	1.423	107.180	0.012656652	0.953295799
3.25	1.489	0.530	0.959	108.139	0.008529676	0.961825475
3.50	3.271	1.331	1.940	110.079	0.017255028	0.979080503
3.75	2.592	1.639	0.953	111.032	0.008476310	0.987556813
4.00	1.584	0.786	0.798	111.830	0.007097687	0.994654499
PAN	0.895	0.294	0.601	112.431	0.005345501	1.0

<b>TOTAL WT.</b>	118.370	grams
<b>CO3 WT</b>	112.431	grams
<b>% CARBONATE</b>	94.983	

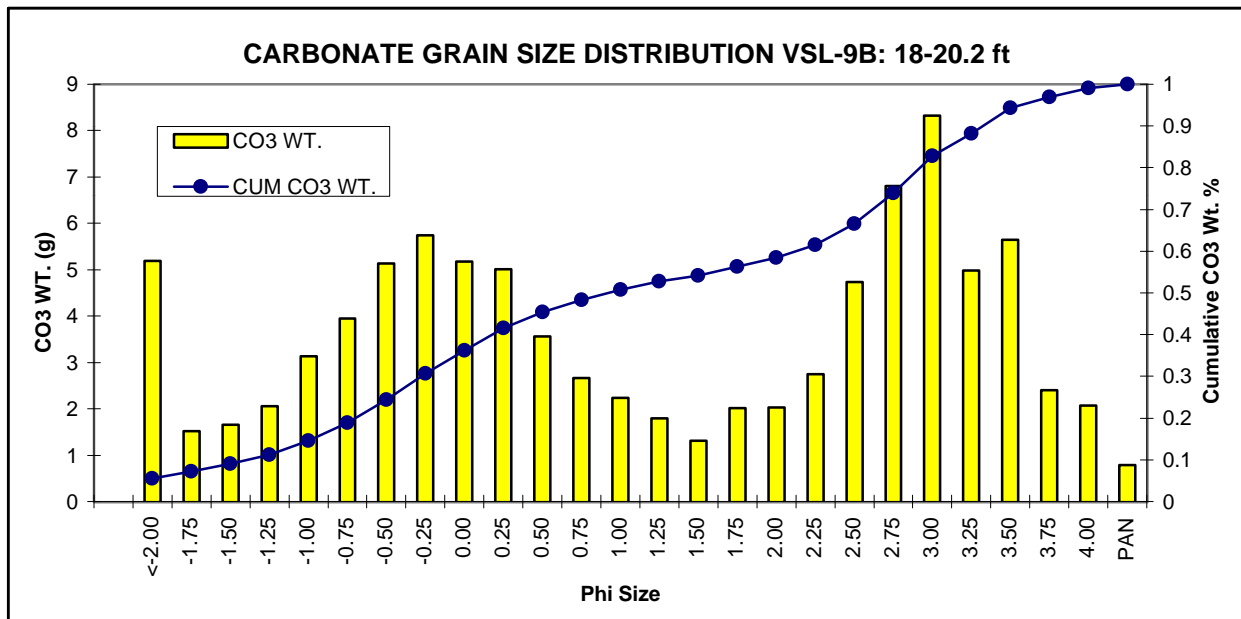


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-9B : 18-20.2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	5.188	0.000	5.188	5.188	0.055974537	0.055974537
-1.75	1.524	0.000	1.524	6.712	0.016442790	0.072417328
-1.50	1.650	0.000	1.650	8.362	0.017802233	0.090219561
-1.25	2.055	0.000	2.055	10.417	0.022171872	0.112391433
-1.00	3.134	0.000	3.134	13.551	0.033813454	0.146204888
-0.75	3.954	0.000	3.954	17.505	0.042660625	0.188865512
-0.50	5.137	0.000	5.137	22.642	0.055424287	0.244289799
-0.25	5.740	0.000	5.740	28.382	0.061930194	0.306219992
0.00	5.183	0.001	5.182	33.564	0.055909802	0.362129794
0.25	5.013	0.006	5.007	38.571	0.054021686	0.416151481
0.50	3.574	0.013	3.561	42.132	0.038420456	0.454571937
0.75	2.691	0.022	2.669	44.801	0.028796461	0.483368398
1.00	2.268	0.029	2.239	47.040	0.024157091	0.507525490
1.25	1.815	0.023	1.792	48.832	0.019334304	0.526859794
1.50	1.346	0.041	1.305	50.137	0.014079948	0.540939742
1.75	2.137	0.120	2.017	52.154	0.021761882	0.562701624
2.00	2.211	0.179	2.032	54.186	0.021923720	0.584625344
2.25	3.022	0.273	2.749	56.935	0.029659600	0.614284944
2.50	5.224	0.488	4.736	61.671	0.051097804	0.665382748
2.75	7.512	0.702	6.810	68.481	0.073474672	0.738857420
3.00	9.419	1.092	8.327	76.808	0.089841938	0.828699358
3.25	6.379	1.399	4.980	81.788	0.053730377	0.882429735
3.50	8.209	2.565	5.644	87.432	0.060894427	0.943324162
3.75	6.247	3.844	2.403	89.835	0.025926525	0.969250688
4.00	4.801	2.735	2.066	91.901	0.022290554	0.991541242
PAN	1.732	0.948	0.784	92.685	0.008458758	1.0

<b>TOTAL WT.</b>	107.165	grams
<b>CO3 WT</b>	92.685	grams
<b>% CARBONATE</b>	86.488	

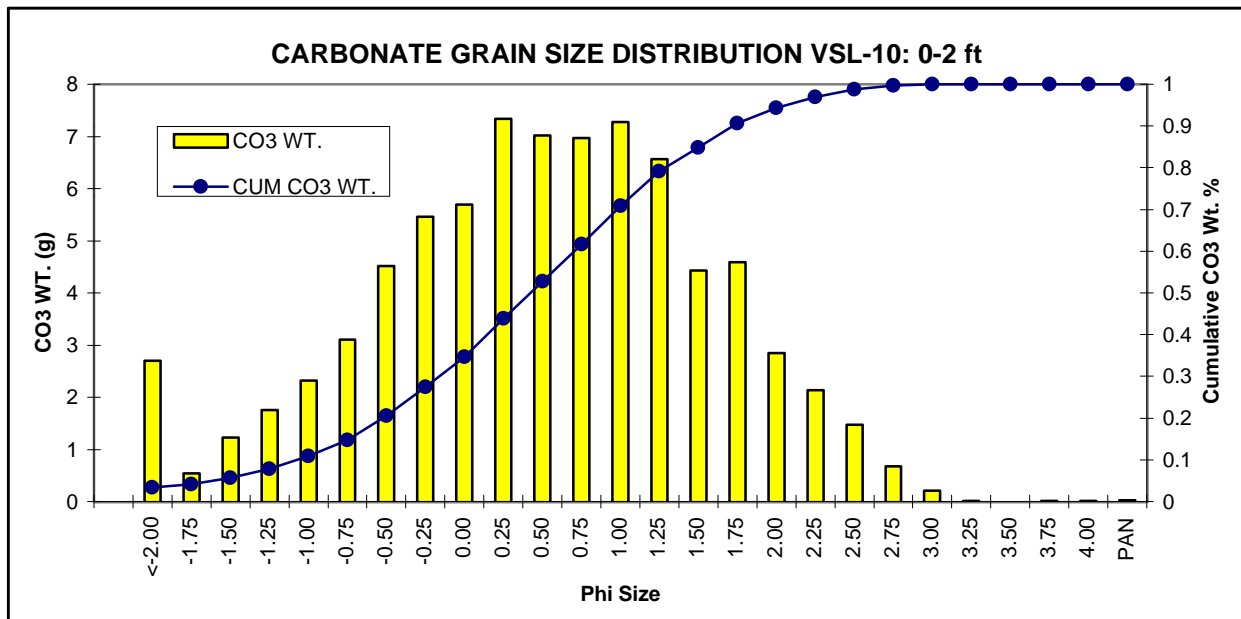


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-10 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.698	0.000	2.698	2.698	0.034193450	0.034193450
-1.75	0.545	0.000	0.545	3.243	0.006907128	0.041100578
-1.50	1.225	0.000	1.225	4.468	0.015525195	0.056625773
-1.25	1.756	0.000	1.756	6.224	0.022254892	0.078880665
-1.00	2.323	0.000	2.323	8.547	0.029440840	0.108321505
-0.75	3.100	0.000	3.100	11.647	0.039288249	0.147609754
-0.50	4.513	0.000	4.513	16.160	0.057196086	0.204805840
-0.25	5.461	0.000	5.461	21.621	0.069210686	0.274016526
0.00	5.706	0.009	5.697	27.318	0.072201663	0.346218189
0.25	7.394	0.051	7.343	34.661	0.093062456	0.439280645
0.50	7.136	0.113	7.023	41.684	0.089006894	0.528287539
0.75	7.172	0.202	6.970	48.654	0.088335192	0.616622731
1.00	7.523	0.252	7.271	55.925	0.092149954	0.708772686
1.25	6.951	0.382	6.569	62.494	0.083253067	0.792025753
1.50	5.090	0.655	4.435	66.929	0.056207543	0.848233296
1.75	5.831	1.246	4.585	71.514	0.058108588	0.906341884
2.00	3.816	0.964	2.852	74.366	0.036145189	0.942487073
2.25	2.839	0.710	2.129	76.495	0.026982156	0.969469228
2.50	1.898	0.427	1.471	77.966	0.018642908	0.988112136
2.75	0.910	0.234	0.676	78.642	0.008567373	0.996679509
3.00	0.417	0.204	0.213	78.855	0.002699483	0.999378992
3.25	0.143	0.133	0.010	78.865	0.000126736	0.999505728
3.50	0.122	0.119	0.003	78.868	0.000038021	0.999543749
3.75	0.082	0.074	0.008	78.876	0.000101389	0.999645138
4.00	0.050	0.041	0.009	78.885	0.000114063	0.999759201
PAN	0.028	0.009	0.019	78.904	0.000240799	1.0

<b>TOTAL WT.</b>	84.729	grams
<b>CO3 WT</b>	78.904	grams
<b>% CARBONATE</b>	93.125	



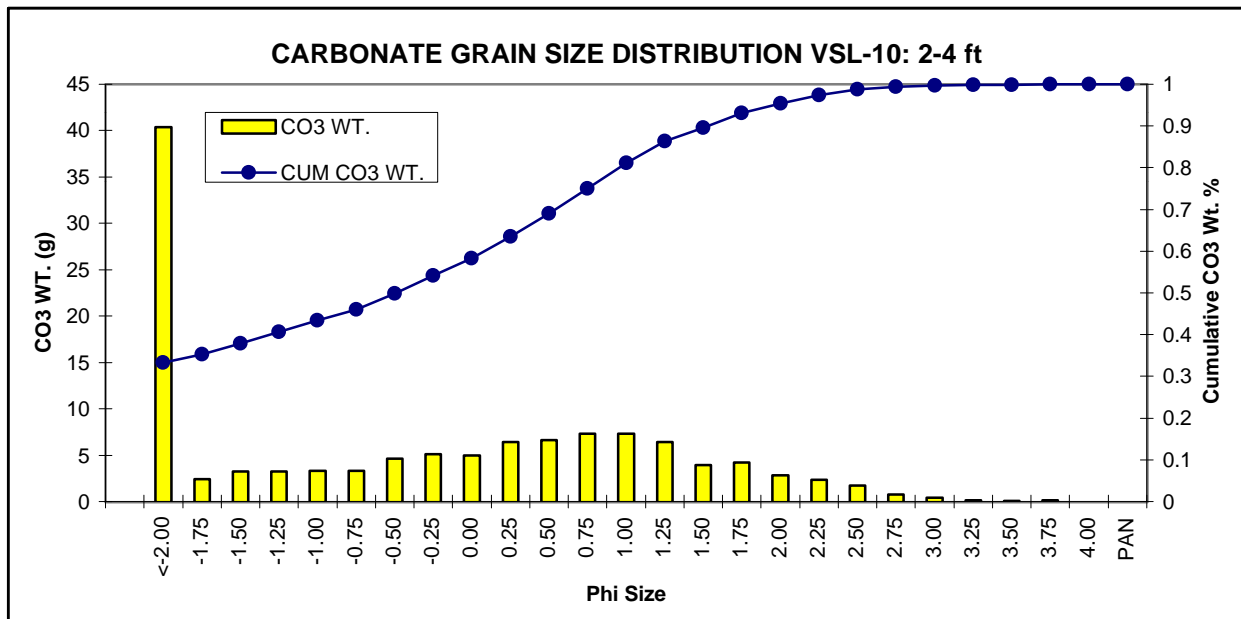


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-10 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	40.394	0.000	40.394	40.394	0.332806038	0.332806038
-1.75	2.396	0.000	2.396	42.790	0.019740636	0.352546674
-1.50	3.234	0.000	3.234	46.024	0.026644916	0.379191590
-1.25	3.258	0.000	3.258	49.282	0.026842652	0.406034241
-1.00	3.341	0.000	3.341	52.623	0.027526488	0.433560730
-0.75	3.299	0.000	3.299	55.922	0.027180451	0.460741180
-0.50	4.620	0.000	4.620	60.542	0.038064165	0.498805345
-0.25	5.152	0.014	5.138	65.680	0.042331966	0.541137311
0.00	5.034	0.044	4.990	70.670	0.041112594	0.582249905
0.25	6.599	0.159	6.440	77.110	0.053059140	0.635309045
0.50	7.001	0.361	6.640	83.750	0.054706939	0.690015984
0.75	7.950	0.640	7.310	91.060	0.060227067	0.750243050
1.00	7.866	0.540	7.326	98.386	0.060358891	0.810601941
1.25	6.868	0.431	6.437	104.823	0.053034423	0.863636364
1.50	4.623	0.686	3.937	108.760	0.032436930	0.896073294
1.75	5.257	1.034	4.223	112.983	0.034793284	0.930866578
2.00	3.612	0.800	2.812	115.795	0.023168059	0.954034637
2.25	2.807	0.430	2.377	118.172	0.019584095	0.973618732
2.50	1.939	0.240	1.699	119.871	0.013998056	0.987616788
2.75	1.014	0.245	0.769	120.640	0.006335789	0.993952576
3.00	0.585	0.200	0.385	121.025	0.003172014	0.997124590
3.25	0.278	0.163	0.115	121.140	0.000947485	0.998072075
3.50	0.291	0.198	0.093	121.233	0.000766227	0.998838301
3.75	0.354	0.248	0.106	121.339	0.000873334	0.999711635
4.00	0.214	0.193	0.021	121.360	0.000173019	0.999884654
PAN	0.175	0.161	0.014	121.374	0.000115346	1.0

<b>TOTAL WT.</b>	128.161	grams
<b>CO3 WT</b>	121.374	grams
<b>% CARBONATE</b>	94.704	

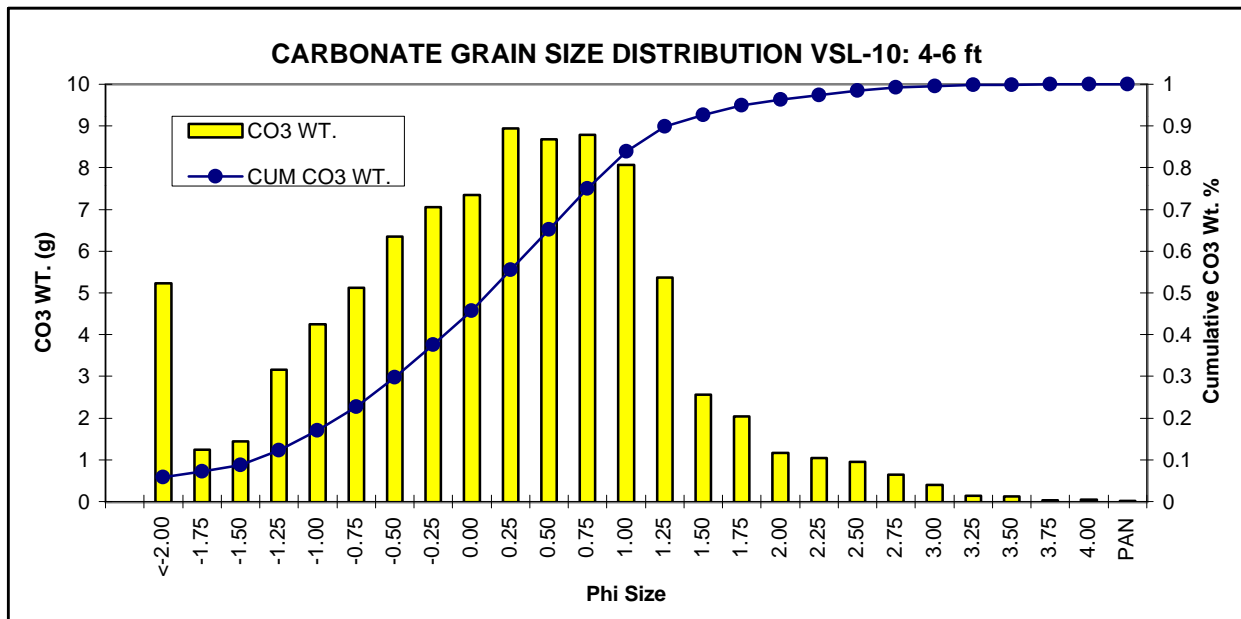


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-10 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	5.228	0.000	5.228	5.228	0.057959446	0.057959446
-1.75	1.250	0.000	1.250	6.478	0.013857939	0.071817386
-1.50	1.446	0.000	1.446	7.924	0.016030864	0.087848250
-1.25	3.154	0.000	3.154	11.078	0.034966353	0.122814603
-1.00	4.245	0.000	4.245	15.323	0.047061563	0.169876165
-0.75	5.123	0.000	5.123	20.446	0.056795379	0.226671545
-0.50	6.351	0.000	6.351	26.797	0.070409419	0.297080964
-0.25	7.060	0.000	7.060	33.857	0.078269642	0.375350606
0.00	7.344	0.000	7.344	41.201	0.081418166	0.456768772
0.25	8.985	0.038	8.947	50.148	0.099189588	0.555958360
0.50	8.905	0.226	8.679	58.827	0.096218445	0.652176805
0.75	9.304	0.523	8.781	67.608	0.097349253	0.749526058
1.00	8.622	0.554	8.068	75.676	0.089444685	0.838970743
1.25	5.702	0.333	5.369	81.045	0.059522622	0.898493365
1.50	2.934	0.374	2.560	83.605	0.028381060	0.926874425
1.75	2.488	0.442	2.046	85.651	0.022682675	0.949557100
2.00	1.463	0.297	1.166	86.817	0.012926686	0.962483786
2.25	1.325	0.283	1.042	87.859	0.011551978	0.974035765
2.50	1.199	0.248	0.951	88.810	0.010543120	0.984578885
2.75	0.833	0.186	0.647	89.457	0.007172869	0.991751754
3.00	0.590	0.198	0.392	89.849	0.004345850	0.996097604
3.25	0.293	0.148	0.145	89.994	0.001607521	0.997705125
3.50	0.276	0.153	0.123	90.117	0.001363621	0.999068746
3.75	0.191	0.162	0.029	90.146	0.000321504	0.999390251
4.00	0.154	0.107	0.047	90.193	0.000521059	0.999911309
PAN	0.087	0.079	0.008	90.201	0.000088691	1.0

<b>TOTAL WT.</b>	94.552	grams
<b>CO3 WT</b>	90.201	grams
<b>% CARBONATE</b>	95.398	

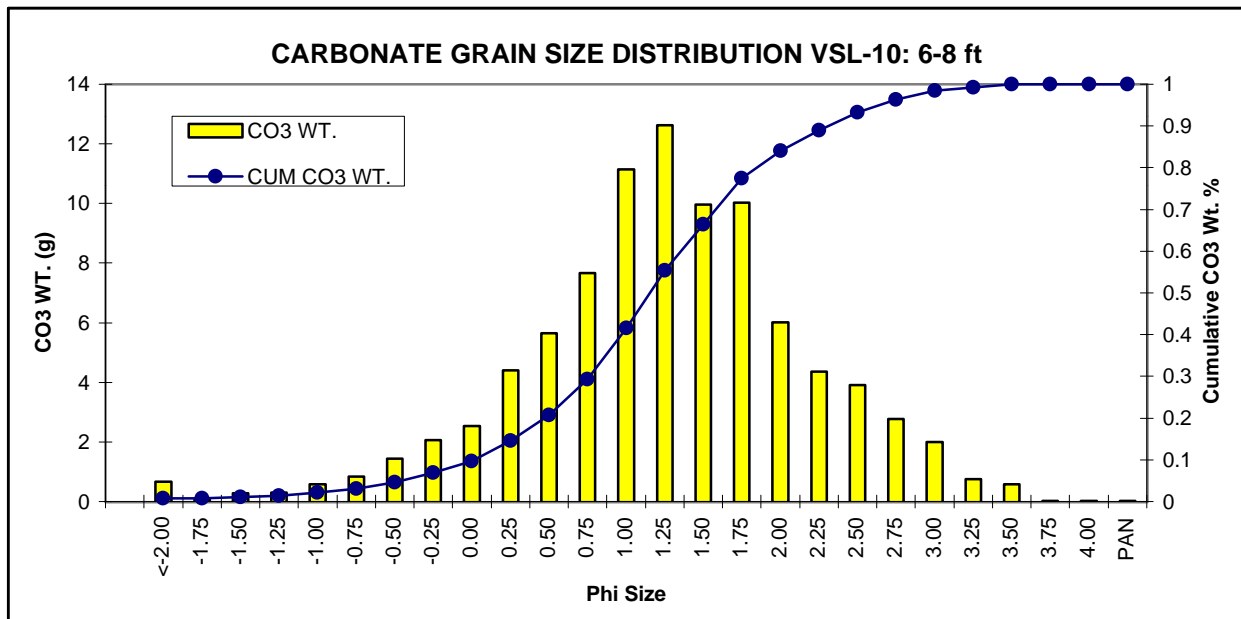


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-10 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.672	0.000	0.672	0.672	0.007411983	0.007411983
-1.75	0.074	0.000	0.074	0.746	0.000816200	0.008228183
-1.50	0.270	0.000	0.270	1.016	0.002978029	0.011206212
-1.25	0.303	0.000	0.303	1.319	0.003342010	0.014548222
-1.00	0.584	0.000	0.584	1.903	0.006441366	0.020989588
-0.75	0.838	0.000	0.838	2.741	0.009242919	0.030232507
-0.50	1.445	0.000	1.445	4.186	0.015937969	0.046170476
-0.25	2.069	0.000	2.069	6.255	0.022820524	0.068991000
0.00	2.544	0.000	2.544	8.799	0.028059649	0.097050649
0.25	4.399	0.004	4.395	13.194	0.048475690	0.145526339
0.50	5.650	0.009	5.641	18.835	0.062218742	0.207745081
0.75	7.692	0.028	7.664	26.499	0.084531898	0.292276979
1.00	11.233	0.091	11.142	37.641	0.122893320	0.415170299
1.25	12.872	0.252	12.620	50.261	0.139195270	0.554365570
1.50	10.732	0.776	9.956	60.217	0.109812053	0.664177623
1.75	12.090	2.064	10.026	70.243	0.110584135	0.774761758
2.00	7.264	1.262	6.002	76.245	0.066200476	0.840962234
2.25	5.156	0.801	4.355	80.600	0.048034501	0.888996735
2.50	4.556	0.657	3.899	84.499	0.043004941	0.932001677
2.75	3.411	0.638	2.773	87.272	0.030585458	0.962587135
3.00	2.929	0.929	2.000	89.272	0.022059472	0.984646607
3.25	1.481	0.719	0.762	90.034	0.008404659	0.993051266
3.50	1.211	0.625	0.586	90.620	0.006463425	0.999514692
3.75	0.591	0.578	0.013	90.633	0.000143387	0.999658078
4.00	0.302	0.291	0.011	90.644	0.000121327	0.999779405
PAN	0.114	0.094	0.020	90.664	0.000220595	1.0

<b>TOTAL WT.</b>	100.482	grams
<b>CO3 WT</b>	90.664	grams
<b>% CARBONATE</b>	90.229	

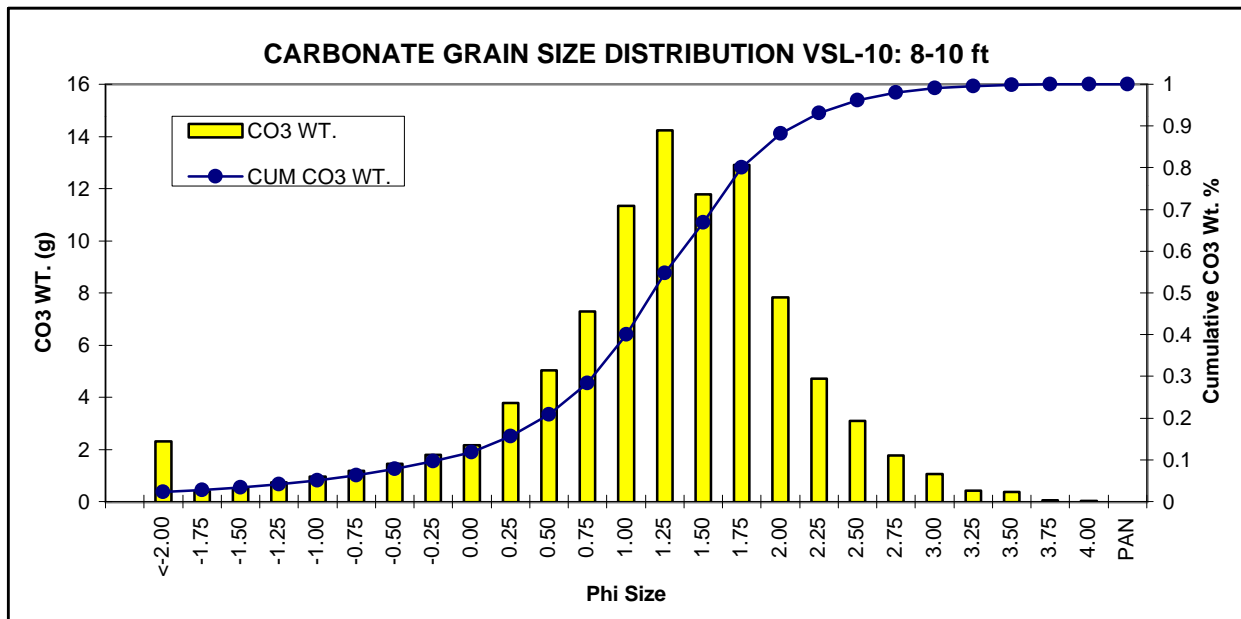


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-10 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.301	0.000	2.301	2.301	0.023679661	0.023679661
-1.75	0.392	0.000	0.392	2.693	0.004034084	0.027713745
-1.50	0.522	0.000	0.522	3.215	0.005371918	0.033085663
-1.25	0.737	0.000	0.737	3.952	0.007584489	0.040670152
-1.00	0.947	0.000	0.947	4.899	0.009745606	0.050415758
-0.75	1.187	0.000	1.187	6.086	0.012215453	0.062631211
-0.50	1.458	0.005	1.453	7.539	0.014952867	0.077584078
-0.25	1.800	0.004	1.796	9.335	0.018482690	0.096066768
0.00	2.171	0.008	2.163	11.498	0.022259499	0.118326267
0.25	3.794	0.020	3.774	15.272	0.038838348	0.157164615
0.50	5.059	0.039	5.020	20.292	0.051660972	0.208825588
0.75	7.443	0.146	7.297	27.589	0.075093648	0.283919236
1.00	11.691	0.361	11.330	38.919	0.116597374	0.400516610
1.25	14.884	0.647	14.237	53.156	0.146513399	0.547030009
1.50	13.308	1.517	11.791	64.947	0.121341539	0.668371547
1.75	16.403	3.499	12.904	77.851	0.132795455	0.801167003
2.00	9.962	2.128	7.834	85.685	0.080619932	0.881786935
2.25	5.624	0.901	4.723	90.408	0.048604536	0.930391471
2.50	3.612	0.517	3.095	93.503	0.031850739	0.962242210
2.75	2.112	0.357	1.755	95.258	0.018060758	0.980302968
3.00	1.612	0.563	1.049	96.307	0.010795291	0.991098259
3.25	0.873	0.451	0.422	96.729	0.004342815	0.995441074
3.50	0.769	0.410	0.359	97.088	0.003694480	0.999135553
3.75	0.620	0.578	0.042	97.130	0.000432223	0.999567777
4.00	0.574	0.544	0.030	97.160	0.000308731	0.999876508
PAN	0.256	0.244	0.012	97.172	0.000123492	1.0

<b>TOTAL WT.</b>	110.111	grams
<b>CO3 WT</b>	97.172	grams
<b>% CARBONATE</b>	88.249	

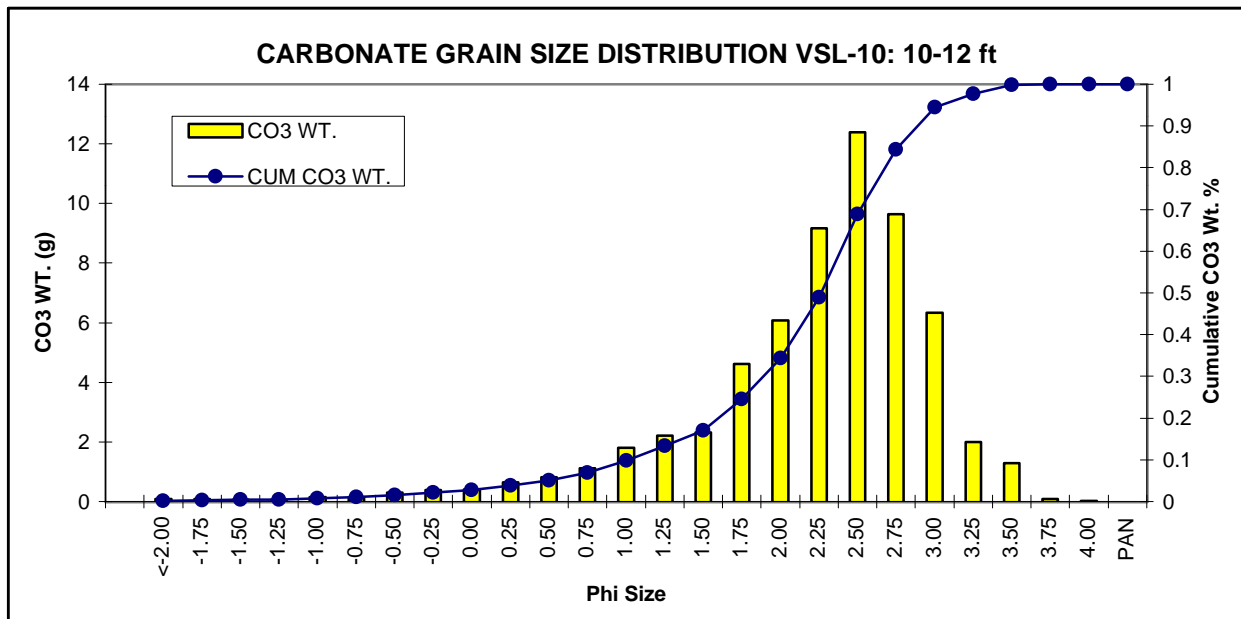


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-10 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.092	0.000	0.092	0.092	0.001477223	0.001477223
-1.75	0.096	0.000	0.096	0.188	0.001541451	0.003018674
-1.50	0.074	0.000	0.074	0.262	0.001188201	0.004206876
-1.25	0.062	0.000	0.062	0.324	0.000995520	0.005202396
-1.00	0.145	0.000	0.145	0.469	0.002328233	0.007530628
-0.75	0.159	0.000	0.159	0.628	0.002553028	0.010083656
-0.50	0.297	0.000	0.297	0.925	0.004768863	0.014852519
-0.25	0.389	0.000	0.389	1.314	0.006246086	0.021098605
0.00	0.413	0.000	0.413	1.727	0.006631449	0.027730053
0.25	0.636	0.000	0.636	2.363	0.010212110	0.037942163
0.50	0.812	0.004	0.808	3.171	0.012973876	0.050916039
0.75	1.145	0.020	1.125	4.296	0.018063874	0.068979913
1.00	1.841	0.039	1.802	6.098	0.028934312	0.097914225
1.25	2.274	0.054	2.220	8.318	0.035646044	0.133560269
1.50	2.467	0.139	2.328	10.646	0.037380176	0.170940445
1.75	5.252	0.625	4.627	15.273	0.074294706	0.245235151
2.00	7.605	1.520	6.085	21.358	0.097705487	0.342940638
2.25	11.238	2.080	9.158	30.516	0.147047962	0.489988600
2.50	14.562	2.165	12.397	42.913	0.199055862	0.689044461
2.75	11.762	2.115	9.647	52.560	0.154899725	0.843944187
3.00	9.282	2.957	6.325	58.885	0.101559113	0.945503300
3.25	4.086	2.088	1.998	60.883	0.032081440	0.977584740
3.50	2.407	1.114	1.293	62.176	0.020761412	0.998346152
3.75	0.997	0.921	0.076	62.252	0.001220315	0.999566467
4.00	0.554	0.531	0.023	62.275	0.000369306	0.999935773
PAN	0.181	0.177	0.004	62.279	0.000064227	1.0

<b>TOTAL WT.</b>	78.828	grams
<b>CO3 WT</b>	62.279	grams
<b>% CARBONATE</b>	79.006	

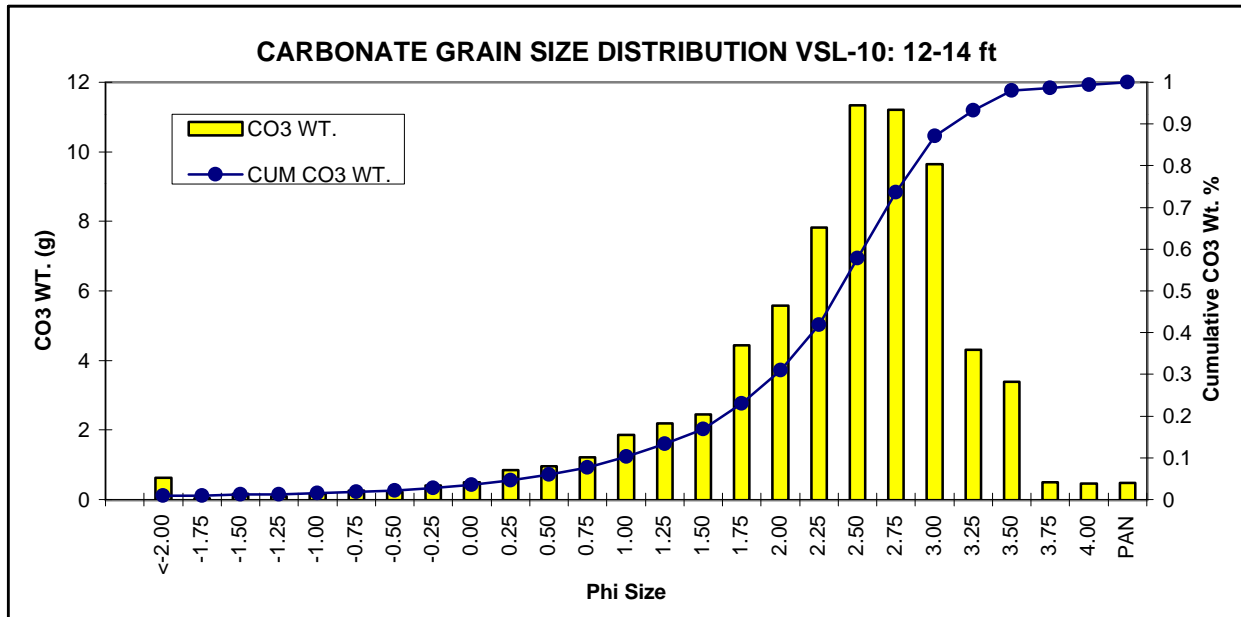


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-10 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	0.629	0.000	0.629	0.629	0.008841348	0.008841348
-1.75	0.039	0.000	0.039	0.668	0.000548192	0.009389539
-1.50	0.166	0.000	0.166	0.834	0.002333329	0.011722868
-1.25	0.087	0.000	0.087	0.921	0.001222889	0.012945757
-1.00	0.163	0.000	0.163	1.084	0.002291160	0.015236917
-0.75	0.256	0.000	0.256	1.340	0.003598386	0.018835304
-0.50	0.225	0.000	0.225	1.565	0.003162644	0.021997948
-0.25	0.405	0.000	0.405	1.970	0.005692760	0.027690707
0.00	0.492	0.000	0.492	2.462	0.006915649	0.034606356
0.25	0.852	0.000	0.852	3.314	0.011975880	0.046582236
0.50	0.955	0.002	0.953	4.267	0.013395555	0.059977791
0.75	1.224	0.012	1.212	5.479	0.017036110	0.077013902
1.00	1.875	0.025	1.850	7.329	0.026003964	0.103017865
1.25	2.224	0.032	2.192	9.521	0.030811183	0.133829049
1.50	2.531	0.079	2.452	11.973	0.034465794	0.168294843
1.75	4.735	0.293	4.442	16.415	0.062437626	0.230732468
2.00	6.183	0.600	5.583	21.998	0.078475746	0.309208214
2.25	8.836	1.012	7.824	29.822	0.109975683	0.419183897
2.50	12.763	1.422	11.341	41.163	0.159411326	0.578595224
2.75	13.223	2.022	11.201	52.364	0.157443459	0.736038683
3.00	14.166	4.520	9.646	62.010	0.135586073	0.871624756
3.25	8.909	4.606	4.303	66.313	0.060483814	0.932108570
3.50	6.374	2.988	3.386	69.699	0.047594282	0.979702852
3.75	3.484	2.985	0.499	70.198	0.007014042	0.986716894
4.00	3.621	3.163	0.458	70.656	0.006437738	0.993154632
PAN	2.208	1.721	0.487	71.143	0.006845368	1.0

<b>TOTAL WT.</b>	96.625	grams
<b>CO3 WT</b>	71.143	grams
<b>% CARBONATE</b>	73.628	

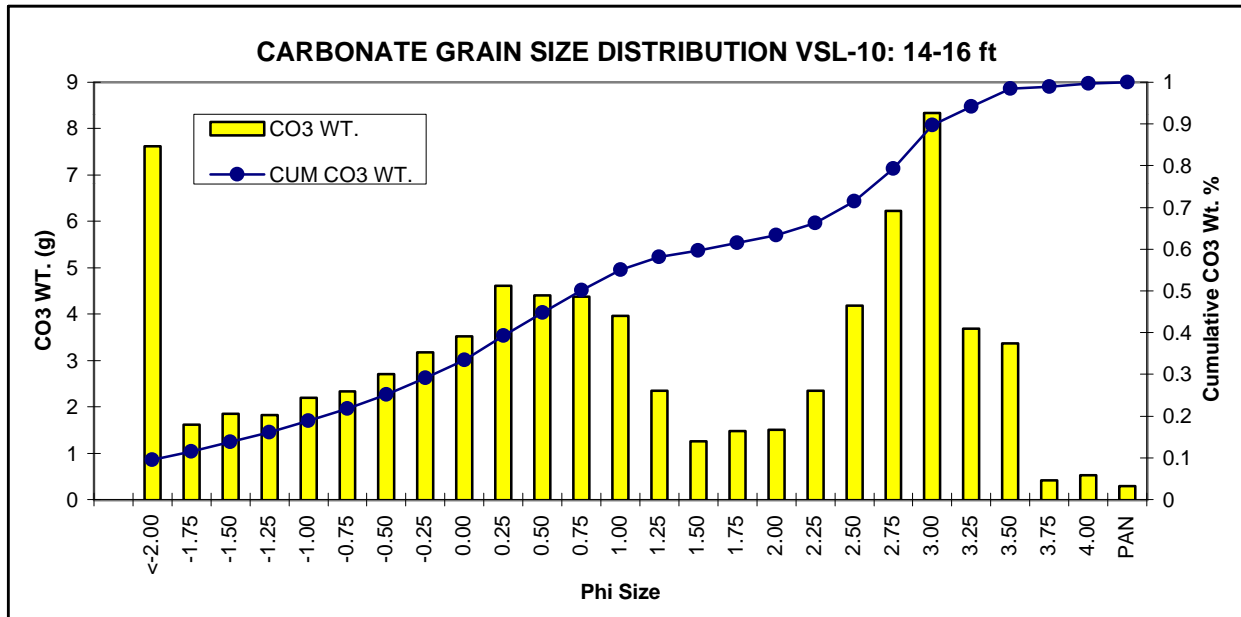


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-10 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	7.615	0.000	7.615	7.615	0.095014099	0.095014099
-1.75	1.614	0.000	1.614	9.229	0.020138248	0.115152347
-1.50	1.847	0.000	1.847	11.076	0.023045442	0.138197789
-1.25	1.828	0.000	1.828	12.904	0.022808375	0.161006164
-1.00	2.200	0.000	2.200	15.104	0.027449904	0.188456068
-0.75	2.339	0.000	2.339	17.443	0.029184239	0.217640306
-0.50	2.699	0.000	2.699	20.142	0.033676041	0.251316348
-0.25	3.170	0.000	3.170	23.312	0.039552816	0.290869164
0.00	3.525	0.000	3.525	26.837	0.043982232	0.334851396
0.25	4.605	0.000	4.605	31.442	0.057457640	0.392309036
0.50	4.502	0.098	4.404	35.846	0.054949717	0.447258753
0.75	4.648	0.269	4.379	40.225	0.054637786	0.501896539
1.00	4.352	0.392	3.960	44.185	0.049409827	0.551306366
1.25	2.557	0.210	2.347	46.532	0.029284057	0.580590422
1.50	1.556	0.301	1.255	47.787	0.015658922	0.596249345
1.75	2.334	0.857	1.477	49.264	0.018428867	0.614678212
2.00	2.586	1.084	1.502	50.766	0.018740798	0.633419010
2.25	3.298	0.955	2.343	53.109	0.029234148	0.662653158
2.50	4.929	0.743	4.186	57.295	0.052229681	0.714882839
2.75	7.342	1.119	6.223	63.518	0.077645796	0.792528635
3.00	11.944	3.609	8.335	71.853	0.103997704	0.896526339
3.25	8.421	4.738	3.683	75.536	0.045953635	0.942479974
3.50	6.471	3.100	3.371	78.907	0.042060739	0.984540713
3.75	3.365	2.951	0.414	79.321	0.005165573	0.989706286
4.00	3.487	2.956	0.531	79.852	0.006625409	0.996331695
PAN	2.064	1.770	0.294	80.146	0.003668305	1.0

<b>TOTAL WT.</b>	105.298	grams
<b>CO3 WT</b>	80.146	grams
<b>% CARBONATE</b>	76.114	

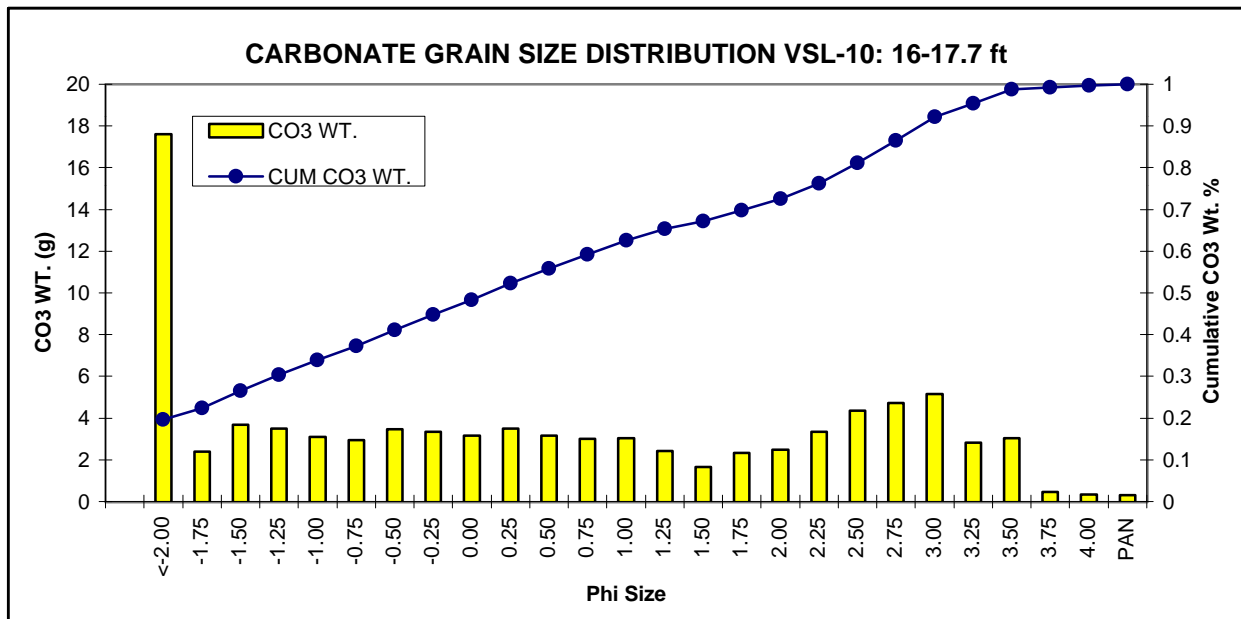


# CARBONATE GRAIN SIZE DISTRIBUTION

CORE VSL-10 : 16-17.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	17.614	0.000	17.614	17.614	0.196969528	0.196969528
-1.75	2.402	0.000	2.402	20.016	0.026860498	0.223830025
-1.50	3.695	0.000	3.695	23.711	0.041319542	0.265149567
-1.25	3.511	0.000	3.511	27.222	0.039261951	0.304411518
-1.00	3.094	0.000	3.094	30.316	0.034598826	0.339010344
-0.75	2.955	0.000	2.955	33.271	0.033044451	0.372054795
-0.50	3.471	0.000	3.471	36.742	0.038814649	0.410869444
-0.25	3.341	0.000	3.341	40.083	0.037360917	0.448230361
0.00	3.163	0.000	3.163	43.246	0.035370422	0.483600783
0.25	3.505	0.005	3.500	46.746	0.039138943	0.522739726
0.50	3.227	0.061	3.166	49.912	0.035403970	0.558143696
0.75	3.146	0.140	3.006	52.918	0.033614761	0.591758457
1.00	3.262	0.218	3.044	55.962	0.034039698	0.625798155
1.25	2.558	0.128	2.430	58.392	0.027173609	0.652971764
1.50	1.961	0.290	1.671	60.063	0.018686050	0.671657814
1.75	3.496	1.162	2.334	62.397	0.026100084	0.697757898
2.00	4.196	1.716	2.480	64.877	0.027732737	0.725490635
2.25	5.019	1.663	3.356	68.233	0.037528655	0.763019290
2.50	5.520	1.156	4.364	72.597	0.048800671	0.811819961
2.75	5.639	0.909	4.730	77.327	0.052893486	0.864713447
3.00	7.047	1.884	5.163	82.490	0.057735533	0.922448980
3.25	5.823	3.014	2.809	85.299	0.031411798	0.953860777
3.50	5.602	2.557	3.045	88.344	0.034050881	0.987911658
3.75	1.787	1.338	0.449	88.793	0.005020967	0.992932625
4.00	1.423	1.093	0.330	89.123	0.003690243	0.996622868
PAN	1.061	0.759	0.302	89.425	0.003377132	1.0

<b>TOTAL WT.</b>	107.518	grams
<b>CO3 WT</b>	89.425	grams
<b>% CARBONATE</b>	83.172	



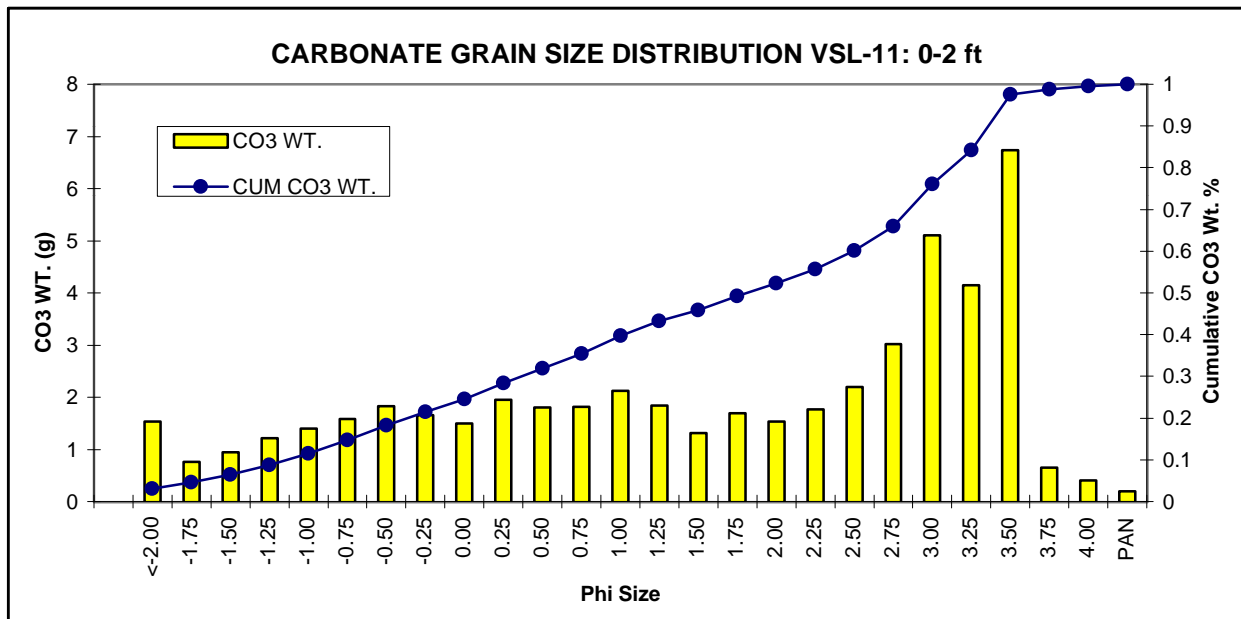


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-11 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	1.539	0.000	1.539	1.539	0.030359221	0.030359221
-1.75	0.758	0.000	0.758	2.297	0.014952755	0.045311976
-1.50	0.949	0.000	0.949	3.246	0.018720533	0.064032509
-1.25	1.216	0.000	1.216	4.462	0.023987533	0.088020042
-1.00	1.396	0.000	1.396	5.858	0.027538319	0.115558361
-0.75	1.577	0.000	1.577	7.435	0.031108832	0.146667193
-0.50	1.829	0.000	1.829	9.264	0.036079932	0.182747125
-0.25	1.653	0.000	1.653	10.917	0.032608052	0.215355177
0.00	1.497	0.000	1.497	12.414	0.029530704	0.244885882
0.25	1.949	0.002	1.947	14.361	0.038407670	0.283293551
0.50	1.813	0.007	1.806	16.167	0.035626221	0.318919772
0.75	1.838	0.023	1.815	17.982	0.035803760	0.354723532
1.00	2.177	0.059	2.118	20.100	0.041780916	0.396504448
1.25	1.910	0.069	1.841	21.941	0.036316651	0.432821100
1.50	1.445	0.129	1.316	23.257	0.025960192	0.458781291
1.75	1.937	0.244	1.693	24.950	0.033397116	0.492178407
2.00	1.782	0.247	1.535	26.485	0.030280315	0.522458722
2.25	2.016	0.246	1.770	28.255	0.034916063	0.557374785
2.50	2.398	0.198	2.200	30.455	0.043398497	0.600773282
2.75	3.367	0.353	3.014	33.469	0.059455941	0.660229223
3.00	7.520	2.420	5.100	38.569	0.100605606	0.760834829
3.25	10.202	6.056	4.146	42.715	0.081786440	0.842621269
3.50	14.710	7.979	6.731	49.446	0.132779674	0.975400943
3.75	4.048	3.403	0.645	50.091	0.012723650	0.988124593
4.00	0.970	0.567	0.403	50.494	0.007949816	0.996074409
PAN	0.350	0.151	0.199	50.693	0.003925591	1.0

<b>TOTAL WT.</b>	72.846	grams
<b>CO3 WT</b>	50.693	grams
<b>% CARBONATE</b>	69.589	

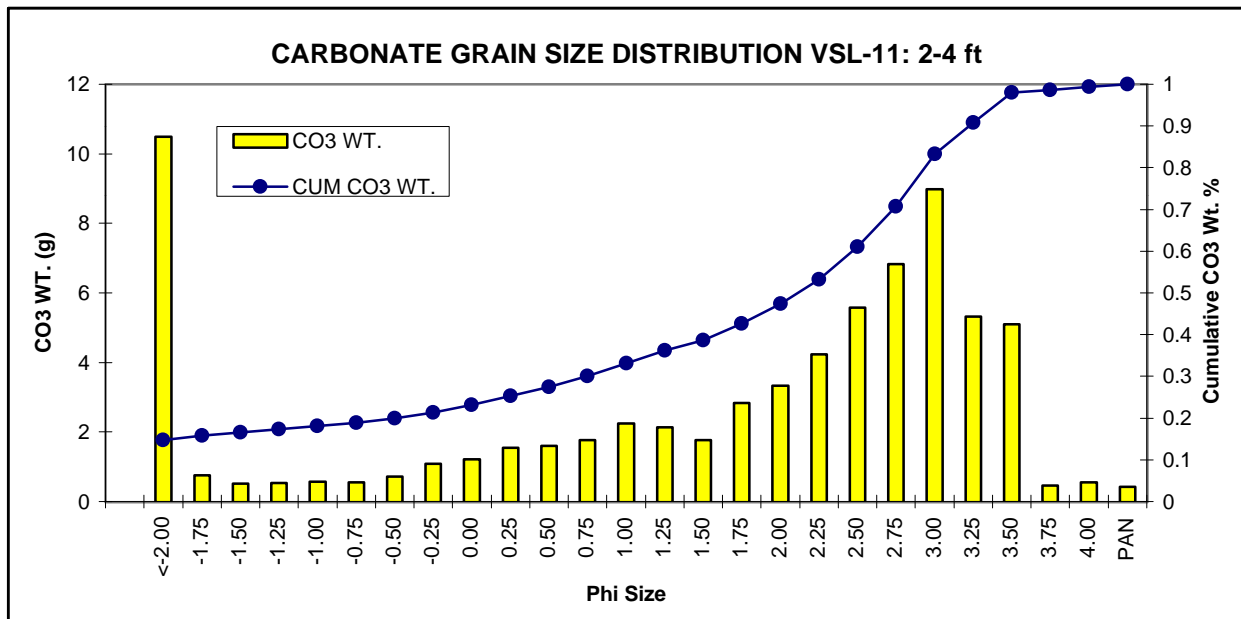


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-11 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	10.495	0.000	10.495	10.495	0.147428604	0.147428604
-1.75	0.760	0.000	0.760	11.255	0.010676107	0.158104710
-1.50	0.523	0.000	0.523	11.778	0.007346847	0.165451557
-1.25	0.526	0.000	0.526	12.304	0.007388990	0.172840547
-1.00	0.567	0.000	0.567	12.871	0.007964937	0.180805484
-0.75	0.557	0.000	0.557	13.428	0.007824462	0.188629946
-0.50	0.717	0.000	0.717	14.145	0.010072064	0.198702010
-0.25	1.084	0.000	1.084	15.229	0.015227499	0.213929510
0.00	1.211	0.000	1.211	16.440	0.017011533	0.230941043
0.25	1.557	0.006	1.551	17.991	0.021787686	0.252728729
0.50	1.612	0.017	1.595	19.586	0.022405776	0.275134505
0.75	1.809	0.044	1.765	21.351	0.024793853	0.299928358
1.00	2.370	0.123	2.247	23.598	0.031564752	0.331493110
1.25	2.240	0.098	2.142	25.740	0.030089764	0.361582873
1.50	1.931	0.157	1.774	27.514	0.024920280	0.386503154
1.75	3.161	0.325	2.836	30.350	0.039838735	0.426341888
2.00	3.739	0.403	3.336	33.686	0.046862489	0.473204377
2.25	4.747	0.508	4.239	37.925	0.059547389	0.532751766
2.50	6.037	0.458	5.579	43.504	0.078371051	0.611122817
2.75	7.132	0.312	6.820	50.324	0.095804009	0.706926827
3.00	10.324	1.337	8.987	59.311	0.126244960	0.833171787
3.25	9.111	3.783	5.328	64.639	0.074845126	0.908016913
3.50	11.085	5.981	5.104	69.743	0.071698484	0.979715397
3.75	3.184	2.724	0.460	70.203	0.006461854	0.986177251
4.00	1.017	0.461	0.556	70.759	0.007810415	0.993987666
PAN	0.563	0.135	0.428	71.187	0.006012334	1.0

<b>TOTAL WT.</b>	88.059	grams
<b>CO3 WT</b>	71.187	grams
<b>% CARBONATE</b>	80.840	

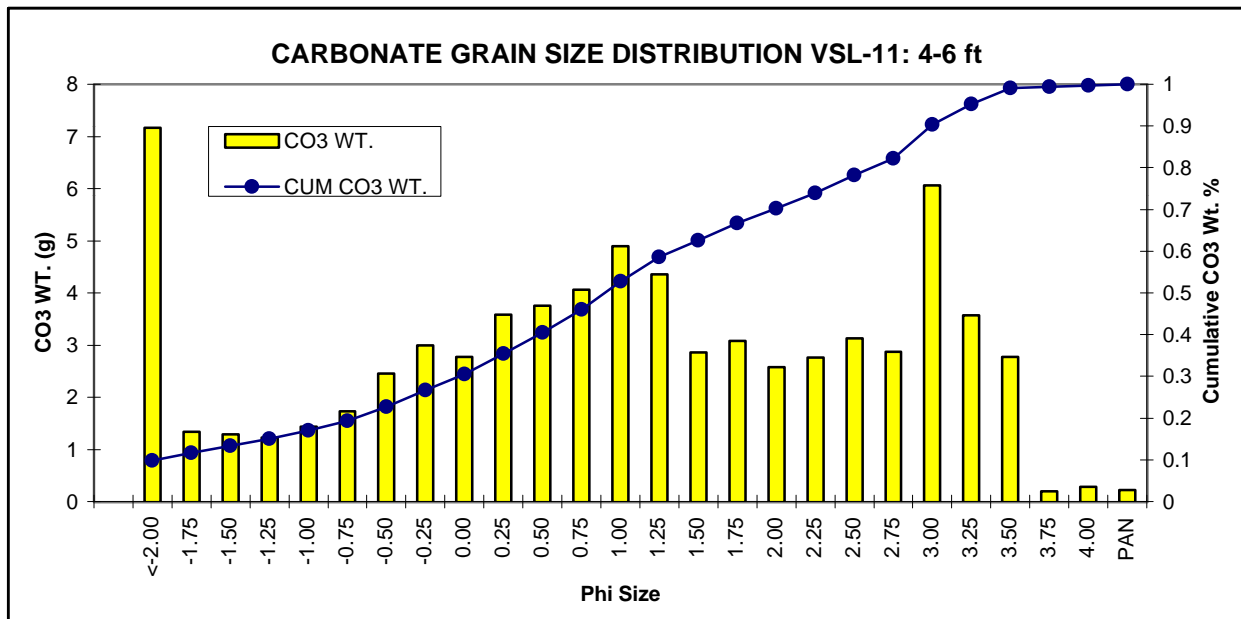


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-11 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	7.170	0.000	7.170	7.170	0.097629390	0.097629390
-1.75	1.342	0.000	1.342	8.512	0.018273172	0.115902561
-1.50	1.285	0.000	1.285	9.797	0.017497038	0.133399600
-1.25	1.221	0.000	1.221	11.018	0.016625591	0.150025190
-1.00	1.433	0.000	1.433	12.451	0.019512262	0.169537452
-0.75	1.735	0.000	1.735	14.186	0.023624406	0.193161858
-0.50	2.449	0.000	2.449	16.635	0.033346496	0.226508354
-0.25	2.993	0.000	2.993	19.628	0.040753802	0.267262156
0.00	2.767	0.000	2.767	22.395	0.037676502	0.304938658
0.25	3.582	0.001	3.581	25.976	0.048760229	0.353698888
0.50	3.763	0.007	3.756	29.732	0.051143094	0.404841982
0.75	4.100	0.036	4.064	33.796	0.055336937	0.460178919
1.00	5.058	0.157	4.901	38.697	0.066733841	0.526912760
1.25	4.615	0.258	4.357	43.054	0.059326534	0.586239294
1.50	3.216	0.361	2.855	45.909	0.038874743	0.625114037
1.75	3.608	0.523	3.085	48.994	0.042006509	0.667120546
2.00	3.017	0.443	2.574	51.568	0.035048542	0.702169088
2.25	3.175	0.415	2.760	54.328	0.037581188	0.739750276
2.50	3.483	0.352	3.131	57.459	0.042632862	0.782383137
2.75	3.975	1.098	2.877	60.336	0.039174303	0.821557441
3.00	6.068	0.003	6.065	66.401	0.082583298	0.904140739
3.25	5.752	2.183	3.569	69.970	0.048596833	0.952737572
3.50	5.731	2.958	2.773	72.743	0.037758200	0.990495772
3.75	1.400	1.208	0.192	72.935	0.002614343	0.993110116
4.00	0.436	0.154	0.282	73.217	0.003839817	0.996949933
PAN	0.287	0.063	0.224	73.441	0.003050067	1.0

<b>TOTAL WT.</b>	83.661	grams
<b>CO3 WT</b>	73.441	grams
<b>% CARBONATE</b>	87.784	

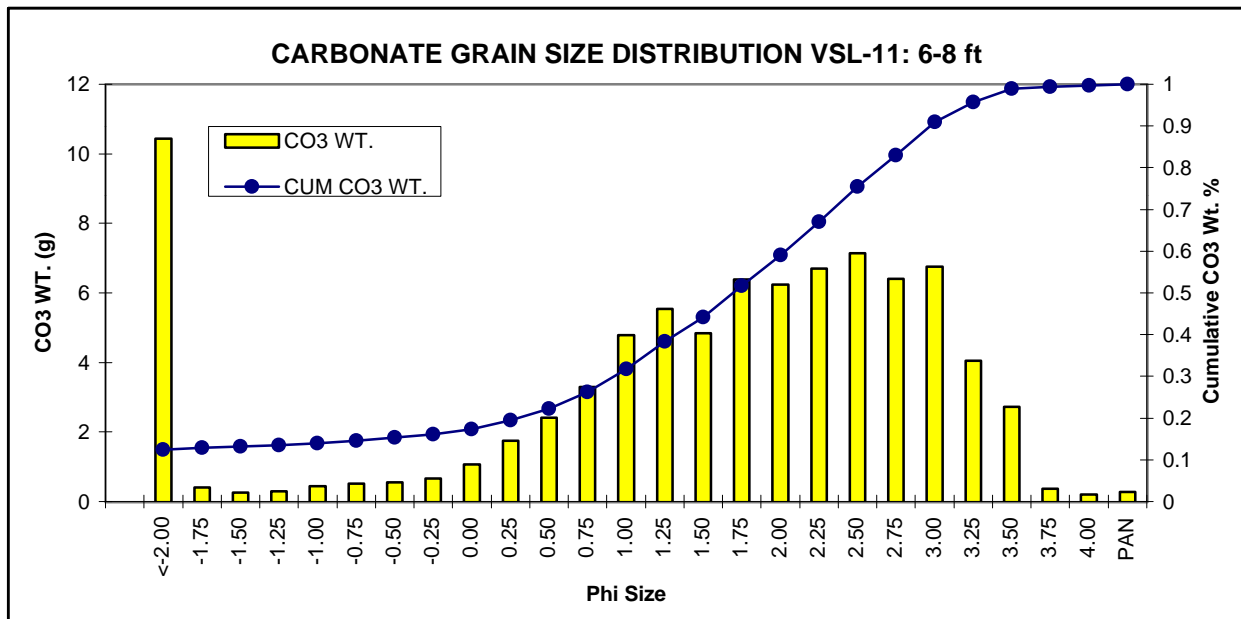


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-11 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	10.440	0.000	10.440	10.440	0.123567844	0.123567844
-1.75	0.410	0.000	0.410	10.850	0.004852760	0.128420604
-1.50	0.252	0.000	0.252	11.102	0.002982672	0.131403276
-1.25	0.286	0.000	0.286	11.388	0.003385096	0.134788372
-1.00	0.449	0.000	0.449	11.837	0.005314364	0.140102736
-0.75	0.520	0.000	0.520	12.357	0.006154720	0.146257457
-0.50	0.559	0.000	0.559	12.916	0.006616324	0.152873781
-0.25	0.660	0.000	0.660	13.576	0.007811760	0.160685541
0.00	1.073	0.000	1.073	14.649	0.012700028	0.173385570
0.25	1.755	0.000	1.755	16.404	0.020772181	0.194157750
0.50	2.407	0.003	2.404	18.808	0.028453745	0.222611495
0.75	3.311	0.022	3.289	22.097	0.038928605	0.261540100
1.00	4.898	0.116	4.782	26.879	0.056599754	0.318139854
1.25	5.766	0.218	5.548	32.427	0.065666130	0.383805984
1.50	5.450	0.616	4.834	37.261	0.057215226	0.441021210
1.75	7.756	1.376	6.380	43.641	0.075513682	0.516534893
2.00	7.577	1.345	6.232	49.873	0.073761954	0.590296847
2.25	8.023	1.331	6.692	56.565	0.079206515	0.669503361
2.50	8.158	1.011	7.147	63.712	0.084591895	0.754095256
2.75	7.000	0.593	6.407	70.119	0.075833254	0.829928511
3.00	7.623	0.877	6.746	76.865	0.079845659	0.909774169
3.25	5.627	1.583	4.044	80.909	0.047864786	0.957638955
3.50	4.561	1.837	2.724	83.633	0.032241265	0.989880220
3.75	1.109	0.738	0.371	84.004	0.004391156	0.994271376
4.00	0.324	0.116	0.208	84.212	0.002461888	0.996733264
PAN	0.382	0.106	0.276	84.488	0.003266736	1.0

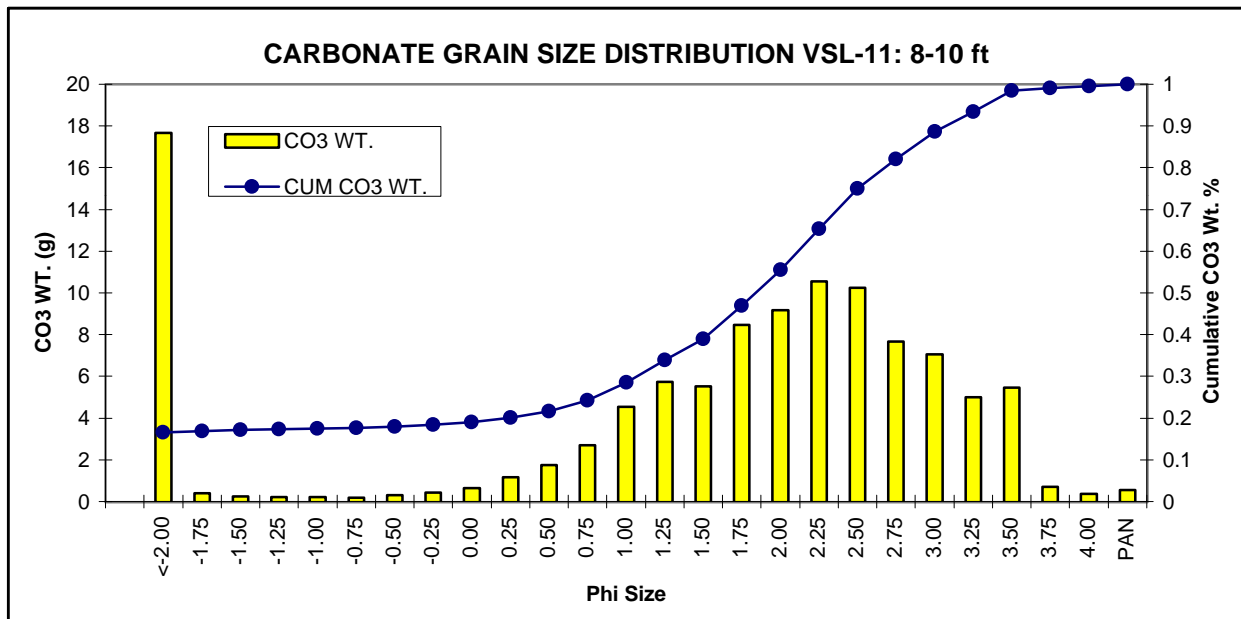
<b>TOTAL WT.</b>	96.376	grams
<b>CO3 WT</b>	84.488	grams
<b>% CARBONATE</b>	87.665	



# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-11 : 8-10 ft

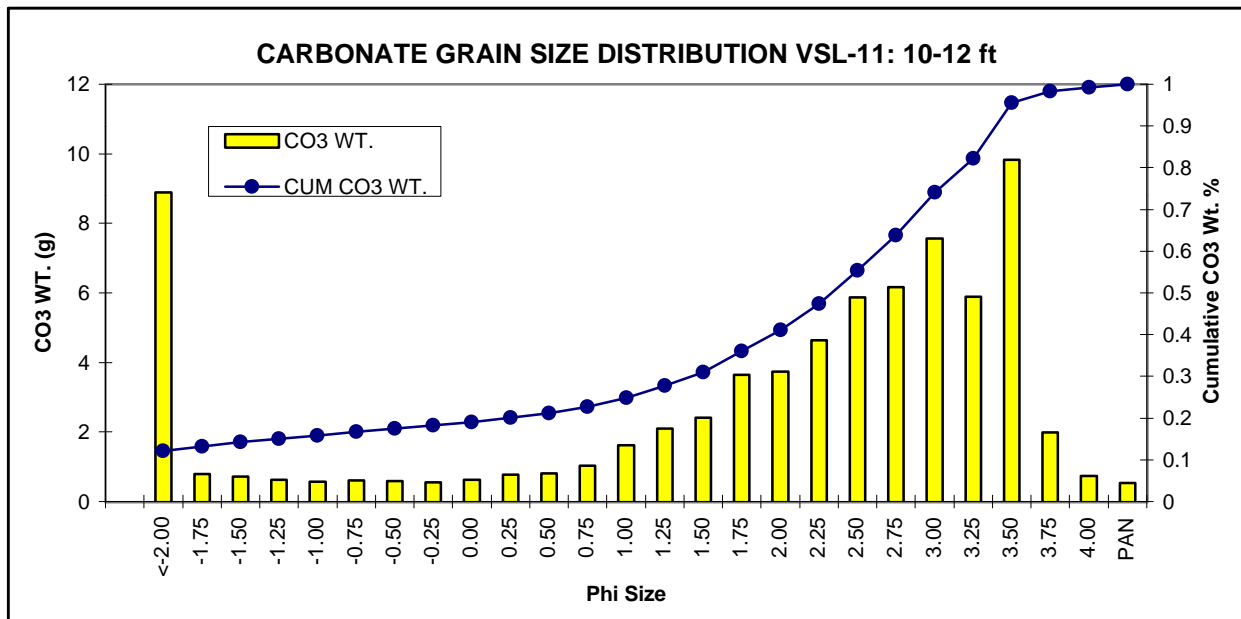
PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	17.679	0.000	17.679	17.679	0.165301543	0.165301543
-1.75	0.398	0.000	0.398	18.077	0.003721365	0.169022908
-1.50	0.241	0.000	0.241	18.318	0.002253389	0.171276297
-1.25	0.209	0.000	0.209	18.527	0.001954184	0.173230482
-1.00	0.204	0.000	0.204	18.731	0.001907433	0.175137915
-0.75	0.190	0.000	0.190	18.921	0.001776531	0.176914446
-0.50	0.308	0.000	0.308	19.229	0.002879850	0.179794296
-0.25	0.418	0.000	0.418	19.647	0.003908368	0.183702665
0.00	0.634	0.000	0.634	20.281	0.005928004	0.189630669
0.25	1.157	0.000	1.157	21.438	0.010818139	0.200448808
0.50	1.763	0.005	1.758	23.196	0.016437588	0.216886396
0.75	2.732	0.020	2.712	25.908	0.025357644	0.242244039
1.00	4.713	0.169	4.544	30.452	0.042487144	0.284731183
1.25	6.075	0.341	5.734	36.186	0.053613838	0.338345021
1.50	6.136	0.620	5.516	41.702	0.051575503	0.389920524
1.75	9.939	1.465	8.474	50.176	0.079233287	0.469153810
2.00	10.894	1.715	9.179	59.355	0.085825152	0.554978962
2.25	12.487	1.921	10.566	69.921	0.098793829	0.653772791
2.50	11.745	1.513	10.232	80.153	0.095670874	0.749443665
2.75	8.361	0.691	7.670	87.823	0.071715755	0.821159420
3.00	8.122	1.060	7.062	94.885	0.066030856	0.887190276
3.25	7.383	2.392	4.991	99.876	0.046666667	0.933856942
3.50	9.278	3.823	5.455	105.331	0.051005143	0.984862085
3.75	2.579	1.877	0.702	106.033	0.006563815	0.991425900
4.00	0.606	0.250	0.356	106.389	0.003328658	0.994754558
PAN	0.718	0.157	0.561	106.950	0.005245442	1.0
<b>TOTAL WT.</b>				124.969	grams	
<b>CO3 WT</b>				106.950	grams	
<b>% CARBONATE</b>				85.581		



# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-11 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	8.898	0.000	8.898	8.898	0.121328643	0.121328643
-1.75	0.794	0.000	0.794	9.692	0.010826584	0.132155226
-1.50	0.721	0.000	0.721	10.413	0.009831193	0.141986419
-1.25	0.631	0.000	0.631	11.044	0.008603998	0.150590417
-1.00	0.578	0.000	0.578	11.622	0.007881317	0.158471734
-0.75	0.616	0.000	0.616	12.238	0.008399465	0.166871199
-0.50	0.582	0.000	0.582	12.820	0.007935859	0.174807058
-0.25	0.558	0.000	0.558	13.378	0.007608607	0.182415664
0.00	0.621	0.000	0.621	13.999	0.008467643	0.190883307
0.25	0.771	0.000	0.771	14.770	0.010512967	0.201396275
0.50	0.803	0.000	0.803	15.573	0.010949303	0.212345578
0.75	1.038	0.005	1.033	16.606	0.014085467	0.226431045
1.00	1.649	0.031	1.618	18.224	0.022062232	0.248493278
1.25	2.158	0.053	2.105	20.329	0.028702719	0.277195997
1.50	2.615	0.200	2.415	22.744	0.032929723	0.310125719
1.75	4.308	0.659	3.649	26.393	0.049755925	0.359881644
2.00	4.789	1.051	3.738	30.131	0.050969484	0.410851128
2.25	5.962	1.321	4.641	34.772	0.063282337	0.474133464
2.50	6.934	1.072	5.862	40.634	0.079931277	0.554064741
2.75	6.882	0.717	6.165	46.799	0.084062832	0.638127574
3.00	9.452	1.887	7.565	54.364	0.103152527	0.741280100
3.25	11.468	5.586	5.882	60.246	0.080203987	0.821484087
3.50	19.015	9.187	9.828	70.074	0.134009654	0.955493741
3.75	6.029	4.035	1.994	72.068	0.027189179	0.982682920
4.00	1.328	0.593	0.735	72.803	0.010022090	0.992705010
PAN	0.703	0.168	0.535	73.338	0.007294990	1.0
<b>TOTAL WT.</b>				99.903	grams	
<b>CO3 WT</b>				73.338	grams	
<b>% CARBONATE</b>				73.409		

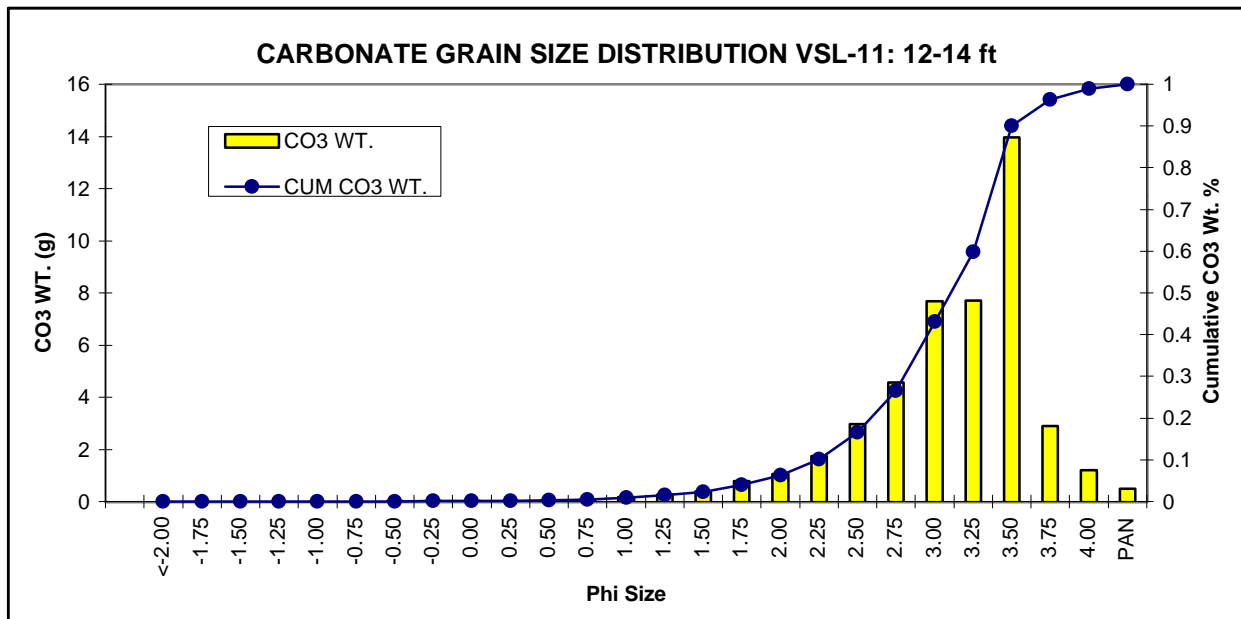


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-11 : 12-14 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	0.011	0.000	0.011	0.011	0.000238343	0.000238343
-1.25	0.000	0.000	0.000	0.011	0.000000000	0.000238343
-1.00	0.000	0.000	0.000	0.011	0.000000000	0.000238343
-0.75	0.004	0.000	0.004	0.015	0.000086670	0.000325013
-0.50	0.015	0.000	0.015	0.030	0.000325013	0.000650026
-0.25	0.017	0.000	0.017	0.047	0.000368348	0.001018374
0.00	0.027	0.000	0.027	0.074	0.000585023	0.001603397
0.25	0.029	0.000	0.029	0.103	0.000628358	0.002231756
0.50	0.053	0.000	0.053	0.156	0.001148379	0.003380135
0.75	0.085	0.003	0.082	0.238	0.001776738	0.005156873
1.00	0.166	0.002	0.164	0.402	0.003553475	0.008710348
1.25	0.279	0.002	0.277	0.679	0.006001907	0.014712255
1.50	0.406	0.011	0.395	1.074	0.008558676	0.023270931
1.75	0.832	0.040	0.792	1.866	0.017160686	0.040431617
2.00	1.156	0.095	1.061	2.927	0.022989253	0.063420870
2.25	1.900	0.152	1.748	4.675	0.037874848	0.101295718
2.50	3.172	0.199	2.973	7.648	0.064417577	0.165713295
2.75	4.912	0.338	4.574	12.222	0.099107298	0.264820593
3.00	9.324	1.653	7.671	19.893	0.166211648	0.431032241
3.25	14.495	6.792	7.703	27.596	0.166905010	0.597937251
3.50	28.584	14.619	13.965	41.561	0.302587103	0.900524354
3.75	10.665	7.772	2.893	44.454	0.062684174	0.963208528
4.00	2.772	1.575	1.197	45.651	0.025936037	0.989144566
PAN	0.838	0.337	0.501	46.152	0.010855434	1.0

<b>TOTAL WT.</b>	79.742	grams
<b>CO3 WT</b>	46.152	grams
<b>% CARBONATE</b>	57.877	

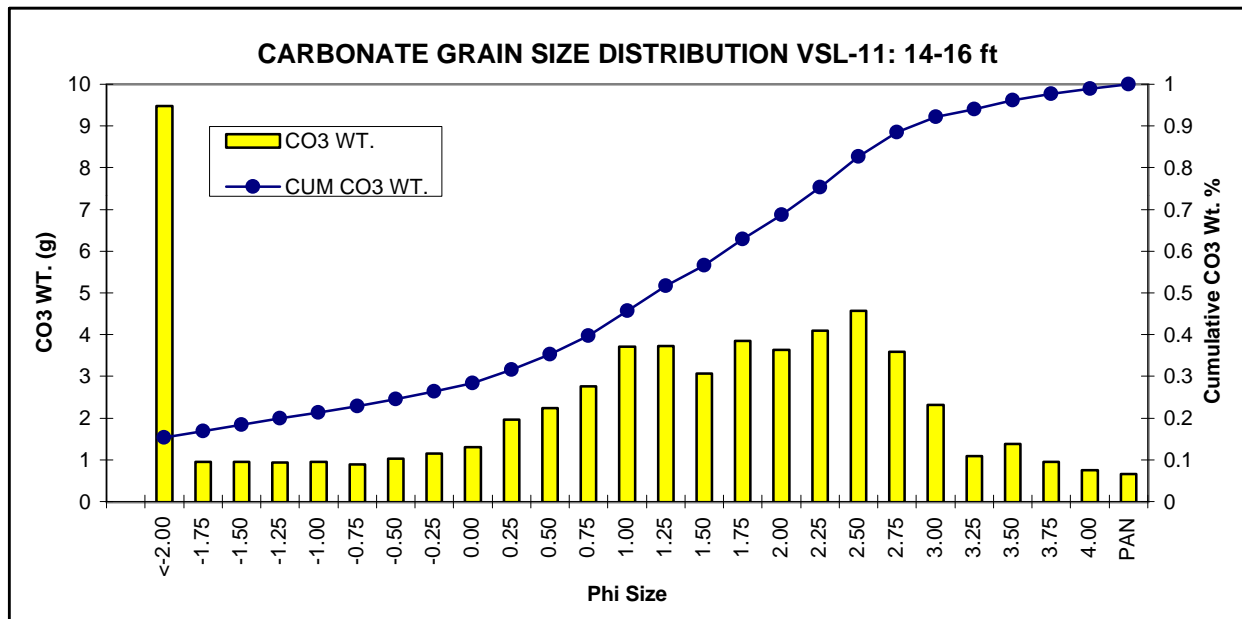


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-11 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	9.473	0.000	9.473	9.473	0.152935858	0.152935858
-1.75	0.954	0.000	0.954	10.427	0.015401753	0.168337612
-1.50	0.948	0.000	0.948	11.375	0.015304887	0.183642499
-1.25	0.930	0.000	0.930	12.305	0.015014288	0.198656786
-1.00	0.945	0.000	0.945	13.250	0.015256454	0.213913240
-0.75	0.883	0.000	0.883	14.133	0.014255501	0.228168741
-0.50	1.022	0.000	1.022	15.155	0.016499572	0.244668313
-0.25	1.153	0.000	1.153	16.308	0.018614488	0.263282801
0.00	1.308	0.000	1.308	17.616	0.021116869	0.284399671
0.25	1.965	0.000	1.965	19.581	0.031723737	0.316123408
0.50	2.244	0.003	2.241	21.822	0.036179590	0.352302998
0.75	2.776	0.022	2.754	24.576	0.044461665	0.396764663
1.00	3.822	0.110	3.712	28.288	0.059927996	0.456692659
1.25	3.991	0.270	3.721	32.009	0.060073296	0.516765955
1.50	3.528	0.466	3.062	35.071	0.049434139	0.566200094
1.75	4.810	0.964	3.846	38.917	0.062091345	0.628291439
2.00	4.870	1.237	3.633	42.550	0.058652589	0.686944027
2.25	5.341	1.252	4.089	46.639	0.066014433	0.752958460
2.50	5.652	1.088	4.564	51.203	0.073683021	0.826641481
2.75	4.147	0.561	3.586	54.789	0.057893802	0.884535284
3.00	2.735	0.412	2.323	57.112	0.037503431	0.922038714
3.25	1.677	0.583	1.094	58.206	0.017661969	0.939700683
3.50	2.334	0.950	1.384	59.590	0.022343843	0.962044526
3.75	2.159	1.213	0.946	60.536	0.015272598	0.977317124
4.00	1.514	0.763	0.751	61.287	0.012124441	0.989441565
PAN	1.032	0.378	0.654	61.941	0.010558435	1.0

<b>TOTAL WT.</b>	72.213	grams
<b>CO3 WT</b>	61.941	grams
<b>% CARBONATE</b>	85.775	





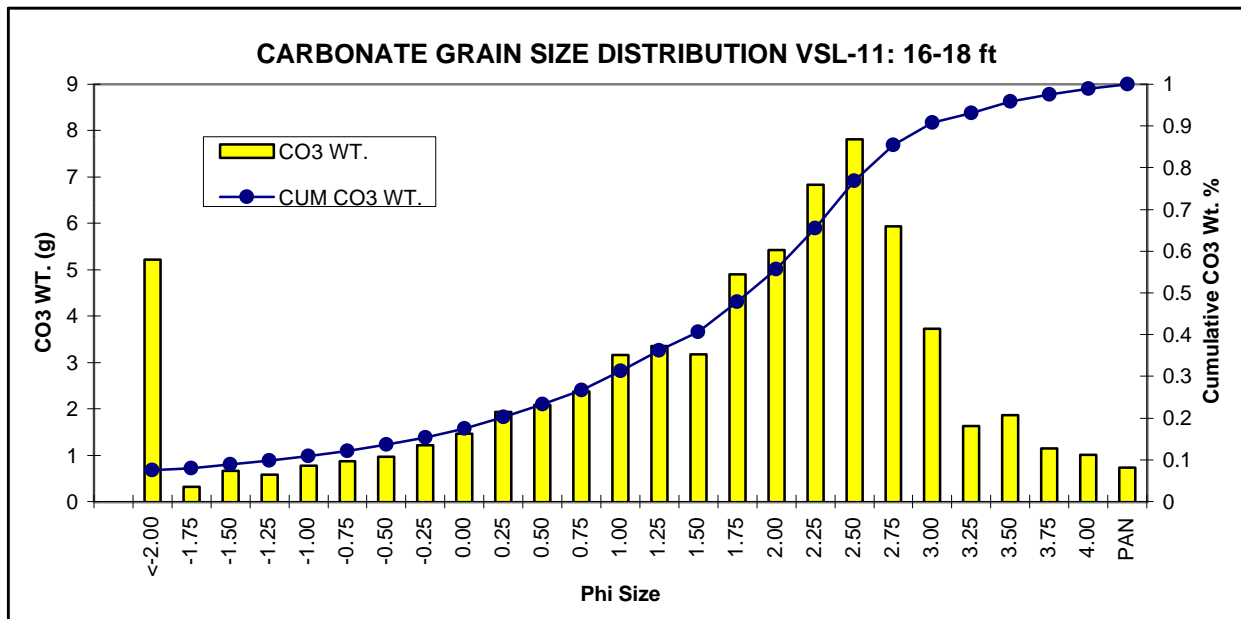
# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-11 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	5.219	0.000	5.219	5.219	0.075467060	0.075467060
-1.75	0.317	0.000	0.317	5.536	0.004583839	0.080050899
-1.50	0.656	0.000	0.656	6.192	0.009485800	0.089536700
-1.25	0.586	0.000	0.586	6.778	0.008473596	0.098010296
-1.00	0.778	0.000	0.778	7.556	0.011249928	0.109260223
-0.75	0.868	0.000	0.868	8.424	0.012551333	0.121811556
-0.50	0.965	0.000	0.965	9.389	0.013953959	0.135765516
-0.25	1.215	0.000	1.215	10.604	0.017568974	0.153334490
0.00	1.462	0.000	1.462	12.066	0.021140610	0.174475100
0.25	1.935	0.000	1.935	14.001	0.027980219	0.202455318
0.50	2.092	0.004	2.088	16.089	0.030192608	0.232647926
0.75	2.380	0.007	2.373	18.462	0.034313725	0.266961652
1.00	3.225	0.064	3.161	21.623	0.045708254	0.312669906
1.25	3.499	0.139	3.360	24.983	0.048585806	0.361255712
1.50	3.428	0.260	3.168	28.151	0.045809474	0.407065186
1.75	5.689	0.795	4.894	33.045	0.070767540	0.477832726
2.00	6.814	1.390	5.424	38.469	0.078431373	0.556264099
2.25	8.560	1.722	6.838	45.307	0.098877899	0.655141998
2.50	9.497	1.688	7.809	53.116	0.112918619	0.768060617
2.75	6.873	0.931	5.942	59.058	0.085921684	0.853982301
3.00	4.242	0.512	3.730	62.788	0.053936029	0.907918330
3.25	2.100	0.473	1.627	64.415	0.023526520	0.931444849
3.50	2.757	0.895	1.862	66.277	0.026924634	0.958369483
3.75	2.431	1.288	1.143	67.420	0.016527850	0.974897334
4.00	1.669	0.667	1.002	68.422	0.014488981	0.989386315
PAN	0.999	0.265	0.734	69.156	0.010613685	1.0

TOTAL WT.  
CO3 WT  
% CARBONATE

80.256 grams  
69.156 grams  
86.169

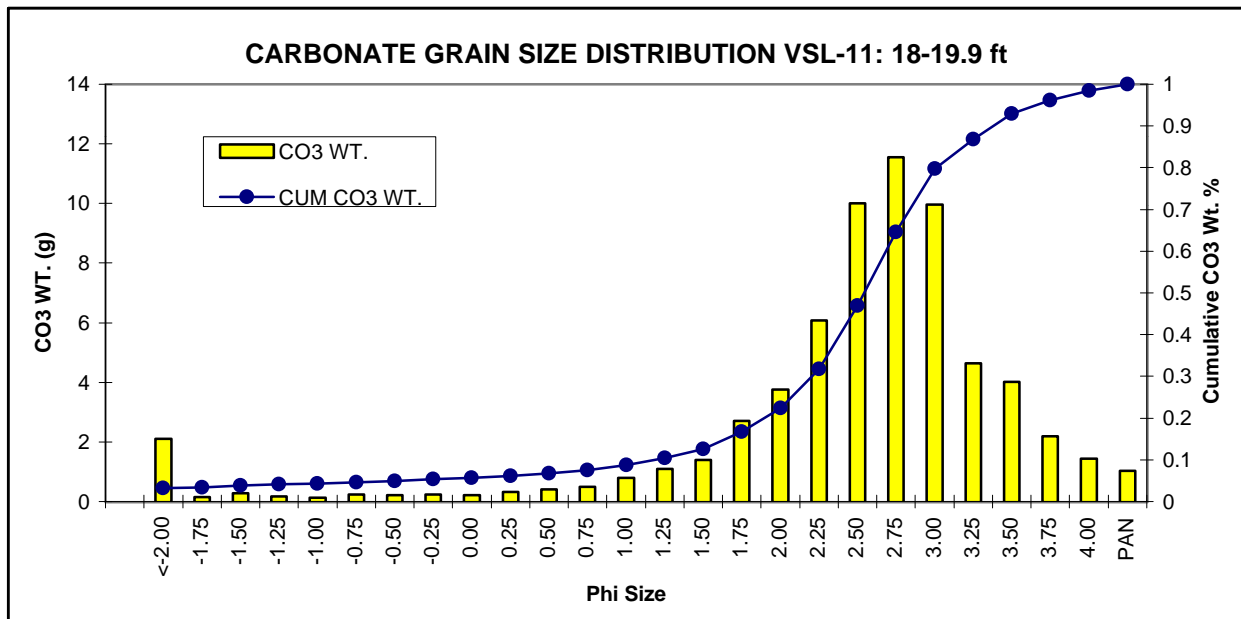


# CARBONATE GRAIN SIZE DISTRIBUTION

## CORE VSL-11 : 18-19.9 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CO3 WT.	CUM CO3 WT.	CO3 WT %	CUM CO3 WT. %
<-2.00	2.109	0.000	2.109	2.109	0.032121969	0.032121969
-1.75	0.143	0.000	0.143	2.252	0.002178019	0.034299988
-1.50	0.274	0.000	0.274	2.526	0.004173267	0.038473255
-1.25	0.162	0.000	0.162	2.688	0.002467406	0.040940660
-1.00	0.138	0.000	0.138	2.826	0.002101864	0.043042525
-0.75	0.231	0.000	0.231	3.057	0.003518338	0.046560863
-0.50	0.206	0.000	0.206	3.263	0.003137565	0.049698428
-0.25	0.246	0.000	0.246	3.509	0.003746802	0.053445230
0.00	0.223	0.000	0.223	3.732	0.003396491	0.056841720
0.25	0.331	0.000	0.331	4.063	0.005041428	0.061883149
0.50	0.412	0.000	0.412	4.475	0.006275131	0.068158280
0.75	0.505	0.006	0.499	4.974	0.007600219	0.075758499
1.00	0.820	0.015	0.805	5.779	0.012260875	0.088019374
1.25	1.138	0.033	1.105	6.884	0.016830145	0.104849519
1.50	1.467	0.072	1.395	8.279	0.021247106	0.126096625
1.75	2.937	0.222	2.715	10.994	0.041351895	0.167448520
2.00	4.126	0.377	3.749	14.743	0.057100646	0.224549165
2.25	6.711	0.637	6.074	20.817	0.092512489	0.317061655
2.50	11.156	1.141	10.015	30.832	0.152537468	0.469599123
2.75	12.946	1.389	11.557	42.389	0.176023517	0.645622639
3.00	11.228	1.268	9.960	52.349	0.151699768	0.797322408
3.25	5.728	1.095	4.633	56.982	0.070564762	0.867887169
3.50	5.801	1.791	4.010	60.992	0.061075911	0.928963080
3.75	4.863	2.667	2.196	63.188	0.033447057	0.962410138
4.00	3.192	1.748	1.444	64.632	0.021993420	0.984403558
PAN	1.746	0.722	1.024	65.656	0.015596442	1.0

<b>TOTAL WT.</b>	78.839	grams
<b>CO3 WT</b>	65.656	grams
<b>% CARBONATE</b>	83.279	

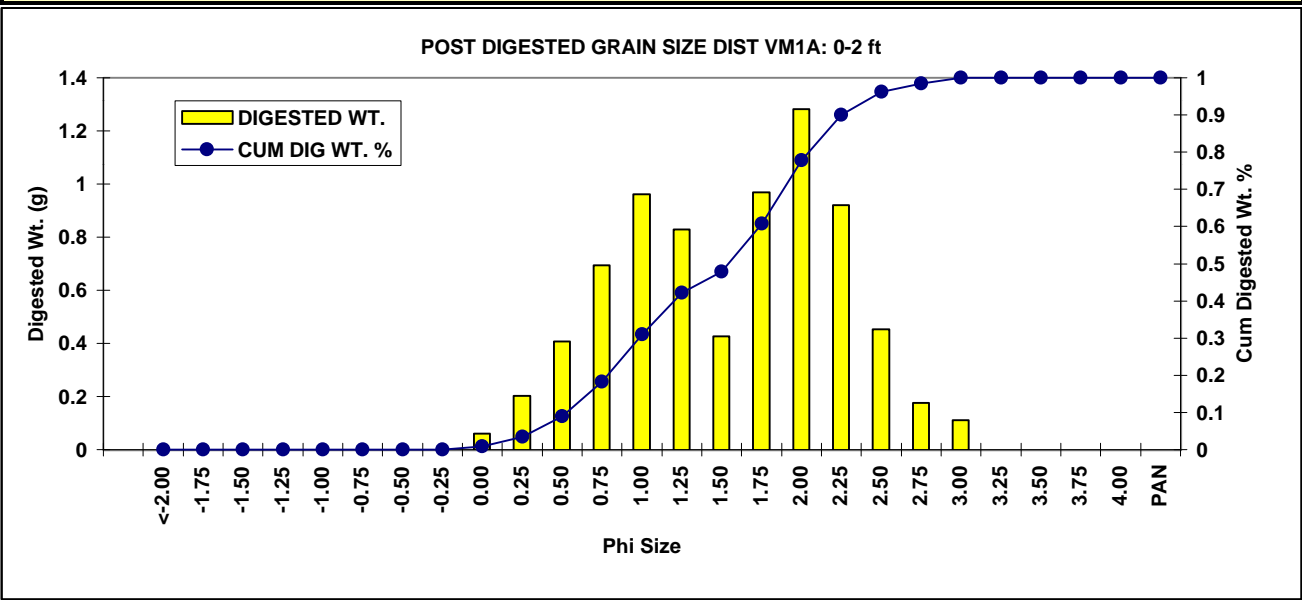


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM1A : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.303	0.000	0.000	0.000000000	0.000000000
-1.75	0.174	0.000	0.000	0.000000000	0.000000000
-1.50	0.239	0.000	0.000	0.000000000	0.000000000
-1.25	0.451	0.000	0.000	0.000000000	0.000000000
-1.00	1.124	0.000	0.000	0.000000000	0.000000000
-0.75	1.810	0.000	0.000	0.000000000	0.000000000
-0.50	3.840	0.000	0.000	0.000000000	0.000000000
-0.25	5.317	0.000	0.000	0.000000000	0.000000000
0.00	5.584	0.061	0.061	0.008137673	0.008137673
0.25	6.085	0.203	0.264	0.027081110	0.035218783
0.50	5.241	0.408	0.672	0.054429029	0.089647812
0.75	4.879	0.693	1.365	0.092449306	0.182097118
1.00	4.636	0.962	2.327	0.128335112	0.310432231
1.25	3.391	0.829	3.156	0.110592316	0.421024546
1.50	2.094	0.427	3.583	0.056963714	0.477988260
1.75	2.871	0.969	4.552	0.129268943	0.607257204
2.00	3.227	1.281	5.833	0.170891142	0.778148346
2.25	2.791	0.921	6.754	0.122865528	0.901013874
2.50	1.778	0.453	7.207	0.060432231	0.961446105
2.75	0.559	0.176	7.383	0.023479189	0.984925293
3.00	0.196	0.112	7.495	0.014941302	0.999866596
3.25	0.031	0.000	7.495	0.000000000	0.999866596
3.50	0.079	0.000	7.495	0.000000000	0.999866596
3.75	0.051	0.000	7.495	0.000000000	0.999866596
4.00	0.032	0.000	7.495	0.000000000	0.999866596
PAN	0.032	0.001	7.496	0.000133404	1.0

<b>TOTAL WT.</b>	57.815	grams
<b>DIGESTED WT.</b>	7.496	grams
<b>% SILICA</b>	12.965	

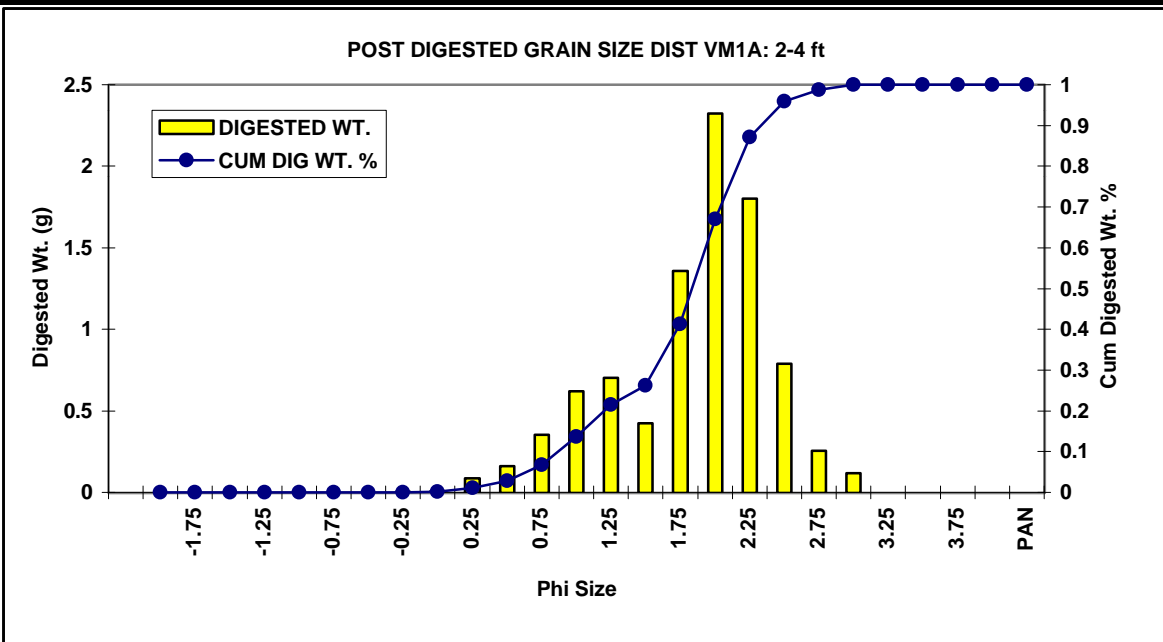


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM1A : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.303	0.000	0.000	0.000000000	0.000000000
-1.75	0.209	0.000	0.000	0.000000000	0.000000000
-1.50	0.199	0.000	0.000	0.000000000	0.000000000
-1.25	0.170	0.000	0.000	0.000000000	0.000000000
-1.00	0.224	0.000	0.000	0.000000000	0.000000000
-0.75	0.492	0.000	0.000	0.000000000	0.000000000
-0.50	1.090	0.000	0.000	0.000000000	0.000000000
-0.25	1.705	0.005	0.005	0.000555741	0.000555741
0.00	1.196	0.007	0.012	0.000778037	0.001333778
0.25	2.928	0.086	0.098	0.009558742	0.010892520
0.50	2.900	0.159	0.257	0.017672558	0.028565077
0.75	3.234	0.352	0.609	0.039124152	0.067689230
1.00	3.692	0.620	1.229	0.068911860	0.136601089
1.25	3.235	0.701	1.930	0.077914861	0.214515950
1.50	2.769	0.422	2.352	0.046904524	0.261420473
1.75	4.403	1.358	3.710	0.150939202	0.412359675
2.00	5.642	2.323	6.033	0.258197177	0.670556852
2.25	5.274	1.802	7.835	0.200288985	0.870845838
2.50	3.348	0.789	8.624	0.087695899	0.958541736
2.75	0.940	0.254	8.878	0.028231633	0.986773369
3.00	0.241	0.119	8.997	0.013226631	1.000000000
3.25	0.030	0.000	8.997	0.000000000	1.000000000
3.50	0.074	0.000	8.997	0.000000000	1.000000000
3.75	0.022	0.000	8.997	0.000000000	1.000000000
4.00	0.016	0.000	8.997	0.000000000	1.000000000
PAN	0.027	0.000	8.997	0.000000000	1.0

<b>TOTAL WT.</b>	44.363	grams
<b>DIGESTED WT.</b>	8.997	grams
<b>% SILICA</b>	20.280	

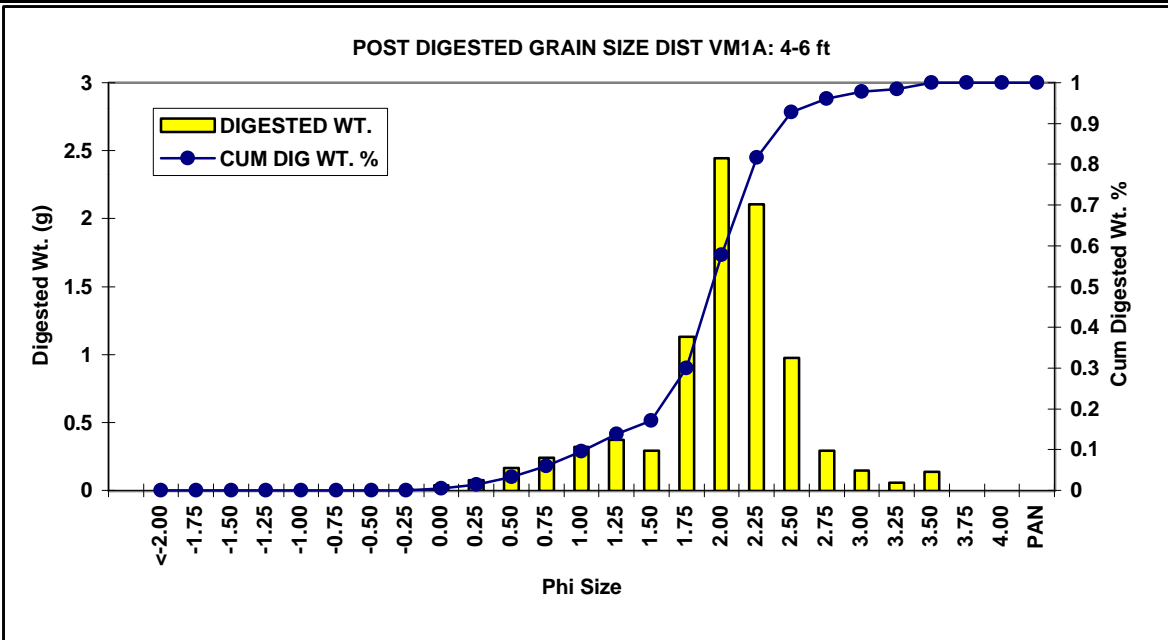


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM1A : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.288	0.000	0.000	0.000000000	0.000000000
-1.75	0.440	0.000	0.000	0.000000000	0.000000000
-1.50	0.601	0.000	0.000	0.000000000	0.000000000
-1.25	0.358	0.000	0.000	0.000000000	0.000000000
-1.00	0.702	0.000	0.000	0.000000000	0.000000000
-0.75	0.709	0.000	0.000	0.000000000	0.000000000
-0.50	1.390	0.001	0.001	0.000113727	0.000113727
-0.25	2.350	0.004	0.005	0.000454907	0.000568634
0.00	2.758	0.039	0.044	0.004435346	0.005003980
0.25	3.155	0.077	0.121	0.008756966	0.013760946
0.50	2.657	0.166	0.287	0.018878653	0.032639600
0.75	2.484	0.239	0.526	0.027180712	0.059820312
1.00	2.534	0.319	0.845	0.036278858	0.096099170
1.25	2.260	0.371	1.216	0.042192653	0.138291823
1.50	2.211	0.291	1.507	0.033094507	0.171386330
1.75	4.150	1.129	2.636	0.128397589	0.299783919
2.00	5.764	2.444	5.080	0.277948368	0.577732287
2.25	6.238	2.104	7.184	0.239281246	0.817013533
2.50	4.476	0.977	8.161	0.111111111	0.928124645
2.75	1.450	0.293	8.454	0.033321961	0.961446605
3.00	0.403	0.146	8.600	0.016604117	0.978050722
3.25	0.055	0.055	8.655	0.006254976	0.984305698
3.50	0.179	0.138	8.793	0.015694302	1.000000000
3.75	0.093	0.000	8.793	0.000000000	1.000000000
4.00	0.070	0.000	8.793	0.000000000	1.000000000
PAN	0.049	0.000	8.793	0.000000000	1.0

TOTAL WT. 48.824 grams  
 DIGESTED WT. 8.793 grams  
 % SILICA 18.010

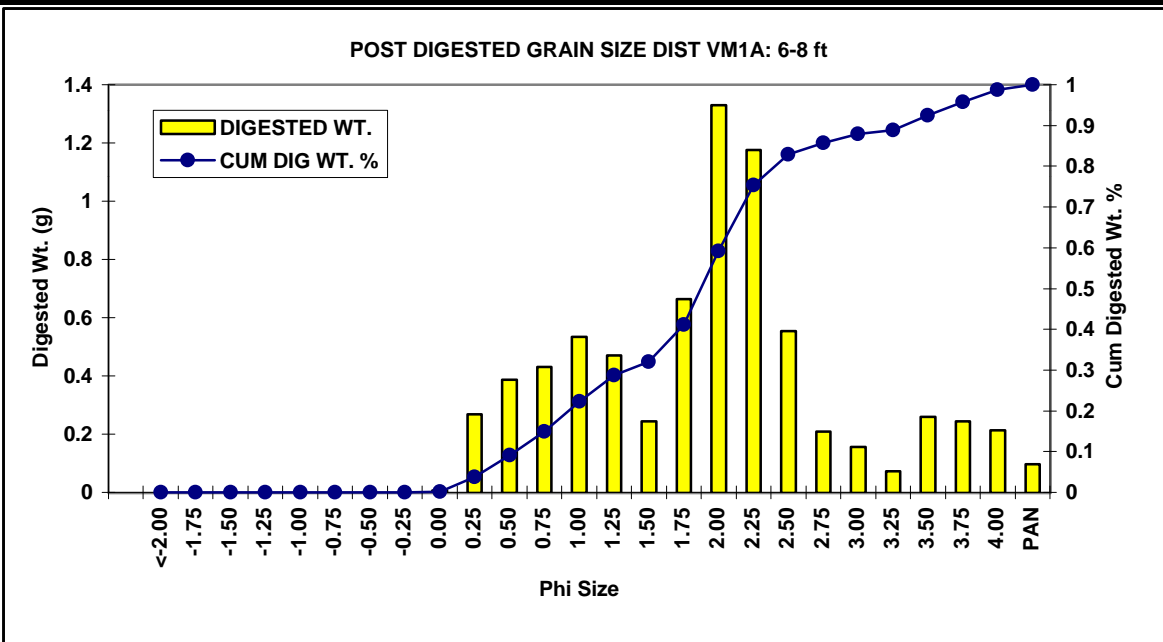


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM1A : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	8.358	0.000	0.000	0.000000000	0.000000000
-1.75	1.641	0.000	0.000	0.000000000	0.000000000
-1.50	1.945	0.000	0.000	0.000000000	0.000000000
-1.25	2.121	0.000	0.000	0.000000000	0.000000000
-1.00	2.109	0.000	0.000	0.000000000	0.000000000
-0.75	2.841	0.000	0.000	0.000000000	0.000000000
-0.50	3.802	0.000	0.000	0.000000000	0.000000000
-0.25	5.748	0.000	0.000	0.000000000	0.000000000
0.00	7.072	0.006	0.006	0.000820457	0.000820457
0.25	8.096	0.269	0.275	0.036783810	0.037604266
0.50	5.746	0.386	0.661	0.052782716	0.090386982
0.75	4.526	0.431	1.092	0.058936141	0.149323123
1.00	3.738	0.534	1.626	0.073020648	0.222343771
1.25	2.780	0.470	2.096	0.064269110	0.286612881
1.50	1.814	0.243	2.339	0.033228497	0.319841378
1.75	2.630	0.664	3.003	0.090797210	0.410638589
2.00	3.505	1.329	4.332	0.181731164	0.592369752
2.25	3.707	1.176	5.508	0.160809517	0.753179270
2.50	2.784	0.554	6.062	0.075755504	0.828934774
2.75	1.156	0.209	6.271	0.028579242	0.857514016
3.00	0.521	0.155	6.426	0.021195132	0.878709148
3.25	0.149	0.073	6.499	0.009982223	0.888691372
3.50	0.418	0.259	6.758	0.035416382	0.924107753
3.75	0.361	0.245	7.003	0.033501983	0.957609736
4.00	0.307	0.214	7.217	0.029262956	0.986872692
PAN	0.174	0.096	7.313	0.013127308	1.0

TOTAL WT. 78.049 grams  
 DIGESTED WT. 7.313 grams  
 % SILICA 9.370

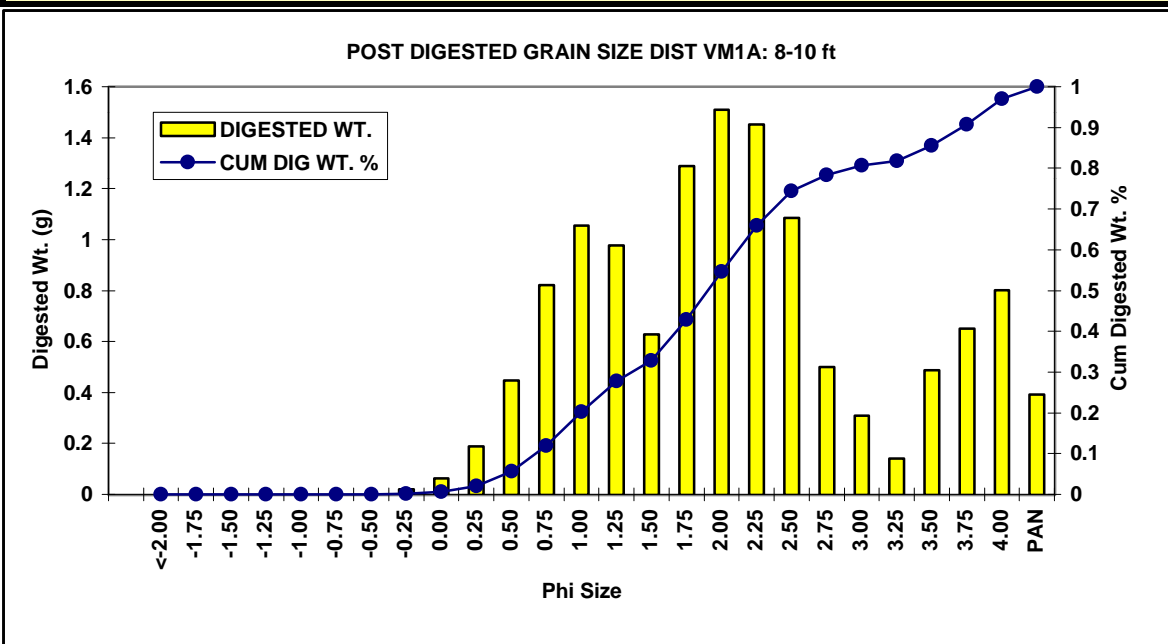


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM1A : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	10.651	0.000	0.000	0.000000000	0.000000000
-1.75	1.266	0.000	0.000	0.000000000	0.000000000
-1.50	0.735	0.000	0.000	0.000000000	0.000000000
-1.25	0.649	0.000	0.000	0.000000000	0.000000000
-1.00	0.686	0.000	0.000	0.000000000	0.000000000
-0.75	0.704	0.000	0.000	0.000000000	0.000000000
-0.50	1.152	0.000	0.000	0.000000000	0.000000000
-0.25	1.778	0.019	0.019	0.001483100	0.001483100
0.00	2.916	0.063	0.082	0.004917649	0.006400749
0.25	5.099	0.188	0.270	0.014674889	0.021075638
0.50	6.028	0.447	0.717	0.034891890	0.055967528
0.75	6.801	0.821	1.538	0.064085551	0.120053079
1.00	7.124	1.054	2.592	0.082273047	0.202326126
1.25	6.023	0.977	3.569	0.076262587	0.278588713
1.50	4.110	0.628	4.197	0.049020373	0.327609086
1.75	4.748	1.288	5.485	0.100538600	0.428147686
2.00	4.603	1.509	6.994	0.117789400	0.545937085
2.25	4.862	1.452	8.446	0.113340098	0.659277184
2.50	5.130	1.085	9.531	0.084692842	0.743970026
2.75	3.385	0.499	10.030	0.038950902	0.782920927
3.00	1.600	0.308	10.338	0.024041839	0.806962766
3.25	0.476	0.140	10.478	0.010928109	0.817890875
3.50	0.860	0.488	10.966	0.038092264	0.855983139
3.75	0.915	0.651	11.617	0.050815705	0.906798845
4.00	1.051	0.802	12.419	0.062602451	0.969401296
PAN	0.717	0.392	12.811	0.030598704	1.0

TOTAL WT. 84.069 grams  
 DIGESTED WT. 12.811 grams  
 % SILICA 15.239

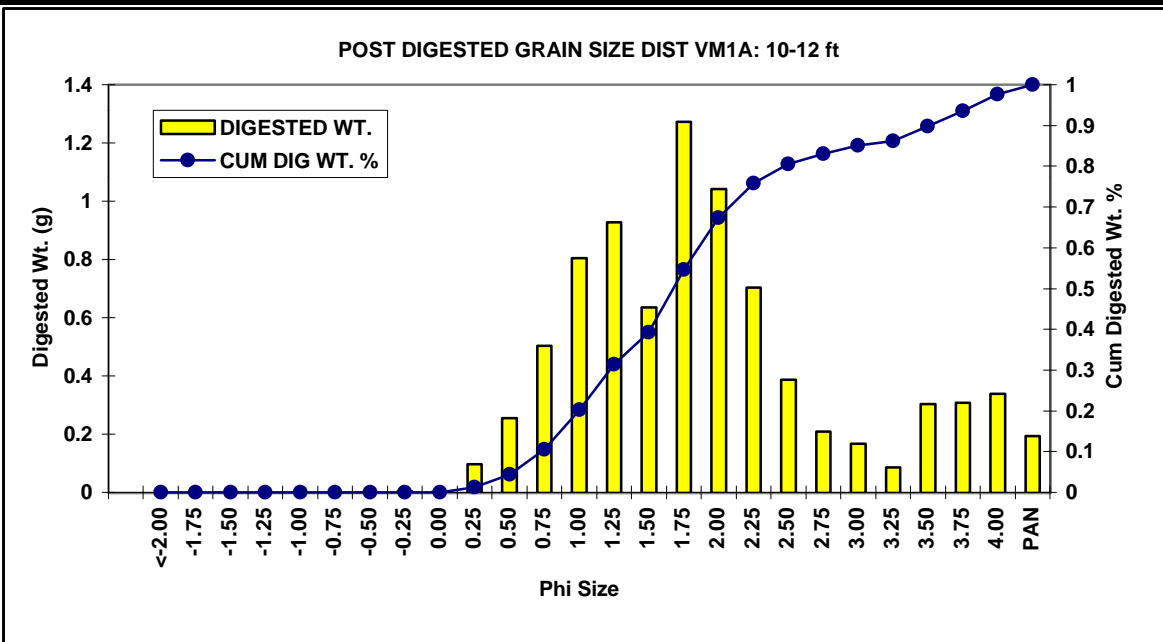


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM1A : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.049	0.000	0.000	0.000000000	0.000000000
-1.75	0.225	0.000	0.000	0.000000000	0.000000000
-1.50	0.107	0.000	0.000	0.000000000	0.000000000
-1.25	0.220	0.000	0.000	0.000000000	0.000000000
-1.00	0.491	0.000	0.000	0.000000000	0.000000000
-0.75	0.523	0.000	0.000	0.000000000	0.000000000
-0.50	0.910	0.000	0.000	0.000000000	0.000000000
-0.25	1.555	0.004	0.004	0.000485791	0.000485791
0.00	2.347	0.002	0.006	0.000242895	0.000728686
0.25	3.726	0.096	0.102	0.011658975	0.012387661
0.50	4.047	0.254	0.356	0.030847705	0.043235366
0.75	4.741	0.504	0.860	0.061209619	0.104444984
1.00	5.306	0.804	1.664	0.097643915	0.202088900
1.25	5.127	0.927	2.591	0.112581977	0.314670877
1.50	4.016	0.635	3.226	0.077119262	0.391790138
1.75	4.865	1.273	4.499	0.154602866	0.546393005
2.00	3.828	1.042	5.541	0.126548458	0.672941462
2.25	2.946	0.704	6.245	0.085499150	0.758440612
2.50	2.067	0.386	6.631	0.046878795	0.805319407
2.75	1.251	0.208	6.839	0.025261112	0.830580520
3.00	0.752	0.166	7.005	0.020160311	0.850740831
3.25	0.242	0.086	7.091	0.010444498	0.861185329
3.50	0.556	0.304	7.395	0.036920087	0.898105417
3.75	0.399	0.308	7.703	0.037405878	0.935511295
4.00	0.438	0.338	8.041	0.041049308	0.976560602
PAN	0.247	0.193	8.234	0.023439398	1.0

TOTAL WT. 50.981 grams  
 DIGESTED WT. 8.234 grams  
 % SILICA 16.151



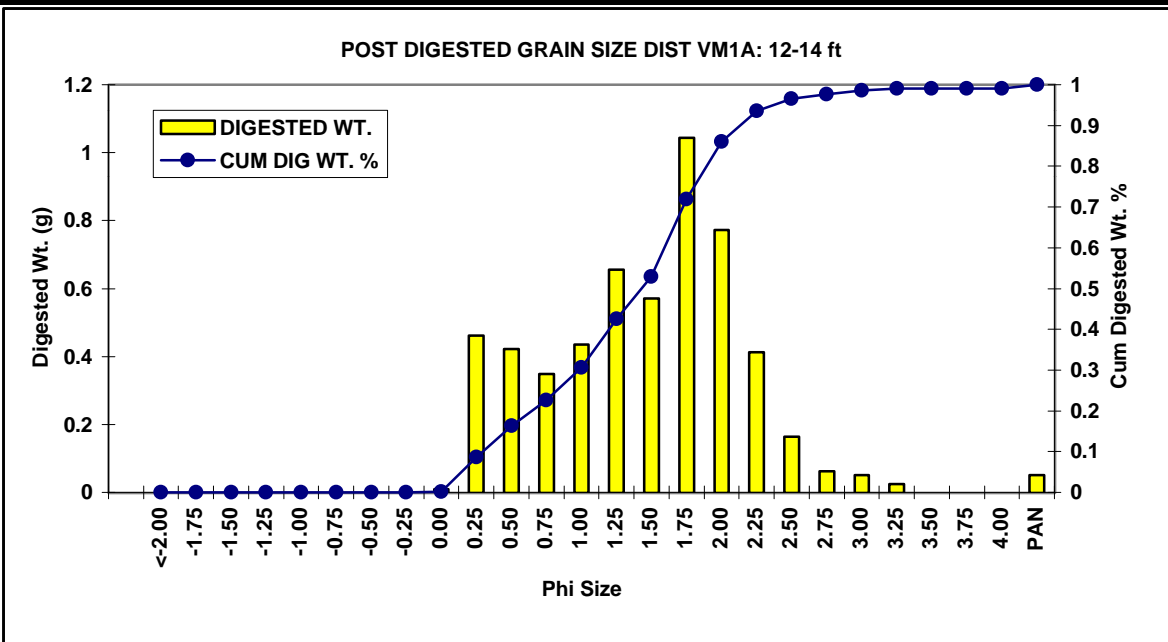


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM1A : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.062	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.026	0.000	0.000	0.000000000	0.000000000
-1.25	0.069	0.000	0.000	0.000000000	0.000000000
-1.00	0.159	0.000	0.000	0.000000000	0.000000000
-0.75	0.578	0.000	0.000	0.000000000	0.000000000
-0.50	1.767	0.000	0.000	0.000000000	0.000000000
-0.25	4.404	0.000	0.000	0.000000000	0.000000000
0.00	6.886	0.009	0.009	0.001641138	0.001641138
0.25	8.993	0.462	0.471	0.084245077	0.085886214
0.50	6.693	0.422	0.893	0.076951131	0.162837345
0.75	4.671	0.348	1.241	0.063457330	0.226294675
1.00	4.046	0.435	1.676	0.079321663	0.305616338
1.25	3.808	0.656	2.332	0.119620715	0.425237053
1.50	3.240	0.570	2.902	0.103938731	0.529175784
1.75	4.439	1.043	3.945	0.190189643	0.719365427
2.00	3.318	0.773	4.718	0.140955507	0.860320934
2.25	2.060	0.413	5.131	0.075309993	0.935630926
2.50	1.046	0.163	5.294	0.029722830	0.965353756
2.75	0.353	0.063	5.357	0.011487965	0.976841721
3.00	0.155	0.051	5.408	0.009299781	0.986141503
3.25	0.025	0.025	5.433	0.004558716	0.990700219
3.50	0.090	0.000	5.433	0.000000000	0.990700219
3.75	0.042	0.000	5.433	0.000000000	0.990700219
4.00	0.035	0.000	5.433	0.000000000	0.990700219
PAN	0.068	0.051	5.484	0.009299781	1.0

TOTAL WT. 57.033 grams  
 DIGESTED WT. 5.484 grams  
 % SILICA 9.615

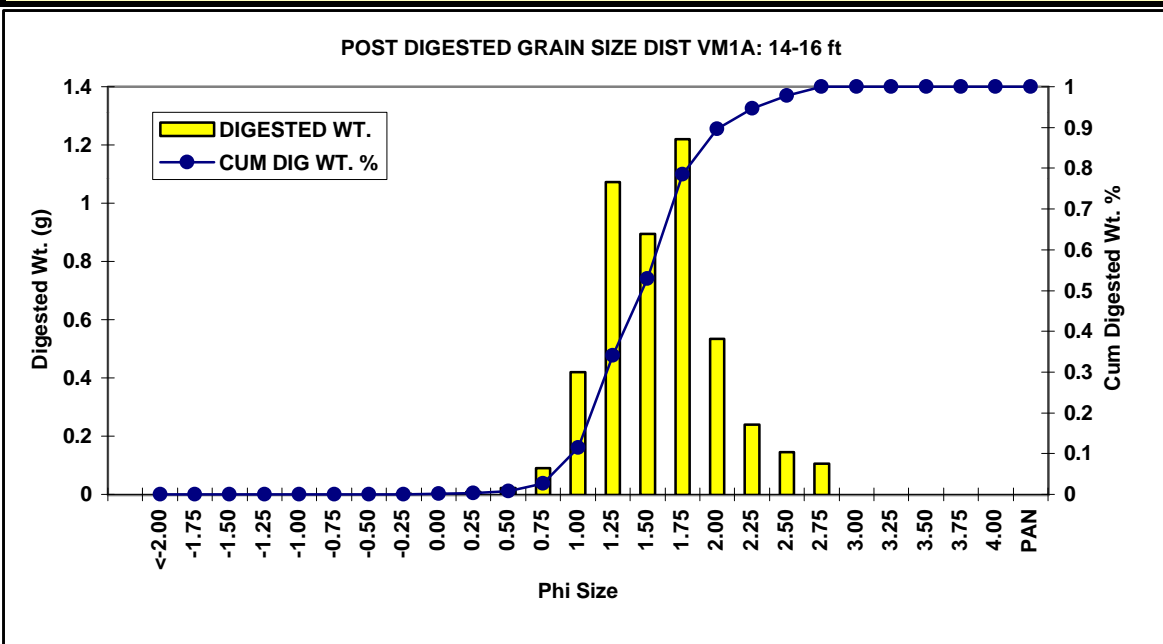


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM1A : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.072	0.000	0.000	0.000000000	0.000000000
-1.00	0.257	0.000	0.000	0.000000000	0.000000000
-0.75	0.651	0.000	0.000	0.000000000	0.000000000
-0.50	1.569	0.000	0.000	0.000000000	0.000000000
-0.25	1.917	0.003	0.003	0.000631180	0.000631180
0.00	1.864	0.002	0.005	0.000420787	0.001051967
0.25	2.298	0.008	0.013	0.001683147	0.002735115
0.50	2.179	0.022	0.035	0.004628656	0.007363770
0.75	2.772	0.090	0.125	0.018935409	0.026299179
1.00	5.250	0.419	0.544	0.088154850	0.114454029
1.25	10.298	1.073	1.617	0.225752157	0.340206186
1.50	11.500	0.894	2.511	0.188091732	0.528297917
1.75	14.185	1.220	3.731	0.256679992	0.784977909
2.00	6.011	0.533	4.264	0.112139701	0.897117610
2.25	1.732	0.239	4.503	0.050284031	0.947401641
2.50	0.458	0.144	4.647	0.030296655	0.977698296
2.75	0.148	0.106	4.753	0.022301704	1.000000000
3.00	0.075	0.000	4.753	0.000000000	1.000000000
3.25	0.012	0.000	4.753	0.000000000	1.000000000
3.50	0.056	0.000	4.753	0.000000000	1.000000000
3.75	0.030	0.000	4.753	0.000000000	1.000000000
4.00	0.034	0.000	4.753	0.000000000	1.000000000
PAN	0.066	0.000	4.753	0.000000000	1.0

**TOTAL WT.** 63.434 grams  
**DIGESTED WT.** 4.753 grams  
**% SILICA** 7.493

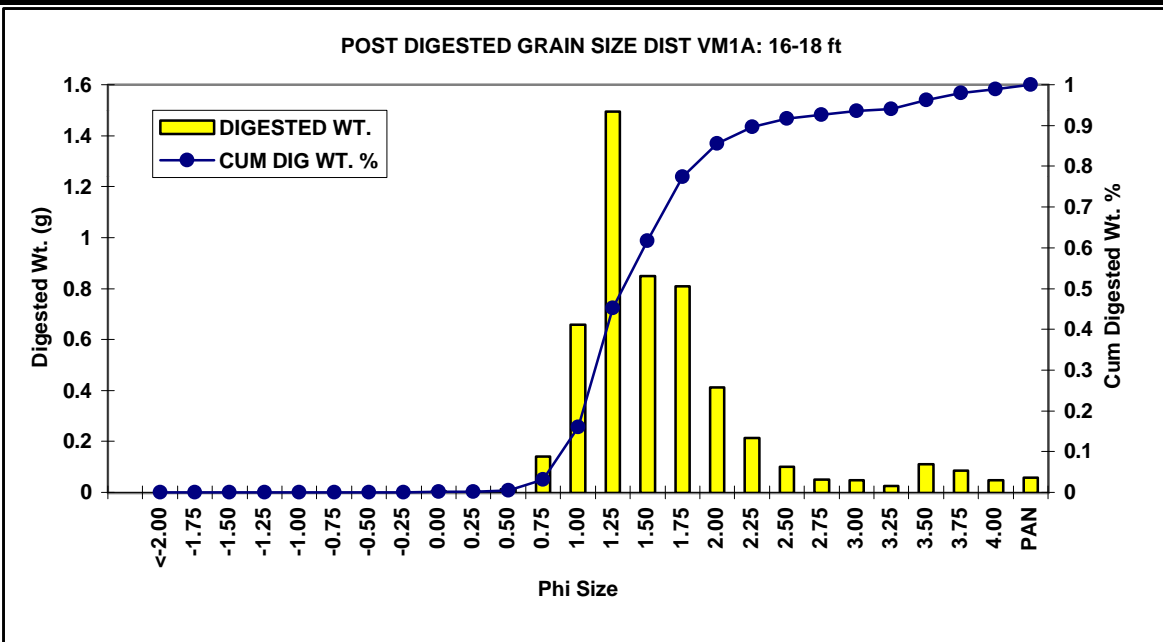


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM1A : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.199	0.000	0.000	0.000000000	0.000000000
-1.75	0.329	0.000	0.000	0.000000000	0.000000000
-1.50	0.416	0.000	0.000	0.000000000	0.000000000
-1.25	1.151	0.000	0.000	0.000000000	0.000000000
-1.00	1.541	0.000	0.000	0.000000000	0.000000000
-0.75	1.879	0.000	0.000	0.000000000	0.000000000
-0.50	1.994	0.000	0.000	0.000000000	0.000000000
-0.25	2.026	0.000	0.000	0.000000000	0.000000000
0.00	1.817	0.005	0.005	0.000975419	0.000975419
0.25	2.067	0.003	0.008	0.000585252	0.001560671
0.50	2.151	0.013	0.021	0.002536091	0.004096762
0.75	3.365	0.141	0.162	0.027506828	0.031603590
1.00	6.536	0.657	0.819	0.128170113	0.159773703
1.25	8.771	1.495	2.314	0.291650410	0.451424112
1.50	5.603	0.848	3.162	0.165431135	0.616855248
1.75	3.876	0.809	3.971	0.157822864	0.774678112
2.00	2.116	0.413	4.384	0.080569645	0.855247757
2.25	1.314	0.213	4.597	0.041552868	0.896800624
2.50	0.860	0.101	4.698	0.019703472	0.916504097
2.75	0.444	0.051	4.749	0.009949278	0.926453375
3.00	0.341	0.048	4.797	0.009364027	0.935817401
3.25	0.117	0.026	4.823	0.005072181	0.940889583
3.50	0.315	0.111	4.934	0.021654311	0.962543894
3.75	0.169	0.085	5.019	0.016582130	0.979126024
4.00	0.157	0.048	5.067	0.009364027	0.988490051
PAN	0.134	0.059	5.126	0.011509949	1.0

<b>TOTAL WT.</b>	49.688	grams
<b>DIGESTED WT.</b>	5.126	grams
<b>% SILICA</b>	10.316	

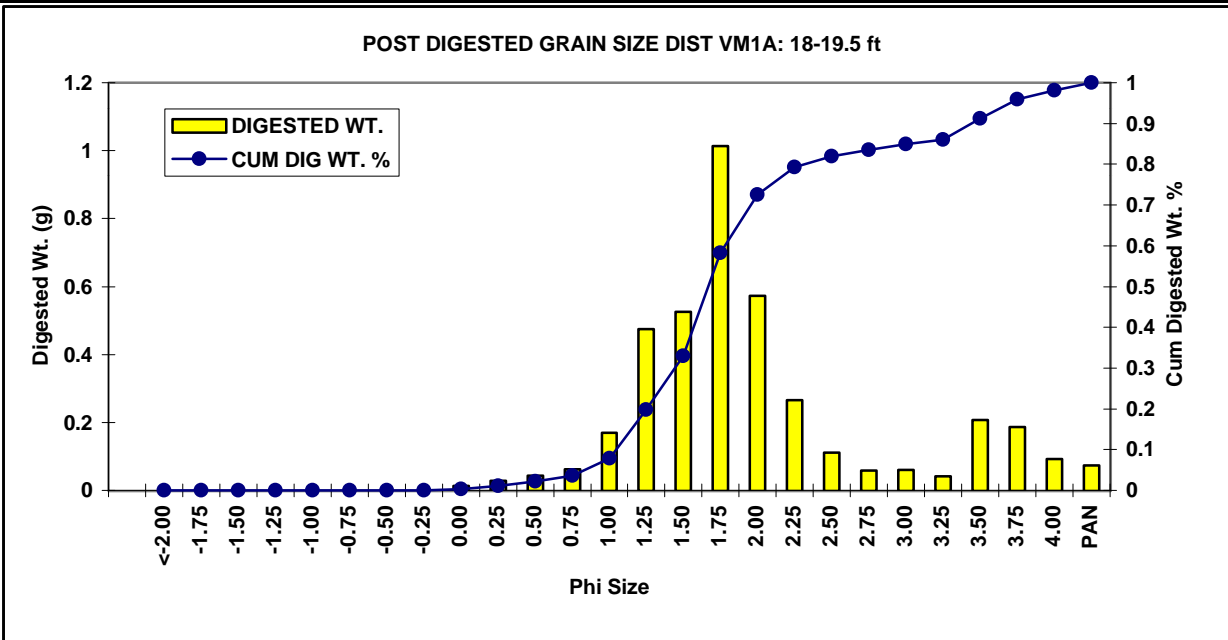


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM1A : 18-19.5 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.276	0.000	0.000	0.000000000	0.000000000
-1.75	0.486	0.000	0.000	0.000000000	0.000000000
-1.50	0.676	0.000	0.000	0.000000000	0.000000000
-1.25	0.843	0.000	0.000	0.000000000	0.000000000
-1.00	0.916	0.000	0.000	0.000000000	0.000000000
-0.75	1.226	0.000	0.000	0.000000000	0.000000000
-0.50	1.516	0.000	0.000	0.000000000	0.000000000
-0.25	1.854	0.000	0.000	0.000000000	0.000000000
0.00	1.922	0.014	0.014	0.003499125	0.003499125
0.25	2.206	0.028	0.042	0.006998250	0.010497376
0.50	1.901	0.043	0.085	0.010747313	0.021244689
0.75	1.973	0.062	0.147	0.015496126	0.036740815
1.00	2.769	0.169	0.316	0.042239440	0.078980255
1.25	4.594	0.475	0.791	0.118720320	0.197700575
1.50	6.225	0.526	1.317	0.131467133	0.329167708
1.75	12.203	1.014	2.331	0.253436641	0.582604349
2.00	7.823	0.572	2.903	0.142964259	0.725568608
2.25	3.216	0.266	3.169	0.066483379	0.792051987
2.50	1.187	0.111	3.280	0.027743064	0.819795051
2.75	0.458	0.059	3.339	0.014746313	0.834541365
3.00	0.359	0.060	3.399	0.014996251	0.849537616
3.25	0.139	0.042	3.441	0.010497376	0.860034991
3.50	0.328	0.207	3.648	0.051737066	0.911772057
3.75	0.220	0.187	3.835	0.046738315	0.958510372
4.00	0.199	0.092	3.927	0.022994251	0.981504624
PAN	0.233	0.074	4.001	0.018495376	1.0

**TOTAL WT.** 56.748 grams  
**DIGESTED WT.** 4.001 grams  
**% SILICA** 7.050

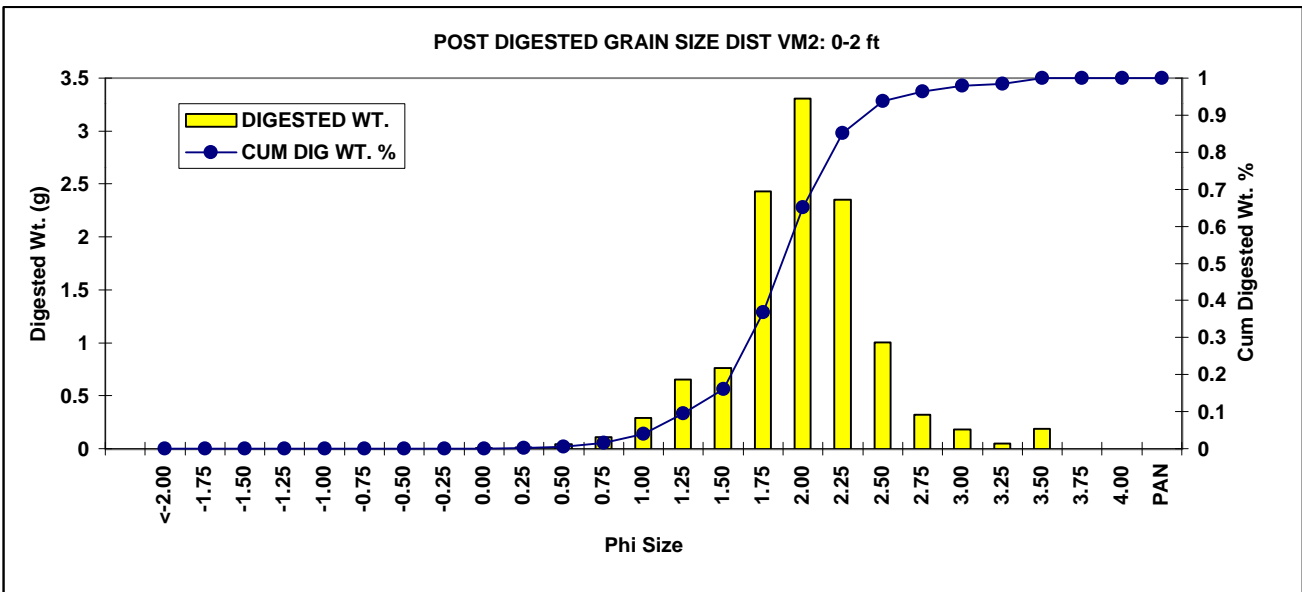


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

**CORE VM2 : 0-2 ft**

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.219	0.000	0.000	0.000000000	0.000000000
-1.75	0.089	0.000	0.000	0.000000000	0.000000000
-1.50	0.088	0.000	0.000	0.000000000	0.000000000
-1.25	0.123	0.000	0.000	0.000000000	0.000000000
-1.00	0.485	0.000	0.000	0.000000000	0.000000000
-0.75	0.418	0.000	0.000	0.000000000	0.000000000
-0.50	0.874	0.000	0.000	0.000000000	0.000000000
-0.25	1.051	0.000	0.000	0.000000000	0.000000000
0.00	1.139	0.005	0.005	0.000427022	0.000427022
0.25	1.757	0.015	0.020	0.001281066	0.001708088
0.50	1.952	0.043	0.063	0.003672389	0.005380477
0.75	2.306	0.111	0.174	0.009479887	0.014860364
1.00	3.407	0.291	0.465	0.024852677	0.039713041
1.25	4.293	0.652	1.117	0.055683662	0.095396703
1.50	4.573	0.759	1.876	0.064821932	0.160218635
1.75	6.980	2.431	4.307	0.207618072	0.367836707
2.00	7.782	3.308	7.615	0.282517721	0.650354428
2.25	6.610	2.350	9.965	0.200700316	0.851054744
2.50	3.826	1.006	10.971	0.085916816	0.936971560
2.75	1.196	0.319	11.290	0.027244000	0.964215561
3.00	0.425	0.183	11.473	0.015629003	0.979844564
3.25	0.078	0.050	11.523	0.004270219	0.984114783
3.50	0.205	0.186	11.709	0.015885217	1.000000000
3.75	0.105	0.000	11.709	0.000000000	1.000000000
4.00	0.055	0.000	11.709	0.000000000	1.000000000
PAN	0.037	0.000	11.709	0.000000000	1.0

<b>TOTAL WT.</b>	50.073	grams
<b>DIGESTED WT.</b>	11.709	grams
<b>% SILICA</b>	23.384	

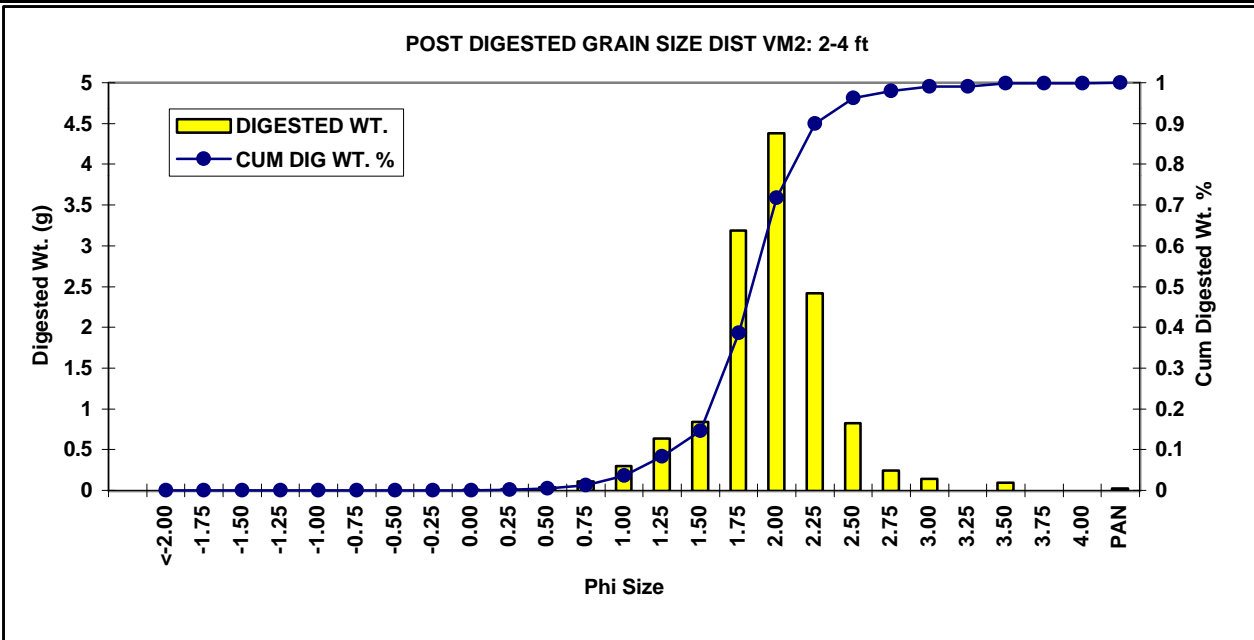


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM2 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.115	0.000	0.000	0.000000000	0.000000000
-1.50	0.189	0.000	0.000	0.000000000	0.000000000
-1.25	0.229	0.000	0.000	0.000000000	0.000000000
-1.00	0.304	0.000	0.000	0.000000000	0.000000000
-0.75	0.563	0.000	0.000	0.000000000	0.000000000
-0.50	0.903	0.000	0.000	0.000000000	0.000000000
-0.25	1.285	0.000	0.000	0.000000000	0.000000000
0.00	1.380	0.006	0.006	0.000453035	0.000453035
0.25	2.065	0.017	0.023	0.001283600	0.001736635
0.50	2.233	0.041	0.064	0.003095741	0.004832377
0.75	2.736	0.108	0.172	0.008154636	0.012987013
1.00	3.882	0.296	0.468	0.022349743	0.035336756
1.25	4.822	0.632	1.100	0.047719722	0.083056478
1.50	5.237	0.836	1.936	0.063122924	0.146179402
1.75	8.285	3.185	5.121	0.240486258	0.386665660
2.00	9.344	4.376	9.497	0.330413772	0.717079432
2.25	7.988	2.416	11.913	0.182422229	0.899501661
2.50	4.319	0.827	12.740	0.062443371	0.961945032
2.75	1.127	0.243	12.983	0.018347931	0.980292963
3.00	0.316	0.143	13.126	0.010797342	0.991090305
3.25	0.054	0.000	13.126	0.000000000	0.991090305
3.50	0.124	0.098	13.224	0.007399577	0.998489882
3.75	0.073	0.000	13.224	0.000000000	0.998489882
4.00	0.046	0.000	13.224	0.000000000	0.998489882
PAN	0.040	0.020	13.244	0.001510118	1.0

TOTAL WT. 57.659 grams  
 DIGESTED WT. 13.244 grams  
 % SILICA 22.970

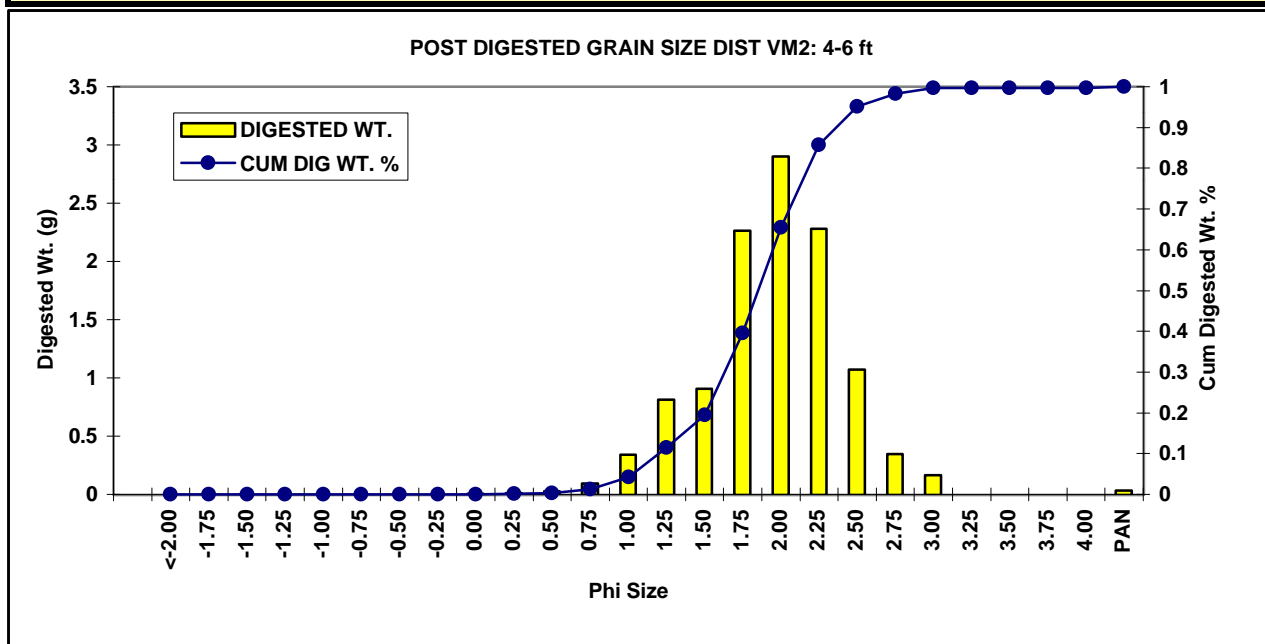


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VM2 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.013	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.178	0.000	0.000	0.000000000	0.000000000
-1.00	0.260	0.000	0.000	0.000000000	0.000000000
-0.75	0.340	0.000	0.000	0.000000000	0.000000000
-0.50	0.644	0.000	0.000	0.000000000	0.000000000
-0.25	0.983	0.000	0.000	0.000000000	0.000000000
0.00	1.190	0.005	0.005	0.000444405	0.000444405
0.25	1.893	0.012	0.017	0.001066572	0.001510977
0.50	2.204	0.026	0.043	0.002310906	0.003821882
0.75	2.650	0.092	0.135	0.008177051	0.011998933
1.00	3.916	0.341	0.476	0.030308417	0.042307350
1.25	4.892	0.813	1.289	0.072260244	0.114567594
1.50	4.857	0.906	2.195	0.080526175	0.195093769
1.75	6.818	2.262	4.457	0.201048796	0.396142565
2.00	7.134	2.903	7.360	0.258021509	0.654164074
2.25	6.157	2.279	9.639	0.202559772	0.856723847
2.50	3.767	1.069	10.708	0.095013777	0.951737623
2.75	1.255	0.346	11.054	0.030752822	0.982490445
3.00	0.412	0.165	11.219	0.014665363	0.997155808
3.25	0.059	0.000	11.219	0.000000000	0.997155808
3.50	0.132	0.000	11.219	0.000000000	0.997155808
3.75	0.062	0.000	11.219	0.000000000	0.997155808
4.00	0.046	0.000	11.219	0.000000000	0.997155808
PAN	0.052	0.032	11.251	0.002844192	1.0

TOTAL WT.	49.914	grams
DIGESTED WT.	11.251	grams
% SILICA	22.541	

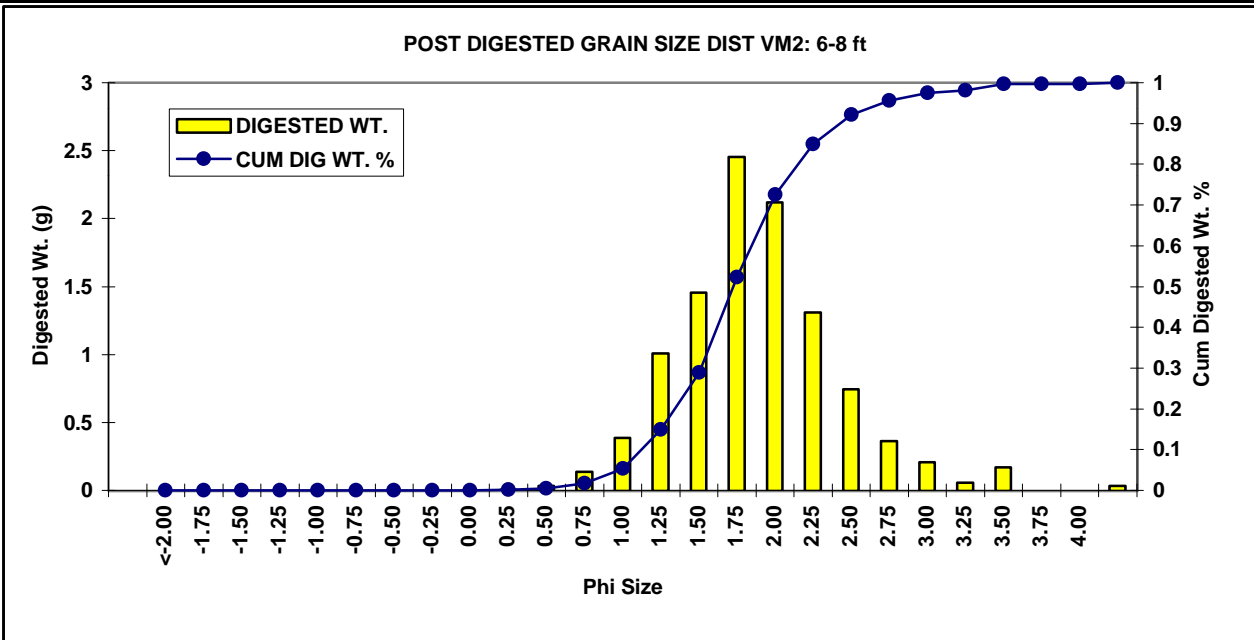


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VM2 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.125	0.000	0.000	0.000000000	0.000000000
-1.75	0.020	0.000	0.000	0.000000000	0.000000000
-1.50	0.076	0.000	0.000	0.000000000	0.000000000
-1.25	0.323	0.000	0.000	0.000000000	0.000000000
-1.00	0.315	0.000	0.000	0.000000000	0.000000000
-0.75	0.461	0.000	0.000	0.000000000	0.000000000
-0.50	0.814	0.000	0.000	0.000000000	0.000000000
-0.25	1.282	0.000	0.000	0.000000000	0.000000000
0.00	1.689	0.002	0.002	0.000190712	0.000190712
0.25	2.434	0.007	0.009	0.000667493	0.000858205
0.50	2.842	0.033	0.042	0.003146753	0.004004959
0.75	3.472	0.135	0.177	0.012873081	0.016878039
1.00	4.910	0.385	0.562	0.036712120	0.053590159
1.25	5.975	1.008	1.570	0.096119004	0.149709164
1.50	5.577	1.457	3.027	0.138933918	0.288643082
1.75	6.903	2.453	5.480	0.233908649	0.522551731
2.00	5.597	2.121	7.601	0.202250405	0.724802136
2.25	4.211	1.310	8.911	0.124916563	0.849718699
2.50	2.849	0.746	9.657	0.071135692	0.920854391
2.75	1.324	0.361	10.018	0.034423572	0.955277963
3.00	0.551	0.209	10.227	0.019929436	0.975207400
3.25	0.070	0.058	10.285	0.005530657	0.980738057
3.50	0.203	0.169	10.454	0.016115190	0.996853247
3.75	0.092	0.000	10.454	0.000000000	0.996853247
4.00	0.056	0.000	10.454	0.000000000	0.996853247
	0.045	0.033	10.487	0.003146753	1.0

TOTAL WT. 52.216 grams  
 DIGESTED WT. 10.487 grams  
 % SILICA 20.084



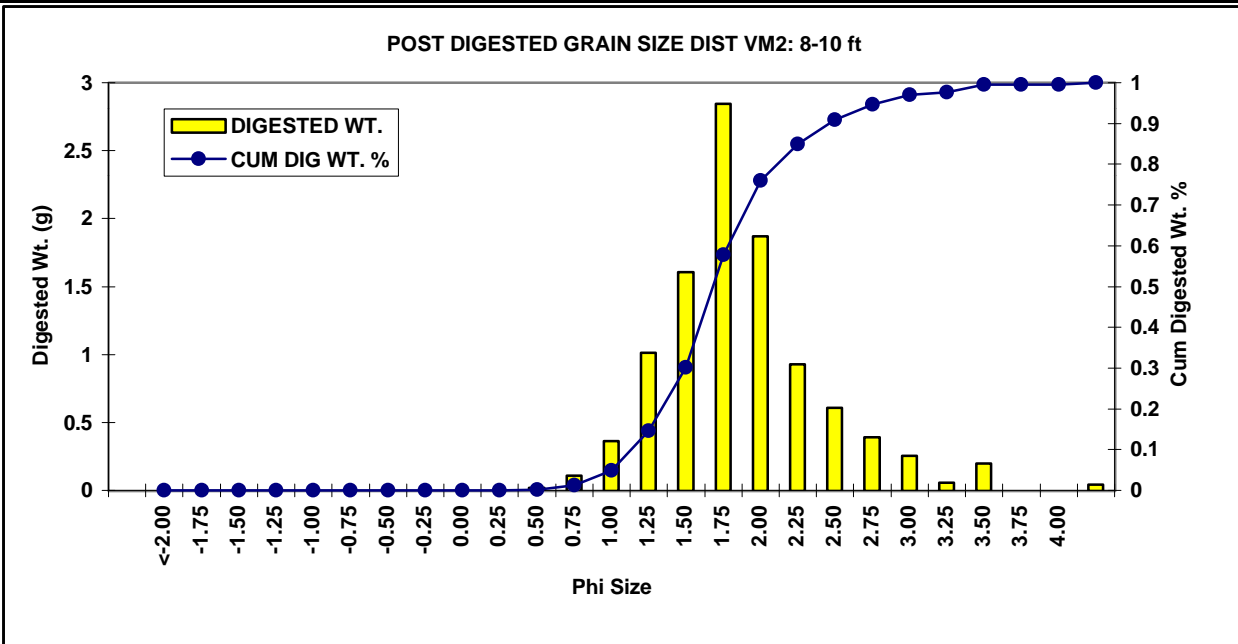


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

**CORE VM2 : 8-10 ft**

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.065	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.152	0.000	0.000	0.000000000	0.000000000
-1.25	0.093	0.000	0.000	0.000000000	0.000000000
-1.00	0.154	0.000	0.000	0.000000000	0.000000000
-0.75	0.283	0.000	0.000	0.000000000	0.000000000
-0.50	0.599	0.000	0.000	0.000000000	0.000000000
-0.25	0.887	0.000	0.000	0.000000000	0.000000000
0.00	1.094	0.002	0.002	0.000193968	0.000193968
0.25	1.721	0.002	0.004	0.000193968	0.000387935
0.50	2.106	0.020	0.024	0.001939676	0.002327611
0.75	2.754	0.108	0.132	0.010474251	0.012801862
1.00	4.182	0.362	0.494	0.035108137	0.047909999
1.25	5.492	1.013	1.507	0.098244593	0.146154592
1.50	5.758	1.608	3.115	0.155949956	0.302104549
1.75	7.387	2.846	5.961	0.276015905	0.578120454
2.00	5.402	1.872	7.833	0.181553681	0.759674134
2.25	3.540	0.926	8.759	0.089807002	0.849481137
2.50	2.542	0.608	9.367	0.058966153	0.908447289
2.75	1.596	0.392	9.759	0.038017651	0.946464940
3.00	0.764	0.252	10.011	0.024439919	0.970904859
3.25	0.122	0.058	10.069	0.005625061	0.976529920
3.50	0.243	0.199	10.268	0.019299777	0.995829696
3.75	0.129	0.000	10.268	0.000000000	0.995829696
4.00	0.064	0.000	10.268	0.000000000	0.995829696
	0.059	0.043	10.311	0.004170304	1.0

TOTAL WT. 47.188 grams  
 DIGESTED WT. 10.311 grams  
 % SILICA 21.851

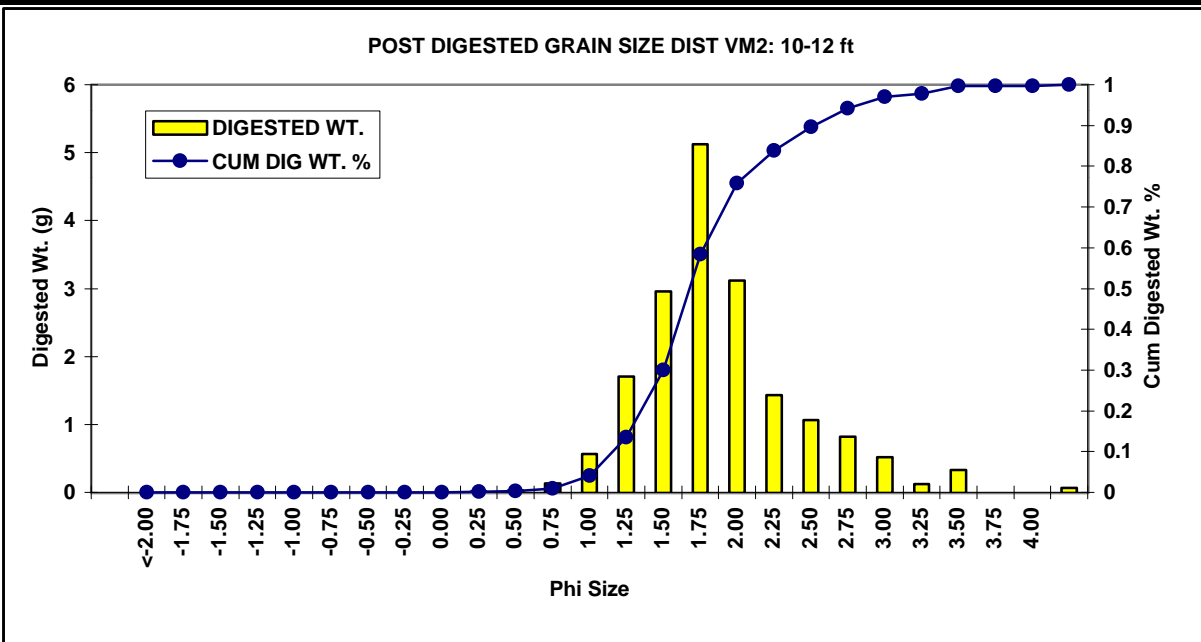


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM2 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.049	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.021	0.000	0.000	0.000000000	0.000000000
-1.25	0.063	0.000	0.000	0.000000000	0.000000000
-1.00	0.065	0.000	0.000	0.000000000	0.000000000
-0.75	0.132	0.000	0.000	0.000000000	0.000000000
-0.50	0.386	0.000	0.000	0.000000000	0.000000000
-0.25	0.699	0.000	0.000	0.000000000	0.000000000
0.00	1.028	0.000	0.000	0.000000000	0.000000000
0.25	1.835	0.016	0.016	0.000888938	0.000888938
0.50	2.401	0.028	0.044	0.001555642	0.002444580
0.75	3.581	0.132	0.176	0.007333741	0.009778321
1.00	5.962	0.562	0.738	0.031223957	0.041002278
1.25	8.815	1.704	2.442	0.094671926	0.135674204
1.50	9.405	2.955	5.397	0.164175788	0.299849992
1.75	12.835	5.125	10.522	0.284738041	0.584588033
2.00	9.280	3.120	13.642	0.173342963	0.757930996
2.25	5.928	1.435	15.077	0.079726651	0.837657648
2.50	4.569	1.061	16.138	0.058947719	0.896605367
2.75	3.318	0.816	16.954	0.045335852	0.941941219
3.00	1.702	0.519	17.473	0.028834935	0.970776154
3.25	0.272	0.126	17.599	0.007000389	0.977776543
3.50	0.441	0.332	17.931	0.018445469	0.996222012
3.75	0.201	0.000	17.931	0.000000000	0.996222012
4.00	0.115	0.000	17.931	0.000000000	0.996222012
	0.083	0.068	17.999	0.003777988	1.0

**TOTAL WT.** 73.186 grams  
**DIGESTED WT.** 17.999 grams  
**% SILICA** 24.594

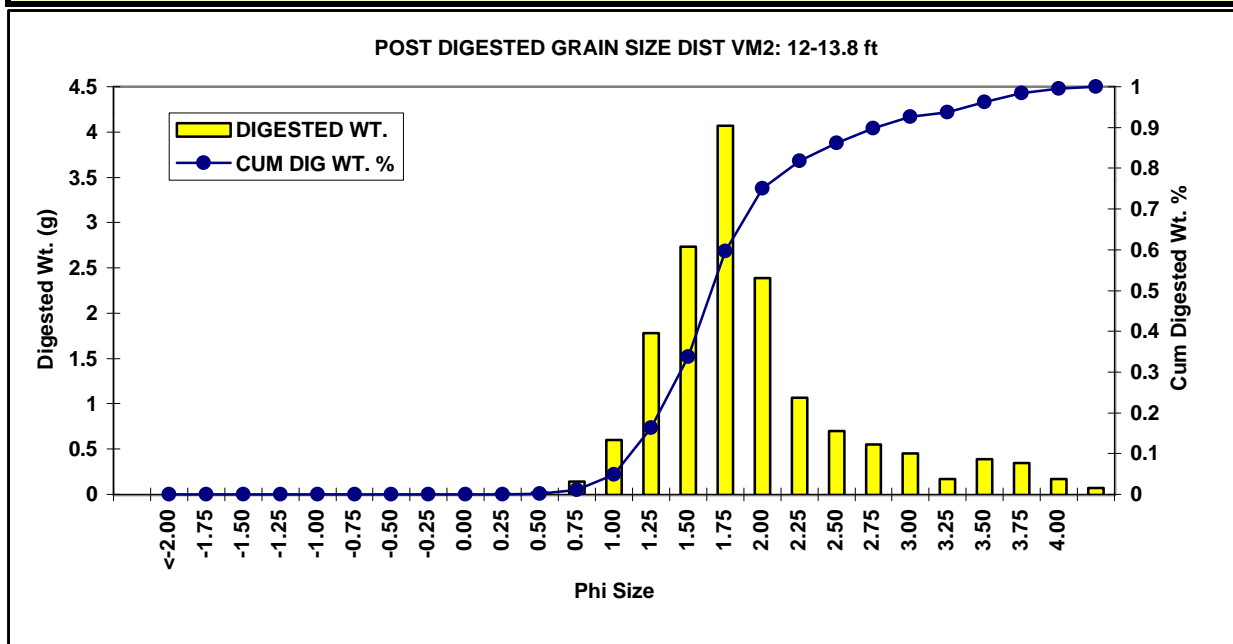


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VM2 : 12-13.8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.014	0.000	0.000	0.000000000	0.000000000
-1.00	0.029	0.000	0.000	0.000000000	0.000000000
-0.75	0.060	0.000	0.000	0.000000000	0.000000000
-0.50	0.205	0.000	0.000	0.000000000	0.000000000
-0.25	0.457	0.000	0.000	0.000000000	0.000000000
0.00	0.627	0.001	0.001	0.000063824	0.000063824
0.25	1.397	0.007	0.008	0.000446770	0.000510595
0.50	2.025	0.021	0.029	0.001340311	0.001850906
0.75	3.223	0.141	0.170	0.008999234	0.010850140
1.00	5.850	0.602	0.772	0.038422262	0.049272402
1.25	8.650	1.781	2.553	0.113671177	0.162943579
1.50	8.969	2.732	5.285	0.174368139	0.337311718
1.75	10.648	4.071	9.356	0.259828951	0.597140669
2.00	7.049	2.390	11.746	0.152540209	0.749680878
2.25	4.313	1.069	12.815	0.068228236	0.817909114
2.50	3.225	0.698	13.513	0.044549400	0.862458514
2.75	2.376	0.554	14.067	0.035358693	0.897817207
3.00	1.378	0.451	14.518	0.028784784	0.926601991
3.25	0.271	0.173	14.691	0.011041613	0.937643605
3.50	0.530	0.390	15.081	0.024891499	0.962535103
3.75	0.364	0.348	15.429	0.022210876	0.984745979
4.00	0.171	0.169	15.598	0.010786316	0.995532295
	0.087	0.070	15.668	0.004467705	1.0

TOTAL WT. 61.918 grams  
 DIGESTED WT. 15.668 grams  
 % SILICA 25.304

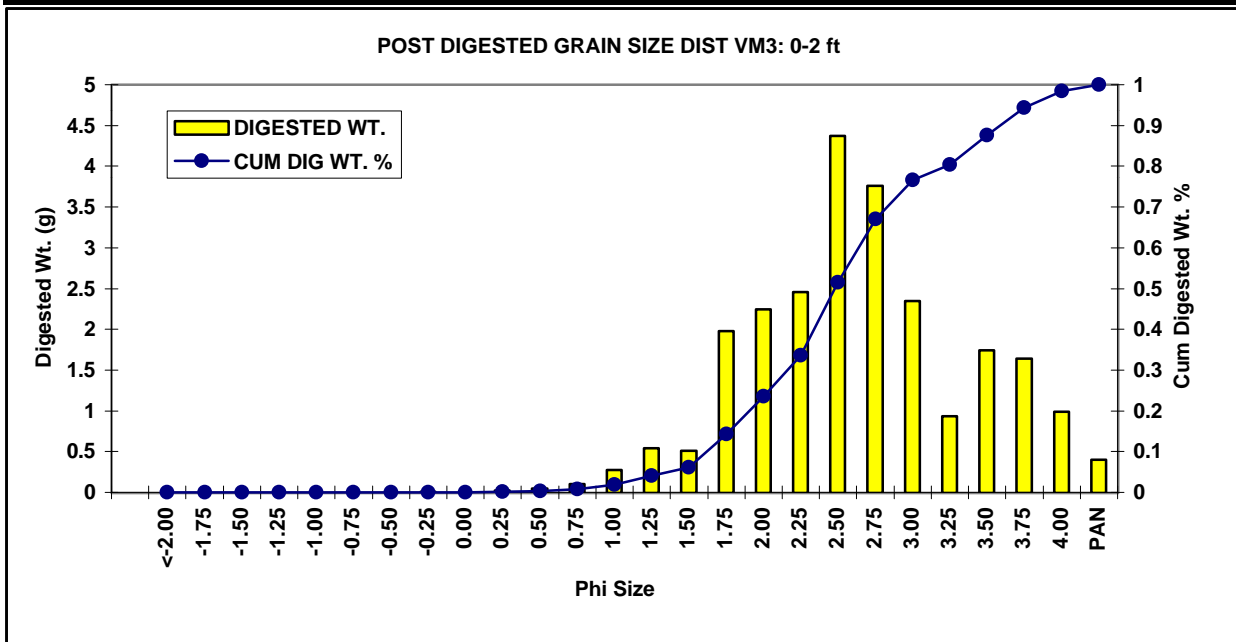


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM3 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.034	0.000	0.000	0.000000000	0.000000000
-1.25	0.089	0.000	0.000	0.000000000	0.000000000
-1.00	0.049	0.000	0.000	0.000000000	0.000000000
-0.75	0.153	0.000	0.000	0.000000000	0.000000000
-0.50	0.285	0.000	0.000	0.000000000	0.000000000
-0.25	0.449	0.007	0.007	0.000287097	0.000287097
0.00	0.528	0.002	0.009	0.000082028	0.000369125
0.25	0.738	0.022	0.031	0.000902305	0.001271430
0.50	0.842	0.047	0.078	0.001927652	0.003199081
0.75	1.033	0.101	0.179	0.004142400	0.007341481
1.00	1.635	0.271	0.450	0.011114757	0.018456238
1.25	2.155	0.540	0.990	0.022147486	0.040603724
1.50	2.493	0.514	1.504	0.021081125	0.061684849
1.75	4.829	1.981	3.485	0.081248462	0.142933311
2.00	5.185	2.244	5.729	0.092035108	0.234968419
2.25	6.866	2.459	8.188	0.100853088	0.335821508
2.50	12.140	4.375	12.563	0.179435649	0.515257157
2.75	10.975	3.762	16.325	0.154294151	0.669551308
3.00	6.266	2.349	18.674	0.096341563	0.765892872
3.25	1.911	0.936	19.610	0.038388975	0.804281847
3.50	2.239	1.739	21.349	0.071323107	0.875604954
3.75	1.935	1.644	22.993	0.067426790	0.943031745
4.00	1.208	0.990	23.983	0.040603724	0.983635469
PAN	0.562	0.399	24.382	0.016364531	1.0

**TOTAL WT.** 64.599 grams  
**DIGESTED WT.** 24.382 grams  
**% SILICA** 37.744

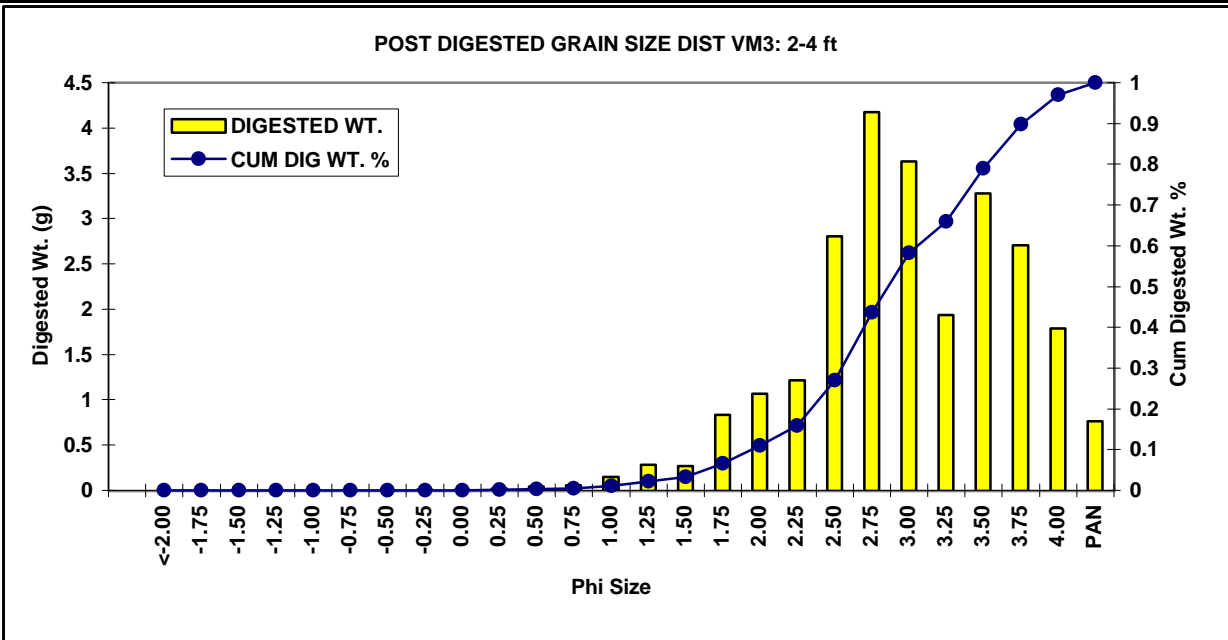


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM3 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.060	0.000	0.000	0.000000000	0.000000000
-1.75	0.103	0.000	0.000	0.000000000	0.000000000
-1.50	0.125	0.000	0.000	0.000000000	0.000000000
-1.25	0.247	0.000	0.000	0.000000000	0.000000000
-1.00	0.313	0.000	0.000	0.000000000	0.000000000
-0.75	0.533	0.000	0.000	0.000000000	0.000000000
-0.50	0.688	0.000	0.000	0.000000000	0.000000000
-0.25	0.777	0.010	0.010	0.000399505	0.000399505
0.00	0.893	0.007	0.017	0.000279653	0.000679158
0.25	1.219	0.021	0.038	0.000838960	0.001518118
0.50	1.157	0.040	0.078	0.001598018	0.003116136
0.75	1.226	0.057	0.135	0.002277176	0.005393312
1.00	1.570	0.146	0.281	0.005832767	0.011226080
1.25	1.661	0.282	0.563	0.011266030	0.022492110
1.50	1.667	0.269	0.832	0.010746674	0.033238784
1.75	2.704	0.836	1.668	0.033398586	0.066637370
2.00	3.098	1.070	2.738	0.042746994	0.109384363
2.25	4.279	1.215	3.953	0.048539811	0.157924174
2.50	8.851	2.808	6.761	0.112180896	0.270105070
2.75	11.642	4.174	10.935	0.166753226	0.436858296
3.00	8.577	3.631	14.566	0.145060125	0.581918421
3.25	3.655	1.936	16.502	0.077344093	0.659262514
3.50	3.797	3.275	19.777	0.130837761	0.790100276
3.75	3.167	2.704	22.481	0.108026048	0.898126323
4.00	2.176	1.786	24.267	0.071351524	0.969477847
PAN	1.047	0.764	25.031	0.030522153	1.0

**TOTAL WT.** 65.232 grams  
**DIGESTED WT.** 25.031 grams  
**% SILICA** 38.372

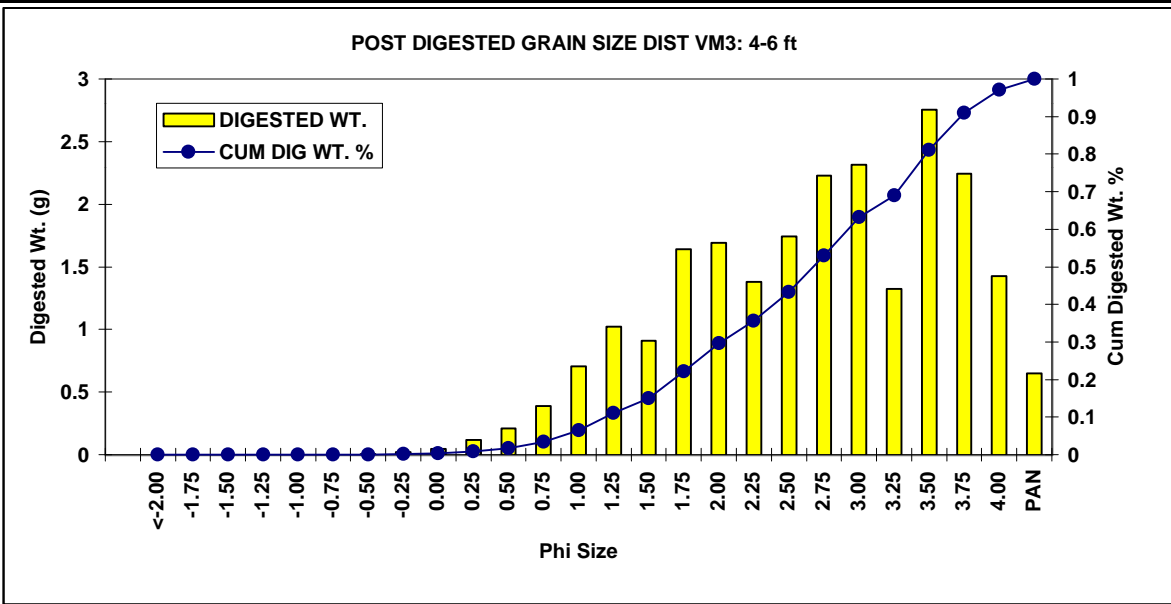


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VM3 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	11.709	0.000	0.000	0.000000000	0.000000000
-1.75	0.693	0.000	0.000	0.000000000	0.000000000
-1.50	0.502	0.000	0.000	0.000000000	0.000000000
-1.25	0.564	0.000	0.000	0.000000000	0.000000000
-1.00	0.877	0.000	0.000	0.000000000	0.000000000
-0.75	1.077	0.000	0.000	0.000000000	0.000000000
-0.50	1.350	0.005	0.005	0.000219077	0.000219077
-0.25	1.464	0.021	0.026	0.000920124	0.001139202
0.00	1.523	0.048	0.074	0.002103142	0.003242343
0.25	1.949	0.116	0.190	0.005082592	0.008324935
0.50	1.956	0.210	0.400	0.009201244	0.017526180
0.75	2.094	0.386	0.786	0.016912763	0.034438943
1.00	2.741	0.707	1.493	0.030977523	0.065416466
1.25	2.994	1.022	2.515	0.044779389	0.110195855
1.50	2.738	0.910	3.425	0.039872059	0.150067914
1.75	3.717	1.639	5.064	0.071813521	0.221881435
2.00	3.153	1.694	6.758	0.074223371	0.296104807
2.25	3.210	1.378	8.136	0.060377689	0.356482496
2.50	4.829	1.745	9.881	0.076457959	0.432940455
2.75	6.077	2.228	12.109	0.097620821	0.530561276
3.00	5.384	2.313	14.422	0.101345134	0.631906410
3.25	2.608	1.324	15.746	0.058011655	0.689918065
3.50	3.379	2.757	18.503	0.120799194	0.810717259
3.75	2.662	2.242	20.745	0.098234237	0.908951496
4.00	1.804	1.428	22.173	0.062568462	0.971519958
PAN	0.964	0.650	22.823	0.028480042	1.0

TOTAL WT.	72.018	grams
DIGESTED WT.	22.823	grams
% SILICA	31.691	



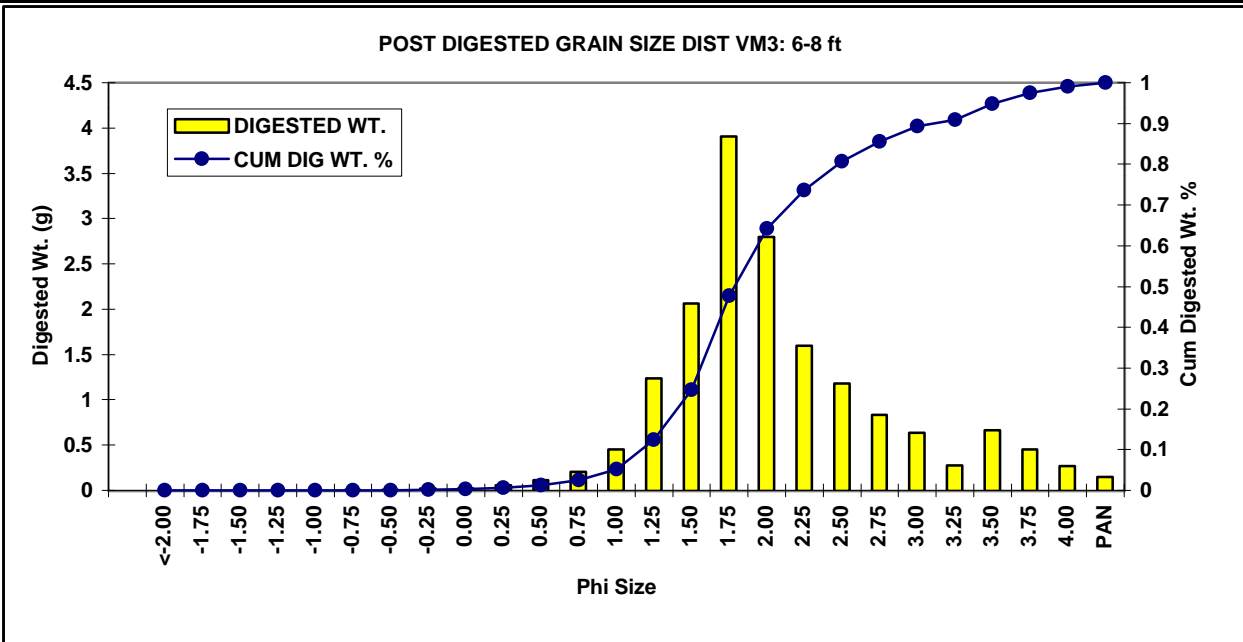
# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

CORE VM3 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.846	0.000	0.000	0.000000000	0.000000000
-1.75	0.477	0.000	0.000	0.000000000	0.000000000
-1.50	0.563	0.000	0.000	0.000000000	0.000000000
-1.25	0.451	0.000	0.000	0.000000000	0.000000000
-1.00	0.678	0.000	0.000	0.000000000	0.000000000
-0.75	0.856	0.004	0.004	0.000236309	0.000236309
-0.50	1.073	0.009	0.013	0.000531695	0.000768004
-0.25	1.245	0.022	0.035	0.001299699	0.002067702
0.00	1.255	0.021	0.056	0.001240621	0.003308324
0.25	1.766	0.054	0.110	0.003190170	0.006498494
0.50	2.067	0.110	0.220	0.006498494	0.012996987
0.75	2.922	0.203	0.423	0.011992674	0.024989661
1.00	4.800	0.450	0.873	0.026584746	0.051574408
1.25	7.303	1.239	2.112	0.073196668	0.124771076
1.50	7.814	2.060	4.172	0.121699061	0.246470136
1.75	9.796	3.904	8.076	0.230637443	0.477107580
2.00	6.282	2.794	10.870	0.165061736	0.642169315
2.25	4.444	1.600	12.470	0.094523542	0.736692858
2.50	4.130	1.181	13.651	0.069770190	0.806463047
2.75	3.195	0.832	14.483	0.049152242	0.855615289
3.00	2.107	0.635	15.118	0.037514031	0.893129320
3.25	0.909	0.278	15.396	0.016423465	0.909552785
3.50	1.243	0.662	16.058	0.039109116	0.948661901
3.75	0.904	0.453	16.511	0.026761978	0.975423879
4.00	0.675	0.267	16.778	0.015773616	0.991197495
PAN	0.601	0.149	16.927	0.008802505	1.0

TOTAL WT.  
DIGESTED WT.  
% SILICA

68.402 grams  
16.927 grams  
24.746

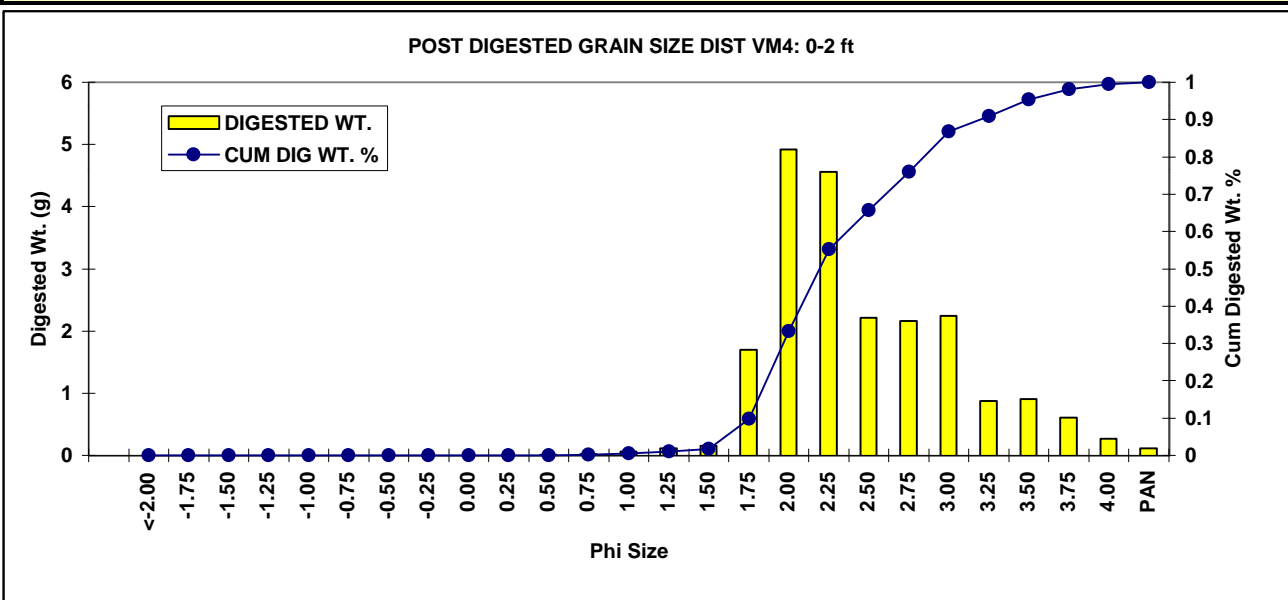


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM4 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.032	0.000	0.000	0.000000000	0.000000000
-1.50	0.026	0.000	0.000	0.000000000	0.000000000
-1.25	0.122	0.000	0.000	0.000000000	0.000000000
-1.00	0.122	0.000	0.000	0.000000000	0.000000000
-0.75	0.164	0.000	0.000	0.000000000	0.000000000
-0.50	0.260	0.000	0.000	0.000000000	0.000000000
-0.25	0.272	0.001	0.001	0.000047787	0.000047787
0.00	0.313	0.001	0.002	0.000047787	0.000095575
0.25	0.398	0.002	0.004	0.000095575	0.000191150
0.50	0.473	0.010	0.014	0.000477874	0.000669024
0.75	0.547	0.021	0.035	0.001003536	0.001672560
1.00	0.901	0.058	0.093	0.002771672	0.004444232
1.25	1.249	0.114	0.207	0.005447768	0.009892000
1.50	1.854	0.155	0.362	0.007407053	0.017299054
1.75	5.185	1.694	2.056	0.080951926	0.098250980
2.00	9.970	4.924	6.980	0.235305362	0.333556341
2.25	12.830	4.562	11.542	0.218006308	0.551562649
2.50	10.555	2.215	13.757	0.105849183	0.657411832
2.75	7.322	2.160	15.917	0.103220874	0.760632706
3.00	5.627	2.247	18.164	0.107378381	0.868011087
3.25	1.553	0.875	19.039	0.041814011	0.909825098
3.50	1.391	0.904	19.943	0.043199847	0.953024945
3.75	0.691	0.605	20.548	0.028911402	0.981936347
4.00	0.305	0.264	20.812	0.012615885	0.994552232
PAN	0.152	0.114	20.926	0.005447768	1.0

<b>TOTAL WT.</b>	62.314	grams
<b>DIGESTED WT.</b>	20.926	grams
<b>% SILICA</b>	33.582	



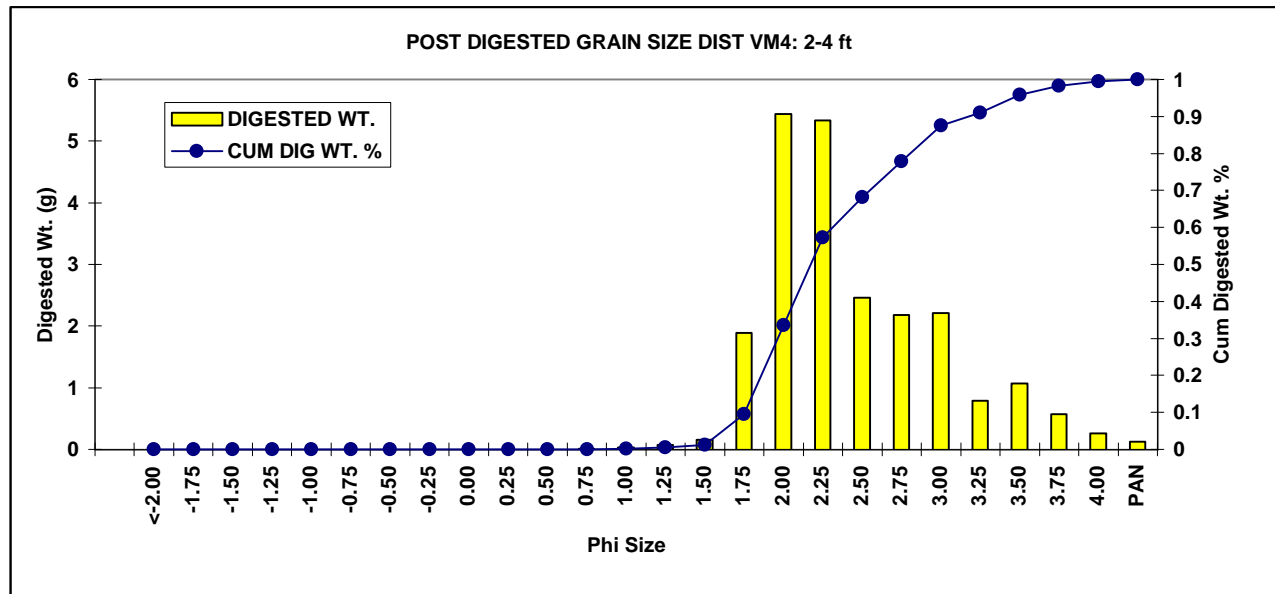


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM4 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.179	0.000	0.000	0.000000000	0.000000000
-1.75	0.097	0.000	0.000	0.000000000	0.000000000
-1.50	0.018	0.000	0.000	0.000000000	0.000000000
-1.25	0.034	0.000	0.000	0.000000000	0.000000000
-1.00	0.062	0.000	0.000	0.000000000	0.000000000
-0.75	0.103	0.000	0.000	0.000000000	0.000000000
-0.50	0.104	0.000	0.000	0.000000000	0.000000000
-0.25	0.131	0.000	0.000	0.000000000	0.000000000
0.00	0.191	0.000	0.000	0.000000000	0.000000000
0.25	0.277	0.000	0.000	0.000000000	0.000000000
0.50	0.338	0.003	0.003	0.000132737	0.000132737
0.75	0.451	0.010	0.013	0.000442458	0.000575196
1.00	0.798	0.033	0.046	0.001460112	0.002035308
1.25	1.237	0.072	0.118	0.003185700	0.005221008
1.50	1.779	0.151	0.269	0.006681120	0.011902128
1.75	6.006	1.892	2.161	0.083713110	0.095615238
2.00	11.522	5.438	7.599	0.240608823	0.336224061
2.25	14.527	5.340	12.939	0.236272731	0.572496792
2.50	11.554	2.461	15.400	0.108888987	0.681385779
2.75	7.393	2.181	17.581	0.096500155	0.777885934
3.00	5.366	2.208	19.789	0.097694792	0.875580727
3.25	1.411	0.789	20.578	0.034909960	0.910490686
3.50	1.424	1.068	21.646	0.047254546	0.957745233
3.75	0.593	0.572	22.218	0.025308615	0.983053847
4.00	0.271	0.262	22.480	0.011592407	0.994646255
PAN	0.125	0.121	22.601	0.005353745	1.0

**TOTAL WT.** 65.991 grams  
**DIGESTED WT.** 22.601 grams  
**% SILICA** 34.249

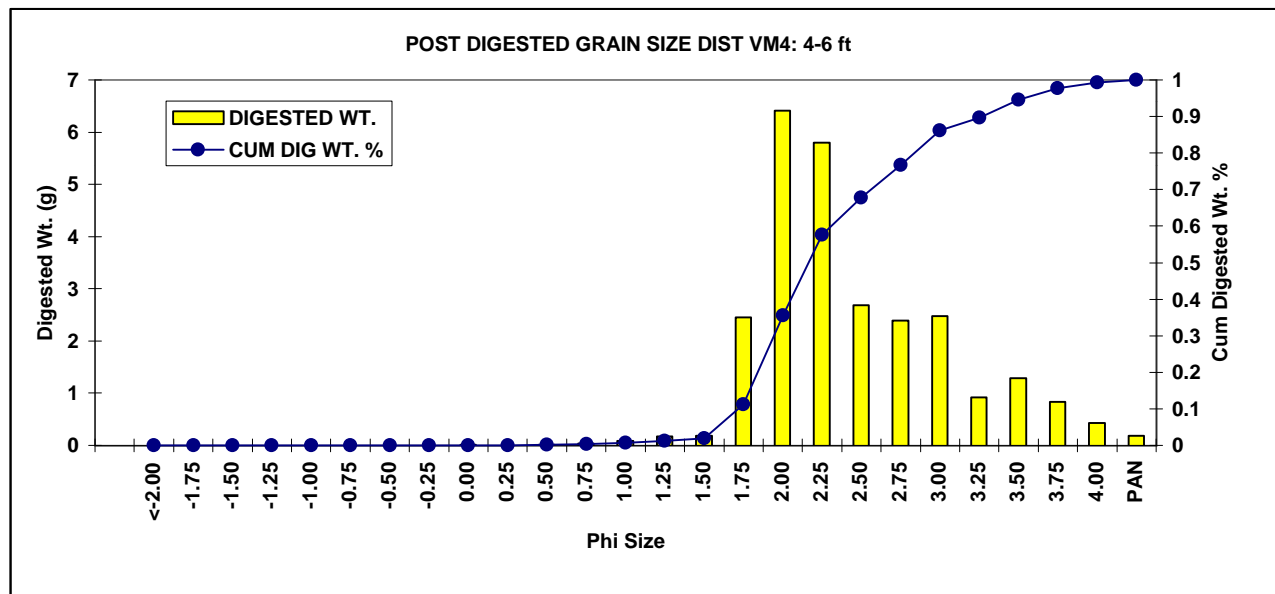


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM4 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.056	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.009	0.000	0.000	0.000000000	0.000000000
-1.25	0.030	0.000	0.000	0.000000000	0.000000000
-1.00	0.096	0.000	0.000	0.000000000	0.000000000
-0.75	0.138	0.000	0.000	0.000000000	0.000000000
-0.50	0.273	0.000	0.000	0.000000000	0.000000000
-0.25	0.383	0.005	0.005	0.000189509	0.000189509
0.00	0.435	0.012	0.017	0.000454821	0.000644330
0.25	0.649	0.006	0.023	0.000227411	0.000871740
0.50	0.787	0.018	0.041	0.000682232	0.001553972
0.75	0.971	0.039	0.080	0.001478169	0.003032141
1.00	1.586	0.087	0.167	0.003297453	0.006329594
1.25	2.258	0.173	0.340	0.006557004	0.012886598
1.50	3.039	0.183	0.523	0.006936022	0.019822620
1.75	8.370	2.449	2.972	0.092821407	0.112644027
2.00	13.665	6.407	9.379	0.242836568	0.355480594
2.25	15.544	5.801	15.180	0.219868102	0.575348696
2.50	11.942	2.686	17.866	0.101804124	0.677152820
2.75	8.212	2.395	20.261	0.090774712	0.767927532
3.00	6.035	2.471	22.732	0.093655246	0.861582777
3.25	1.685	0.922	23.654	0.034945421	0.896528199
3.50	1.728	1.284	24.938	0.048665858	0.945194057
3.75	0.944	0.834	25.772	0.031610067	0.976804124
4.00	0.486	0.433	26.205	0.016411461	0.993215585
PAN	0.244	0.179	26.384	0.006784415	1.0

<b>TOTAL WT.</b>	79.565	grams
<b>DIGESTED WT.</b>	26.384	grams
<b>% SILICA</b>	33.160	

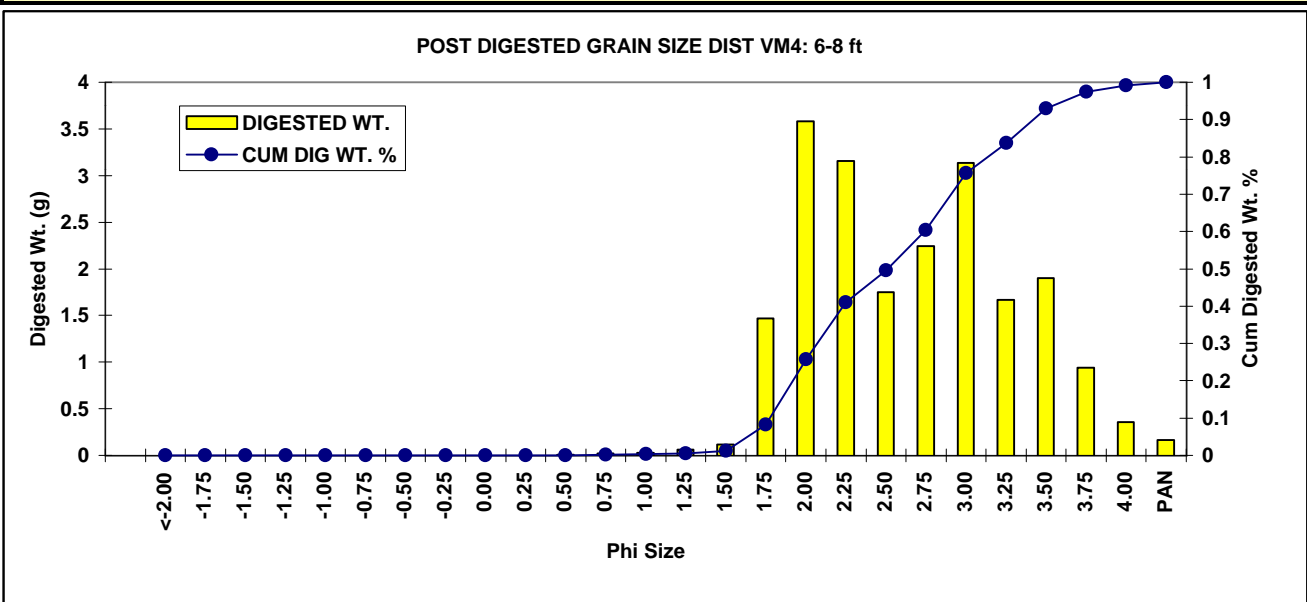


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM4 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.060	0.000	0.000	0.000000000	0.000000000
-1.25	0.003	0.000	0.000	0.000000000	0.000000000
-1.00	0.070	0.000	0.000	0.000000000	0.000000000
-0.75	0.058	0.000	0.000	0.000000000	0.000000000
-0.50	0.155	0.000	0.000	0.000000000	0.000000000
-0.25	0.180	0.000	0.000	0.000000000	0.000000000
0.00	0.275	0.002	0.002	0.000097078	0.000097078
0.25	0.428	0.003	0.005	0.000145617	0.000242695
0.50	0.448	0.007	0.012	0.000339773	0.000582468
0.75	0.618	0.018	0.030	0.000873702	0.001456169
1.00	0.957	0.028	0.058	0.001359091	0.002815261
1.25	1.378	0.065	0.123	0.003155033	0.005970294
1.50	1.635	0.117	0.240	0.005679060	0.011649354
1.75	5.105	1.471	1.711	0.071400835	0.083050189
2.00	8.340	3.584	5.295	0.173963693	0.257013882
2.25	9.218	3.153	8.448	0.153043394	0.410057276
2.50	8.117	1.749	10.197	0.084894670	0.494951946
2.75	7.491	2.243	12.440	0.108872925	0.603824871
3.00	7.326	3.135	15.575	0.152169692	0.755994564
3.25	2.929	1.667	17.242	0.080914474	0.836909038
3.50	2.330	1.901	19.143	0.092272595	0.929181633
3.75	0.987	0.937	20.080	0.045481021	0.974662654
4.00	0.434	0.359	20.439	0.017425493	0.992088147
PAN	0.196	0.163	20.602	0.007911853	1.0

<b>TOTAL WT.</b>	58.738	grams
<b>DIGESTED WT.</b>	20.602	grams
<b>% SILICA</b>	35.074	

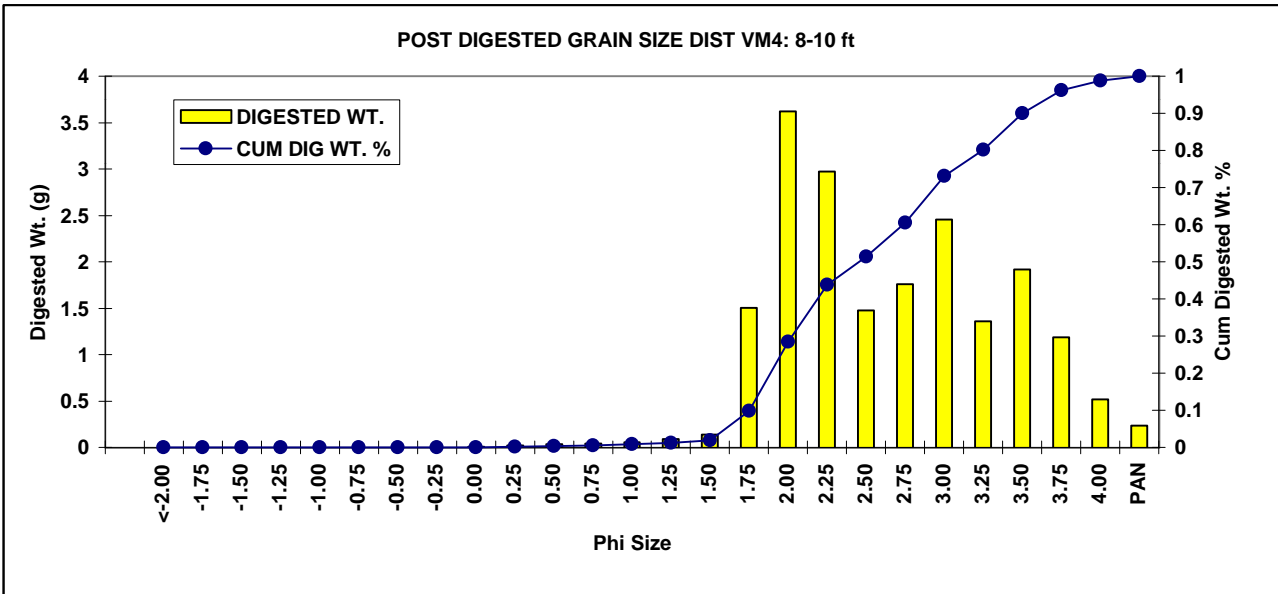


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM4 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.137	0.000	0.000	0.000000000	0.000000000
-1.75	0.029	0.000	0.000	0.000000000	0.000000000
-1.50	0.103	0.000	0.000	0.000000000	0.000000000
-1.25	0.096	0.000	0.000	0.000000000	0.000000000
-1.00	0.117	0.000	0.000	0.000000000	0.000000000
-0.75	0.168	0.000	0.000	0.000000000	0.000000000
-0.50	0.297	0.000	0.000	0.000000000	0.000000000
-0.25	0.349	0.000	0.000	0.000000000	0.000000000
0.00	0.476	0.005	0.005	0.000257985	0.000257985
0.25	0.636	0.021	0.026	0.001083535	0.001341520
0.50	0.744	0.035	0.061	0.001805892	0.003147412
0.75	0.829	0.041	0.102	0.002115474	0.005262886
1.00	1.211	0.058	0.160	0.002992622	0.008255508
1.25	1.502	0.087	0.247	0.004488932	0.012744440
1.50	1.955	0.136	0.383	0.007017182	0.019761622
1.75	4.971	1.505	1.888	0.077653372	0.097414994
2.00	7.884	3.623	5.511	0.186935659	0.284350653
2.25	8.319	2.972	8.483	0.153346061	0.437696713
2.50	6.902	1.476	9.959	0.076157061	0.513853774
2.75	5.999	1.760	11.719	0.090810588	0.604664362
3.00	5.932	2.455	14.174	0.126670450	0.731334812
3.25	2.579	1.356	15.530	0.069965430	0.801300243
3.50	2.286	1.915	17.445	0.098808111	0.900108354
3.75	1.284	1.188	18.633	0.061297147	0.961405500
4.00	0.618	0.515	19.148	0.026572416	0.987977917
PAN	0.300	0.233	19.381	0.012022083	1.0

**TOTAL WT.** 55.723 grams  
**DIGESTED WT.** 19.381 grams  
**% SILICA** 34.781

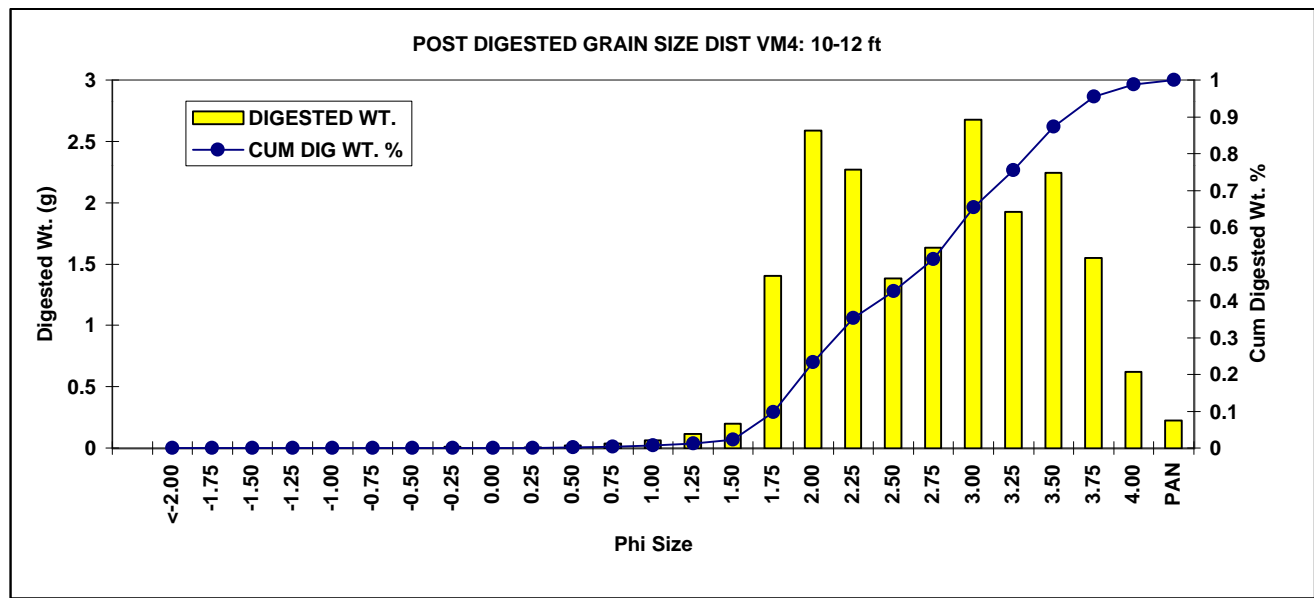


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM4 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.406	0.000	0.000	0.000000000	0.000000000
-1.75	0.450	0.000	0.000	0.000000000	0.000000000
-1.50	0.288	0.000	0.000	0.000000000	0.000000000
-1.25	0.505	0.000	0.000	0.000000000	0.000000000
-1.00	0.472	0.000	0.000	0.000000000	0.000000000
-0.75	0.486	0.000	0.000	0.000000000	0.000000000
-0.50	0.645	0.000	0.000	0.000000000	0.000000000
-0.25	0.746	0.010	0.010	0.000527482	0.000527482
0.00	0.687	0.000	0.010	0.000000000	0.000527482
0.25	0.963	0.003	0.013	0.000158245	0.000685726
0.50	0.962	0.019	0.032	0.001002215	0.001687942
0.75	1.146	0.034	0.066	0.001793438	0.003481380
1.00	1.687	0.062	0.128	0.003270387	0.006751767
1.25	2.142	0.117	0.245	0.006171537	0.012923304
1.50	2.293	0.196	0.441	0.010338643	0.023261947
1.75	5.424	1.403	1.844	0.074005697	0.097267644
2.00	6.588	2.590	4.434	0.136617787	0.233885431
2.25	6.501	2.270	6.704	0.119738369	0.353623800
2.50	6.262	1.384	8.088	0.073003481	0.426627281
2.75	6.331	1.632	9.720	0.086085030	0.512712311
3.00	7.102	2.674	12.394	0.141048634	0.653760945
3.25	3.576	1.926	14.320	0.101592995	0.755353940
3.50	2.902	2.245	16.565	0.118419665	0.873773605
3.75	1.741	1.550	18.115	0.081759679	0.955533284
4.00	0.736	0.621	18.736	0.032756620	0.988289904
PAN	0.296	0.222	18.958	0.011710096	1.0

<b>TOTAL WT.</b>	61.337	grams
<b>DIGESTED WT.</b>	18.958	grams
<b>% SILICA</b>	30.908	

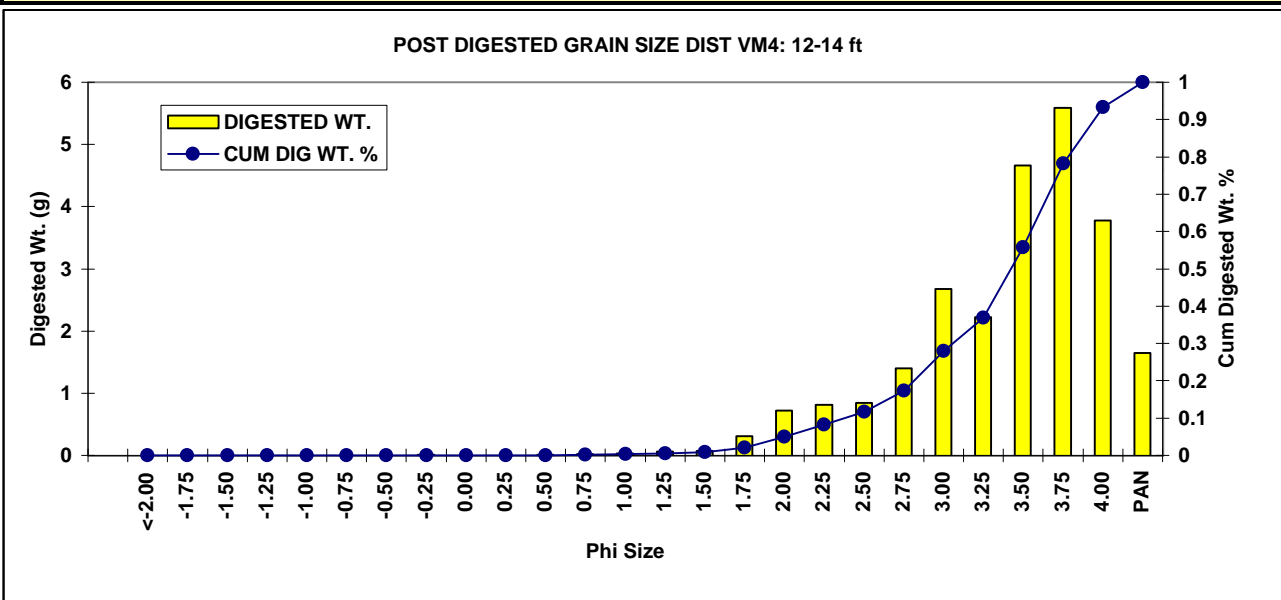


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM4 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.017	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.077	0.000	0.000	0.000000000	0.000000000
-1.25	0.036	0.000	0.000	0.000000000	0.000000000
-1.00	0.057	0.000	0.000	0.000000000	0.000000000
-0.75	0.095	0.000	0.000	0.000000000	0.000000000
-0.50	0.158	0.000	0.000	0.000000000	0.000000000
-0.25	0.268	0.006	0.006	0.000241303	0.000241303
0.00	0.371	0.000	0.006	0.000000000	0.000241303
0.25	0.598	0.003	0.009	0.000120652	0.000361955
0.50	0.740	0.008	0.017	0.000321737	0.000683692
0.75	0.948	0.024	0.041	0.000965212	0.001648904
1.00	1.470	0.032	0.073	0.001286950	0.002935854
1.25	1.726	0.063	0.136	0.002533682	0.005469535
1.50	1.940	0.067	0.203	0.002694551	0.008164086
1.75	2.890	0.307	0.510	0.012346672	0.020510758
2.00	3.094	0.720	1.230	0.028956364	0.049467122
2.25	3.577	0.809	2.039	0.032535693	0.082002815
2.50	4.495	0.849	2.888	0.034144380	0.116147195
2.75	5.744	1.404	4.292	0.056464911	0.172612105
3.00	7.504	2.674	6.966	0.107540720	0.280152825
3.25	4.734	2.224	9.190	0.089442992	0.369595817
3.50	5.743	4.665	13.855	0.187613111	0.557208928
3.75	6.588	5.586	19.441	0.224653127	0.781862055
4.00	4.518	3.774	23.215	0.151779610	0.933641665
PAN	2.263	1.650	24.865	0.066358335	1.0

<b>TOTAL WT.</b>	59.651	grams
<b>DIGESTED WT.</b>	24.865	grams
<b>% SILICA</b>	41.684	

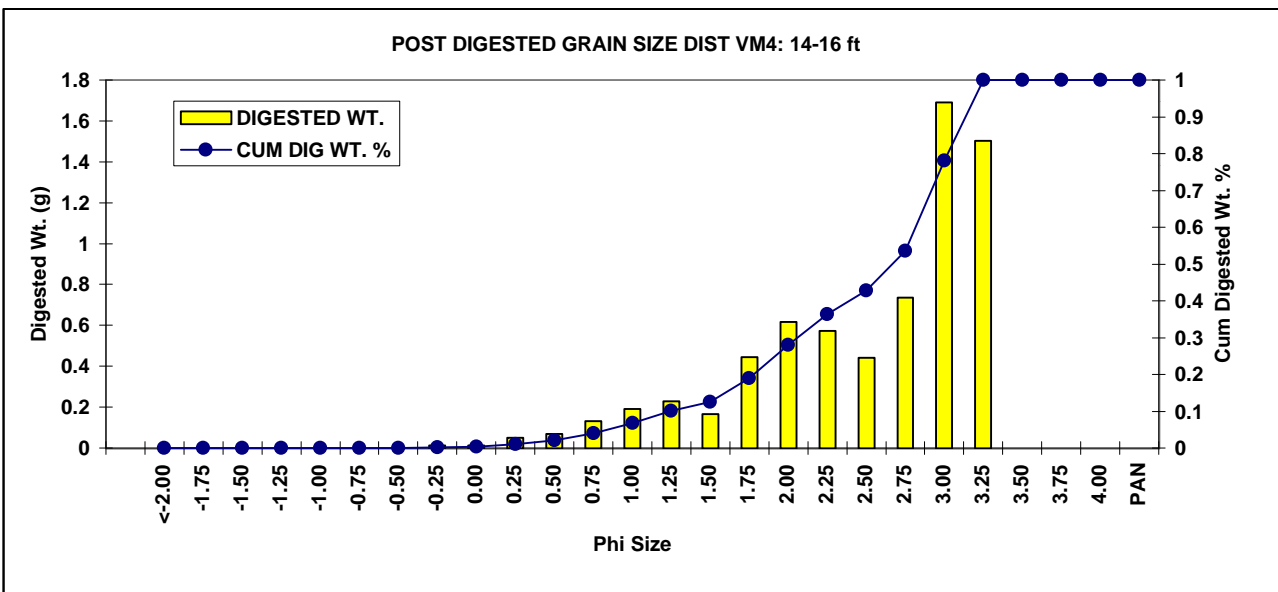


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM4 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.278	0.000	0.000	0.000000000	0.000000000
-1.75	0.200	0.000	0.000	0.000000000	0.000000000
-1.50	0.345	0.000	0.000	0.000000000	0.000000000
-1.25	0.368	0.000	0.000	0.000000000	0.000000000
-1.00	0.640	0.000	0.000	0.000000000	0.000000000
-0.75	0.823	0.000	0.000	0.000000000	0.000000000
-0.50	1.234	0.000	0.000	0.000000000	0.000000000
-0.25	1.632	0.012	0.012	0.001748506	0.001748506
0.00	1.752	0.012	0.024	0.001748506	0.003497013
0.25	2.415	0.051	0.075	0.007431153	0.010928166
0.50	2.480	0.070	0.145	0.010199621	0.021127787
0.75	2.584	0.130	0.275	0.018942154	0.040069940
1.00	3.090	0.191	0.466	0.027830395	0.067900335
1.25	2.853	0.229	0.695	0.033367332	0.101267667
1.50	2.234	0.165	0.860	0.024041964	0.125309631
1.75	3.401	0.444	1.304	0.064694740	0.190004371
2.00	3.161	0.618	1.922	0.090048084	0.280052455
2.25	3.595	0.574	2.496	0.083636893	0.363689349
2.50	5.470	0.440	2.936	0.064111904	0.427801253
2.75	5.112	0.735	3.671	0.107096022	0.534897275
3.00	5.137	1.690	5.361	0.246247997	0.781145272
3.25	3.149	1.502	6.863	0.218854728	1.000000000
3.50	2.216	0.000	6.863	0.000000000	1.000000000
3.75	1.019	0.000	6.863	0.000000000	1.000000000
4.00	0.622	0.000	6.863	0.000000000	1.000000000
PAN	0.135	0.000	6.863	0.000000000	1.0

TOTAL WT. 55.945 grams  
 DIGESTED WT. 6.863 grams  
 % SILICA 12.267

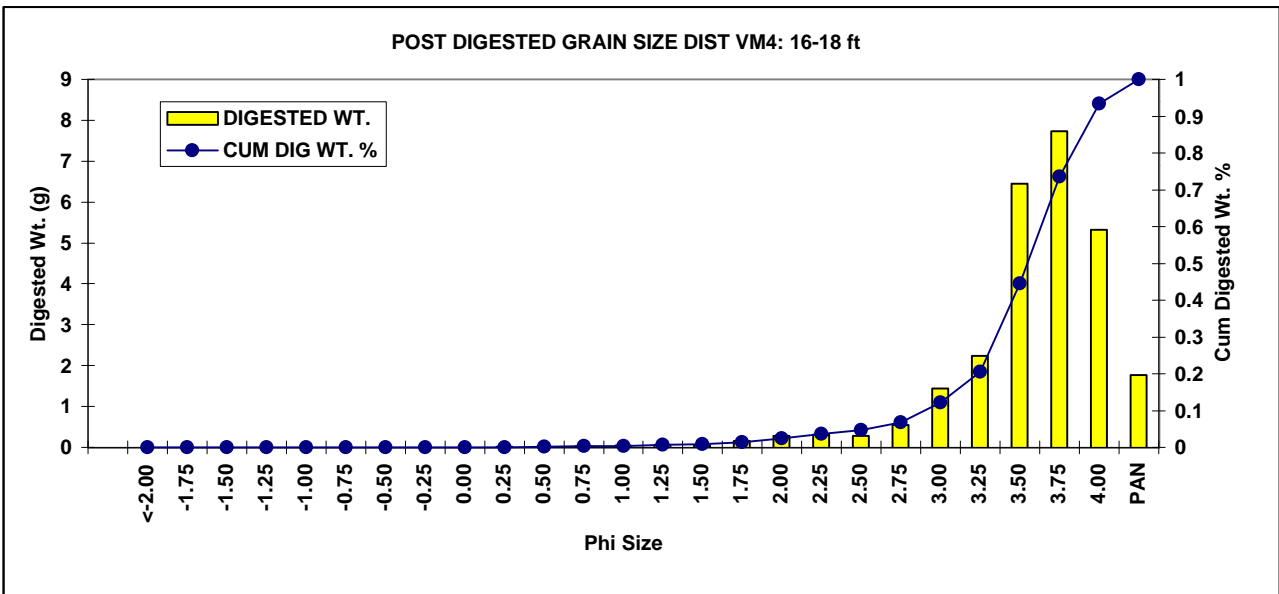


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM4 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.409	0.000	0.000	0.000000000	0.000000000
-1.75	0.036	0.000	0.000	0.000000000	0.000000000
-1.50	0.125	0.000	0.000	0.000000000	0.000000000
-1.25	0.179	0.000	0.000	0.000000000	0.000000000
-1.00	0.368	0.000	0.000	0.000000000	0.000000000
-0.75	0.279	0.000	0.000	0.000000000	0.000000000
-0.50	0.409	0.001	0.001	0.000037408	0.000037408
-0.25	0.475	0.005	0.006	0.000187042	0.000224450
0.00	0.424	0.007	0.013	0.000261858	0.000486309
0.25	0.490	0.009	0.022	0.000336675	0.000822984
0.50	0.476	0.018	0.040	0.000673350	0.001496334
0.75	0.466	0.036	0.076	0.001346701	0.002843035
1.00	0.568	0.040	0.116	0.001496334	0.004339369
1.25	0.587	0.065	0.181	0.002431543	0.006770911
1.50	0.400	0.047	0.228	0.001758192	0.008529104
1.75	0.819	0.156	0.384	0.005835703	0.014364806
2.00	1.084	0.285	0.669	0.010661380	0.025026186
2.25	1.253	0.307	0.976	0.011484363	0.036510549
2.50	1.577	0.285	1.261	0.010661380	0.047171929
2.75	2.270	0.547	1.808	0.020462367	0.067634296
3.00	3.952	1.442	3.250	0.053942840	0.121577136
3.25	4.789	2.232	5.482	0.083495436	0.205072572
3.50	7.458	6.441	11.923	0.240947179	0.446019752
3.75	8.937	7.725	19.648	0.288979500	0.734999252
4.00	6.074	5.318	24.966	0.198937603	0.933936855
PAN	2.249	1.766	26.732	0.066063145	1.0

<b>TOTAL WT.</b>	46.153	grams
<b>DIGESTED WT.</b>	26.732	grams
<b>% SILICA</b>	57.920	



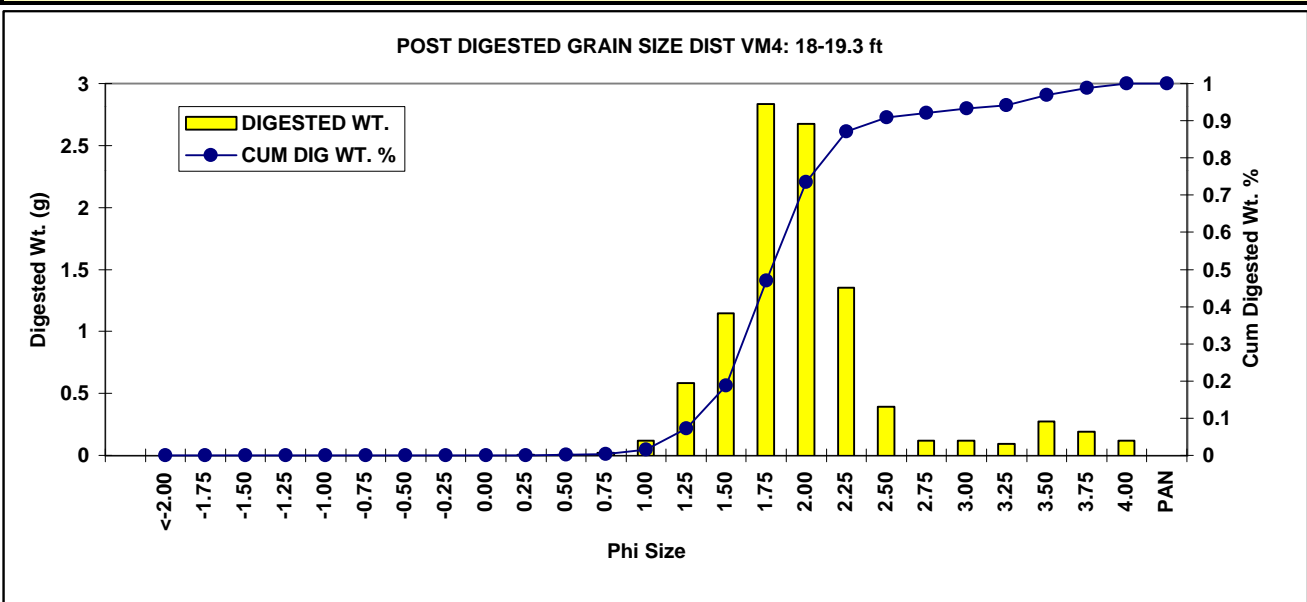


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VM4 : 18-19.3 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.062	0.000	0.000	0.000000000	0.000000000
-1.50	0.078	0.000	0.000	0.000000000	0.000000000
-1.25	0.175	0.000	0.000	0.000000000	0.000000000
-1.00	0.409	0.000	0.000	0.000000000	0.000000000
-0.75	1.039	0.000	0.000	0.000000000	0.000000000
-0.50	1.434	0.000	0.000	0.000000000	0.000000000
-0.25	2.017	0.000	0.000	0.000000000	0.000000000
0.00	2.138	0.001	0.001	0.00099572	0.00099572
0.25	2.937	0.004	0.005	0.000398287	0.000497859
0.50	3.079	0.005	0.010	0.000497859	0.000995718
0.75	3.703	0.021	0.031	0.002091009	0.003086727
1.00	5.275	0.117	0.148	0.011649905	0.014736632
1.25	6.350	0.582	0.730	0.057950812	0.072687444
1.50	8.013	1.148	1.878	0.114308474	0.186995918
1.75	10.152	2.833	4.711	0.282087026	0.469082943
2.00	6.694	2.674	7.385	0.266255103	0.735338046
2.25	3.269	1.353	8.738	0.134720701	0.870058747
2.50	2.263	0.393	9.131	0.039131734	0.909190481
2.75	1.237	0.120	9.251	0.011948621	0.921139102
3.00	0.735	0.118	9.369	0.011749477	0.932888579
3.25	0.454	0.092	9.461	0.009160609	0.942049188
3.50	0.382	0.272	9.733	0.027083541	0.969132729
3.75	0.315	0.189	9.922	0.018819078	0.987951807
4.00	0.326	0.121	10.043	0.012048193	1.000000000
PAN	0.091	0.000	10.043	0.000000000	1.0

<b>TOTAL WT.</b>	62.627	grams
<b>DIGESTED WT.</b>	10.043	grams
<b>% SILICA</b>	16.036	

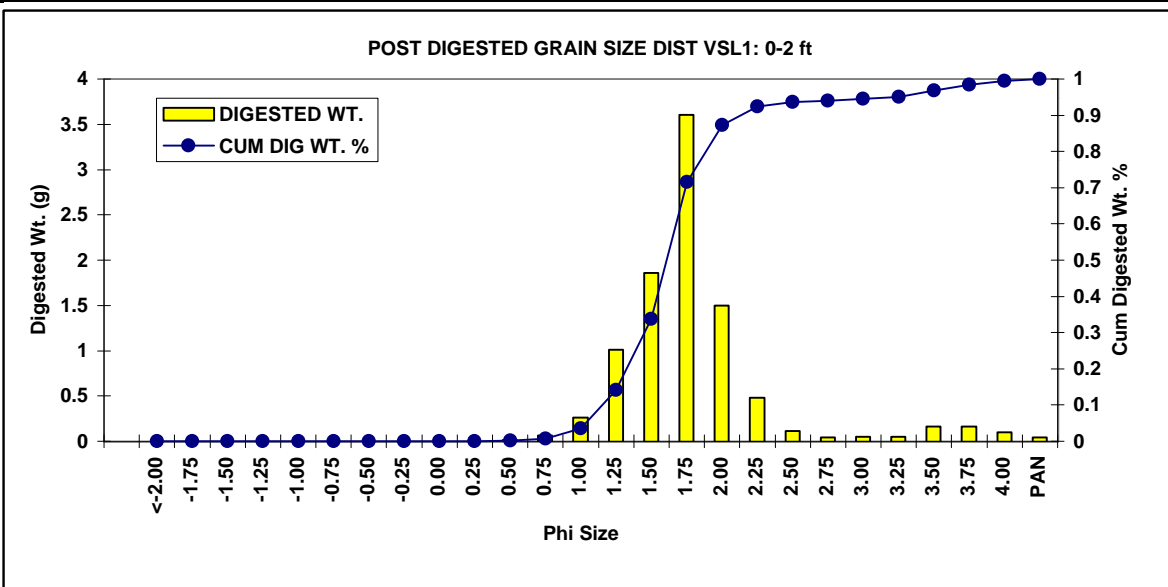


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL1 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.665	0.000	0.000	0.000000000	0.000000000
-1.75	0.970	0.000	0.000	0.000000000	0.000000000
-1.50	1.086	0.000	0.000	0.000000000	0.000000000
-1.25	1.635	0.000	0.000	0.000000000	0.000000000
-1.00	2.347	0.000	0.000	0.000000000	0.000000000
-0.75	3.071	0.000	0.000	0.000000000	0.000000000
-0.50	3.701	0.000	0.000	0.000000000	0.000000000
-0.25	4.063	0.000	0.000	0.000000000	0.000000000
0.00	3.719	0.000	0.000	0.000000000	0.000000000
0.25	4.189	0.000	0.000	0.000000000	0.000000000
0.50	3.887	0.012	0.012	0.001260239	0.001260239
0.75	4.004	0.061	0.073	0.006406217	0.007666457
1.00	5.131	0.265	0.338	0.027830288	0.035496744
1.25	6.403	1.011	1.349	0.106175173	0.141671918
1.50	7.525	1.857	3.206	0.195022054	0.336693972
1.75	10.454	3.607	6.813	0.378806973	0.715500945
2.00	6.462	1.499	8.312	0.157424911	0.872925856
2.25	2.832	0.483	8.795	0.050724638	0.923650494
2.50	0.685	0.114	8.909	0.011972275	0.935622768
2.75	0.147	0.043	8.952	0.004515858	0.940138626
3.00	0.084	0.052	9.004	0.005461038	0.945599664
3.25	0.050	0.046	9.050	0.004830918	0.950430582
3.50	0.196	0.162	9.212	0.017013233	0.967443814
3.75	0.174	0.165	9.377	0.017328292	0.984772107
4.00	0.106	0.101	9.478	0.010607015	0.995379122
PAN	0.061	0.044	9.522	0.004620878	1.0

<b>TOTAL WT.</b>	73.647	grams
<b>DIGESTED WT.</b>	9.522	grams
<b>% SILICA</b>	12.929	

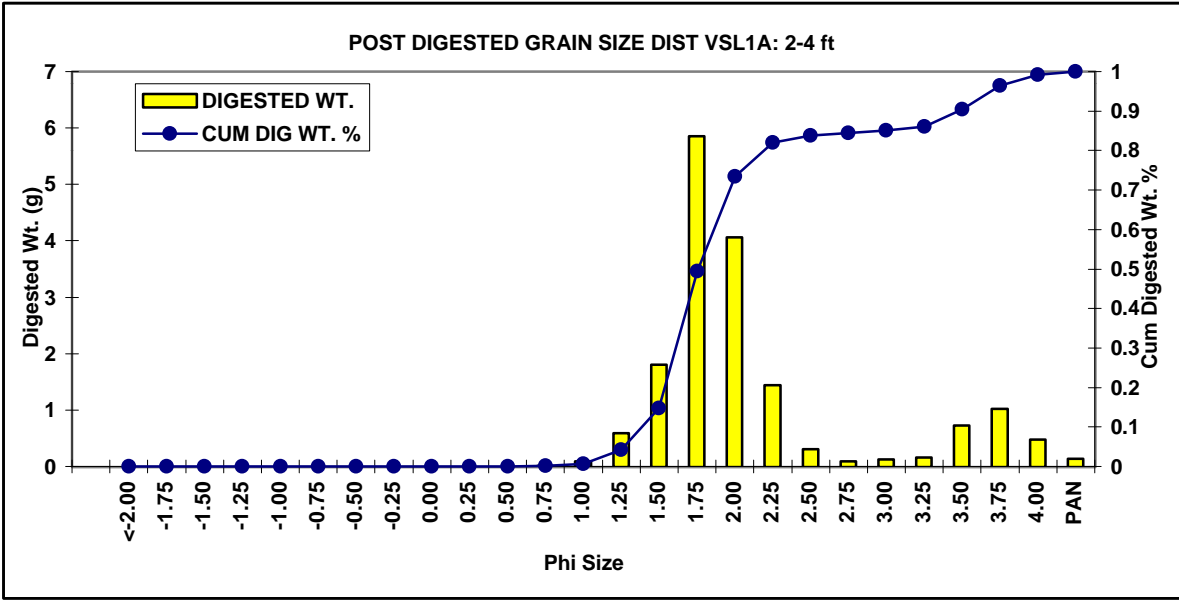


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL1 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.114	0.000	0.000	0.000000000	0.000000000
-1.75	0.127	0.000	0.000	0.000000000	0.000000000
-1.50	0.148	0.000	0.000	0.000000000	0.000000000
-1.25	0.391	0.000	0.000	0.000000000	0.000000000
-1.00	0.853	0.000	0.000	0.000000000	0.000000000
-0.75	1.337	0.000	0.000	0.000000000	0.000000000
-0.50	1.517	0.000	0.000	0.000000000	0.000000000
-0.25	1.817	0.000	0.000	0.000000000	0.000000000
0.00	1.779	0.000	0.000	0.000000000	0.000000000
0.25	2.251	0.000	0.000	0.000000000	0.000000000
0.50	2.304	0.001	0.001	0.000059172	0.000059172
0.75	2.727	0.014	0.015	0.000828402	0.00087574
1.00	3.910	0.095	0.110	0.005621302	0.006508876
1.25	5.599	0.589	0.699	0.034852071	0.041360947
1.50	6.582	1.805	2.504	0.106804734	0.148165680
1.75	16.037	5.859	8.363	0.346686391	0.494852071
2.00	14.119	4.057	12.420	0.240059172	0.734911243
2.25	8.591	1.440	13.860	0.085207101	0.820118343
2.50	3.128	0.310	14.170	0.018343195	0.838461538
2.75	0.688	0.088	14.258	0.005207101	0.843668639
3.00	0.361	0.123	14.381	0.007278107	0.850946746
3.25	0.231	0.160	14.541	0.009467456	0.860414201
3.50	0.995	0.730	15.271	0.043195266	0.903609467
3.75	1.115	1.018	16.289	0.060236686	0.963846154
4.00	0.552	0.477	16.766	0.028224852	0.992071006
PAN	0.210	0.134	16.900	0.007928994	1.0

TOTAL WT. 77.483 grams  
 DIGESTED WT. 16.900 grams  
 % SILICA 21.811

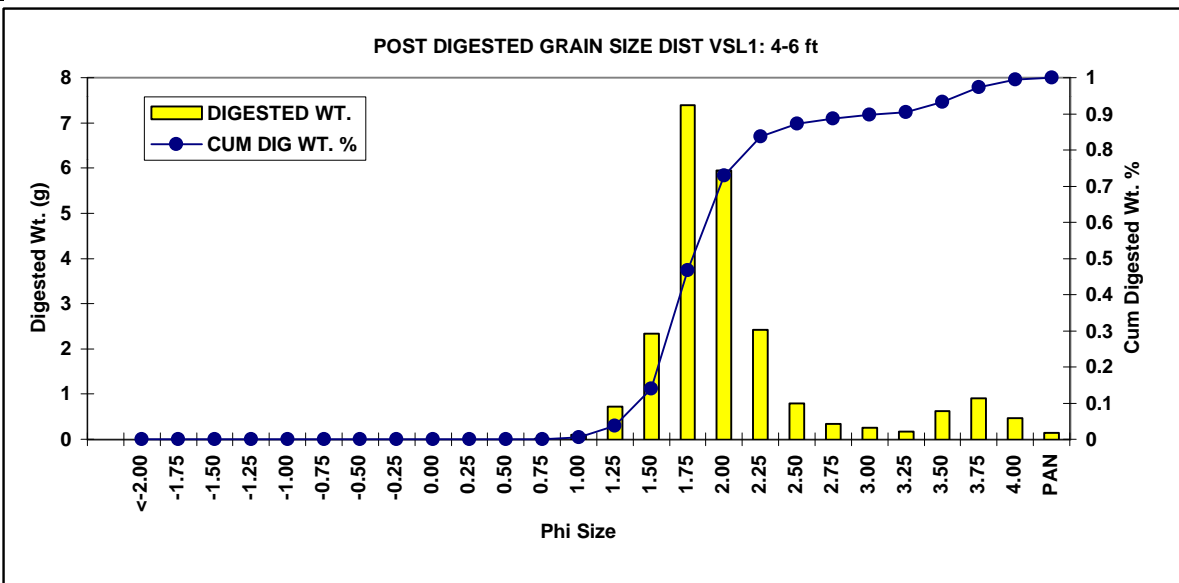


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL1 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.265	0.000	0.000	0.000000000	0.000000000
-1.75	0.222	0.000	0.000	0.000000000	0.000000000
-1.50	0.197	0.000	0.000	0.000000000	0.000000000
-1.25	0.281	0.000	0.000	0.000000000	0.000000000
-1.00	0.440	0.000	0.000	0.000000000	0.000000000
-0.75	0.556	0.000	0.000	0.000000000	0.000000000
-0.50	0.867	0.000	0.000	0.000000000	0.000000000
-0.25	1.128	0.000	0.000	0.000000000	0.000000000
0.00	1.243	0.000	0.000	0.000000000	0.000000000
0.25	1.815	0.000	0.000	0.000000000	0.000000000
0.50	2.010	0.000	0.000	0.000000000	0.000000000
0.75	2.576	0.012	0.012	0.000530387	0.000530387
1.00	4.178	0.106	0.118	0.004685083	0.005215470
1.25	6.628	0.718	0.836	0.031734807	0.036950276
1.50	8.946	2.338	3.174	0.103337017	0.140287293
1.75	21.051	7.396	10.570	0.326895028	0.467182320
2.00	18.184	5.940	16.510	0.262541436	0.729723757
2.25	10.489	2.426	18.936	0.107226519	0.836950276
2.50	4.012	0.788	19.724	0.034828729	0.871779006
2.75	0.796	0.340	20.064	0.015027624	0.886806630
3.00	0.316	0.251	20.315	0.011093923	0.897900552
3.25	0.168	0.166	20.481	0.007337017	0.905237569
3.50	0.826	0.627	21.108	0.027712707	0.932950276
3.75	0.995	0.907	22.015	0.040088398	0.973038674
4.00	0.574	0.472	22.487	0.020861878	0.993900552
PAN	0.183	0.138	22.625	0.006099448	1.0

TOTAL WT. 88.946 grams  
 DIGESTED WT. 22.625 grams  
 % SILICA 25.437

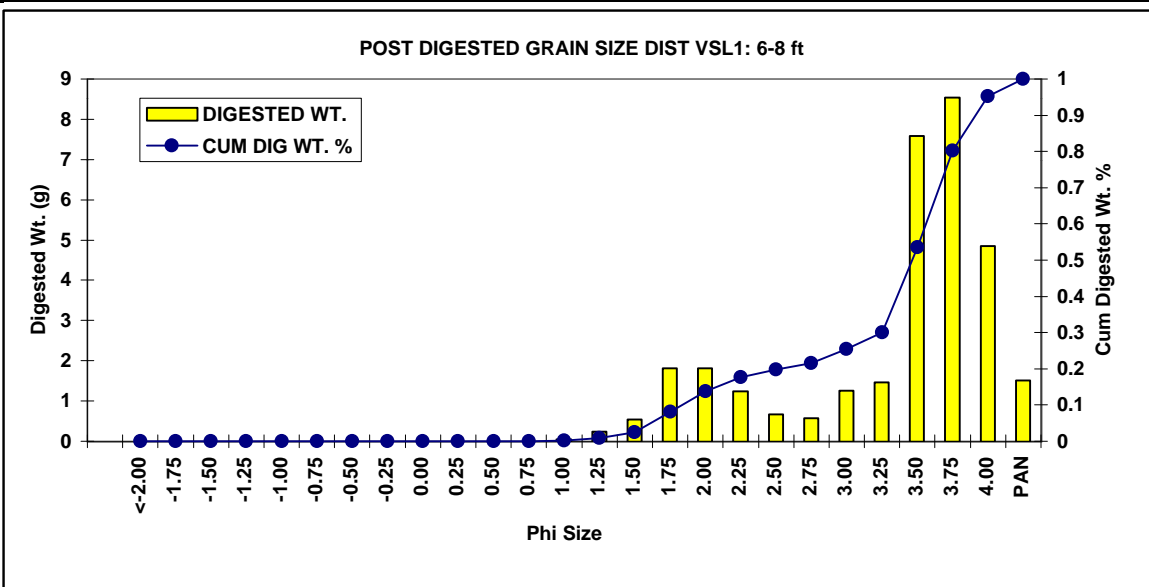


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL1 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.348	0.000	0.000	0.000000000	0.000000000
-1.50	0.761	0.000	0.000	0.000000000	0.000000000
-1.25	0.756	0.000	0.000	0.000000000	0.000000000
-1.00	1.224	0.000	0.000	0.000000000	0.000000000
-0.75	2.017	0.000	0.000	0.000000000	0.000000000
-0.50	2.505	0.000	0.000	0.000000000	0.000000000
-0.25	2.855	0.000	0.000	0.000000000	0.000000000
0.00	2.432	0.000	0.000	0.000000000	0.000000000
0.25	2.723	0.003	0.003	0.000093475	0.000093475
0.50	2.313	0.001	0.004	0.000031158	0.000124634
0.75	2.260	0.007	0.011	0.000218109	0.000342743
1.00	2.778	0.041	0.052	0.001277497	0.001620241
1.25	3.116	0.232	0.284	0.007228766	0.008849006
1.50	3.062	0.533	0.817	0.016607466	0.025456472
1.75	7.541	1.808	2.625	0.056334517	0.081790989
2.00	5.977	1.807	4.432	0.056303359	0.138094348
2.25	5.617	1.238	5.670	0.038574188	0.176668536
2.50	4.784	0.667	6.337	0.020782701	0.197451237
2.75	3.516	0.580	6.917	0.018071914	0.215523151
3.00	4.073	1.251	8.168	0.038979248	0.254502399
3.25	3.586	1.456	9.624	0.045366735	0.299869134
3.50	9.536	7.582	17.206	0.236243535	0.536112669
3.75	9.475	8.536	25.742	0.265968717	0.802081386
4.00	5.366	4.847	30.589	0.151025114	0.953106500
PAN	1.771	1.505	32.094	0.046893500	1.0

<b>TOTAL WT.</b>	90.392	grams
<b>DIGESTED WT.</b>	32.094	grams
<b>% SILICA</b>	35.505	

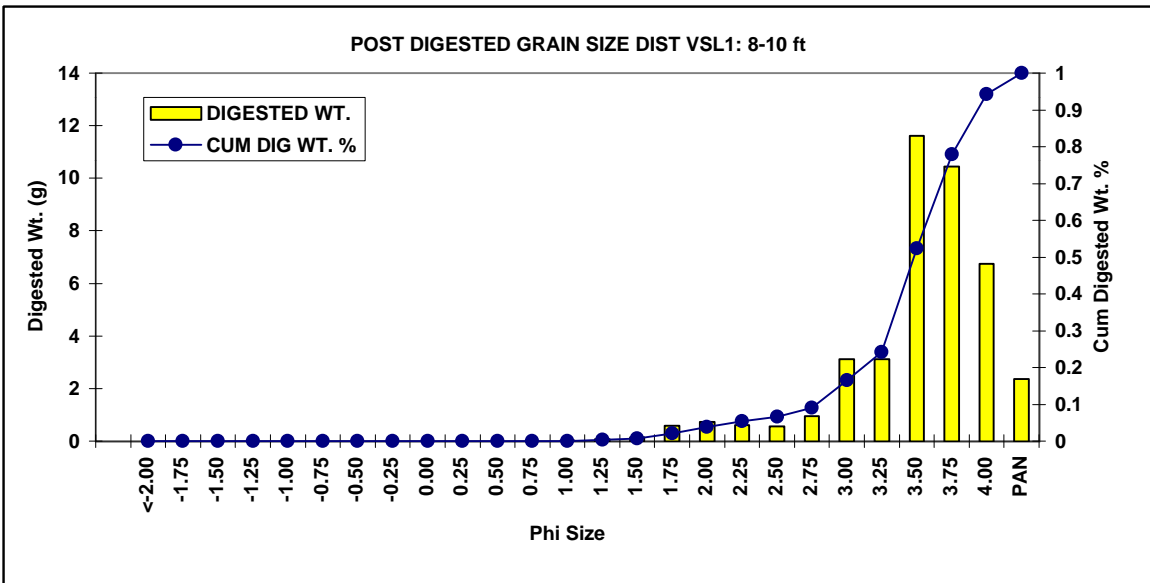


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL1 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.058	0.000	0.000	0.000000000	0.000000000
-1.75	0.142	0.000	0.000	0.000000000	0.000000000
-1.50	0.244	0.000	0.000	0.000000000	0.000000000
-1.25	0.200	0.000	0.000	0.000000000	0.000000000
-1.00	0.425	0.000	0.000	0.000000000	0.000000000
-0.75	0.459	0.000	0.000	0.000000000	0.000000000
-0.50	0.576	0.000	0.000	0.000000000	0.000000000
-0.25	0.657	0.000	0.000	0.000000000	0.000000000
0.00	0.626	0.000	0.000	0.000000000	0.000000000
0.25	0.843	0.002	0.002	0.000048655	0.000048655
0.50	0.868	0.003	0.005	0.000072982	0.000121637
0.75	0.938	0.008	0.013	0.000194619	0.000316256
1.00	1.268	0.018	0.031	0.000437892	0.000754148
1.25	1.501	0.078	0.109	0.001897533	0.002651681
1.50	1.387	0.150	0.259	0.003649102	0.006300783
1.75	2.907	0.591	0.850	0.014377463	0.020678246
2.00	3.130	0.740	1.590	0.018002238	0.038680485
2.25	3.648	0.600	2.190	0.014596409	0.053276894
2.50	4.914	0.561	2.751	0.013647643	0.066924537
2.75	6.330	0.955	3.706	0.023232618	0.090157155
3.00	9.575	3.109	6.815	0.075633727	0.165790882
3.25	7.762	3.110	9.925	0.075658055	0.241448937
3.50	14.299	11.626	21.551	0.282829757	0.524278694
3.75	12.240	10.443	31.994	0.254050504	0.778329198
4.00	7.458	6.745	38.739	0.164087968	0.942417165
PAN	2.730	2.367	41.106	0.057582835	1.0

<b>TOTAL WT.</b>	85.185	grams
<b>DIGESTED WT.</b>	41.106	grams
<b>% SILICA</b>	48.255	

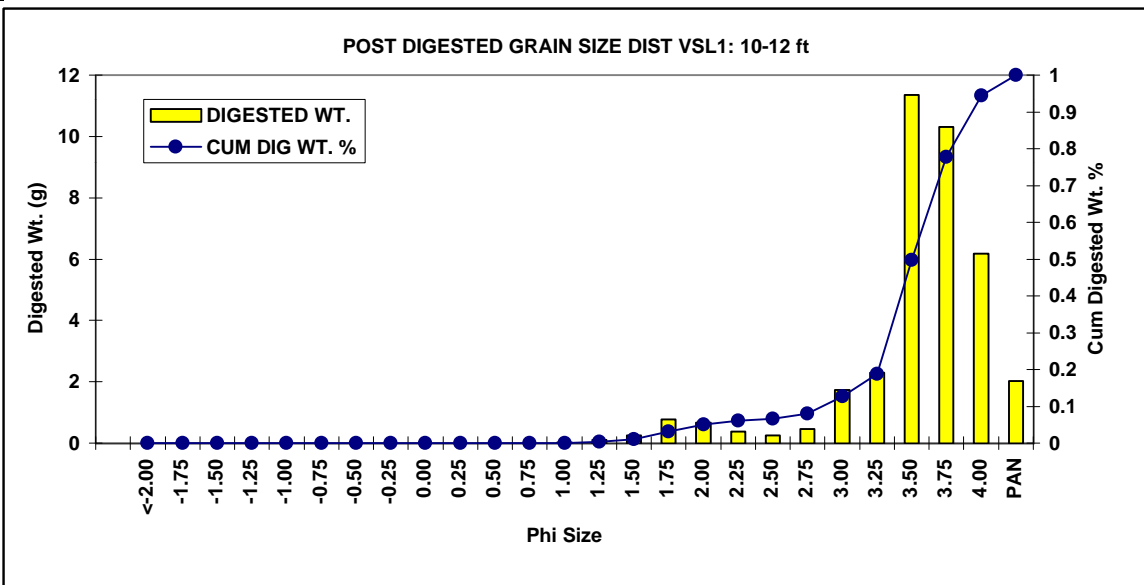


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL1 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.647	0.000	0.000	0.000000000	0.000000000
-1.75	0.247	0.000	0.000	0.000000000	0.000000000
-1.50	0.276	0.000	0.000	0.000000000	0.000000000
-1.25	0.259	0.000	0.000	0.000000000	0.000000000
-1.00	0.491	0.000	0.000	0.000000000	0.000000000
-0.75	0.850	0.000	0.000	0.000000000	0.000000000
-0.50	0.888	0.000	0.000	0.000000000	0.000000000
-0.25	1.089	0.000	0.000	0.000000000	0.000000000
0.00	1.104	0.003	0.003	0.000081473	0.000081473
0.25	1.319	0.000	0.003	0.000000000	0.000081473
0.50	1.221	0.000	0.003	0.000000000	0.000081473
0.75	1.275	0.007	0.010	0.000190104	0.000271577
1.00	1.536	0.022	0.032	0.000597469	0.000869046
1.25	1.584	0.106	0.138	0.002878714	0.003747759
1.50	1.513	0.259	0.397	0.007033838	0.010781598
1.75	2.923	0.781	1.178	0.021210146	0.031991744
2.00	2.574	0.658	1.836	0.017869752	0.049861496
2.25	2.350	0.379	2.215	0.010292760	0.060154256
2.50	2.532	0.245	2.460	0.006653631	0.066807887
2.75	3.051	0.456	2.916	0.012383901	0.079191788
3.00	5.522	1.728	4.644	0.046928467	0.126120254
3.25	6.178	2.301	6.945	0.062489816	0.188610070
3.50	13.084	11.355	18.300	0.308375428	0.496985498
3.75	12.157	10.302	28.602	0.279778393	0.776763891
4.00	6.985	6.186	34.788	0.167997393	0.944761284
PAN	2.549	2.034	36.822	0.055238716	1.0

<b>TOTAL WT.</b>	74.204	grams
<b>DIGESTED WT.</b>	36.822	grams
<b>% SILICA</b>	49.623	

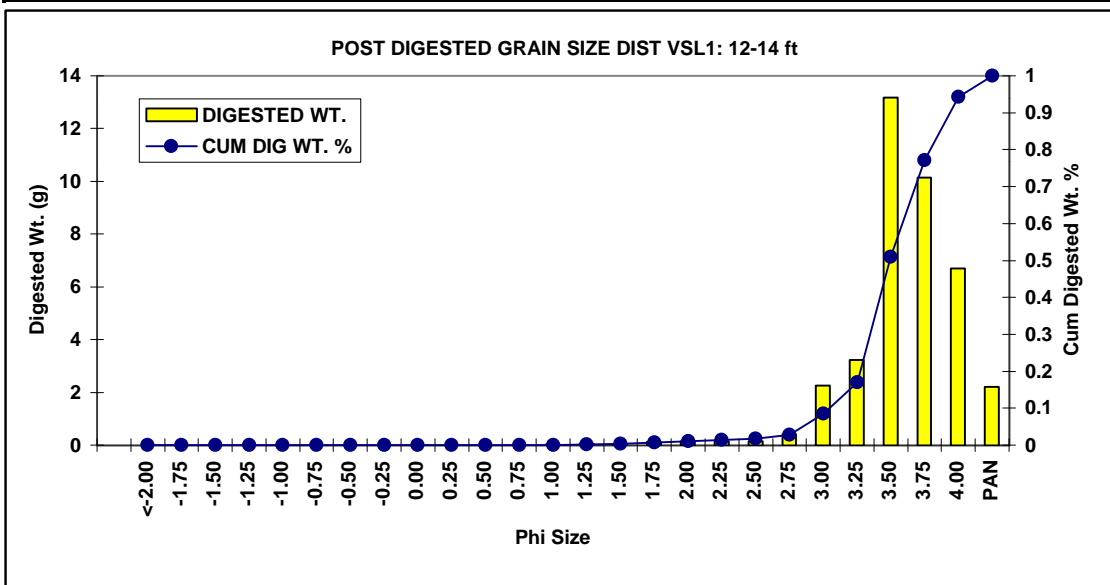


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL1 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.465	0.000	0.000	0.000000000	0.000000000
-1.75	0.425	0.000	0.000	0.000000000	0.000000000
-1.50	0.676	0.000	0.000	0.000000000	0.000000000
-1.25	0.886	0.000	0.000	0.000000000	0.000000000
-1.00	0.930	0.000	0.000	0.000000000	0.000000000
-0.75	1.167	0.000	0.000	0.000000000	0.000000000
-0.50	1.179	0.000	0.000	0.000000000	0.000000000
-0.25	1.190	0.000	0.000	0.000000000	0.000000000
0.00	1.044	0.000	0.000	0.000000000	0.000000000
0.25	1.139	0.000	0.000	0.000000000	0.000000000
0.50	0.907	0.000	0.000	0.000000000	0.000000000
0.75	0.783	0.005	0.005	0.000128866	0.000128866
1.00	0.794	0.017	0.022	0.000438144	0.000567010
1.25	0.718	0.039	0.061	0.001005155	0.001572165
1.50	0.477	0.048	0.109	0.001237113	0.002809278
1.75	0.958	0.131	0.240	0.003376289	0.006185567
2.00	1.001	0.138	0.378	0.003556701	0.009742268
2.25	1.313	0.135	0.513	0.003479381	0.013221649
2.50	2.116	0.150	0.663	0.003865979	0.017087629
2.75	3.548	0.419	1.082	0.010798969	0.027886598
3.00	8.451	2.246	3.328	0.057886598	0.085773196
3.25	9.564	3.231	6.559	0.083273196	0.169046392
3.50	17.110	13.183	19.742	0.339768041	0.508814433
3.75	13.755	10.152	29.894	0.261649485	0.770463918
4.00	8.479	6.691	36.585	0.172448454	0.942912371
PAN	3.051	2.215	38.800	0.057087629	1.0

**TOTAL WT.** 83.126 grams  
**DIGESTED WT.** 38.800 grams  
**% SILICA** 46.676



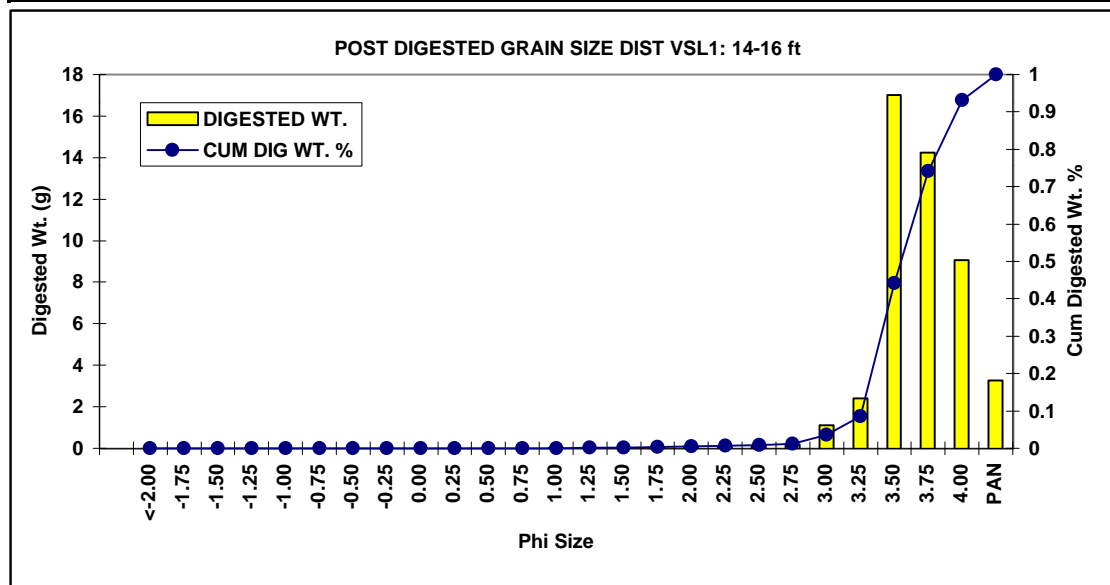


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL1 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.296	0.000	0.000	0.000000000	0.000000000
-1.75	0.035	0.000	0.000	0.000000000	0.000000000
-1.50	0.043	0.000	0.000	0.000000000	0.000000000
-1.25	0.062	0.000	0.000	0.000000000	0.000000000
-1.00	0.112	0.000	0.000	0.000000000	0.000000000
-0.75	0.189	0.000	0.000	0.000000000	0.000000000
-0.50	0.191	0.000	0.000	0.000000000	0.000000000
-0.25	0.197	0.000	0.000	0.000000000	0.000000000
0.00	0.196	0.000	0.000	0.000000000	0.000000000
0.25	0.246	0.000	0.000	0.000000000	0.000000000
0.50	0.254	0.003	0.003	0.000062958	0.000062958
0.75	0.251	0.007	0.010	0.000146901	0.000209859
1.00	0.305	0.017	0.027	0.000356761	0.000566620
1.25	0.312	0.025	0.052	0.000524648	0.001091268
1.50	0.263	0.029	0.081	0.000608592	0.001699859
1.75	0.422	0.068	0.149	0.001427042	0.003126902
2.00	0.431	0.086	0.235	0.001804789	0.004931691
2.25	0.548	0.073	0.308	0.001531972	0.006463663
2.50	0.906	0.084	0.392	0.001762817	0.008226480
2.75	1.496	0.181	0.573	0.003798451	0.012024931
3.00	3.835	1.107	1.680	0.023231412	0.035256343
3.25	6.982	2.409	4.089	0.050555078	0.085811421
3.50	19.472	17.001	21.090	0.356781600	0.442593020
3.75	16.650	14.242	35.332	0.298881451	0.741474471
4.00	10.023	9.064	44.396	0.190216365	0.931690835
PAN	3.725	3.255	47.651	0.068309165	1.0

**TOTAL WT.** 67.442 grams  
**DIGESTED WT.** 47.651 grams  
**% SILICA** 70.655

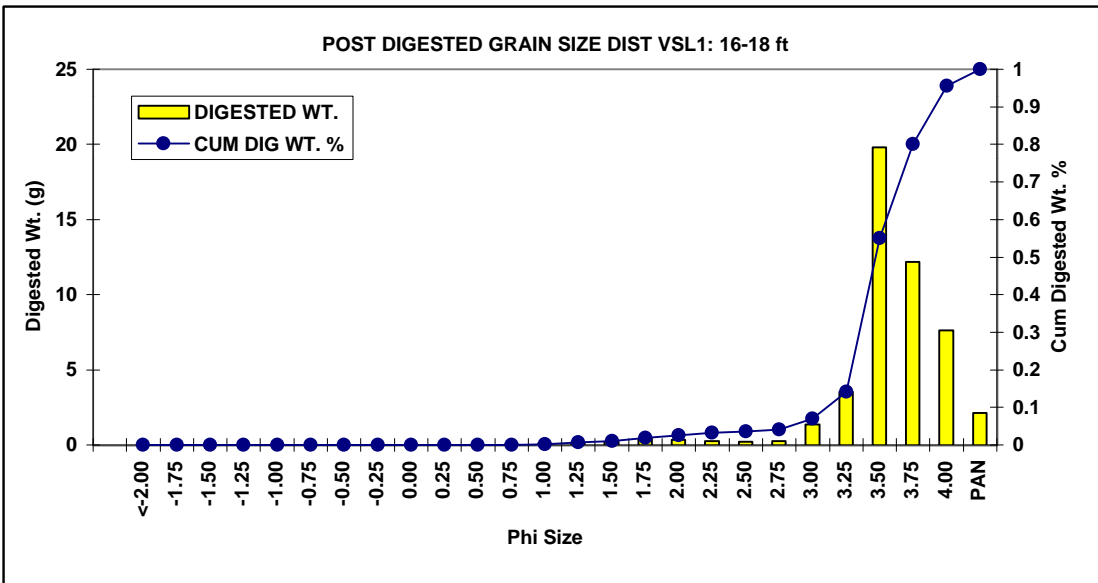


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL1 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	4.440	0.000	0.000	0.000000000	0.000000000
-1.75	0.797	0.000	0.000	0.000000000	0.000000000
-1.50	1.144	0.000	0.000	0.000000000	0.000000000
-1.25	1.382	0.000	0.000	0.000000000	0.000000000
-1.00	1.269	0.000	0.000	0.000000000	0.000000000
-0.75	1.175	0.000	0.000	0.000000000	0.000000000
-0.50	1.250	0.000	0.000	0.000000000	0.000000000
-0.25	1.172	0.000	0.000	0.000000000	0.000000000
0.00	0.999	0.000	0.000	0.000000000	0.000000000
0.25	1.018	0.006	0.006	0.000123388	0.000123388
0.50	0.904	0.006	0.012	0.000123388	0.000246776
0.75	0.892	0.026	0.038	0.000534682	0.000781459
1.00	1.183	0.074	0.112	0.001521788	0.002303247
1.25	1.231	0.181	0.293	0.003722212	0.006025459
1.50	0.969	0.215	0.508	0.004421412	0.010446871
1.75	1.575	0.423	0.931	0.008698871	0.019145742
2.00	1.262	0.351	1.282	0.007218212	0.026363954
2.25	1.229	0.271	1.553	0.005573036	0.031936990
2.50	1.541	0.210	1.763	0.004318588	0.036255578
2.75	1.959	0.247	2.010	0.005079483	0.041335061
3.00	4.596	1.361	3.371	0.027988566	0.069323627
3.25	9.253	3.531	6.902	0.072613980	0.141937607
3.50	19.838	19.817	26.719	0.407530796	0.549468402
3.75	17.234	12.175	38.894	0.250375306	0.799843708
4.00	9.409	7.606	46.500	0.156415160	0.956258869
PAN	3.133	2.127	48.627	0.043741131	1.0

TOTAL WT. 90.854 grams  
 DIGESTED WT. 48.627 grams  
 % SILICA 53.522

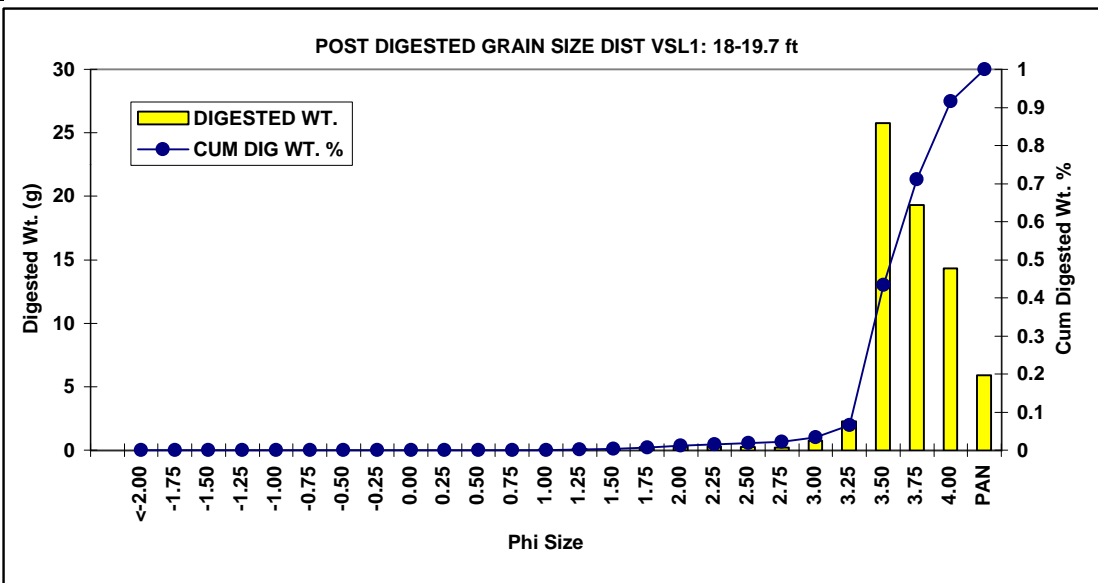


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL1 18-19.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	5.709	0.000	0.000	0.000000000	0.000000000
-1.75	1.067	0.000	0.000	0.000000000	0.000000000
-1.50	0.947	0.000	0.000	0.000000000	0.000000000
-1.25	0.690	0.000	0.000	0.000000000	0.000000000
-1.00	0.974	0.000	0.000	0.000000000	0.000000000
-0.75	0.740	0.000	0.000	0.000000000	0.000000000
-0.50	0.807	0.000	0.000	0.000000000	0.000000000
-0.25	0.634	0.000	0.000	0.000000000	0.000000000
0.00	0.495	0.000	0.000	0.000000000	0.000000000
0.25	0.507	0.001	0.001	0.000014319	0.000014319
0.50	0.482	0.004	0.005	0.000057275	0.000071593
0.75	0.489	0.011	0.016	0.000157505	0.000229098
1.00	0.627	0.028	0.044	0.000400922	0.000630020
1.25	0.708	0.088	0.132	0.001260041	0.001890061
1.50	0.620	0.119	0.251	0.001703919	0.003593980
1.75	1.049	0.259	0.510	0.003708530	0.007302510
2.00	1.028	0.315	0.825	0.004510374	0.011812884
2.25	1.134	0.284	1.109	0.004066496	0.015879380
2.50	1.362	0.231	1.340	0.003307607	0.019186987
2.75	1.455	0.209	1.549	0.002992597	0.022179584
3.00	2.739	0.757	2.306	0.010839216	0.033018800
3.25	6.948	2.262	4.568	0.032388780	0.065407580
3.50	25.834	25.762	30.330	0.368876989	0.434284569
3.75	26.010	19.303	49.633	0.276392846	0.710677415
4.00	19.081	14.303	63.936	0.204799611	0.915477026
PAN	7.654	5.903	69.839	0.084522974	1.0

TOTAL WT. 109.790 grams  
 DIGESTED WT. 69.839 grams  
 % SILICA 63.611

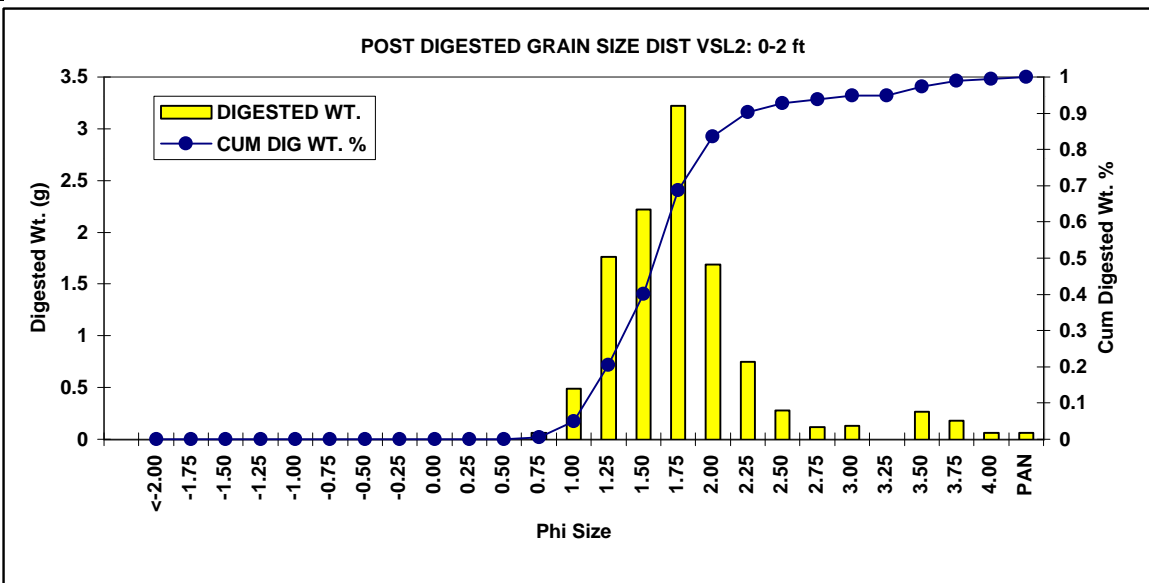


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL2 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.950	0.000	0.000	0.000000000	0.000000000
-1.75	0.387	0.000	0.000	0.000000000	0.000000000
-1.50	0.516	0.000	0.000	0.000000000	0.000000000
-1.25	0.937	0.000	0.000	0.000000000	0.000000000
-1.00	1.189	0.000	0.000	0.000000000	0.000000000
-0.75	1.735	0.000	0.000	0.000000000	0.000000000
-0.50	2.398	0.000	0.000	0.000000000	0.000000000
-0.25	3.229	0.000	0.000	0.000000000	0.000000000
0.00	3.522	0.000	0.000	0.000000000	0.000000000
0.25	4.834	0.000	0.000	0.000000000	0.000000000
0.50	5.013	0.003	0.003	0.000265722	0.000265722
0.75	5.819	0.059	0.062	0.005225864	0.005491585
1.00	8.239	0.487	0.549	0.043135518	0.048627104
1.25	10.714	1.761	2.310	0.155978742	0.204605846
1.50	9.947	2.221	4.531	0.196722764	0.401328609
1.75	13.268	3.224	7.755	0.285562445	0.686891054
2.00	8.605	1.686	9.441	0.149335695	0.836226749
2.25	4.830	0.750	10.191	0.066430469	0.902657219
2.50	2.142	0.281	10.472	0.024889283	0.927546501
2.75	0.701	0.115	10.587	0.010186005	0.937732507
3.00	0.367	0.131	10.718	0.011603189	0.949335695
3.25	0.073	0.000	10.718	0.000000000	0.949335695
3.50	0.352	0.267	10.985	0.023649247	0.972984942
3.75	0.205	0.182	11.167	0.016120461	0.989105403
4.00	0.116	0.064	11.231	0.005668733	0.994774136
PAN	0.067	0.059	11.290	0.005225864	1.0

TOTAL WT. 90.155 grams  
 DIGESTED WT. 11.290 grams  
 % SILICA 12.523

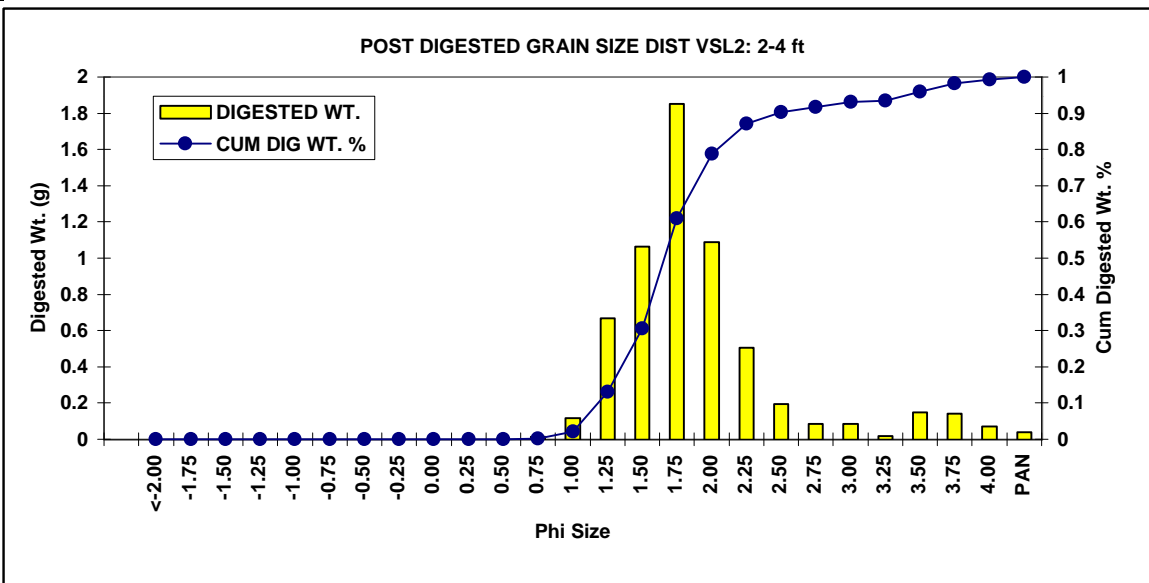


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL2 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.389	0.000	0.000	0.000000000	0.000000000
-1.75	0.491	0.000	0.000	0.000000000	0.000000000
-1.50	0.414	0.000	0.000	0.000000000	0.000000000
-1.25	0.743	0.000	0.000	0.000000000	0.000000000
-1.00	1.566	0.000	0.000	0.000000000	0.000000000
-0.75	1.810	0.000	0.000	0.000000000	0.000000000
-0.50	2.615	0.000	0.000	0.000000000	0.000000000
-0.25	3.130	0.000	0.000	0.000000000	0.000000000
0.00	3.229	0.000	0.000	0.000000000	0.000000000
0.25	4.222	0.000	0.000	0.000000000	0.000000000
0.50	4.183	0.001	0.001	0.000164312	0.000164312
0.75	4.434	0.013	0.014	0.002136050	0.002300361
1.00	5.576	0.116	0.130	0.019060138	0.021360500
1.25	5.550	0.669	0.799	0.109924417	0.131284916
1.50	6.298	1.062	1.861	0.174498850	0.305783766
1.75	8.253	1.851	3.712	0.304140651	0.609924417
2.00	5.760	1.089	4.801	0.178935261	0.788859678
2.25	3.524	0.504	5.305	0.082813013	0.871672691
2.50	1.665	0.194	5.499	0.031876438	0.903549129
2.75	0.662	0.085	5.584	0.013966480	0.917515610
3.00	0.550	0.085	5.669	0.013966480	0.931482090
3.25	0.033	0.016	5.685	0.002628985	0.934111075
3.50	0.229	0.149	5.834	0.024482419	0.958593493
3.75	0.143	0.142	5.976	0.023332238	0.981925731
4.00	0.077	0.071	6.047	0.011666119	0.993591850
PAN	0.040	0.039	6.086	0.006408150	1.0

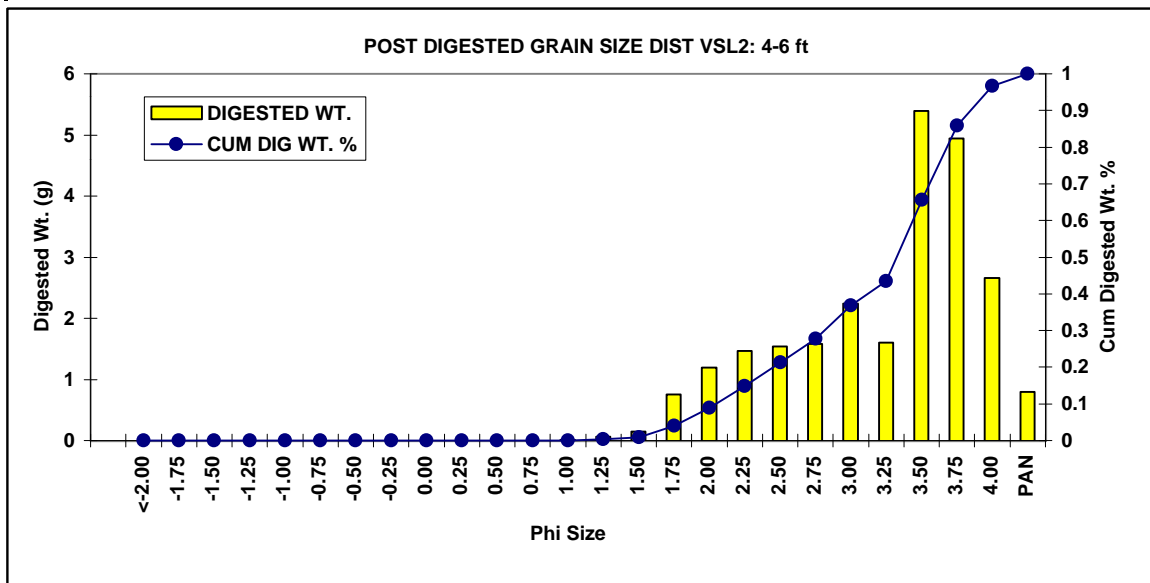
TOTAL WT. 65.586 grams  
 DIGESTED WT. 6.086 grams  
 % SILICA 9.279



# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL2 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.020	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.000	0.000	0.000	0.000000000	0.000000000
-1.25	0.036	0.000	0.000	0.000000000	0.000000000
-1.00	0.041	0.000	0.000	0.000000000	0.000000000
-0.75	0.115	0.000	0.000	0.000000000	0.000000000
-0.50	0.109	0.000	0.000	0.000000000	0.000000000
-0.25	0.200	0.000	0.000	0.000000000	0.000000000
0.00	0.260	0.000	0.000	0.000000000	0.000000000
0.25	0.478	0.000	0.000	0.000000000	0.000000000
0.50	0.623	0.000	0.000	0.000000000	0.000000000
0.75	0.923	0.002	0.002	0.00082018	0.00082018
1.00	1.613	0.009	0.011	0.000369079	0.000451097
1.25	2.190	0.068	0.079	0.002788600	0.003239697
1.50	2.576	0.144	0.223	0.005905270	0.009144966
1.75	5.492	0.754	0.977	0.030920648	0.040065614
2.00	6.749	1.195	2.172	0.049005536	0.089071150
2.25	8.721	1.464	3.636	0.060036908	0.149108058
2.50	10.551	1.538	5.174	0.063071560	0.212179619
2.75	9.199	1.586	6.760	0.065039984	0.277219602
3.00	7.985	2.236	8.996	0.091695715	0.368915317
3.25	5.304	1.599	10.595	0.065573098	0.434488415
3.50	6.728	5.397	15.992	0.221324585	0.655813000
3.75	6.229	4.944	20.936	0.202747591	0.858560591
4.00	3.102	2.655	23.591	0.108878409	0.967438999
PAN	1.185	0.794	24.385	0.032561001	1.0
<b>TOTAL WT.</b>			80.429	grams	
<b>DIGESTED WT.</b>			24.385	grams	
<b>% SILICA</b>			30.319		

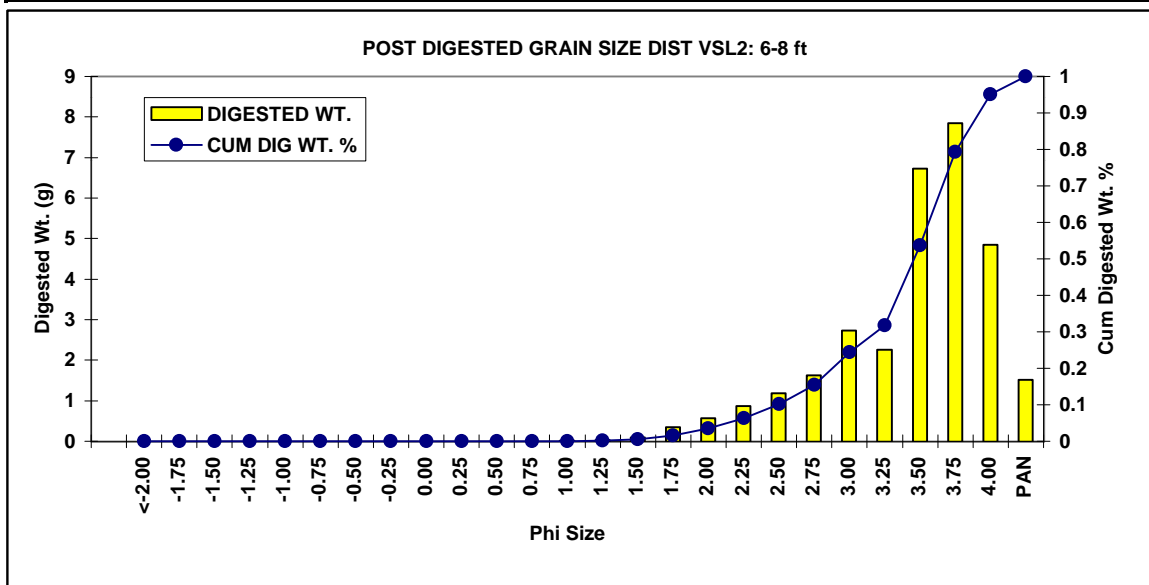


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL2 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.182	0.000	0.000	0.000000000	0.000000000
-1.75	0.101	0.000	0.000	0.000000000	0.000000000
-1.50	0.261	0.000	0.000	0.000000000	0.000000000
-1.25	0.198	0.000	0.000	0.000000000	0.000000000
-1.00	0.503	0.000	0.000	0.000000000	0.000000000
-0.75	0.567	0.000	0.000	0.000000000	0.000000000
-0.50	0.638	0.004	0.004	0.000130463	0.000130463
-0.25	0.713	0.002	0.006	0.000065232	0.000195695
0.00	0.746	0.004	0.010	0.000130463	0.000326158
0.25	0.927	0.001	0.011	0.000032616	0.000358774
0.50	0.924	0.000	0.011	0.000000000	0.000358774
0.75	1.087	0.006	0.017	0.000195695	0.000554468
1.00	1.558	0.008	0.025	0.000260926	0.000815395
1.25	1.697	0.029	0.054	0.000945858	0.001761252
1.50	1.665	0.095	0.149	0.003098500	0.004859752
1.75	3.149	0.350	0.499	0.011415525	0.016275277
2.00	3.797	0.570	1.069	0.018590998	0.034866275
2.25	5.513	0.871	1.940	0.028408350	0.063274625
2.50	8.494	1.183	3.123	0.038584475	0.101859100
2.75	9.809	1.625	4.748	0.053000652	0.154859752
3.00	10.079	2.735	7.483	0.089204175	0.244063927
3.25	6.321	2.251	9.734	0.073418134	0.317482061
3.50	9.517	6.724	16.458	0.219308545	0.536790607
3.75	8.733	7.845	24.303	0.255870841	0.792661448
4.00	5.089	4.841	29.144	0.157893020	0.950554468
PAN	1.893	1.516	30.660	0.049445532	1.0

TOTAL WT. 84.161 grams  
 DIGESTED WT. 30.660 grams  
 % SILICA 36.430

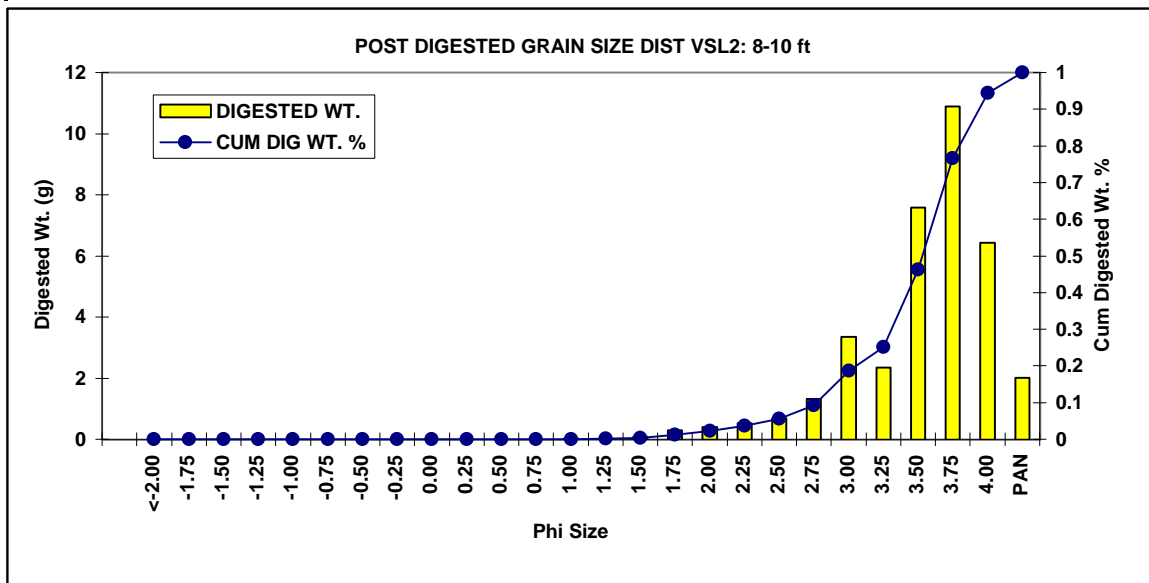


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL2 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.556	0.000	0.000	0.000000000	0.000000000
-1.75	0.105	0.000	0.000	0.000000000	0.000000000
-1.50	0.259	0.000	0.000	0.000000000	0.000000000
-1.25	0.522	0.000	0.000	0.000000000	0.000000000
-1.00	0.501	0.000	0.000	0.000000000	0.000000000
-0.75	0.750	0.000	0.000	0.000000000	0.000000000
-0.50	0.812	0.000	0.000	0.000000000	0.000000000
-0.25	0.885	0.000	0.000	0.000000000	0.000000000
0.00	0.863	0.000	0.000	0.000000000	0.000000000
0.25	1.004	0.000	0.000	0.000000000	0.000000000
0.50	1.016	0.002	0.002	0.000055678	0.000055678
0.75	1.033	0.005	0.007	0.000139194	0.000194872
1.00	1.327	0.013	0.020	0.000361905	0.000556777
1.25	1.406	0.025	0.045	0.000695972	0.001252749
1.50	1.356	0.087	0.132	0.002421982	0.003674731
1.75	2.396	0.288	0.420	0.008017594	0.011692325
2.00	2.846	0.392	0.812	0.010912837	0.022605161
2.25	4.146	0.518	1.330	0.014420534	0.037025695
2.50	6.724	0.698	2.028	0.019431530	0.056457226
2.75	8.787	1.311	3.339	0.036496757	0.092953982
3.00	11.283	3.345	6.684	0.093121016	0.186074998
3.25	8.608	2.350	9.034	0.065421341	0.251496339
3.50	12.403	7.577	16.611	0.210935108	0.462431447
3.75	10.930	10.888	27.499	0.303109602	0.765541048
4.00	6.470	6.421	33.920	0.178753375	0.944294424
PAN	2.006	2.001	35.921	0.055705576	1.0

**TOTAL WT.** 88.994 grams  
**DIGESTED WT.** 35.921 grams  
**% SILICA** 40.363



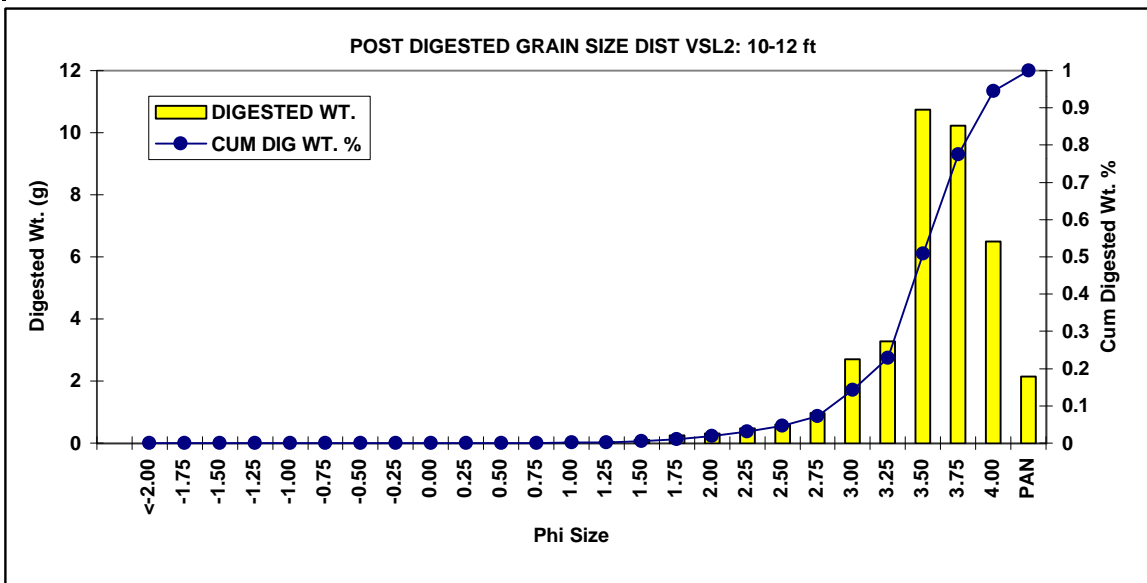


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL2 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.363	0.000	0.000	0.000000000	0.000000000
-1.75	0.169	0.000	0.000	0.000000000	0.000000000
-1.50	0.095	0.000	0.000	0.000000000	0.000000000
-1.25	0.103	0.000	0.000	0.000000000	0.000000000
-1.00	0.249	0.000	0.000	0.000000000	0.000000000
-0.75	0.195	0.000	0.000	0.000000000	0.000000000
-0.50	0.184	0.000	0.000	0.000000000	0.000000000
-0.25	0.221	0.000	0.000	0.000000000	0.000000000
0.00	0.223	0.000	0.000	0.000000000	0.000000000
0.25	0.296	0.000	0.000	0.000000000	0.000000000
0.50	0.348	0.003	0.003	0.000078260	0.000078260
0.75	0.440	0.008	0.011	0.000208692	0.000286952
1.00	0.725	0.029	0.040	0.000756509	0.001043460
1.25	0.938	0.044	0.084	0.001147806	0.002191266
1.50	0.876	0.104	0.188	0.002712996	0.004904263
1.75	1.624	0.238	0.426	0.006208588	0.011112850
2.00	1.887	0.313	0.739	0.008165075	0.019277926
2.25	2.700	0.464	1.203	0.012104137	0.031382063
2.50	4.278	0.597	1.800	0.015573642	0.046955705
2.75	5.974	0.962	2.762	0.025095216	0.072050921
3.00	10.108	2.695	5.457	0.070303125	0.142354046
3.25	8.353	3.283	8.740	0.085641989	0.227996035
3.50	15.278	10.738	19.478	0.280116868	0.508112902
3.75	11.060	10.227	29.705	0.266786665	0.774899567
4.00	6.667	6.491	36.196	0.169327490	0.944227057
PAN	2.321	2.138	38.334	0.055772943	1.0

TOTAL WT. 75.675 grams  
 DIGESTED WT. 38.334 grams  
 % SILICA 50.656

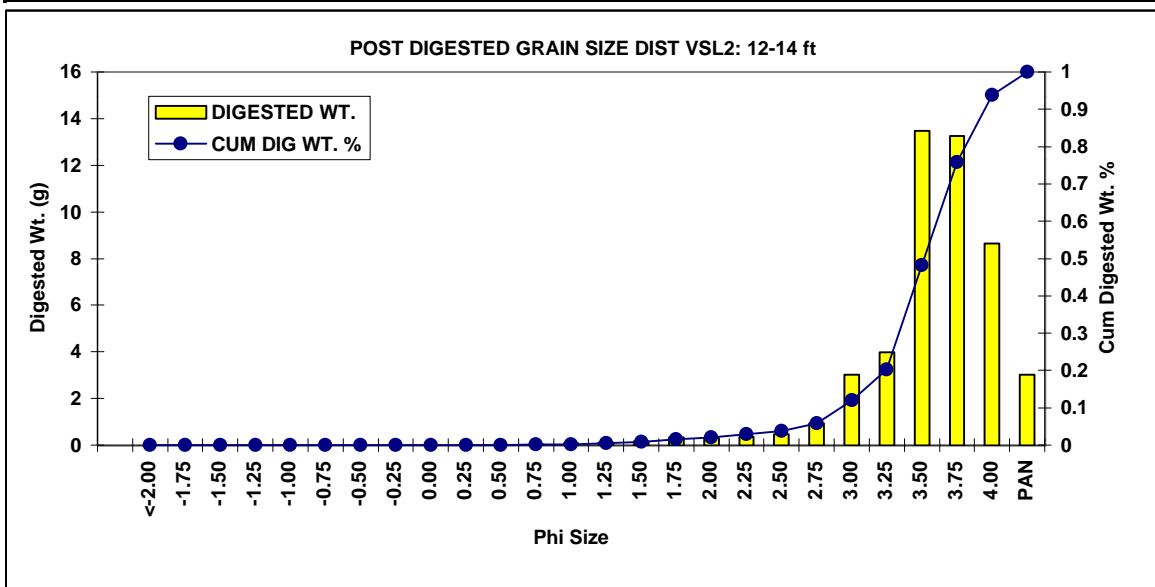


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL2 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.196	0.000	0.000	0.000000000	0.000000000
-1.75	0.140	0.000	0.000	0.000000000	0.000000000
-1.50	0.369	0.000	0.000	0.000000000	0.000000000
-1.25	0.550	0.000	0.000	0.000000000	0.000000000
-1.00	0.657	0.000	0.000	0.000000000	0.000000000
-0.75	0.755	0.000	0.000	0.000000000	0.000000000
-0.50	0.891	0.000	0.000	0.000000000	0.000000000
-0.25	0.844	0.000	0.000	0.000000000	0.000000000
0.00	0.945	0.000	0.000	0.000000000	0.000000000
0.25	1.274	0.002	0.002	0.000041557	0.000041557
0.50	1.417	0.013	0.015	0.000270119	0.000311675
0.75	1.497	0.033	0.048	0.000685686	0.000997361
1.00	1.645	0.074	0.122	0.001537598	0.002534960
1.25	1.554	0.098	0.220	0.002036279	0.004571239
1.50	1.197	0.176	0.396	0.003656991	0.008228229
1.75	2.000	0.327	0.723	0.006794523	0.015022752
2.00	2.018	0.302	1.025	0.006275064	0.021297816
2.25	2.641	0.364	1.389	0.007563322	0.028861138
2.50	4.241	0.465	1.854	0.009661936	0.038523074
2.75	6.434	0.928	2.782	0.019282316	0.057805390
3.00	11.997	3.012	5.794	0.062584412	0.120389802
3.25	10.757	3.968	9.762	0.082448522	0.202838324
3.50	18.728	13.463	23.225	0.279739024	0.482577347
3.75	14.600	13.247	36.472	0.275250899	0.757828246
4.00	9.049	8.649	45.121	0.179712012	0.937540258
PAN	3.314	3.006	48.127	0.062459742	1.0

<b>TOTAL WT.</b>	99.710	grams
<b>DIGESTED WT.</b>	48.127	grams
<b>% SILICA</b>	48.267	

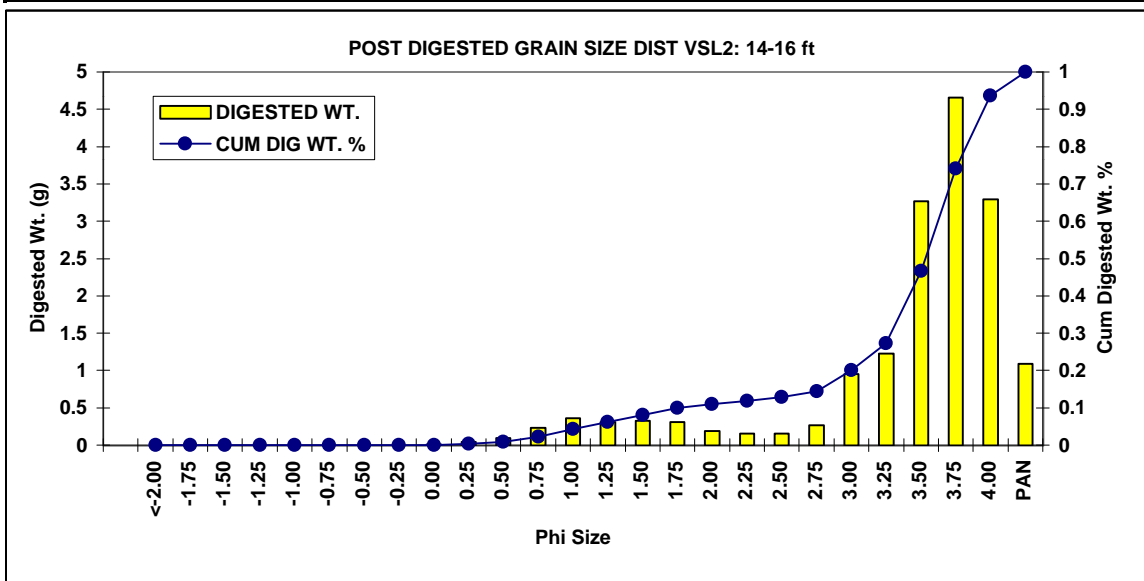


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL2 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	15.464	0.000	0.000	0.000000000	0.000000000
-1.75	2.241	0.000	0.000	0.000000000	0.000000000
-1.50	1.640	0.000	0.000	0.000000000	0.000000000
-1.25	2.024	0.000	0.000	0.000000000	0.000000000
-1.00	2.432	0.000	0.000	0.000000000	0.000000000
-0.75	3.474	0.000	0.000	0.000000000	0.000000000
-0.50	2.715	0.000	0.000	0.000000000	0.000000000
-0.25	2.947	0.000	0.000	0.000000000	0.000000000
0.00	2.513	0.007	0.007	0.000413467	0.000413467
0.25	3.204	0.043	0.050	0.002539870	0.002953337
0.50	3.030	0.092	0.142	0.005434141	0.008387478
0.75	3.141	0.233	0.375	0.013762552	0.022150030
1.00	3.307	0.359	0.734	0.021204962	0.043354991
1.25	2.723	0.309	1.043	0.018251624	0.061606615
1.50	1.750	0.327	1.370	0.019314826	0.080921441
1.75	1.838	0.308	1.678	0.018192558	0.099113999
2.00	1.198	0.186	1.864	0.010986415	0.110100413
2.25	1.141	0.153	2.017	0.009037212	0.119137626
2.50	1.505	0.155	2.172	0.009155346	0.128292971
2.75	1.921	0.269	2.441	0.015888955	0.144181926
3.00	3.275	0.953	3.394	0.056290608	0.200472534
3.25	2.890	1.223	4.617	0.072238630	0.272711164
3.50	5.720	3.270	7.887	0.193148258	0.465859421
3.75	5.503	4.661	12.548	0.275310100	0.741169522
4.00	3.716	3.297	15.845	0.194743060	0.935912581
PAN	1.268	1.085	16.930	0.064087419	1.0

TOTAL WT. 82.580 grams  
 DIGESTED WT. 16.930 grams  
 % SILICA 20.501

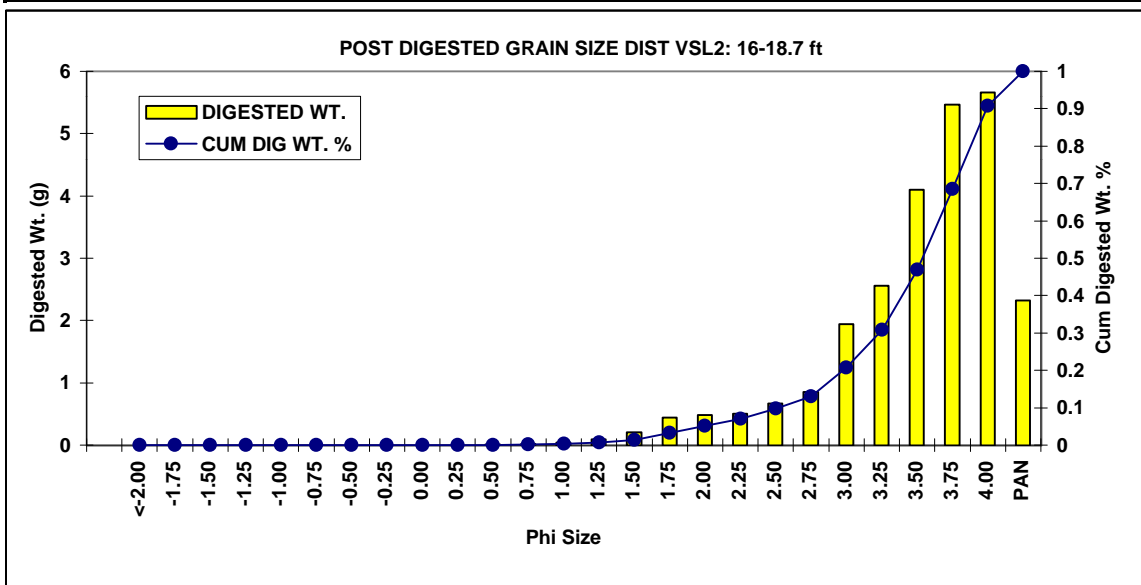


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL2 : 16-18.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.586	0.000	0.000	0.000000000	0.000000000
-1.75	0.180	0.000	0.000	0.000000000	0.000000000
-1.50	0.277	0.000	0.000	0.000000000	0.000000000
-1.25	0.396	0.000	0.000	0.000000000	0.000000000
-1.00	0.397	0.000	0.000	0.000000000	0.000000000
-0.75	0.575	0.000	0.000	0.000000000	0.000000000
-0.50	0.580	0.000	0.000	0.000000000	0.000000000
-0.25	0.674	0.000	0.000	0.000000000	0.000000000
0.00	0.668	0.002	0.002	0.000078833	0.000078833
0.25	0.840	0.001	0.003	0.000039417	0.000118250
0.50	0.825	0.006	0.009	0.000236500	0.000354750
0.75	0.935	0.016	0.025	0.000630666	0.000985416
1.00	1.267	0.042	0.067	0.001655499	0.002640914
1.25	1.475	0.091	0.158	0.003586914	0.006227828
1.50	1.325	0.205	0.363	0.008080410	0.014308238
1.75	2.384	0.444	0.807	0.017500985	0.031809223
2.00	2.440	0.482	1.289	0.018998818	0.050808041
2.25	2.976	0.504	1.793	0.019865983	0.070674024
2.50	4.392	0.668	2.461	0.026330311	0.097004336
2.75	5.614	0.857	3.318	0.033780055	0.130784391
3.00	8.027	1.941	5.259	0.076507686	0.207292077
3.25	5.910	2.557	7.816	0.100788333	0.308080410
3.50	8.168	4.098	11.914	0.161529365	0.469609775
3.75	6.983	5.468	17.382	0.215530154	0.685139929
4.00	6.572	5.661	23.043	0.223137564	0.908277493
PAN	2.718	2.327	25.370	0.091722507	1.0

**TOTAL WT.** 67.184 grams  
**DIGESTED WT.** 25.370 grams  
**% SILICA** 37.762

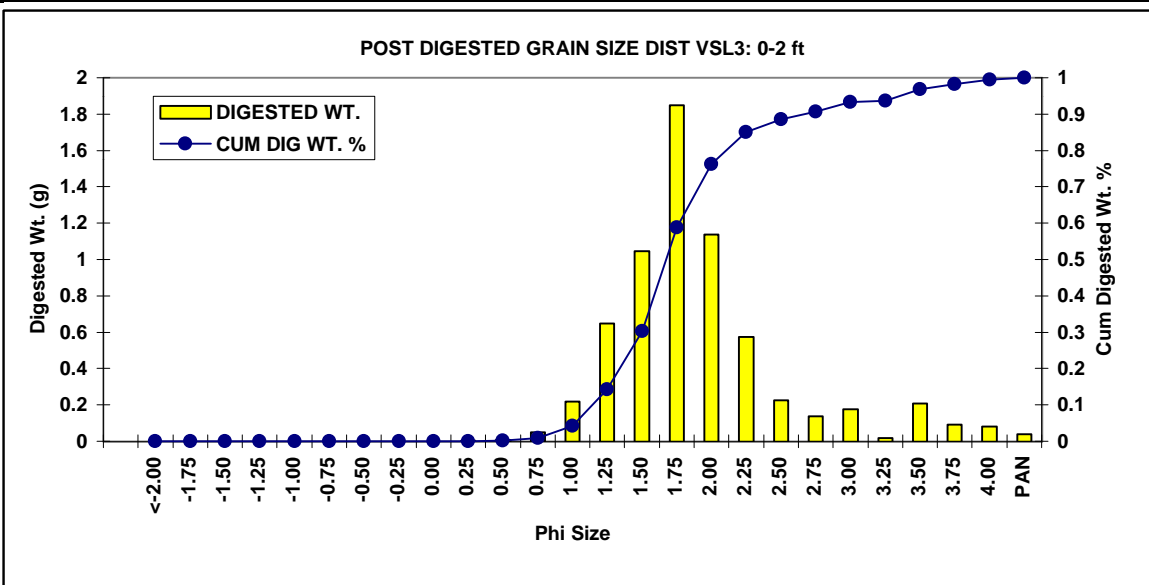


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL3 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.150	0.000	0.000	0.000000000	0.000000000
-1.75	0.119	0.000	0.000	0.000000000	0.000000000
-1.50	0.206	0.000	0.000	0.000000000	0.000000000
-1.25	0.623	0.000	0.000	0.000000000	0.000000000
-1.00	0.689	0.000	0.000	0.000000000	0.000000000
-0.75	1.236	0.000	0.000	0.000000000	0.000000000
-0.50	1.643	0.000	0.000	0.000000000	0.000000000
-0.25	2.208	0.000	0.000	0.000000000	0.000000000
0.00	2.555	0.000	0.000	0.000000000	0.000000000
0.25	3.691	0.005	0.005	0.000768403	0.000768403
0.50	3.874	0.007	0.012	0.001075765	0.001844168
0.75	4.502	0.048	0.060	0.007376671	0.009220839
1.00	6.089	0.220	0.280	0.033809743	0.043030582
1.25	6.884	0.649	0.929	0.099738743	0.142769325
1.50	5.814	1.045	1.974	0.160596281	0.303365606
1.75	7.480	1.847	3.821	0.283848164	0.587213770
2.00	4.677	1.138	4.959	0.174888582	0.762102351
2.25	2.661	0.575	5.534	0.088366375	0.850468726
2.50	1.407	0.225	5.759	0.034578147	0.885046873
2.75	0.688	0.138	5.897	0.021207930	0.906254803
3.00	0.467	0.175	6.072	0.026894114	0.933148917
3.25	0.042	0.018	6.090	0.002766252	0.935915168
3.50	0.270	0.208	6.298	0.031965576	0.967880744
3.75	0.108	0.090	6.388	0.013831259	0.981712002
4.00	0.091	0.081	6.469	0.012448133	0.994160135
PAN	0.054	0.038	6.507	0.005839865	1.0

TOTAL WT. 58.228 grams  
 DIGESTED WT. 6.507 grams  
 % SILICA 11.175

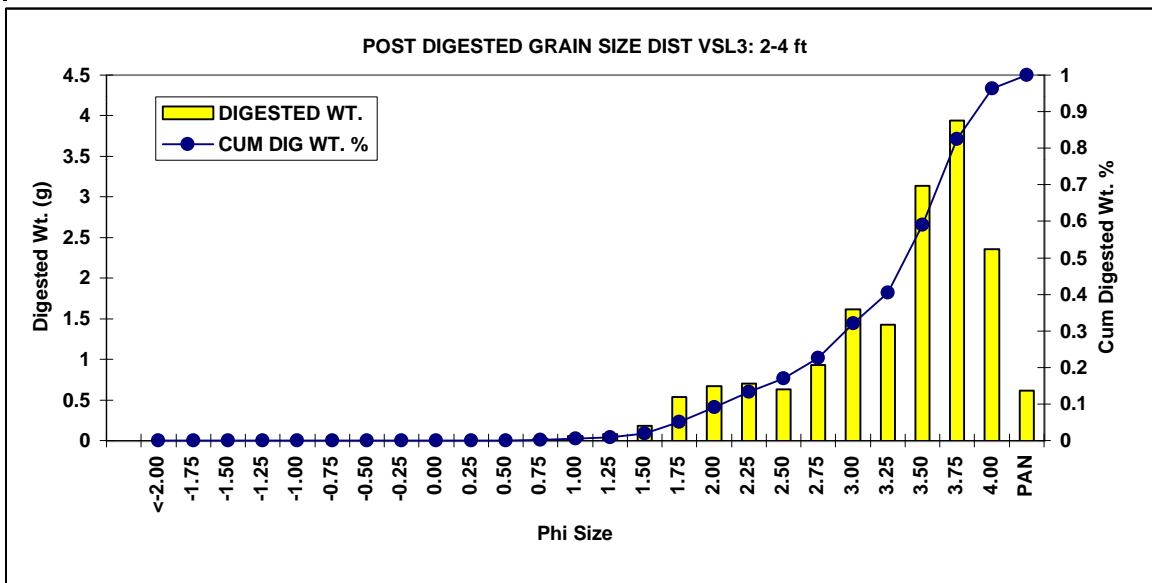


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL3 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.092	0.000	0.000	0.000000000	0.000000000
-1.50	0.221	0.000	0.000	0.000000000	0.000000000
-1.25	0.390	0.000	0.000	0.000000000	0.000000000
-1.00	0.460	0.000	0.000	0.000000000	0.000000000
-0.75	0.822	0.000	0.000	0.000000000	0.000000000
-0.50	1.141	0.000	0.000	0.000000000	0.000000000
-0.25	1.440	0.000	0.000	0.000000000	0.000000000
0.00	1.398	0.000	0.000	0.000000000	0.000000000
0.25	1.917	0.000	0.000	0.000000000	0.000000000
0.50	1.872	0.002	0.002	0.000118519	0.000118519
0.75	2.146	0.020	0.022	0.001185185	0.001303704
1.00	2.885	0.054	0.076	0.003200000	0.004503704
1.25	3.113	0.075	0.151	0.004444444	0.008948148
1.50	2.675	0.182	0.333	0.010785185	0.019733333
1.75	4.556	0.537	0.870	0.031822222	0.051555556
2.00	4.690	0.668	1.538	0.039585185	0.091140741
2.25	5.238	0.704	2.242	0.041718519	0.132859259
2.50	6.292	0.630	2.872	0.037333333	0.170192593
2.75	6.362	0.927	3.799	0.054933333	0.225125926
3.00	6.828	1.615	5.414	0.095703704	0.320829630
3.25	3.844	1.423	6.837	0.084325926	0.405155556
3.50	5.754	3.134	9.971	0.185718519	0.590874074
3.75	4.726	3.938	13.909	0.233362963	0.824237037
4.00	2.701	2.354	16.263	0.139496296	0.963733333
PAN	0.827	0.612	16.875	0.036266667	1.0

**TOTAL WT.** 72.390 grams  
**DIGESTED WT.** 16.875 grams  
**% SILICA** 23.311

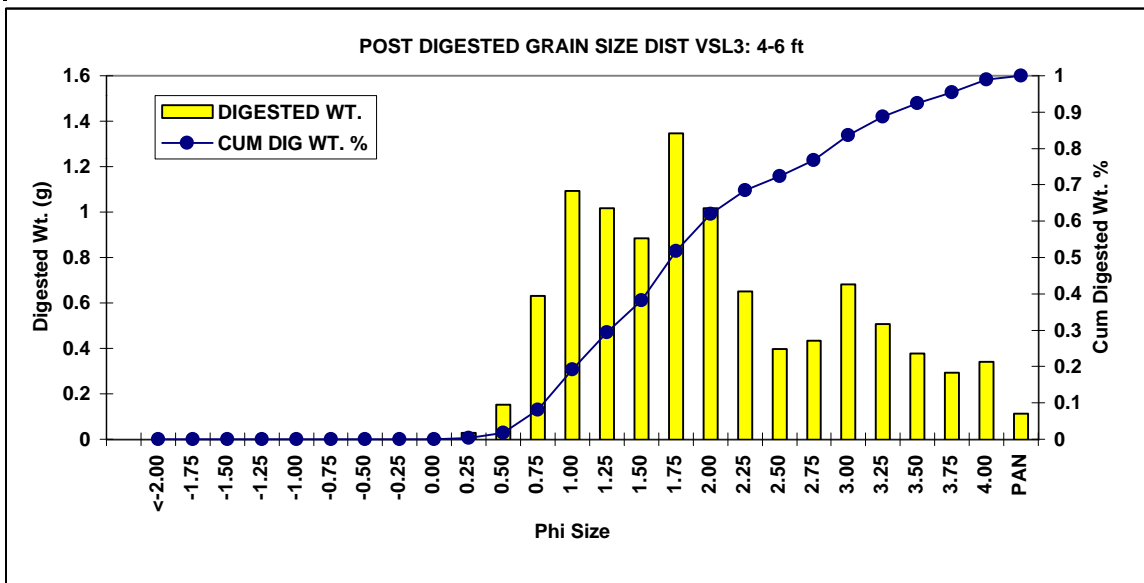


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL3 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.146	0.000	0.000	0.000000000	0.000000000
-1.75	0.419	0.000	0.000	0.000000000	0.000000000
-1.50	0.564	0.000	0.000	0.000000000	0.000000000
-1.25	1.276	0.000	0.000	0.000000000	0.000000000
-1.00	2.096	0.000	0.000	0.000000000	0.000000000
-0.75	3.062	0.000	0.000	0.000000000	0.000000000
-0.50	4.385	0.000	0.000	0.000000000	0.000000000
-0.25	5.248	0.000	0.000	0.000000000	0.000000000
0.00	4.984	0.002	0.002	0.000200642	0.000200642
0.25	6.126	0.029	0.031	0.002909310	0.003109952
0.50	6.443	0.152	0.183	0.015248796	0.018358748
0.75	7.821	0.632	0.815	0.063402889	0.081761637
1.00	9.443	1.094	1.909	0.109751204	0.191512841
1.25	8.536	1.016	2.925	0.101926164	0.293439005
1.50	5.533	0.885	3.810	0.088784109	0.382223114
1.75	6.333	1.346	5.156	0.135032103	0.517255217
2.00	4.162	1.017	6.173	0.102026485	0.619281701
2.25	3.216	0.651	6.824	0.065308989	0.684590690
2.50	2.687	0.396	7.220	0.039727127	0.724317817
2.75	2.280	0.434	7.654	0.043539326	0.767857143
3.00	2.265	0.681	8.335	0.068318620	0.836175762
3.25	0.597	0.508	8.843	0.050963082	0.887138844
3.50	1.807	0.377	9.220	0.037821027	0.924959872
3.75	0.919	0.294	9.514	0.029494382	0.954454254
4.00	0.573	0.342	9.856	0.034309791	0.988764045
PAN	0.269	0.112	9.968	0.011235955	1.0

**TOTAL WT.** 92.190 grams  
**DIGESTED WT.** 9.968 grams  
**% SILICA** 10.812

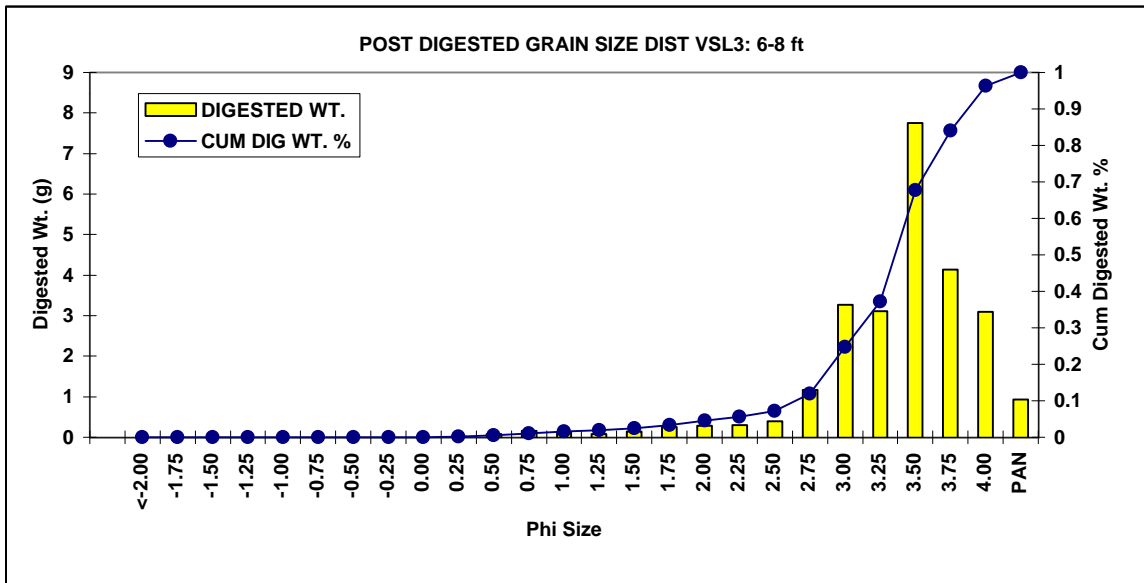


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL3 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.520	0.000	0.000	0.000000000	0.000000000
-1.75	0.115	0.000	0.000	0.000000000	0.000000000
-1.50	0.553	0.000	0.000	0.000000000	0.000000000
-1.25	0.712	0.000	0.000	0.000000000	0.000000000
-1.00	0.981	0.000	0.000	0.000000000	0.000000000
-0.75	1.095	0.004	0.004	0.000158065	0.000158065
-0.50	1.204	0.002	0.006	0.000079033	0.000237098
-0.25	1.393	0.000	0.006	0.000000000	0.000237098
0.00	1.148	0.007	0.013	0.000276614	0.000513712
0.25	1.437	0.021	0.034	0.000829843	0.001343555
0.50	1.545	0.082	0.116	0.003240338	0.004583893
0.75	1.671	0.154	0.270	0.006085513	0.010669406
1.00	1.399	0.124	0.394	0.004900024	0.015569430
1.25	1.397	0.075	0.469	0.002963724	0.018533154
1.50	1.031	0.141	0.610	0.005571801	0.024104955
1.75	1.657	0.246	0.856	0.009721015	0.033825970
2.00	1.778	0.285	1.141	0.011262151	0.045088121
2.25	2.408	0.300	1.441	0.011854896	0.056943017
2.50	4.103	0.401	1.842	0.015846044	0.072789062
2.75	7.184	1.173	3.015	0.046352644	0.119141706
3.00	11.688	3.267	6.282	0.129099818	0.248241524
3.25	7.716	3.114	9.396	0.123053821	0.371295345
3.50	7.777	7.746	17.142	0.306093417	0.677388762
3.75	5.785	4.144	21.286	0.163755631	0.841144393
4.00	3.746	3.087	24.373	0.121986881	0.963131273
PAN	1.389	0.933	25.306	0.036868727	1.0

<b>TOTAL WT.</b>	72.432	grams
<b>DIGESTED WT.</b>	25.306	grams
<b>% SILICA</b>	34.938	



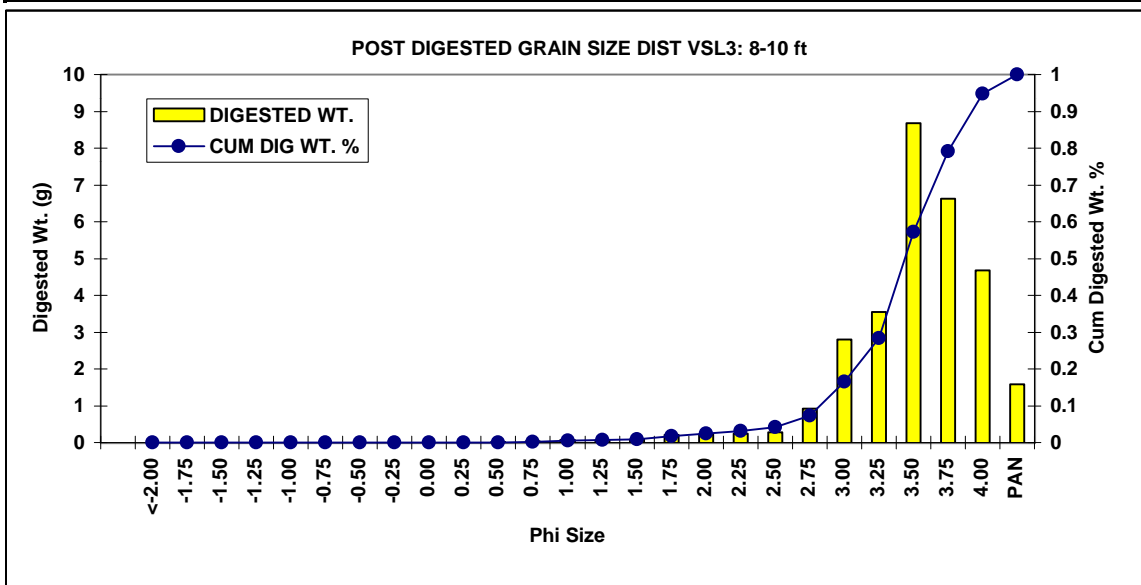


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL3 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.424	0.000	0.000	0.000000000	0.000000000
-1.75	0.144	0.000	0.000	0.000000000	0.000000000
-1.50	0.265	0.000	0.000	0.000000000	0.000000000
-1.25	0.241	0.000	0.000	0.000000000	0.000000000
-1.00	0.390	0.000	0.000	0.000000000	0.000000000
-0.75	0.429	0.002	0.002	0.000066463	0.000066463
-0.50	0.504	0.002	0.004	0.000066463	0.000132926
-0.25	0.672	0.000	0.004	0.000000000	0.000132926
0.00	0.610	0.002	0.006	0.000066463	0.000199389
0.25	0.727	0.005	0.011	0.000166157	0.000365546
0.50	0.805	0.014	0.025	0.000465240	0.000830786
0.75	0.838	0.041	0.066	0.001362488	0.002193274
1.00	1.030	0.065	0.131	0.002160043	0.004353316
1.25	1.040	0.065	0.196	0.002160043	0.006513359
1.50	0.816	0.088	0.284	0.002924365	0.009437724
1.75	1.292	0.214	0.498	0.007111525	0.016549249
2.00	1.308	0.232	0.730	0.007709690	0.024258939
2.25	1.783	0.238	0.968	0.007909079	0.032168018
2.50	3.004	0.285	1.253	0.009470956	0.041638974
2.75	5.645	0.928	2.181	0.030838761	0.072477735
3.00	10.703	2.792	4.973	0.092782135	0.165259870
3.25	9.746	3.552	8.525	0.118038017	0.283297886
3.50	10.485	8.671	17.196	0.288149674	0.571447561
3.75	7.866	6.631	23.827	0.220357570	0.791805131
4.00	5.328	4.677	28.504	0.155423368	0.947228499
PAN	1.926	1.588	30.092	0.052771501	1.0

<b>TOTAL WT.</b>	68.021	grams
<b>DIGESTED WT.</b>	30.092	grams
<b>% SILICA</b>	44.239	

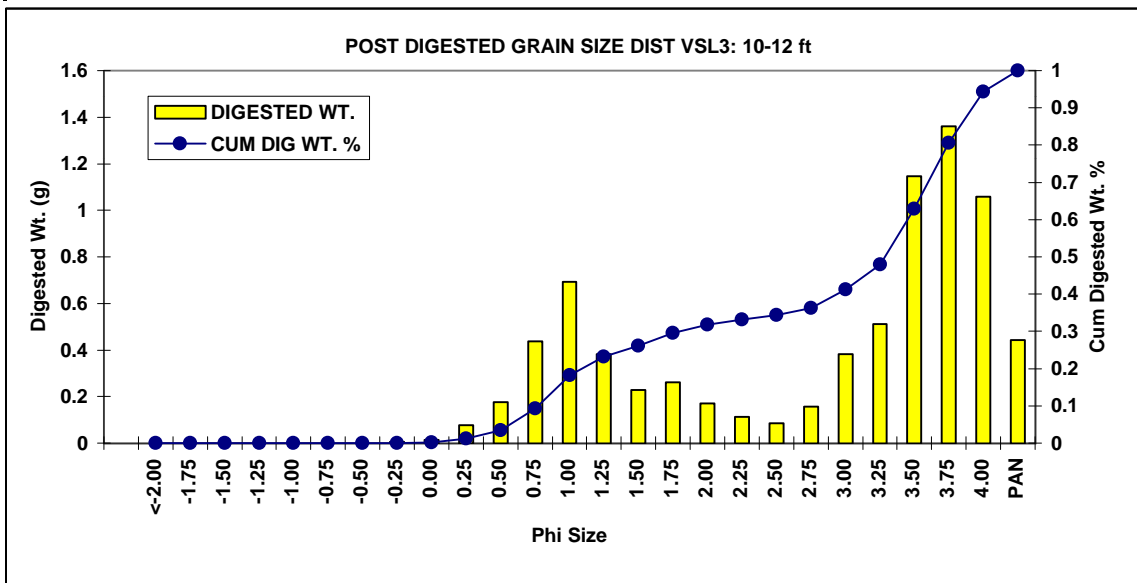


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL3 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	17.585	0.000	0.000	0.000000000	0.000000000
-1.75	2.033	0.000	0.000	0.000000000	0.000000000
-1.50	2.837	0.000	0.000	0.000000000	0.000000000
-1.25	3.441	0.000	0.000	0.000000000	0.000000000
-1.00	4.199	0.000	0.000	0.000000000	0.000000000
-0.75	4.150	0.000	0.000	0.000000000	0.000000000
-0.50	5.268	0.000	0.000	0.000000000	0.000000000
-0.25	5.572	0.005	0.005	0.000649604	0.000649604
0.00	5.447	0.013	0.018	0.001688970	0.002338573
0.25	5.854	0.078	0.096	0.010133818	0.012472392
0.50	5.306	0.175	0.271	0.022736131	0.035208523
0.75	5.532	0.438	0.709	0.056905288	0.092113811
1.00	5.863	0.694	1.403	0.090164999	0.182278810
1.25	4.334	0.381	1.784	0.049499805	0.231778615
1.50	2.277	0.228	2.012	0.029621931	0.261400546
1.75	1.678	0.262	2.274	0.034039236	0.295439782
2.00	0.750	0.170	2.444	0.022086527	0.317526309
2.25	0.532	0.112	2.556	0.014551124	0.332077433
2.50	0.561	0.085	2.641	0.011043264	0.343120696
2.75	0.736	0.156	2.797	0.020267637	0.363388333
3.00	1.229	0.381	3.178	0.049499805	0.412888138
3.25	0.988	0.511	3.689	0.066389502	0.479277641
3.50	2.000	1.147	4.836	0.149019098	0.628296739
3.75	1.708	1.360	6.196	0.176692218	0.804988957
4.00	1.255	1.058	7.254	0.137456152	0.942445108
PAN	0.700	0.443	7.697	0.057554892	1.0

TOTAL WT. 91.835 grams  
 DIGESTED WT. 7.697 grams  
 % SILICA 8.381

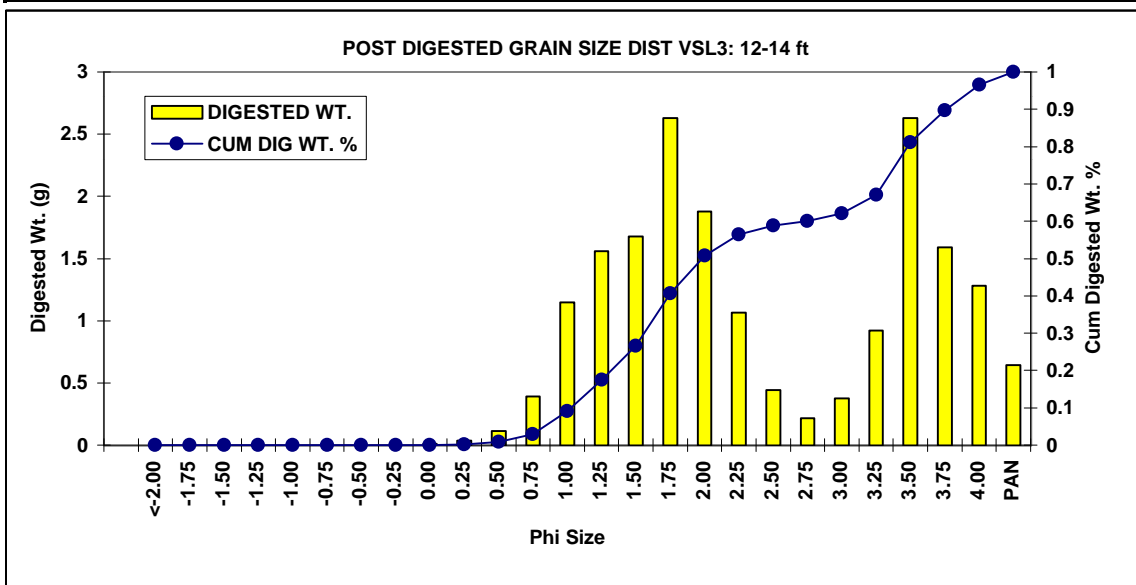


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL3 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.837	0.000	0.000	0.000000000	0.000000000
-1.75	0.935	0.000	0.000	0.000000000	0.000000000
-1.50	1.326	0.000	0.000	0.000000000	0.000000000
-1.25	1.516	0.000	0.000	0.000000000	0.000000000
-1.00	2.039	0.000	0.000	0.000000000	0.000000000
-0.75	2.429	0.000	0.000	0.000000000	0.000000000
-0.50	3.180	0.000	0.000	0.000000000	0.000000000
-0.25	3.755	0.000	0.000	0.000000000	0.000000000
0.00	4.103	0.010	0.010	0.000537230	0.000537230
0.25	5.806	0.036	0.046	0.001934028	0.002471258
0.50	6.360	0.114	0.160	0.006124422	0.008595681
0.75	8.021	0.393	0.553	0.021113141	0.029708821
1.00	10.665	1.148	1.701	0.061674009	0.091382830
1.25	11.573	1.561	3.262	0.083861610	0.175244440
1.50	8.675	1.677	4.939	0.090093478	0.265337918
1.75	10.670	2.632	7.571	0.141398947	0.406736865
2.00	7.456	1.878	9.449	0.100891802	0.507628667
2.25	5.646	1.066	10.515	0.057268722	0.564897389
2.50	3.684	0.445	10.960	0.023906737	0.588804126
2.75	1.838	0.215	11.175	0.011550446	0.600354572
3.00	1.666	0.377	11.552	0.020253573	0.620608144
3.25	2.685	0.922	12.474	0.049532610	0.670140754
3.50	3.919	2.627	15.101	0.141130332	0.811271086
3.75	2.228	1.589	16.690	0.085365854	0.896636940
4.00	1.648	1.283	17.973	0.068926614	0.965563554
PAN	0.783	0.641	18.614	0.034436446	1.0

TOTAL WT. 114.443 grams  
 DIGESTED WT. 18.614 grams  
 % SILICA 16.265

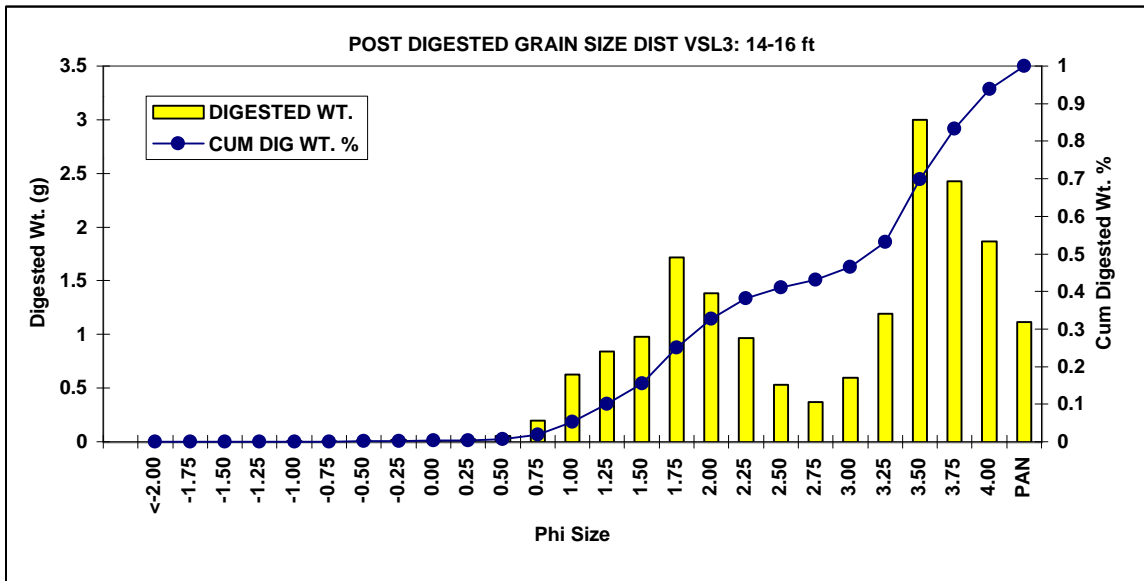


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL3 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	5.755	0.000	0.000	0.000000000	0.000000000
-1.75	0.908	0.000	0.000	0.000000000	0.000000000
-1.50	1.614	0.000	0.000	0.000000000	0.000000000
-1.25	2.086	0.000	0.000	0.000000000	0.000000000
-1.00	2.050	0.004	0.004	0.000222978	0.000222978
-0.75	2.254	0.008	0.012	0.000445956	0.000668934
-0.50	2.672	0.013	0.025	0.000724678	0.001393612
-0.25	3.008	0.017	0.042	0.000947656	0.002341268
0.00	2.716	0.006	0.048	0.000334467	0.002675734
0.25	3.496	0.025	0.073	0.001393612	0.004069346
0.50	3.689	0.056	0.129	0.003121690	0.007191036
0.75	4.564	0.196	0.325	0.010925916	0.018116952
1.00	6.356	0.629	0.954	0.035063270	0.053180222
1.25	7.002	0.840	1.794	0.046825353	0.100005574
1.50	5.411	0.980	2.774	0.054629578	0.154635152
1.75	7.409	1.719	4.493	0.095824739	0.250459892
2.00	5.846	1.385	5.878	0.077206087	0.327665979
2.25	5.251	0.966	6.844	0.053849155	0.381515135
2.50	4.450	0.528	7.372	0.029433079	0.410948213
2.75	2.922	0.370	7.742	0.020625453	0.431573666
3.00	2.782	0.598	8.340	0.033335191	0.464908858
3.25	3.296	1.190	9.530	0.066335916	0.531244774
3.50	5.374	3.002	12.532	0.167344891	0.698589665
3.75	3.152	2.424	14.956	0.135124589	0.833714254
4.00	2.527	1.869	16.825	0.104186409	0.937900663
PAN	1.397	1.114	17.939	0.062099337	1.0

TOTAL WT. 97.987 grams  
 DIGESTED WT. 17.939 grams  
 % SILICA 18.308

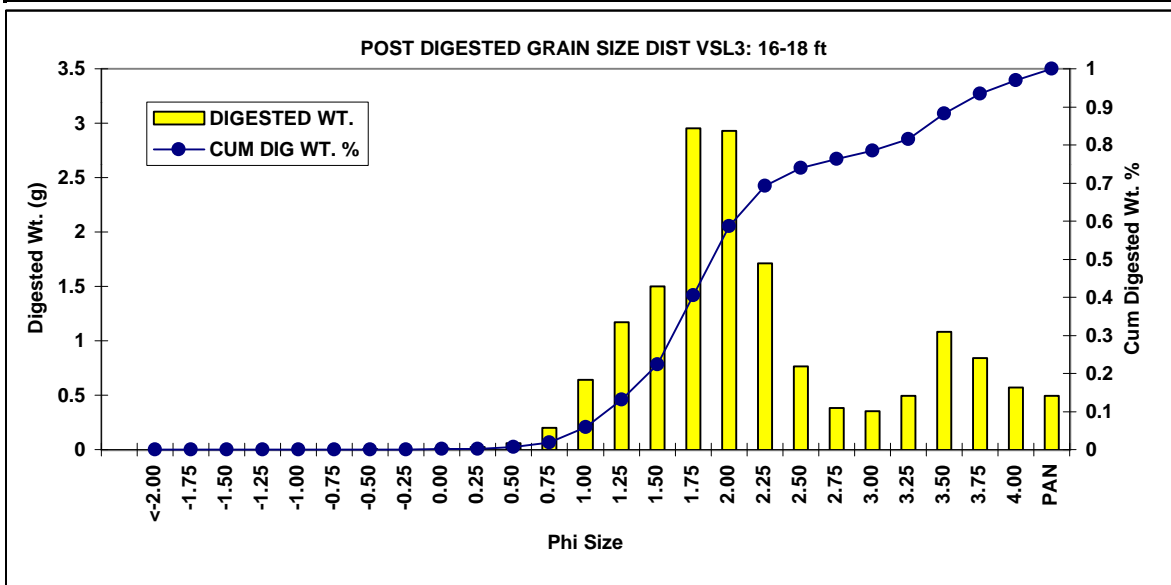


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL3 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	2.363	0.000	0.000	0.000000000	0.000000000
-1.75	1.862	0.000	0.000	0.000000000	0.000000000
-1.50	1.787	0.000	0.000	0.000000000	0.000000000
-1.25	2.123	0.000	0.000	0.000000000	0.000000000
-1.00	2.136	0.000	0.000	0.000000000	0.000000000
-0.75	2.554	0.000	0.000	0.000000000	0.000000000
-0.50	3.024	0.006	0.006	0.000370714	0.000370714
-0.25	3.086	0.001	0.007	0.000061786	0.000432499
0.00	2.961	0.010	0.017	0.000617856	0.001050355
0.25	3.786	0.022	0.039	0.001359283	0.002409639
0.50	3.907	0.061	0.100	0.003768922	0.006178560
0.75	4.803	0.200	0.300	0.012357121	0.018535681
1.00	6.838	0.643	0.943	0.039728143	0.058263825
1.25	8.310	1.168	2.111	0.072165585	0.130429410
1.50	7.325	1.502	3.613	0.092801977	0.223231387
1.75	11.088	2.950	6.563	0.182267532	0.405498919
2.00	9.694	2.927	9.490	0.180846463	0.586345382
2.25	8.288	1.713	11.203	0.105838740	0.692184121
2.50	6.027	0.766	11.969	0.047327773	0.739511894
2.75	2.846	0.381	12.350	0.023540315	0.763052209
3.00	1.667	0.350	12.700	0.021624961	0.784677170
3.25	1.010	0.494	13.194	0.030522088	0.815199259
3.50	2.230	1.081	14.275	0.066790238	0.881989496
3.75	1.132	0.844	15.119	0.052147050	0.934136546
4.00	0.834	0.570	15.689	0.035217794	0.969354340
PAN	0.722	0.496	16.185	0.030645660	1.0

TOTAL WT. 102.403 grams  
 DIGESTED WT. 16.185 grams  
 % SILICA 15.805

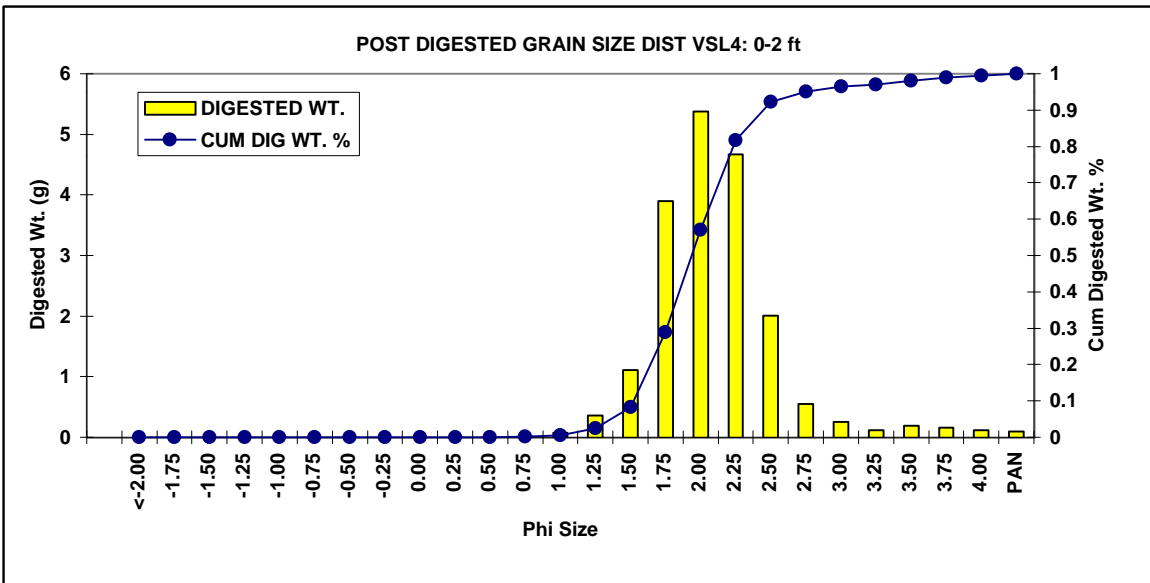


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL4 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.308	0.000	0.000	0.000000000	0.000000000
-1.75	0.131	0.000	0.000	0.000000000	0.000000000
-1.50	0.229	0.000	0.000	0.000000000	0.000000000
-1.25	0.432	0.000	0.000	0.000000000	0.000000000
-1.00	0.398	0.000	0.000	0.000000000	0.000000000
-0.75	0.675	0.000	0.000	0.000000000	0.000000000
-0.50	1.155	0.003	0.003	0.000157920	0.000157920
-0.25	1.536	0.000	0.003	0.000000000	0.000157920
0.00	1.970	0.001	0.004	0.000052640	0.000210560
0.25	3.296	0.002	0.006	0.000105280	0.000315839
0.50	4.075	0.004	0.010	0.000210560	0.000526399
0.75	5.624	0.012	0.022	0.000631679	0.001158078
1.00	8.386	0.072	0.094	0.003790072	0.004948150
1.25	10.572	0.362	0.456	0.019055640	0.024003790
1.50	10.404	1.112	1.568	0.058535558	0.082539348
1.75	16.999	3.903	5.471	0.205453493	0.287992841
2.00	16.946	5.374	10.845	0.282886772	0.570879613
2.25	13.802	4.669	15.514	0.245775649	0.816655261
2.50	7.930	2.002	17.516	0.105385061	0.922040322
2.75	2.816	0.547	18.063	0.028794020	0.950834342
3.00	0.918	0.258	18.321	0.013581092	0.964415434
3.25	0.120	0.116	18.437	0.006106227	0.970521661
3.50	0.368	0.190	18.627	0.010001579	0.980523241
3.75	0.159	0.155	18.782	0.008159183	0.988682424
4.00	0.121	0.116	18.898	0.006106227	0.994788651
PAN	0.102	0.099	18.997	0.005211349	1.0

<b>TOTAL WT.</b>	109.472	grams
<b>DIGESTED WT.</b>	18.997	grams
<b>% SILICA</b>	17.353	

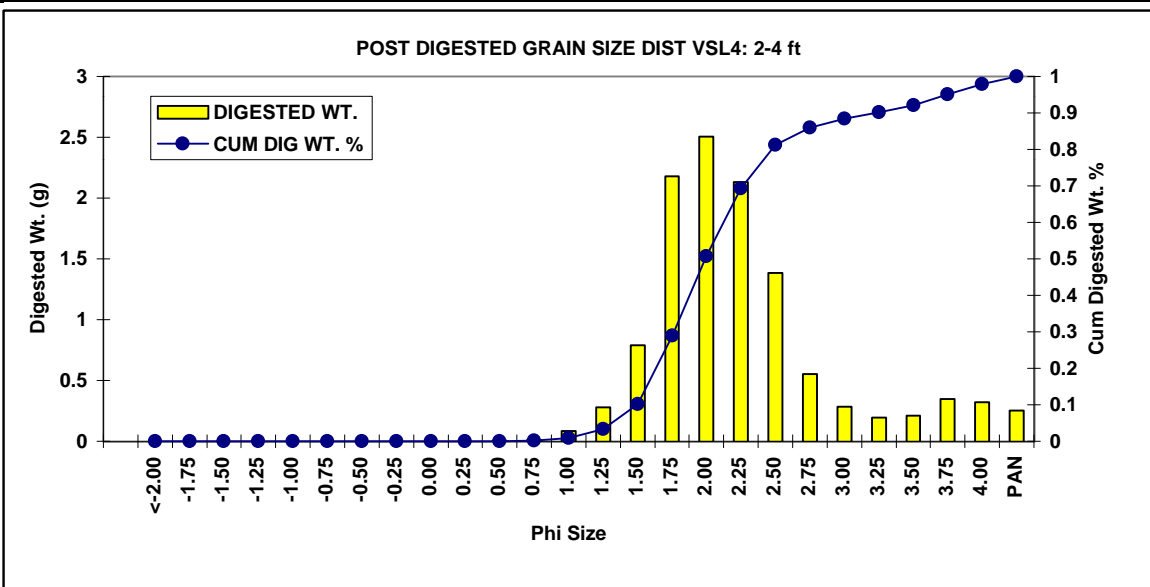


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL4 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.133	0.000	0.000	0.000000000	0.000000000
-1.75	0.049	0.000	0.000	0.000000000	0.000000000
-1.50	0.313	0.000	0.000	0.000000000	0.000000000
-1.25	0.244	0.000	0.000	0.000000000	0.000000000
-1.00	0.718	0.000	0.000	0.000000000	0.000000000
-0.75	0.885	0.000	0.000	0.000000000	0.000000000
-0.50	1.528	0.000	0.000	0.000000000	0.000000000
-0.25	2.372	0.000	0.000	0.000000000	0.000000000
0.00	2.743	0.000	0.000	0.000000000	0.000000000
0.25	4.527	0.000	0.000	0.000000000	0.000000000
0.50	5.209	0.003	0.003	0.000260236	0.000260236
0.75	5.992	0.012	0.015	0.001040944	0.001301180
1.00	7.842	0.086	0.101	0.007460097	0.008761277
1.25	8.424	0.278	0.379	0.024115198	0.032876475
1.50	7.147	0.789	1.168	0.068442054	0.101318529
1.75	10.564	2.177	3.345	0.188844552	0.290163081
2.00	9.777	2.504	5.849	0.217210271	0.507373352
2.25	9.022	2.131	7.980	0.184854268	0.692227620
2.50	6.976	1.385	9.365	0.120142262	0.812369882
2.75	3.061	0.552	9.917	0.047883414	0.860253296
3.00	1.230	0.286	10.203	0.024809160	0.885062457
3.25	0.350	0.195	10.398	0.016915337	0.901977793
3.50	0.548	0.212	10.610	0.018390007	0.920367800
3.75	0.381	0.345	10.955	0.029927134	0.950294934
4.00	0.436	0.321	11.276	0.027845246	0.978140180
PAN	0.328	0.252	11.528	0.021859820	1.0

<b>TOTAL WT.</b>	90.799	grams
<b>DIGESTED WT.</b>	11.528	grams
<b>% SILICA</b>	12.696	

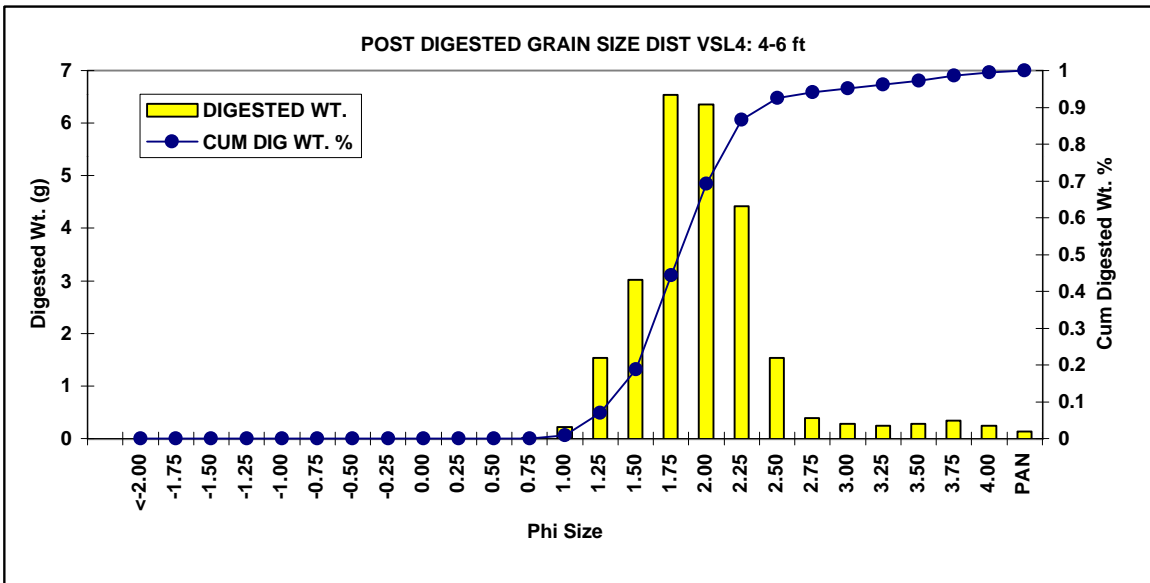


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL4 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.326	0.000	0.000	0.000000000	0.000000000
-1.75	0.117	0.000	0.000	0.000000000	0.000000000
-1.50	0.149	0.000	0.000	0.000000000	0.000000000
-1.25	0.264	0.000	0.000	0.000000000	0.000000000
-1.00	0.152	0.000	0.000	0.000000000	0.000000000
-0.75	0.483	0.000	0.000	0.000000000	0.000000000
-0.50	0.546	0.000	0.000	0.000000000	0.000000000
-0.25	0.793	0.000	0.000	0.000000000	0.000000000
0.00	1.225	0.000	0.000	0.000000000	0.000000000
0.25	2.304	0.000	0.000	0.000000000	0.000000000
0.50	3.408	0.000	0.000	0.000000000	0.000000000
0.75	5.311	0.011	0.011	0.000430748	0.000430748
1.00	9.007	0.221	0.232	0.008654110	0.009084857
1.25	13.018	1.539	1.771	0.060265497	0.069350354
1.50	12.988	3.018	4.789	0.118181462	0.187531817
1.75	19.906	6.540	11.329	0.256098994	0.443630810
2.00	16.172	6.357	17.686	0.248932921	0.692563731
2.25	10.846	4.414	22.100	0.172847241	0.865410972
2.50	5.308	1.538	23.638	0.060226338	0.925637311
2.75	1.814	0.388	24.026	0.015193641	0.940830951
3.00	0.873	0.278	24.304	0.010886165	0.951717116
3.25	0.341	0.241	24.545	0.009437287	0.961154403
3.50	0.548	0.276	24.821	0.010807847	0.971962251
3.75	0.348	0.340	25.161	0.013314015	0.985276266
4.00	0.275	0.247	25.408	0.009672240	0.994948506
PAN	0.145	0.129	25.537	0.005051494	1.0

TOTAL WT.	106.667	grams
DIGESTED WT.	25.537	grams
% SILICA	23.941	



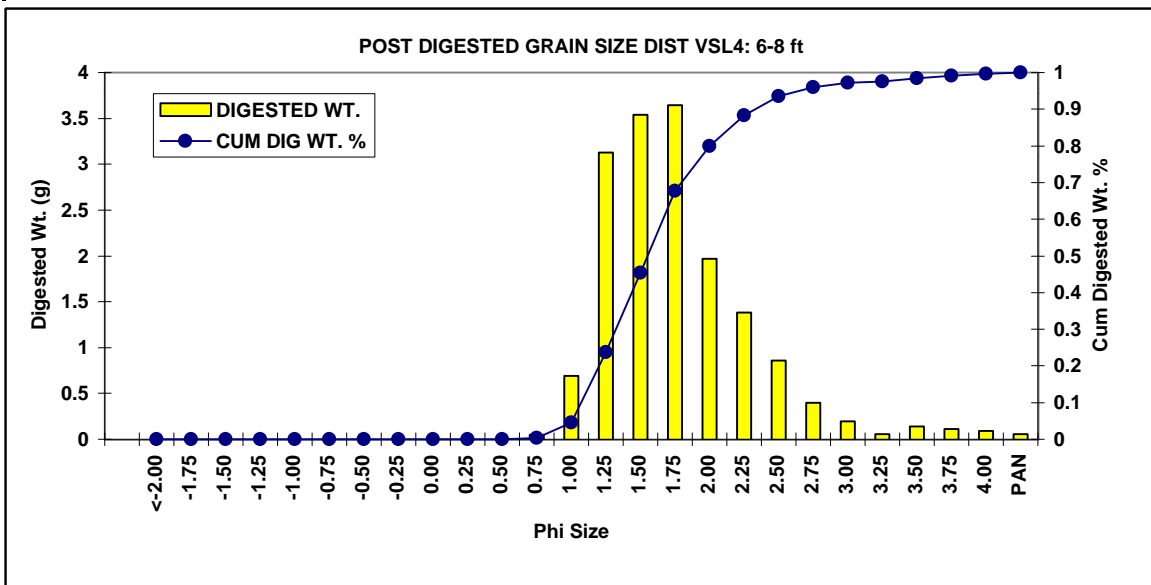


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL4 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.208	0.000	0.000	0.000000000	0.000000000
-1.75	0.095	0.000	0.000	0.000000000	0.000000000
-1.50	0.147	0.000	0.000	0.000000000	0.000000000
-1.25	0.255	0.000	0.000	0.000000000	0.000000000
-1.00	0.280	0.000	0.000	0.000000000	0.000000000
-0.75	0.545	0.000	0.000	0.000000000	0.000000000
-0.50	0.753	0.000	0.000	0.000000000	0.000000000
-0.25	1.445	0.000	0.000	0.000000000	0.000000000
0.00	2.167	0.000	0.000	0.000000000	0.000000000
0.25	4.825	0.000	0.000	0.000000000	0.000000000
0.50	7.561	0.000	0.000	0.000000000	0.000000000
0.75	11.267	0.051	0.051	0.003127108	0.003127108
1.00	16.534	0.690	0.741	0.042307928	0.045435036
1.25	19.925	3.130	3.871	0.191918573	0.237353608
1.50	13.266	3.541	7.412	0.217119382	0.454472990
1.75	11.784	3.644	11.056	0.223434913	0.677907904
2.00	6.258	1.968	13.024	0.120669569	0.798577473
2.25	4.732	1.381	14.405	0.084677172	0.883254645
2.50	3.630	0.857	15.262	0.052547673	0.935802318
2.75	1.798	0.401	15.663	0.024587651	0.960389969
3.00	0.653	0.194	15.857	0.011895273	0.972285241
3.25	0.064	0.056	15.913	0.003433687	0.975718928
3.50	0.258	0.141	16.054	0.008645533	0.984364461
3.75	0.118	0.110	16.164	0.006744742	0.991109204
4.00	0.096	0.091	16.255	0.005579741	0.996688945
PAN	0.057	0.054	16.309	0.003311055	1.0

**TOTAL WT.** 108.721 grams  
**DIGESTED WT.** 16.309 grams  
**% SILICA** 15.001

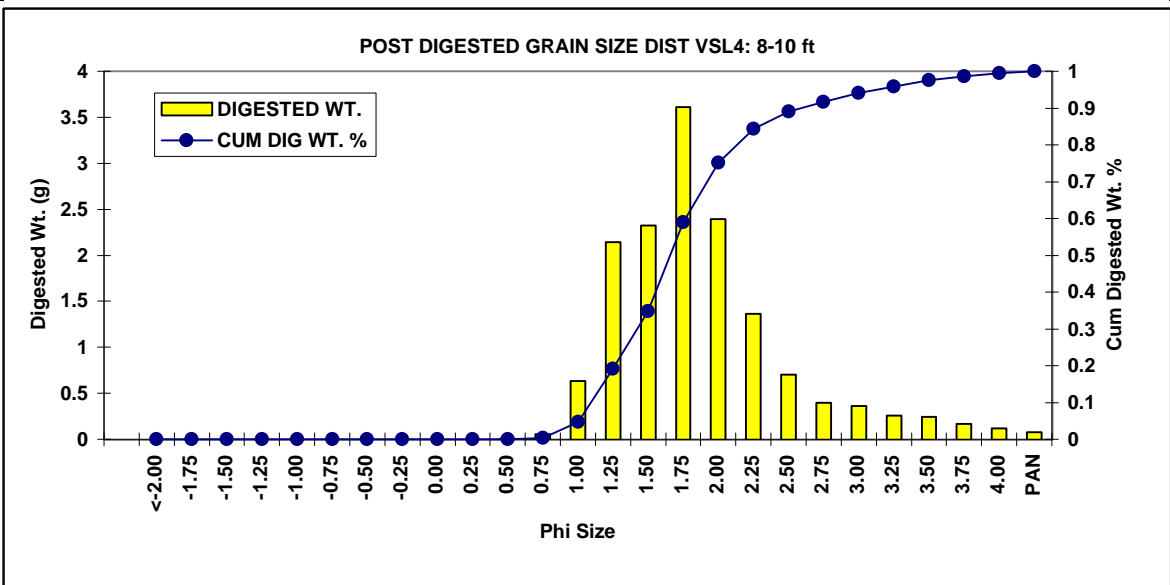


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL4 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.216	0.000	0.000	0.000000000	0.000000000
-1.75	0.156	0.000	0.000	0.000000000	0.000000000
-1.50	0.300	0.000	0.000	0.000000000	0.000000000
-1.25	0.539	0.000	0.000	0.000000000	0.000000000
-1.00	0.910	0.000	0.000	0.000000000	0.000000000
-0.75	0.996	0.000	0.000	0.000000000	0.000000000
-0.50	1.536	0.000	0.000	0.000000000	0.000000000
-0.25	2.491	0.000	0.000	0.000000000	0.000000000
0.00	3.334	0.000	0.000	0.000000000	0.000000000
0.25	5.767	0.000	0.000	0.000000000	0.000000000
0.50	7.331	0.004	0.004	0.000269161	0.000269161
0.75	9.378	0.053	0.057	0.003566382	0.003835543
1.00	12.331	0.634	0.691	0.042662001	0.046497544
1.25	13.416	2.143	2.834	0.144202947	0.190700491
1.50	9.353	2.323	5.157	0.156315187	0.347015679
1.75	10.113	3.611	8.768	0.242984994	0.590000673
2.00	6.299	2.396	11.164	0.161227374	0.751228047
2.25	4.215	1.366	12.530	0.091918444	0.843146491
2.50	2.807	0.702	13.232	0.047237736	0.890384227
2.75	1.606	0.399	13.631	0.026848799	0.917233026
3.00	1.047	0.361	13.992	0.024291770	0.941524796
3.25	0.337	0.259	14.251	0.017428168	0.958952964
3.50	0.520	0.245	14.496	0.016486105	0.975439069
3.75	0.177	0.170	14.666	0.011439338	0.986878407
4.00	0.120	0.116	14.782	0.007805666	0.994684072
PAN	0.083	0.079	14.861	0.005315928	1.0

TOTAL WT. 96.378 grams  
 DIGESTED WT. 14.861 grams  
 % SILICA 15.419

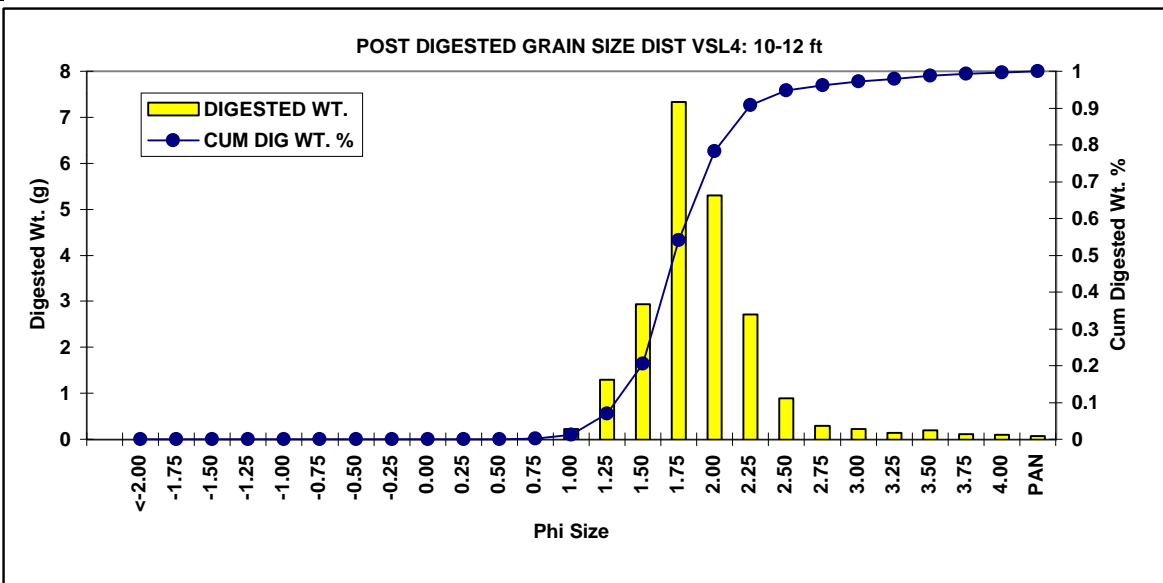


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL4 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.163	0.000	0.000	0.000000000	0.000000000
-1.75	0.245	0.000	0.000	0.000000000	0.000000000
-1.50	0.386	0.000	0.000	0.000000000	0.000000000
-1.25	0.528	0.000	0.000	0.000000000	0.000000000
-1.00	0.668	0.000	0.000	0.000000000	0.000000000
-0.75	0.989	0.000	0.000	0.000000000	0.000000000
-0.50	1.513	0.000	0.000	0.000000000	0.000000000
-0.25	2.112	0.000	0.000	0.000000000	0.000000000
0.00	2.641	0.000	0.000	0.000000000	0.000000000
0.25	4.379	0.000	0.000	0.000000000	0.000000000
0.50	5.395	0.003	0.003	0.000137306	0.000137306
0.75	7.361	0.023	0.026	0.001052680	0.001189986
1.00	10.542	0.222	0.248	0.010160648	0.011350634
1.25	13.442	1.290	1.538	0.059041604	0.070392238
1.50	12.738	2.940	4.478	0.134559934	0.204952172
1.75	19.345	7.330	11.808	0.335484462	0.540436633
2.00	12.800	5.303	17.111	0.242711337	0.783147970
2.25	7.125	2.720	19.831	0.124490823	0.907638794
2.50	3.367	0.889	20.720	0.040688361	0.948327155
2.75	1.265	0.299	21.019	0.013684837	0.962011991
3.00	0.605	0.221	21.240	0.010114879	0.972126871
3.25	0.140	0.136	21.376	0.006224541	0.978351412
3.50	0.277	0.193	21.569	0.008833356	0.987184768
3.75	0.117	0.115	21.684	0.005263399	0.992448167
4.00	0.098	0.096	21.780	0.004393794	0.996841961
PAN	0.080	0.069	21.849	0.003158039	1.0

TOTAL WT. 109.321 grams  
 DIGESTED WT. 21.849 grams  
 % SILICA 19.986

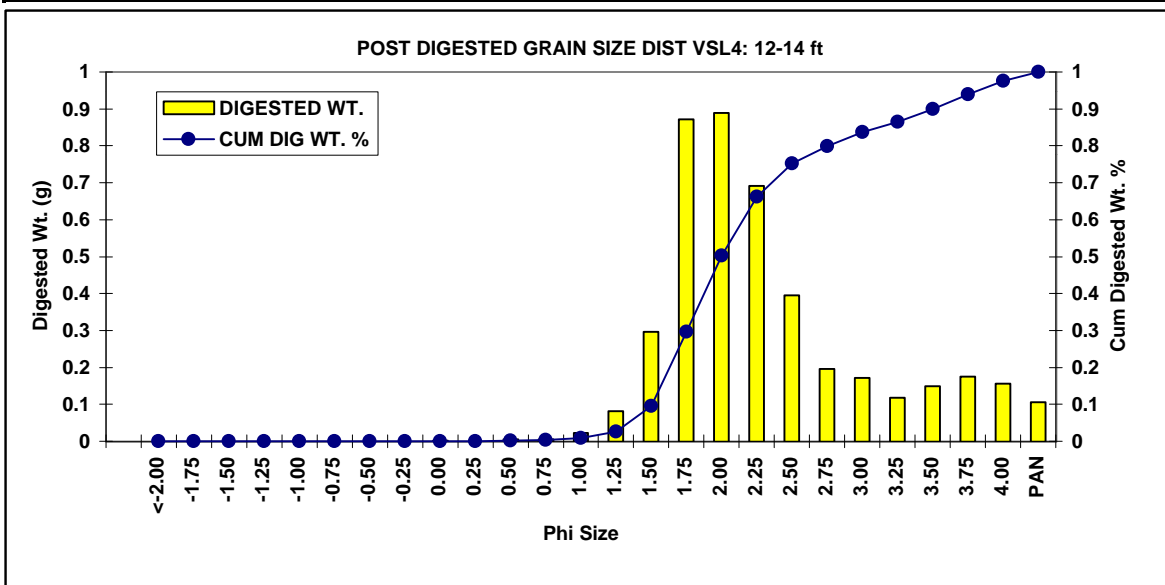


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL4 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.287	0.000	0.000	0.000000000	0.000000000
-1.75	0.162	0.000	0.000	0.000000000	0.000000000
-1.50	0.355	0.000	0.000	0.000000000	0.000000000
-1.25	0.774	0.000	0.000	0.000000000	0.000000000
-1.00	1.248	0.000	0.000	0.000000000	0.000000000
-0.75	2.147	0.000	0.000	0.000000000	0.000000000
-0.50	3.282	0.000	0.000	0.000000000	0.000000000
-0.25	4.973	0.000	0.000	0.000000000	0.000000000
0.00	5.614	0.001	0.001	0.000230894	0.000230894
0.25	7.091	0.000	0.001	0.000000000	0.000230894
0.50	6.099	0.005	0.006	0.001154468	0.001385361
0.75	5.189	0.006	0.012	0.001385361	0.002770723
1.00	4.706	0.023	0.035	0.005310552	0.008081275
1.25	3.823	0.081	0.116	0.018702378	0.026783653
1.50	2.922	0.297	0.413	0.068575387	0.095359039
1.75	3.903	0.872	1.285	0.201339183	0.296698222
2.00	2.987	0.889	2.174	0.205264373	0.501962595
2.25	2.462	0.692	2.866	0.159778342	0.661740937
2.50	1.795	0.395	3.261	0.091202955	0.752943893
2.75	1.005	0.196	3.457	0.045255137	0.798199030
3.00	0.611	0.171	3.628	0.039482798	0.837681829
3.25	0.240	0.118	3.746	0.027245440	0.864927269
3.50	0.362	0.149	3.895	0.034403140	0.899330409
3.75	0.262	0.175	4.070	0.040406373	0.939736781
4.00	0.212	0.156	4.226	0.036019395	0.975756176
PAN	0.177	0.105	4.331	0.024243824	1.0

TOTAL WT. 63.688 grams  
 DIGESTED WT. 4.331 grams  
 % SILICA 6.800

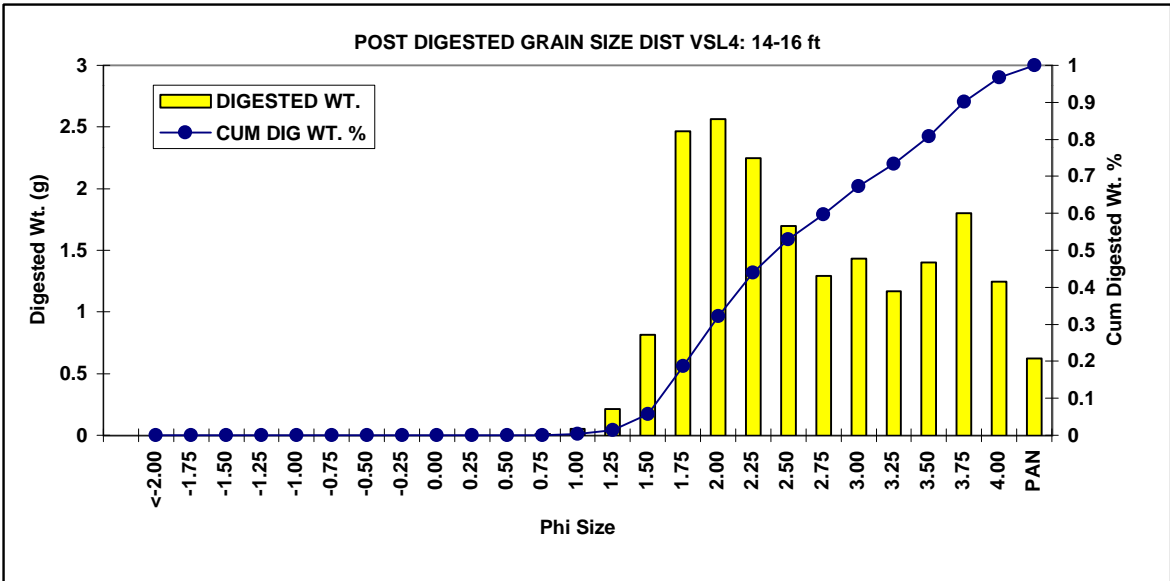


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL4 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.083	0.000	0.000	0.000000000	0.000000000
-1.25	0.077	0.000	0.000	0.000000000	0.000000000
-1.00	0.075	0.000	0.000	0.000000000	0.000000000
-0.75	0.149	0.000	0.000	0.000000000	0.000000000
-0.50	0.275	0.000	0.000	0.000000000	0.000000000
-0.25	0.450	0.000	0.000	0.000000000	0.000000000
0.00	0.703	0.000	0.000	0.000000000	0.000000000
0.25	1.508	0.000	0.000	0.000000000	0.000000000
0.50	2.380	0.002	0.002	0.000105114	0.000105114
0.75	3.836	0.009	0.011	0.000473012	0.000578126
1.00	6.430	0.052	0.063	0.002732958	0.003311084
1.25	8.191	0.212	0.275	0.011142061	0.014453146
1.50	7.807	0.815	1.090	0.042833868	0.057287013
1.75	11.887	2.467	3.557	0.129657855	0.186944868
2.00	10.886	2.565	6.122	0.134808430	0.321753298
2.25	10.262	2.245	8.367	0.117990224	0.439743522
2.50	9.799	1.697	10.064	0.089189047	0.528932570
2.75	7.250	1.291	11.355	0.067850949	0.596783518
3.00	5.712	1.435	12.790	0.075419141	0.672202659
3.25	2.367	1.167	13.957	0.061333894	0.733536553
3.50	3.111	1.401	15.358	0.073632207	0.807168760
3.75	2.015	1.802	17.160	0.094707521	0.901876281
4.00	1.515	1.244	18.404	0.065380775	0.967257056
PAN	0.709	0.623	19.027	0.032742944	1.0

<b>TOTAL WT.</b>	97.477	grams
<b>DIGESTED WT.</b>	19.027	grams
<b>% SILICA</b>	19.519	

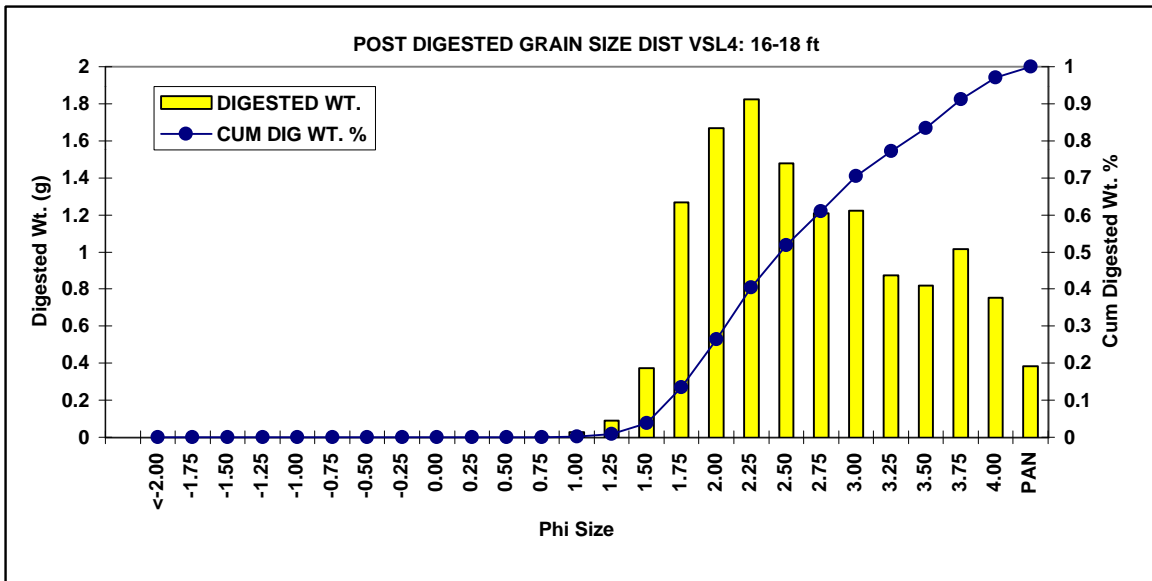


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL4 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.822	0.000	0.000	0.000000000	0.000000000
-1.75	0.390	0.000	0.000	0.000000000	0.000000000
-1.50	0.473	0.000	0.000	0.000000000	0.000000000
-1.25	0.703	0.000	0.000	0.000000000	0.000000000
-1.00	0.878	0.000	0.000	0.000000000	0.000000000
-0.75	1.111	0.000	0.000	0.000000000	0.000000000
-0.50	1.633	0.000	0.000	0.000000000	0.000000000
-0.25	2.311	0.000	0.000	0.000000000	0.000000000
0.00	2.288	0.000	0.000	0.000000000	0.000000000
0.25	3.238	0.000	0.000	0.000000000	0.000000000
0.50	3.483	0.000	0.000	0.000000000	0.000000000
0.75	4.233	0.005	0.005	0.000384349	0.000384349
1.00	5.909	0.026	0.031	0.001998616	0.002382966
1.25	6.757	0.089	0.120	0.006841417	0.009224383
1.50	6.117	0.373	0.493	0.028672458	0.037896841
1.75	9.111	1.269	1.762	0.097547851	0.135444692
2.00	8.892	1.667	3.429	0.128142056	0.263586748
2.25	9.003	1.824	5.253	0.140210623	0.403797371
2.50	8.329	1.479	6.732	0.113690522	0.517487893
2.75	5.898	1.209	7.941	0.092935660	0.610423553
3.00	4.379	1.222	9.163	0.093934968	0.704358521
3.25	1.411	0.875	10.038	0.067261127	0.771619648
3.50	2.279	0.820	10.858	0.063033285	0.834652933
3.75	1.123	1.015	11.873	0.078022907	0.912675840
4.00	0.926	0.752	12.625	0.057806134	0.970481974
PAN	0.539	0.384	13.009	0.029518026	1.0

TOTAL WT. 92.236 grams  
 DIGESTED WT. 13.009 grams  
 % SILICA 14.104

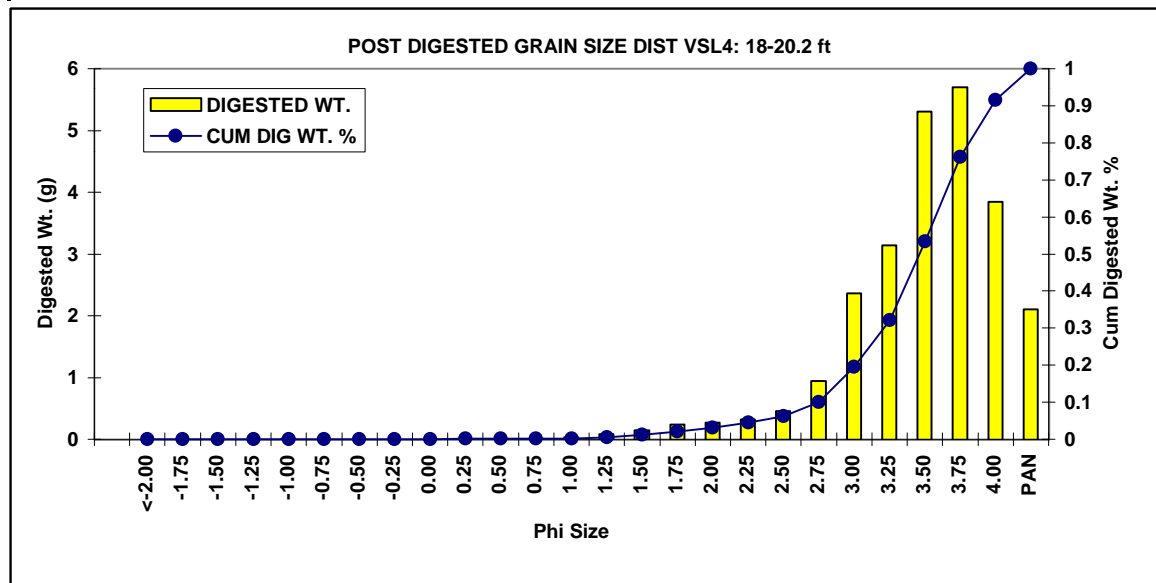


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL4 : 18-20.2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	34.801	0.000	0.000	0.000000000	0.000000000
-1.75	1.100	0.000	0.000	0.000000000	0.000000000
-1.50	1.458	0.000	0.000	0.000000000	0.000000000
-1.25	2.134	0.000	0.000	0.000000000	0.000000000
-1.00	1.947	0.013	0.013	0.000520604	0.000520604
-0.75	1.984	0.000	0.013	0.000000000	0.000520604
-0.50	2.082	0.001	0.014	0.000040046	0.000560650
-0.25	1.871	0.001	0.015	0.000040046	0.000600697
0.00	1.426	0.002	0.017	0.000080093	0.000680790
0.25	1.479	0.006	0.023	0.000240279	0.000921068
0.50	1.259	0.003	0.026	0.000120139	0.001041208
0.75	1.229	0.007	0.033	0.000280325	0.001321533
1.00	1.500	0.026	0.059	0.001041208	0.002362741
1.25	1.461	0.078	0.137	0.003123623	0.005486364
1.50	1.110	0.144	0.281	0.005766689	0.011253054
1.75	1.615	0.236	0.517	0.009450963	0.020704017
2.00	1.620	0.272	0.789	0.010892635	0.031596652
2.25	2.323	0.326	1.115	0.013055144	0.044651796
2.50	4.073	0.455	1.570	0.018221137	0.062872933
2.75	6.080	0.948	2.518	0.037964038	0.100836971
3.00	9.519	2.365	4.883	0.094709863	0.195546834
3.25	7.892	3.143	8.026	0.125866005	0.321412839
3.50	10.828	5.305	13.331	0.212446438	0.533859277
3.75	6.464	5.697	19.028	0.228144648	0.762003925
4.00	5.081	3.843	22.871	0.153898522	0.915902447
PAN	2.990	2.100	24.971	0.084097553	1.0

TOTAL WT. 115.326 grams  
 DIGESTED WT. 24.971 grams  
 % SILICA 21.653

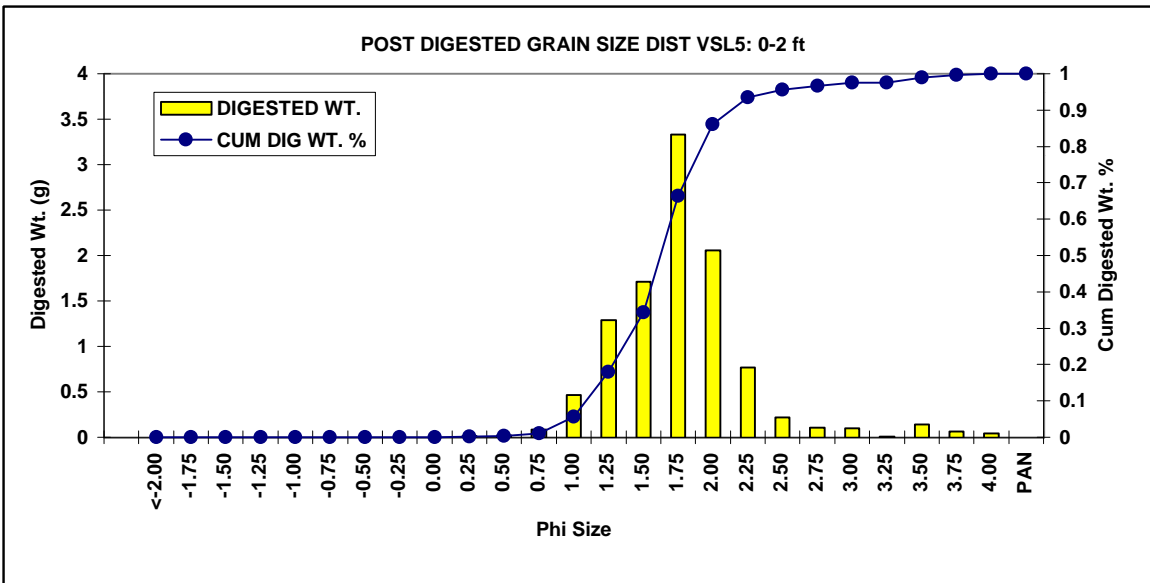


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL5 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.645	0.000	0.000	0.000000000	0.000000000
-1.75	0.113	0.000	0.000	0.000000000	0.000000000
-1.50	0.410	0.000	0.000	0.000000000	0.000000000
-1.25	0.598	0.000	0.000	0.000000000	0.000000000
-1.00	0.866	0.000	0.000	0.000000000	0.000000000
-0.75	1.292	0.001	0.001	0.000095969	0.000095969
-0.50	1.938	0.001	0.002	0.000095969	0.000191939
-0.25	2.989	0.000	0.002	0.000000000	0.000191939
0.00	3.471	0.001	0.003	0.000095969	0.000287908
0.25	5.252	0.012	0.015	0.001151631	0.001439539
0.50	5.855	0.018	0.033	0.001727447	0.003166987
0.75	7.167	0.083	0.116	0.007965451	0.011132438
1.00	9.842	0.464	0.580	0.044529750	0.055662188
1.25	12.163	1.290	1.870	0.123800384	0.179462572
1.50	10.594	1.710	3.580	0.164107486	0.343570058
1.75	14.066	3.334	6.914	0.319961612	0.663531670
2.00	9.169	2.059	8.973	0.197600768	0.861132438
2.25	4.714	0.768	9.741	0.073704415	0.934836852
2.50	1.772	0.219	9.960	0.021017274	0.955854127
2.75	0.486	0.104	10.064	0.009980806	0.965834933
3.00	0.213	0.101	10.165	0.009692898	0.975527831
3.25	0.015	0.006	10.171	0.000575816	0.976103647
3.50	0.150	0.143	10.314	0.013723608	0.989827255
3.75	0.084	0.065	10.379	0.006238004	0.996065259
4.00	0.054	0.041	10.420	0.003934741	1.000000000
PAN	0.026	0.000	10.420	0.000000000	1.0

TOTAL WT. 93.944 grams  
 DIGESTED WT. 10.420 grams  
 % SILICA 11.092



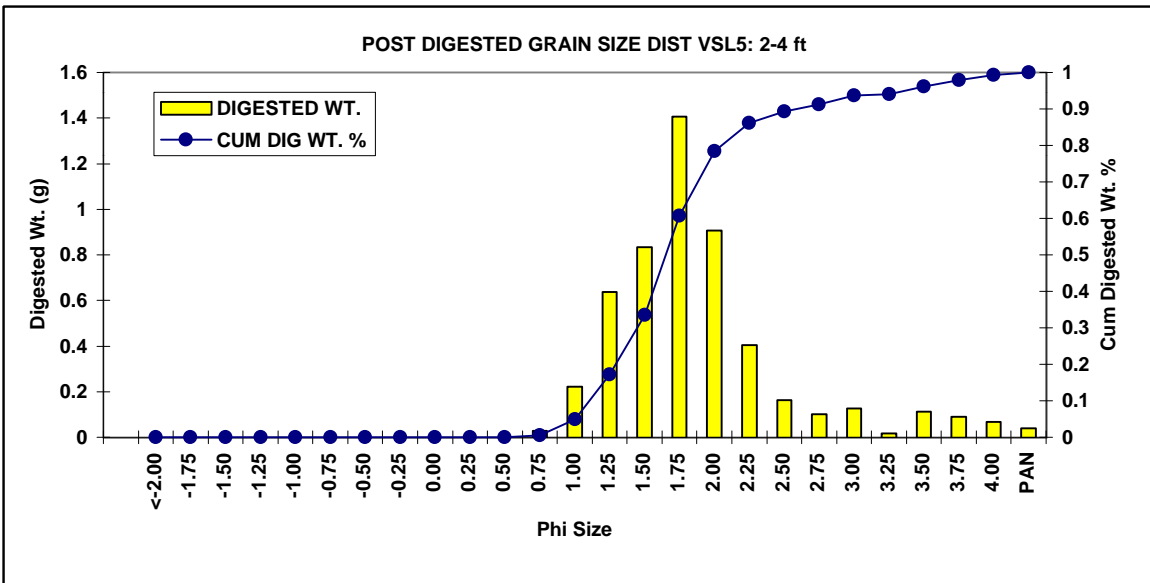


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL5 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.173	0.000	0.000	0.000000000	0.000000000
-1.75	0.229	0.000	0.000	0.000000000	0.000000000
-1.50	0.475	0.000	0.000	0.000000000	0.000000000
-1.25	0.856	0.000	0.000	0.000000000	0.000000000
-1.00	1.490	0.000	0.000	0.000000000	0.000000000
-0.75	2.848	0.000	0.000	0.000000000	0.000000000
-0.50	4.004	0.000	0.000	0.000000000	0.000000000
-0.25	5.262	0.000	0.000	0.000000000	0.000000000
0.00	5.812	0.001	0.001	0.000194212	0.000194212
0.25	7.591	0.001	0.002	0.000194212	0.000388425
0.50	7.181	0.000	0.002	0.000000000	0.000388425
0.75	7.635	0.028	0.030	0.005437949	0.005826374
1.00	8.783	0.221	0.251	0.042920956	0.048747330
1.25	8.727	0.638	0.889	0.123907555	0.172654884
1.50	6.366	0.835	1.724	0.162167411	0.334822296
1.75	7.050	1.405	3.129	0.272868518	0.607690814
2.00	4.436	0.907	4.036	0.176150709	0.783841523
2.25	2.510	0.403	4.439	0.078267625	0.862109147
2.50	1.263	0.162	4.601	0.031462420	0.893571567
2.75	0.574	0.100	4.701	0.019421247	0.912992814
3.00	0.398	0.125	4.826	0.024276559	0.937269373
3.25	0.035	0.016	4.842	0.003107399	0.940376772
3.50	0.292	0.112	4.954	0.021751796	0.962128569
3.75	0.099	0.090	5.044	0.017479122	0.979607691
4.00	0.068	0.066	5.110	0.012818023	0.992425714
PAN	0.055	0.039	5.149	0.007574286	1.0

<b>TOTAL WT.</b>	84.212	grams
<b>DIGESTED WT.</b>	5.149	grams
<b>% SILICA</b>	6.114	

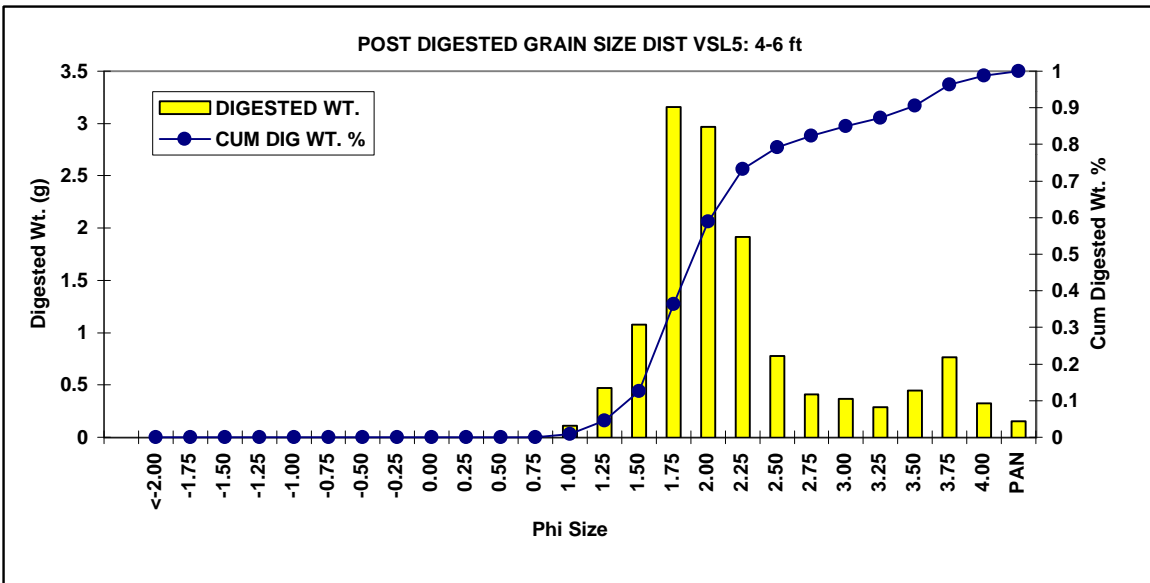


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL5 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.419	0.000	0.000	0.000000000	0.000000000
-1.75	0.339	0.000	0.000	0.000000000	0.000000000
-1.50	0.679	0.000	0.000	0.000000000	0.000000000
-1.25	0.707	0.000	0.000	0.000000000	0.000000000
-1.00	0.972	0.000	0.000	0.000000000	0.000000000
-0.75	1.150	0.000	0.000	0.000000000	0.000000000
-0.50	1.485	0.000	0.000	0.000000000	0.000000000
-0.25	1.859	0.000	0.000	0.000000000	0.000000000
0.00	2.078	0.001	0.001	0.000075506	0.000075506
0.25	2.907	0.000	0.001	0.000000000	0.000075506
0.50	3.357	0.002	0.003	0.000151012	0.000226518
0.75	4.161	0.008	0.011	0.000604047	0.000830565
1.00	6.340	0.109	0.120	0.008230142	0.009060707
1.25	8.716	0.473	0.593	0.035714286	0.044774992
1.50	9.105	1.079	1.672	0.081470855	0.126245847
1.75	14.910	3.155	4.827	0.238221081	0.364466928
2.00	13.187	2.965	7.792	0.223874962	0.588341891
2.25	9.781	1.917	9.709	0.144744790	0.733086681
2.50	5.832	0.779	10.488	0.058819088	0.791905769
2.75	2.709	0.409	10.897	0.030881909	0.822787677
3.00	1.619	0.367	11.264	0.027710661	0.850498339
3.25	0.293	0.290	11.554	0.021896708	0.872395047
3.50	1.252	0.448	12.002	0.033826638	0.906221685
3.75	0.775	0.765	12.767	0.057762005	0.963983691
4.00	0.372	0.326	13.093	0.024614920	0.988598611
PAN	0.161	0.151	13.244	0.011401389	1.0

<b>TOTAL WT.</b>	96.165	grams
<b>DIGESTED WT.</b>	13.244	grams
<b>% SILICA</b>	13.772	

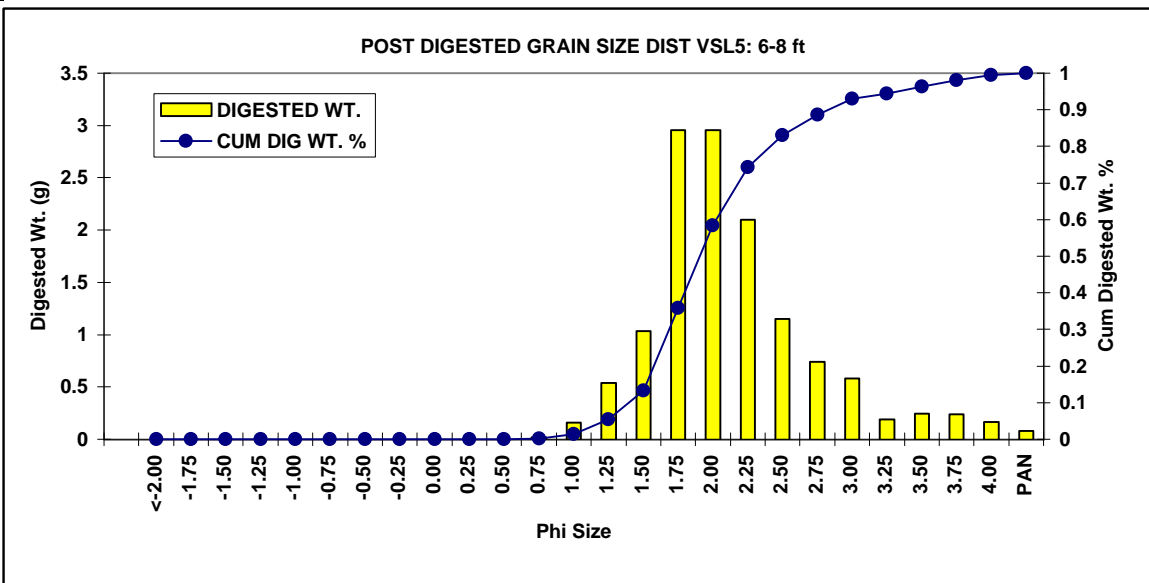


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL5 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.459	0.000	0.000	0.000000000	0.000000000
-1.75	0.118	0.000	0.000	0.000000000	0.000000000
-1.50	0.285	0.000	0.000	0.000000000	0.000000000
-1.25	0.292	0.000	0.000	0.000000000	0.000000000
-1.00	0.455	0.000	0.000	0.000000000	0.000000000
-0.75	0.664	0.000	0.000	0.000000000	0.000000000
-0.50	1.000	0.000	0.000	0.000000000	0.000000000
-0.25	1.227	0.000	0.000	0.000000000	0.000000000
0.00	1.384	0.000	0.000	0.000000000	0.000000000
0.25	2.201	0.000	0.000	0.000000000	0.000000000
0.50	2.458	0.003	0.003	0.000228050	0.000228050
0.75	3.287	0.019	0.022	0.001444318	0.001672368
1.00	5.384	0.159	0.181	0.012086659	0.013759027
1.25	7.578	0.541	0.722	0.041125048	0.054884074
1.50	8.340	1.036	1.758	0.078753326	0.133637400
1.75	14.284	2.957	4.715	0.224781452	0.358418852
2.00	13.765	2.955	7.670	0.224629418	0.583048271
2.25	11.305	2.099	9.769	0.159559103	0.742607374
2.50	8.130	1.148	10.917	0.087267199	0.829874572
2.75	4.409	0.739	11.656	0.056176359	0.886050931
3.00	2.486	0.579	12.235	0.044013683	0.930064614
3.25	0.218	0.191	12.426	0.014519194	0.944583808
3.50	0.976	0.246	12.672	0.018700114	0.963283922
3.75	0.259	0.240	12.912	0.018244014	0.981527936
4.00	0.179	0.164	13.076	0.012466743	0.993994679
PAN	0.082	0.079	13.155	0.006005321	1.0

TOTAL WT. 91.225 grams  
 DIGESTED WT. 13.155 grams  
 % SILICA 14.420

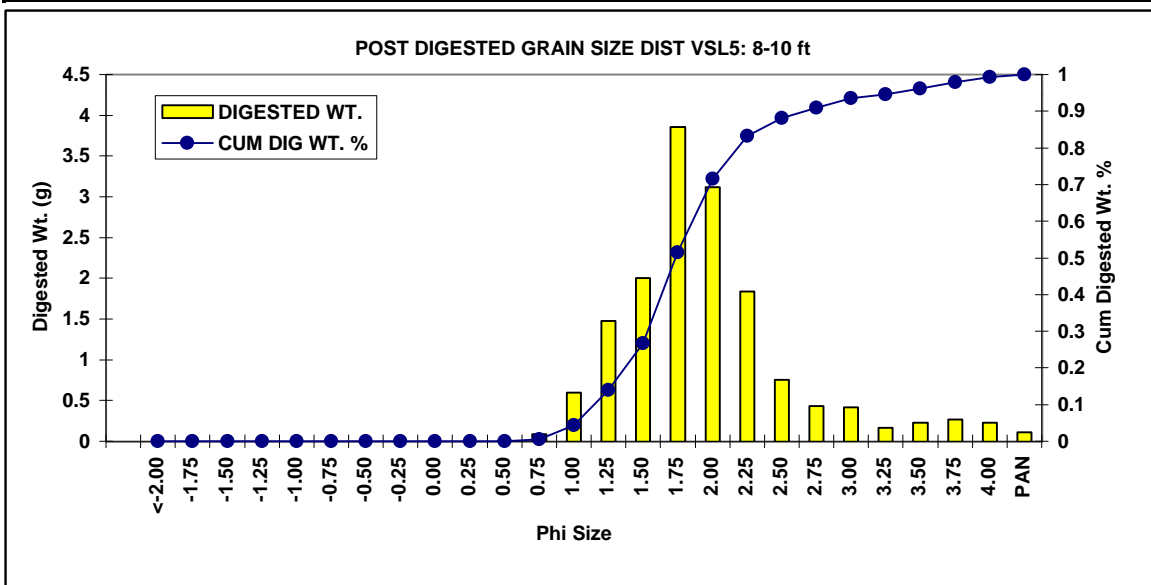


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL5 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.298	0.000	0.000	0.000000000	0.000000000
-1.75	0.184	0.000	0.000	0.000000000	0.000000000
-1.50	0.468	0.000	0.000	0.000000000	0.000000000
-1.25	0.633	0.000	0.000	0.000000000	0.000000000
-1.00	1.061	0.000	0.000	0.000000000	0.000000000
-0.75	1.621	0.000	0.000	0.000000000	0.000000000
-0.50	2.159	0.000	0.000	0.000000000	0.000000000
-0.25	3.094	0.000	0.000	0.000000000	0.000000000
0.00	3.542	0.000	0.000	0.000000000	0.000000000
0.25	5.331	0.000	0.000	0.000000000	0.000000000
0.50	5.539	0.007	0.007	0.000449179	0.000449179
0.75	6.472	0.085	0.092	0.005454312	0.005903491
1.00	9.218	0.598	0.690	0.038372690	0.044276181
1.25	11.977	1.474	2.164	0.094584189	0.138860370
1.50	11.210	2.004	4.168	0.128593429	0.267453799
1.75	16.387	3.856	8.024	0.247433265	0.514887064
2.00	13.218	3.115	11.139	0.199884497	0.714771561
2.25	9.037	1.841	12.980	0.118133984	0.832905544
2.50	5.330	0.753	13.733	0.048318789	0.881224333
2.75	2.564	0.434	14.167	0.027849076	0.909073409
3.00	1.583	0.413	14.580	0.026501540	0.935574949
3.25	0.184	0.166	14.746	0.010651951	0.946226899
3.50	0.815	0.229	14.975	0.014694559	0.960921458
3.75	0.322	0.270	15.245	0.017325462	0.978246920
4.00	0.239	0.230	15.475	0.014758727	0.993005647
PAN	0.117	0.109	15.584	0.006994353	1.0

TOTAL WT. 112.603 grams  
 DIGESTED WT. 15.584 grams  
 % SILICA 13.840

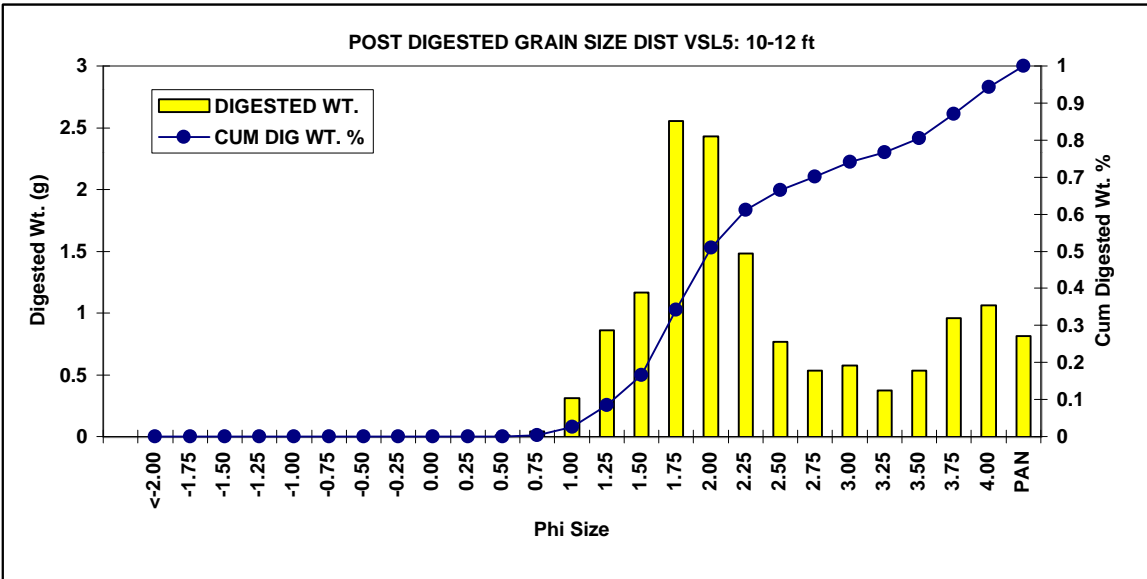


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL5 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.275	0.000	0.000	0.000000000	0.000000000
-1.75	0.194	0.000	0.000	0.000000000	0.000000000
-1.50	0.455	0.000	0.000	0.000000000	0.000000000
-1.25	0.588	0.000	0.000	0.000000000	0.000000000
-1.00	0.849	0.000	0.000	0.000000000	0.000000000
-0.75	1.230	0.000	0.000	0.000000000	0.000000000
-0.50	1.671	0.000	0.000	0.000000000	0.000000000
-0.25	1.988	0.000	0.000	0.000000000	0.000000000
0.00	2.152	0.000	0.000	0.000000000	0.000000000
0.25	3.261	0.002	0.002	0.000138150	0.000138150
0.50	3.566	0.008	0.010	0.000552601	0.000690751
0.75	4.555	0.043	0.053	0.002970229	0.003660979
1.00	6.845	0.313	0.366	0.021620501	0.025281481
1.25	8.971	0.862	1.228	0.059542723	0.084824204
1.50	8.539	1.167	2.395	0.080610624	0.165434828
1.75	12.880	2.554	4.949	0.176417766	0.341852594
2.00	10.785	2.428	7.377	0.167714305	0.509566899
2.25	8.231	1.484	8.861	0.102507426	0.612074325
2.50	5.565	0.768	9.629	0.053049665	0.665123990
2.75	3.179	0.532	10.161	0.036747945	0.701871935
3.00	2.322	0.574	10.735	0.039649099	0.741521033
3.25	0.463	0.371	11.106	0.025626856	0.767147890
3.50	1.853	0.535	11.641	0.036955170	0.804103060
3.75	1.430	0.956	12.597	0.066035781	0.870138841
4.00	1.769	1.064	13.661	0.073495890	0.943634731
PAN	1.359	0.816	14.477	0.056365269	1.0

TOTAL WT. 94.975 grams  
 DIGESTED WT. 14.477 grams  
 % SILICA 15.243

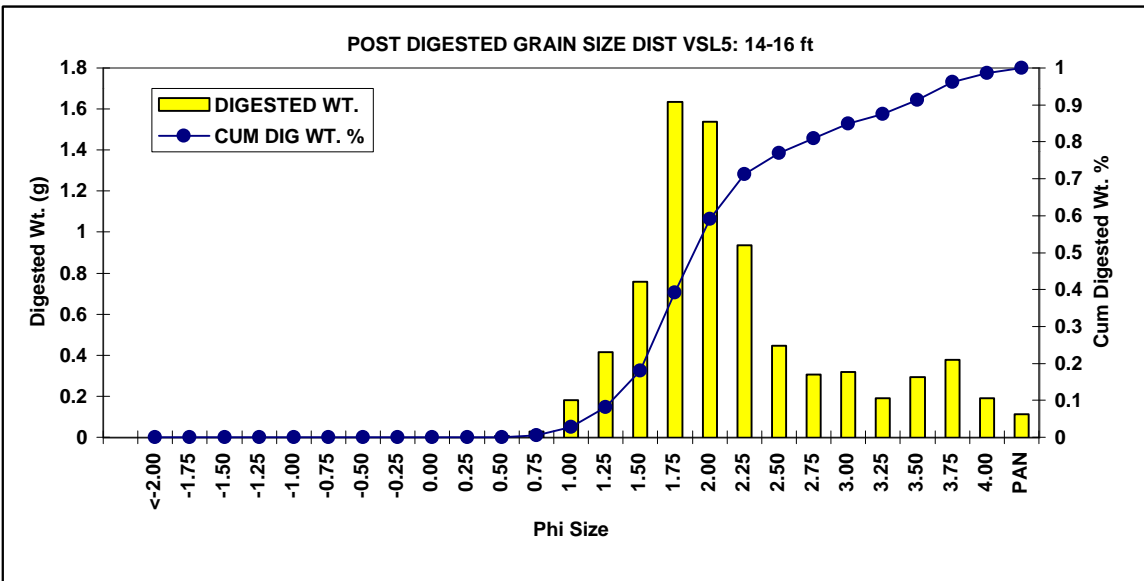


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL5 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.337	0.000	0.000	0.000000000	0.000000000
-1.75	0.409	0.000	0.000	0.000000000	0.000000000
-1.50	0.792	0.000	0.000	0.000000000	0.000000000
-1.25	1.134	0.000	0.000	0.000000000	0.000000000
-1.00	1.919	0.000	0.000	0.000000000	0.000000000
-0.75	2.622	0.000	0.000	0.000000000	0.000000000
-0.50	3.099	0.000	0.000	0.000000000	0.000000000
-0.25	3.721	0.000	0.000	0.000000000	0.000000000
0.00	3.472	0.000	0.000	0.000000000	0.000000000
0.25	4.308	0.000	0.000	0.000000000	0.000000000
0.50	4.226	0.006	0.006	0.000776498	0.000776498
0.75	4.580	0.029	0.035	0.003753074	0.004529572
1.00	5.819	0.182	0.217	0.023553772	0.028083344
1.25	6.514	0.415	0.632	0.053707778	0.081791122
1.50	5.739	0.759	1.391	0.098226996	0.180018118
1.75	8.168	1.635	3.026	0.211595703	0.391613822
2.00	6.801	1.537	4.563	0.198912903	0.590526724
2.25	5.183	0.935	5.498	0.121004271	0.711530995
2.50	3.470	0.446	5.944	0.057719684	0.769250679
2.75	1.911	0.307	6.251	0.039730814	0.808981493
3.00	1.287	0.317	6.568	0.041024977	0.850006471
3.25	0.212	0.191	6.759	0.024718519	0.874724990
3.50	0.918	0.292	7.051	0.037789569	0.912514559
3.75	0.408	0.376	7.427	0.048660541	0.961175100
4.00	0.228	0.189	7.616	0.024459687	0.985634787
PAN	0.112	0.111	7.727	0.014365213	1.0

TOTAL WT. 78.389 grams  
 DIGESTED WT. 7.727 grams  
 % SILICA 9.857

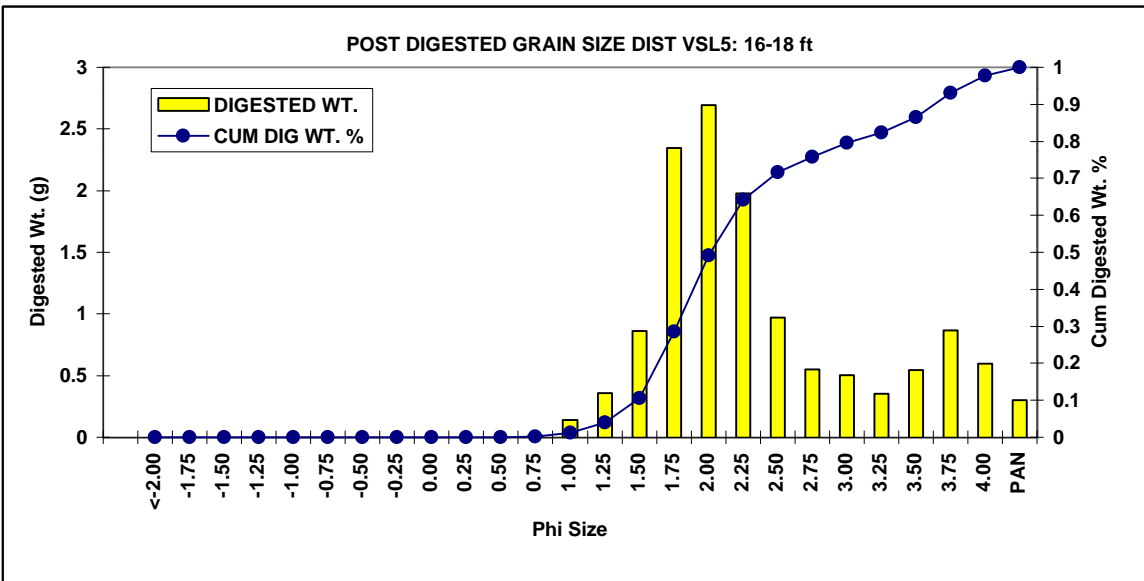


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL5 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	3.972	0.000	0.000	0.000000000	0.000000000
-1.75	1.325	0.000	0.000	0.000000000	0.000000000
-1.50	1.386	0.000	0.000	0.000000000	0.000000000
-1.25	2.212	0.000	0.000	0.000000000	0.000000000
-1.00	2.575	0.000	0.000	0.000000000	0.000000000
-0.75	3.297	0.000	0.000	0.000000000	0.000000000
-0.50	3.879	0.001	0.001	0.000076412	0.000076412
-0.25	4.353	0.000	0.001	0.000000000	0.000076412
0.00	3.926	0.000	0.001	0.000000000	0.000076412
0.25	4.960	0.000	0.001	0.000000000	0.000076412
0.50	4.763	0.002	0.003	0.000152823	0.000229235
0.75	5.279	0.015	0.018	0.001146176	0.001375411
1.00	6.938	0.139	0.157	0.010621227	0.011996638
1.25	8.316	0.357	0.514	0.027278979	0.039275617
1.50	7.929	0.863	1.377	0.065943303	0.105218920
1.75	12.410	2.348	3.725	0.179414686	0.284633606
2.00	11.734	2.694	6.419	0.205853137	0.490486743
2.25	9.896	1.979	8.398	0.151218767	0.641705509
2.50	7.042	0.971	9.369	0.074195767	0.715901276
2.75	3.761	0.550	9.919	0.042026438	0.757927715
3.00	2.342	0.504	10.423	0.038511500	0.796439214
3.25	0.549	0.352	10.775	0.026896921	0.823336135
3.50	1.606	0.546	11.321	0.041720792	0.865056927
3.75	1.023	0.869	12.190	0.066401773	0.931458699
4.00	0.797	0.598	12.788	0.045694200	0.977152900
PAN	0.530	0.299	13.087	0.022847100	1.0

TOTAL WT. 116.800 grams  
 DIGESTED WT. 13.087 grams  
 % SILICA 11.205

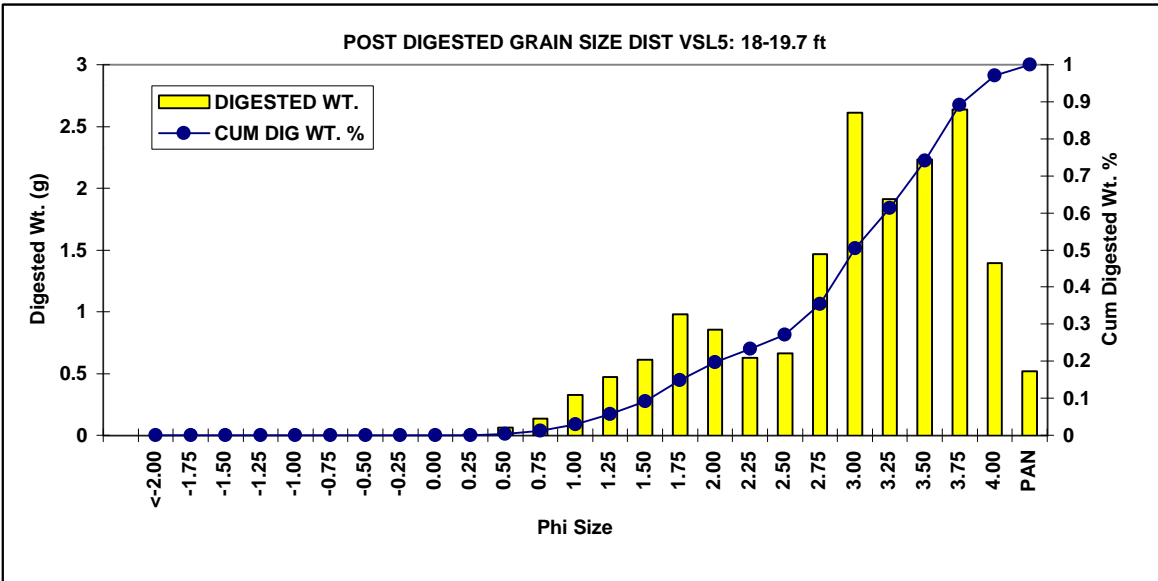


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL5 : 18-19.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.280	0.000	0.000	0.000000000	0.000000000
-1.75	0.166	0.000	0.000	0.000000000	0.000000000
-1.50	0.270	0.000	0.000	0.000000000	0.000000000
-1.25	0.540	0.000	0.000	0.000000000	0.000000000
-1.00	0.692	0.000	0.000	0.000000000	0.000000000
-0.75	1.246	0.000	0.000	0.000000000	0.000000000
-0.50	1.621	0.000	0.000	0.000000000	0.000000000
-0.25	1.869	0.000	0.000	0.000000000	0.000000000
0.00	2.078	0.000	0.000	0.000000000	0.000000000
0.25	2.896	0.006	0.006	0.000342740	0.000342740
0.50	3.217	0.061	0.067	0.003484520	0.003827259
0.75	3.763	0.135	0.202	0.007711642	0.011538901
1.00	4.865	0.326	0.528	0.018622187	0.030161088
1.25	5.250	0.474	1.002	0.027076431	0.057237519
1.50	4.404	0.609	1.611	0.034788073	0.092025591
1.75	6.416	0.981	2.592	0.056037930	0.148063521
2.00	6.138	0.855	3.447	0.048840398	0.196903919
2.25	6.809	0.629	4.076	0.035930538	0.232834457
2.50	8.804	0.663	4.739	0.037872729	0.270707186
2.75	9.906	1.464	6.203	0.083628470	0.354335656
3.00	10.223	2.611	8.814	0.149148863	0.503484520
3.25	4.454	1.911	10.725	0.109162573	0.612647092
3.50	4.872	2.232	12.957	0.127499143	0.740146236
3.75	2.664	2.636	15.593	0.150576945	0.890723181
4.00	1.656	1.395	16.988	0.079686964	0.970410145
PAN	0.623	0.518	17.506	0.029589855	1.0

<b>TOTAL WT.</b>	95.722	grams
<b>DIGESTED WT.</b>	17.506	grams
<b>% SILICA</b>	18.288	



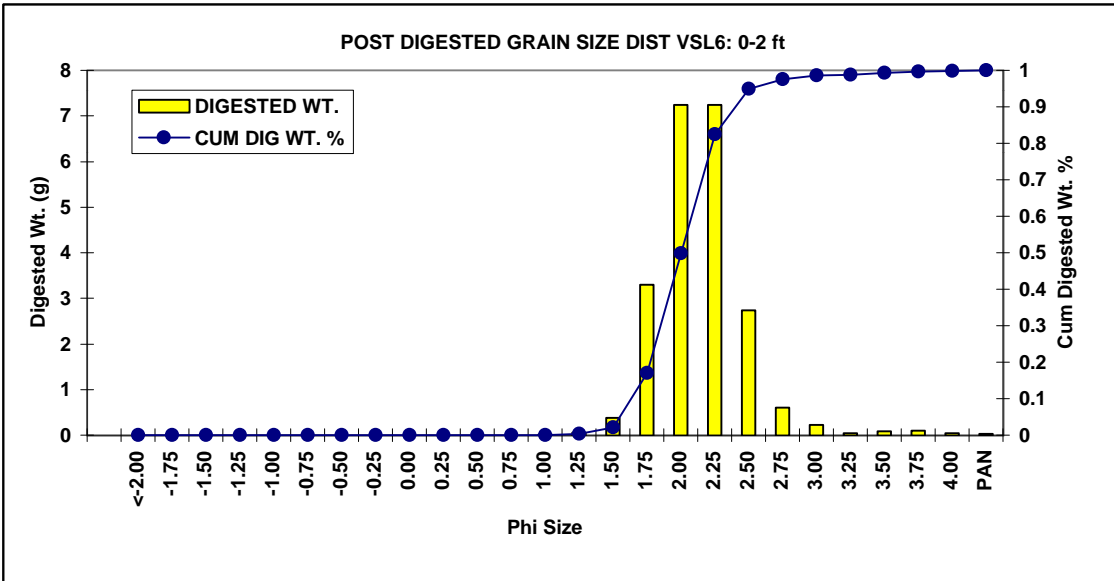


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL6 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.084	0.000	0.000	0.000000000	0.000000000
-1.75	0.017	0.000	0.000	0.000000000	0.000000000
-1.50	0.039	0.000	0.000	0.000000000	0.000000000
-1.25	0.096	0.000	0.000	0.000000000	0.000000000
-1.00	0.085	0.000	0.000	0.000000000	0.000000000
-0.75	0.123	0.000	0.000	0.000000000	0.000000000
-0.50	0.183	0.000	0.000	0.000000000	0.000000000
-0.25	0.240	0.000	0.000	0.000000000	0.000000000
0.00	0.360	0.000	0.000	0.000000000	0.000000000
0.25	0.600	0.000	0.000	0.000000000	0.000000000
0.50	0.811	0.000	0.000	0.000000000	0.000000000
0.75	1.299	0.000	0.000	0.000000000	0.000000000
1.00	2.643	0.009	0.009	0.000407129	0.000407129
1.25	4.241	0.062	0.071	0.002804668	0.003211798
1.50	5.332	0.377	0.448	0.017054193	0.020265991
1.75	12.890	3.299	3.747	0.149235502	0.169501493
2.00	19.816	7.248	10.995	0.327874785	0.497376278
2.25	18.113	7.241	18.236	0.327558129	0.824934407
2.50	9.265	2.739	20.975	0.123903013	0.948837420
2.75	2.915	0.606	21.581	0.027413372	0.976250792
3.00	0.889	0.229	21.810	0.010359179	0.986609970
3.25	0.051	0.036	21.846	0.001628517	0.988238487
3.50	0.315	0.090	21.936	0.004071293	0.992309780
3.75	0.112	0.105	22.041	0.004749842	0.997059622
4.00	0.064	0.041	22.082	0.001854700	0.998914322
PAN	0.049	0.024	22.106	0.001085678	1.0

<b>TOTAL WT.</b>	80.632	grams
<b>DIGESTED WT.</b>	22.106	grams
<b>% SILICA</b>	27.416	

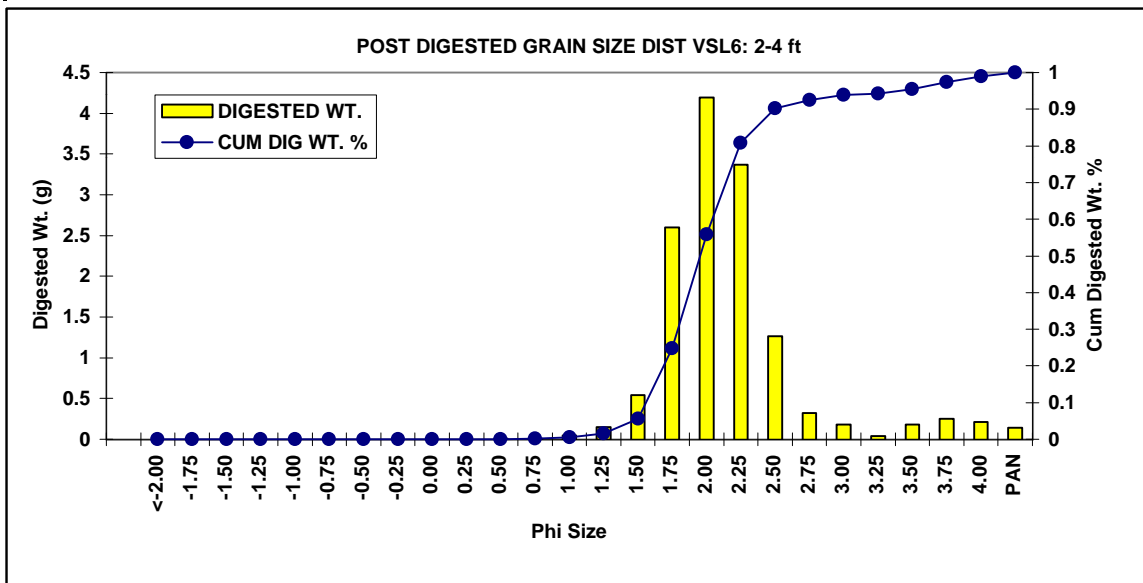


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL6 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.294	0.000	0.000	0.000000000	0.000000000
-1.75	0.168	0.000	0.000	0.000000000	0.000000000
-1.50	0.261	0.000	0.000	0.000000000	0.000000000
-1.25	0.318	0.000	0.000	0.000000000	0.000000000
-1.00	0.492	0.000	0.000	0.000000000	0.000000000
-0.75	0.586	0.000	0.000	0.000000000	0.000000000
-0.50	0.851	0.000	0.000	0.000000000	0.000000000
-0.25	1.337	0.000	0.000	0.000000000	0.000000000
0.00	1.470	0.000	0.000	0.000000000	0.000000000
0.25	2.548	0.000	0.000	0.000000000	0.000000000
0.50	2.907	0.006	0.006	0.000444115	0.000444115
0.75	3.994	0.007	0.013	0.000518135	0.000962250
1.00	6.065	0.048	0.061	0.003552924	0.004515174
1.25	7.411	0.147	0.208	0.010880829	0.015396003
1.50	7.292	0.543	0.751	0.040192450	0.055588453
1.75	12.293	2.600	3.351	0.192450037	0.248038490
2.00	12.666	4.196	7.547	0.310584752	0.558623242
2.25	9.791	3.373	10.920	0.249666913	0.808290155
2.50	5.285	1.265	12.185	0.093634345	0.901924500
2.75	1.800	0.320	12.505	0.023686158	0.925610659
3.00	0.738	0.180	12.685	0.013323464	0.938934123
3.25	0.049	0.036	12.721	0.002664693	0.941598816
3.50	0.592	0.183	12.904	0.013545522	0.955144338
3.75	0.286	0.252	13.156	0.018652850	0.973797187
4.00	0.278	0.215	13.371	0.015914138	0.989711325
PAN	0.206	0.139	13.510	0.010288675	1.0

TOTAL WT. 80.978 grams  
 DIGESTED WT. 13.510 grams  
 % SILICA 16.684

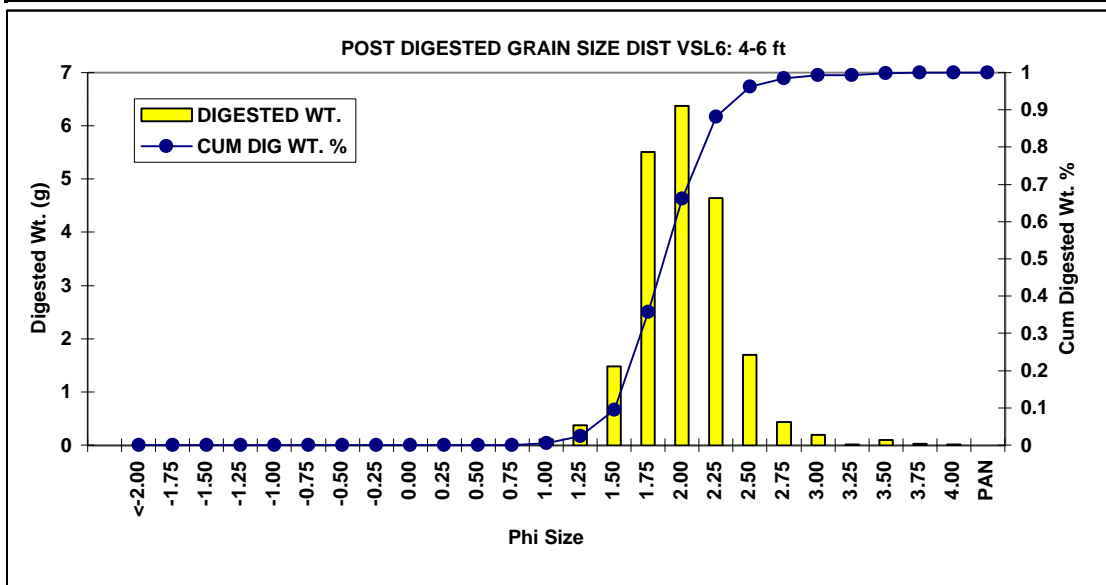


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL6 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.031	0.000	0.000	0.000000000	0.000000000
-1.75	0.092	0.000	0.000	0.000000000	0.000000000
-1.50	0.028	0.000	0.000	0.000000000	0.000000000
-1.25	0.058	0.000	0.000	0.000000000	0.000000000
-1.00	0.119	0.000	0.000	0.000000000	0.000000000
-0.75	0.149	0.000	0.000	0.000000000	0.000000000
-0.50	0.188	0.000	0.000	0.000000000	0.000000000
-0.25	0.440	0.000	0.000	0.000000000	0.000000000
0.00	0.578	0.000	0.000	0.000000000	0.000000000
0.25	1.201	0.000	0.000	0.000000000	0.000000000
0.50	1.901	0.001	0.001	0.000047683	0.000047683
0.75	2.850	0.010	0.011	0.000476826	0.000524509
1.00	5.058	0.111	0.122	0.005292771	0.005817280
1.25	6.766	0.375	0.497	0.017880984	0.023698264
1.50	7.261	1.485	1.982	0.070808697	0.094506962
1.75	13.892	5.508	7.490	0.262635895	0.357142857
2.00	14.455	6.372	13.862	0.303833683	0.660976540
2.25	10.905	4.639	18.501	0.221199695	0.882176235
2.50	5.873	1.694	20.195	0.080774366	0.962950601
2.75	2.053	0.439	20.634	0.020932672	0.983883273
3.00	0.692	0.188	20.822	0.008964333	0.992847606
3.25	0.030	0.016	20.838	0.000762922	0.993610528
3.50	0.239	0.094	20.932	0.004482167	0.998092695
3.75	0.043	0.025	20.957	0.001192066	0.999284761
4.00	0.023	0.011	20.968	0.000524509	0.999809270
PAN	0.022	0.004	20.972	0.000190730	1.0

<b>TOTAL WT.</b>	74.947	grams
<b>DIGESTED WT.</b>	20.972	grams
<b>% SILICA</b>	27.982	

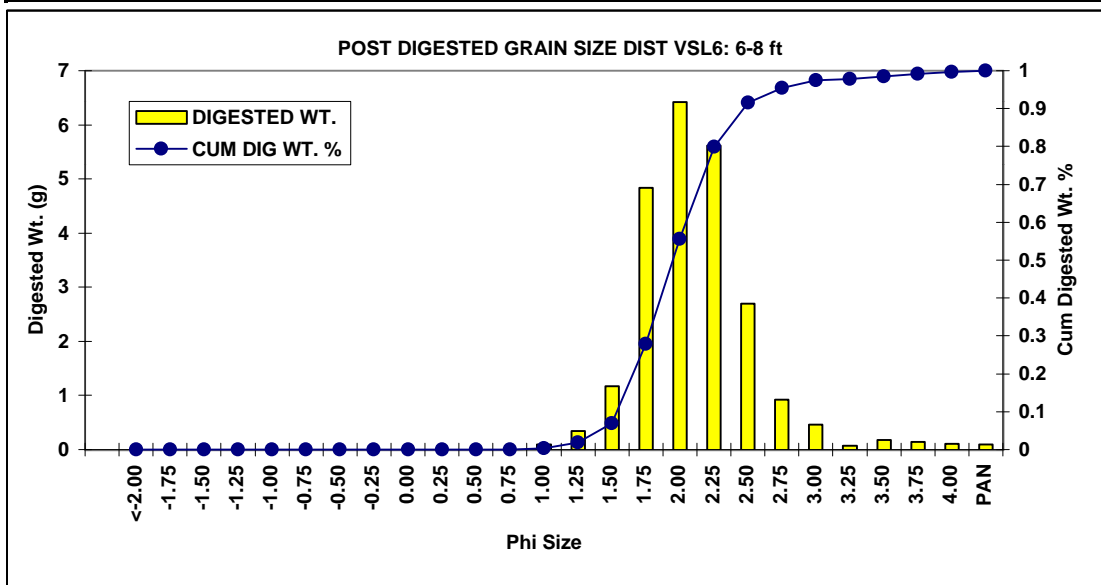


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL6 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.037	0.000	0.000	0.000000000	0.000000000
-1.75	0.038	0.000	0.000	0.000000000	0.000000000
-1.50	0.039	0.000	0.000	0.000000000	0.000000000
-1.25	0.068	0.000	0.000	0.000000000	0.000000000
-1.00	0.176	0.000	0.000	0.000000000	0.000000000
-0.75	0.231	0.000	0.000	0.000000000	0.000000000
-0.50	0.404	0.000	0.000	0.000000000	0.000000000
-0.25	0.469	0.000	0.000	0.000000000	0.000000000
0.00	0.633	0.000	0.000	0.000000000	0.000000000
0.25	1.224	0.000	0.000	0.000000000	0.000000000
0.50	1.671	0.000	0.000	0.000000000	0.000000000
0.75	2.488	0.005	0.005	0.000216029	0.000216029
1.00	4.323	0.091	0.096	0.003931735	0.004147764
1.25	6.156	0.338	0.434	0.014603586	0.018751350
1.50	6.854	1.172	1.606	0.050637287	0.069388637
1.75	14.130	4.840	6.446	0.209116440	0.278505077
2.00	16.343	6.421	12.867	0.277424930	0.555930006
2.25	14.408	5.612	18.479	0.242471376	0.798401383
2.50	9.386	2.692	21.171	0.116310218	0.914711601
2.75	4.074	0.922	22.093	0.039835818	0.954547418
3.00	1.773	0.465	22.558	0.020090732	0.974638151
3.25	0.093	0.066	22.624	0.002851588	0.977489739
3.50	0.716	0.176	22.800	0.007604234	0.985093973
3.75	0.165	0.145	22.945	0.006264852	0.991358825
4.00	0.119	0.111	23.056	0.004795852	0.996154677
PAN	0.097	0.089	23.145	0.003845323	1.0

TOTAL WT. 86.115 grams  
 DIGESTED WT. 23.145 grams  
 % SILICA 26.877

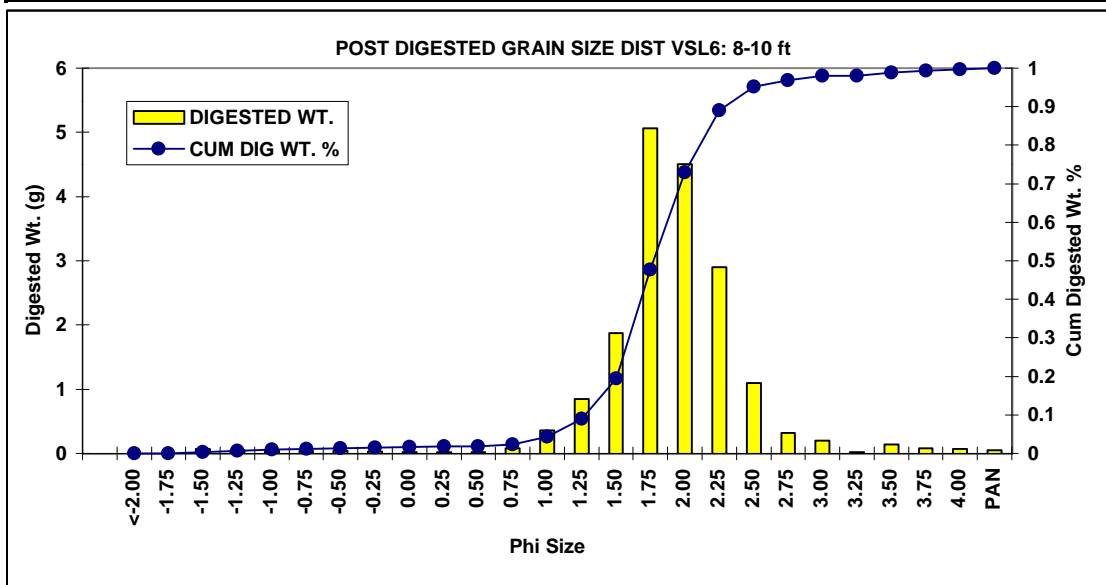


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL6 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.279	0.000	0.000	0.000000000	0.000000000
-1.75	0.103	0.000	0.000	0.000000000	0.000000000
-1.50	0.324	0.074	0.074	0.004129234	0.004129234
-1.25	0.427	0.049	0.123	0.002734222	0.006863456
-1.00	0.870	0.041	0.164	0.002287819	0.009151275
-0.75	1.277	0.042	0.206	0.002343619	0.011494894
-0.50	2.059	0.042	0.248	0.002343619	0.013838513
-0.25	2.953	0.034	0.282	0.001897216	0.015735729
0.00	3.556	0.017	0.299	0.000948608	0.016684337
0.25	5.460	0.018	0.317	0.001004408	0.017688745
0.50	6.346	0.019	0.336	0.001060209	0.018748954
0.75	7.701	0.078	0.414	0.004352436	0.023101389
1.00	9.950	0.355	0.769	0.019809162	0.042910552
1.25	10.711	0.844	1.613	0.047095586	0.090006138
1.50	9.020	1.878	3.491	0.104793259	0.194799397
1.75	13.066	5.061	8.552	0.282406116	0.477205513
2.00	10.590	4.504	13.056	0.251325261	0.728530774
2.25	7.168	2.898	15.954	0.161709726	0.890240500
2.50	3.860	1.092	17.046	0.060934100	0.951174600
2.75	1.440	0.320	17.366	0.017856146	0.969030746
3.00	0.579	0.196	17.562	0.010936890	0.979967636
3.25	0.024	0.016	17.578	0.000892807	0.980860443
3.50	0.289	0.143	17.721	0.007979465	0.988839908
3.75	0.099	0.080	17.801	0.004464037	0.993303945
4.00	0.077	0.066	17.867	0.003682830	0.996986775
PAN	0.065	0.054	17.921	0.003013225	1.0

<b>TOTAL WT.</b>	98.293	grams
<b>DIGESTED WT.</b>	17.921	grams
<b>% SILICA</b>	18.232	

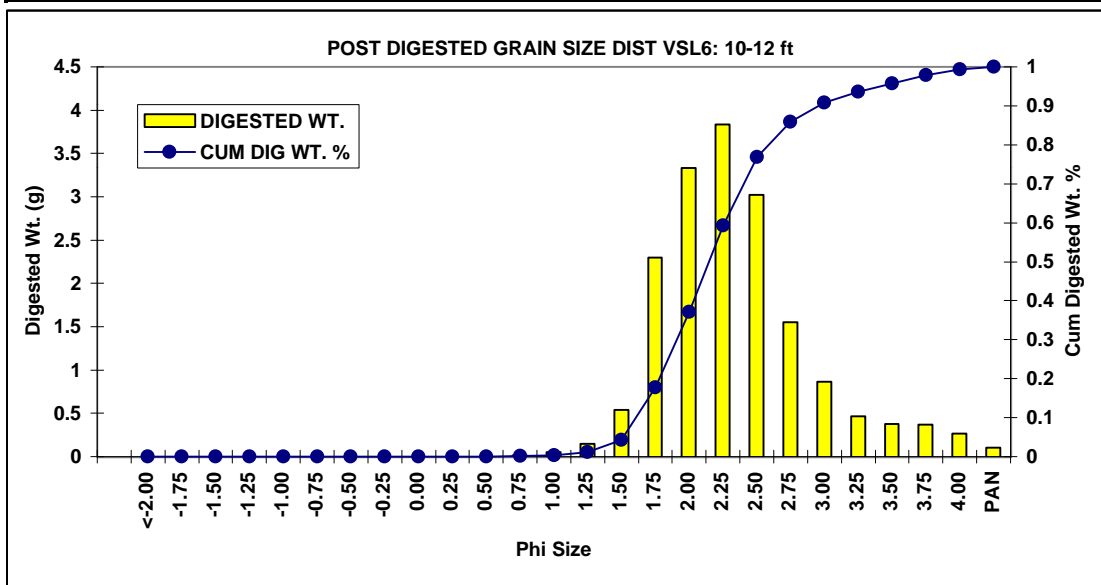


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL6 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.043	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.063	0.000	0.000	0.000000000	0.000000000
-1.25	0.375	0.000	0.000	0.000000000	0.000000000
-1.00	0.514	0.000	0.000	0.000000000	0.000000000
-0.75	0.841	0.000	0.000	0.000000000	0.000000000
-0.50	1.170	0.000	0.000	0.000000000	0.000000000
-0.25	1.687	0.000	0.000	0.000000000	0.000000000
0.00	1.908	0.000	0.000	0.000000000	0.000000000
0.25	2.632	0.000	0.000	0.000000000	0.000000000
0.50	2.761	0.001	0.001	0.000058005	0.000058005
0.75	3.144	0.014	0.015	0.000812065	0.000870070
1.00	4.153	0.050	0.065	0.002900232	0.003770302
1.25	4.316	0.146	0.211	0.008468677	0.012238979
1.50	4.126	0.539	0.750	0.031264501	0.043503480
1.75	7.594	2.300	3.050	0.133410673	0.176914153
2.00	9.334	3.335	6.385	0.193445476	0.370359629
2.25	11.548	3.835	10.220	0.222447796	0.592807425
2.50	11.800	3.022	13.242	0.175290023	0.768097448
2.75	7.039	1.554	14.796	0.090139211	0.858236659
3.00	3.511	0.868	15.664	0.050348028	0.908584687
3.25	0.536	0.465	16.129	0.026972158	0.935556845
3.50	1.337	0.376	16.505	0.021809745	0.957366589
3.75	0.398	0.367	16.872	0.021287703	0.978654292
4.00	0.297	0.264	17.136	0.015313225	0.993967517
PAN	0.130	0.104	17.240	0.006032483	1.0

<b>TOTAL WT.</b>	81.257	grams
<b>DIGESTED WT.</b>	17.240	grams
<b>% SILICA</b>	21.217	

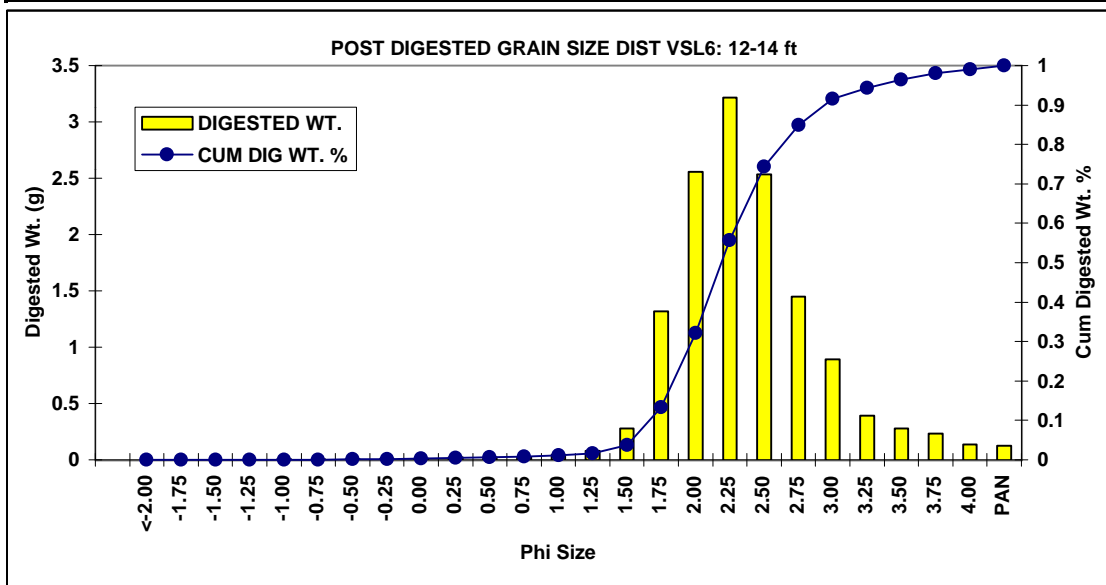


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL6 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.029	0.000	0.000	0.000000000	0.000000000
-1.75	0.267	0.000	0.000	0.000000000	0.000000000
-1.50	0.440	0.000	0.000	0.000000000	0.000000000
-1.25	0.317	0.002	0.002	0.000146671	0.000146671
-1.00	0.480	0.005	0.007	0.000366676	0.000513347
-0.75	0.663	0.004	0.011	0.000293341	0.000806688
-0.50	0.978	0.004	0.015	0.000293341	0.001100029
-0.25	1.516	0.010	0.025	0.000733353	0.001833382
0.00	1.579	0.012	0.037	0.000880023	0.002713406
0.25	2.345	0.022	0.059	0.001613376	0.004326782
0.50	2.674	0.021	0.080	0.001540041	0.005866823
0.75	3.126	0.025	0.105	0.001833382	0.007700205
1.00	4.497	0.046	0.151	0.003373423	0.011073629
1.25	5.226	0.079	0.230	0.005793488	0.016867116
1.50	5.158	0.280	0.510	0.020533881	0.037400997
1.75	9.237	1.316	1.826	0.096509240	0.133910238
2.00	11.852	2.559	4.385	0.187665004	0.321575242
2.25	14.854	3.217	7.602	0.235919625	0.557494867
2.50	14.665	2.533	10.135	0.185758287	0.743253153
2.75	8.617	1.448	11.583	0.106189498	0.849442652
3.00	4.261	0.893	12.476	0.065488413	0.914931065
3.25	0.619	0.392	12.868	0.028747433	0.943678498
3.50	1.275	0.277	13.145	0.020313875	0.963992373
3.75	0.303	0.231	13.376	0.016940452	0.980932825
4.00	0.187	0.136	13.512	0.009973599	0.990906424
PAN	0.139	0.124	13.636	0.009093576	1.0

<b>TOTAL WT.</b>	96.304	grams
<b>DIGESTED WT.</b>	13.636	grams
<b>% SILICA</b>	14.159	

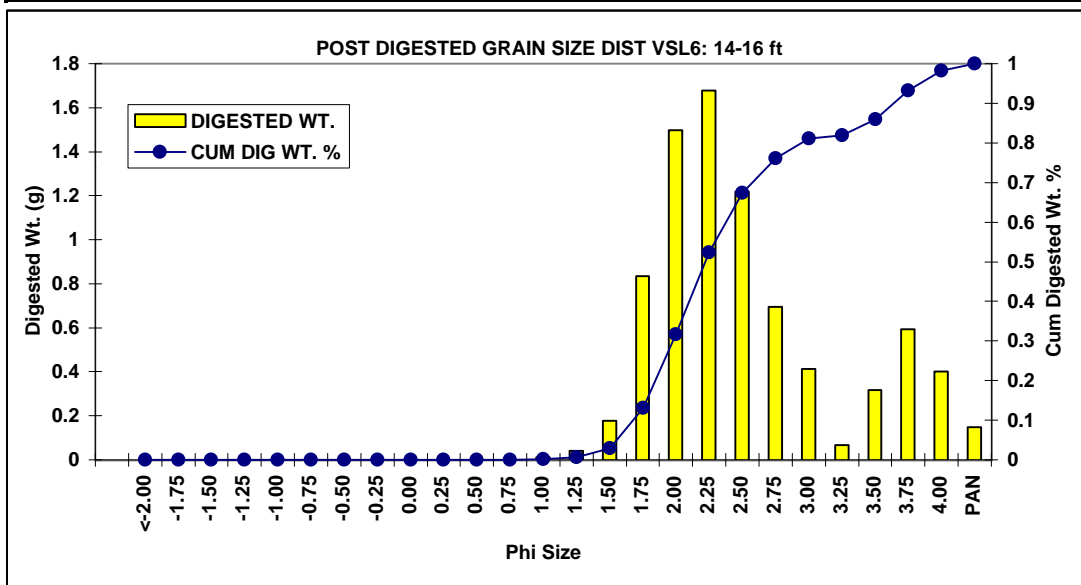


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL6 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.324	0.000	0.000	0.000000000	0.000000000
-1.75	0.062	0.000	0.000	0.000000000	0.000000000
-1.50	0.079	0.000	0.000	0.000000000	0.000000000
-1.25	0.211	0.000	0.000	0.000000000	0.000000000
-1.00	0.440	0.000	0.000	0.000000000	0.000000000
-0.75	0.571	0.000	0.000	0.000000000	0.000000000
-0.50	0.863	0.000	0.000	0.000000000	0.000000000
-0.25	1.134	0.000	0.000	0.000000000	0.000000000
0.00	1.344	0.000	0.000	0.000000000	0.000000000
0.25	2.073	0.000	0.000	0.000000000	0.000000000
0.50	2.392	0.001	0.001	0.000123579	0.000123579
0.75	3.138	0.001	0.002	0.000123579	0.000247158
1.00	4.304	0.011	0.013	0.001359367	0.001606525
1.25	4.840	0.041	0.054	0.005066733	0.006673258
1.50	4.529	0.177	0.231	0.021873455	0.028546713
1.75	7.263	0.834	1.065	0.103064755	0.131611468
2.00	7.810	1.498	2.563	0.185121107	0.316732575
2.25	8.288	1.677	4.240	0.207241720	0.523974296
2.50	7.325	1.217	5.457	0.150395452	0.674369748
2.75	4.107	0.695	6.152	0.085887296	0.760257044
3.00	1.911	0.414	6.566	0.051161641	0.811418685
3.25	0.090	0.066	6.632	0.008156204	0.819574889
3.50	1.154	0.317	6.949	0.039174493	0.858749382
3.75	0.687	0.594	7.543	0.073405833	0.932155215
4.00	0.488	0.402	7.945	0.049678695	0.981833910
PAN	0.216	0.147	8.092	0.018166090	1.0

TOTAL WT. 65.643 grams  
 DIGESTED WT. 8.092 grams  
 % SILICA 12.327



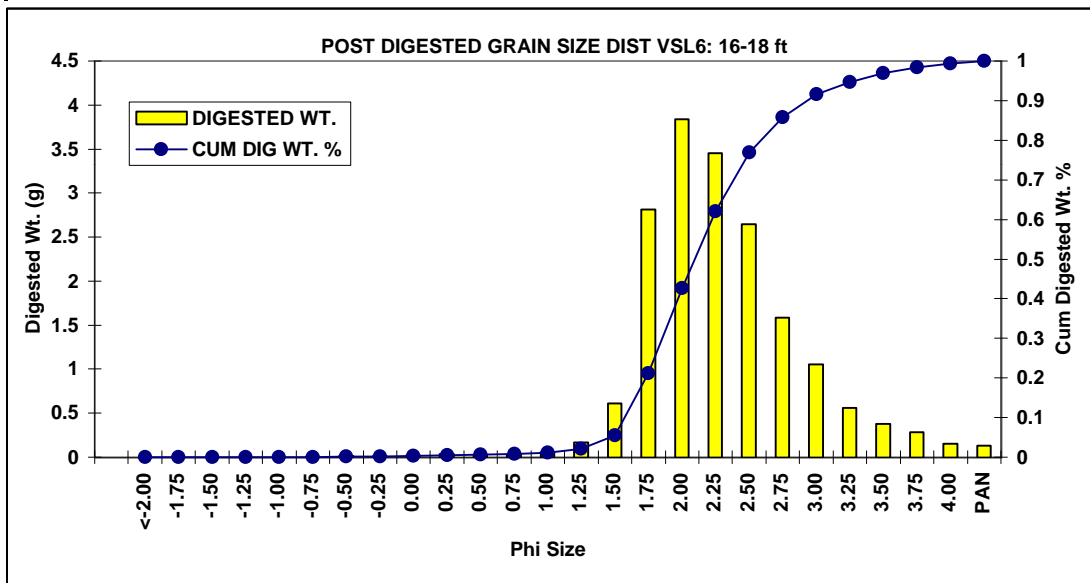


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL6 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.196	0.000	0.000	0.000000000	0.000000000
-1.50	0.318	0.000	0.000	0.000000000	0.000000000
-1.25	0.543	0.000	0.000	0.000000000	0.000000000
-1.00	0.673	0.003	0.003	0.000167776	0.000167776
-0.75	0.964	0.008	0.011	0.000447402	0.000615178
-0.50	1.361	0.015	0.026	0.000838879	0.001454057
-0.25	1.621	0.011	0.037	0.000615178	0.002069236
0.00	1.821	0.025	0.062	0.001398132	0.003467368
0.25	2.543	0.033	0.095	0.001845534	0.005312902
0.50	2.491	0.028	0.123	0.001565908	0.006878810
0.75	2.871	0.032	0.155	0.001789609	0.008668419
1.00	4.054	0.055	0.210	0.003075891	0.011744310
1.25	4.760	0.166	0.376	0.009283597	0.021027907
1.50	4.712	0.612	0.988	0.034226274	0.055254180
1.75	8.747	2.810	3.798	0.157150048	0.212404228
2.00	10.094	3.839	7.637	0.214697165	0.427101393
2.25	10.596	3.456	11.093	0.193277781	0.620379173
2.50	10.685	2.646	13.739	0.147978301	0.768357474
2.75	6.974	1.588	15.327	0.088809351	0.857166825
3.00	3.946	1.053	16.380	0.058889324	0.916056149
3.25	0.578	0.558	16.938	0.031206308	0.947262457
3.50	1.466	0.381	17.319	0.021307533	0.968569990
3.75	0.317	0.280	17.599	0.015659079	0.984229070
4.00	0.180	0.153	17.752	0.008556568	0.992785638
PAN	0.137	0.129	17.881	0.007214362	1.0

TOTAL WT. 82.648 grams  
 DIGESTED WT. 17.881 grams  
 % SILICA 21.635

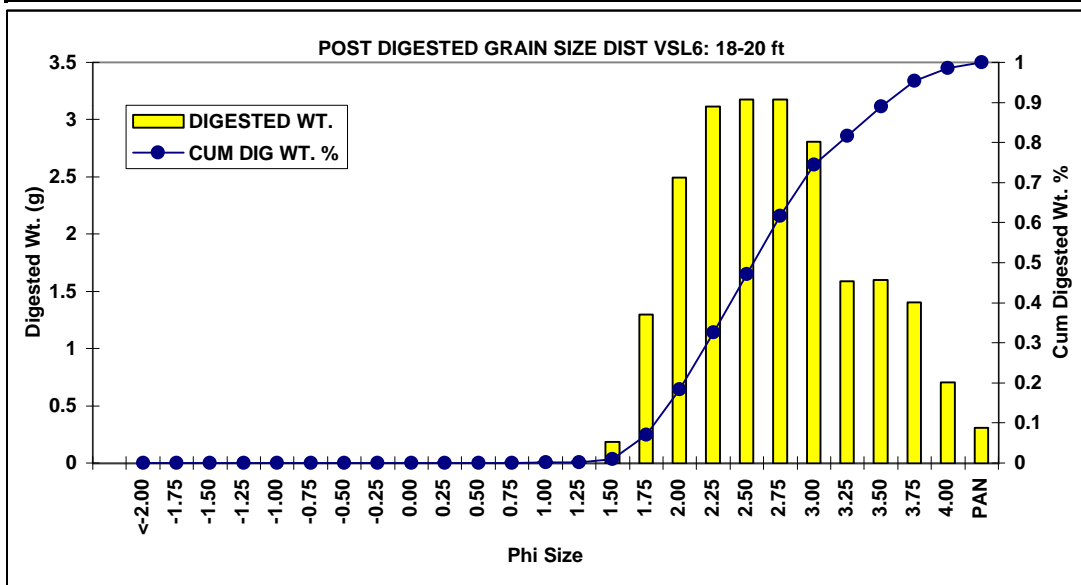


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL6 : 18-20 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.053	0.000	0.000	0.000000000	0.000000000
-1.75	0.011	0.000	0.000	0.000000000	0.000000000
-1.50	0.139	0.000	0.000	0.000000000	0.000000000
-1.25	0.079	0.000	0.000	0.000000000	0.000000000
-1.00	0.179	0.000	0.000	0.000000000	0.000000000
-0.75	0.319	0.002	0.002	0.000091378	0.000091378
-0.50	0.479	0.001	0.003	0.000045689	0.000137068
-0.25	0.555	0.001	0.004	0.000045689	0.000182757
0.00	0.664	0.001	0.005	0.000045689	0.000228446
0.25	0.902	0.003	0.008	0.000137068	0.000365514
0.50	1.039	0.001	0.009	0.000045689	0.000411203
0.75	1.323	0.004	0.013	0.000182757	0.000593960
1.00	2.035	0.009	0.022	0.000411203	0.001005163
1.25	2.557	0.014	0.036	0.000639649	0.001644812
1.50	2.675	0.186	0.222	0.008498195	0.010143007
1.75	6.149	1.299	1.521	0.059350299	0.069493307
2.00	9.266	2.492	4.013	0.113857541	0.183350848
2.25	13.927	3.116	7.129	0.142367615	0.325718463
2.50	18.371	3.176	10.305	0.145108969	0.470827432
2.75	15.000	3.177	13.482	0.145154658	0.615982090
3.00	9.761	2.806	16.288	0.128203957	0.744186047
3.25	3.030	1.588	17.876	0.072554484	0.816740531
3.50	3.392	1.597	19.473	0.072965687	0.889706218
3.75	1.417	1.405	20.878	0.064193357	0.953899575
4.00	0.800	0.704	21.582	0.032165212	0.986064787
PAN	1.169	0.305	21.887	0.013935213	1.0

TOTAL WT.	95.291	grams
DIGESTED WT.	21.887	grams
% SILICA	22.969	

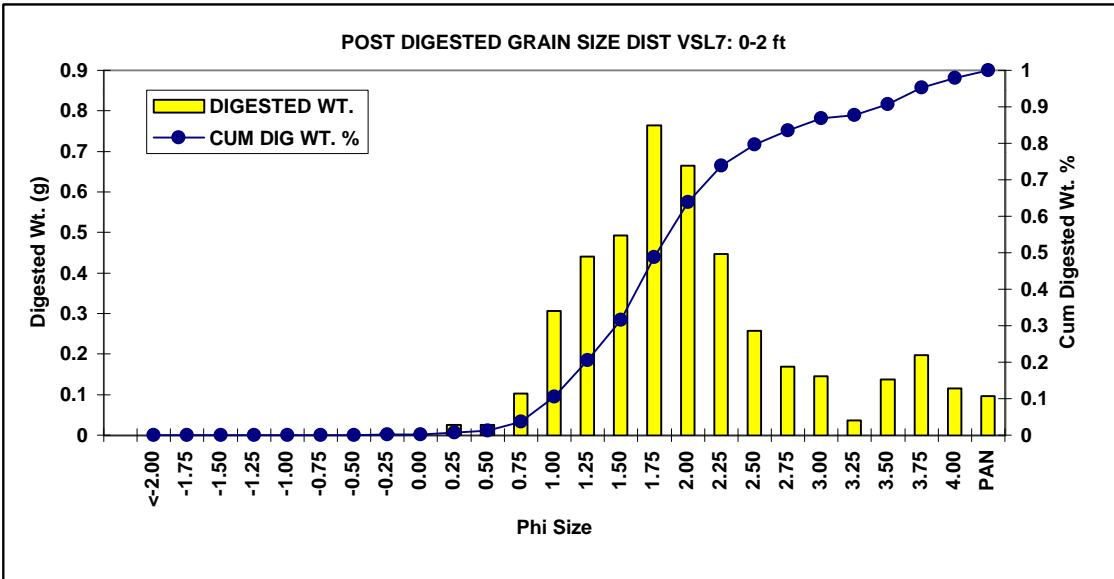


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL7 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	8.261	0.000	0.000	0.000000000	0.000000000
-1.75	1.605	0.000	0.000	0.000000000	0.000000000
-1.50	1.834	0.000	0.000	0.000000000	0.000000000
-1.25	2.283	0.000	0.000	0.000000000	0.000000000
-1.00	2.460	0.000	0.000	0.000000000	0.000000000
-0.75	2.750	0.000	0.000	0.000000000	0.000000000
-0.50	3.071	0.000	0.000	0.000000000	0.000000000
-0.25	3.332	0.005	0.005	0.001128413	0.001128413
0.00	3.298	0.001	0.006	0.000225683	0.001354096
0.25	3.952	0.026	0.032	0.005867750	0.007221846
0.50	3.471	0.026	0.058	0.005867750	0.013089596
0.75	3.701	0.103	0.161	0.023245317	0.036334913
1.00	4.442	0.306	0.467	0.069058903	0.105393816
1.25	4.401	0.440	0.907	0.099300384	0.204694200
1.50	3.184	0.493	1.400	0.111261566	0.315955766
1.75	3.925	0.764	2.164	0.172421575	0.488377341
2.00	2.753	0.664	2.828	0.149853306	0.638230648
2.25	1.974	0.447	3.275	0.100880162	0.739110810
2.50	1.420	0.258	3.533	0.058226134	0.797336944
2.75	0.864	0.169	3.702	0.038140375	0.835477319
3.00	0.534	0.146	3.848	0.032949673	0.868426992
3.25	0.041	0.036	3.884	0.008124577	0.876551568
3.50	0.384	0.138	4.022	0.031144211	0.907695780
3.75	0.204	0.197	4.219	0.044459490	0.952155270
4.00	0.128	0.116	4.335	0.026179192	0.978334462
PAN	0.144	0.096	4.431	0.021665538	1.0

TOTAL WT. 64.416 grams  
 DIGESTED WT. 4.431 grams  
 % SILICA 6.879

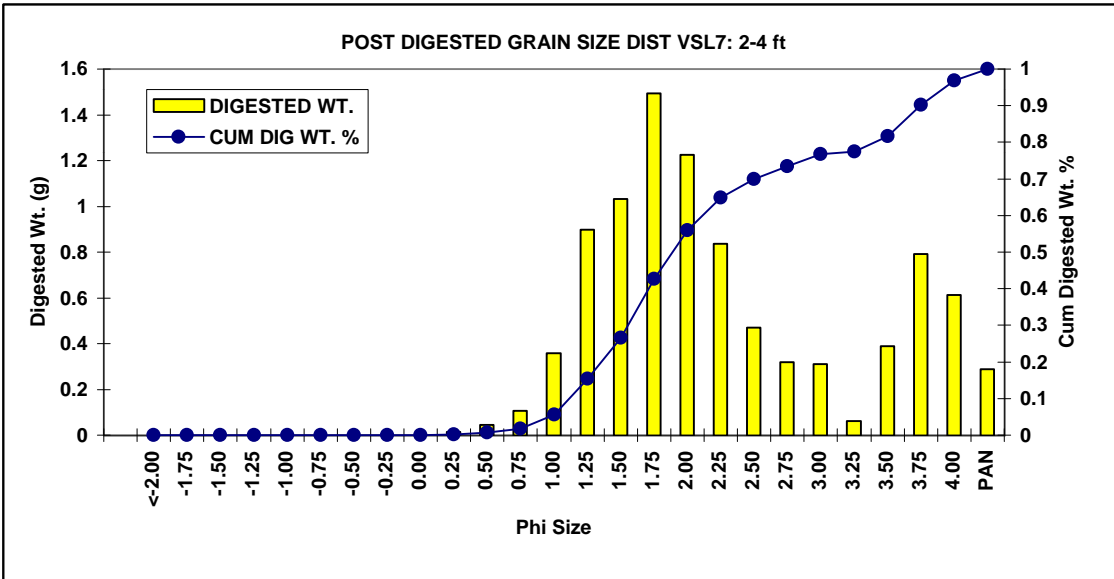


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL7 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	3.225	0.000	0.000	0.000000000	0.000000000
-1.75	0.806	0.000	0.000	0.000000000	0.000000000
-1.50	0.973	0.000	0.000	0.000000000	0.000000000
-1.25	1.436	0.000	0.000	0.000000000	0.000000000
-1.00	1.858	0.000	0.000	0.000000000	0.000000000
-0.75	2.304	0.000	0.000	0.000000000	0.000000000
-0.50	2.838	0.000	0.000	0.000000000	0.000000000
-0.25	3.686	0.000	0.000	0.000000000	0.000000000
0.00	4.008	0.000	0.000	0.000000000	0.000000000
0.25	5.952	0.014	0.014	0.001512859	0.001512859
0.50	5.677	0.046	0.060	0.004970823	0.006483683
0.75	6.008	0.107	0.167	0.011562568	0.018046250
1.00	7.256	0.358	0.525	0.038685974	0.056732224
1.25	7.962	0.899	1.424	0.097147180	0.153879404
1.50	6.292	1.031	2.455	0.111411282	0.265290685
1.75	7.890	1.493	3.948	0.161335639	0.426626324
2.00	5.883	1.224	5.172	0.132267128	0.558893451
2.25	4.373	0.836	6.008	0.090339313	0.649232764
2.50	3.146	0.471	6.479	0.050896909	0.700129674
2.75	1.902	0.320	6.799	0.034579641	0.734709315
3.00	1.304	0.311	7.110	0.033607089	0.768316404
3.25	0.080	0.061	7.171	0.006591744	0.774908148
3.50	1.227	0.390	7.561	0.042143938	0.817052086
3.75	0.900	0.791	8.352	0.085476551	0.902528636
4.00	0.749	0.613	8.965	0.066241625	0.968770262
PAN	0.351	0.289	9.254	0.031229738	1.0

TOTAL WT. 88.086 grams  
 DIGESTED WT. 9.254 grams  
 % SILICA 10.506

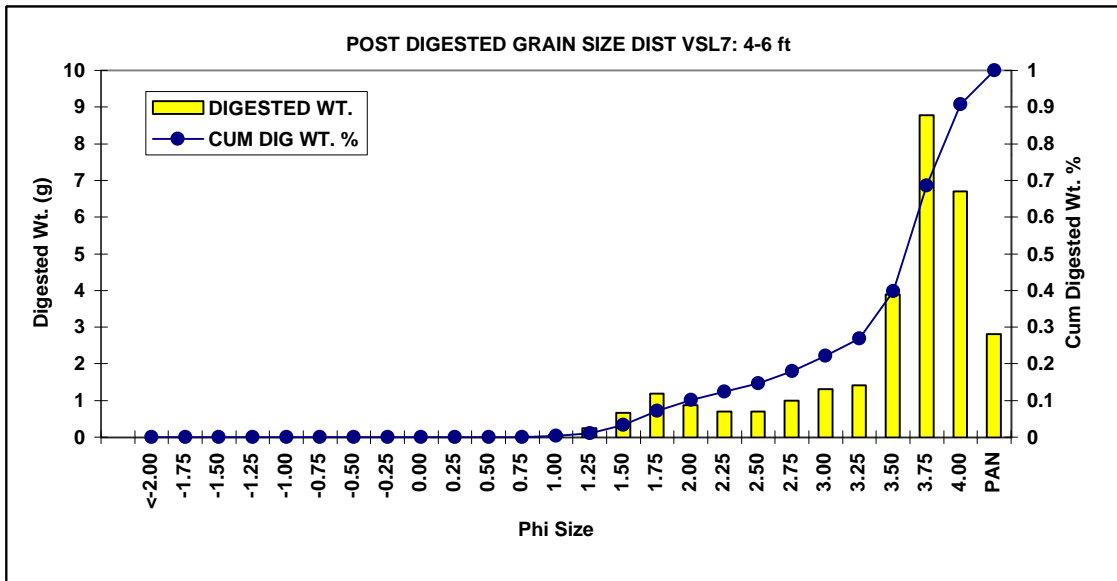


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL7 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.033	0.000	0.000	0.000000000	0.000000000
-1.75	0.023	0.000	0.000	0.000000000	0.000000000
-1.50	0.110	0.000	0.000	0.000000000	0.000000000
-1.25	0.211	0.000	0.000	0.000000000	0.000000000
-1.00	0.328	0.000	0.000	0.000000000	0.000000000
-0.75	0.465	0.000	0.000	0.000000000	0.000000000
-0.50	0.664	0.000	0.000	0.000000000	0.000000000
-0.25	0.838	0.000	0.000	0.000000000	0.000000000
0.00	0.784	0.000	0.000	0.000000000	0.000000000
0.25	1.149	0.005	0.005	0.000164718	0.000164718
0.50	1.266	0.004	0.009	0.000131774	0.000296492
0.75	1.536	0.013	0.022	0.000428266	0.000724757
1.00	2.368	0.070	0.092	0.002306045	0.003030802
1.25	3.167	0.236	0.328	0.007774666	0.010805469
1.50	3.495	0.659	0.987	0.021709768	0.032515236
1.75	5.548	1.193	2.180	0.039301598	0.071816834
2.00	5.302	0.873	3.053	0.028759677	0.100576511
2.25	5.571	0.702	3.755	0.023126338	0.123702850
2.50	6.377	0.692	4.447	0.022796903	0.146499753
2.75	6.127	0.987	5.434	0.032515236	0.179014989
3.00	5.969	1.307	6.741	0.043057157	0.222072146
3.25	3.871	1.421	8.162	0.046812716	0.268884862
3.50	8.349	3.895	12.057	0.128314940	0.397199802
3.75	9.377	8.779	20.836	0.289211003	0.686410805
4.00	7.988	6.705	27.541	0.220886180	0.907296986
PAN	3.218	2.814	30.355	0.092703014	1.0

**TOTAL WT.** 84.134 grams  
**DIGESTED WT.** 30.355 grams  
**% SILICA** 36.079

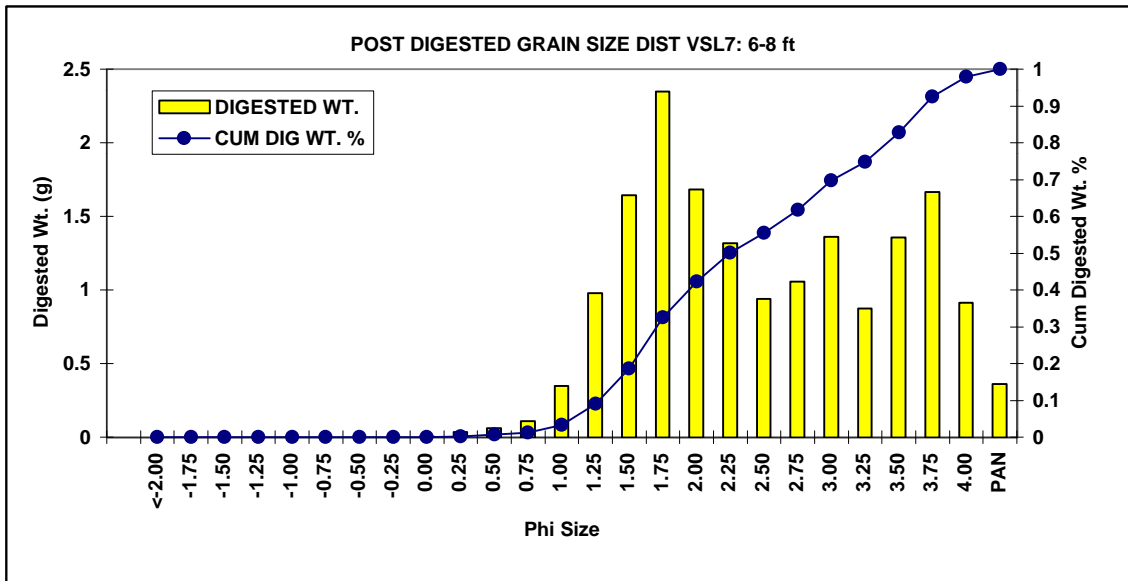


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL7 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	3.057	0.000	0.000	0.000000000	0.000000000
-1.75	0.305	0.000	0.000	0.000000000	0.000000000
-1.50	0.533	0.000	0.000	0.000000000	0.000000000
-1.25	0.716	0.000	0.000	0.000000000	0.000000000
-1.00	0.974	0.000	0.000	0.000000000	0.000000000
-0.75	1.374	0.000	0.000	0.000000000	0.000000000
-0.50	1.840	0.000	0.000	0.000000000	0.000000000
-0.25	2.482	0.001	0.001	0.000058634	0.000058634
0.00	2.371	0.005	0.006	0.000293169	0.000351803
0.25	3.164	0.036	0.042	0.002110818	0.002462621
0.50	2.993	0.063	0.105	0.003693931	0.006156552
0.75	3.349	0.108	0.213	0.006332454	0.012489006
1.00	4.550	0.346	0.559	0.020287306	0.032776312
1.25	5.913	0.980	1.539	0.057461155	0.090237467
1.50	5.702	1.644	3.183	0.096394019	0.186631486
1.75	8.259	2.349	5.532	0.137730871	0.324362357
2.00	7.139	1.682	7.214	0.098622105	0.422984462
2.25	6.989	1.316	8.530	0.077162123	0.500146585
2.50	7.231	0.940	9.470	0.055115802	0.555262386
2.75	6.270	1.056	10.526	0.061917326	0.617179713
3.00	5.622	1.359	11.885	0.079683377	0.696863090
3.25	1.877	0.876	12.761	0.051363237	0.748226327
3.50	3.170	1.358	14.119	0.079624743	0.827851070
3.75	1.819	1.665	15.784	0.097625330	0.925476400
4.00	1.069	0.912	16.696	0.053474055	0.978950454
PAN	0.461	0.359	17.055	0.021049546	1.0

TOTAL WT. 89.229 grams  
 DIGESTED WT. 17.055 grams  
 % SILICA 19.114

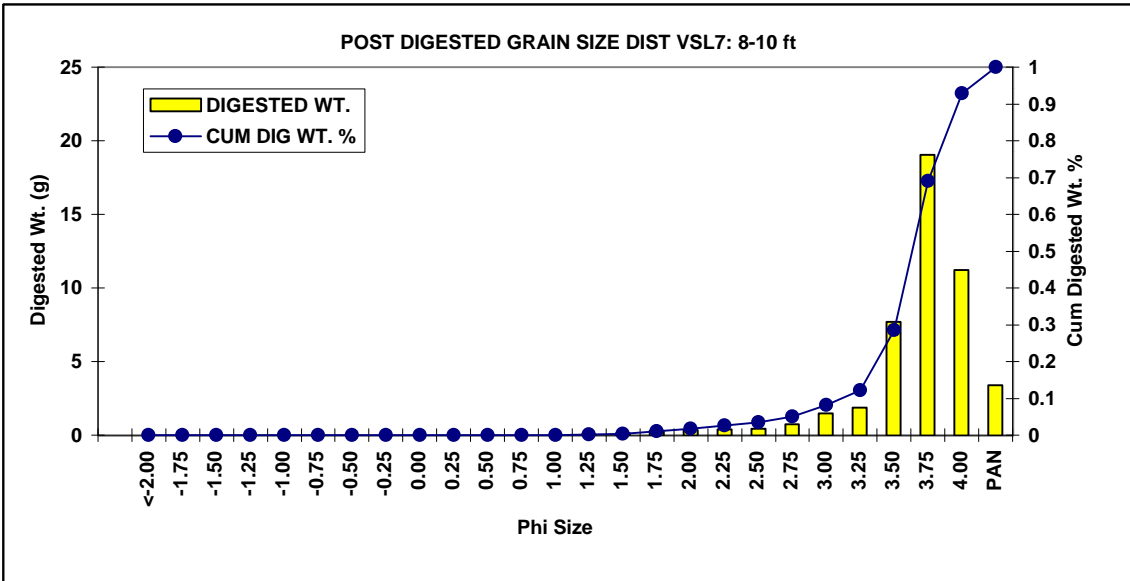


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL7 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.053	0.000	0.000	0.000000000	0.000000000
-1.75	0.019	0.000	0.000	0.000000000	0.000000000
-1.50	0.031	0.000	0.000	0.000000000	0.000000000
-1.25	0.079	0.000	0.000	0.000000000	0.000000000
-1.00	0.163	0.000	0.000	0.000000000	0.000000000
-0.75	0.133	0.000	0.000	0.000000000	0.000000000
-0.50	0.193	0.001	0.001	0.000021237	0.000021237
-0.25	0.272	0.000	0.001	0.000000000	0.000021237
0.00	0.279	0.001	0.002	0.000021237	0.000042475
0.25	0.404	0.001	0.003	0.000021237	0.000063712
0.50	0.472	0.001	0.004	0.000021237	0.000084949
0.75	0.545	0.009	0.013	0.000191136	0.000276085
1.00	0.798	0.014	0.027	0.000297322	0.000573407
1.25	0.994	0.041	0.068	0.000870729	0.001444135
1.50	0.950	0.122	0.190	0.002590949	0.004035084
1.75	1.790	0.296	0.486	0.006286236	0.010321320
2.00	2.129	0.354	0.840	0.007517999	0.017839319
2.25	2.917	0.405	1.245	0.008601100	0.026440419
2.50	4.113	0.425	1.670	0.009025846	0.035466265
2.75	4.957	0.722	2.392	0.015333319	0.050799584
3.00	6.512	1.484	3.876	0.031516130	0.082315713
3.25	4.925	1.854	5.730	0.039373925	0.121689638
3.50	15.296	7.717	13.447	0.163888122	0.285577760
3.75	19.584	19.056	32.503	0.404697687	0.690275448
4.00	13.187	11.208	43.711	0.238027481	0.928302929
PAN	4.713	3.376	47.087	0.071697071	1.0

TOTAL WT.	85.508	grams
DIGESTED WT.	47.087	grams
% SILICA	55.067	

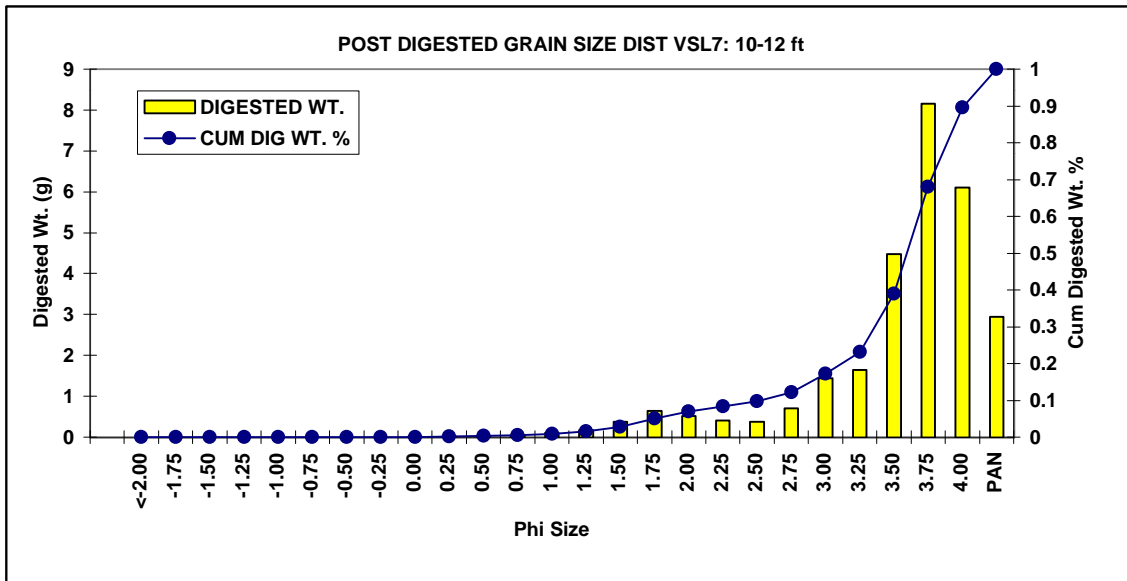


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL7 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.452	0.000	0.000	0.000000000	0.000000000
-1.75	0.038	0.000	0.000	0.000000000	0.000000000
-1.50	0.233	0.000	0.000	0.000000000	0.000000000
-1.25	0.219	0.000	0.000	0.000000000	0.000000000
-1.00	0.309	0.000	0.000	0.000000000	0.000000000
-0.75	0.466	0.000	0.000	0.000000000	0.000000000
-0.50	0.576	0.002	0.002	0.000070882	0.000070882
-0.25	0.644	0.002	0.004	0.000070882	0.000141764
0.00	0.658	0.013	0.017	0.000460731	0.000602495
0.25	0.904	0.022	0.039	0.000779699	0.001382194
0.50	0.964	0.036	0.075	0.001275872	0.002658066
0.75	1.113	0.054	0.129	0.001913808	0.004571874
1.00	1.504	0.113	0.242	0.004004820	0.008576694
1.25	1.760	0.179	0.421	0.006343918	0.014920612
1.50	1.732	0.383	0.804	0.013573859	0.028494471
1.75	2.677	0.641	1.445	0.022717607	0.051212078
2.00	2.519	0.517	1.962	0.018322937	0.069535016
2.25	2.810	0.406	2.368	0.014388999	0.083924015
2.50	3.641	0.372	2.740	0.013184009	0.097108024
2.75	4.486	0.697	3.437	0.024702297	0.121810320
3.00	6.083	1.445	4.882	0.051212078	0.173022399
3.25	4.247	1.646	6.528	0.058335696	0.231358095
3.50	8.664	4.482	11.010	0.158846045	0.390204139
3.75	8.776	8.159	19.169	0.289162177	0.679366317
4.00	7.426	6.100	25.269	0.216189396	0.895555713
PAN	3.935	2.947	28.216	0.104444287	1.0

**TOTAL WT.** 66.836 grams  
**DIGESTED WT.** 28.216 grams  
**% SILICA** 42.217



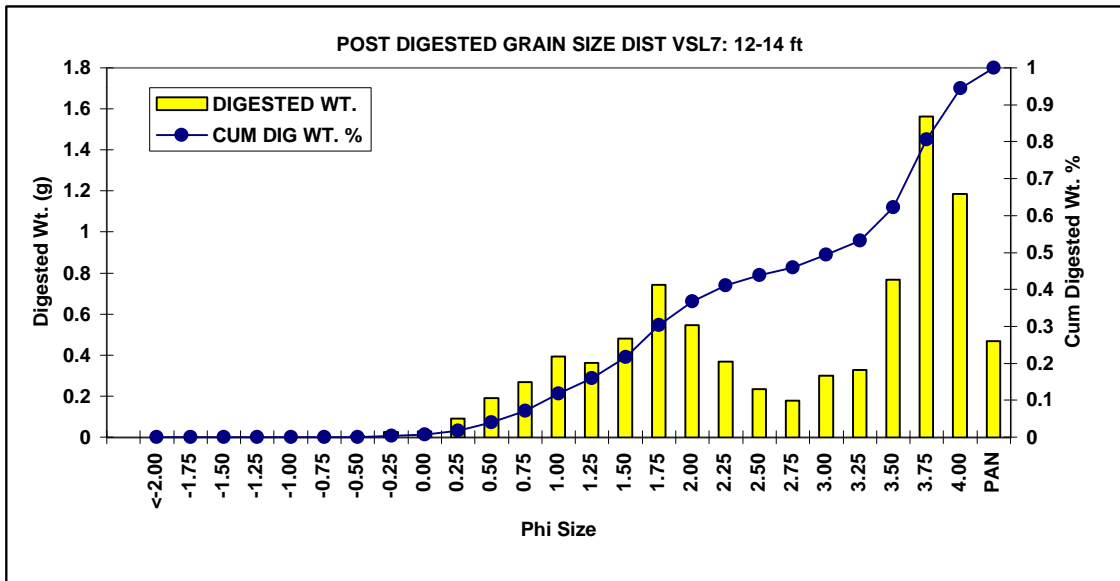


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL7 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	18.607	0.000	0.000	0.000000000	0.000000000
-1.75	3.117	0.000	0.000	0.000000000	0.000000000
-1.50	2.749	0.000	0.000	0.000000000	0.000000000
-1.25	3.449	0.000	0.000	0.000000000	0.000000000
-1.00	4.188	0.000	0.000	0.000000000	0.000000000
-0.75	4.199	0.000	0.000	0.000000000	0.000000000
-0.50	4.619	0.006	0.006	0.000703977	0.000703977
-0.25	4.852	0.024	0.030	0.002815910	0.003519887
0.00	4.657	0.028	0.058	0.003285228	0.006805116
0.25	5.328	0.092	0.150	0.010794321	0.017599437
0.50	4.670	0.189	0.339	0.022175290	0.039774727
0.75	4.178	0.268	0.607	0.031444327	0.071219054
1.00	3.985	0.393	1.000	0.046110524	0.117329579
1.25	3.384	0.362	1.362	0.042473308	0.159802886
1.50	2.339	0.480	1.842	0.056318198	0.216121084
1.75	2.699	0.744	2.586	0.087293207	0.303414291
2.00	1.964	0.546	3.132	0.064061950	0.367476241
2.25	1.573	0.368	3.500	0.043177285	0.410653526
2.50	1.313	0.233	3.733	0.027337792	0.437991318
2.75	1.006	0.179	3.912	0.021001995	0.458993312
3.00	1.059	0.298	4.210	0.034964214	0.493957527
3.25	0.760	0.327	4.537	0.038366772	0.532324299
3.50	1.387	0.768	5.305	0.090109117	0.622433415
3.75	1.734	1.563	6.868	0.183386132	0.805819547
4.00	1.442	1.186	8.054	0.139152880	0.944972428
PAN	0.643	0.469	8.523	0.055027572	1.0

TOTAL WT. 89.901 grams  
 DIGESTED WT. 8.523 grams  
 % SILICA 9.480

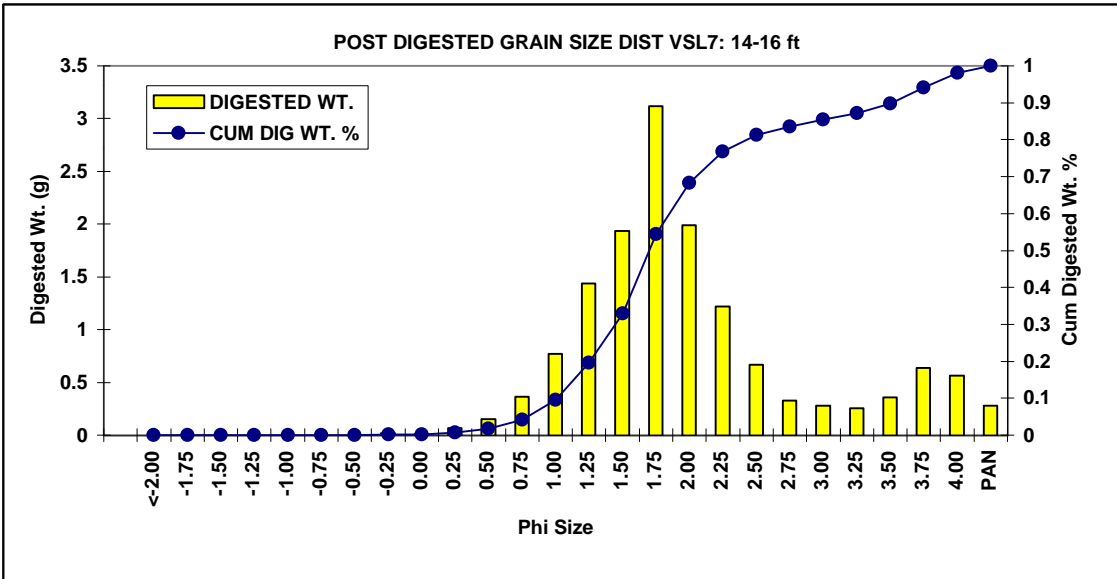


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL7 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	7.050	0.000	0.000	0.000000000	0.000000000
-1.75	1.479	0.000	0.000	0.000000000	0.000000000
-1.50	2.155	0.000	0.000	0.000000000	0.000000000
-1.25	2.113	0.000	0.000	0.000000000	0.000000000
-1.00	3.077	0.000	0.000	0.000000000	0.000000000
-0.75	3.258	0.000	0.000	0.000000000	0.000000000
-0.50	4.041	0.001	0.001	0.000069180	0.000069180
-0.25	4.359	0.016	0.017	0.001106883	0.001176064
0.00	4.517	0.011	0.028	0.000760982	0.001937046
0.25	5.677	0.069	0.097	0.004773435	0.006710481
0.50	5.793	0.150	0.247	0.010377032	0.017087513
0.75	6.327	0.366	0.613	0.025319958	0.042407471
1.00	7.937	0.773	1.386	0.053476306	0.095883777
1.25	8.811	1.438	2.824	0.099481148	0.195364926
1.50	7.506	1.934	4.758	0.133794535	0.329159460
1.75	10.681	3.119	7.877	0.215773089	0.544932549
2.00	8.009	1.992	9.869	0.137806987	0.682739536
2.25	5.868	1.220	11.089	0.084399862	0.767139398
2.50	4.215	0.668	11.757	0.046212383	0.813351781
2.75	2.341	0.325	12.082	0.022483570	0.835835351
3.00	1.292	0.278	12.360	0.019232100	0.855067451
3.25	0.521	0.253	12.613	0.017502594	0.872570045
3.50	0.626	0.357	12.970	0.024697337	0.897267382
3.75	0.655	0.636	13.606	0.043998616	0.941265998
4.00	0.657	0.567	14.173	0.039225182	0.980491180
PAN	0.325	0.282	14.455	0.019508820	1.0

**TOTAL WT.** 109.290 grams  
**DIGESTED WT.** 14.455 grams  
**% SILICA** 13.226

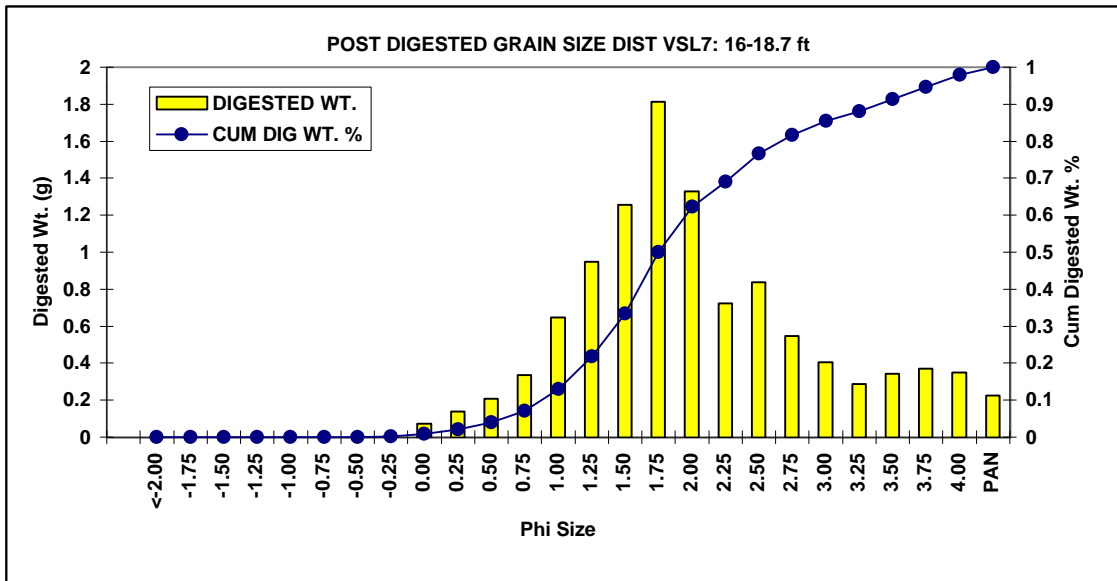


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL7 : 16-18.7 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	11.349	0.000	0.000	0.000000000	0.000000000
-1.75	2.749	0.000	0.000	0.000000000	0.000000000
-1.50	2.680	0.000	0.000	0.000000000	0.000000000
-1.25	3.089	0.000	0.000	0.000000000	0.000000000
-1.00	3.861	0.000	0.000	0.000000000	0.000000000
-0.75	4.270	0.002	0.002	0.000184264	0.000184264
-0.50	5.298	0.005	0.007	0.000460660	0.000644924
-0.25	5.651	0.006	0.013	0.000552792	0.001197715
0.00	5.446	0.073	0.086	0.006725631	0.007923346
0.25	6.068	0.139	0.225	0.012806339	0.020729685
0.50	5.046	0.208	0.433	0.019163442	0.039893127
0.75	5.018	0.335	0.768	0.030864198	0.070757324
1.00	5.842	0.647	1.415	0.059609361	0.130366685
1.25	6.260	0.948	2.363	0.087341072	0.217707758
1.50	4.909	1.257	3.620	0.115809840	0.333517597
1.75	6.503	1.814	5.434	0.167127326	0.500644924
2.00	4.784	1.330	6.764	0.122535471	0.623180394
2.25	2.343	0.724	7.488	0.066703519	0.689883914
2.50	3.844	0.837	8.325	0.077114428	0.766998342
2.75	3.023	0.546	8.871	0.050304035	0.817302377
3.00	1.923	0.406	9.277	0.037405565	0.854707942
3.25	0.728	0.288	9.565	0.026533997	0.881241938
3.50	0.663	0.344	9.909	0.031693385	0.912935323
3.75	0.410	0.369	10.278	0.033996683	0.946932007
4.00	0.427	0.351	10.629	0.032338308	0.979270315
PAN	0.277	0.225	10.854	0.020729685	1.0

**TOTAL WT.** 102.461 grams  
**DIGESTED WT.** 10.854 grams  
**% SILICA** 10.593

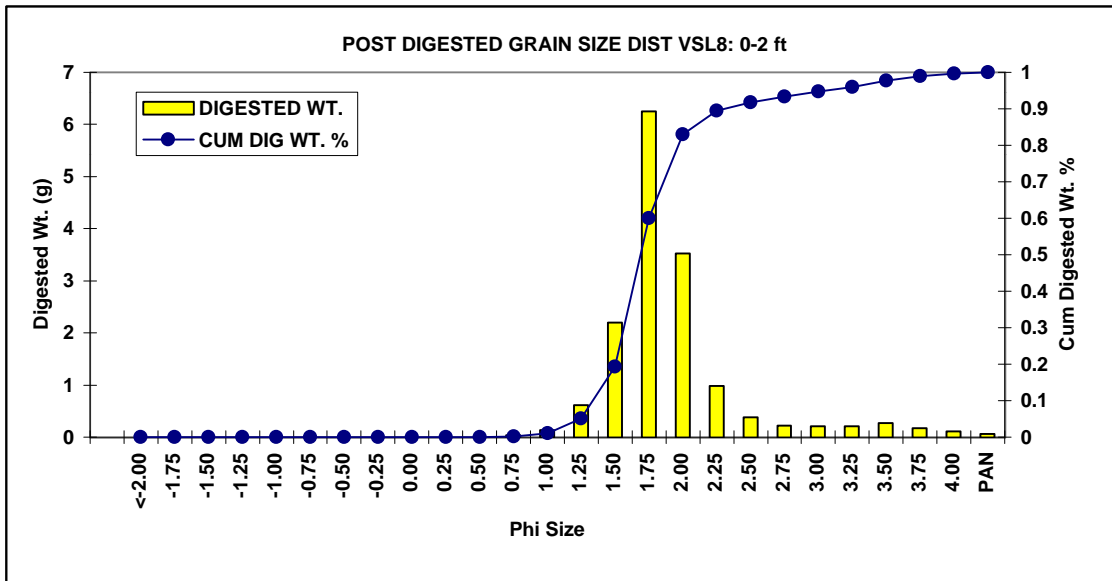


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL8 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.265	0.000	0.000	0.000000000	0.000000000
-1.75	0.058	0.000	0.000	0.000000000	0.000000000
-1.50	0.104	0.000	0.000	0.000000000	0.000000000
-1.25	0.101	0.000	0.000	0.000000000	0.000000000
-1.00	0.193	0.000	0.000	0.000000000	0.000000000
-0.75	0.139	0.000	0.000	0.000000000	0.000000000
-0.50	0.295	0.000	0.000	0.000000000	0.000000000
-0.25	0.542	0.000	0.000	0.000000000	0.000000000
0.00	0.737	0.003	0.003	0.000195160	0.000195160
0.25	1.479	0.000	0.003	0.000000000	0.000195160
0.50	2.295	0.000	0.003	0.000000000	0.000195160
0.75	3.980	0.033	0.036	0.002146760	0.002341920
1.00	7.681	0.129	0.165	0.008391881	0.010733802
1.25	12.320	0.612	0.777	0.039812646	0.050546448
1.50	13.949	2.197	2.974	0.142922196	0.193468644
1.75	21.681	6.256	9.230	0.406973718	0.600442363
2.00	12.081	3.528	12.758	0.229508197	0.829950559
2.25	4.426	0.983	13.741	0.063947437	0.893897996
2.50	1.771	0.376	14.117	0.024460057	0.918358054
2.75	0.938	0.227	14.344	0.014767109	0.933125163
3.00	0.629	0.214	14.558	0.013921416	0.947046578
3.25	0.319	0.203	14.761	0.013205829	0.960252407
3.50	0.358	0.266	15.027	0.017304189	0.977556596
3.75	0.195	0.175	15.202	0.011384335	0.988940932
4.00	0.114	0.111	15.313	0.007220921	0.996161853
PAN	0.069	0.059	15.372	0.003838147	1.0

<b>TOTAL WT.</b>	86.719	grams
<b>DIGESTED WT.</b>	15.372	grams
<b>% SILICA</b>	17.726	

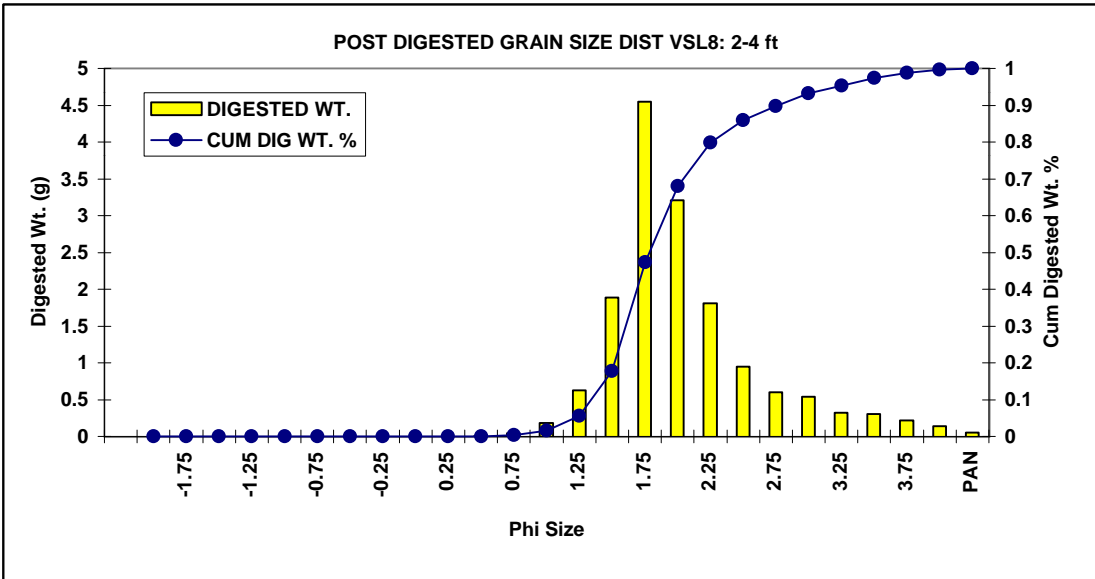


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL8 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.172	0.000	0.000	0.000000000	0.000000000
-1.75	0.096	0.000	0.000	0.000000000	0.000000000
-1.50	0.098	0.000	0.000	0.000000000	0.000000000
-1.25	0.248	0.000	0.000	0.000000000	0.000000000
-1.00	0.405	0.000	0.000	0.000000000	0.000000000
-0.75	0.471	0.000	0.000	0.000000000	0.000000000
-0.50	0.653	0.000	0.000	0.000000000	0.000000000
-0.25	0.878	0.000	0.000	0.000000000	0.000000000
0.00	1.257	0.000	0.000	0.000000000	0.000000000
0.25	2.322	0.000	0.000	0.000000000	0.000000000
0.50	3.385	0.005	0.005	0.000324044	0.000324044
0.75	5.516	0.044	0.049	0.002851588	0.003175632
1.00	9.455	0.180	0.229	0.011665587	0.014841218
1.25	13.591	0.627	0.856	0.040635126	0.055476345
1.50	14.128	1.887	2.743	0.122294232	0.177770577
1.75	19.693	4.546	7.289	0.294620868	0.472391445
2.00	13.337	3.208	10.497	0.207906675	0.680298121
2.25	8.500	1.812	12.309	0.117433571	0.797731692
2.50	5.467	0.949	13.258	0.061503564	0.859235256
2.75	3.085	0.600	13.858	0.038885288	0.898120544
3.00	1.859	0.536	14.394	0.034737524	0.932858069
3.25	0.729	0.324	14.718	0.020998056	0.953856124
3.50	0.496	0.302	15.020	0.019572262	0.973428386
3.75	0.232	0.220	15.240	0.014257939	0.987686325
4.00	0.145	0.136	15.376	0.008813999	0.996500324
PAN	0.077	0.054	15.430	0.003499676	1.0

TOTAL WT. 106.295 grams  
 DIGESTED WT. 15.430 grams  
 % SILICA 14.516

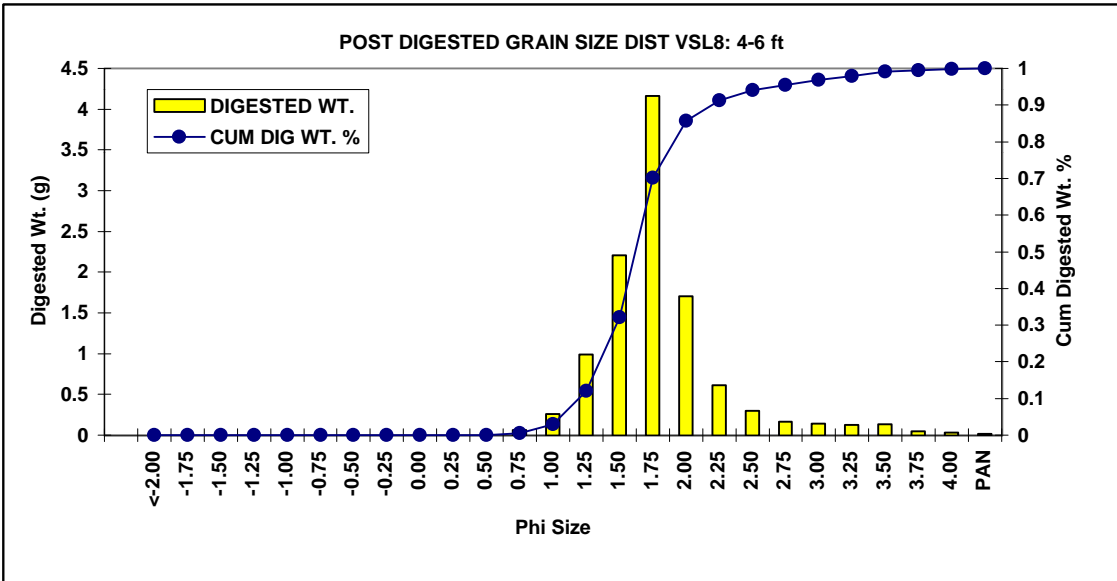


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL8 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.204	0.000	0.000	0.000000000	0.000000000
-1.75	0.027	0.000	0.000	0.000000000	0.000000000
-1.50	0.031	0.000	0.000	0.000000000	0.000000000
-1.25	0.055	0.000	0.000	0.000000000	0.000000000
-1.00	0.141	0.000	0.000	0.000000000	0.000000000
-0.75	0.116	0.000	0.000	0.000000000	0.000000000
-0.50	0.306	0.000	0.000	0.000000000	0.000000000
-0.25	0.673	0.000	0.000	0.000000000	0.000000000
0.00	1.215	0.001	0.001	0.000091349	0.000091349
0.25	2.763	0.000	0.001	0.000000000	0.000091349
0.50	4.413	0.000	0.001	0.000000000	0.000091349
0.75	7.246	0.064	0.065	0.005846351	0.005937700
1.00	12.000	0.258	0.323	0.023568101	0.029505801
1.25	15.713	0.987	1.310	0.090161688	0.119667489
1.50	13.358	2.207	3.517	0.201607746	0.321275235
1.75	14.683	4.162	7.679	0.380195487	0.701470723
2.00	6.264	1.704	9.383	0.155659085	0.857129807
2.25	2.480	0.611	9.994	0.055814378	0.912944186
2.50	1.316	0.296	10.290	0.027039372	0.939983557
2.75	0.656	0.161	10.451	0.014707226	0.954690783
3.00	0.365	0.143	10.594	0.013062940	0.967753722
3.25	0.148	0.122	10.716	0.011144606	0.978898328
3.50	0.137	0.132	10.848	0.012058098	0.990956426
3.75	0.064	0.050	10.898	0.004567461	0.995523888
4.00	0.041	0.035	10.933	0.003197223	0.998721111
PAN	0.026	0.014	10.947	0.001278889	1.0

<b>TOTAL WT.</b>	84.441	grams
<b>DIGESTED WT.</b>	10.947	grams
<b>% SILICA</b>	12.964	

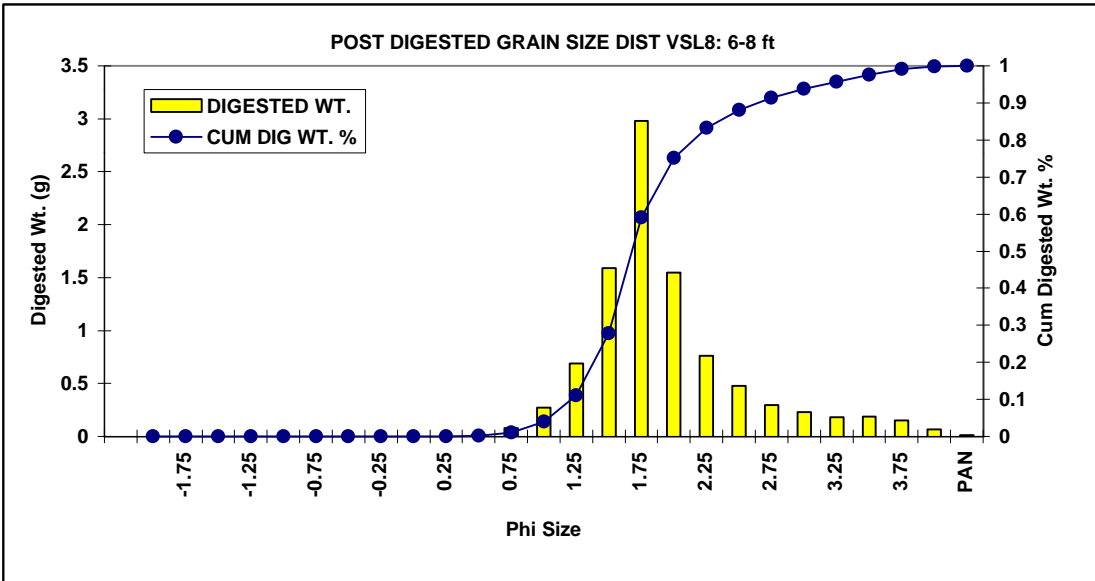


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL8 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.424	0.000	0.000	0.000000000	0.000000000
-1.75	0.174	0.000	0.000	0.000000000	0.000000000
-1.50	0.251	0.000	0.000	0.000000000	0.000000000
-1.25	0.218	0.000	0.000	0.000000000	0.000000000
-1.00	0.330	0.000	0.000	0.000000000	0.000000000
-0.75	0.421	0.000	0.000	0.000000000	0.000000000
-0.50	0.756	0.000	0.000	0.000000000	0.000000000
-0.25	1.471	0.000	0.000	0.000000000	0.000000000
0.00	2.411	0.000	0.000	0.000000000	0.000000000
0.25	5.121	0.002	0.002	0.000209534	0.000209534
0.50	7.877	0.020	0.022	0.002095338	0.002304872
0.75	10.661	0.081	0.103	0.008486118	0.010790990
1.00	14.432	0.270	0.373	0.028287061	0.039078051
1.25	15.847	0.689	1.062	0.072184390	0.111262441
1.50	12.741	1.587	2.649	0.166265060	0.277527501
1.75	12.371	2.982	5.631	0.312414877	0.589942378
2.00	5.906	1.548	7.179	0.162179151	0.752121530
2.25	3.266	0.759	7.938	0.079518072	0.831639602
2.50	2.475	0.476	8.414	0.049869041	0.881508643
2.75	1.544	0.299	8.713	0.031325301	0.912833944
3.00	0.880	0.232	8.945	0.024305919	0.937139864
3.25	0.361	0.183	9.128	0.019172342	0.956312205
3.50	0.290	0.187	9.315	0.019591409	0.975903614
3.75	0.158	0.150	9.465	0.015715034	0.991618649
4.00	0.087	0.066	9.531	0.006914615	0.998533263
PAN	0.020	0.014	9.545	0.001466737	1.0

**TOTAL WT.** 100.493 grams  
**DIGESTED WT.** 9.545 grams  
**% SILICA** 9.498

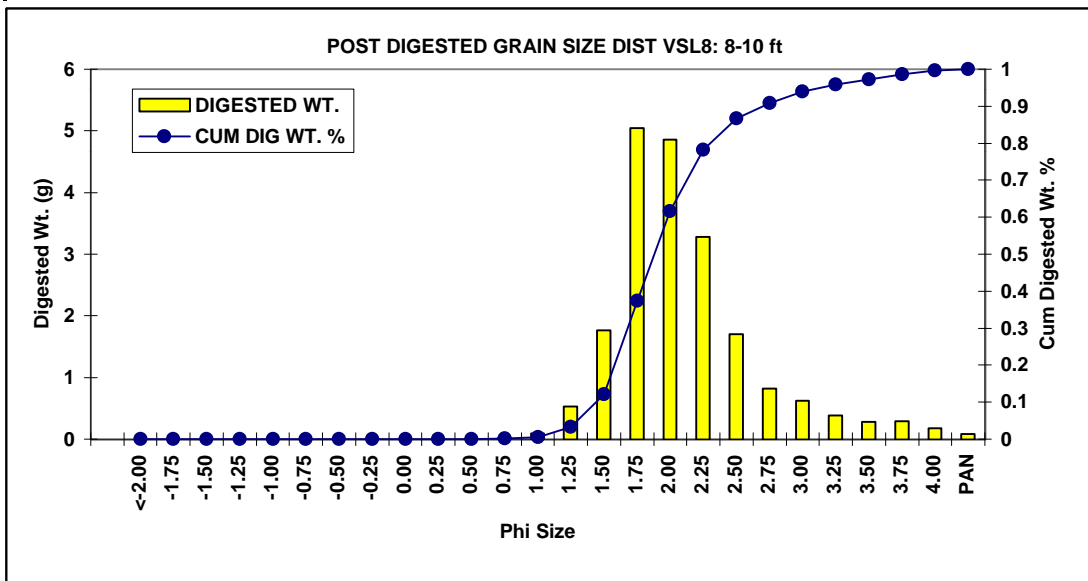


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL8 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.165	0.000	0.000	0.000000000	0.000000000
-1.75	0.352	0.000	0.000	0.000000000	0.000000000
-1.50	0.454	0.000	0.000	0.000000000	0.000000000
-1.25	0.690	0.000	0.000	0.000000000	0.000000000
-1.00	1.089	0.000	0.000	0.000000000	0.000000000
-0.75	1.508	0.000	0.000	0.000000000	0.000000000
-0.50	1.963	0.000	0.000	0.000000000	0.000000000
-0.25	2.818	0.000	0.000	0.000000000	0.000000000
0.00	3.017	0.000	0.000	0.000000000	0.000000000
0.25	4.285	0.000	0.000	0.000000000	0.000000000
0.50	4.320	0.004	0.004	0.000200491	0.000200491
0.75	4.711	0.019	0.023	0.000952333	0.001152824
1.00	5.807	0.097	0.120	0.004861912	0.006014736
1.25	6.381	0.526	0.646	0.026364593	0.032379329
1.50	6.750	1.761	2.407	0.088266252	0.120645582
1.75	11.235	5.045	7.452	0.252869530	0.373515112
2.00	10.419	4.853	12.305	0.243245953	0.616761065
2.25	8.485	3.283	15.588	0.164553155	0.781314220
2.50	6.678	1.701	17.289	0.085258884	0.866573104
2.75	4.048	0.824	18.113	0.041301188	0.907874292
3.00	2.256	0.620	18.733	0.031076137	0.938950429
3.25	0.926	0.387	19.120	0.019397524	0.958347952
3.50	0.535	0.285	19.405	0.014284998	0.972632951
3.75	0.324	0.287	19.692	0.014385244	0.987018195
4.00	0.198	0.175	19.867	0.008771490	0.995789685
PAN	0.091	0.084	19.951	0.004210315	1.0

**TOTAL WT.** 89.505 grams  
**DIGESTED WT.** 19.951 grams  
**% SILICA** 22.290



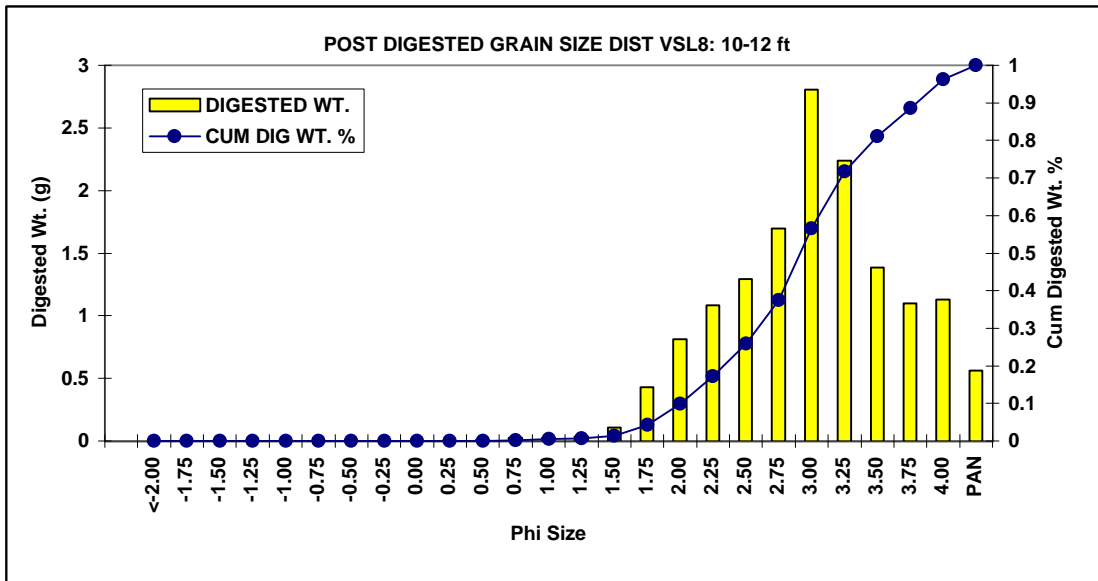


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL8 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.060	0.000	0.000	0.000000000	0.000000000
-1.75	0.101	0.000	0.000	0.000000000	0.000000000
-1.50	0.235	0.000	0.000	0.000000000	0.000000000
-1.25	0.396	0.000	0.000	0.000000000	0.000000000
-1.00	0.689	0.000	0.000	0.000000000	0.000000000
-0.75	0.928	0.000	0.000	0.000000000	0.000000000
-0.50	1.204	0.000	0.000	0.000000000	0.000000000
-0.25	1.472	0.000	0.000	0.000000000	0.000000000
0.00	1.443	0.000	0.000	0.000000000	0.000000000
0.25	1.678	0.001	0.001	0.000067847	0.000067847
0.50	1.524	0.008	0.009	0.000542778	0.000610625
0.75	1.652	0.026	0.035	0.001764027	0.002374652
1.00	2.116	0.028	0.063	0.001899722	0.004274374
1.25	2.354	0.035	0.098	0.002374652	0.006649026
1.50	2.682	0.106	0.204	0.007191804	0.013840830
1.75	4.460	0.431	0.635	0.029242147	0.043082977
2.00	5.416	0.812	1.447	0.055091933	0.098174910
2.25	7.388	1.082	2.529	0.073410679	0.171585589
2.50	10.574	1.293	3.822	0.087726440	0.259312029
2.75	11.214	1.697	5.519	0.115136712	0.374448741
3.00	10.300	2.806	8.325	0.190379266	0.564828007
3.25	5.221	2.237	10.562	0.151774204	0.716602212
3.50	3.401	1.386	11.948	0.094036230	0.810638442
3.75	1.469	1.099	13.047	0.074564082	0.885202524
4.00	1.299	1.129	14.176	0.076599498	0.961802022
PAN	0.830	0.563	14.739	0.038197978	1.0

**TOTAL WT.** 80.106 grams  
**DIGESTED WT.** 14.739 grams  
**% SILICA** 18.399

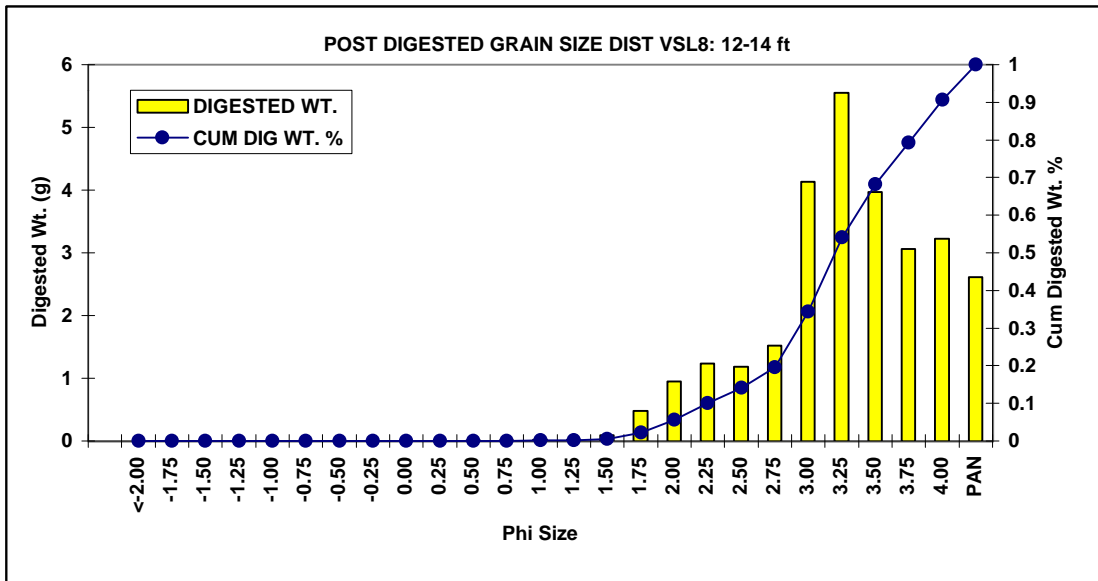


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL8 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	14.461	0.000	0.000	0.000000000	0.000000000
-1.75	0.504	0.000	0.000	0.000000000	0.000000000
-1.50	1.055	0.000	0.000	0.000000000	0.000000000
-1.25	0.732	0.000	0.000	0.000000000	0.000000000
-1.00	0.862	0.000	0.000	0.000000000	0.000000000
-0.75	1.021	0.000	0.000	0.000000000	0.000000000
-0.50	0.933	0.000	0.000	0.000000000	0.000000000
-0.25	0.923	0.000	0.000	0.000000000	0.000000000
0.00	0.701	0.000	0.000	0.000000000	0.000000000
0.25	0.811	0.001	0.001	0.000035632	0.000035632
0.50	0.726	0.007	0.008	0.000249421	0.000285053
0.75	0.738	0.008	0.016	0.000285053	0.000570105
1.00	0.978	0.017	0.033	0.000605737	0.001175842
1.25	1.057	0.025	0.058	0.000890789	0.002066631
1.50	1.152	0.088	0.146	0.003135578	0.005202209
1.75	2.374	0.477	0.623	0.016996259	0.022198468
2.00	3.248	0.945	1.568	0.033671833	0.055870301
2.25	4.897	1.233	2.801	0.043933725	0.099804026
2.50	7.193	1.184	3.985	0.042187778	0.141991805
2.75	9.111	1.517	5.502	0.054053091	0.196044896
3.00	13.017	4.134	9.636	0.147300909	0.343345804
3.25	10.132	5.555	15.191	0.197933369	0.541279173
3.50	8.037	3.965	19.156	0.141279173	0.682558347
3.75	3.568	3.065	22.221	0.109210761	0.791769107
4.00	3.793	3.227	25.448	0.114983075	0.906752182
PAN	3.526	2.617	28.065	0.093247818	1.0

**TOTAL WT.** 95.550 grams  
**DIGESTED WT.** 28.065 grams  
**% SILICA** 29.372

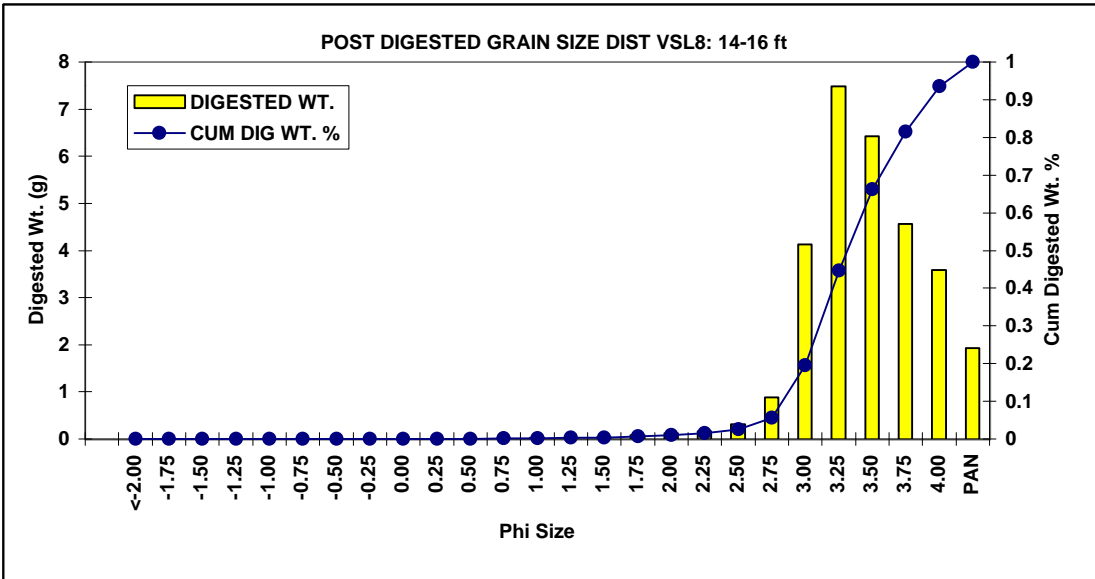


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

**CORE VSL8 : 14-16 ft**

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	8.206	0.000	0.000	0.000000000	0.000000000
-1.75	0.793	0.000	0.000	0.000000000	0.000000000
-1.50	1.017	0.000	0.000	0.000000000	0.000000000
-1.25	1.055	0.000	0.000	0.000000000	0.000000000
-1.00	1.063	0.000	0.000	0.000000000	0.000000000
-0.75	0.733	0.000	0.000	0.000000000	0.000000000
-0.50	0.857	0.000	0.000	0.000000000	0.000000000
-0.25	0.767	0.000	0.000	0.000000000	0.000000000
0.00	0.650	0.001	0.001	0.000033575	0.000033575
0.25	0.701	0.000	0.001	0.000000000	0.000033575
0.50	0.648	0.014	0.015	0.000470051	0.000503626
0.75	0.664	0.018	0.033	0.000604351	0.001107977
1.00	0.731	0.027	0.060	0.000906527	0.002014504
1.25	0.690	0.020	0.080	0.000671501	0.002686006
1.50	0.576	0.034	0.114	0.001141553	0.003827558
1.75	0.923	0.081	0.195	0.002719581	0.006547139
2.00	1.102	0.122	0.317	0.004096159	0.010643298
2.25	1.831	0.159	0.476	0.005338437	0.015981735
2.50	3.606	0.307	0.783	0.010307548	0.026289283
2.75	6.485	0.889	1.672	0.029848241	0.056137524
3.00	14.324	4.129	5.801	0.138631480	0.194769003
3.25	13.398	7.484	13.285	0.251275853	0.446044856
3.50	12.246	6.420	19.705	0.215551974	0.661596831
3.75	4.975	4.562	24.267	0.153169487	0.814766317
4.00	4.094	3.588	27.855	0.120467365	0.935233683
PAN	2.475	1.929	29.784	0.064766317	1.0

<b>TOTAL WT.</b>	84.610	grams
<b>DIGESTED WT.</b>	29.784	grams
<b>% SILICA</b>	35.202	

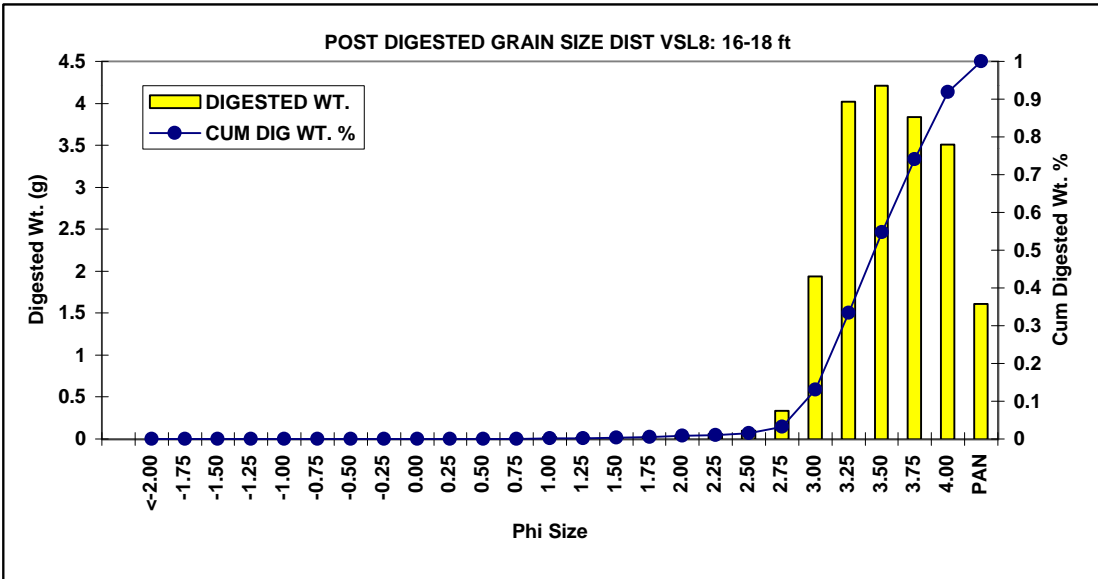


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL8 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	11.381	0.000	0.000	0.000000000	0.000000000
-1.75	1.286	0.000	0.000	0.000000000	0.000000000
-1.50	1.350	0.000	0.000	0.000000000	0.000000000
-1.25	1.410	0.000	0.000	0.000000000	0.000000000
-1.00	1.366	0.000	0.000	0.000000000	0.000000000
-0.75	1.077	0.000	0.000	0.000000000	0.000000000
-0.50	1.025	0.000	0.000	0.000000000	0.000000000
-0.25	0.876	0.000	0.000	0.000000000	0.000000000
0.00	0.635	0.000	0.000	0.000000000	0.000000000
0.25	0.567	0.001	0.001	0.00050582	0.00050582
0.50	0.439	0.008	0.009	0.00404654	0.00455235
0.75	0.469	0.007	0.016	0.00354072	0.00809307
1.00	0.459	0.020	0.036	0.01011634	0.01820941
1.25	0.335	0.014	0.050	0.00708144	0.02529084
1.50	0.304	0.018	0.068	0.00910470	0.03439555
1.75	0.378	0.034	0.102	0.01719777	0.05159332
2.00	0.372	0.049	0.151	0.02478503	0.07637835
2.25	0.540	0.062	0.213	0.03136065	0.10773900
2.50	1.109	0.101	0.314	0.05108751	0.15882650
2.75	2.280	0.336	0.650	0.16995448	0.32878098
3.00	5.823	1.934	2.584	0.097824987	0.130703085
3.25	7.560	4.017	6.601	0.203186646	0.333889732
3.50	8.628	4.211	10.812	0.212999494	0.546889226
3.75	4.332	3.835	14.647	0.193980779	0.740870005
4.00	4.145	3.511	18.158	0.177592312	0.918462317
PAN	2.045	1.612	19.770	0.081537683	1.0

**TOTAL WT.** 60.191 grams  
**DIGESTED WT.** 19.770 grams  
**% SILICA** 32.845

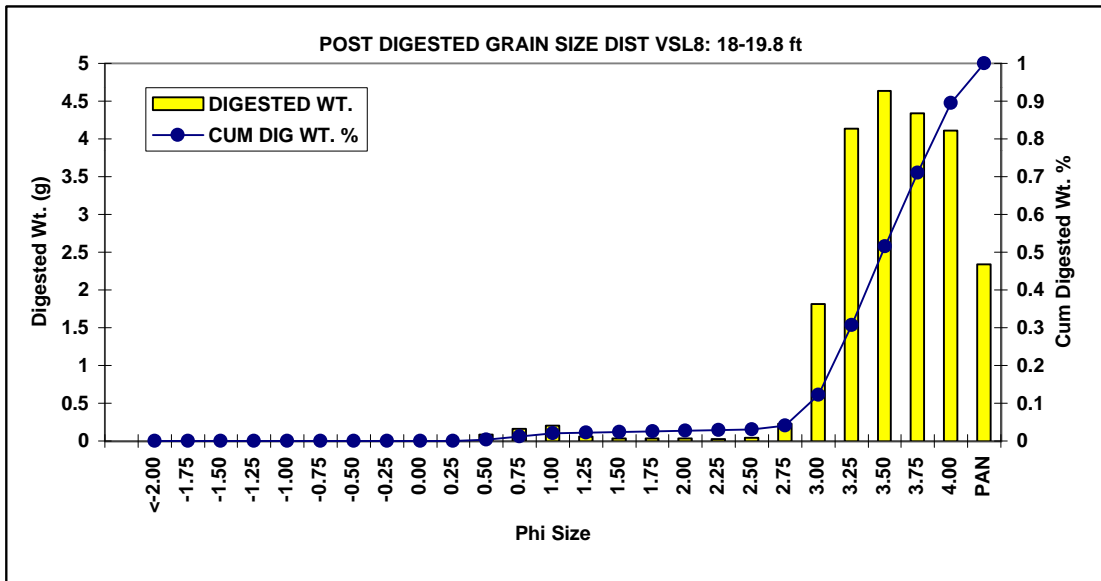


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL8 : 18-19.8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	15.587	0.000	0.000	0.000000000	0.000000000
-1.75	5.605	0.000	0.000	0.000000000	0.000000000
-1.50	6.025	0.000	0.000	0.000000000	0.000000000
-1.25	5.947	0.000	0.000	0.000000000	0.000000000
-1.00	6.078	0.000	0.000	0.000000000	0.000000000
-0.75	5.488	0.000	0.000	0.000000000	0.000000000
-0.50	5.146	0.000	0.000	0.000000000	0.000000000
-0.25	3.939	0.000	0.000	0.000000000	0.000000000
0.00	2.754	0.000	0.000	0.000000000	0.000000000
0.25	2.666	0.002	0.002	0.000089759	0.000089759
0.50	1.908	0.082	0.084	0.003680101	0.003769859
0.75	1.490	0.163	0.247	0.007315322	0.011085181
1.00	1.174	0.200	0.447	0.008975855	0.020061036
1.25	0.606	0.062	0.509	0.002782515	0.022843551
1.50	0.251	0.034	0.543	0.001525895	0.024369446
1.75	0.249	0.036	0.579	0.001615654	0.025985100
2.00	0.271	0.030	0.609	0.001346378	0.027331478
2.25	0.424	0.025	0.634	0.001121982	0.028453460
2.50	0.958	0.042	0.676	0.001884930	0.030338390
2.75	2.115	0.232	0.908	0.010411992	0.040750381
3.00	5.218	1.812	2.720	0.081321246	0.122071627
3.25	7.226	4.133	6.853	0.185486043	0.307557670
3.50	9.506	4.634	11.487	0.207970559	0.515528229
3.75	4.974	4.342	15.829	0.194865811	0.710394040
4.00	4.772	4.114	19.943	0.184633336	0.895027376
PAN	2.998	2.339	22.282	0.104972624	1.0

**TOTAL WT.** 103.375 grams  
**DIGESTED WT.** 22.282 grams  
**% SILICA** 21.555

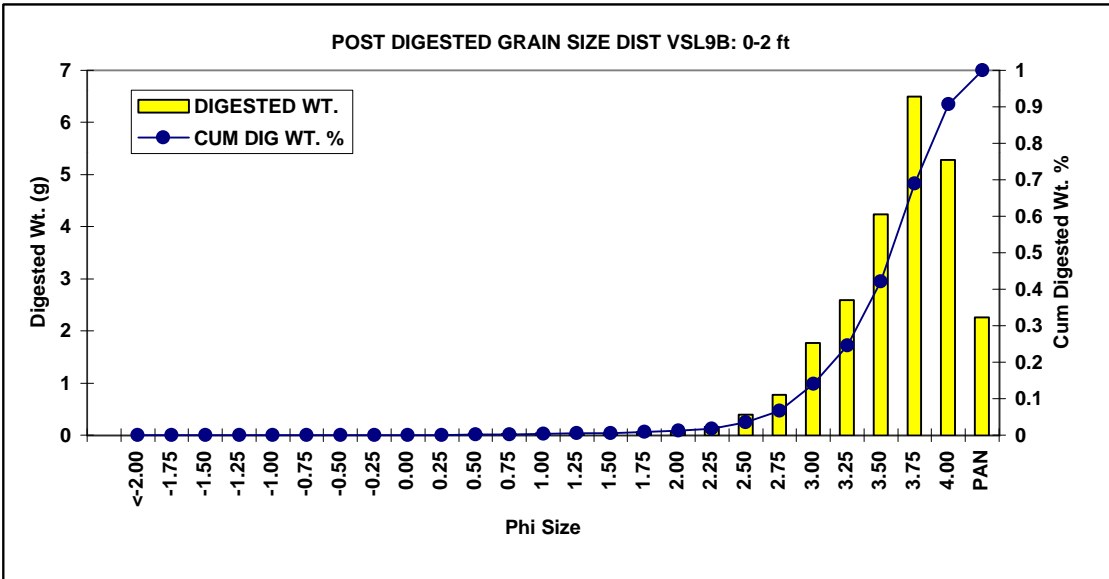


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL9B : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	8.359	0.000	0.000	0.000000000	0.000000000
-1.75	2.414	0.000	0.000	0.000000000	0.000000000
-1.50	2.798	0.000	0.000	0.000000000	0.000000000
-1.25	1.941	0.000	0.000	0.000000000	0.000000000
-1.00	2.139	0.000	0.000	0.000000000	0.000000000
-0.75	1.732	0.000	0.000	0.000000000	0.000000000
-0.50	1.609	0.000	0.000	0.000000000	0.000000000
-0.25	1.564	0.000	0.000	0.000000000	0.000000000
0.00	1.151	0.000	0.000	0.000000000	0.000000000
0.25	1.232	0.000	0.000	0.000000000	0.000000000
0.50	1.024	0.022	0.022	0.000906730	0.000906730
0.75	0.938	0.025	0.047	0.001030375	0.001937106
1.00	0.994	0.035	0.082	0.001442526	0.003379632
1.25	0.835	0.027	0.109	0.001112806	0.004492437
1.50	0.612	0.038	0.147	0.001566171	0.006058608
1.75	0.948	0.062	0.209	0.002555331	0.008613939
2.00	1.175	0.074	0.283	0.003049911	0.011663850
2.25	2.045	0.160	0.443	0.006594403	0.018258253
2.50	3.724	0.396	0.839	0.016321147	0.034579401
2.75	5.115	0.775	1.614	0.031941640	0.066521040
3.00	6.839	1.772	3.386	0.073033013	0.139554053
3.25	5.786	2.594	5.980	0.106911759	0.246465812
3.50	8.629	4.237	10.217	0.174628034	0.421093847
3.75	7.383	6.495	16.712	0.267691547	0.688785393
4.00	6.398	5.286	21.998	0.217862589	0.906647983
PAN	3.066	2.265	24.263	0.093352017	1.0

TOTAL WT. 80.450 grams  
 DIGESTED WT. 24.263 grams  
 % SILICA 30.159

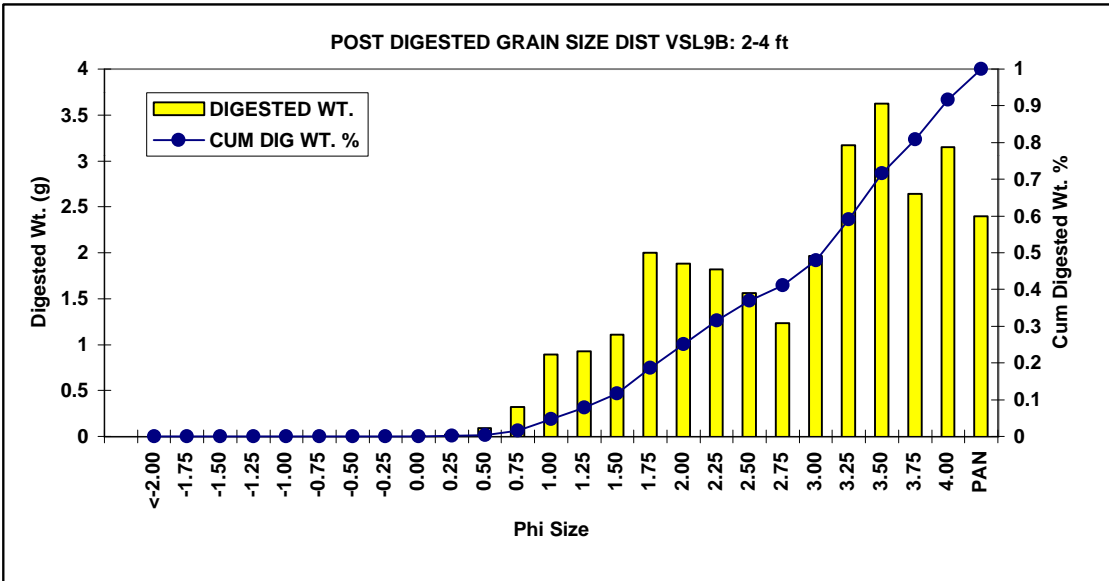


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL9B : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	2.520	0.000	0.000	0.000000000	0.000000000
-1.75	0.453	0.000	0.000	0.000000000	0.000000000
-1.50	0.551	0.000	0.000	0.000000000	0.000000000
-1.25	0.605	0.000	0.000	0.000000000	0.000000000
-1.00	0.853	0.000	0.000	0.000000000	0.000000000
-0.75	0.994	0.000	0.000	0.000000000	0.000000000
-0.50	1.304	0.000	0.000	0.000000000	0.000000000
-0.25	1.898	0.000	0.000	0.000000000	0.000000000
0.00	2.065	0.010	0.010	0.000347186	0.000347186
0.25	3.162	0.024	0.034	0.000833247	0.001180433
0.50	3.414	0.088	0.122	0.003055237	0.004235670
0.75	4.086	0.323	0.445	0.011214110	0.015449780
1.00	4.927	0.894	1.339	0.031038433	0.046488213
1.25	4.082	0.926	2.265	0.032149429	0.078637642
1.50	2.807	1.105	3.370	0.038364059	0.117001701
1.75	3.627	2.000	5.370	0.069437211	0.186438913
2.00	3.362	1.879	7.249	0.065236260	0.251675173
2.25	3.781	1.822	9.071	0.063257300	0.314932472
2.50	4.184	1.560	10.631	0.054161025	0.369093497
2.75	4.100	1.230	11.861	0.042703885	0.411797382
3.00	5.297	1.962	13.823	0.068117904	0.479915287
3.25	5.502	3.169	16.992	0.110023261	0.589938548
3.50	7.196	3.625	20.617	0.125854946	0.715793494
3.75	3.424	2.642	23.259	0.091726556	0.807520050
4.00	4.483	3.147	26.406	0.109259452	0.916779502
PAN	3.889	2.397	28.803	0.083220498	1.0

**TOTAL WT.** 82.566 grams  
**DIGESTED WT.** 28.803 grams  
**% SILICA** 34.885

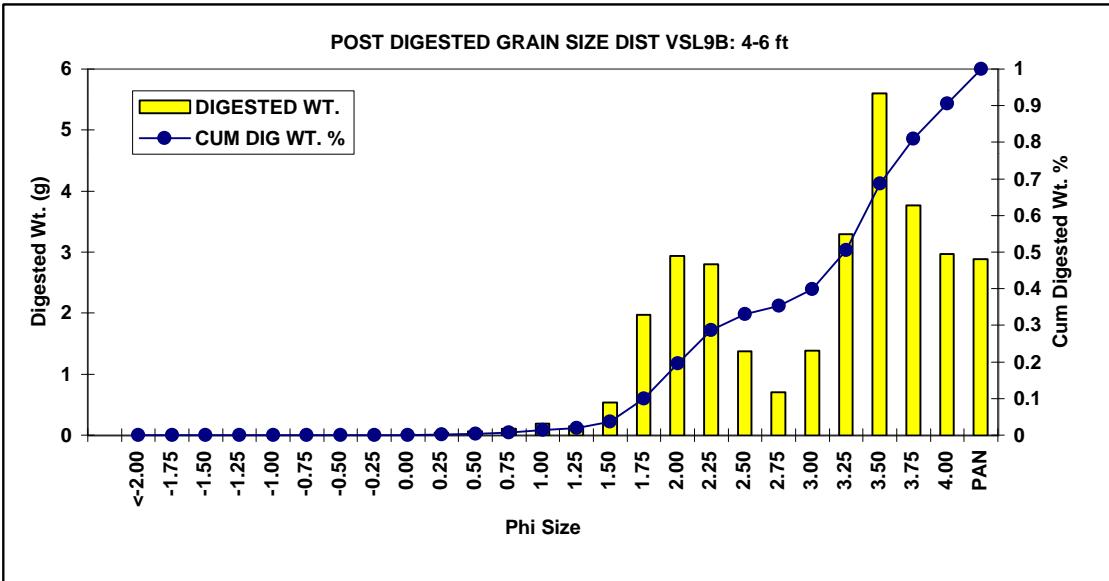


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL9B : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	5.442	0.000	0.000	0.000000000	0.000000000
-1.75	0.614	0.000	0.000	0.000000000	0.000000000
-1.50	0.993	0.000	0.000	0.000000000	0.000000000
-1.25	1.770	0.000	0.000	0.000000000	0.000000000
-1.00	1.476	0.000	0.000	0.000000000	0.000000000
-0.75	1.347	0.000	0.000	0.000000000	0.000000000
-0.50	1.587	0.004	0.004	0.000129963	0.000129963
-0.25	1.414	0.005	0.009	0.000162454	0.000292417
0.00	1.377	0.010	0.019	0.000324907	0.000617324
0.25	1.498	0.039	0.058	0.001267139	0.001884463
0.50	1.309	0.063	0.121	0.002046917	0.003931380
0.75	1.183	0.109	0.230	0.003541491	0.007472870
1.00	1.207	0.193	0.423	0.006270713	0.013743583
1.25	1.319	0.152	0.575	0.004938593	0.018682176
1.50	1.415	0.533	1.108	0.017317564	0.035999740
1.75	3.461	1.973	3.081	0.064104230	0.100103970
2.00	4.763	2.935	6.016	0.095360322	0.195464293
2.25	5.163	2.803	8.819	0.091071545	0.286535837
2.50	4.124	1.370	10.189	0.044512314	0.331048151
2.75	3.352	0.698	10.887	0.022678537	0.353726688
3.00	4.866	1.383	12.270	0.044934694	0.398661382
3.25	6.200	3.293	15.563	0.106992007	0.505653389
3.50	11.117	5.598	21.161	0.181883163	0.687536552
3.75	4.860	3.761	24.922	0.122197674	0.809734226
4.00	4.176	2.969	27.891	0.096465007	0.906199233
PAN	4.274	2.887	30.778	0.093800767	1.0

**TOTAL WT.** 80.307 grams  
**DIGESTED WT.** 30.778 grams  
**% SILICA** 38.325



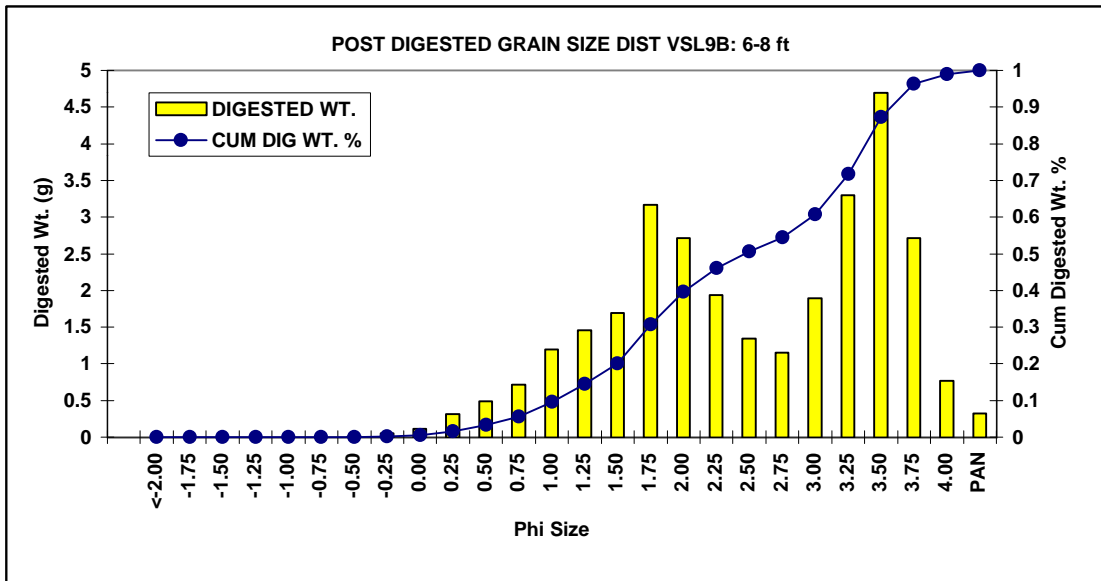


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

**CORE VSL9B : 6-8 ft**

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	3.696	0.000	0.000	0.000000000	0.000000000
-1.75	1.288	0.000	0.000	0.000000000	0.000000000
-1.50	2.087	0.000	0.000	0.000000000	0.000000000
-1.25	2.053	0.000	0.000	0.000000000	0.000000000
-1.00	2.548	0.000	0.000	0.000000000	0.000000000
-0.75	2.871	0.000	0.000	0.000000000	0.000000000
-0.50	3.914	0.006	0.006	0.000199714	0.000199714
-0.25	4.372	0.048	0.054	0.001597710	0.001797424
0.00	4.329	0.116	0.170	0.003861132	0.005658556
0.25	5.413	0.318	0.488	0.010584828	0.016243384
0.50	4.971	0.493	0.981	0.016409813	0.032653197
0.75	4.132	0.714	1.695	0.023765935	0.056419133
1.00	4.020	1.195	2.890	0.039776321	0.096195453
1.25	3.783	1.455	4.345	0.048430583	0.144626036
1.50	3.416	1.692	6.037	0.056319276	0.200945312
1.75	5.056	3.166	9.203	0.105382285	0.306327597
2.00	4.213	2.717	11.920	0.090437040	0.396764637
2.25	3.642	1.936	13.856	0.064440968	0.461205605
2.50	3.418	1.345	15.201	0.044769164	0.505974769
2.75	3.310	1.149	16.350	0.038245182	0.544219951
3.00	3.976	1.892	18.242	0.062976400	0.607196352
3.25	4.418	3.295	21.537	0.109676131	0.716872483
3.50	7.954	4.696	26.233	0.156309290	0.873181773
3.75	3.292	2.718	28.951	0.090470326	0.963652099
4.00	1.359	0.771	29.722	0.025663216	0.989315315
PAN	0.720	0.321	30.043	0.010684685	1.0

<b>TOTAL WT.</b>	94.251	grams
<b>DIGESTED WT.</b>	30.043	grams
<b>% SILICA</b>	31.876	

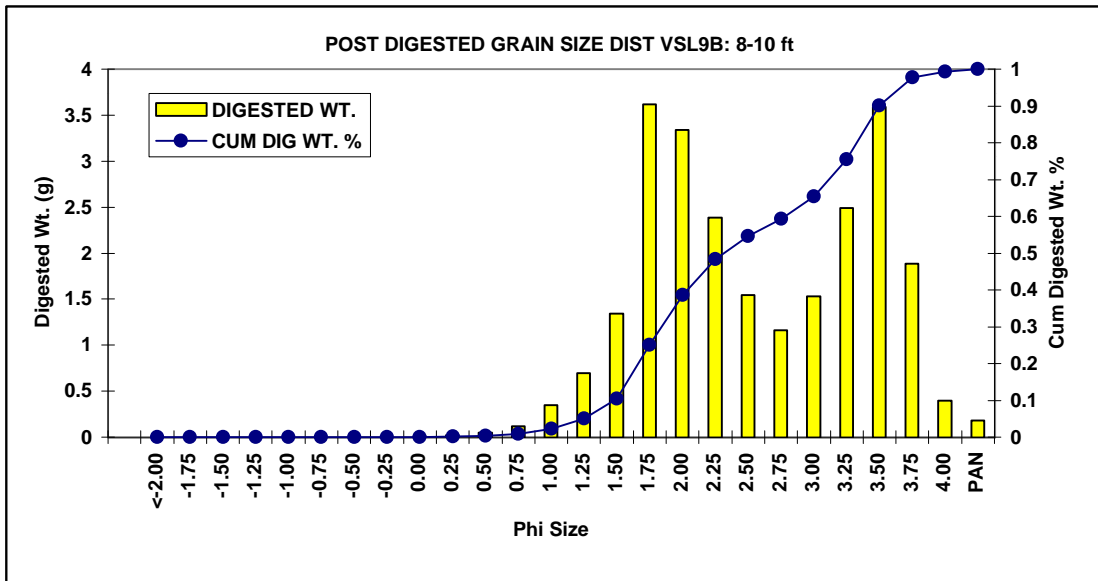


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL9B : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	14.229	0.000	0.000	0.000000000	0.000000000
-1.75	0.422	0.000	0.000	0.000000000	0.000000000
-1.50	0.965	0.000	0.000	0.000000000	0.000000000
-1.25	0.676	0.000	0.000	0.000000000	0.000000000
-1.00	0.943	0.000	0.000	0.000000000	0.000000000
-0.75	1.063	0.000	0.000	0.000000000	0.000000000
-0.50	1.298	0.001	0.001	0.000040487	0.000040487
-0.25	1.510	0.001	0.002	0.000040487	0.000080975
0.00	1.739	0.007	0.009	0.000283412	0.000364387
0.25	2.539	0.024	0.033	0.000971699	0.001336086
0.50	2.856	0.046	0.079	0.001862424	0.003198510
0.75	3.627	0.119	0.198	0.004818009	0.008016519
1.00	5.307	0.349	0.547	0.014130127	0.022146646
1.25	6.672	0.698	1.245	0.028260253	0.050406899
1.50	7.127	1.341	2.586	0.054293696	0.104700595
1.75	11.613	3.614	6.200	0.146321713	0.251022309
2.00	9.900	3.336	9.536	0.135066197	0.386088506
2.25	8.642	2.388	11.924	0.096684076	0.482772582
2.50	9.251	1.546	13.470	0.062593627	0.545366209
2.75	8.608	1.162	14.632	0.047046439	0.592412648
3.00	7.022	1.528	16.160	0.061864853	0.654277501
3.25	4.093	2.488	18.648	0.100732823	0.755010324
3.50	5.554	3.591	22.239	0.145390502	0.900400826
3.75	2.229	1.882	24.121	0.076197417	0.976598243
4.00	0.649	0.398	24.519	0.016114013	0.992712256
PAN	0.388	0.180	24.699	0.007287744	1.0

**TOTAL WT.** 118.922 grams  
**DIGESTED WT.** 24.699 grams  
**% SILICA** 20.769

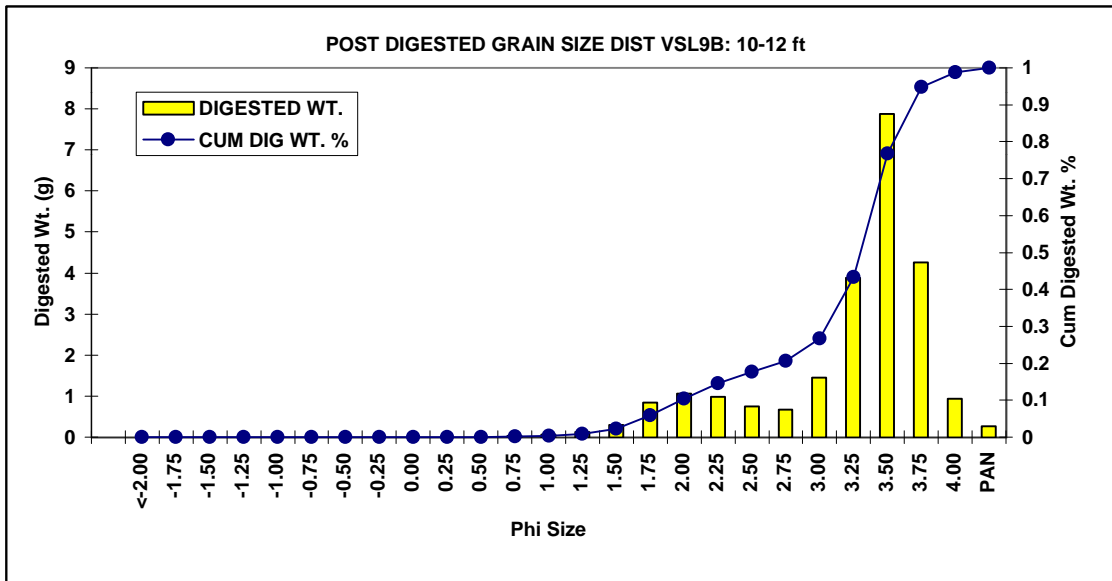


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL9B : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	7.505	0.000	0.000	0.000000000	0.000000000
-1.75	0.664	0.000	0.000	0.000000000	0.000000000
-1.50	0.421	0.000	0.000	0.000000000	0.000000000
-1.25	0.667	0.000	0.000	0.000000000	0.000000000
-1.00	0.625	0.000	0.000	0.000000000	0.000000000
-0.75	0.917	0.000	0.000	0.000000000	0.000000000
-0.50	1.118	0.000	0.000	0.000000000	0.000000000
-0.25	1.532	0.000	0.000	0.000000000	0.000000000
0.00	1.654	0.000	0.000	0.000000000	0.000000000
0.25	2.086	0.002	0.002	0.000085030	0.000085030
0.50	2.180	0.007	0.009	0.000297606	0.000382637
0.75	2.507	0.028	0.037	0.001190426	0.001573062
1.00	3.436	0.063	0.100	0.002678458	0.004251520
1.25	3.944	0.120	0.220	0.005101824	0.009353344
1.50	4.061	0.302	0.522	0.012839590	0.022192934
1.75	5.786	0.845	1.367	0.035925343	0.058118277
2.00	4.974	1.068	2.435	0.045406233	0.103524510
2.25	4.526	0.984	3.419	0.041834956	0.145359466
2.50	4.986	0.748	4.167	0.031801369	0.177160835
2.75	5.915	0.672	4.839	0.028570214	0.205731049
3.00	8.658	1.451	6.290	0.061689554	0.267420603
3.25	8.540	3.885	10.175	0.165171549	0.432592152
3.50	14.526	7.873	18.048	0.334722163	0.767314315
3.75	6.176	4.266	22.314	0.181369840	0.948684155
4.00	1.772	0.942	23.256	0.040049318	0.988733472
PAN	0.579	0.265	23.521	0.011266528	1.0

TOTAL WT. 99.755 grams  
 DIGESTED WT. 23.521 grams  
 % SILICA 23.579

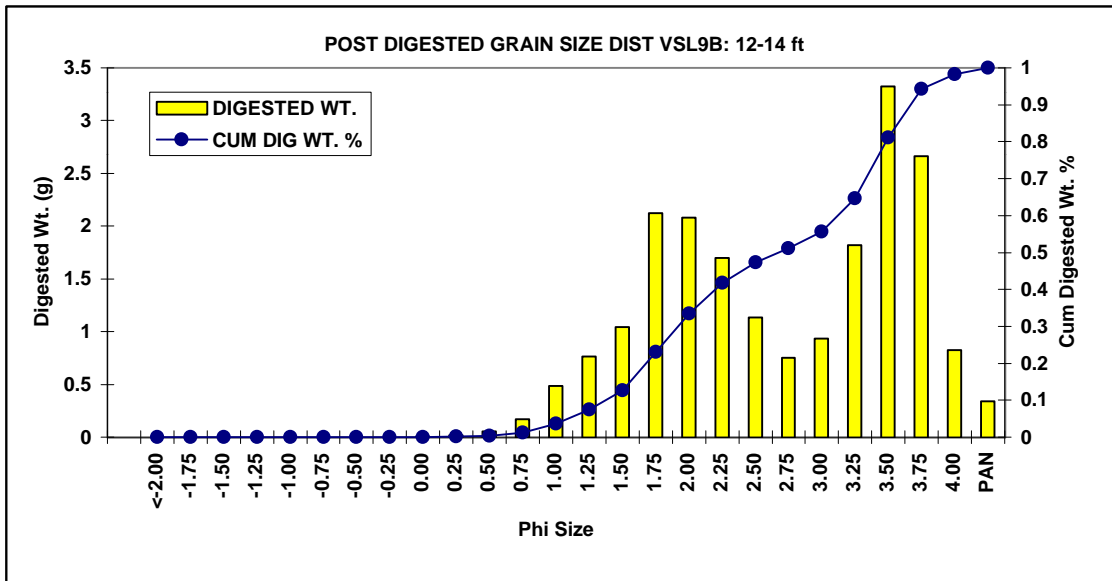


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL9B : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	17.145	0.000	0.000	0.000000000	0.000000000
-1.75	1.536	0.000	0.000	0.000000000	0.000000000
-1.50	1.876	0.000	0.000	0.000000000	0.000000000
-1.25	1.410	0.000	0.000	0.000000000	0.000000000
-1.00	1.687	0.000	0.000	0.000000000	0.000000000
-0.75	1.689	0.000	0.000	0.000000000	0.000000000
-0.50	1.962	0.000	0.000	0.000000000	0.000000000
-0.25	2.198	0.002	0.002	0.000098761	0.000098761
0.00	1.948	0.005	0.007	0.000246901	0.000345662
0.25	2.427	0.021	0.028	0.001036986	0.001382648
0.50	2.495	0.054	0.082	0.002666535	0.004049183
0.75	2.577	0.172	0.254	0.008493408	0.012542590
1.00	3.279	0.488	0.742	0.024097575	0.036640166
1.25	3.619	0.766	1.508	0.037825293	0.074465458
1.50	3.210	1.045	2.553	0.051602390	0.126067849
1.75	5.381	2.126	4.679	0.104982470	0.231050319
2.00	4.861	2.079	6.758	0.102661597	0.333711915
2.25	4.674	1.699	8.457	0.083897092	0.417609007
2.50	4.709	1.135	9.592	0.056046615	0.473655622
2.75	4.296	0.754	10.346	0.037232729	0.510888351
3.00	4.974	0.934	11.280	0.046121179	0.557009530
3.25	4.680	1.818	13.098	0.089773345	0.646782875
3.50	7.325	3.323	16.421	0.164090662	0.810873537
3.75	3.791	2.663	19.084	0.131499679	0.942373216
4.00	2.208	0.827	19.911	0.040837490	0.983210706
PAN	1.275	0.340	20.251	0.016789294	1.0

TOTAL WT. 97.232 grams  
 DIGESTED WT. 20.251 grams  
 % SILICA 20.828

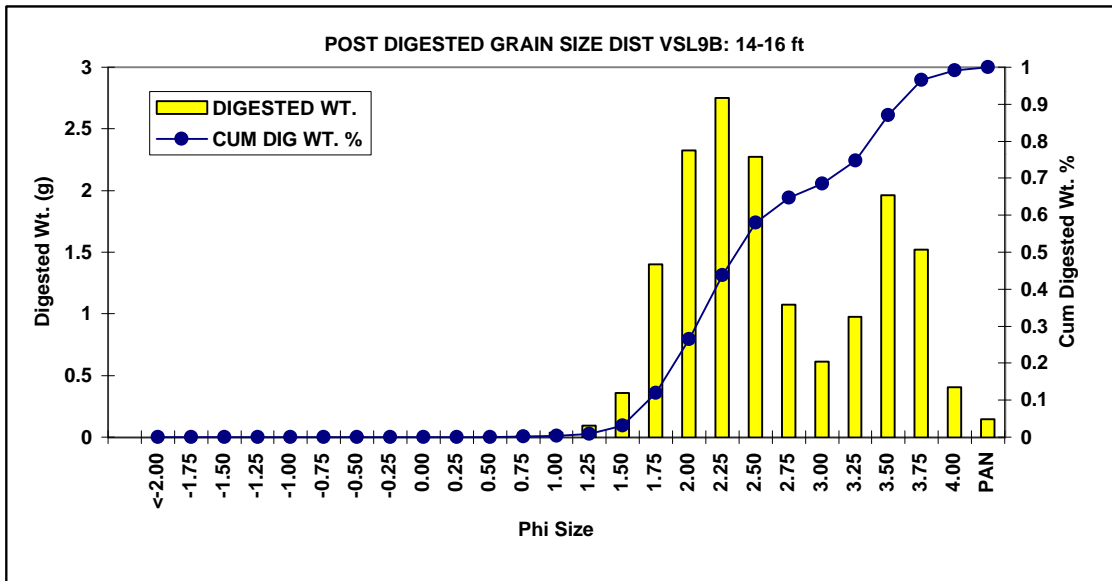


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL9B : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.404	0.000	0.000	0.000000000	0.000000000
-1.75	0.215	0.000	0.000	0.000000000	0.000000000
-1.50	0.125	0.000	0.000	0.000000000	0.000000000
-1.25	0.087	0.000	0.000	0.000000000	0.000000000
-1.00	0.119	0.000	0.000	0.000000000	0.000000000
-0.75	0.183	0.000	0.000	0.000000000	0.000000000
-0.50	0.288	0.003	0.003	0.000188041	0.000188041
-0.25	0.388	0.000	0.003	0.000000000	0.000188041
0.00	0.496	0.001	0.004	0.000062680	0.000250721
0.25	0.803	0.001	0.005	0.000062680	0.000313401
0.50	1.011	0.005	0.010	0.000313401	0.000626802
0.75	1.460	0.009	0.019	0.000564122	0.001190924
1.00	2.520	0.036	0.055	0.002256487	0.003447411
1.25	3.537	0.096	0.151	0.006017300	0.009464711
1.50	4.010	0.357	0.508	0.022376833	0.031841544
1.75	7.928	1.401	1.909	0.087814968	0.119656512
2.00	9.863	2.324	4.233	0.145668798	0.265325310
2.25	12.571	2.750	6.983	0.172370565	0.437695876
2.50	13.244	2.271	9.254	0.142346747	0.580042623
2.75	8.236	1.074	10.328	0.067318541	0.647361163
3.00	5.112	0.614	10.942	0.038485646	0.685846810
3.25	3.179	0.976	11.918	0.061175881	0.747022690
3.50	4.921	1.961	13.879	0.122915883	0.869938573
3.75	2.353	1.523	15.402	0.095461953	0.965400527
4.00	0.994	0.406	15.808	0.025448163	0.990848690
PAN	0.362	0.146	15.954	0.009151310	1.0

TOTAL WT. 84.409 grams  
 DIGESTED WT. 15.954 grams  
 % SILICA 18.901

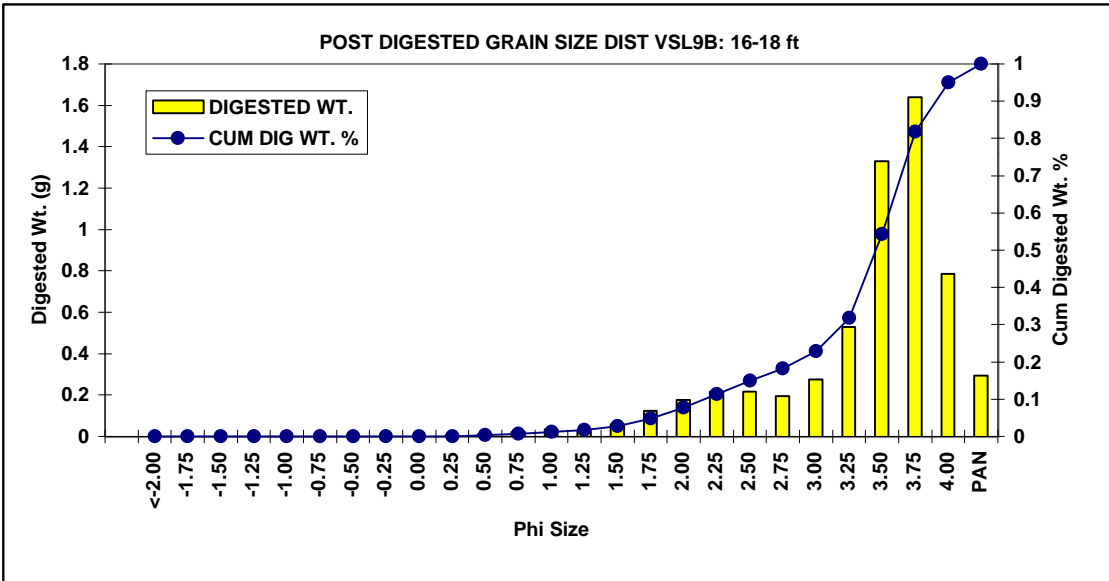


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL9B : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	51.780	0.000	0.000	0.000000000	0.000000000
-1.75	2.712	0.000	0.000	0.000000000	0.000000000
-1.50	4.345	0.000	0.000	0.000000000	0.000000000
-1.25	5.820	0.000	0.000	0.000000000	0.000000000
-1.00	5.823	0.000	0.000	0.000000000	0.000000000
-0.75	5.607	0.000	0.000	0.000000000	0.000000000
-0.50	5.839	0.000	0.000	0.000000000	0.000000000
-0.25	5.087	0.000	0.000	0.000000000	0.000000000
0.00	3.411	0.000	0.000	0.000000000	0.000000000
0.25	3.113	0.005	0.005	0.000841893	0.000841893
0.50	2.122	0.011	0.016	0.001852164	0.002694056
0.75	1.662	0.021	0.037	0.003535949	0.006230005
1.00	1.396	0.035	0.072	0.005893248	0.012123253
1.25	1.010	0.029	0.101	0.004882977	0.017006230
1.50	0.695	0.058	0.159	0.009765954	0.026772184
1.75	1.015	0.123	0.282	0.020710557	0.047482741
2.00	0.967	0.175	0.457	0.029466240	0.076948981
2.25	1.210	0.217	0.674	0.036538138	0.113487119
2.50	1.554	0.217	0.891	0.036538138	0.150025257
2.75	1.674	0.194	1.085	0.032665432	0.182690689
3.00	1.697	0.274	1.359	0.046135713	0.228826402
3.25	1.489	0.530	1.889	0.089240613	0.318067015
3.50	3.271	1.331	3.220	0.224111803	0.542178818
3.75	2.592	1.639	4.859	0.275972386	0.818151204
4.00	1.584	0.786	5.645	0.132345513	0.950496717
PAN	0.895	0.294	5.939	0.049503283	1.0

**TOTAL WT.** 118.370 grams  
**DIGESTED WT.** 5.939 grams  
**% SILICA** 5.017

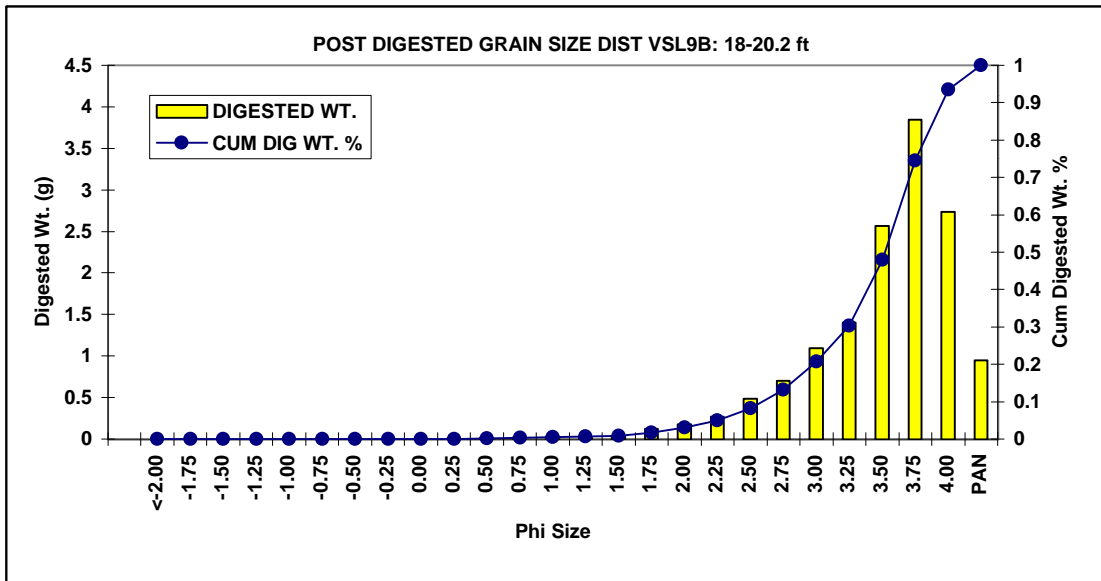


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL9B : 18-20.2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	5.188	0.000	0.000	0.000000000	0.000000000
-1.75	1.524	0.000	0.000	0.000000000	0.000000000
-1.50	1.650	0.000	0.000	0.000000000	0.000000000
-1.25	2.055	0.000	0.000	0.000000000	0.000000000
-1.00	3.134	0.000	0.000	0.000000000	0.000000000
-0.75	3.954	0.000	0.000	0.000000000	0.000000000
-0.50	5.137	0.000	0.000	0.000000000	0.000000000
-0.25	5.740	0.000	0.000	0.000000000	0.000000000
0.00	5.183	0.001	0.001	0.000069061	0.000069061
0.25	5.013	0.006	0.007	0.000414365	0.000483425
0.50	3.574	0.013	0.020	0.000897790	0.001381215
0.75	2.691	0.022	0.042	0.001519337	0.002900552
1.00	2.268	0.029	0.071	0.002002762	0.004903315
1.25	1.815	0.023	0.094	0.001588398	0.006491713
1.50	1.346	0.041	0.135	0.002831492	0.009323204
1.75	2.137	0.120	0.255	0.008287293	0.017610497
2.00	2.211	0.179	0.434	0.012361878	0.029972376
2.25	3.022	0.273	0.707	0.018853591	0.048825967
2.50	5.224	0.488	1.195	0.033701657	0.082527624
2.75	7.512	0.702	1.897	0.048480663	0.131008287
3.00	9.419	1.092	2.989	0.075414365	0.206422652
3.25	6.379	1.399	4.388	0.096616022	0.303038674
3.50	8.209	2.565	6.953	0.177140884	0.480179558
3.75	6.247	3.844	10.797	0.265469613	0.745649171
4.00	4.801	2.735	13.532	0.188881215	0.934530387
PAN	1.732	0.948	14.480	0.065469613	1.0

**TOTAL WT.** 107.165 grams  
**DIGESTED WT.** 14.480 grams  
**% SILICA** 13.512

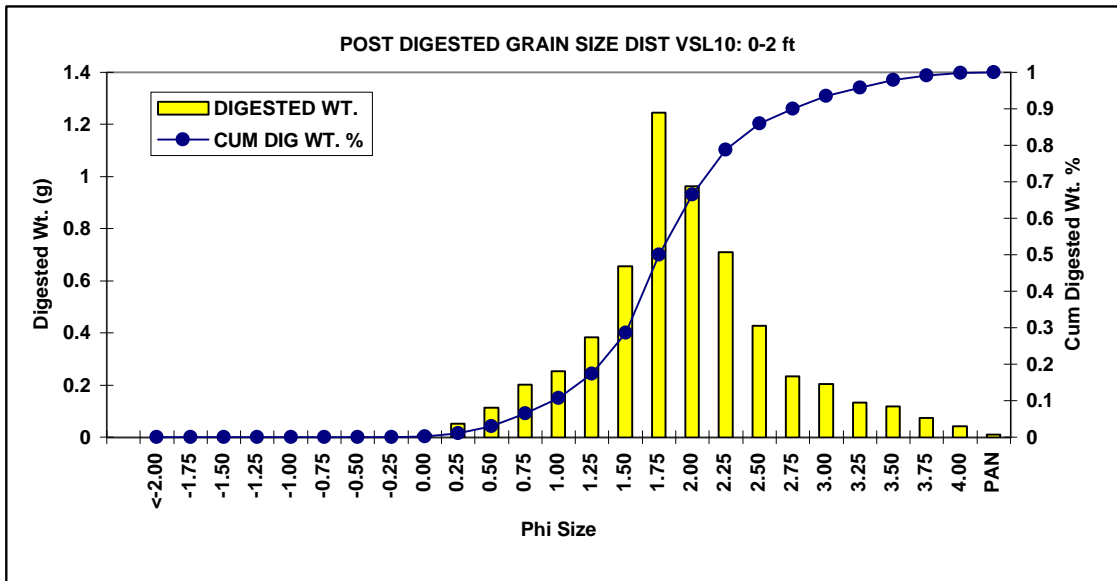


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL10 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	2.698	0.000	0.000	0.000000000	0.000000000
-1.75	0.545	0.000	0.000	0.000000000	0.000000000
-1.50	1.225	0.000	0.000	0.000000000	0.000000000
-1.25	1.756	0.000	0.000	0.000000000	0.000000000
-1.00	2.323	0.000	0.000	0.000000000	0.000000000
-0.75	3.100	0.000	0.000	0.000000000	0.000000000
-0.50	4.513	0.000	0.000	0.000000000	0.000000000
-0.25	5.461	0.000	0.000	0.000000000	0.000000000
0.00	5.706	0.009	0.009	0.001545064	0.001545064
0.25	7.394	0.051	0.060	0.008755365	0.010300429
0.50	7.136	0.113	0.173	0.019399142	0.029699571
0.75	7.172	0.202	0.375	0.034678112	0.064377682
1.00	7.523	0.252	0.627	0.043261803	0.107639485
1.25	6.951	0.382	1.009	0.065579399	0.173218884
1.50	5.090	0.655	1.664	0.112446352	0.285665236
1.75	5.831	1.246	2.910	0.213905579	0.499570815
2.00	3.816	0.964	3.874	0.165493562	0.665064378
2.25	2.839	0.710	4.584	0.121888412	0.786952790
2.50	1.898	0.427	5.011	0.073304721	0.860257511
2.75	0.910	0.234	5.245	0.040171674	0.900429185
3.00	0.417	0.204	5.449	0.035021459	0.935450644
3.25	0.143	0.133	5.582	0.022832618	0.958283262
3.50	0.122	0.119	5.701	0.020429185	0.978712446
3.75	0.082	0.074	5.775	0.012703863	0.991416309
4.00	0.050	0.041	5.816	0.007038627	0.998454936
PAN	0.028	0.009	5.825	0.001545064	1.0

<b>TOTAL WT.</b>	84.729	grams
<b>DIGESTED WT.</b>	5.825	grams
<b>% SILICA</b>	6.875	



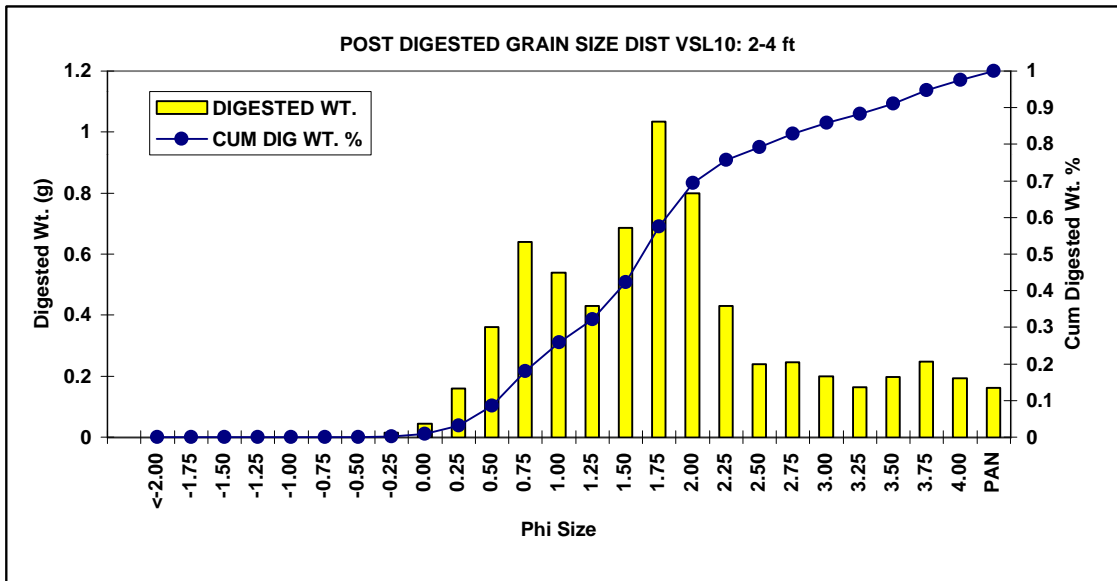


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL10 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	40.394	0.000	0.000	0.000000000	0.000000000
-1.75	2.396	0.000	0.000	0.000000000	0.000000000
-1.50	3.234	0.000	0.000	0.000000000	0.000000000
-1.25	3.258	0.000	0.000	0.000000000	0.000000000
-1.00	3.341	0.000	0.000	0.000000000	0.000000000
-0.75	3.299	0.000	0.000	0.000000000	0.000000000
-0.50	4.620	0.000	0.000	0.000000000	0.000000000
-0.25	5.152	0.014	0.014	0.002062767	0.002062767
0.00	5.034	0.044	0.058	0.006482982	0.008545749
0.25	6.599	0.159	0.217	0.023427140	0.031972889
0.50	7.001	0.361	0.578	0.053189922	0.085162811
0.75	7.950	0.640	1.218	0.094297922	0.179460734
1.00	7.866	0.540	1.758	0.079563872	0.259024606
1.25	6.868	0.431	2.189	0.063503757	0.322528363
1.50	4.623	0.686	2.875	0.101075586	0.423603949
1.75	5.257	1.034	3.909	0.152350081	0.575954030
2.00	3.612	0.800	4.709	0.117872403	0.693826433
2.25	2.807	0.430	5.139	0.063356417	0.757182850
2.50	1.939	0.240	5.379	0.035361721	0.792544571
2.75	1.014	0.245	5.624	0.036098423	0.828642994
3.00	0.585	0.200	5.824	0.029468101	0.858111095
3.25	0.278	0.163	5.987	0.024016502	0.882127597
3.50	0.291	0.198	6.185	0.029173420	0.911301017
3.75	0.354	0.248	6.433	0.036540445	0.947841462
4.00	0.214	0.193	6.626	0.028436717	0.976278179
PAN	0.175	0.161	6.787	0.023721821	1.0

**TOTAL WT.** 128.161 grams  
**DIGESTED WT.** 6.787 grams  
**% SILICA** 5.296

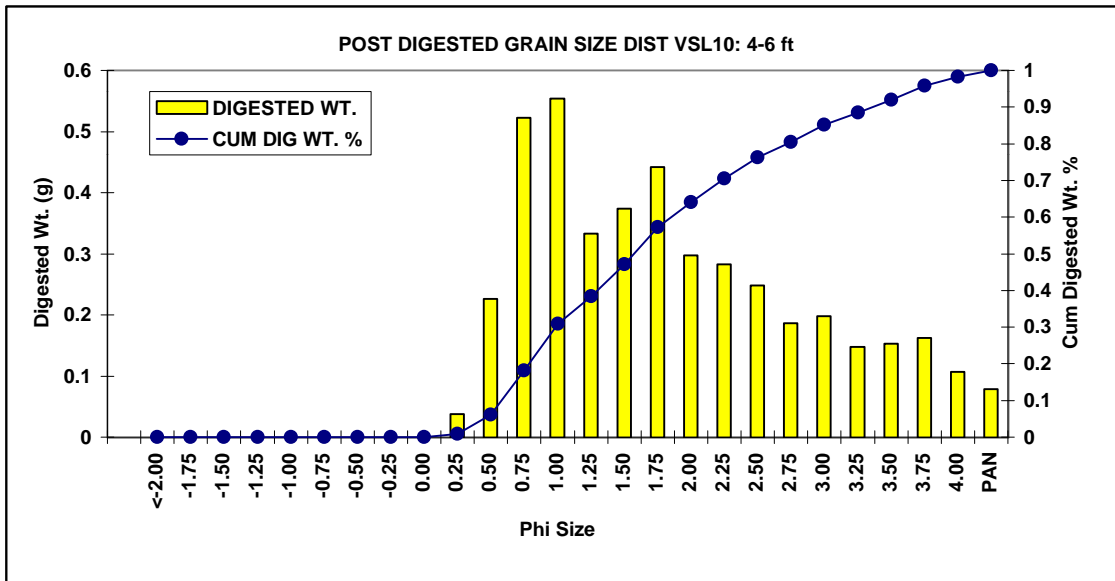


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL10 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	5.228	0.000	0.000	0.000000000	0.000000000
-1.75	1.250	0.000	0.000	0.000000000	0.000000000
-1.50	1.446	0.000	0.000	0.000000000	0.000000000
-1.25	3.154	0.000	0.000	0.000000000	0.000000000
-1.00	4.245	0.000	0.000	0.000000000	0.000000000
-0.75	5.123	0.000	0.000	0.000000000	0.000000000
-0.50	6.351	0.000	0.000	0.000000000	0.000000000
-0.25	7.060	0.000	0.000	0.000000000	0.000000000
0.00	7.344	0.000	0.000	0.000000000	0.000000000
0.25	8.985	0.038	0.038	0.008733624	0.008733624
0.50	8.905	0.226	0.264	0.051942082	0.060675707
0.75	9.304	0.523	0.787	0.120202252	0.180877959
1.00	8.622	0.554	1.341	0.127327051	0.308205010
1.25	5.702	0.333	1.674	0.076534130	0.384739140
1.50	2.934	0.374	2.048	0.085957251	0.470696392
1.75	2.488	0.442	2.490	0.101585842	0.572282234
2.00	1.463	0.297	2.787	0.068260170	0.640542404
2.25	1.325	0.283	3.070	0.065042519	0.705584923
2.50	1.199	0.248	3.318	0.056998391	0.762583314
2.75	0.833	0.186	3.504	0.042748793	0.805332108
3.00	0.590	0.198	3.702	0.045506780	0.850838888
3.25	0.293	0.148	3.850	0.034015169	0.884854057
3.50	0.276	0.153	4.003	0.035164330	0.920018387
3.75	0.191	0.162	4.165	0.037232820	0.957251207
4.00	0.154	0.107	4.272	0.024592048	0.981843254
PAN	0.087	0.079	4.351	0.018156746	1.0

<b>TOTAL WT.</b>	94.552	grams
<b>DIGESTED WT.</b>	4.351	grams
<b>% SILICA</b>	4.602	

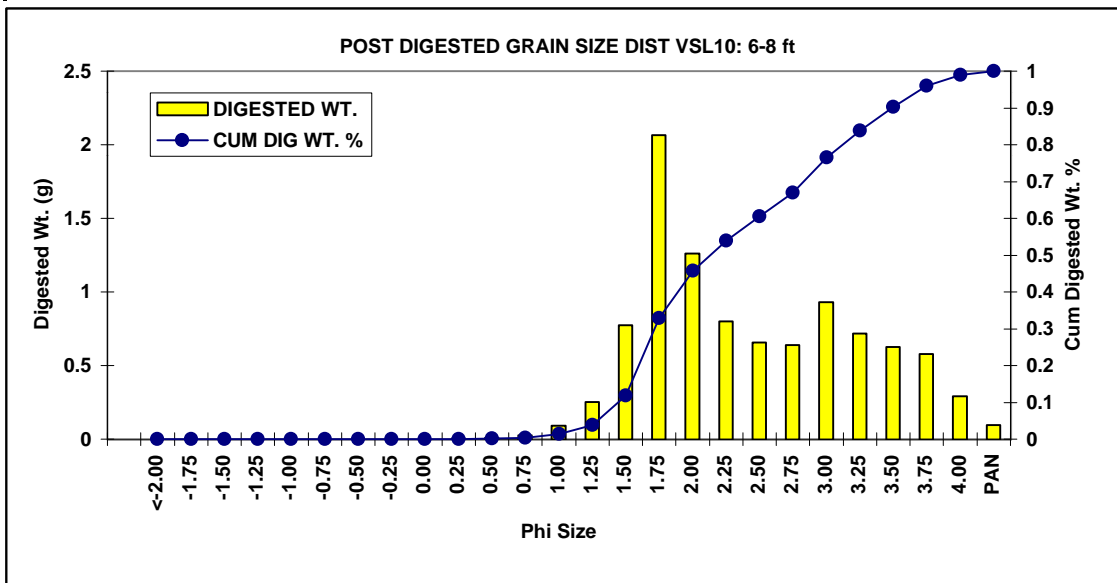


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL10 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.672	0.000	0.000	0.000000000	0.000000000
-1.75	0.074	0.000	0.000	0.000000000	0.000000000
-1.50	0.270	0.000	0.000	0.000000000	0.000000000
-1.25	0.303	0.000	0.000	0.000000000	0.000000000
-1.00	0.584	0.000	0.000	0.000000000	0.000000000
-0.75	0.838	0.000	0.000	0.000000000	0.000000000
-0.50	1.445	0.000	0.000	0.000000000	0.000000000
-0.25	2.069	0.000	0.000	0.000000000	0.000000000
0.00	2.544	0.000	0.000	0.000000000	0.000000000
0.25	4.399	0.004	0.004	0.000407415	0.000407415
0.50	5.650	0.009	0.013	0.000916684	0.001324099
0.75	7.692	0.028	0.041	0.002851905	0.004176003
1.00	11.233	0.091	0.132	0.009268690	0.013444693
1.25	12.872	0.252	0.384	0.025667142	0.039111835
1.50	10.732	0.776	1.160	0.079038501	0.118150336
1.75	12.090	2.064	3.224	0.210226115	0.328376451
2.00	7.264	1.262	4.486	0.128539417	0.456915869
2.25	5.156	0.801	5.287	0.081584844	0.538500713
2.50	4.556	0.657	5.944	0.066917906	0.605418619
2.75	3.411	0.638	6.582	0.064982685	0.670401304
3.00	2.929	0.929	7.511	0.094622123	0.765023426
3.25	1.481	0.719	8.230	0.073232838	0.838256264
3.50	1.211	0.625	8.855	0.063658586	0.901914850
3.75	0.591	0.578	9.433	0.058871461	0.960786311
4.00	0.302	0.291	9.724	0.029639438	0.990425749
PAN	0.114	0.094	9.818	0.009574251	1.0

**TOTAL WT.** 100.482 grams  
**DIGESTED WT.** 9.818 grams  
**% SILICA** 9.771

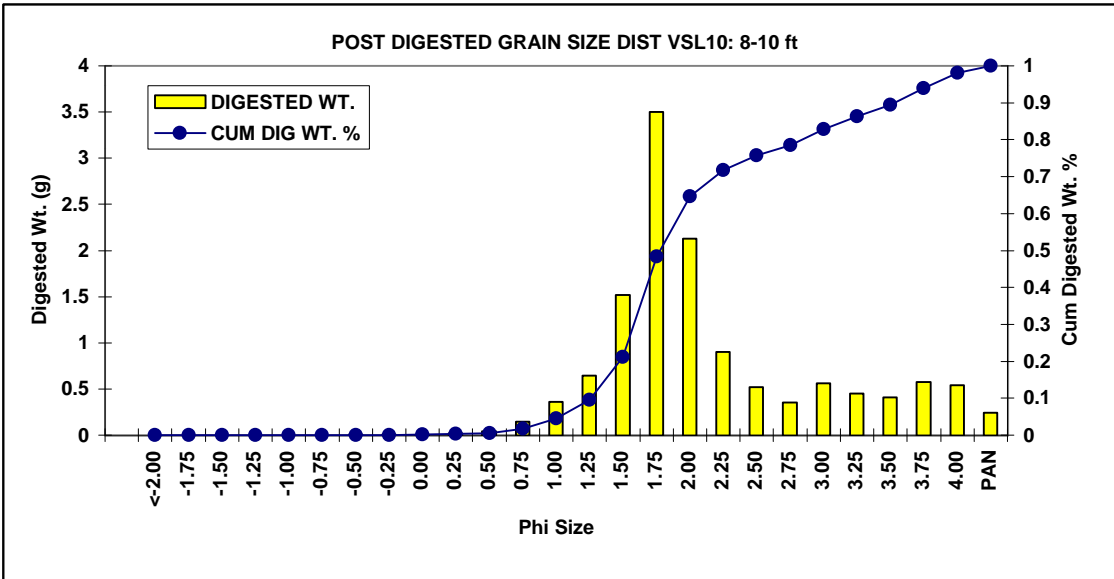


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL10 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	2.301	0.000	0.000	0.000000000	0.000000000
-1.75	0.392	0.000	0.000	0.000000000	0.000000000
-1.50	0.522	0.000	0.000	0.000000000	0.000000000
-1.25	0.737	0.000	0.000	0.000000000	0.000000000
-1.00	0.947	0.000	0.000	0.000000000	0.000000000
-0.75	1.187	0.000	0.000	0.000000000	0.000000000
-0.50	1.458	0.005	0.005	0.000386429	0.000386429
-0.25	1.800	0.004	0.009	0.000309143	0.000695572
0.00	2.171	0.008	0.017	0.000618286	0.001313857
0.25	3.794	0.020	0.037	0.001545715	0.002859572
0.50	5.059	0.039	0.076	0.003014143	0.005873715
0.75	7.443	0.146	0.222	0.011283716	0.017157431
1.00	11.691	0.361	0.583	0.027900147	0.045057578
1.25	14.884	0.647	1.230	0.050003864	0.095061442
1.50	13.308	1.517	2.747	0.117242445	0.212303887
1.75	16.403	3.499	6.246	0.270422753	0.482726640
2.00	9.962	2.128	8.374	0.164464023	0.647190664
2.25	5.624	0.901	9.275	0.069634439	0.716825102
2.50	3.612	0.517	9.792	0.039956720	0.756781822
2.75	2.112	0.357	10.149	0.027591004	0.784372826
3.00	1.612	0.563	10.712	0.043511863	0.827884690
3.25	0.873	0.451	11.163	0.034855862	0.862740552
3.50	0.769	0.410	11.573	0.031687147	0.894427699
3.75	0.620	0.578	12.151	0.044671149	0.939098848
4.00	0.574	0.544	12.695	0.042043435	0.981142283
PAN	0.256	0.244	12.939	0.018857717	1.0

**TOTAL WT.** 110.111 grams  
**DIGESTED WT.** 12.939 grams  
**% SILICA** 11.751

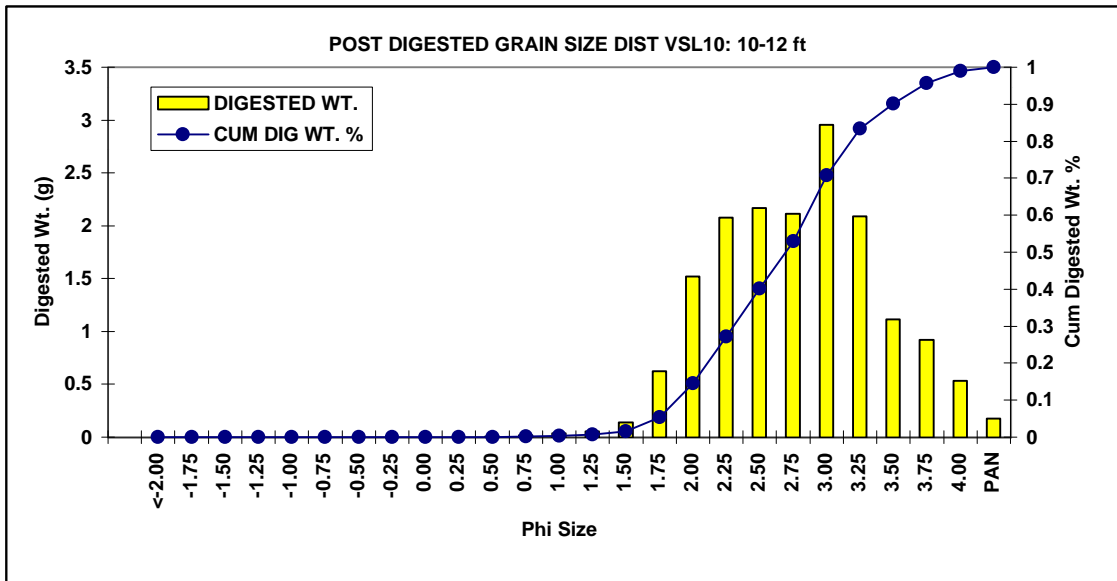


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL10 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.092	0.000	0.000	0.000000000	0.000000000
-1.75	0.096	0.000	0.000	0.000000000	0.000000000
-1.50	0.074	0.000	0.000	0.000000000	0.000000000
-1.25	0.062	0.000	0.000	0.000000000	0.000000000
-1.00	0.145	0.000	0.000	0.000000000	0.000000000
-0.75	0.159	0.000	0.000	0.000000000	0.000000000
-0.50	0.297	0.000	0.000	0.000000000	0.000000000
-0.25	0.389	0.000	0.000	0.000000000	0.000000000
0.00	0.413	0.000	0.000	0.000000000	0.000000000
0.25	0.636	0.000	0.000	0.000000000	0.000000000
0.50	0.812	0.004	0.004	0.000241706	0.000241706
0.75	1.145	0.020	0.024	0.001208532	0.001450239
1.00	1.841	0.039	0.063	0.002356638	0.003806877
1.25	2.274	0.054	0.117	0.003263037	0.007069914
1.50	2.467	0.139	0.256	0.008399299	0.015469213
1.75	5.252	0.625	0.881	0.037766632	0.053235845
2.00	7.605	1.520	2.401	0.091848450	0.145084295
2.25	11.238	2.080	4.481	0.125687353	0.270771648
2.50	14.562	2.165	6.646	0.130823615	0.401595263
2.75	11.762	2.115	8.761	0.127802284	0.529397547
3.00	9.282	2.957	11.718	0.178681491	0.708079038
3.25	4.086	2.088	13.806	0.126170766	0.834249804
3.50	2.407	1.114	14.920	0.067315246	0.901565049
3.75	0.997	0.921	15.841	0.055652910	0.957217959
4.00	0.554	0.531	16.372	0.032086531	0.989304490
PAN	0.181	0.177	16.549	0.010695510	1.0

**TOTAL WT.** 78.828 grams  
**DIGESTED WT.** 16.549 grams  
**% SILICA** 20.994

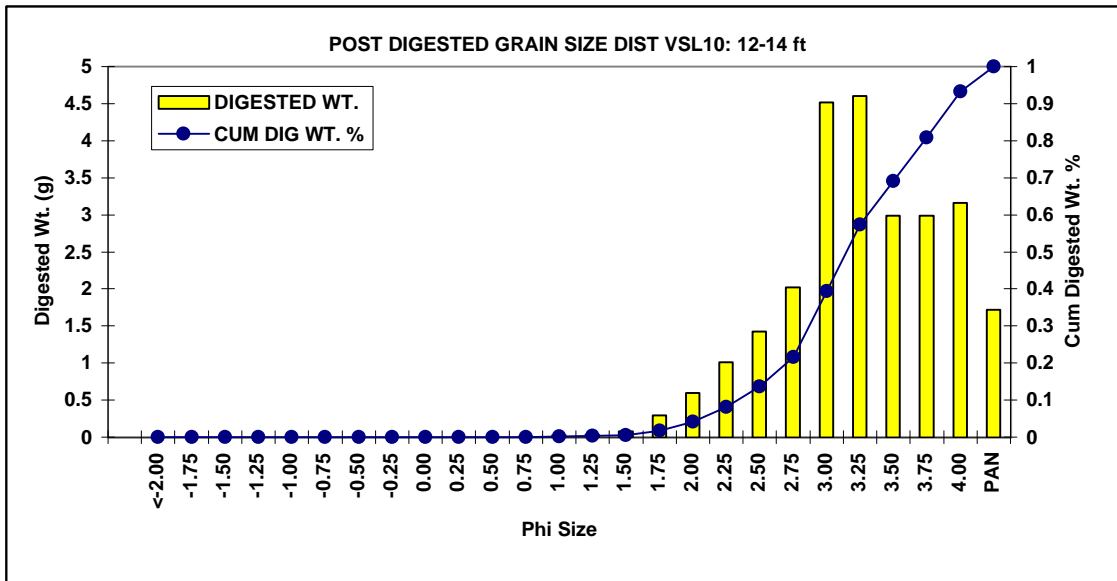


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL10 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.629	0.000	0.000	0.000000000	0.000000000
-1.75	0.039	0.000	0.000	0.000000000	0.000000000
-1.50	0.166	0.000	0.000	0.000000000	0.000000000
-1.25	0.087	0.000	0.000	0.000000000	0.000000000
-1.00	0.163	0.000	0.000	0.000000000	0.000000000
-0.75	0.256	0.000	0.000	0.000000000	0.000000000
-0.50	0.225	0.000	0.000	0.000000000	0.000000000
-0.25	0.405	0.000	0.000	0.000000000	0.000000000
0.00	0.492	0.000	0.000	0.000000000	0.000000000
0.25	0.852	0.000	0.000	0.000000000	0.000000000
0.50	0.955	0.002	0.002	0.000078487	0.000078487
0.75	1.224	0.012	0.014	0.000470921	0.000549407
1.00	1.875	0.025	0.039	0.000981085	0.001530492
1.25	2.224	0.032	0.071	0.001255788	0.002786281
1.50	2.531	0.079	0.150	0.003100228	0.005886508
1.75	4.735	0.293	0.443	0.011498313	0.017384821
2.00	6.183	0.600	1.043	0.023546032	0.040930853
2.25	8.836	1.012	2.055	0.039714308	0.080645161
2.50	12.763	1.422	3.477	0.055804097	0.136449258
2.75	13.223	2.022	5.499	0.079350130	0.215799388
3.00	14.166	4.520	10.019	0.177380111	0.393179499
3.25	8.909	4.606	14.625	0.180755043	0.573934542
3.50	6.374	2.988	17.613	0.117259242	0.691193784
3.75	3.484	2.985	20.598	0.117141512	0.808335296
4.00	3.621	3.163	23.761	0.124126835	0.932462130
PAN	2.208	1.721	25.482	0.067537870	1.0

**TOTAL WT.** 96.625 grams  
**DIGESTED WT.** 25.482 grams  
**% SILICA** 26.372

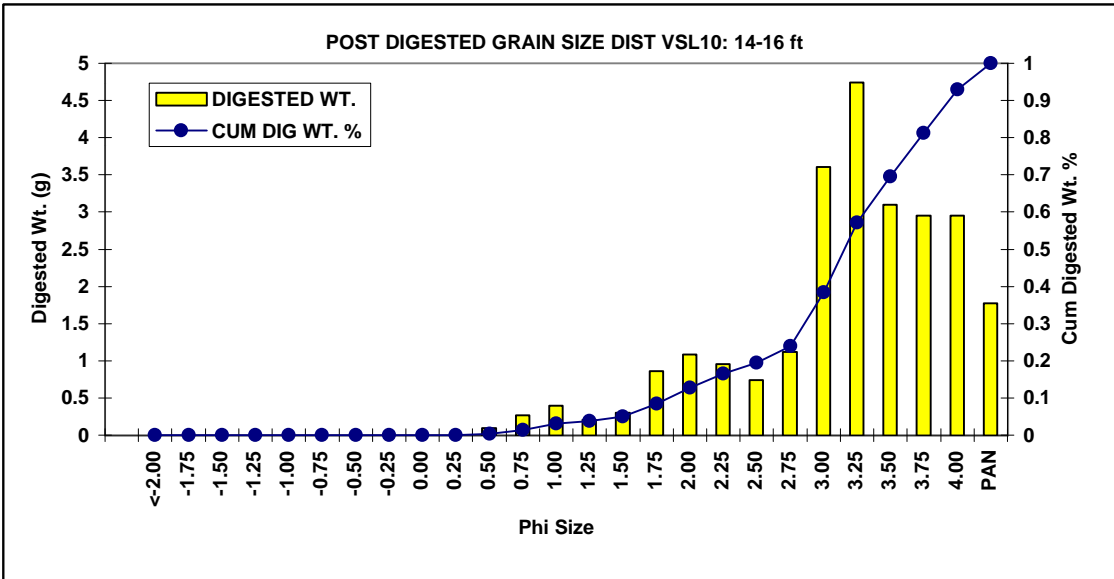


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

**CORE VSL10 : 14-16 ft**

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	7.615	0.000	0.000	0.000000000	0.000000000
-1.75	1.614	0.000	0.000	0.000000000	0.000000000
-1.50	1.847	0.000	0.000	0.000000000	0.000000000
-1.25	1.828	0.000	0.000	0.000000000	0.000000000
-1.00	2.200	0.000	0.000	0.000000000	0.000000000
-0.75	2.339	0.000	0.000	0.000000000	0.000000000
-0.50	2.699	0.000	0.000	0.000000000	0.000000000
-0.25	3.170	0.000	0.000	0.000000000	0.000000000
0.00	3.525	0.000	0.000	0.000000000	0.000000000
0.25	4.605	0.000	0.000	0.000000000	0.000000000
0.50	4.502	0.098	0.098	0.003896310	0.003896310
0.75	4.648	0.269	0.367	0.010694975	0.014591285
1.00	4.352	0.392	0.759	0.015585242	0.030176527
1.25	2.557	0.210	0.969	0.008349237	0.038525763
1.50	1.556	0.301	1.270	0.011967239	0.050493003
1.75	2.334	0.857	2.127	0.034072837	0.084565840
2.00	2.586	1.084	3.211	0.043097964	0.127663804
2.25	3.298	0.955	4.166	0.037969148	0.165632952
2.50	4.929	0.743	4.909	0.029540394	0.195173346
2.75	7.342	1.119	6.028	0.044489504	0.239662850
3.00	11.944	3.609	9.637	0.143487595	0.383150445
3.25	8.421	4.738	14.375	0.188374682	0.571525127
3.50	6.471	3.100	17.475	0.123250636	0.694775763
3.75	3.365	2.951	20.426	0.117326654	0.812102417
4.00	3.487	2.956	23.382	0.117525445	0.929627863
PAN	2.064	1.770	25.152	0.070372137	1.0

**TOTAL WT.** 105.298 grams  
**DIGESTED WT.** 25.152 grams  
**% SILICA** 23.886

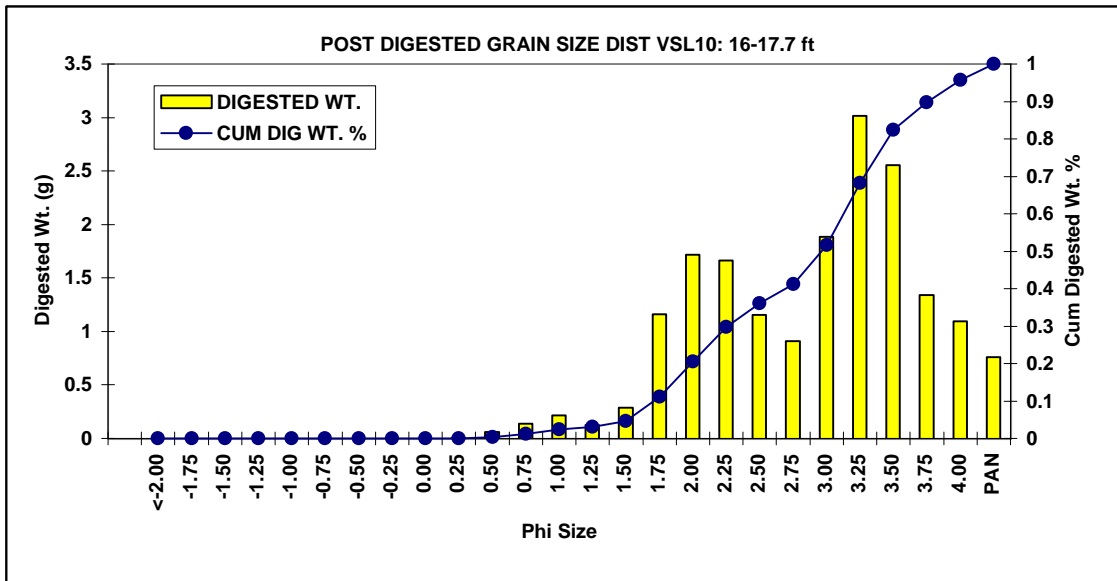


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

**CORE VSL10 : 16-17.7 ft**

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	17.614	0.000	0.000	0.000000000	0.000000000
-1.75	2.402	0.000	0.000	0.000000000	0.000000000
-1.50	3.695	0.000	0.000	0.000000000	0.000000000
-1.25	3.511	0.000	0.000	0.000000000	0.000000000
-1.00	3.094	0.000	0.000	0.000000000	0.000000000
-0.75	2.955	0.000	0.000	0.000000000	0.000000000
-0.50	3.471	0.000	0.000	0.000000000	0.000000000
-0.25	3.341	0.000	0.000	0.000000000	0.000000000
0.00	3.163	0.000	0.000	0.000000000	0.000000000
0.25	3.505	0.005	0.005	0.000276350	0.000276350
0.50	3.227	0.061	0.066	0.003371470	0.003647820
0.75	3.146	0.140	0.206	0.007737799	0.011385619
1.00	3.262	0.218	0.424	0.012048859	0.023434477
1.25	2.558	0.128	0.552	0.007074559	0.030509037
1.50	1.961	0.290	0.842	0.016028298	0.046537335
1.75	3.496	1.162	2.004	0.064223733	0.110761068
2.00	4.196	1.716	3.720	0.094843310	0.205604377
2.25	5.019	1.663	5.383	0.091914000	0.297518377
2.50	5.520	1.156	6.539	0.063892113	0.361410490
2.75	5.639	0.909	7.448	0.050240424	0.411650915
3.00	7.047	1.884	9.332	0.104128669	0.515779583
3.25	5.823	3.014	12.346	0.166583762	0.682363345
3.50	5.602	2.557	14.903	0.141325374	0.823688719
3.75	1.787	1.338	16.241	0.073951252	0.897639971
4.00	1.423	1.093	17.334	0.060410103	0.958050075
PAN	1.061	0.759	18.093	0.041949925	1.0

**TOTAL WT.** 107.518 grams  
**DIGESTED WT.** 18.093 grams  
**% SILICA** 16.828



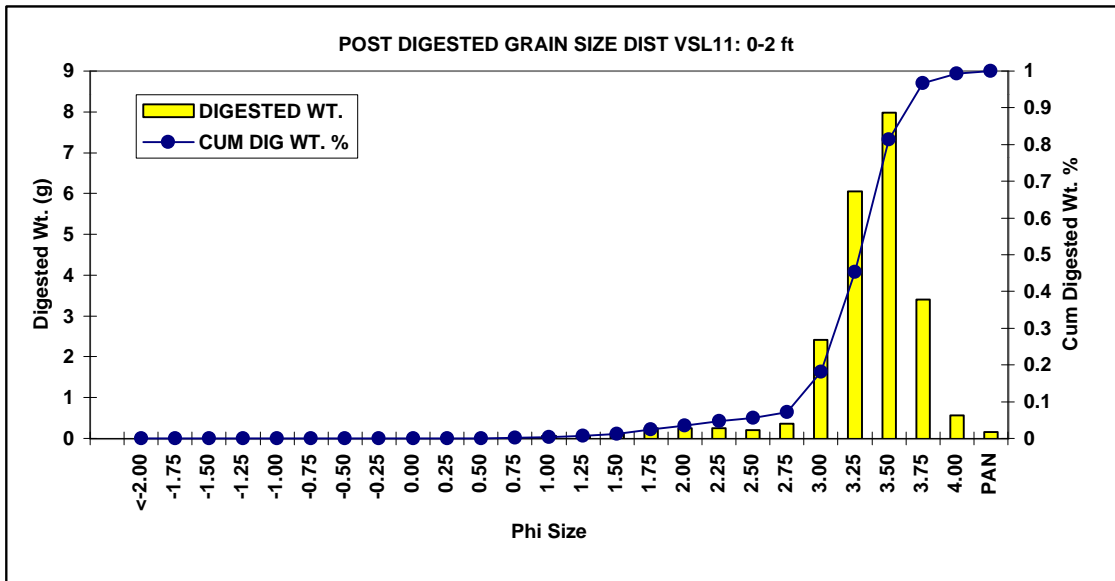


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL11 : 0-2 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	1.539	0.000	0.000	0.000000000	0.000000000
-1.75	0.758	0.000	0.000	0.000000000	0.000000000
-1.50	0.949	0.000	0.000	0.000000000	0.000000000
-1.25	1.216	0.000	0.000	0.000000000	0.000000000
-1.00	1.396	0.000	0.000	0.000000000	0.000000000
-0.75	1.577	0.000	0.000	0.000000000	0.000000000
-0.50	1.829	0.000	0.000	0.000000000	0.000000000
-0.25	1.653	0.000	0.000	0.000000000	0.000000000
0.00	1.497	0.000	0.000	0.000000000	0.000000000
0.25	1.949	0.002	0.002	0.000090281	0.000090281
0.50	1.813	0.007	0.009	0.000315984	0.000406266
0.75	1.838	0.023	0.032	0.001038234	0.001444500
1.00	2.177	0.059	0.091	0.002663296	0.004107796
1.25	1.910	0.069	0.160	0.003114702	0.007222498
1.50	1.445	0.129	0.289	0.005823139	0.013045637
1.75	1.937	0.244	0.533	0.011014310	0.024059947
2.00	1.782	0.247	0.780	0.011149731	0.035209678
2.25	2.016	0.246	1.026	0.011104591	0.046314269
2.50	2.398	0.198	1.224	0.008937841	0.055252110
2.75	3.367	0.353	1.577	0.015934636	0.071186747
3.00	7.520	2.420	3.997	0.109240283	0.180427030
3.25	10.202	6.056	10.053	0.273371552	0.453798583
3.50	14.710	7.979	18.032	0.360176951	0.813975534
3.75	4.048	3.403	21.435	0.153613506	0.967589040
4.00	0.970	0.567	22.002	0.025594728	0.993183767
PAN	0.350	0.151	22.153	0.006816233	1.0

**TOTAL WT.** 72.846 grams  
**DIGESTED WT.** 22.153 grams  
**% SILICA** 30.411

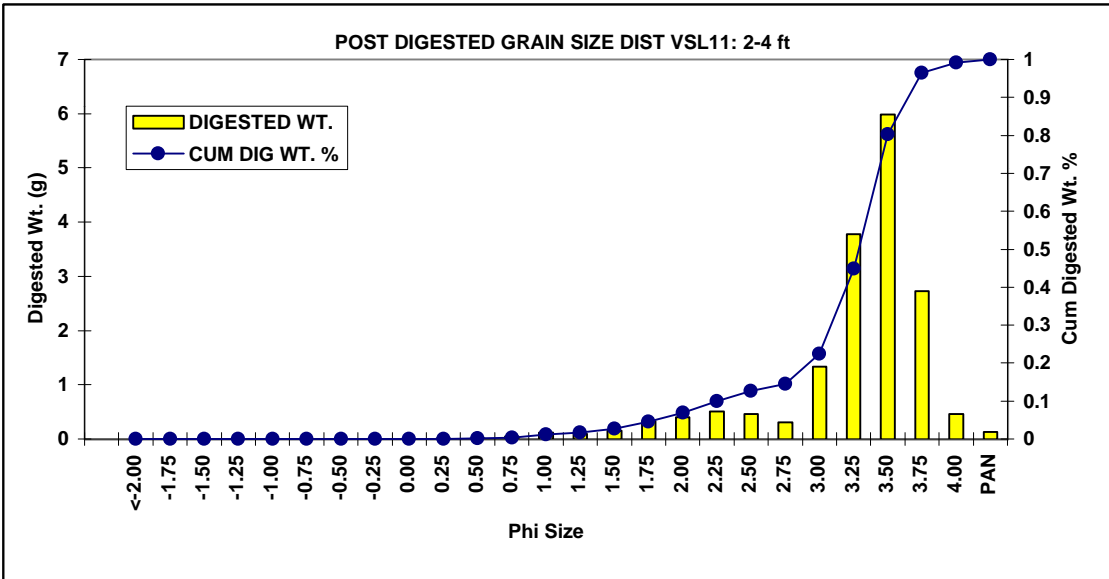


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL11 : 2-4 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	10.495	0.000	0.000	0.000000000	0.000000000
-1.75	0.760	0.000	0.000	0.000000000	0.000000000
-1.50	0.523	0.000	0.000	0.000000000	0.000000000
-1.25	0.526	0.000	0.000	0.000000000	0.000000000
-1.00	0.567	0.000	0.000	0.000000000	0.000000000
-0.75	0.557	0.000	0.000	0.000000000	0.000000000
-0.50	0.717	0.000	0.000	0.000000000	0.000000000
-0.25	1.084	0.000	0.000	0.000000000	0.000000000
0.00	1.211	0.000	0.000	0.000000000	0.000000000
0.25	1.557	0.006	0.006	0.000355619	0.000355619
0.50	1.612	0.017	0.023	0.001007587	0.001363205
0.75	1.809	0.044	0.067	0.002607871	0.003971076
1.00	2.370	0.123	0.190	0.007290185	0.011261261
1.25	2.240	0.098	0.288	0.005808440	0.017069701
1.50	1.931	0.157	0.445	0.009305358	0.026375059
1.75	3.161	0.325	0.770	0.019262684	0.045637743
2.00	3.739	0.403	1.173	0.023885728	0.069523471
2.25	4.747	0.508	1.681	0.030109056	0.099632527
2.50	6.037	0.458	2.139	0.027145567	0.126778094
2.75	7.132	0.312	2.451	0.018492176	0.145270270
3.00	10.324	1.337	3.788	0.079243717	0.224513988
3.25	9.111	3.783	7.571	0.224217639	0.448731626
3.50	11.085	5.981	13.552	0.354492651	0.803224277
3.75	3.184	2.724	16.276	0.161450925	0.964675202
4.00	1.017	0.461	16.737	0.027323376	0.991998578
PAN	0.563	0.135	16.872	0.008001422	1.0

**TOTAL WT.** 88.059 grams  
**DIGESTED WT.** 16.872 grams  
**% SILICA** 19.160

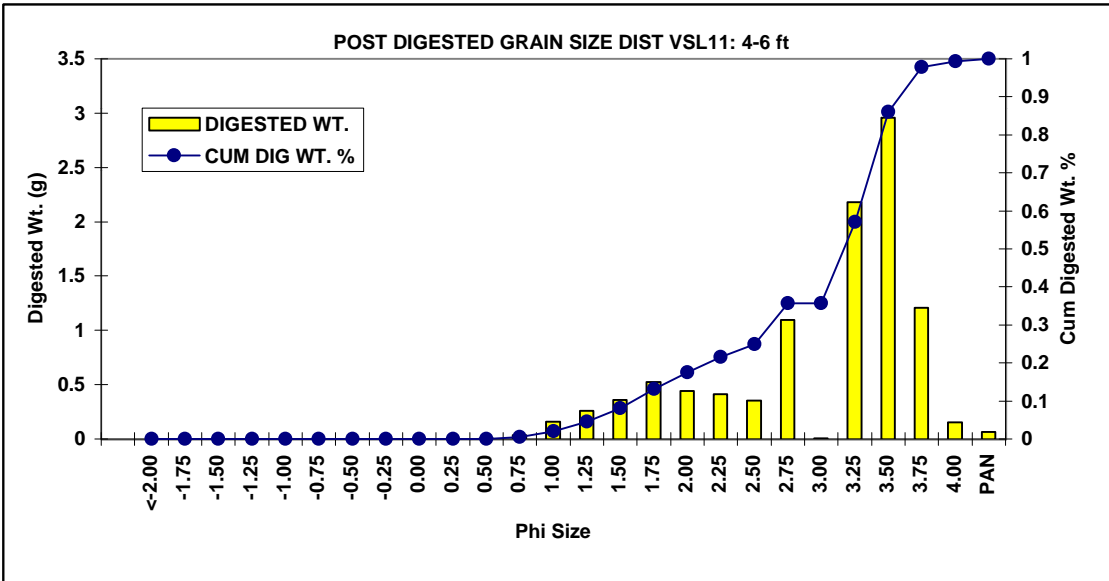


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL11 : 4-6 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	7.170	0.000	0.000	0.000000000	0.000000000
-1.75	1.342	0.000	0.000	0.000000000	0.000000000
-1.50	1.285	0.000	0.000	0.000000000	0.000000000
-1.25	1.221	0.000	0.000	0.000000000	0.000000000
-1.00	1.433	0.000	0.000	0.000000000	0.000000000
-0.75	1.735	0.000	0.000	0.000000000	0.000000000
-0.50	2.449	0.000	0.000	0.000000000	0.000000000
-0.25	2.993	0.000	0.000	0.000000000	0.000000000
0.00	2.767	0.000	0.000	0.000000000	0.000000000
0.25	3.582	0.001	0.001	0.000097847	0.000097847
0.50	3.763	0.007	0.008	0.000684932	0.000782779
0.75	4.100	0.036	0.044	0.003522505	0.004305284
1.00	5.058	0.157	0.201	0.015362035	0.019667319
1.25	4.615	0.258	0.459	0.025244618	0.044911937
1.50	3.216	0.361	0.820	0.035322896	0.080234834
1.75	3.608	0.523	1.343	0.051174168	0.131409002
2.00	3.017	0.443	1.786	0.043346380	0.174755382
2.25	3.175	0.415	2.201	0.040606654	0.215362035
2.50	3.483	0.352	2.553	0.034442270	0.249804305
2.75	3.975	1.098	3.651	0.107436399	0.357240705
3.00	6.068	0.003	3.654	0.000293542	0.357534247
3.25	5.752	2.183	5.837	0.213600783	0.571135029
3.50	5.731	2.958	8.795	0.289432485	0.860567515
3.75	1.400	1.208	10.003	0.118199609	0.978767123
4.00	0.436	0.154	10.157	0.015068493	0.993835616
PAN	0.287	0.063	10.220	0.006164384	1.0

<b>TOTAL WT.</b>	83.661	grams
<b>DIGESTED WT.</b>	10.220	grams
<b>% SILICA</b>	12.216	

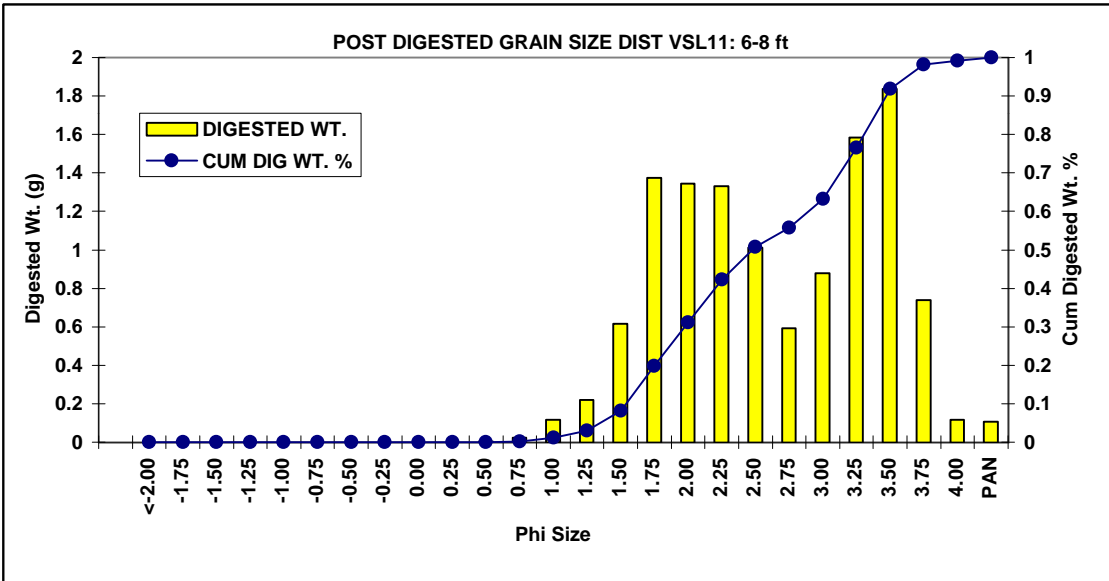


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL11 : 6-8 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	10.440	0.000	0.000	0.000000000	0.000000000
-1.75	0.410	0.000	0.000	0.000000000	0.000000000
-1.50	0.252	0.000	0.000	0.000000000	0.000000000
-1.25	0.286	0.000	0.000	0.000000000	0.000000000
-1.00	0.449	0.000	0.000	0.000000000	0.000000000
-0.75	0.520	0.000	0.000	0.000000000	0.000000000
-0.50	0.559	0.000	0.000	0.000000000	0.000000000
-0.25	0.660	0.000	0.000	0.000000000	0.000000000
0.00	1.073	0.000	0.000	0.000000000	0.000000000
0.25	1.755	0.000	0.000	0.000000000	0.000000000
0.50	2.407	0.003	0.003	0.000252355	0.000252355
0.75	3.311	0.022	0.025	0.001850606	0.002102961
1.00	4.898	0.116	0.141	0.009757739	0.011860700
1.25	5.766	0.218	0.359	0.018337820	0.030198520
1.50	5.450	0.616	0.975	0.051816958	0.082015478
1.75	7.756	1.376	2.351	0.115746972	0.197762450
2.00	7.577	1.345	3.696	0.113139300	0.310901750
2.25	8.023	1.331	5.027	0.111961642	0.422863392
2.50	8.158	1.011	6.038	0.085043742	0.507907133
2.75	7.000	0.593	6.631	0.049882234	0.557789367
3.00	7.623	0.877	7.508	0.073771871	0.631561238
3.25	5.627	1.583	9.091	0.133159489	0.764720727
3.50	4.561	1.837	10.928	0.154525572	0.919246299
3.75	1.109	0.738	11.666	0.062079408	0.981325707
4.00	0.324	0.116	11.782	0.009757739	0.991083445
PAN	0.382	0.106	11.888	0.008916555	1.0

**TOTAL WT.** 96.376 grams  
**DIGESTED WT.** 11.888 grams  
**% SILICA** 12.335

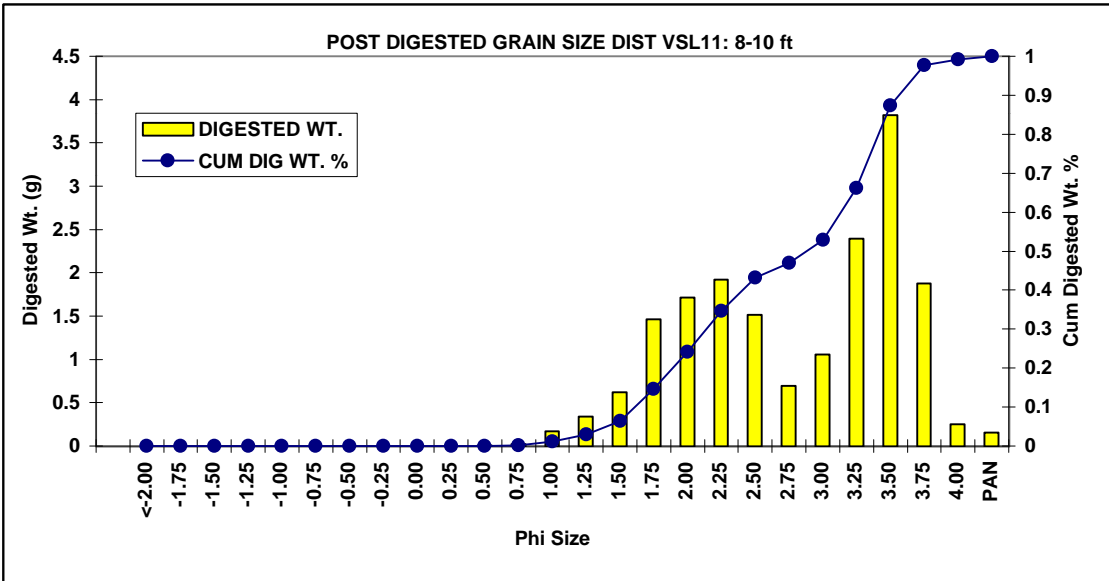


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL11 : 8-10 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	17.679	0.000	0.000	0.000000000	0.000000000
-1.75	0.398	0.000	0.000	0.000000000	0.000000000
-1.50	0.241	0.000	0.000	0.000000000	0.000000000
-1.25	0.209	0.000	0.000	0.000000000	0.000000000
-1.00	0.204	0.000	0.000	0.000000000	0.000000000
-0.75	0.190	0.000	0.000	0.000000000	0.000000000
-0.50	0.308	0.000	0.000	0.000000000	0.000000000
-0.25	0.418	0.000	0.000	0.000000000	0.000000000
0.00	0.634	0.000	0.000	0.000000000	0.000000000
0.25	1.157	0.000	0.000	0.000000000	0.000000000
0.50	1.763	0.005	0.005	0.000277485	0.000277485
0.75	2.732	0.020	0.025	0.001109940	0.001387424
1.00	4.713	0.169	0.194	0.009378989	0.010766413
1.25	6.075	0.341	0.535	0.018924469	0.029690882
1.50	6.136	0.620	1.155	0.034408125	0.064099007
1.75	9.939	1.465	2.620	0.081303069	0.145402076
2.00	10.894	1.715	4.335	0.095177313	0.240579388
2.25	12.487	1.921	6.256	0.106609690	0.347189078
2.50	11.745	1.513	7.769	0.083966924	0.431156002
2.75	8.361	0.691	8.460	0.038348410	0.469504412
3.00	8.122	1.060	9.520	0.058826794	0.528331206
3.25	7.383	2.392	11.912	0.132748765	0.661079971
3.50	9.278	3.823	15.735	0.212164937	0.873244908
3.75	2.579	1.877	17.612	0.104167823	0.977412731
4.00	0.606	0.250	17.862	0.013874244	0.991286975
PAN	0.718	0.157	18.019	0.008713025	1.0

**TOTAL WT.** 124.969 grams  
**DIGESTED WT.** 18.019 grams  
**% SILICA** 14.419

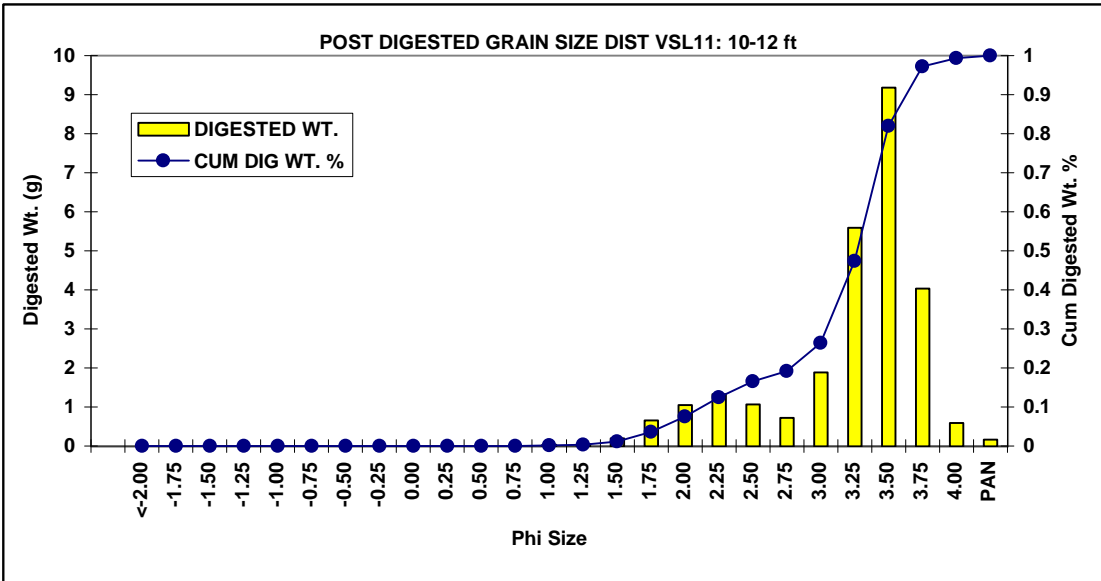


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL11 : 10-12 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	8.898	0.000	0.000	0.000000000	0.000000000
-1.75	0.794	0.000	0.000	0.000000000	0.000000000
-1.50	0.721	0.000	0.000	0.000000000	0.000000000
-1.25	0.631	0.000	0.000	0.000000000	0.000000000
-1.00	0.578	0.000	0.000	0.000000000	0.000000000
-0.75	0.616	0.000	0.000	0.000000000	0.000000000
-0.50	0.582	0.000	0.000	0.000000000	0.000000000
-0.25	0.558	0.000	0.000	0.000000000	0.000000000
0.00	0.621	0.000	0.000	0.000000000	0.000000000
0.25	0.771	0.000	0.000	0.000000000	0.000000000
0.50	0.803	0.000	0.000	0.000000000	0.000000000
0.75	1.038	0.005	0.005	0.000188218	0.000188218
1.00	1.649	0.031	0.036	0.001166949	0.001355167
1.25	2.158	0.053	0.089	0.001995106	0.003350273
1.50	2.615	0.200	0.289	0.007528703	0.010878976
1.75	4.308	0.659	0.948	0.024807077	0.035686053
2.00	4.789	1.051	1.999	0.039563335	0.075249388
2.25	5.962	1.321	3.320	0.049727085	0.124976473
2.50	6.934	1.072	4.392	0.040353849	0.165330322
2.75	6.882	0.717	5.109	0.026990401	0.192320723
3.00	9.452	1.887	6.996	0.071033315	0.263354037
3.25	11.468	5.586	12.582	0.210276680	0.473630717
3.50	19.015	9.187	21.769	0.345830981	0.819461698
3.75	6.029	4.035	25.804	0.151891587	0.971353284
4.00	1.328	0.593	26.397	0.022322605	0.993675889
PAN	0.703	0.168	26.565	0.006324111	1.0

<b>TOTAL WT.</b>	99.903	grams
<b>DIGESTED WT.</b>	26.565	grams
<b>% SILICA</b>	26.591	

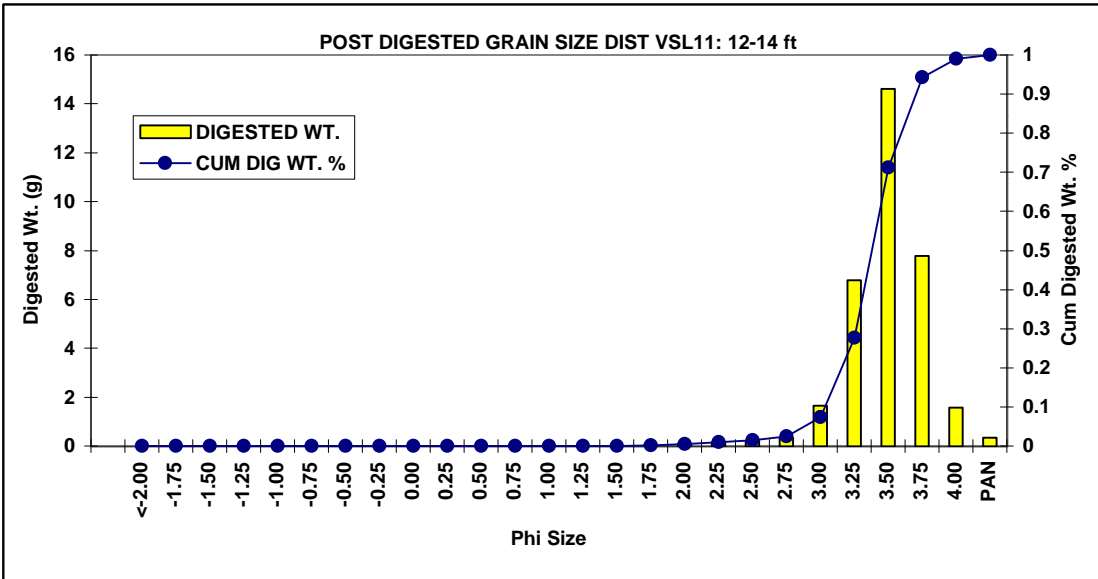


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL11 : 12-14 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	0.000	0.000	0.000	0.000000000	0.000000000
-1.75	0.000	0.000	0.000	0.000000000	0.000000000
-1.50	0.011	0.000	0.000	0.000000000	0.000000000
-1.25	0.000	0.000	0.000	0.000000000	0.000000000
-1.00	0.000	0.000	0.000	0.000000000	0.000000000
-0.75	0.004	0.000	0.000	0.000000000	0.000000000
-0.50	0.015	0.000	0.000	0.000000000	0.000000000
-0.25	0.017	0.000	0.000	0.000000000	0.000000000
0.00	0.027	0.000	0.000	0.000000000	0.000000000
0.25	0.029	0.000	0.000	0.000000000	0.000000000
0.50	0.053	0.000	0.000	0.000000000	0.000000000
0.75	0.085	0.003	0.003	0.000089312	0.000089312
1.00	0.166	0.002	0.005	0.000059542	0.000148854
1.25	0.279	0.002	0.007	0.000059542	0.000208395
1.50	0.406	0.011	0.018	0.000327478	0.000535874
1.75	0.832	0.040	0.058	0.001190831	0.001726704
2.00	1.156	0.095	0.153	0.002828223	0.004554927
2.25	1.900	0.152	0.305	0.004525156	0.009080083
2.50	3.172	0.199	0.504	0.005924382	0.015004466
2.75	4.912	0.338	0.842	0.010062519	0.025066984
3.00	9.324	1.653	2.495	0.049211075	0.074278059
3.25	14.495	6.792	9.287	0.202203037	0.276481096
3.50	28.584	14.619	23.906	0.435218815	0.711699911
3.75	10.665	7.772	31.678	0.231378386	0.943078297
4.00	2.772	1.575	33.253	0.046888955	0.989967252
PAN	0.838	0.337	33.590	0.010032748	1.0

**TOTAL WT.** 79.742 grams  
**DIGESTED WT.** 33.590 grams  
**% SILICA** 42.123

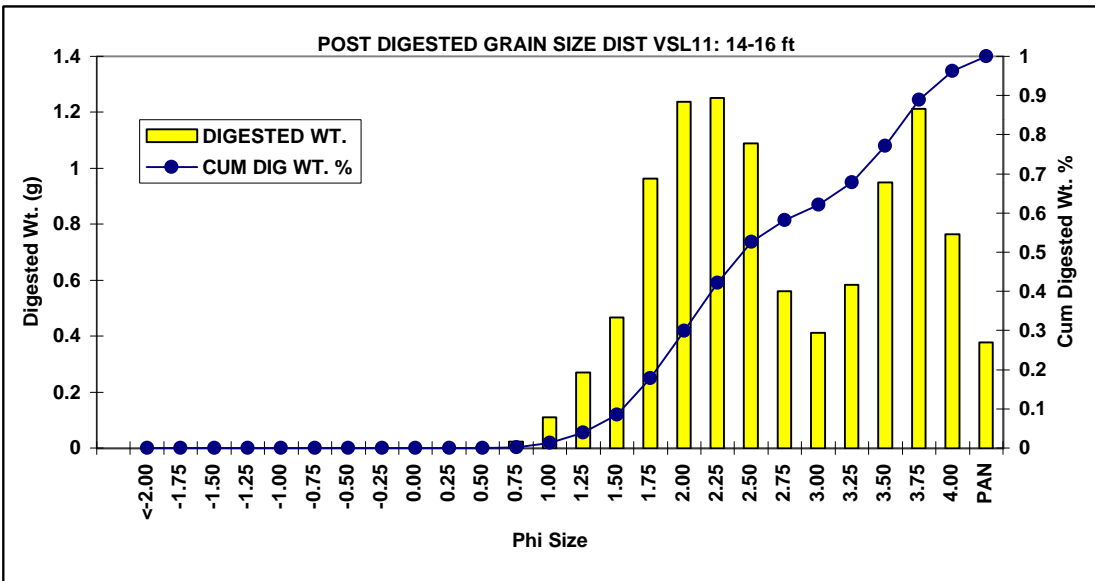


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL11 : 14-16 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	9.473	0.000	0.000	0.000000000	0.000000000
-1.75	0.954	0.000	0.000	0.000000000	0.000000000
-1.50	0.948	0.000	0.000	0.000000000	0.000000000
-1.25	0.930	0.000	0.000	0.000000000	0.000000000
-1.00	0.945	0.000	0.000	0.000000000	0.000000000
-0.75	0.883	0.000	0.000	0.000000000	0.000000000
-0.50	1.022	0.000	0.000	0.000000000	0.000000000
-0.25	1.153	0.000	0.000	0.000000000	0.000000000
0.00	1.308	0.000	0.000	0.000000000	0.000000000
0.25	1.965	0.000	0.000	0.000000000	0.000000000
0.50	2.244	0.003	0.003	0.000292056	0.000292056
0.75	2.776	0.022	0.025	0.002141745	0.002433801
1.00	3.822	0.110	0.135	0.010708723	0.013142523
1.25	3.991	0.270	0.405	0.026285047	0.039427570
1.50	3.528	0.466	0.871	0.045366044	0.084793614
1.75	4.810	0.964	1.835	0.093847352	0.178640966
2.00	4.870	1.237	3.072	0.120424455	0.299065421
2.25	5.341	1.252	4.324	0.121884735	0.420950156
2.50	5.652	1.088	5.412	0.105919003	0.526869159
2.75	4.147	0.561	5.973	0.054614486	0.581483645
3.00	2.735	0.412	6.385	0.040109034	0.621592679
3.25	1.677	0.583	6.968	0.056756231	0.678348910
3.50	2.334	0.950	7.918	0.092484424	0.770833333
3.75	2.159	1.213	9.131	0.118088006	0.888921340
4.00	1.514	0.763	9.894	0.074279595	0.963200935
PAN	1.032	0.378	10.272	0.036799065	1.0

**TOTAL WT.** 72.213 grams  
**DIGESTED WT.** 10.272 grams  
**% SILICA** 14.225



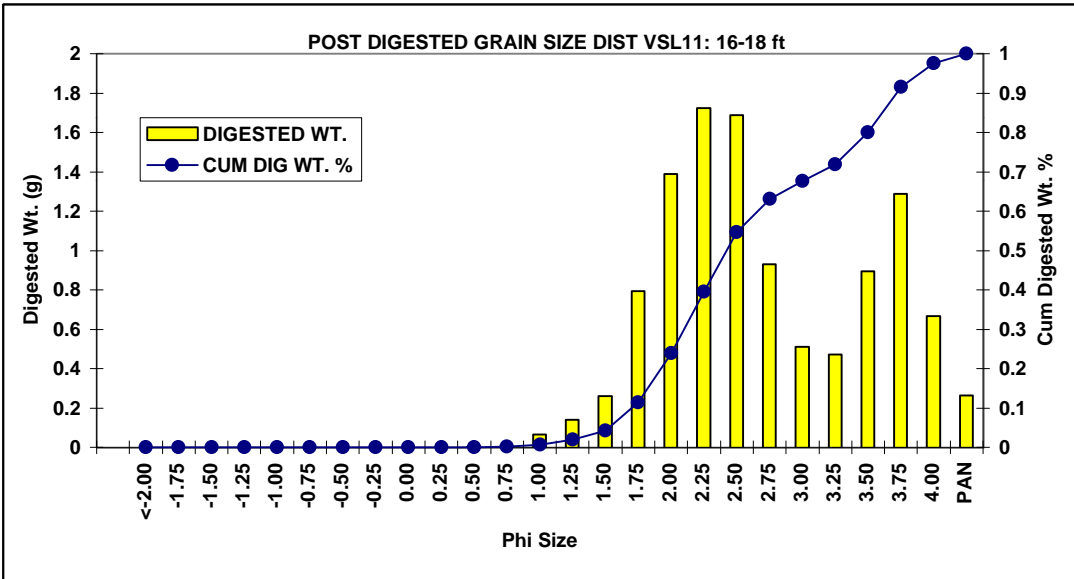


# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL11 : 16-18 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	5.219	0.000	0.000	0.000000000	0.000000000
-1.75	0.317	0.000	0.000	0.000000000	0.000000000
-1.50	0.656	0.000	0.000	0.000000000	0.000000000
-1.25	0.586	0.000	0.000	0.000000000	0.000000000
-1.00	0.778	0.000	0.000	0.000000000	0.000000000
-0.75	0.868	0.000	0.000	0.000000000	0.000000000
-0.50	0.965	0.000	0.000	0.000000000	0.000000000
-0.25	1.215	0.000	0.000	0.000000000	0.000000000
0.00	1.462	0.000	0.000	0.000000000	0.000000000
0.25	1.935	0.000	0.000	0.000000000	0.000000000
0.50	2.092	0.004	0.004	0.000360360	0.000360360
0.75	2.380	0.007	0.011	0.000630631	0.000990991
1.00	3.225	0.064	0.075	0.005765766	0.006756757
1.25	3.499	0.139	0.214	0.012522523	0.019279279
1.50	3.428	0.260	0.474	0.023423423	0.042702703
1.75	5.689	0.795	1.269	0.071621622	0.114324324
2.00	6.814	1.390	2.659	0.125225225	0.239549550
2.25	8.560	1.722	4.381	0.155135135	0.394684685
2.50	9.497	1.688	6.069	0.152072072	0.546756757
2.75	6.873	0.931	7.000	0.083873874	0.630630631
3.00	4.242	0.512	7.512	0.046126126	0.676756757
3.25	2.100	0.473	7.985	0.042612613	0.719369369
3.50	2.757	0.895	8.880	0.080630631	0.800000000
3.75	2.431	1.288	10.168	0.116036036	0.916036036
4.00	1.669	0.667	10.835	0.060090090	0.976126126
PAN	0.999	0.265	11.100	0.023873874	1.0

**TOTAL WT.** 80.256 grams  
**DIGESTED WT.** 11.100 grams  
**% SILICA** 13.831



# POST DIGESTION GRAIN SIZE DISTRIBUTION CHART

## CORE VSL11 : 18-19.9 ft

PHI SIZE	TOTAL WT.	DIGESTED WT.	CUM DIG WT.	DIGESTED WT. %	CUM DIG WT. %
<-2.00	2.109	0.000	0.000	0.000000000	0.000000000
-1.75	0.143	0.000	0.000	0.000000000	0.000000000
-1.50	0.274	0.000	0.000	0.000000000	0.000000000
-1.25	0.162	0.000	0.000	0.000000000	0.000000000
-1.00	0.138	0.000	0.000	0.000000000	0.000000000
-0.75	0.231	0.000	0.000	0.000000000	0.000000000
-0.50	0.206	0.000	0.000	0.000000000	0.000000000
-0.25	0.246	0.000	0.000	0.000000000	0.000000000
0.00	0.223	0.000	0.000	0.000000000	0.000000000
0.25	0.331	0.000	0.000	0.000000000	0.000000000
0.50	0.412	0.000	0.000	0.000000000	0.000000000
0.75	0.505	0.006	0.006	0.000455132	0.000455132
1.00	0.820	0.015	0.021	0.001137829	0.001592961
1.25	1.138	0.033	0.054	0.002503224	0.004096184
1.50	1.467	0.072	0.126	0.005461579	0.009557764
1.75	2.937	0.222	0.348	0.016839870	0.026397633
2.00	4.126	0.377	0.725	0.028597436	0.054995069
2.25	6.711	0.637	1.362	0.048319806	0.103314875
2.50	11.156	1.141	2.503	0.086550861	0.189865736
2.75	12.946	1.389	3.892	0.105362967	0.295228704
3.00	11.228	1.268	5.160	0.096184480	0.391413184
3.25	5.728	1.095	6.255	0.083061519	0.474474702
3.50	5.801	1.791	8.046	0.135856785	0.610331488
3.75	4.863	2.667	10.713	0.202306000	0.812637488
4.00	3.192	1.748	12.461	0.132595009	0.945232496
PAN	1.746	0.722	13.183	0.054767504	1.0

<b>TOTAL WT.</b>	78.839	grams
<b>DIGESTED WT.</b>	13.183	grams
<b>% SILICA</b>	16.721	

