

Rick Mystrom, Mayor

MOA Street Sediment Loading Assessment Data Report

Document No. WMP APr97001

MUNICIPALITY OF ANCHORAGE WATERSHED MANAGEMENT PROGRAM





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Document No.:	WMP APr97001

WMS Project No.: 95003

Prepared for: Watershed Management Section

Project Management and Engineering

Department of Public Works Municipality of Anchorage

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TABLE OF CONTENTS

1.	INTRODUCTION	1-1
2.	EXPLANATION OF DATA SUBMITTAL ELEMENTS	2-1
3.	PROJECT SUMMARY	3-1
	3.1 Project Summary	3-1
	3.2 VARIATIONS FROM DESIGN	
	3.2.1 Spatial Network Variations	
	3.2.2 Temporal Network Variations	
	3.2.3 Sampling Procedure Variations	
	3.3 NOTABLE FIELD OBSERVATIONS	
	3.4 Data Validation	
	3.4.1 On-site Inspections	
	3.4.2 Review of Field and Sieve Analysis Data	
4.	PROJECT DATA SUMMARY	4-1
	4.1 HEPA AND WET/DRY VACUUM DATA CORRELATION	
	4.2 Data Trends	
	4.3 Data Summaries By Particle Size Classification	4-2
5.	REFERENCES	5-1
	LIST OF PREPARERS	
o.	LIST OF PREPARERS	0-1

LIST OF FIGURES

- 1 Sampling Site Locations
- 2 Sampling Site Diagram
- 3 Field Observations
- 4 Correlation Analysis Between Results from Wet/Dry Vacuum and HEPA Vacuum

LIST OF TABLES

- 1 Sampling Site Locations and Dates
- 2 Correlation Analysis Between Results from Wet/Dry Vacuum and HEPA Vacuum
- 3 Total Sediment Unit Loads Summary
- 4 Air Suspendable Sediment Unit Loads Summary
- 5 Summary of Total Sediment Unit Loads (Wet/Dry Vacuum)
- 6 Summary of Air-Suspendable Sediment Unit Loads (Wet/Dry Vacuum)
- 7 Summary of OGS Treatable Sediment Unit Loads (Wet/Dry Vacuum)
- 8 Summary of Non-OGS Treatable Sediment Unit Loads (Wet/Dry Vacuum)
- 9 Summary of Total Sediment Unit Loads (HEPA Vacuum)
- 10 Summary of Air-Suspendable Sediment Unit Loads (HEPA Vacuum)

APPENDICES

Field Logs and Sediment Analysis Data Chain of Custody Reports

1. INTRODUCTION

The Municipality of Anchorage (MOA), Watershed Management Section (WMS), is currently studying oil and grit separators (OGS) to determine the feasibility of using these devices for removing coarse sediments, oily sheen, and free-phase oil from storm-water discharges at municipal outfalls. The goal of the current OGS study is to extrapolate pollutant mobilization predictions to all basins in the Anchorage bowl so feasibility of this type of urban storm-water treatment can be assessed area wide (Wheaton et al 1995). MOA street sediment loading rates are basic data for OGS assessment: direct measurement of street sediment loads is necessary for predictive model development.

The Air Quality Section (AQS) of the MOA Department of Health and Human Services has indicated that street sediment loading information would also be useful to them for producing an air quality emissions inventory and identifying specific sources of air particulate in the Anchorage area. Currently, the municipality estimates road silt emissions by applying a United States Environmental Protection Agency (USEPA) estimation method and non-MOA loading rates (USEPA 1995). The method requires, as base information, surface loading on trafficked parts of paved roads. Because street sediment loading rates for cities in more moderate climates are believed to be significantly lower than for Anchorage, loading data specific to MOA are necessary for accurate emission calculations.

Because of their shared interest, WMS and AQS worked jointly to design a street sediment loads assessment project [MOA Street Sediment Loading Assessment Design (Wheaton et al 1997)]. Montgomery Watson implemented this assessment project in 1996.

This report contains project data and associated documentation generated for the street sediment loads assessment effort. Individual results are included with limited tabular and graphical summaries.

2. EXPLANATION OF DATA SUBMITTAL ELEMENTS

This data submittal is divided into the following elements:

- Summary information about the field phase of the project are contained in Section 3.0, including a project summary, variations from the project design, notable field observations, and a data validation summary.
- Graphical and tabular summaries of the data are presented in Section 4.0 with brief descriptions.
- References are contained in Section 5.0.
- Sample analysis results and other primary documentation are contained in Appendices A and B. All project data have been entered into a project database which accompanies this document on a CD ROM. The database is composed of related tables: a parent table containing sampling site information (ROADSITE.DBF), and two child tables containing data for individual analyses (SEDDATA.DBF and AQDATA.DBF) and a look-up table defining terms (STRATA.DBF). Hardcopy printouts of each of these tables and definitions of each field are contained in Appendix A. Additional documentation including field note forms (primary field data), and chain-of-custody documentation are compiled in Appendix B.

All tables and figures identified in the text are presented immediately after Section 5.0.

3. PROJECT SUMMARY

The following sections present a project summary, variations from the project design, and results of data validation. These sections are intended to:

- Provide context for the reported data by summarizing assumptions and methods underlying the data collection effort.
- List and explain variations from planning documents.
- Document field observations that may be helpful in understanding project data.
- Identify data that do not meet project objectives.

Detailed descriptions of the project approach and sampling methods, and other project requirements may be found in the project design document.

3.1 Project Summary

The Street Sediment Loading Assessment was initiated to answer questions posed by AQS and WMS managers about the mass, character, spatial and temporal distribution, and sources of sediment on MOA streets. These data are necessary as input for modeling of OGS and air particulate emissions, and for refinement of street sweeping practices (Wheaton et al 1997).

Winter street sanding and vehicle trackout from unpaved alleys were identified in the project design as the major contributors to street sediment build-up to be studied. Based on MOA sanding practices, 33 sampling sites were selected at 18 controlled intersections to represent four major road types (Figure 1). The road types were derived from USEPA classifications based on average daily traffic (ADT) volume: local, collector, minor arterial, and major arterial/freeway. These categories are based on ADTs of ≤2,000; 2,000 - 10,000; 10,000 - 20,000; and ≥20,000, respectively. To assess sediment trackout from unpaved alleys, five "trackout" sites were identified where unpaved alleys intersected paved streets.

Sites located at controlled intersections were divided into "intersection" and "non-intersection" areas (Figure 2). Intersection areas include all street surfaces within 100 feet (30.5 meters) of the crossing street. Non-intersection areas include all surfaces from 100 to 200 feet (61 meters) of the crossing street. Trackout sites represent street surfaces on sampled roadways within a 30 feet (9 meter) zone centered about the intersecting unpaved alley. Near each trackout site, a "non-trackout" site was selected to provide control data for assessment of trackout effects. Non-trackout site dimensions were identical to the corresponding trackout sites but were located away from areas directly impacted by trackout sediment and street sand applied to controlled intersections.

Each street area (intersection, non-intersection, trackout) was divided into pavement strata representing "gutter" and "non-gutter" areas (Figure 2). Gutters were measured two feet into the street from the back of the raised curb, including the gutters created by raised medians. Non-gutter strata include all other street surfaces, excluding the tops of raised medians.

Three transects were established each intersection, non-intersection, and trackout area (Figure 2). Transects were typically six inches wide (0.15 meters) and extended gutter-to-gutter across the street. A single gutter and non-gutter sample was composited from the three transects within each area during each sampling round.

Samples for OGS assessment were collected from all sites using a wet/dry shop vacuum with a paper filter-bag. Samples used for air particulate emission calculations were sampled from nongutter strata only at a selected subset of sites using a high efficiency (HEPA) vacuum (Table 1). The HEPA vacuum used quartz-fiber filters rated to capture ≥99% of 0.0003 mm particles (determined by ASTM Method 2986). Collection of HEPA samples was necessary because of concerns that small particulate would pass through the wet/dry vacuum paper filter. HEPA samples serve as a basis for determining the correlation between data generated by the two sampling methods. Method correlation allows for the use of the larger wet/dry sample dataset in air quality calculations. Data correlation results are presented in Section 4.0.

Samples were collected in the early spring before street sweeping, mid to late spring immediately after street sweeping, and mid-summer (Table 1). Because determination of street sweeping efficiency is a project objective, sampling sites identified in the design document were excluded from the project if they were swept before sampling. Where possible, similar sites were substituted. The second sampling round occurred as soon as possible after street sweeping.

At the request of AQS, samples of dirt were collected from a trackout alley. Two wet/dry vacuum samples and one HEPA vacuum sample were collected from the unpaved alley adjacent to 15th east of Columbine by brushing the vacuum head lightly over the road surface. Only one transect across the entire alley was sampled.

All samples were analyzed for particle size distribution (sieve analysis) using ASTM method C136 with a wet wash (sieve sizes 38.1 mm, 19.0 mm, 9.5 mm, 4.76 mm, 2.00 mm, 0.84 mm, 0.42 mm, 0.149 mm, 0.105 mm, and 0.074 mm). Air quality samples were split prior to analysis and the unanalyzed portion was returned to AQS for further chemical/physical testing. Sediment loadings were calculated from transect area and sieve analysis data for the following sediment size classes:

- Total sediment load;
- OGS treatable load (≥ 0.10 mm);
- OGS non-treatable load (<0.10 mm); and
- Air-suspendable load (≤0.075 mm).

As noted above, hardcopy sieve analysis results are presented in Appendix A, with a digital copy of the data contained in the attached CD ROM. Data for samples collected using the HEPA vacuum are listed in the AQDATA database. Wet/dry vacuum collected samples are contained in the SEDDATA database. Site survey sketches for each sampling site and field notes for each sampling episode are contained in Appendix B. These field data are summarized in the ROADSITE database.

Data for the three alley dirt samples are presented as hard copy sieve analysis plots only (Appendix A).

3.2 VARIATIONS FROM DESIGN

Due to unforeseen circumstances, several aspects of the original project design were changed to meet field conditions. These variations include changes in where (spatial network), when (temporal network), and how (sampling procedures) samples were collected. The following sections itemize these changes.

3.2.1 Spatial Network Variations

Originally, 62 sites were selected for sample collection. Adjacent to 13 of these sites, trackout areas were selected for measurement of sediments transported to paved roads from adjacent unpaved alleys.

During the first sampling round, ice and water at many of the sampling sites prevented routine sample collection, increasing the time required at each site. In contrast, streets were rapidly swept by MOA street maintenance crews without regard to snow and ice. As a result, many of the sites originally identified in the design document were swept before sampling. Because prestreet sweeping data is critical to project objectives, those streets that were swept prior to sampling were eliminated from the assessment project. Where possible, similar unswept streets were substituted.

In all, 33 sites were selected (not including 36th east of New Seward which was inadvertently sampled). Five of the selected sites contain trackout areas (Table 1).

3.2.2 Temporal Network Variations

Five sampling periods were selected in the project design to measure end-of-winter sediment loads, street sweeping effects, summer sediment build-up rates, and periods of historically high air suspended particulate (Wheaton et al 1997):

- Pre-street sweeping (March 30 April 10);
- Post-street sweeping (April 10 early May);
- Early summer (late May to late June);
- Mid-summer (starting August 1); and
- Freeze-up (mid-October).

Due to budget limitations, the early summer round was eliminated. Because of early season snowfall, the mid-October sampling round was canceled.

Because of the project requirement for repeated sampling at established locations, only those sites sampled in round one were considered for sampling during subsequent rounds. The following bullets summarize exceptions to this requirement:

- In an effort to maximize the amount of data collected, ten sites were added during the third sampling round. Due to budget constraints, only gutters were sampled. These sites are identified in the NOTES field of the ROADSITE database.
- Because the adjacent unpaved alleys were frozen and therefore not contributing sediment to the street, trackout sites were not sampled during round one. Sampling at these sites occurred only during the third sampling round.
- At the following three sites, samples were not collected during all rounds:
 - King St. at Dimond Blvd. was not sampled during round one because of snow and ice cover.
 - 21st. Ave. and Blueberry was swept ahead of schedule, prior to the planned pre-sweep sampling date. The site was sampled during subsequent sampling rounds because it is part of a larger MOA sediment washoff data collection project requiring street sediment load data.
 - Northern Lights at Spenard was not sampled during round two. Because project objectives required sampling as soon as possible after street sweeping, field crews postponed sampling in anticipation that the site would be swept some time during the round two time frame. However, the second street sweeping event did not occur until the round three time frame.
 - 36th west of New Seward was not sampled during round one due to time constraints.

3.2.3 Sampling Procedure Variations

During round one, significant standing water and mud were encountered at 16 gutter sampling locations (eight sites). At sites with standing water, a square end shovel was used to scoop the sample into plastic garbage bags. Similarly, sites with dense mud were sampled with a broom and shovel. These alternate collection methods were used because paper filters were used in the wet/dry vacuum to trap the sample, and because the vacuum strength was not sufficient to effectively remove wet, sticky sediment from the road surface. Samples collected using these methods are identified in the "Notes" field of the project database. A list of the affected samples and the implications of these variant sampling methods are presented in Section 3.4.

3.3 Notable Field Observations

During sample collection, field crews observed several phenomena that influenced sediment distributions on the street surface. These observations are described below:

• Street sediment tends to concentrate in less traveled areas of the street. This process results in higher sediment loads in gutters, medians, and between lanes than in regions of the street that are directly traveled (Figure 3, Photo1). Sediment load stratification was

noted in street gutters during all sampling rounds, but was present on the trafficking surface primarily during round one.

- During street sweeping, municipal crews were required to sweep around parked cars, resulting in incomplete removal of street sediment in or near the gutter (Figure 3, Photo 2). Parked cars were most common in residential areas.
- An evenly distributed layer of fine sediment was noticeable on the trafficking surface after street sweeping and periods of moderate to strong wind. The sediment layer remaining after street sweeping tended to be most evident within approximately five to eight feet of the gutter (Figure 3, Photo 3). Wind transported particles formed an even layer over all surfaces (Figure 3, Photo 4).

3.4 Data Validation

Project data were validated to ensure consistency with the type, quality, and quantity of information identified in planning documents. Methods for validation include on-site inspections of field procedures and a comprehensive review of field and sieve analysis data.

3.4.1 On-site Inspections

Two on-site inspections were conducted by the project scientist on 3/21/96 (at Old Seward and 36th) and 4/16/96 (at 36th and New Seward) to assess compliance with approved sampling and documentation procedures. In both cases, simple observation of sampling techniques and documentation practices was used to verify compliance. Additionally, periodic spot checks of field data were performed as an on-going documentation check.

With the exception of the modified sampling procedures noted above and environmental complications encountered during round one (described below), no anomalies were either observed during the on-site audits or noted from field data reviews.

Standing water and ice were encountered at 16 gutter sampling locations during round one. Because normal sampling methods were not suitable for these conditions, sediment was collected using a shovel or broom and shovel. Some particle size data from these 16 samples are assumed to be biased low. This conclusion is based on the observation that a portion of the finer sediment remains in standing water or stuck to the asphalt after sampling with a shovel or broom. Although data collected from these sites is probably biased low, the effect of this bias on summary statistics and conclusions derived from the whole data set is believed to be negligible. Similarly, field observations suggest that a majority of the sample was collected, and the larger particle sizes may have been almost entirely recovered. Consequently, these results have been qualified, but not removed from the database. Samples collected using the modified sampling procedures are listed below and identified in the "Notes" field of the SEDDATA database.

	Road Type	Pavement	Sample	Collection
Site		Strata	Date	Method
13th east of Karluk	Local	IG, NIG	4/5/96	Shovel
15th east of Columbine	Local	IG, NIG	4/10/96	Shovel
16th east of Columbine	Local	IG, NIG	4/2/96	Shovel
9th east of Karluk	Collector	IG, NIG	4/5/96	Broom
Columbine north of 16th	Local	IG, NIG	4/2/96	Shovel
Columbine south of 15th	Local	IG, NIG	4/10/96	Broom
Karluk north of 13th	Collector	IG, NIG	4/5/96	Shovel
Karluk north of 9th	Collector	IG, NIG	4/5/96	Broom

IG - Intersection Gutter

NIG - Non-intersection Gutter

During sampling round one, gutter ice, damp street surfaces, and large sediment loads complicated sample collection. These complications included difficulty in chipping ice away from the sampling transects, recovering light to moderately wet sediment from the pavement surface, and overloading of the HEPA vacuum. Although these conditions were widely encountered, they generally did not preclude reasonable sample collection. However, when compared to the two subsequent sampling rounds, data from round one exhibits both increased variability and lower correlation between co-collected HEPA and wet/dry vacuum sample data. These data effects (described more fully in Section 4.0) are believed to be due largely to the environmental conditions encountered in round one. Because these conditions are inherent to sampling street sediment loads in the early spring, the data are considered less comparable than rounds two and three, but still valid.

3.4.2 Review of Field and Sieve Analysis Data

A comprehensive field data review was performed at the end of each sampling round by field crews. These reviews included verification of field notes and the accuracy of data transcription to the project database. At the conclusion of the field phase, the transfer of field data to the database was independently validated by an engineer not previously involved in the project.

Primary review of digital sieve analysis data was performed by the geotechnical laboratory, Rodney P. Kinney and Associates (RPKA) of Eagle River, Alaska. Although hardcopy sieve plots were provided by RPKA for some round one data, most data were requested and provided only in digital form. To validate the sieve data, sieve plots were created for those results transmitted only in digital form, and then all plots were reviewed to verify that the data were reasonable.

The possibility of erroneous data was also investigated by a review of field notes, site photos, and graphical displays of the data. Although some data points are outlyers (they do not fit the overall distribution of the data), none have been determined to be erroneous. It is important to note that the statistical tools used to summarize the data are non-parametric (e.g., medians), and therefore robust against the disproportionate influence of outlyers. Consequently, outlyers were not excluded from the dataset.

While coordinating sample collection dates and locations with DPW street maintenance, MOA street sweeping records were obtained and archived for future use in determining the elapsed time between street sweeping and sampling. Upon entering these data into the project database, it became apparent that the records were incomplete for some sampling locations. To fill these data gaps, missing street sweeping dates were estimated by Montgomery Watson based on best professional judgment. These estimated dates are qualified in the ROADSITE database with an "E" qualifier.

During review of the sieve analysis plots, it was noted that results were not received for the non-intersection, non-gutter sample collected 3/21/96 from 36th Ave. west of Old Seward (Sample 36NING032196). Conversations with the project laboratory indicated that the sample was lost during analysis. Data for all other requested sample analyses were received.

4. PROJECT DATA SUMMARY

Project data have been graphically and tabularly summarized to provide basic interpretive information about the sediment loads present on MOA streets during the spring and summer of 1996. Further data analysis is beyond the scope of this data report. The following sections describe basic sediment characteristics and their changes over time and space during the sample collection period. Referenced tables and graphs follow Section 5.0, References.

4.1 HEPA and Wet/Dry Vacuum Data Correlation

As noted in Section 3.0, the efficiency of air suspendable sediment recovery by the wet/dry vacuum was not known prior to the street sediment loads field effort. In the anticipation that data from the less expensive wet/dry vacuum sample collection may be used for air pollution modeling, samples were collected using both HEPA and wet/dry vacuums from side-by-side transect at approximately 25% of the sites to provide the basis for determining a method correlation. The correlation between the HEPA and wet/dry vacuums is graphically presented in Figure 4 for both total sediment and the air suspendable fraction (≤0.075 mm) of the sample. Table 2 presents the data used to determine the correlation, segregated by sampling round, and the resultant least squares regression curve fit.

Correlation analysis indicates that the HEPA vacuum was generally less efficient in collecting the air suspendable fraction (ASF) than the wet/dry vacuum, as shown by slopes of less than 1 (Table 2). With the exception of the ASF collected during round one, the correlation coefficients for all comparisons indicate a highly linear relationship ($r \ge 0.90$) between the HEPA and conventionally collected samples (Table 2). This linear relationship coupled with the correlation data suggest that the HEPA data may used with other project data to assess street sediment loads after adjustment to account for the lower collection efficiency.

4.2 Data Trends

This section presents data trend summaries for total and air-suspendable sediment collected by the wet/dry vacuum. Total loads are presented for entire road surface (gutter and non-gutter areas). Air suspendable loads are presented for only the trafficking surface because sediment in the gutter is considered by USEPA protocols to be unavailable for air suspension. Graphical and tabular summaries are shown for changes in sediment loads by sampling round (temporal change), road type and trackout area (spatial change), and street surface (spatial change).

Total Sediment Load (Table 3)

For total particulate unit loads decrease from sampling round one to three for all road types. Results also suggest that unit loads increase with increasing ADT for round one; however, this trend is not present for rounds two and three.

Trackout data suggest a significant increase in sediment contribution from unpaved alleys (99.6 g/m^2) when compared to non-trackout areas (27.5 g/m^2).

Intersection areas appear to have higher unit loads (418.7 g/m^2) than non-intersection areas (310.9 g/m^2) for round one data. This trend does not hold for rounds two and three.

<u>Air-suspendable Load (Table 3)</u>

Air-suspendable load differences between rounds one and two are relatively small for local streets (18.4 g/m 2 vs. 15.3 g/m 2) and collectors (9.4 g/m 2 v.s. 10.7 g/m 2). Differences between rounds one and two are more pronounced for high ADT streets (6.7 g/m 2 v.s. 1.3 g/m 2 for minor arterials and 20.4 g/m 2 v.s. 3.7 g/m 2 for major arterials). Round three loads are lower than round two for all road types. Trackout areas contained a higher air-suspendable load (6.9 g/m 2) than non-trackout areas (3.1 g/m 2).

Intersection areas (13.8 g/m 2) appear to have higher air-suspendable unit loads than non-intersection areas (4.7 g/m 2) for round one data. No clear trend emerges, however, for rounds two and three.

4.3 Data Summaries By Particle Size Classification

Tables 5 through 10 present median unit sediment loads by round and road type for all pavement strata (gutter and non-gutter areas), street surfaces (intersection and non-intersection areas), and track out areas. These data are presented in separate tables for each of the different particle size classes that have been identified as critical to the OGS assessment project and AQS: total (all particle sizes); air suspendable (≤ 0.074 mm); OGS treatable (≥ 0.10 mm); and OGS non-treatable (≤ 0.10 mm). Data from HEPA and wet/dry vacuum collected samples are segregated.

To provide a measure of variability and statistical reliability, the upper and lower quartiles, and number of data points used to determine each median are also listed.

Note that during sample analysis, a portion of the total sample was typically entrained in the wet/dry vacuum filter bag. This fraction was assumed to be ≤ 0.074 mm and was included in air-suspendable, total sediment, and OGS-nontreatable load calculations.

5. REFERENCES

- Wheaton, Scott R., Chris Brown, and Bill Spencer. 1995. *Design for Assessment of Oil and Grit Separators* (Final Draft). Prepared by Montgomery Watson. WMS Document Number APd95001. July. Amended January 1997.
- Wheaton, Scott R., Chris Brown, and Eric Gropp. 1997. MOA Street Sediment Loading Assessment Design (Draft). Prepared by Montgomery Watson. WMS Document Number APd96001. January.
- U.S. Environmental Protection Agency. 1995. *Compilation of Air Pollution Emissions Factors*, USEPA Report AP-42, Office of Air Quality Planning and Standards, Washington, D.C.

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Sample Locations
 Roads
 Waterways
 Waterways
 Rails

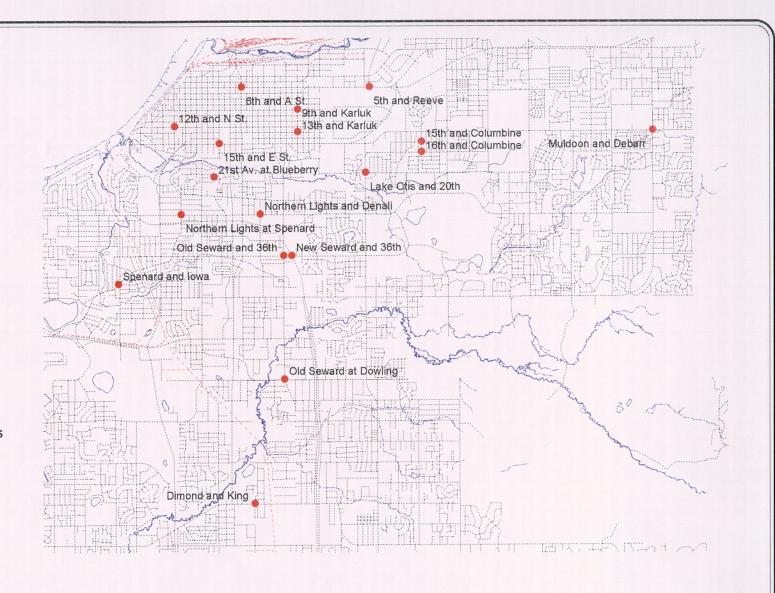
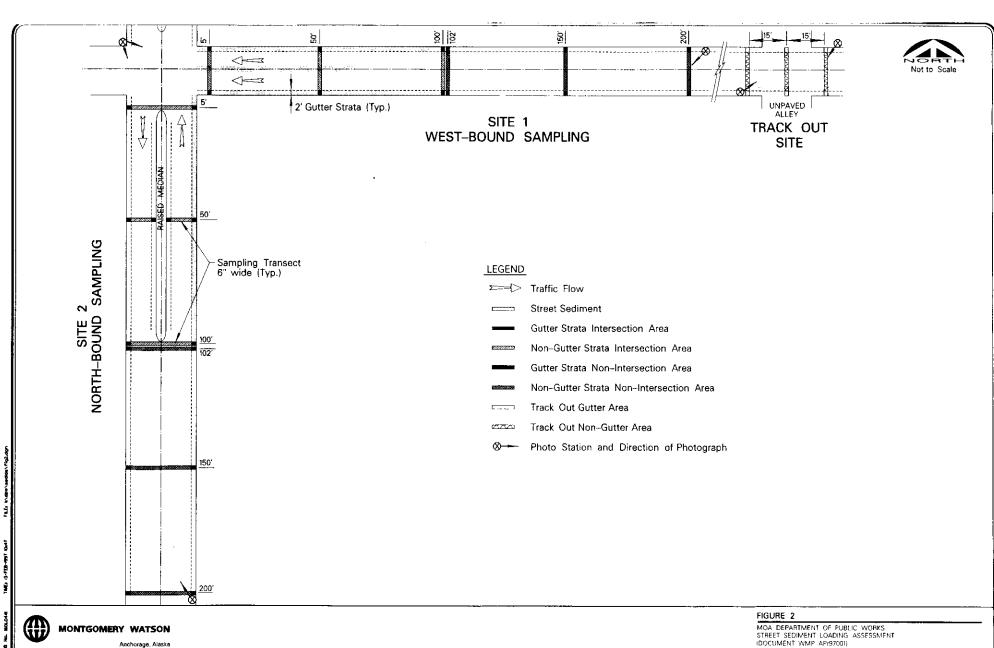




FIGURE 1

MOA DEPARTMENT OF PUBLIC WORKS STREET SEDIMENT LOADING ASSESSMENT (DOCUMENT WMP APr97001)

SAMPLING SITE LOCATIONS



SAMPLING SITE DIAGRAM



Photo 1 - 36th and Old Seward, 3/21/96.

Note sediment concentrated in gutter, median, and between lanes.



Photo 2 - 16th and Columbine, 4/23/96. Note unswept area due to parked cars.



Photo 3 - 9th Ave., 4/18/96. Note sampling transect visible in street sweeping residue.



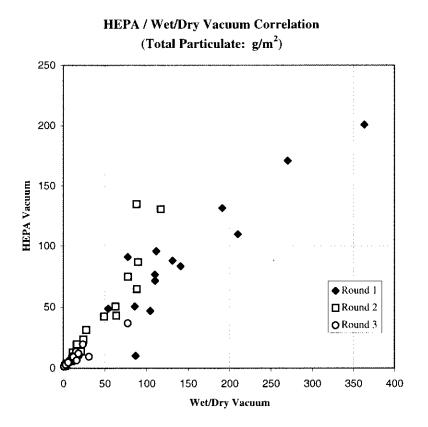
Photo 4 - Columbine and 15th, 4/25/96. Note sampling transect visible due to fine layer of wind blown dust.



FIGURE 3

MOA Department of Public Works Street Sediment Loading Assessment (Document WMP APr97001)

Field Observations



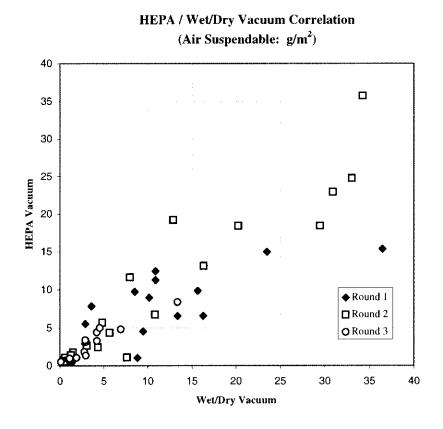


Table 1: Sampling Site Locations and Dates

		Sample	Collection Dates	s (1996)	
Sampling Site Location	Road Type	Round 1	Round 2	Round 3	Comments
12th east of N Street	Local	3/26	4/26	7/8	
13th east of Karluck	Local	4/5	4/24	7/9	08/08/1996 Trackout sampling.
15th east of Columbine	Local	4/10	4/25	8/6	08/06/1996 Trackout sampling.
16th east of Columbine	Local	4/2	4/23	8/6	08/06/1996 Trackout sampling.
21st and Blueberry	Local		5/22	8/12	Not sampled during round 1.
Columbine north of 16th	Local	4/2	4/23	8/6	
Columbine south of 15th	Local	4/10	4/25	8/6	
lowa north of Spenard	Local			7/24	Only gutters sampled.
N st. south of 12th	Local	3/26	4/26	7/8	
20th west of Lake Otis	Collector			8/7	Only gutters sampled.
9th east of Karluck	Collector	4/5	4/18	8/8	
Denali south of Northern Lights	Collector			7/26	Only gutters sampled.
E street north of 15th	Collector	3/27	4/25	8/7	
Karluck north of 13th	Collector	4/5	4/24	7/9	
Karluck north of 9th	Collector	4/5	4/18	8/8	08/08/1996 Trackout sampling.
King north of Dimond	Collector		4/25	7/16	Not sampled during round 1.
Reeve north of 5th	Collector	3/27	4/19	7/17	
15th east of E Street	Minor Arterial	3/27	4/25	8/7	
36th east of Old Seward	Minor Arterial		4/24		Sampled by mistake.
36th west of New Seward	Minor Arterial		4/16	7/16	Assume site swept three times.
36th west of Old Seward	Minor Arterial	3/21	4/24	7/17	Round 2 HEPA sampling on 04/25/96.
Old Seward south of 36th	Minor Arterial	3/21	4/24	7/17	Round 2 HEPA sampling on 04/25/96.
Old Seward south of Dowling	Minor Arterial	4/16	5/30	7/17	
Spenard east of Iowa	Minor Arterial			7/24	Only gutters sampled.
5th east of Reeve	Major Arterial	3/27	4/19	7/17	
6th west of A	Major Arterial			7/24	Only gutters sampled.
A street south of 6th	Major Arterial			7/26	Only gutters sampled. 07/26/96 Trackout sampling
Debarr west of Muldoon	Major Arterial			7/24	Only gutters sampled.
Dimond west of King	Major Arterial	3/22	4/19	7/16	
Lake Otis north of 20th	Major Arterial			8/7	Only gutters sampled.
Muldoon south of Debarr	Major Arterial			7/24	Only gutters sampled.
New Seward north of 36th	Major Arterial	3/20	4/16	7/16	
Northern Lights east of Denali	Major Arterial			7/26	Only gutters sampled.
Northern Lights east of Spenard	Major Arterial	3/22		7/26	Not sampled during round 2.

Note: Bolded dates indicate HEPA sampling in the trafficking areas coincidental with wet/dry sample collection.

Table 2: Correlation Analysis Between Results from Wet/Dry Vacuum and HEPA Vacuum

Values are g/m²

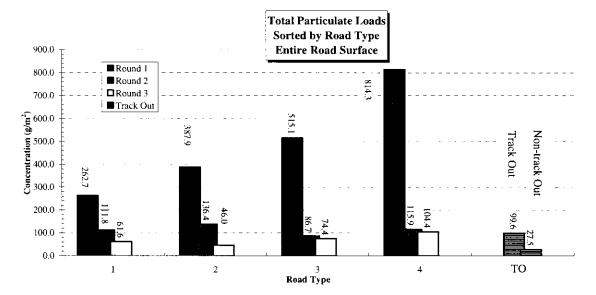
	Re	ound 1		Round 2				Round 3			
Tota	ıl	Air Suspe	ndable	Tota	al	Air Suspe	ndable	Total Air Susper			ndable
Wet/Dry Vac	HEPA	Wet/Dry Vac	HEPA	Wet/Dry Vac	HEPA	Wet/Dry Vac	HEPA	Wet/Dry Vac	HEPA	Wet/Dry Vac	HEPA
6.7	6.7	0.9	0.5	2.2	1.9	0.5	0.5	0.8	1.4	0.1	0.5
15.3	7.4	1.4	0.4	3.6	3.6	0.6	1.0	2.2	1.3	0.3	0.7
53.8	48.9	2.9	2.9	9.6	5.8	1.2	1.4	2.9	2.7	0.6	0.5
77.3	91.1	2.9	5.5	11.5	12.8	1.5	1.7	3.7	3.0	0.7	0.7
85.8	50.6	3.6	7.8	16.3	19.6	3.1	2.6	5.9	4.7	1.0	0.8
86.8	10.2	8.5	9.7	17.8	11.9	4.3	2.4	7.6	4.9	1.1	0.9
104.4	47.0	8.8	1.0	18.0	14.0	4.8	5.7	10.5	9.7	1.9	1.0
109.9	76.6	9.5	4.5	21.4	13.8	5.7	4.4	12.1	9.3	2.8	1.8
110.2	71.6	10.2	8.9	24.0	23.6	7.6	1.1	14.5	11.1	2.9	3.4
111.4	95.8	10.9	12.4	27.6	31.6	8.0	11.6	15.4	13.6	3.0	1.3
131.1	88.0	10.9	11.2	49,0	42.3	10.8	6.7	16.1	6.3	3.0	3.1
140.7	83.4	13.4	6.5	62.6	50.4	12.9	19.2	18.2	12.1	4.2	4.4
190.9	131.5	15.7	9.8	63.5	43.0	16.3	13.1	18.6	10.5	4.2	3.3
209.9	109.9	16.3	6.6	77.5	74.8	20.2	18.4	23.5	19.6	4.5	5.0
270.1	171.0	23.5	15.0	87.8	134.8	29.5	18.4	30.8	9.5	6.9	4.8
363.2	200.9	36.5	15.3	88.2	64.9	30.9	22.9	77.3	36.9	13.4	8.4
				89.6	86.8	33.0	24.8				
				117.0	130.7	34.2	35.7			!	
Slope	0.558	Slope	0.396	Slope	1.069	Slope	0.811	Slope	0.449	Slope	0.637
Y-Int	8.490	Y-Int	3.048	Y-Int	-4.190	Y-Int	0.504	Y-Int	2.495	Y-Int	0.532
2	0.870	r ²	0.571	r ²	0.875	r^2	0.870	r ²	0.875	r ²	0.890
Correl, Coeff.	0.870	Correl, Coeff.	0.756	Correl. Coeff.	0.936	Correl. Coeff.	0.933	Correl. Coeff.	0.875	Correl. Coeff.	0.943

All Rounds				
	Total	Air Suspendable		
Slope	0.608	0.691		
Y-Int	6.378	0.778		
r^2	0.850	0.792		
Correl. Coeff.	0.922	0.890		

Table 3: Total Sediment Unit Loads Summary (Median Values)

Values are in g/m²

Road	Sampling Round						
Type	1	2	3	TO	Roads		
1	262.7 (7)	111.8 (8)	61.6 (8)		115.9 (23)		
2	387.9 (5)	136.4 (6)	46.0 (6)		175.7 (17)		
3	515.1 (4)	86.7 (6)	74.4 (5)		136.5 (15)		
4	814.3 (4)	115.9 (3)	104.4 (5)		162.3 (12)		
Track Out				99.6 (5)	99.6 (5)		
Non Track Out				27.5 (5)	27.5 (5)		
All Rounds	431.1 (20)	109.5 (23)	65.2 (24)		136.5 (67)		



Summary	Table	(All	Street Areas	and Street	Surfaces)
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Dullinal y Pable (121	i Street Micas an	u bu cet built	iccs)	
Sampling	Inter-	Non-		All
Round	section	Inters.	TO	Roads
1	418.7 (20)	310.9 (18)		431.1 (20)
2	106.7 (23)	131.5 (23)		109.5 (23)
3	65.2 (23)	68.6 (23)		65.2 (24)
Track Out			99.6 (5)	99.6 (5)
Non Track Out			27.5 (5)	27.5 (5)
All Rounds	128.3 (66)	132.6 (64)		136.5 (67)

Note:

Road Types:

- 1 Local
- 2 Collector
- 3 Minor Aterial
- 4 Major Arterial
- TO Track Out / Non-track Out

Numbers in parentheses are the number of data points used to calculate the median values

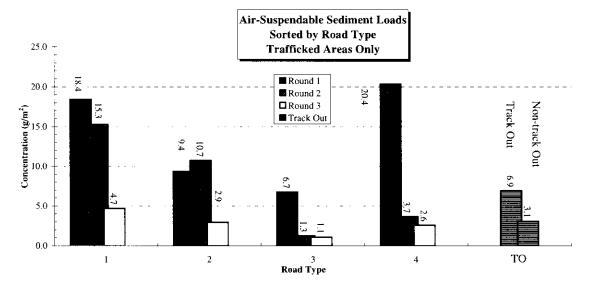
Track out and non-track out data are not included in the median values summarizing all road types and rounds.

Table 4: Air Suspendable Sediment (<74µm) Unit Loads Summary (Median Values)

Values are in g/m²

Summary Table (Trafficked Areas Only)

Road	Sa	mpling Rou		All	
Type	1	2	3	TO	Roads
1	18.4 (7)	15.3 (8)	4.7 (8)		10.5 (23)
2	9.4 (5)	10.7 (6)	2.9 (6)		6.9 (17)
3	6.7 (4)	1.3 (6)	1.1 (5)		1.5 (15)
4	20.4 (4)	3.7(3)	2.6(5)		4.7 (12)
Track Out				6.9 (5)	6.9 (5)
Non Track Out				3.1 (5)	3.1 (5)
All Rounds	10.1 (20)	7.0 (23)	3.4 (24)		5.7 (67)



Summary Table (Trafficked Areas Only)

Sampling	Inter-	Non-		All	
Round	section	Inters.	TO	Roads	
1	13.8 (20)	4.7 (18)		10.1 (20)	
2	7.6 (23)	7.3 (23)		7.0 (23)	
3	2.8 (23)	3.0 (23)		3.4 (24)	
Track Out			6.9 (5)	6.9 (5)	
Non Track Out			3.1 (5)	3.1 (5)	
All Rounds	7.3 (66)	4.4 (64)		5.7 (67)	

Note:

Road Types:

- l Local
- 2 Collector
- 3 Minor Aterial
- 4 Major Arterial
- TO Track Out / Non-track out

Numbers in parentheses are the number of data points used to calculate the median values

Track out and non-track out data are not included in the median values summarizing all road types and rounds.

Table 5: Summary of Sediment Unit Loads by Particle Size Classification, All Particle Sizes

(grams per square meter)

Lower Quartile / Median / Upper Quartile (Number of Data Points)

Road Type	Round	All Areas Gutter Only	All Areas Traffic Surface	All Areas Gutters and Traffic Surface	Intersection Traffic Surfaœ	Intersection Gutters and Traffic Surface	Non Intersection Traffic Surface	Non Intersection Gutters and Traffic Surface
1	1	883.9 1161.3 1630.9 (7)	140.7 190.2 211.0 (7)	252.6 262.7 470.7 (7)	169.6 253.9 316.7 (7)	261.5 314.4 544.1 (7)	98.0 137.0 150.8 (7)	220.4 256.4 355.6 (7)
1	2	252.2 528.9 596.7 (8)	39.1 57.4 71.6 (8)	84.5 111.8 159.2 (8)	38.0 54.1 83.5 (8)	70.3 113.1 151.3 (8)	38.3 58.0 61.2 (8)	78.7 120.7 177.6 (8)
1	3	288.1 365.3 442.2 (9)	19.3 26.7 37.8 (8)	54.8 61.6 74.6 (8)	12.9 21.1 32.3 (8)	30.7 40.8 78.8 (8)	18.2 29.6 38.1 (8)	56.6 68.6 79.9 (8)
2	1	1699.8 1932.1 2141.7 (5)	133.2 164.3 255.1 (5)	231.4 387.9 435.5 (5)	209.9 250.2 366.5 (5)	296.3 483.5 544.6 (5)	53.8 75.0 115.1 (5)	179.4 288.9 322.4 (5)
2	2	360.8 967.3 1870.1 (6)	24.7 67.5 98.7 (6)	48.9 136.4 308.8 (6)	23.0 44.5 87.8 (6)	50.5 142.4 214.7 (6)	26.5 43.0 117.0 (6)	48.9 126.6 418.5 (6)
2	3	199.3 616.8 1395.0 (8)	4.1 17.7 29.9 (6)	26.4 46.0 126.4 (6)	3.9 14.5 26.8 (6)	16.6 53.6 87.3 (6)	4.4 13.9 29.2 (6)	11.7 44.2 146.0 (6)
3	1	2583.8 2823.2 7713.1 (4)	47.6 65.9 106.4 (4)	361.5 515.1 758.4 (4)	68.1 94.4 121.2 (4)	262.4 336.8 741.9 (4)	22.5 29.7 58.3 (3)	452.7 647.7 1977.8 (4)
3	2	563.3 941.2 1431.4 (6)	6.8 8.4 18.5 (6)	66.9 86.7 136.8 (6)	9.6 11.7 17.4 (6)	62.7 64.4 128.3 (6)	2.2 5.3 10.4 (6)	70.7 106.1 145.4 (6)
3	3	205.4 662.4 1654.0 (6)	2.4 4.5 23.1 (5)	39.9 74.4 136.5 (5)	2.2 5.9 16.1 (5)	34.5 74.3 162.1 (5)	2.6 2.9 3.8 (5)	46.1 74.5 87.7 (5)
4	1	3315.9 4680.8 8066.7 (4)	94.7 303.6 722.9 (4)	333.0 814.3 1242.4 (4)	147.6 322.9 722.9 (4)	376.5 826.7 1242.4 (4)	6.7 58.3 109.9 (2)	176.3 305.2 434.1 (2)
4	2	1114.5 1181.0 1256.5 (3)	30.1 42.2 144.1 (3)	112.7 115.9 248.2 (3)	30.3 42.5 202.0 (3)	99.7 109.4 340.8 (3)	29.8 41.8 93.5 (3)	127.2 131.5 170.3 (3)
4	3	266.2 409.5 779.3 (10)	14.5 14.5 15.7 (5)	68.5 104.4 120.0 (5)	10.4 14.1 41.0 (4)	80.5 87.8 276.5 (5)	9.8 16.2 38.9 (4)	58.4 103.8 131.3 (5)

Area	Traffic Surface	Gutters and Traffic Surface	
Non Trackout	10.4 12.3 14.5 (5)	25.5 27.5 31.2 (5)	
Trackout	18.6 21.1 57.9 (5)	90.2 99.6 166.2 (5)	

Notes: "All Areas" group includes trackout and non trackout area data

Road Type 1: Local

Road Type 3: Minor Arterial

Road Type 2: Collector

Road Type 4: Major Arterial / Freeway

Document Number WMP APr97001

Table 6: Summary of Sediment Unit Loads by Particle Size Classification, Air Suspendable Particles (<0.074 mm)

(grams per square meter)

Lower Quartile / Median / Upper Quartile (Number of Data Points)

Road Type	Round	All Areas Gutter Only	All Areas Traffic Surface	All Areas Gutters and Traffic Surface	Intersection Traffic Surfaœ	Intersection Gutters and Traffic Surface	Non Intersection Traffic Surface	Non Intersection Gutters and Traffic Surface
1	1	105.7 150.1 239.8 (7)	10.7 18.4 24.3 (7)	27.0 37.1 57.8 (7)	12.7 18.7 30.0 (7)	25.4 40.4 66.6 (7)	8.8 13.4 21.1 (7)	27.0 37.2 48.8 (7)
1	2	108.9 144.7 199.7 (8)	8.8 15.3 26.1 (8)	27.7 31.3 56.8 (8)	7.7 14.7 28.3 (8)	23.0 32.1 54.0 (8)	9.7 15.8 24.2 (8)	27.7 35.6 59.5 (8)
1	3	74.9 84.8 105.8 (9)	3.5 4.7 8.8 (8)	13.2 14.9 18.5 (8)	2.8 3.4 9.4 (8)	7.2 11.1 15.9 (8)	4.2 4.9 6.1 (8)	13.1 17.2 23.7 (8)
2	1	125.0 196.3 202.2 (5)	8.1 9.4 17.3 (5)	23.1 29.3 31.6 (5)	11.9 15.7 24.9 (5)	21.6 25.4 35.5 (5)	2.9 4.0 9.0 (5)	24.9 27.7 37.4 (5)
2	2	95.9 177.9 265.3 (6)	6.0 10.7 14.1 (6)	13.6 26.9 40.2 (6)	7.0 8.8 14.4 (6)	16.3 28.0 34.8 (6)	4.1 8.9 12.9 (6)	10.9 24.1 50.0 (6)
2	3	41.7 128.2 207.0 (8)	1.4 2.9 4.9 (6)	3.4 9.1 20.6 (6)	1.4 2.8 5.9 (6)	4.0 8.3 14.4 (6)	0.9 2.3 6.2 (6)	2.2 10.8 30.5 (6)
3	1	378.3 412.7 936.8 (4)	2.7 6.7 9.8 (4)	47.0 71.0 95.1 (4)	4.6 9.7 10.9 (4)	34.0 47.8 88.9 (4)	0.9 1.4 5.1 (3)	58.0 78.9 270.0 (4)
3	2	97.1 128.9 197.2 (6)	0.9 1.3 3.2 (6)	11.2 14.3 18.3 (6)	1.2 1.5 3.7 (6)	8.8 12.3 15.6 (6)	0.5 0.8 1.5 (6)	10.4 17.4 22.7 (6)
3	3	37.1 107.5 205.4 (6)	0.5 1.1 2.4 (5)	6.6 12.5 20.8 (5)	0.6 1.1 1.9 (5)	5.8 11.6 19.2 (5)	0.8 1.0 1.0 (5)	7.5 13.4 13.6 (5)
4	1	407.5 473.0 917.0 (4)	5.3 20.4 49.1 (4)	29.0 62.6 119.0 (4)	9.8 21.9 49.1 (4)	23.7 61.7 119.0 (4)	0.9 2.3 3.6 (2)	29.1 32.0 34.9 (2)
4	2	182.9 195.3 259.3 (3)	3.6 3.7 30.3 (3)	15.9 18.7 60.2 (3)	3.2 3.3 36.0 (3)	13.7 15.3 74.8 (3)	4.1 4.3 25.5 (3)	18.5 22.6 47.4 (3)
4	3	63.5 72.6 132.0 (10)	1.9 2.6 5.7 (5)	6.3 19.2 30.3 (5)	1.2 2.1 7.0 (4)	9.1 11.0 72.5 (5)	1.2 2.4 8.3 (4)	6.3 28.4 39.1 (5)

Area	Traffic Surface	Gutters and Traffic Surface
Non Trackout	3.0 3.1 4.5 (5)	7.4 7.9 9.2 (5)
Trackout	4.0 6.9 12.4 (5)	22.5 26.3 36.5 (5)

Notes: "All Areas" group includes trackout and non trackout area data

Road Type 1: Local Road Type 2: Collector

Road Type 3: Minor Arterial

Road Type 4: Major Arterial / Freeway

Document Number WMP APr97001

Table 7: Summary of Sediment Unit Loads by Particle Size Classification, OGS Treatable Particles (> 0.10 mm)

(grams per square meter)

Lower Quartile / Median / Upper Quartile (Number of Data Points)

Road Type	Round	All Areas Gutter Only	All Areas Traffic Surface	All Areas Gutters and Traffic Surface	Intersection Traffic Surface	Intersection Gutters and Traffic Surface	Non Intersection Traffic Surface	Non Intersection Gutters and Traffic Surface
1	1	774.6 940.9 1253.0 (7)	124.2 171.4 194.4 (7)	212.3 244.0 383.0 (7)	155.7 246.4 286.3 (7)	231.1 296.7 462.0 (7)	83.5 121.4 133.4 (7)	191.9 214.4 300.4 (7)
1	2	138.2 324.4 389.4 (8)	25.2 36.8 46.5 (8)	50.7 77.9 92.5 (8)	28.4 32.0 52.2 (8)	48.6 68.1 95.8 (8)	24.2 34.8 41.8 (8)	44.8 80.5 107.8 (8)
1	3	183.1 279.1 345.2 (9)	13.1 21.8 29.2 (8)	37.1 42.2 59.7 (8)	9.5 14.0 24.4 (8)	21.1 27.8 60.1(8)	13.1 20.6 31.3 (8)	35.3 41.6 63.7 (8)
2	1	1540.8 1714.8 1907.2 (5)	121.8 154.5 234.4 (5)	206.5 352.7 397.8 (5)	191.0 235.6 337.6 (5)	267.2 456.4 502.5 (5)	50.3 70.2 104.8 (5)	153.1 245.3 289.2 (5)
2	2	244.7 729.8 1523.3 (6)	17.3 48.1 79.7 (6)	32.2 101.8 256.1 (6)	14.6 29.6 76.5 (6)	30.6 105.5 168.1 (6)	20.1 32.2 100.5 (6)	34.9 95.6 317.8 (6)
2	3	149.2 449.2 1096.7 (8)	3.2 13.5 21.3 (6)	18.0 36.8 89.0 (6)	2.9 11.3 18.9 (6)	11.7 42.5 68.1 (6)	3.5 11.2 21.4 (6)	9.2 31.5 105.1 (6)
3	1	2168.0 2352.8 6604.2 (4)	44.2 57.8 94.0 (4)	308.6 433.3 646.7 (4)	62.5 82.3 107.2 (4)	224.8 283.3 625.7 (4)	21.3 29.1 52.4 (3)	386.3 559.5 1670.7 (4)
3	2	362.4 732.7 1272.9 (6)	5.5 6.9 12.5 (6)	45.5 67.7 107.9 (6)	7.8 9.9 13.0 (6)	44.8 50.5 102.2 (6)	1.9 4.1 9.3 (6)	46.3 83.2 121.7 (6)
3	3	170.1 522.3 1200.4 (6)	1.8 3.3 20.3 (5)	31.4 58.3 102.6 (5)	1.9 4.6 13.9 (5)	27.0 59.0 134.7 (5)	1.6 1.9 2.7 (5)	36.4 57.6 70.4 (5)
4	1	2807.7 4099.5 7012.8 (4)	87.6 277.6 660.1 (4)	296.6 734.3 1099.5 (4)	134.8 295.0 660.1 (4)	346.2 748.0 1099.5 (4)	5.6 55.0 104.3 (2)	141.9 265.4 388.8 (2)
4	2	792.5 908.2 997.5 (3)	25.4 37.1 109.7 (3)	90.6 97.1 181.1 (3)	26.2 37.9 159.9 (3)	81.0 92.3 253.2 (3)	24.5 36.2 65.7 (3)	101.2 102.3 117.2 (3)
4	3	181.8 254.3 672.5 (10)	7.7 12.1 12.6 (5)	59.2 82.1 83.8 (5)	8.9 11.6 31.3 (4)	64.4 74.7 179.3 (5)	8.3 13.3 29.5 (4)	51.3 56.0 102.0 (5)

Area	Traffic Surface	Gutters and Traffic Surface
Non Trackout	7.8 8.8 10.9 (5)	12.0 16.7 21.0 (5)
Trackout	10.2 16.6 43.8 (5)	59.9 73.6 122.3 (5)

Notes: "All Areas" group includes trackout and non trackout area data

Road Type 1: Local Road Type 2: Collector

Road Type 3: Minor Arterial

Road Type 4: Major Arterial / Freeway

Document Number WMP APr97001

Table 8: Summary of Sediment Unit Loads by Particle Size Classification, Non-OGS Treatable Particles (< 0.10mm)

(grams per square meter)

Lower Quartile / Median / Upper Quartile (Number of Data Points)

Road Type	Round	All Areas Gutter Only	All Areas Traffic Surface	All Areas Gutters and Traffic Surface	Intersection Traffic Surface	Intersection Gutters and Traffic Surface	Non Intersection Traffic Surface	Non Intersection Gutters and Traffic Surface
1	1	114.0 162.1 248.7 (7)	12.2 18.8 26.6 (7)	30.0 40.5 61.2 (7)	13.8 20.9 31.1 (7)	28.1 43.7 70.9 (7)	9.7 15.6 23.5 (7)	30.3 42.0 51.1 (7)
1	2	124.1 174.1 237.8 (8)	10.1 18.1 30.4 (8)	32.5 37.4 66.7 (8)	9.2 17.8 33.6 (8)	27.9 38.2 63.4 (8)	11.0 18.3 27.7 (8)	32.7 41.3 68.4 (8)
1	3	97.0 104.7 158.4 (9)	4.3 5.7 10.0 (8)	16.2 18.1 21.3 (8)	3.4 4.2 10.8 (8)	8.7 13.9 18.7 (8)	5.1 5.8 7.3 (8)	16.2 21.0 27.3 (8)
2	1	158.9 217.4 234.6 (5)	9.8 11.3 20.7 (5)	24.9 35.2 37.7 (5)	14.6 18.9 28.9 (5)	27.1 29.1 42.1 (5)	3.5 4.8 10.3 (5)	26.3 33.2 43.6 (5)
2	2	116.1 237.6 346.8 (6)	7.5 13.8 19.0 (6)	16.7 34.6 52.8 (6)	8.4 11.7 17.8 (6)	19.9 36.9 46.6 (6)	5.6 11.2 16.4 (6)	14.1 31.0 62.7 (6)
2	3	50.1 167.6 298.3 (8)	1.4 3.7 6.1 (6)	4.0 11.4 29.2 (6)	1.6 3.3 7.9 (6)	4.9 11.2 19.1 (6)	0.9 2.7 7.7 (6)	2.5 12.6 40.9 (6)
3	1	415.9 470.4 1109.0 (4)	3.5 8.3 12.4 (4)	52.9 81.8 111.7 (4)	5.6 12.0 14.0 (4)	37.6 53.6 116.2 (4)	1.2 1.7 6.4 (3)	66.3 88.1 307.1 (4)
3	2	137.7 179.7 279.2 (6)	1.3 1.5 4.6 (6)	15.9 19.1 24.4 (6)	1.7 1.9 4.4 (6)	11.2 17.3 22.2 (6)	0.6 0.9 1.7 (6)	14.8 23.1 28.5 (6)
3	3	44.3 140.1 299.0 (6)	0.6 1.2 2.8 (5)	8.5 16.1 29.6 (5)	0.7 1.3 2.1 (5)	7.5 15.4 27.4 (5)	1.0 1.0 1.1 (5)	9.6 16.9 17.3 (5)
4	1	508.2 581.3 1053.9 (4)	7.1 26.0 62.8 (4)	36.3 80.0 142.9 (4)	12.8 27.9 62.8 (4)	30.3 78.8 142.9 (4)	1.1 3.3 5.6 (2)	34.4 39.8 45.3 (2)
4	2	259.0 272.7 321.9 (3)	4.7 5.1 34.4 (3)	22.1 25.4 70.3 (3)	4.1 4.6 42.1 (3)	18.6 20.1 89.1 (3)	5.3 5.6 27.8 (3)	26.0 31.3 54.2 (3)
4	3	84.5 98.2 196.5 (10)	2.4 3.1 6.8 (5)	9.2 22.4 36.2 (5)	1.6 2.6 9.7 (4)	13.1 16.2 97.1 (5)	1.4 2.9 9.6 (4)	8.0 29.3 47.8 (5)

Area	Traffic Surface	Gutters and Traffic Surface	
Non Trackout	3.5 3.5 5.4 (5)	8.3 10.2 10.8 (5)	
Trackout	4.5 8.3 14.1 (5)	26.0 30.2 42.3 (5)	

Notes: "All Areas" group includes trackout and non trackout area data

Road Type 1: Local

Road Type 3: Minor Arterial

Road Type 2: Collector

Road Type 4: Major Arterial / Freeway

Document Number WMP APr97001

Table 9: Summary of Sediment Unit Loads by Particle Size Classification, **All Particle Sizes**

(HEPA Samples)

(grams per square meter)

Lower Quartile / Median / Upper Quartile (Number of Data Points)

Road Type	Round	All Areas Traffic Surface	Intersection Traffic Surface	Non Intersection Traffic Surface	
1	1	120.8 123.0 125.2 (2)	170.6 185.4 200.2 (2)	50.1 60.6 71.1 (2)	
1	2	35.6 51.0 65.5 (4)	30.8 58.4 80.4 (4)	36.6 46.1 57.3 (4)	
1	3	9.7 13.4 17.0 (2)	8.4 10.3 12.3 (2)	11.1 14.6 18.2 (2)	
2	1	79.8 79.8 79.8 (1)	109.8 109.8 109.8 (1)	48.7 48.7 48.7 (1)	
2	2	133.1 133.1 133.1 (1)	134.6 134.6 134.6 (1)	130.4 130.4 130.4 (1)	
3	1	35.4 45.8 65.7 (3)	89.3 90.9 93.2 (3)	8.7 10.0 46.5 (3)	
3	2	5.0 5.7 13.8 (3)	9.2 12.6 15.0 (3)	2.7 3.5 16.3 (3)	
3	3	2.3 3.5 5.5 (3)	2.7 4.5 5.2 (3)	1.8 2.5 5.7 (3)	
4	1	27.0 66.0 105.1 (2)	46.8 89.0 131.2 (2)	6.5 41.5 76.5 (2)	
4	2	12.9 12.9 12.9 (1)	13.8 13.8 13.8 (1)	11.8 11.8 11.8(1)	
4	3	3.5 5.7 8.0 (2)	4.4 4.4 4.4 (1)	2.5 2.5 2.5 (1)	

Area	Traffic Surfaœ
Non Trackout	7.5 8.9 10.2 (2)
Trackout	8.4 21.8 35.1 (2)

"All Areas" group includes trackout and non trackout area data Road Type 1: Local Road Type 3: Minor Arterial

Road Type 2: Collector Road Type 4: Major Arterial / Freeway

Table 10: Summary of Sediment Unit Loads by Particle Size Classification, Air Suspendable Particles (<0.074 mm)

(HEPA Samples)

(grams per square meter)

Lower Quartile / Median / Upper Quartile (Number of Data Points)

Road Type	Round	All Areas Traffic Surface	Intersection Traffic Surface	Non Intersection Traffic Surface
1	1	10.3 10.3 10.3 (2)	14.5 14.6 14.6 (2)	6.0 6.1 6.1 (2)
1	2	9.8 17.6 25.0 (4)	11.6 18.0 26.6 (4)	8.4 17.7 23.4 (4)
1	3	1.6 2.4 3.2 (2)	0.9 1.5 2.1(2)	2.3 2.7 3.0 (2)
2	1	6.4 6.4 6.4 (1)	9.8 9.8 9.8(1)	2.8 2.8 2.8 (1)
2	2	14.1 14.1 14.1 (1)	11.4 11.4 11.4 (1)	18.9 18.9 18.9 (1)
3	1	3.7 4.7 6.6 (3)	10.3 11.1 11.6 (3)	0.6 0.9 3.0 (3)
3	2	1.0 1.1 4.3 (3)	1.4 1.6 3.1 (3)	0.7 1.0 6.6 (3)
3	3	0.4 0.6 0.7 (3)	0.5 0.7 0.7 (3)	0.4 0.6 0.7 (3)
4	1	2.4 5.3 8.2 (2)	4.4 6.5 8.7 (2)	0.3 4.0 7.7 (2)
4	2	2.4 2.4 2.4 (1)	2.5 2.5 2.5 (1)	2.3 2.3 2.3 (1)
4	3	0.2 1.5 2.8 (2)	0.2 0.2 0.2(1)	0.2 0.2 0.2 (1)

Area	Traffic Surfaœ
Non Trackout	2.2 2.5 2.8 (2)
Trackout	2.7 4.6 6.6 (2)

Notes:

"All Areas" group includes trackout and non trackout area data

Road Type 1: Local

Road Type 3: Minor Arterial

Road Type 2: Collector Road Type 4: Major Arterial / Freeway

ROADSITE.DBF

Field Summary, Legend, and Hardcopy Printout

The following Table describes the fields included in the ROADSITE.DBF database.

	ROADSITE.DBF Field Summary and Legend				
Field Name	Data Type	Size	Field Description		
CEEE MANGE	CI.	42	S. P. W. Levelin name		
SITE_NAME	Character	43	Sampling site location name.		
SITE_ID	Character	5	Site name abbreviation. Primary key for relation to SEDDATA.DBF and AQDATA.DBF databases.		
ROAD_TYPE	Numeric	1	Numerical identifier for road type (1-4). 1=local, 2=collector, 3=minor arterial, 4=major arterial/freeway		
TYPE_NAME	Character	25	Road type description. Local, collector, minor arterial, major arterial/freeway.		
ROUND_1	Date	8	Date of first sampling round (MMDDYY).		
ROUND_2	Date	8	Date of second sampling round (MMDDYY).		
ROUND_3	Date	8	Date of third sampling round (MMDDYY).		
SWEEP_I	Date	8	Date of first street sweeping event (MMDDYY).		
SWEEP_IQ	Character	1	Estimated date qualifier. E indicates the date is an estimate.		
SWEEP_2	Date	8	Date of second street sweeping event (MMDDYY).		
SWEEP_2Q	Character	1	Estimated date qualifier. E indicates the date is an estimate.		
SWEEP_3	Date	8	Date of third street sweeping event (MMDDYY).		
SWEEP_3Q	Character	1	Estimated date qualifier. E indicates the date is an estimate.		
NOTES	Character	60_	Notes		

				s	ampling Da	tes .	Stree	et Sweeping D	ates		02/13/97
Columbins south of 16th	Site Name	Site ID	Type Name	Round 1	Round 2	Round 3	Sweep 1	Sweep 2	Sweep 3	Notes	
Columbins south of 15th COL local MI1096	15th east of Columbine	15A	local	04/10/96	04/25/96	08/06/96	04/18/96	05/02/96	07/01/96 E	Assume site swept three times.	
Deve section of Speward F/W Isola 1	Columbine north of 16th	co	local	04/02/96	04/23/96	08/06/96	04/18/96	05/02/96	07/01/96 E	Assume site swept three times.	
N. s. cond. of 12th N. ST local 03/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696 04/2696	Columbine south of 15th	COL	local	04/10/96	04/25/96	08/06/96	04/18/96	05/02/96	07/01/96 E	Assume site swept three times.	
121	Iowa north of Spenard	IOW	local	11	11	07/24/96	04/01/96 E	04/21/96	07/01/96 E	Assume site swept three times. Only gutters sampled.	
19th east of Karback	N st. south of 12th	N ST	local	03/26/96	04/26/96	07/08/96	04/15/96	07/01/96 E	11	Assume site was swept twice.	
13th east of Karlock	12th east of N Street	s12	local	03/26/96	04/26/96	07/08/96	04/15/96	07/01/96 E	11	Assume site was swept twice.	
16th east of Colombine	13th east of Karluck	s13	local	04/05/96	04/24/96	07/09/96	04/16/96	05/02/96	07/02/96		
21st and Blueberry 32 local	13th east of Karluck	s13	local	11	11	08/08/96	04/16/96	05/02/96	07/02/96	Track out sampling.	
Detail south of Northern Lights DEN Collector 1	16th east of Columbine	s16	local	04/02/96	04/23/96	08/06/96	04/18/96	05/02/96	07/01/96 E	Assume site swept three times.	
Extract morth of 15th	21st and Blueberry	s21	local	11	05/22/96	08/12/96	04/18/96	06/01/96 E	07/01/96 E	OGS site. Assume site swept three time.	
Karbuck north of 19th	Denali south of Northern Lights	DEN	collector	11	11	07/26/96	03/28/96	04/05/96	07/01/96 E	Assume site swept three times. Only gutters sampled.	
Rattack north of 9th KB Collector 04/05/96 04/18/96 08/08/96 04/16/96 05/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07/02/96 07	E street north of 15th	E ST	collector	03/27/96	04/25/96	08/07/96	04/08/96	05/04/96	07/01/96 E	Assume site swept three times.	
King north of Dimond KING Collector 1 /	Karluck north of 13th	KA	collector	04/05/96	04/24/96	07/09/96	04/16/96	05/02/96	07/02/96		
Reeve north of 5th RV collector 0.3/27/96 0.4/19/96 0.7/17/96 0.4/10/96 E 0.6/01/96 E 0.6/	Karluck north of 9th	KВ	collector	04/05/96	04/18/96	08/08/96	04/16/96	05/02/96	07/02/96		
20th west of Lake Otis \$20 collector / / 08/07/96 05/01/96 E 06/01/96 E 07/01/96 E Assume site swept three times. Only gutters sampled.	King north of Dimond	KING	collector	11	04/25/96	07/16/96	04/05/96	04/27/96	07/01/96 E	Assume site swept three times.	
Seed	Reeve north of 5th	RV	collector	03/27/96	04/19/96	07/17/96	04/10/96 E	06/01/96 E	07/01/96 E	Assume site swept three times.	
Set Seward Set Manual Set Manual Set Seward Set Manual Seward	20th west of Lake Otis	s20	collector	11	11	08/07/96	05/01/96 E	06/01/96 E	07/01/96 E	Assume site swept three times. Only gutters sampled.	
Seed	9th east of Karluck	s9	collector	04/05/96	04/18/96	08/08/96	04/16/96	05/02/96	07/02/96		
Old Seward south of 36th OS minor arterial 03/21/96 04/24/96 07/17/96 03/25/96 04/06/96 07/03/96 HEPA sampling. Old Seward south of 36th OS minor arterial / / 04/25/96 / / 03/25/96 04/06/96 07/03/96 HEPA sampling. Old Seward south of Dowling OSDBS minor arterial 04/16/96 05/30/96 07/17/96 05/27/96 / / / / / / / / / / / Site swept once. Old Seward bus stop south of Dowling OSDBS minor arterial 04/16/96 07/12/96 03/18/96 0/4/19/6 07/01/96 E Assume site swept once. Spenard east of Iowa SP minor arterial / / / / / / / / / / / / 07/24/96 03/18/96 04/21/96 07/01/96 E Assume site swept three times. Only gutters sampled. 15th east of E Street s15 minor arterial 03/21/96 04/24/96 07/17/96 03/25/96 04/05/96 07/03/96 E Assume site swept three times. Only gutters sampled. 36th west of Old Seward s36 minor arterial 0.1 0.1 0.1 0.1 0.1	36th west of New Seward	36B	minor arterial	11	04/16/96	07/16/96	03/25/96	04/05/96	07/03/96	Assume site swept three times.	
Old Seward south of 36th OS minor arterial / / 04/25/96 / 1 03/25/96 04/06/96 07/03/96 HEPA sampling. Old Seward south of Dowling OSD minor arterial 04/16/96 05/30/96 07/17/96 05/27/96 / / / / / / / / Site swept once. Old Seward bus stop south of Dowling OSDS minor arterial 04/16/96 / / / 1 05/27/96 / / / / / / / / / / Site swept once. Speard east of Iowa SP minor arterial 04/16/96 / / / / / 07/24/96 03/18/96 04/21/96 07/01/96 E Assume site swept three times. Only gutters sampled. 15th east of E Street \$15 minor arterial 03/27/96 04/26/96 07/07/96 05/04/96 07/03/96 E Assume site swept three times. Only gutters sampled. 36th west of Old Seward \$36 minor arterial / / / / / 04/25/96 07/10/96 03/25/96 04/05/96 07/03/96 HEPA sampling. A stude stouth of 6th A major arterial/freeway / / / / / / / 07/26/96 03/18/96 E 04/04/96 07/03/96 HEPA sampling.	36th east of Old Seward	36E	minor arterial	11	04/24/96	11	03/25/96	04/05/96	07/03/96	Sampled by mistake. Assume site swept three times.	
Old Seward south of Dowling OSD minor arterial O4/16/96 O5/30/96 O7/17/96 O5/27/96 / / / / Site swept once.	Old Seward south of 36th	os	minor arterial	03/21/96	04/24/96	07/17/96	03/25/96	04/06/96	07/03/96		
Old Seward bus stop south of Dowling OSDBS minor arterial 04/16/96	Old Seward south of 36th	os	minor arterial	11	04/25/96	11	03/25/96	04/06/96	07/03/96	HEPA sampling.	-
Speard east of Iowa SP minor arterial / / 07/24/96 03/18/96 04/21/96 07/01/96 E Assume site swept three times. Only gutters sampled.	Old Seward south of Dowling	OSD	minor arterial	04/16/96	05/30/96	07/17/96	05/27/96	//	11	Site swept once.	
15th east of E Street s15 minor arterial 03/27/96 04/25/96 08/07/96 04/08/96 05/04/96 07/01/96 E Assume site swept three times.	Old Seward bus stop south of Dowling	OSDBS	minor arterial	04/16/96	11	11	05/27/96	11	11	Site swept once.	
36th west of Old Seward	Spenard east of Iowa	SP	minor arterial	11	11	07/24/96	03/18/96	04/21/96	07/01/96 E	Assume site swept three times. Only gutters sampled.	
36th west of Old Seward s36 minor arterial // 04/25/96 // 03/25/96 04/05/96 07/03/96 HEPA sampling. A street south of 6th A major arterial/freeway // // 07/26/96 03/18/96 E 04/04/96 07/01/96 E Assume site swept three times. Only gutters sampled. Debarr west of Muldoon DEB major arterial/freeway // // 07/24/96 04/01/96 E 04/21/96 07/10/96 Dimond west of King DM major arterial/freeway 03/22/96 04/19/96 07/16/96 03/27/96 07/10/96 Lake Otis north of 20th LKOT major arterial/freeway // // 1/ 08/07/96 03/11/96 06/01/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. Muldoon south of Debarr MUL major arterial/freeway // // 1/ 07/24/96 04/01/96 E 04/21/96 07/01/96 E 07/22/96 Only gutters sampled. Northern Lights east of Spenard N LTS major arterial/freeway // // 07/26/96 03/23/96 07/01/96 E // OGS site Assume site swept twice. Northern Lights east of Denali NLTB major arterial/freeway // // 1/ 07/26/96 03/22/96 05/01/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. New Seward north of 36th NS major arterial/freeway 03/20/96 04/16/96 07/16/96 03/21/96 03/22/96 E 04/06/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. New Seward north of 36th NS major arterial/freeway 03/20/96 04/16/96 07/16/96 03/21/96 03/22/96 E 04/06/96 E 07/10/96 E Assume site swept three times. She sat of Reeve s5 major arterial/freeway 03/27/96 04/19/96 07/17/96 04/10/96 E 06/01/96 E 07/12/96 Assume site swept three times.	15th east of E Street	s15	minor arterial	03/27/96	04/25/96	08/07/96	04/08/96	05/04/96	07/01/96 E	Assume site swept three times.	
A street south of 6th A major arterial/freeway / / / / 07/26/96 03/18/96 E 04/04/96 07/01/96 E Assume site swept three times. Only gutters sampled. Debarr west of Muldoon DEB major arterial/freeway / / / / 07/24/96 04/01/96 E 04/21/96 07/12/96 Only gutters sampled. Dimond west of King DM major arterial/freeway 03/22/96 04/19/96 07/16/96 03/27/96 04/27/96 07/10/96 Lake Otis north of 20th LKOT major arterial/freeway / / / / 08/07/96 03/11/96 06/01/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. Muldoon south of Debarr MUL major arterial/freeway / / / / 07/24/96 04/01/96 E 04/21/96 07/12/96 Only gutters sampled. Northern Lights east of Spenard N LTS major arterial/freeway 03/22/96 / / 07/26/96 03/23/96 07/01/96 E / / OGS site Assume site swept twice. Northern Lights east of Denali NLTB major arterial/freeway 03/20/96 04/16/96 03/22/96 03/22/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. New Seward north of 36th NS major arterial/freeway 03/27/96 04/16/96 07/16/96 03/21/96 E 04/06/96 Sh east of Reeve s5 major arterial/freeway 03/27/96 04/19/96 04/10/96 E 04/10/96 E 07/12/96 Assume site swept three times.	36th west of Old Seward	s36	minor arterial	03/21/96	04/24/96	07/17/96	03/25/96	04/05/96	07/03/96		
Debarr west of Muldoon DEB major arterial/freeway 03/22/96 04/19/96 07/16/96 04/01/96 E 04/21/96 07/12/96 Only gutters sampled. Dimond west of King DM major arterial/freeway 03/22/96 04/19/96 07/16/96 03/27/96 04/27/96 07/10/96 Lake Otis north of 20th LKOT major arterial/freeway / / / / 08/07/96 03/11/96 06/01/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. Muldoon south of Debarr MUL major arterial/freeway / / / 07/24/96 04/01/96 E 04/21/96 07/22/96 Only gutters sampled. Northern Lights east of Spenard N LTS major arterial/freeway 03/22/96 / / 07/26/96 03/23/96 07/01/96 E / / OGS site. Assume site swept twice. Northern Lights east of Denali NLTB major arterial/freeway / / / / 07/26/96 03/22/96 05/01/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. New Seward north of 36th NS major arterial/freeway 03/20/96 04/16/96 07/16/96 03/21/96 03/29/96 E 04/06/96 Sh east of Reeve s5 major arterial/freeway 03/27/96 04/19/96 07/17/96 04/10/96 E 06/01/96 E 07/12/96 Assume site swept three times.	36th west of Old Seward	s36	minor arterial	11	04/25/96	11	03/25/96	04/05/96	07/03/96	HEPA sampling.	
Dimond west of King DM major arterial/freeway 03/22/96 04/19/96 07/16/96 03/21/96 04/21/96 07/10/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. LKOT major arterial/freeway / / / / 08/07/96 04/01/96 E 04/21/96 07/10/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. Mulcon south of Debarr MUL major arterial/freeway / / / 07/24/96 04/01/96 E 04/21/96 07/01/96 E / / OGS site Assume site swept twice. Northern Lights east of Spenard NLTS major arterial/freeway 03/22/96 / / 07/26/96 03/22/96 05/01/96 E 07/01/96 E Assume site swept twice. Northern Lights east of Denali NLTB major arterial/freeway / / / 07/26/96 03/22/96 05/01/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. New Seward north of 36th NS major arterial/freeway 03/20/96 04/16/96 07/16/96 03/21/96 03/29/96 E 04/06/96 Sh east of Reeve s5 major arterial/freeway 03/27/96 04/19/96 07/17/96 04/10/96 E 06/01/96 E 07/12/96 Assume site swept three times.	A street south of 6th	Α	major arterial/freeway	11	11	07/26/96	03/18/96 E	04/04/96	07/01/96 E	Assume site swept three times. Only gutters sampled.	
Lake Otis north of 20th LKOT major arterial/freeway / / / 08/07/96 03/11/96 06/01/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. Muldoon south of Debarr MUL major arterial/freeway / / / 07/24/96 04/01/96 E 04/21/96 07/02/96 Only gutters sampled. Northern Lights east of Spenard N LTS major arterial/freeway 03/22/96 / / 07/26/96 03/23/96 07/01/96 E / / OGS site. Assume site swept twice. Northern Lights east of Denali NLTB major arterial/freeway / / / 07/26/96 03/22/96 05/01/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. New Seward north of 36th NS major arterial/freeway 03/20/96 04/16/96 07/16/96 03/21/96 03/21/96 03/21/96 E 04/06/96 5h east of Reeve s5 major arterial/freeway 03/27/96 04/10/96 E 06/01/96 E 07/12/96 Assume site swept three times.	Debarr west of Muldoon	DEB	major arterial/freeway	11	11	07/24/96	04/01/96 E	04/21/96	07/22/96	Only gutters sampled.	
Muldoon south of Debarr MUL major arterial/freeway / / / / 07/24/96 04/01/96 E 04/21/96 07/22/96 Only gutters sampled. Northern Lights east of Spenard NLTS major arterial/freeway 03/22/96 / / 07/26/96 03/23/96 07/01/96 E / / OGS site Assume site swept twice. Northern Lights east of Denali NLTB major arterial/freeway / / / 07/26/96 03/22/96 05/01/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. New Seward north of 36th NS major arterial/freeway 03/20/96 04/16/96 07/16/96 03/21/96 03/21/96 03/29/96 E 04/06/96 Sth east of Reeve s5 major arterial/freeway 03/27/96 04/19/96 07/17/96 04/10/96 E 06/01/96 E 07/12/96 Assume site swept three times.	Dimond west of King	DM	major arterial/freeway	03/22/96	04/19/96	07/16/96	03/27/96	04/27/96	07/10/96		
Northern Lights east of Spenard N LTS major arterial/freeway 03/22/96 // 07/26/96 03/23/96 07/01/96 E // OGS site Assume site swept twice. Northern Lights east of Denali NLTB major arterial/freeway // / 07/26/96 03/22/96 05/01/96 E 07/01/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. New Seward north of 36th NS major arterial/freeway 03/20/96 04/16/96 07/16/96 03/21/96 04/10/96 E 04/06/96 Sth east of Reeve s5 major arterial/freeway 03/27/96 04/19/96 07/17/96 04/10/96 E 06/01/96 E 07/12/96 Assume site swept three times.	Lake Otis north of 20th	LKOT	major arterial/freeway	11	11	08/07/96	03/11/96	06/01/96 E	07/01/96 E	Assume site swept three times. Only gutters sampled.	
Northern Lights east of Denali NLTB major arterial/freeway / / / / 07/26/96 03/22/96 05/01/96 E 07/01/96 E Assume site swept three times. Only gutters sampled. New Seward north of 36th NS major arterial/freeway 03/20/96 04/16/96 07/16/96 03/21/96 03/29/96 E 04/06/96 Sth east of Reeve s5 major arterial/freeway 03/27/96 04/19/96 07/17/96 04/10/96 E 06/01/96 E 07/12/96 Assume site swept three times.	Muldoon south of Debarr	MUL	major arterial/freeway	11	11	07/24/96	04/01/96 E	04/21/96	07/22/96	Only gutters sampled.	
New Seward north of 36th NS major arterial/freeway 03/20/96 04/16/96 07/16/96 03/21/96 03/29/96 E 04/06/96 Sth east of Reeve s5 major arterial/freeway 03/27/96 04/19/96 07/17/96 04/10/96 E 06/01/96 E 07/12/96 Assume site swept three times.	Northern Lights east of Spenard	N LTS	major arterial/freeway	03/22/96	11	07/26/96	03/23/96	07/01/96 E	1.1	OGS site. Assume site swept twice.	
Sth east of Reeve s5 major arterial/freeway 03/27/96 04/19/96 07/17/96 04/10/96 E 06/01/96 E 07/12/96 Assume site swept three times.	Northern Lights east of Denali	NLTB	major arterial/freeway	11	1.1	07/26/96	03/22/96	05/01/96 E	07/01/96 E	Assume site swept three times. Only gutters sampled.	
Additional to a street union.	New Seward north of 36th	NS	major arterial/freeway	03/20/96	04/16/96	07/16/96	03/21/96	03/29/96 E	04/06/96		
6th west of A s6 major arterial/freeway // // 07/24/96 03/18/96 E 04/10/96 07/01/96 E Assume site swent three times. Only gutters sampled	5th east of Reeve	s 5	major arterial/freeway	03/27/96	04/19/96	07/17/96	04/10/96 E	06/01/96 E	07/12/96	Assume site swept three times.	
	6th west of A	s6	major arterial/freeway	11	1.7	07/24/96	03/18/96 E	04/10/96	07/01/96 E	Assume site swept three times. Only gutters sampled.	

Key: E - Estimated date

SEDDATA.DBF and AQDATA.DBF Field Summary, Legend, and Hardcopy Printout

The following tables describe the fields included in the SEDDATA.DBF and AQDATA.DBF databases.

SEDD	ATA.E	OBF and AQ	DATA	A.DBF Field Summary and Legend
Field Name	Unit	Data Type	Size	Field Description
ROUND		Numeric	20	Sampling round number (1 - 3)
SITE_ID		Character	5	The site from which the sample was taken. See site ID legend.
SAMPCODE		Character	5	The sample collection method (W/D: Wet/Dry Vacuum; HEPA: HEPA Vacuum)
ANALCODE		Character	9	The analysis method used for determining the particle size distribution
ТО		Logical	1	Whether the sample was taken to assess trackout area loadings
STRATA		Character	5	The strata or portion of the street from which the sample was taken. See strata legend
SAMPDATE		Date	1	Date the sample was collected
TRANSWIDTH	m	Numeric	20	Width of the sampled transect
TRANSLENG	m	Numeric	20	Length of the sampled transect
TRANSAREA	\mathbf{m}^2	Numeric	20	Street surface area that was sampled
TOTDRYWT	g	Numeric	20	The total dry weight of the sample
S38_1MM	%	Numeric	20	Percent passing the 38.1mm seive
S19_0MM	%	Numeric	20	Percent passing the 19.0mm seive
S9_5MM	%	Numeric	20	Percent passing the 9.5mm seive
S4_76MM	%	Numeric	20	Percent passing the 4.76mm seive
S2_00MM	%	Numeric	20	Percent passing the 2.00mm seive
S0_84MM	%	Numeric	20	Percent passing the 0.84mm seive
S0_42MM	%	Numeric	20	Percent passing the 0.42mm seive
S0_149MM	%	Numeric	20	Percent passing the 0.149mm seive
S0_105MM	%	Numeric	20	Percent passing the 0.105mm seive
S0_074MM	%	Numeric	20	Percent passing the 0.074mm seive
PCTRETAIN	%	Numeric	20	Amount retained in vacuum bag expressed as a percent of the total dry weight of the sample
BAGWT	g	Numeric	20	Tare weight of vacuum bag plus the weight of material retained in the bag
BAGTARE	g	Numeric	20	Tare weight of vacuum bag
RETAINED	g	Numeric	20	Weight of material retained in vacuum bag
OGS	g/m²	Numeric	20	OGS treatable loading
AIRSUSP	g/m ²	Numeric	20	Loading for particles of 10 microns or less
TOTLOAD	g/m ²	Numeric	20	Total particulate loading
NOTES		Character	25	Notes

	Site ID Legend	
Site ID	Site Description	Road
		Туре
15A	15th east of Columbine	1
36B	36th west of New Seward	3
36E	36th east of Old Seward	3
A	A street south of 6 th	4
CO	Columbine north of 16 th	1
COL	Columbine south of 15 th	1
DEB	Debarr west of Muldoon	4
DEN	Denali south of Northern Lights	2
DM	Dimond west of King	4
E ST	E street north of 15 th	2
IOW	Iowa north of Spenard	1
KA	Karluck north of 13 th	2
KB	Karluck north of 9 th	2
KING	King north of Dimond	2
LKOT	Lake Otis north of 20 th	4
MUL	Muldoon south of Debarr	4
N LTS	Northern Lights east of Spenard	4
NST	N st. south of 12 th	1
NLTB	Northern Lights east of Denali	4
NS	New Seward north of 36th	4
OS	Old Seward south of 36th	3
OSD	Old Seward south of Dowling	3
	Old Seward bus stop south of Dowling	3
RV	Reeve north of 5 th	2
SP	Spenard east of Iowa	3
s12	12th east of N Street	1
s13	13th east of Karluck	1
s15	15th east of E Street	3
s16	16th east of Columbine	1
s20	20th west of Lake Otis	2
s21	21st and Blueberry	1
s36	36th west of Old Seward	3
s5	5th east of Reeve	4
s6	6th west of A	4
s9	9th east of Karluck	2

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•			uum Sa	_			31,151,111								Percen	t Passi	ng Sieve	(mm)			•					Load	dings (g/m	n²)	February 13, 1997
	round	site_ic	d sample	to	strata	sampdate	transwidth	transleng	transarea	totdrywt	analysis	38.1	19.0	9.5	4.76	2.00	0.84	0.42	0.149	0.105	0.074	bagwt	petretain	bagtare	retained	ogs		totload	notes
	ī	15A	W/D	F	NING	4/10/96	0.15	29.26	4.46	338.8	ASTM C136	100.0	100.0	100.0	92.3	63.3	41.5	32.7	15.9	9.4	8.5	109.80	12.9	66.00	43.80	68.83	16.28	86	
	ı.	15A	₩/D	F	ING	4/10/96	0.15	29.26	4.46	1525.8	ASTM C136	100.0	100.0	99.8	89.0	34.1	18.9	14.8	8.2	5.1	4.5	160.00	6.2	66.00	94.00	324.71	36.48	363	
	1	15A	W/D	F	NIG	4/10/96	0.20	3.66	0.74	2152.6	ASTM C136	100.0	88.1	80.6	75.4	69.7	63.0	56.L	36.9	28.2	24.4	0.00	0.0	0.00	0.00	2,079.54	706.70	2896	Sampled with shovel
	ī	I5A	W/D	F	1G	4/10/96	0.20	3.66	0.74	969.3	ASTM C136	0.001	91.7	88.6	BO.2	65.6	56.3	49.6	34.2	28.4	25.4	0.00	0.0	0.00	0.00	933.79	331.26	1304	Sampled with shovel
				******						-																			
	1	со	W/D	F	NING	4/2/96	0.20	29.26	5.95	1449.5	ASTM C136	100.0	100.0	100.0	94.3	73.2	55.2	41.3	24.5	19.4	17.9	93.80	1.9	66.00	27.80	196.49	48.31	248	
	1	со	W/D	F	ING	4/2/96	0.20		1 1		ASTM C136	100.0	100.0	100.0	89.4	52.5	39.2	30.4	17.6	13.8	12.7	90.20	0.8	66.00	24.20	432.40	67.54	505	
	1	со	W/D	F	NIG	4/2/96	0.20	L			ASTM CI36	100.0	100.0	99.1	94.3	82.8	72.2		23.1	10.7	10.2	0.00	0.0	0.00	0.00	630.56	72.02	706	Sampled with shovel
	1	co	W/D	F	IG	4/2/96	0.20	3.66	0.74	976.4	ASTM CI36	100.0	100.0	99.7	85.4	51.7	44.1	34.7	14.9	9.3	7.6	0.00	0.0	0.00	0.00	1,191.56	99.84	1314	Sampled with shovel
					,				, -							,													
	1	COL	W/D	F	NING	4/10/96	0.15	29.26	l. I		ASTM C136	100.0	100.0	100.0	89.3	60.5	35.3		8.0	4.1	3.7	109.10	9.6	66.00	43.10	96.39	13.38	011	
i	1	COL	W/D	F	ING	4/10/96	0.15	29.26	4.46	1139.7	L l	100.0	100.0	99.8	86.3	32.0	17.3		6.7	3.6	3.5	130.90	5.7	66.00	64.90	246.37	23.50	270	
	1	COL	W/D W/D	F	NIG IG	4/10/96 4/10/96	0.20	3.66 3.66	0.74		ASTM C136 ASTM C136	100.0	100.0	98.5 98.7	92.6 88.1	BO.3 64.4	67.7 51.3	54.1 40.4	24.8 19.9	11.3	11.1	0.00	0.0	0.00	0.00	1,971.10	246.66		Sampled with broom
	-	coc	1 ""	<u> </u> "	1.0	*10/30	0.20	3.00	0.74	2143.8	~31M C136	100.0	100.0	98.7	88.1	04.4	51.3	40.4	19.9	10.5	10.2	0.00	0.0	0.00	0.00	2,581.59	294.21	2884	Sampled with broom
		DM	W/D	F	ING	3/22/96	Ó.20	57.61	11.71	5207 A	ASTM C136	100.0	100.0	99.9	92.9	52.7	32.6	23.4	11.8	8.8	6.9	95.00	0.5	66.00	29.00	412.69	33		
	i	DM	W/D	F	IG	3/22/96	0.18		1.09		ASTM C136	100.0	100.0	99.1	94.0	75.0	58.4	42.5	18.1	12.7	í	290.80	2.0	66.00	29.00	9,051.10	33.70 1,346.57	10574	Two Transects (T 5, T100)
	÷	EST	W/D	F	NING	3/27/96	0.20	27.43	5.57		ASTM C136	100.0	100.0	100.0	97.9	86.7	52.3	27.4	3.1	1.0	0.3		2.0	66.00	1.50	13.66	0.31	105/4	
		EST	W/D	F	ING	3/27/96	0.20	29.87	6.07		ASTM C136	100.0	100.0	100.0	97.3	65.5	29.8	12.7	0.9	0.0	0.0		1.6	66.00	1.40	14.25	0.31	14	
				<u> </u>		<u> </u>	L		iI					1										00.00				• • •	
-	1	EST	W/D	F	NIG	3/27/96	0.20	3.66	0.74	966.3	ASTM C136	100.0	100.0	98.7	86.8	63.1	44.5	29.0	11.1	7.8	6.9	154.80	9.2	66.00	88.80	1,198.73	209.19	1420	
	1 .	EST	W/D	F	iG	3/27/96	0.20	3.66	0.74		ASTM C136	100.0	100.0	99.7	88.5	59.5	45.6	30.0	13.8	4.5	!		4.7	66.00	80.80	2,230.79	195.14	2445	<u> </u>
	1	KA	W/D	F	NING	4/5/96	0.15	37.49	5.71	636.4	ASTM C136	100.0	100.0	100.0	88.9	46,2	29.1	20.5	9.0	5.9	4.B	87.10	3.3	66.00	21.10	104.81	9.04	115	
	1	KA	W/D	F	ING	4/5/96	0.15	40.54	6.18	2348.5	ASTM C136	100.0	100.0	99.9	89.7	40.3	25.8	19.7	10.0	6.8	5.4	159.30	1.2	132.00	27.30	354.29	24.95	385	
				_	1			L	L					1						1	J		l l						
-	i	KA	W/D	F	NIG	4/5/96	0.20	3.66	0.74	2346.1	ASTM C136	100.0	100.0	96.1	87.7	63.9	52.3	45.9	32.0	26.2	24.2	0.00	0.0	0.00	0.00	2,329.61	763.91	3157	Sampled with shovel
	l	KA	W/D	F	IG	4/5/96	0.20	3.66	0.74	3138.8	ASTM C136	100.0	97.2	96.4	77.3	25.9	16.9	14.1	9.1	7.5	6.7	0.00	0.0	0.00	0.00	3,906.47	282.96	4223	Sampled with shovel
		KB	W/D	F	NING	4/5/96	0.15	37.49	5.71		ASTM C136	100.0	100.0	100.0	87.2	45.8	28.0	18.8	7.5	5.1	4.1	71.80	1.4	66.00	5.80	70.19	4.05	75	
ĺ	ı	KB	W/D	F	ING	4/5/96	C .15	39.01	5.95	1474.4	ASTM C136	100.0	100.0	100.0	87.6	33.0	19.4	14.3	7.0	5.0	3.9	79.30	0.9	66.00	13.30	235.57	11.91	250	
							· · · · · · · · · · · · · · · · · · ·																						
		KB	W/D		NIG	4/5/96	0.20	3.66	0.74		ASTM C136	100.0	100.0	98.4	86.7	59.0	45.6	36.5	22.2	17.7	15.2		0.0	0.00	0.00	1,591.24	293.89	1933	Sampled with broom
	1	КВ	W/D	P	IG	4/5/96	0.20	3.66	0.74		ASTM C136	100.0	100.0	99.3	81.3	29.8	18.9	14.6	7.7	5.4	4.2		0.0	0.00	0.00	2,223.13	98.70	2350	Sampled with broom
		NLTS	W/D	l	NING	3/22/96	0.20	108.02	21.95		ASTM C136	100.0	100.0	98.2	93.9	78.2	46.1	29.3	9.9	6.1	3.8		12.0	66.00	15.60	5.58	0.94	7	
	l	NLTS	W/D	F	ING	3/22/96	0.20	49.07	9.97	1001.3	ASTM C136	100.0	100.0	99.9	98.8	88.4	58.9	36.9	9.1	8.1	5.5	105.40	3.9	66 .00	39.40	92.28	9.47	104	
,			T																										
		N LTS	W/D	ــــــــــــــــــــــــــــــــــــــ	NIG	3/22/96	0.20	4.B8	0.99		ASTM C136	100.0	100.0	99.9	96.6	86.0	68.2	49.8	24.0	18.1		140.00	1.9	66.00	74.00	3,160.41	653.48		North gutter only
	1	NLTS	W/D	L	IG	3/22/96	0.20	2.44			ASTM C136	100.0	100.0	97.2	89.7	69.0	46.3	27.1	7.4	4.0	3.t		1.3	66.00	23.30	3.352.62	155.32	L	North gutter only
-	1	N ST N ST	W/D W/D	F	NING	3/26/96 3/26/96	0.20	27.43 28.04	5.57 5.70		ASTM C136 ASTM C136	100.0	100.0	98.3	90.0	57.6	26.8	11.5	1.8	0.9	0.7		2.6	66.00	19.80	134.87	4.50	140	
I		17.51	\w/D	<u> </u>	1140	3420/90	0.20	28.04	3.70	1420.9	ASIM CI36	100.0	100.0	99.8	87.3	28.8	10.6	5.7	1.6	1.0	0.6	85.90	1.4	66.00	19.90	247.93	5.00	254	
ı		NOT	lwas.	I= 1	lana.	18686	1 000		,т	500.5	[lames all]	100 5							44.0	Т			r <u>-</u>					·	
	1	N ST N ST	W/D		NIG IG	3/26/96 3/26/96	0.20	3.66 3.66	0.74 0.74		ASTM C136	100.0	100.0	92.8	80.4	63.7	51.0	41.1	16.8	10.1 7.0		113.50	9.5	66.00	47.50	605.76	128.60	738	1
Į	1	1491	W/D	<u> </u>	10	3/20/90	0.20	3.60	0.74	333.9	ASTM C136	100.0	100.0	97.3	80.2	40.5	27.3	20.4	9.6	7.0	5.9	108.20	7.9	66.00	42.20	670.57	99.32	778	<u> </u>

Wet/D	ry Vacı	uum Sa	unpl	es										Percen	t Passi	ng Siev	(mm)							_	Loac	lings (g/m	l ²)	February 13, 199
round	site_id	sampl	e to	strata	sampdate	transwidth	transleng	transarea	totdrywt	analysis	38.1	19.0	9.5	4.76	2.00	0.84	0.42	0.149	0.105	0.074	agwt	pctretain	bagtare	retained	ogs	airsusp	totload	notes
1	NS	W/D	F	ING	3/20/96	0.20	34.44	7.00	6934.0	ASTM C136	100.0	100.0	100.0	96.1	74.3	45.3	29.6	11.9	8.4	6.5	0.00	0.0	0.00	0.00	907.57	64.40	991	One Transect (T 5) Only
1	NS	W/D	F	iG	3/20/96	0.20	3.66	0.74	2103.0	ASTM C136	100.0	100.0	99.1	93.9	77.7	61.6	47.7	22.1	15.5	12.6	0.00	0.0	0.00	0.00	2,390.98	356.52		One Transect (T 5) Only
						·	l			·	L			LL								l				i		
1	OS	W/D	F	NING	3/21/96	0.20	45.72	9.29	792.5	ASTM CI36	100.0	100.0	100.0	95.6	74.0	55.1	38.7	15.8	11.t	8.6	84 90	1.8	71.00	13.90	75.84	8.83	87	
ı	os	W/D	F	ING	3/21/96	0.20		10.47	790.4	ASTM C136	100.0	0.001	100.0	98.8	80.8	55.7	39.4	15.9	11.2	8.9	89.90	2.4	71.00	18.90	67.05	8.53	77	
	os	W/D	F	NIG	3/21/96	0.20		1.49		ASTM C136	100.0	100.0	99.6		85.9	65.6	47.2	18.9	12.7	9.9	239.30	3.8	71.00	168.30	2,630.54	411.53	3126	
<u> </u>	os	W/D	F	IG	3/21/96	0.20	6.10	1.24	3101.0	ASTM C136	100.0	100.0	100.0	97.0	77.5	58.1	41.1	16.0	10.5	8.9	302.00	7.4	71.00	231.00	2,241.12	409.39	2691	
t	OSD	W/D	F	NING	4/16/96	0.30	62.79	19.14		ASTM C136	100.0	100.0	100.0		87.L		31.0	11.6	7.5		78.40	4,4	66.00	12.40	13.55	1.38	15	
1	OSD	W/D	F	ING	4/16/96	0.15	70.71	10.78		ASTM C136	100.0	100.0	100.0		78.2		41.1	17.3	10.5	7.8	91.50	2.2	66.00	25.50	97.62	10.87	tit	
1	OSD	W/D	F	NIG	4/16/96	0.15	8.53	1.30		ASTM C136	0.001	100.0	l		88.0		52.8	23.2	12.3		166.50	0.2	132.00		10,657.02	1,448.27	12178	
1	OSD	W/D	F	1G	4/16/96	0.15	6.10	0.93	11989.0	ASTM C136	100.0	100.0	98.8	96.1	89.2	73.6	54.9	24.5	15.6	11.1	169.80	0.3	132.00	37.BO	10,891.68	1,473.12	12946	Outlier
	T	T	1_	·	I					, ,										,								
<u> </u>	RV	W/D	F	NING	3/27/96	0.20	53.95	10.96		ASTM C136	100.0	100.0	99.7	93.3	50.9	26.0		7.4	4.8		76.60	1.8	66.00	10.60	50.30	2.87	54	
 - -	RV	W/D	F	ING	3/27/96	0.20	55.78	11.33		ASTM C136	100.0	100.0	100.0	88.9	34.4	22.9	17.8	9.0	5.9		144.50	3.4	66.00	78.50	191.04	15.66	210	
<u> </u>	RV	W/D	F	NIG	3/27/96	0.20	3.66 3.66	0.74		ASTM C136	100.0	100.0	88.4		10.4	6.1	5.1	2.5	2.0		67.80	0.3	66.00	1.80	685.40	15.71	702	
Ľ.	K V	L W/D	I.	10	3/2//90	0.20	3.00	0.74	1144.2	ASTM C136	100.0	96.9	92.3	67.3	24.2	18.0	15.4	9.0	7.2	6.5	121.10	4.8	66.00	55.10	1,428.66	174.20	1614	
	T	T	Υ=	T	T					· I		·····																
1	s12	W/D	F	NING	3/26/96	0.20	27.43	5.57		ASTM C136	100.0	100.0	100.0	98.0	79.3	47.2		11.5	7.0	4.7		5.0	66.00	36.30	121.36	12.65	137	
<u> </u>	s12	W/D	F	NIG	3/26/96	0.20	28.04 3.66	0.74		ASTM C136 ASTM C136	100.0	100.0	100.0	92.3	47,7	26.8		10.2	7.5	6.1		7.4	66.00	50.60	110.57	16.17	128	
+	112	W/D	F	IG	3/26/96	0.20	3.66	0.74		ASTM C136	100.0	92.3 100.0	80.9 96.4	66.3 75.0	50.4 36.8	33.1 27.0	23.4	10.9	8.3 7.6	7.5		16.5	66.00	98.20	735.23	192.26	934	
L	15.5	""	Ľ	<u></u>	1	L	3.00		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	A31M C130	100.0	100.0	30.4	15.0	,50.a	27.0	20.5	10.1	7.0	6.3	173.80	11.9	66.00	109.80	1,146.63	225.91	1389	
	s13	W/D	F	NING	4/5/96	0.15	37.49	5.71	420.6	ASTM C136	100.0	100.0	99.3	01.1	(0.1	25.2	22.6	2.1	6.1		I							·
H	s13	W/D	1	ING	4/5/96	0.15	32.92	5.02		ASTM C136	100.0	100.0	99.8	91.1	60.1 33.8	35.3 16.9	23.6	9.5 5.1	6.1 3.3		72.40 81.00	1.5	66.00	.6.40 15.00	70.60 200.89	4.88	76	
 	s13	W/D	F	NIG	4/5/96	0.20	3.66	0.74		ASTM C136	100.0	93.6	81.9	71.6	63.4	54.1	44.5	25.0	18.2	15.8	0.00	0.0	0.00	0.00	715.62	9.22	211	Sampled with shovel
+	113	W/D	F	IG	4/5/96	0.20	3.66	0.74		ASTM C136	100.0	100.0	97.3	52.2	39.5	31.3	- 1	9.5	8.0	7.8	80.30	4.0	66.00	14.30	442.65	56.77		Sampled with shovel
L	<u> </u>	<u> </u>	1	L	L	l															50		00.00	14.50	442.03		500	sampieu with shove
1	s15	W/D	F	NING	3/27/96	0.20	29.26	5.95	175.8	ASTM C136	100.0	100.0	100.0	100.0	88.5	45.5	22.0	3.2	1.7	0.9	65.00	0.6	64.00	1.00	30.06	0.41	201	
<u></u>	s15	W/D	F	ING	3/27/96	0,20	33.53	6.81		ASTM C136	100.0	100.0	100.0		56.6	23.0		1.2	0.6		69.90	1.0	66.00	3.90	29.06 57.92	0.43	30 59	
1	815	W/D	P	NIG	3/27/96	0.20	3.66	0.74		ASTM C136	100.0	100.0	99.3		74.4	54.3	37.9	17.0	12.8		115.80	2.0	66.00	49.80	2,867.46	461.61	3355	
1	s15	W/D	F	ĬĞ	3/27/96	0.20	3.66	0.74		ASTM C136	100.0	100.0	99.4		57.0	39.7	29.2	12.5	8.8		153.60	8.3	66.00	87.60	1,300.59	230.53	1544	-
L			Т	L	L									J.	1	i												
1	s16	W/D	F	NING	4/2/96	0.20	29.26	5.95	923.2	ASTM C136	100.0	97.9	96.4	88.1	61.4	45.2	35.2	20.2	15.0	12.4	106.10	4.3	66.00	40.10	131.98	26.00	162	
1	s16	W/D	F	ING	4/2/96	0.20	30.94	6.29		ASTM C136	100.0	100.0	99.7		57.1	40.0	1	19.8	14.9		84.70	2.5	66.00	18.70	102.66	18.66	124	
1	s16	W/D	F	NIG	4/2/96	0.20	3.66	0.74		ASTM C136	100.0	96.6	90.9		54.8	45.0	36.5	19.1	12.3		77.40	1.5	66.00	11.40	873.43	126.88		Water in gutter
1	s16	W/D	F	IG	4/2/96	0.20	3.66	0.74	960.3	ASTM C136	100.0	100.0	96.7	82.6	46.6	37.1	30.2	17.9	12.9		80.60	1.5	66.00	14.60	1,125.39	173.40		Water in gutter
	L				·								i		i									l.		1		
ı	s36	W/D	F	ING	3/21/96	0.20	60.05	12.20	1569.9	ASTM C136	100.0	100.0	100.0	97.1	55.9	37.2	28.2	13.5	9.2	6.6	100.20	1.9	71.00	29.20	116.83	10.89	131	
1	s36	W/D	F	NIG	3/21/96	0.20	7.32	1.49		ASTM C136	0.001	100.0	99.9		49.6	34.6	1.	11.8	7.9		499.60	10.0	71.00	428.60	2,650.64	446.63	3166	·
<u> </u>	:36	W/D	F	IG	3/21/96	0.20	6.10	1.24	2623.9	ASTM C136	100.0	100.0	99.8	88.0	63.3	45.7	34.6	19.6	16.3		146.70	2.9	71.00	75.70	1,773.42	376.83	2180	
1	s5	W/D	P	NING	3/27/96	0.20	57.61	11.71	1275.0	ASTM C136	100.0	100.0	100.0	93.2	65.8	46.9	29.4	8.3	4.2	2.4	77.50	0.9	66.00	11.50	104.35	3.60	110	
— —	·		_	<u>. </u>	<u>. </u>	L							l										i	!_]			

Pricei	. 2¢ (m	menr 9	ann.	שנע פוק	itabase (SEDDA I	<u>A.DDF)</u>	<u> </u>																				Page: 3 of
Wet/D	ry Vac	uum Sa	mpl	es										Percen	t Passi	ng Sieve	(mm)				······································				Load	ings (g/n	1 ²)	February 13, 1
round	site_i	d sampl	to	strata	sampdate	transwidth	transleng	transarea	totdrywt	analysis	38.1	19.0	9.5	4.76	2.00	0.84	0.42	0.149	0.105	0.074	bagwt	pctretain	bagtare	retained	ogs	airsusp	totload	notes
1	٤Ś	W/D	F	ING	3/27/96	0.20	63.09	12.82	2434.0	ASTM C136	100.0	100.0	100.0	93.5	62.5	45.7	32.4	10.9	6.6	4.8	79.40	0.6	66.00	13.40	177.32	10.16	191	
1	1.5	W/D	F	NIG	3/27/96	0.20	3.66	0.74	4085.0		100.0	100.0	97.8	89.9	67.6	54.2	39.5	16.4	11.4	8.8	1	0.8	66.00	32.60	4,869.74	527.54	5540	
T	s5	W/D	F	IG	3/27/96	0.20	3.66	0.74	4090.0	ASTM C136	100.0	100.0	96.9	82.9	49.4	36.7	27.1	11.4	7.7	5.7		1.4	66.00	56.20	5,079.31	389.29	5579	
	19	W/D	F	NING	4/5/96	0.15	37.49	5.71	1001.1	ASTM CI36	100.0	100.0	100.0	92.0	54.2	31.2	21.4	10.4	7.0	6.0	83.70	1.8	66.00	17.70	162.95	13.61	178	
																											·	
. 1	19	W/D	F	ING	4/5/96	0.15	1 1	5.95		ASTM C136	100.0	100.0	100.0	90.0	36.3	20.4	15.7	9.1	7.1	6.2	84.40	0.9	66.00	18.40	337.64	25.63	367	
1	19	W/D W/D	F	NIG	4/5/96	0.20	3.66	0.74		ASTM C136	100.0	98.8	98.3	86.7	54.3	38.4	29.7	£6.1	11.9	9.5	0.00	0.0	0.00	0.00	1,259.93	135.86		sampled with broom
- 1	15A	W/D	F	NING	4/25/96	0.25	3.66 29.26	7.43		ASTM C136 ASTM C136	100.0	100.0	98.9 100.0	83.5 99.7	34.7 98.1	22.6 92.4	18.2 86.1	63.8	7.5 53.8	5.8 46.9	0.00 87.30	0.0	0.00	0.00	1.821.69	114.22		sampled with broom
	137	1	Ι.	I Tale	W25/70	0.25	27.20	7.43		A31M C130	100.0	100.0	100.0	99.7	90.1	92.4	80.1	63.8	33.6	46.9	87.30	4.8	66.00	21.30	27.61	30.90	63	
2	15A	W/D	F	ING	4/25/96	0.25	29.26	7.43	447.0	ASTM C136	100.0	100.0	100.0	100.0	98.1	92.0	84.7	60.0	50.4	43.4	91.00	5.6	66.00	25.00	29.83	29.47	64	
2	15A	W/D	ř	NIG	4/25/96	0.51	3.66	1.86		ASTM C136	100.0	100.0	97.9	96.7	94.6	91.2		56.4	41.5	34.4	80.30	3.0	66.00	14.30	435.62	263.85	752	
2	15A	W/D	P	IG	4/25/96	0.51	3.66	1.86	700.5	ASTM C136	100.0	100.0	98.2	96.7	95.5	94.0	90.4	63.9	51.0	42.6		3.1	66.00	21.40	184.73	172.12	389	· · · · · · · · · · · · · · · · · · ·
2	36 B	W/D	F	NING	4/16/96	0.15	53.04	8.08	78.6	ASTM C136	100.0	100.0	100.0	96.8	80.7	39.3	24.8	7.4	4.6	2.9	71.30	6.7	66.00	5.30	9.28	0.94	10	
2	36B	W/D	F	ING	4/16/96	0.15	76.20	11.61		ASTM C136	100.0	100.0	100.0	91.4	64.7	50.1		16.0	10.3	6.5	80.40	1.3	71.66	9.40	54.28	4.74	61	
2	36B	W/D	F	NIG	4/16/96	0.15	7.32	1.11		ASTM C136	100.0	100.0	0.001	97.4	89.3	71.5	52.7	20.6	10.2	6.9	73.50	0.6	66.32	7.50	943.96	79.26	1058	
2	36B 36E	W/D W/D	F	IG NING	4/16/96	0.15	6.10 64.62	0.93 32.83		ASTM C136 ASTM C136	100.0	100.0	100.0	93.6	75.1	58.3	42.9	17.9	9.8	6.5	94.50	1.7	66.00	28.50	1,667.62	150.85	1879	
	302	1 ""	Ţ.	111110	1 42470	0.51	04.02	32.63	67.0	ASIM CISO	100.0	100.0	100.0	93.9	78.0	40.1	26.2	8.9	6.2	4.4	75.50	8.9	69.50	6.00	1.93	0.27	2	
2	36E	W/D	F	ING	4/24/96	0.51	64.62	32.83	159.2	ASTM C136	100.0	100.0	100.0	96.4	73.4	49.6	37.2	16.3	11.4	8.0	74.50	6.1	64.75	9.75	4.30	0.69	- 4	
2	36E	W/D	F	NIG	4/24/96	0.51	7.32	3.72		ASTM C136	100.0	100.0	100.0	97.4	89.0	78.2	63.4	31.0	21.6	15.6	94.10	0.5	69.50	24.60	1.099.88	225.47	1410	
2	36E	W/D	F	IG	4/24/96	0.51	7.32	3.72	4498.4	ASTM C136	100.0	100.0	99.6	97.8	94.0	85.2	68.4	30.9	20.1	13.5	85.70	0.5	65.12	20.58	967 20	168.96	1216	
2	co	W/D	F	NING	4/23/96	0.20	29.26	5.95	274.1	ASTM C136	100.0	100.0	100.0	99.9	98.1	91.9	77.3	43.9	34.4	29.1	83.30	6.3	66.00	17.30	30.24	16.32	49	
2	co	W/D	F	ING	4/23/96	0.20	31.09	6.32		ASTM C136	100.0	100.0	100.0	98.9	92.7	82.4	68.2	38.5	29.3	23.9	8t.30	3.0	67.00	14.30	53.19	20.25	78	
2	co	W/D	F	NIG	4/23/96	0.41	3.66	1.49		ASTM C136	100.0	100.0	99.7	96.7	89.2	82.8	74.t	44.2	34.3	28.8	82.00	2.4	66.00	16.00	299.67	142.13	467	
2	COL	W/D W/D	F	IG NING	4/23/96 4/25/96	0.41	3.66 29.26	7.43		ASTM CI36 ASTM CI36	100.0	100.0	99.6	93.2 99.9	83.3 98.6	77.0 94.9	68.8	43.7	34,4	29.2	79.60	1.5	67.00	12.60	377.59	176.55	584	
		""2	<u> </u>	1	1 2370	0.25	27.20		037.0	ASIMCISO	100.0	100.0	100.0	33.9	90.0	94.9	85.4	51.0	40.9	35.8	82.70	2.6	66.00	16.70	50.81	33.03	88	
2	COL	W/D	F	ING	4/25/96	0.25	29.26	7.43	647 5	ASTM C136	100.0	100.0	0.001	99.6	96.1	89.9	80.0	50.3	41.3	36.5	84.20	2.8	66.00	18.20	51.14	34.25	90	
	COL	W/D	P	NIG	4/25/96	0.25	3.66	0.93		ASTM C136	100.0	100.0	98.6	96.4	91.7	86.1	77.3	51.4	44.0	39.9	81.50	1.5	66.00	15.50	609.59	451.02	1105	
2	COL	W/D	F	İĞ	4/25/96	0.25	3.66	0.93		ASTM C136	100.0	100.0	99.6	89.9	68.3	58.1	48.8	28.9	23.1	19.5	97.50	1.8	66.00	31.50	1,475.54	408.07	1953	
2	DM	W/D	F	NING	4/19/96	0.20	72.85	14.80	246.4	ASTM C136	100.0	100.0	95.8	90.3	77.9	63.1	49.8	29.4	23.4	19.0	83.50	7.1	66.00	17.50	12.75	4.35	18	
					· · · · · · · · · · · · · · · · · · ·						1														1			
2	DM	W/D	F	ING	4/19/96	0.20	84.12	17.09		ASTM C136	100.0	100.0	100.0	94.4	71.0	49.7	37.2	20.6	16.4	13.7	77.70	3.9	66.00	11.70	14.50	3.06	18	
2	DM	W/D	F	NIG	4/19/96	0.20	7.32	1.49		ASTM C136	100.0	100.0	100.0	99.3	97.1	92.3	77.6	34.6	22.5	15.5	\$1.80	0.8	66.00	15.80	971.22	204 87	1264	
2	DM EST	W/D W/D	F	IG	4/19/96 4/25/96	0.20	6.10	1.24		ASTM C136	100.0	100.0	100.0	97.8	91.1	82.9	67.9	32.3	22.0	15.9	83.40	1.3	66.00	17.40	B32.66	183.78	1082	
	231	W/D	ľ	NING	4/23/90	0.51	27.43	13.94	185.1	ASTM C136	100.0	100.0	100.0	100.0	95.6	78.9	65.6	39.9	30.2	23.0	75.20	5.0	66.00	9.20	9.27	3.72	[4	
2	E ST	W/D	F	ING	4/25/96	0.51	29.87	15.17	122.0	ACTIA CITY	100.6	100.0	100.0	00.4	07.6	 -1	57.0		22 -1		21			<u></u>				
2	EST	W/D	F	NIG	4/25/96	0.51	3.66	0.93		ASTM C136	100.0	0.001	100.0	99.1	92.2 89.1	72.3	57.0 67.7	32.5	23.9	17.8	75.80	2.2	66.00	9.80	6.16 418.76	2.09	9 574	
		1775	<u>. </u>	T	1 112/1/0	1 0.23	3.00	0.73	.,41.0	UP IM C130	100.0	100.0	98.7	77.1	69.1	5U.0	07.7	30.4	23.4	18.4	11.50	2.2	66.00	11 30	418.76	115.45	574	

Wet/D	ry Vacı	uum Sa	mpk	es										Percen	t Passi	ng Sieve	e (mm)							_	Load	lings (g/n	1 ²)	February 13, 1997
round	site_id	sampl	to	strata	sampdate	transwidth	transleng	transarea	totdrywt	analysis	38.1	19.0	9.5	4.76	2.00	0.84	0.42 0	149	0.105	0.074	bagwt	petretain	bagtare	retained	ogs	airsusp	totload	notes
2	E ST	W/D	F	IG	4/25/96	0.25	3.66	0.93		ASTM C136	100.0	100.0	99.0	96.4	87.8	79.6	65.5	31.7	21.6	15.2	84.60	4.3	66.00	18.60	367.26	91.22	488	
2	KA	W/D	F	NING	4/24/96	0.25	37.49	9.52	1305.5	ASTM C136	0.001	100.0	100.0	94.8	74.9	61.1	49.7	28.6	22.2	18.0	83.70	1.4	66.00	17.70	106.66	26.54	139	
													'									'					L	
2	KA	W/D		ING	4/24/96	0.25	40.54	10.30		ASTM C136	100.0	100.0	190.0	99.3		B4.3		42.1	32.4	25.7		3.1	66.00	16.00	33.92	14.45		
2	KA	W/D	F	NIG	4/24/96	0.25	3.66	0.93		ASTM C136	100.0	100.0	97.5	87.6	64.0	54.3		30.1	24.0	20.2	82.40	0.5	66.00	16.40	2,482.39	677.45	3284	
2	KA	W/D	F	IG	4/24/96	0.51	3.66	1.86		ASTM C136	100.0	100.0	97.4	86.8	63.8	55.4		30.1	23.2	18.9	89.90	0.7	66.00	23.90	1,352.39	345.68	1774	
2	KB	W/D	F	NING	4/18/96	0.20	37.49	7.62	333.3	ASTM C136	100.0	0.001	100.0	99.5	93.8	84.0	73.1	43.1	32.5	25.6	79.00	3.9	66.00	13.00	29.53	12.91	45	
	T	T	7	1	1		1			T	····	. : : " 1			T									- 				
2	KB KB	W/D	F	ING	4/18/96 4/18/96	0.20	39.01 3.66	7.93		ASTM C136 ASTM C136	100.0	100.0	100.0	99.3	93.t 77.8	82.7		38.3	27.6 23.0	20.7	84.70	6.8	66.00	18.70	25.27	9.58	37	
2	KB	W/D	F	IG	4/18/96	0.41	3.66	1.49		ASTM CI36	100.0	100.0	98.8 99.7	92.2 97.1	90.2	68.2 85.0		31.7 50.4	39.5	32.3		3.0 5.2	66.00	18.70 21.20	322.57 166.87	88.40	431 290	
2	KING	W/D	F	NING	4/25/96	0.25	42.06	10.68		ASTM CI36	100.0	100.0	100.0	91.9	60.5	44.2		16.1	11.7	8.6		2.7	66.00	33.00	100.55	103.35 12.88	117	
	1	1	1																••••	***	77.00	L'L		33.00	100.00	12.00	- '''	
2	KING	W/D	F	ING	4/25/96	0.25	49.62	12.60	1086.4	ASTM C136	100.0	100.0	99.5	91.2	59.2	47.3	37.8	17.3	11.3	7.4	86.20	1.9	66.00	20.20	76.45	7.98	88	
2	KING	W/D	F	NIG	4/25/96	0.25	6.10	1.55		ASTM C136	100.0	100.0	99.5	94.0	62.0	49.4		19.6	14.5	11.5		0.5	66.00	20.60	2,175.63	305.93	2558	
2	KING	W/D	F	IG	4/25/96	0.25	6.10	1.55	1813.1	ASTM C136	100.0	100.0	99.8	99.1	94.7	86.7	73.2	37.2	25.6	18.2		1.0	66.00	17.90	871.02	224.63	1182	
2	N ST	W/D	F	NING	4/26/96	0.25	27.43	6.97	382.5	ASTM C136	100.0	100.0	100.0	99.9	96.3	78.9	58.9	29.5	22.5	18.0	85.30	3.9	70.50	14.80	42.54	12.01	57	•••••
	L				٠			L		L	- 1		1	- '					1			L					L	
2	N ST	W/D	F	ING	4/26/96	0.25	28.04	7.12	280.7	ASTM C136	100.0	100.0	100.0	99.8	93.6	77.3	58.0	29.6	22.6	18.1	83.80	4.7	70.50	13.30	30.50	9.00	41	
2	N ST	W/D	F	NIG	4/26/96	0.25	3.66	0.93	799.6	ASTM C136	100.0	100.0	97.6	96.0	93.9	85.6	72.7	41.3	32.0	26.8	94.90	3.1	70.50	24.40	585.26	256.93	887	
2	N ST	W/D	F	IC	4/26/96	0.25	3.66	0.93		ASTM C136	100.0	100.0	98.1	97.1	92.3	85.6		44.0	33.4	26.8	82.90	3.9	70.50	12.40	230.26	106.00	359	
2	NS	W/D	F	NING	4/16/96	0.15	48.46	7.39	793.4	ASTM C136	100.0	100.0	100.0	99.7	87.1	55.8	36.5	16. l	11.3	8.2	349.50	35.2	70.50	279.00	95.28	46.58	145	
Γ		,																				,						
2	NS	W/D	F	ING	4/16/96	0.15	42.37	6.46		ASTM C136	0.001	100.0	100.0	99.1	86.3	59.6		18.0	12.7		315.90	12.0	66.00	249.90	281.83	68.73	362	
2 2	NS NS	W/D	F	NIG IG	4/16/96	0.15	9.14 9.14	1.39		ASTM C136 ASTM C136	0.001		100.0	96.5	87.5	71.5		22.7	13.3		303.40	45.2	66.00	237.40	326.82	208.05	547	
2	OS	W/D	F	NING	4/24/96	0.13	45.72	23.23		ASTM C136	100.0	100.0	99.1	96.1 97.9	87.5 88.2	77.0 62.5		32.9 15.7	23.3	6.9	358.40 74.30	15.7 20.4	66.00	292.40	1.026.87	438.76	1549	
L -		1,5	<u> </u>	1,11,10		0.51		23.23	43.2	731111 (130		100.0	100.0		00.2	U.J	40.3	13.7	10.4		14.30	20.4	0000	8.80	1.07	0.51		
2	os	W/D	F	ING	4/24/96	0.51	51.51	26.17	288.4	ASTM C136	100.0	100.0	100.0	97.8	82.9	61.1	45.6	20.7	13.8	0.2	77.60	4.2	65.40	12.20	9.50	1.48	11	
2	OS	W/D	F	NIG	4/24/96	0.51	7.32	3.72		ASTM C136	100.0	100.0	100.0	- 1	98.1	93.4		37.1	23.8	17.0		3.8	65.50	27.70	148.42	40.57	202	
2	O\$	W/D	F	IG	4/24/96	0.51	6.10	3.10		ASTM C136	100.0	100.0	99.8	98.9	96.9	93.4		41.1	26.6	18.1		3.5	69.50	27.90	190.66	56.02	269	
2	OSD	W/D	F	NING	5/30/96	0.25	64.01	16.26	297.7	ASTM C136	100.0	100.0	100.0	97.8	89.1	77.3	63.1	42.6	34.8	27.8		7.6	70.47	22.73	11.94	6.49	20	
L	J			L	1	<u> </u>	i	l				L			i							L				L,	LL	
2	OSD	W/D	P	ING	5/30/96	0.25	70.71	17.96	293.2	ASTM C136	100.0	100.0	100.0	97.0	87.9	74.4	55.1	27.3	20.2	16.0	90.30	6.6	71.05	19.25	13.03	3.68	17	
2	OSD	W/D	F	NIG	5/30/96	0.25	7.92	2.01	1008.2	ASTM C136	100.0	100.0	99.0	97.8	96.5	93.6	84.8	49.5	35.4	25.0	108.30	3.8	70.05	38.25	323.51	144.20	520	
2	OSD	W/D	F	IG	5/30/96	0.25	6.10	1.55	925.3	ASTM C136	100.0	100.0	100.0	98.8	96.9	93.0	81.7	45.1	30.9	21.1	104.40	3.8	69.58	34.82	412.85	148.55	620	
2	RV	W/D	F	NING	4/19/96	0.20	53.95	10.96	433.1	ASTM C136	100.0	100.0	100.0	99.4	92.3	68.0	41.4	17.2	11.7	8.0	76.80	2.5	66.00	10.80	34.88	4.15	40	
					•			L		· · · · · · · · · · · · · · · · · · ·							·					L .					·	
	RV	W/D	F	ING	4/19/96	0.20	55.78	11.33		ASTM C136	100.0	0.001	100.0	97.1	87.6	74.8	58.8	28.3	19.7	14.3	85.70	1.1	66.00	19.70	123.11	23.66	155	
2	RV	W/D	F	NIG	4/19/96	0.20	3.66	0.74	1224.9	ASTM C136	100.0	0.001	99.6	97.1	90.6	82.7	67.6	32.9	22.4	16.1	92.00	2.1	66.00	26.00	1,278.92	300.32	1683	
2	RV	W/D	P	K	4/19/96	0.20	3.66	0.74		ASTM C136	100.0	100.0	100.0	97.0	90.9	85.2		35.1	21.7	15.7	90.80	3.1	66.00	24.80	854.19	204.64	1124	
2	s12	W/D	F	NING	4/26/96	0.25	27.43	6.97	391.2	ASTM C136	100.0	100.0	100.0	99.8	97.2	83.3	63.2	34.5	26.9	22.1	89.80	4.9	70.50	19.30	41 04	15.18	59	
		·			-	·																						

Wet/D	ry Vacı		_		tabase (Percen	t Passiπ	g Sieve	(mm)								Load	lings (g/m	(2)	February 13
round	site_id	sample	to	strata	sampdate	transwidth	transleng	transarea	totdry wt	analysis	38.1	19.0	9.5	4.76	2.00	0.84	0.42	0.149	0.105	0.074	bagwt	pctretain	bagtare	retained		airsusp	 ,	notes
2	s12	W/D	F	ING	4/26/96	0.25	28.04	7.12	306.3	ASTM C136	100.0	100.0	100.0	99.3	91.3	74.7	57.9	29.7	22.1	17.3	83.10	4.1	70.50	12.60	33.50	9.21	45	
2	\$12	W/D	F	NIG	4/26/96	0.25	3.66	0.93	442.3	ASTM C136	100.0	100.0	99.4	98.4	95.0	86.6	75.4	38.8	27.4	20.9	77.10	1.5		6.60	345.64	106.61	483	
2	s12	W/D	F	IG	4/26/96	0.25	3.66	0.93	517.2	ASTM C136	100.0	100.0	100.0	97.9	91.0	80.7	69.1	38.9	28.8	22.9	93.50	4.4	70.50	23.00	396.38	152.24	581	
2	113	W/D	P	NING	4/24/96	0.25	37.49	9.52	543.1	ASTM C136	100.0	100.0	98.6	97.9	93.8	80.2	65.1	39.2	31.1	26.1	91.70	4.7	66.00	25.70	39.30	£7.58	60	
2	s13	W/D	F	ING	4/24/96	0.25	32.92	8.36	835.0	ASTM C136	100.0	100.0	99.2	98.2	91.0	80.6	69.7	41.6	31.5	25.1	83.10	2.0	66.00	17.10	68.41	27.11	102	
2	s13	W/D	F	NIG	4/24/96	0.51	3.66	1.86	424.8	ASTM C136	100.0	100.0	99.i	98.0	95.6	91.7	84.0	54.1	42.8	35.9	81.20	3.6	66.00	15.20	130.77	90.26	237	V - W - W - W - W - W - W - W - W - W -
2	s13	W/D	F	IG	4/24/96	0.51	3.66	1.86	352.6	ASTM C136	100.0	0.001	9B.1	96.9	94.3	90.8	84. t	52.6	40.4	33.2	83.50	5.0	66.00	17.50	113.10	72.42	199	
2	s15	W/D	P	NING	4/25/96	0.51	29.26	14.86	92.9	ASTM C136	100.0	100.0	100.0	98.9	87.7	54.4	38.0	18.6	15.4	11.8	77.60	12.5	66.00	11.60	5.29	1.52	7	
2	s15	₩/D	F	ING	4/25/96	0.51	33.53	17.03	193.2	ASTM CI36	100.0	100.0	99.3	98.0	73.9	41.1	28.3	13.5	9.9	7.6	76.10	5.2	66.00	10.10	10.22	1.46	12	
2	s15	W/D	F	NIG	4/25/96	0.25	3.66	0.93		ASTM C136	100.0	0.001	98.6	96.4	88.0	70.7	52.8	24.7	17.8	14.0	87.30	1.0	66.00	21.30	1,983.70	360.78	2436	
2	s15	W/D	F	IG	4/25/96	0.25	3.66	0.93		ASTM C136	100.0	0.001	99.8		89.3	72.4	55.2	24.9	17.3	13.2	80.00	1.5	66.00	14.00	808.72	144.15	993	
2	s16	W/D	F	NING	4/23/96	0.20	29.26	5.95	156.5	ASTM C136	100.0	100.0	100.0	96.2	82.6	66.8	52.1	27.7	21.0	16.8	74.40	4.7	67.00	7.40	20.79	5.67	28	
2	116	W/D	F	ING	4/23/96	0.20	31.09	6.32		ASTM C136	100.0	100.0	100.0	98.2	91.0	78.7	68.2	40.8	3t.6	24.9	73.50	6.7	67.00	6.50	10.43	4.82	16	
2	116	W/D	F	NIG	4/23/96	0.41	3.66	1.49		ASTM C136	100.0	100.0	98.4	96.3	93.2	89.7	84.8	66.2	58.8	54.0	77.80	3.2	67.00	10.80	93.24	129.47	234	
2	s16	W/D	F	IG	4/23/96	0.41	3.66	1.49	369.7		100.0	100.0	100.0		95.8	92.5	87.2	65.9	55.7	48.1	83.60	4.5	I F	16.60	110.18	130.80	260	-
2	s21	W/D	F	NING	5/22/96	0.25	106.07	26.94	680.0	ASTM C136	100.0	100.0	100.0	95.3	81.6	68.2	38.5	29.4	24.9	24.1	103.70	4.9	70.24	33.46	18.95	7.32	26	
	\$21	W/D		ING	5/22/96	0.25	52.73	13.39		ASTM C136	100.0	100.0	100.0	1	80.4	68.0	51.9	25.4	17.9	14.1	B8.50	5.4	64.51	23.99	27.00	6.43	35	
2	s2 1	W/D	F	NIG	5/22/96	0.25	13.41	3.41	809. l	ASTM C136	0.001	100.0	96.0		87.7	81.4	73.9	48.9	39.3	33.3	108.60	5.5	64.46	44.14	144.16	92.04	250	
2	s2 1	W/D	F	IG	5/22/96	0.25	6.71	1.70		ASTM C136	0.001	100.0	100.0		86.2	77.2	67.6	41.8	32.1	26.0	88.10	5.4	64.43	23.67	175.28	81.02	272	
2	£36	Ŵ/D	F	NING	4/24/96	0.51	52.12	26.48	86.4	ASTM C136	100.0	100.0	100.0	98. t	83.0	62.7	48.1	21.3	13.8	8.7	73.70	9.5	65.50	8.20	2.81	0.59	4	
2	s36	W/D		ING	4/24/96	0.51	60.05	30.50		ASTM C136	100.0	100.0	100.0		88.7	74.5	58.7	24.7	15.0	8.4	80.00	5.2		14.50	7.80	1.25	10	
2	136	W/D	F	NIG	4/24/96	0.51	7.32	3.72		ASTM C136	0.001	100.0	100.0		96.1	89.5	75.6	36.3	24.5	17.6	92.30	1.3	65.50	26.80	409.12	102.58	549	
2	s36	W/D	F	IG	4/24/96	0.51	6.10	3.10		ASTM C136	100.0	100.0	99.1	97.3	94.1	88.8	76.8	34.7	21.8	[4.2	87.50	1.2		22.00	459.05	90.46	594	
2	Ŋ	W/D	F	NING	4/19/96	0.20	57.61	11.71	478.8	ASTM C136	100.0	100.0	99.6	98.5	93.6	76.0	52.6	18.8	11.5	7.4	76.50	2.2	66.00	10.50	36.20	3.92	42	
2	ıS	W/D	F	ING	4/19/96	0.20	63.09	12.82		ASTM C136	100.0	100.0	99.5	1	82.2	60.5	40.3	14.4	8.9	5.7	77.40	2.1	66.00	11.40	37.92	3.26	43	
2	ಚ	W/D	F	NIG	4/19/96	0.20	3.66	0.74		ASTM C136	100.0	100.0	99.7		92.l	84.5	68.9	27.6	16.9	1.11	84.20	1.8		18.20	1,143.03	177.17	1400	
	15	W/D W/D	F	IG NING	4/19/96 4/18/96	0.20	3.66 37.49	7.62		ASTM C136 ASTM C136	100.0	0.001	97.8 98.7	94.0 96.6	84.0 88.7	76.4 77.4	62.5 65.6	26.9 30.7	17.0 20.9	t (. 4 14.8	82.70 74.80	1.8 4.6	66.00 66.00	16.70 8.80	1,030.43	164.00 4.91	1264	
		L																		I		l			1	1	l.	
2	19 19	W/D W/D		ING NIG	4/18/96 4/18/96	0.20	39.01 3.66	7.93		ASTM C136 ASTM C136	100.0	100.0	100.0	96.5	86.5	77.6		39.7	30.1	23.4		10.3		17.00	14.56	7.02	23	
2	19	W/D		NIG IG	4/18/96	0.41	3.66	1.48		ASTM C136	100.0	100.0	98.4	94.5 99.3	69.8 96.3	60.5 89.7	53.6	28.0	19.7 37.1	1	100.30	17.6		34.30	105.33	41.37	154	
	I5A	W/D	F	NING	8/6/96	0.25	29.26	7.43		ASTM C136	100.0	100.0	100.0		93.5	67.1	81.8 45.0	53.5 21.4	15.2	28.6 11.0	85.30 79.30	7.0 8.4	66.00 65.80	19.30 13.50	115.86	65.66 4.20	197	

Street Sediment Sample Database (SEDDATA.DBF)

Page: 6	of	9
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Street	Segin	nent S	amp	ie Da	tabase (SEDDAI	W'DRL)																				Page: 6 of 9
Wet/D	гу Vасц	um Sa	mple	es										Percen	t Passi	ng Siev	e (mm))							Load	lings (g/m	2)	February 13, 1997
round	site_id	sample	to	strata	sampdate	transwidth	transleng	transarea	toldrywl	analysis	38.1	19.0	9.5	4.76	2.00	0.84	0.42	0.149	0.105	0.074	bagwt	petretain	bagtare	retained	ogs	airsusp	totload	notes
3	15A	W/D	F	1G	8/6/96	0.25	3.66	0.93	144.1	ASTM C136	100.0	100.0	95.1	94.2	92.6	87.9	76.7	43.4	30.8	22.t	66.10	-9.5	79.80	0.00	107.33	34.28	155	
3	15A	W/D	Т	10G	B/6/96	0.25	3.66	0.93	458.2	ASTM C136	100.0	0.001	89.2	79.9	74.8	70.2	63.5	37.8	26.2	20.4	93.00	5.8.	66.50	26.50	363.98	129.14	522	
ш	1			L	I	L	L	L					1			_												
3	15A	W/D	т	TONG	8/6/96	0.25	14.63	3.72	265.6	ASTM C136	100.0	100.0	95.4	88.7	79.4	53.7	36.4	18.3	13.4	10.5	88.20	8.2	66.38	21.82	61.90	13.38	77	
3	I5A	W/D	Т	NTOG	8/6/96	0.25	3.66	0.93		ASTM C136	100.0	100.0	100.0	99.2	96.8	93.4	L	51.1	34.6	24.3		6.3	66.25	9.05	101.79	47.56	165	
3	15A	W/D	T	NTONG	8/6/96	0.25	29.26	7.43	99.1	ASTM C136	100.0	100.0	100.0	99.2	94.2	76.0	1. 1	25.8	18.1	13.9	74.60	8.4	66.28	8.32	10.92	2.97	14	
3	36B	W/D	F	NING	7/16/96	0.51	53.04	26.94	86.1	ASTM C136	100.0	100.0	100.0	100.0	93.0	57.5	37.3	19.5	15.6	12.7	82.10	18.4	66.25	15.85	2.70	0.99	4	
Ц		1	<u> </u>	L	L		<u> </u>			1							!	j	l.	i			1	1			L	
3	36E	W/D	F	ING	7/16/96	0.25	76.20	19.35	1017.5	ASTM C136	100.0	100.0	89.5	65.0	44.0	31.3	22.8	10.8	7.8	6.1	93.20	2.7	65.30	27.90	48.47	4.65	54	
3	36B	W/D	F	NIG	7/16/96	0.25	7.32	1.86	2390.3	ASTM C136	100.0	100.0	100.0	95.9	85.8	68.6		25.5	18.2	13.6	98.90	1.4	65.21	33.69	1.052.31	193.09	1305	
3	36B	W/D	F	IG	7/16/96	0.25	6.10	1.55	3152.4	ASTM C136	100.0	100.0	97.5	93.3	86.3	74.5	60.3	39.4	32.3	28.2	124.70	1.9	66.34	58.36	1,378.05	611.70	2073	
3	A	W/D	F	NIG	7/26/96	0.25	3.66	0.93	84.2	ASTM C136	100.0	100.0	100.0	98.1	97.4	93.3	82.5	51.2	38.2	28.6	80.07	14.6	67.80	12.27	56.01	39.13	104	
L		1	ـــــــا	<u> </u>						L	i				I		1 1									L		
3	A	W/D	F	IG	7/26/96	0.25	3.66	0.93	234.0	ASTM C136	100.0	100.0	100.0	99.4	97.2	92.1	79.9	44.4	28.8	19.0	90.10	9.8	67.25	22.85	179.34	72.45	276	
	A	W/D		TOG	7/26/96	0.25	3.66	0.93		ASTM C136	100.0	100.0	84.7	68.7	48.9	42.9		17.7	13.2	10.8	131.40	10.3	66.82	64.58	584.97	142.30	743	
1	Ā	W/D	Т	TONG	7/26/96	0.25	12.50	3.17		AŞTM C136	100.0	100.0	100.0	96.1	88.4	81.6		42.2	28.9	19.3	80.70	28.9	67.50	13.20	10.24	6.94	19	
3	A	W/D	Т	NTOG	7/26/96	0.25	3.66		58.9	ASTM C136	100.0	100.0	100.0	1	99.2	93.9		56.2	43.8	34.8	79.80	21.6	67.10	12.70	35.63	35.73	77	
L	L	L	1			i. ", _	L				1						<u> </u>	1										A TOO TO THE TOO AT LOCATE PERSON OF THE TOTAL PARTY OF THE TOTAL P
3	A	W/D	Ť	NTONG	7/26/96	0.25	12.50	3.17	25.5	ASTM C136	100.0	0.001	100.0	100.0	98.4	91.0	76.9	45.5	36.9	26.3	74.60	30.0	66.94	7.66	5.07	4.53	10	
3	co	W/D	F	NING	8/6/96	0.25	29.26	7.43		ASTM C136	100.0	0.001	100.0	95.4	91.0	80.0		32.5	24.2	19.2	84.10	14.6	66.97	17.13	11.97	5.34	18	
3	co	W/D	F	ING	8/6/96	0.25	31.09	7.90		ASTM C136	0.001	100.0	100.0	97.5	92.2	81.7		38.5	30.7	26.0	94.80	16.4	64.90	29.90	15.96	9.78	27	
3	œ	W/D	F	NIG	8/6/96	0.25	3.66	0.93	391.0	ASTM C136	100.0	100.0	100.0	97.4	92.7	81.6	1 1	36.4	28.0	23.2	84.80	5. t	64.88	19.92	303.03	119.08	442	
L	<u> </u>	1	ш	<u> </u>		<u> </u>	<u>. </u>	1		ii	1	1	i	I	1		1 1										1	
3	co	W/D	F	IG	8/6/96	0.25	3.66	0.93	329.2	ASTM C136	100.0	100.0	100.0	96.5	92.1	82.1	66.7	32.8	23.8	19.1	80.60	4.8	64.70	15.90	270.01	84.79	371	
3	COL	W/D	F	NING	8/6/96	0.25	29.26	7.43		ASTM C136	100.0	100.0	100.0	99.8	95.1	85.3		29.6	20.5	15.1	78.60	10.4	65.85	12.75	13.14	4.21	18	
3	COL	W/D	F	ING	8/6/96	0.25	29.26	7.43		ASTM C136	100.0	100.0	94.5	91.3	82.1	72.4		27.0	19.9	14.0	76.70	11.9	67.16	9.54	8.68	2.80	12	
3	COL	W/D	F	NIG	8/6/96	0.25	3.66	0.93	447.9	ASTM C136	100.0	100.0	99.5	97.0	93.7	87.8	79.2	56.9	49.2	43.6	83.30	4.0	65.40	17.90	244.91	229.47	501	
L	l	<u> </u>				I		1		LI		1		l	l		L i			1			1					
3	COL	W/D	F	IĢ	8/6/96	0.25	3.66	0.93	142.5	ASTM C136	100.0	100.0	98.1	91.6	81.8	75.4	67.6	41.1	30.6	22.2	88.20	16.0	65.43	22.77	106.45	58.56	178	
3	DEB	W/D		NIGO	7/24/96	0.25		1.86		ASTM C136	100.0	100.0	100.0	99.6	97.4	92.7		43.0	28.7	19.5	90.40	8.0	67.12	23.28	111.82	43.11	169	
3	DEB	W/D	F	iGO	7/24/96	0.25	6.71	1.70		ASTM C136	100.0	100.0	100.0	99.5	98.4	94.3		37.2	26.5	19.2		5.9	68.79	35.41	258.06	88.21	372	
3	DEN	W/D	F	NIGO	7/26/96	0.25	3.66	0.93	1649.4	ASTM C136	100.0	100.0	100.0	95.5	87.7	79.6	64.8	29.4	18.6	11.6	87.90	1.2	67.37	20.53	1,445.17	228.04	1797	
L	!			L	L	I			···	L			l		الـــــــــــــــــــــــــــــــــ				l				L				<u> </u>	
3	DEN	W/D	F	IGO	7/26/96	0.25	3.66	0.93	1721.9	ASTM C136	100.0	100.0	95.7	91.2	84.4	78.6	68.3	32.7	20.2	12.3	94.20	1.6	67.30	26.90	1,479.04	256.93	1882	
3	DM	W/D		NING	7/16/96	0.25	72.85	18.50		ASTM C136	100.0	100.0	100.0	91.9	77.1	59.0		21.2	15.7	11.7	84.30	6.1	66.68	17.62	13.18	2.78	17	
3	DM	W/D		ING	7/16/96	0.25	84.12	21.37		ASTM C136	100.0	100.0	94.2	86.4	65.7	47.6		15.1	11.6	9.1		8.8	68.57	25.93	12.16	2.47	15	
3	DM	W/D	1	NIG	7/16/96	0.25	7.32	1.86		ASTM C136	100.0	100.0	100.0	99.4	97.6	90.2	36.5	26.9	21.1	20.8	110.90	1.9	66.59	44.31	986.05	283.79	1274	
L	L	1		L	<u> </u>													لــــــــــــــــــــــــــــــــــــــ					-2.23		- 50.05	1		
3	DM	W/D	F	1G	7/16/96	0.25	6.10	1.55	1500.6	ASTM C136	100.0	100.0	100.0	98.9	97.4	89.6	71.2	30.1	19.0	11.6	91.40	1.7	66.25	25.15	784.85	128.64	985	
	EST	W/D	1 1	NING	B/7/96	0.25	27.43	6.97		ASTM C136	100.0	100.0	100.0		96.5	75.2	1 1	15.0	12.4	8.8		43.7	65.16	4,94	1.42	0.85	נפע	
	EST	W/D		ING	M7/96	0.25	29.87	7.59		ASTM C136	100.0	100.0	100.0	100.0	88.5	76.1	65.0	49.8	45.3	44.0	68.80	13.6	65.49	3.31	1.42	1.85	- 4	
	EST	W/D	1 1	NIG	8/7/96	0.25	3.66	0.93		ASTM C136	100.0	100.0	93.7	87.7	76.7	63.5		18.3	11.7	8.7	71.70	7.3	66.55	5.15	67.39	12 18	82	
L		1	1		L	l			. 0.9		.00.0						75.0	10.3		• '	, 1.70	7.3	00.55	5.131	37.39	12 16		

Vet/D	rv Vacı	ıum Şar	nple	s	· · ·								Darren	t Passin	a Sieve	(mm)								7	:	2\	Februar
			<u> </u>			4			totdrywt analysis	38.1	19.0	9.5			<u> </u>	<u> </u>	140 0	0.105	0.024		T	T		-	ings (g/m		
round	_ Site_io	sample	w	SURIA	sampoate	transwidth	uansieng	transarea	toturywtj analysis	38.1	19.0	9.5	4.76	2.00	0.84	0.42 0	.149 0	J.105	0.074	bagwt p	ctretain	bagtare	retained	ogs	airsusp	totload	notes
3	E ST	W/D	F	IG	8/7/96	0.25	3.66	0.93	304.3 ASTM C13	5 100.6	100.0	100.0	90.2	79.0	59.7	38.4	13.2	7.8	5.4	73.90	2.8	65.35	8.55	302.00	26.89	337	
3	IOW	W/D	F	NIGO	7/24/96	0.25	3.66	0.93	2029.1 ASTM C13	5 100.0	0.001	100.0	93.5	80.6	68.5	54.0	20.5	10.3	5.8	126.20	2.9	67.30	58.90	1,959.14	190.08	2248	
3	IOW	W/D	P	iGO	7/24/96	0.25	3.66	0.93	116.3 ASTM C13	5 100.0	100.0	98.2	90.9	81.1	73.3	61.6	25.5	14.7	9.2	76.70	8.0	67.44	9.26	106.78	21.48	135	
3	KA	W/D	F	NING	7/9/96	0.25	37.49	9.52	294.3 ASTM C13	5 100.0	100.0	97.9	92.0	88.3	74.5	57.B	31.2	22.7	16.8	90.40	7.5	68.24	22.16	23.89	7.52	33	
3	KA	W/D	F	ING	7/9/96	0.25	40.54	10.30	252.3 ASTM C13	5 100.0	100.0	100.0	98.3	91.2	78.9	61.2	31.9	23.0	16.5	90.20	9.2	66.98	23.22	18.87	6.30	27	· · · · ·
3	KA	W/D	F	NIG	7/9/96	0.25	3.66	0.93	1175.4 ASTM C13	5 100.0	100.0	91.8	87.2	81.2	76.6	63.4	35.9	25.9	19.7	100.80	2.9	66.83	33.97	937.50	285.81	1302	
3	KA	W/D	P	IG	7/9/96	0.25	3.66	0.93	870.0 ASTM C13		100.0		1 i	82.5	76.2	66.1	37.4	26.9	19.6	134.20	7.9	65.22	68.98	684.55	257.80	1011	
3	KB	W/D	F	NING	8/8/96	0.25	37.49	9.52	II8.8 ASTM C13	5 100.0	100.0	100.0	99.5	95.5	72.6	48.0	18.6	12.7	9.3	83.40	13.8	67.00	16.40	10.89	2.88	14	
3	KB	W/D			8/8/96	0.25	39.01	9.91	BZ.I ASTM C13			1	L	93.1	68.8	43.5	16.6	11.0	8.5	73.40	7.9	66.94	6.46	7.37	1.36	9	
3	KB	W/D	F	NIG	B/8/96	0.25	3.66	0.93	309.4 ASTM C13					86.8	80.7		44.0	35.1		101.20	11.2	66.66	34.54	216.14	135.76	370	
3	KB	W/D	F	IG	8/8/96	0.25	3.66	0.93	80.7 ASTM C13				L	93.7	89.1	81.0	48.2	33.6	23.9	77.50	13.6	66.54	10.96	57.68	32.56	99	
3	KB	W/D	Т	TOG	8/8/96	0.25	3.66	0.93	149.8 ASTM C13	5 100.0	100.0	97.7	90.9	79.5	70.4	59.0	30.6	22.0	16.2	83.10	12.0	65.11	17.99	125.77	45.49	181	
3	KB	L	Т		8/8/96	0.25	37.49	9.52	100.7 ASTM C13			100.0	97.8	91.6	71.9		20.6	14.0	10.8	76.40	11.3	65.05	11 35	9.09	2.33	12	
3	KB	W/D	T	NTOG	8/8/96	ρ.25	3.66	0.93	88.2 ASTM C13					94.0	90.4	84.0	55.4	41.5	30.3	78.40	13.5	66.52	11.88	55.54	41.55	108	
3	KB	W/D	T	NTONG	8/8/96	0.25	37.49	9.52	83.6 ASTM C13					95.2	70.8	43.7	16.6	11.4	8.7	73.70	9.7	65.56	8.14	7.78	1.62	10	
3	KING	W/D	F	NING	7/16/96	0.25	44.32	11.26	303.5 ASTM C13	5 100.0	100.0	99.3	98.2	87.6	70.0	54.7	28.2	20.5	14.9	90.10	8.1	65.38	24.72	21.43	6.21	29	
3	KING	W/D	1	ING	7/16/96	0.25	49.62	12.60	233.8 ASTM C136		1	L	ł I	88.2	1		24.9	17.5	11.9	85.40	8.0	66.66	18.74	15.30	3.69	20	
3	KING	W/D		NIG	7/16/96	0.25	3.66	0.93	3307.8 ASTM C13	1			<u> </u>	81.6	65.3		19.4	12.2		107.20	1.2	66.48	40.72	3,126.10	325.11	3604	
3	KING	W/D	. 1	IG	7/16/96	0.25	6.10	1.55	675.3 ASTM C13	1	1	1	i l	92,2	B4.3		35.5	22.9	14.6	90.60	3.6	66.42	24.18	336.19	79.28	452	
3	LKOT	₩/D	F	NIGO	1/7/96	0.25	3.66	0.93	364.1 ASTM C130	100.0	100.0	100.0	99.6	97.6	92.2	78.0	44.5	33.3	26.5	97.80	B.6	66.66	31.14	261.41	137.38	425	
3	LKOT	W/D	F	IGO	8/7/96	0.25	3.66	0.93	438.1 ASTM C136	5 100.0	100.0	100.0	98.5	94.9	86.8	81.2	66.7	40.6	18.9	101.50	8.0	66.64	34.86	280.1 t	126.65	509	
3	MUL	W/D	F	NIGO	7/24/96	0.25	7.32	1.86	392.4 ASTM C136		1		ł I	98.0	94.2	[42.7	27.2		113.50	11.4	68.60	44.90	153.74	62.81	235	
3	MUL	W/D	ř	IGO	7/24/96	0.25	6.10	1.55	712.4 ASTM C136					97.B	93.6		39.0	26.4		117.60	6.9	68.72	48.88	338.56	87.22	492	
3	NLTS	W/D	F	NING	7/26/96	0.25	94.52	24.01	84.5 ASTM C130	100.0	100.0	100.0	98.6	71.4	42.4	24.5	13.0	3.2	0.6	72.80	6.5	67.30	5.50	3.41	0.25	4	
3	NLTS	W/D	F	ING	7/26/96	0.25	49.04	12.46	90.0 ASTM C13	100.0	100.0	100.0	97.7	83.2	50.2	30.9	9.8	6.0	4.2	72.60	5.5	67.67	4.93	6.79	0.70	8	
3	NLTS	W/D	F	NIG	7/26/96	0.25	8.53	2.17	1412.3 ASTM C130	100.0	100.0	95.7	91.7	81.0	68.3	50.6	18.9	10.8		94.30	1.9	66.89	27.41	581.23	56.30	664	
3	N LTS	W/D	F	ΙG	7/26/96	0.25	4.27	1.08	1075.3 ASTM C136	100.0	100.0	98.4	96.1	90.6	77.9	58.5	23.4	13.8	8.9	86.30	1.8	67.43	18.87	854.94	105.68	1009	
3	N ST	W/D	F	NING	7/8/96	0.25	27.43	6.97	548.9 ASTM C130	100.0	100.0	97.5	67.4	63.4	51.4	30.3	8.6	5.5	3.9	94.90	4.9	67.80	27.10	74,44	6.96	83	
3	N ST	W/D	F	ING	7/8/96	0.25	28.04	7.12	831.1 ASTM C130	100.0	100.0	96.5	91.5	84.0	75.0	60.8	32.4	24.8	19.6	77.90	1.4	66.55	11.35	87.74	24.46	118	
3	N ST	W/D	F	NIG	7/8/96	0.25	3.66	0.93	1364.9 ASTM C136	100.0	100.0	91.0	85.6	27.7	67.3	53.3	26.0	19.1	14.6	92.10	1.9	66.40	25.70	1,188.55	242.16	1497	
3	N ST	W/D	F	IG	7/8/96	0.25	3.66	0.93	374.7 ASTM C136	100.0	100.0	98.8	95.5	87.1	69.7	40.9	12.3	7.9	5.4	95.20	7.5	67.18	28.02	371.46	51.94	433	
3	NLTB	W/D	F	NIGO	7/26/96	0.25	3.66	0.93	252.8 ASTM C136	100.0	100.0	95.8	93.4	86.2	72.9	52.5	22.2	14.1	8.8	81.70	5.5	67.68	14.02	233.74	39.04	287	
3	NLTB	W/D	F	IGO	7/26/96	0.25	3.66	0.93	729.9 ASTM C134	100.0	100.0	99.1	93.0	94 2	73.2	52.8	21.3	12 41	- 27	00.40			77.71	605 An T			
3	NS NS	W/D		NING	1/20/90	0.23	3.00	0.93	729.9 ASTM C130) 100.0	100.0 p	99.L	73.0	86.3	13.2	32.8	41.5	12.8	8.0	90.40	3.2	67.09	23.31	685.09	87.94	811	

Wet/D	ry Vac	uum Sa	mpl	es										Percen	t Passi	ing Sieve	(mm)								Loa	dings (g/m	2)	February 13, 1997
round	site_ic	d sampl	e to	strata	sampdate	transwidth	transleng	transarea	totdrywt and	alysis 38	.1	19.0	9.5	4.76	2.00	0.84	0.42	0.149	0.105	0.074	bagwt	petretain	bagtare	retained	ogs	airsusp	totload	notes
3	NS	W/D	P	ING	7/16/96	0.25	41.15	10.45	671.7 AST?	M C136 1	0.00	100.0	97.7	94.2	84.3	63.5	45.7	23.5	21.5	13.7	95.20	4.3	66.55	28.65	50.45	11.55	67	
3	NS	W/D	F	NIG	7/16/96	0.25	9.14	2.32	4148.7 AST	M C136 1	0.00	100.0	97.1	92.7	80.4	65.8	48.9	20.7	14.t	10.2	92.70	0.6	66.67	26.03	1,534.39	193.40	1797	
L	1	1	· · · · ·			·		L							1	L1	L	J					L	L,,,.,.		i		
3	NS	W/D	F	IG	7/16/96	0.25	10.36	2.63	8844.0 ASTI	M C136 1	0.00	100.0	100.0	97.1	87.6	73.0	54.7	23.7	16.1	11.6	88.50	0.2	67.21	21.29	2,819.25	397.88	3368	
3	OS	W/D	F	NING	7/17/96	0.51	45.72	23.23	18.1 ASTI	M C136 1	0.00	100.0	100.0	100.0	94.5	69.1	47.5	26.5	18.8	13.8	65.20	0.8	65.05	0.15	0.63	0.11	·	
3	OS	W/D	F	ING	7/17/96	0.51	51.51	26.17	46.6 AST	M C136 1	0.00	100.0	100.0	95.9	87.6	68.7	52.1	20.8	15.0	13.1	76.00	21.8	65.82	10.18	1.51	0.62	2	
3	OS	W/D	F	NIG	7/17/96	0.25	7.32	1.86	344.3 AST	M C136	0.00	100.0	100.0	96.2	92.2	78.9	58.6	20.9	10.0	3.3	83.10	5.0	65.72	17.38	166.77	15.47	195	The second second second second second second
L.		•				·																		L		1		
3	OS	W/D	F	IG	7/17/96	0.25	6.10		324.1 ASTI	M C136	0.00	100.0	98.0	96.5	92.2	81.6	62.8	27.3	16.8	10.6	79.50	4.3	65.59	13.91	174.12	31.16	218	
3	OSD	W/D	F	NING	7/17/96	0.25	64.01	16.26	487.9 ASTI	M C136 I	0.00	100.0	100.0	89.6	60.9	43.5	29.4	12.9	9.2.	7.2	78.20	2.7	65.26	12.94	27.25		31	
3	OSD	W/D	F	ING	7/17/96	0.25	70.71	17.96	271.4 ASTI	M C136 1	0.00	100.0	100.0	90.9	59.1	41.4	27.4	10.9	7.7	6.3	81.80	6.2	64.90	16.90	13.95	1.89	16	
3	OSD	W/D	F	NIG	7/17/96	0.25	7.32	1.86	3057.9 ASTI	M C136 I	0.00	100.0	100.0	96.4	89.0	78.3	57.6	24.5	16.2	10.9	92.40	0.9	65.64	26.76	1,379.14	193.79	1660	
																	1		1			· · · · · · · · · · · · · · · · · · ·	·	·	·	٠	L	
3	OSD	W/D	F	IG	7/17/96	0.25	6.10	1.55		M C136 U	0.00	100.0	100.0	95.7	87.5	76.7	58.4	25.4	16.6	11.1	88.40	0.8	65.25	23.15	1,535.53	219.32	1856	
3	RV	W/D	F	NING	7/17/96	0.25	53.95	13.70				100.0	100.0	98.7	96.1	82.4	53.0	13.3	8.2	5.4	81.10	8.5	66.35	14.75	11.57	1.76	14	
3	RV	W/D	F	ING	7/17/96	0.25	55.78	14.17	687.8 AST			100.0	100.0		90.7	83.8	63.0	22.0	14.0	9.4	84.70	2.7	66.29	18.41	41.75		50	
3	RV	W/D	F	NIG	7/17/96	0.25	3.66	0.93	412.5 AST	M C136	0.00	100.0	95.6	89.6	78.7	73.0	60.6	28.6	18.1	13.3	88.70	5.2	67.15	21.55	363.64	82.25	467	
3	RV	W/D	_i	IG	7/17/96	0.25	3.66	0.93	581.7 ASTN		0.00	0.001	95.8	91.8	81.3		69.1	35.4	24.9	18.1	94.40	5.1	64.97	29.43	470.23		658	
3	SP	W/D	1	NIGO	7/24/96	0.25	7.32	i.86	454.2 AST3			0.001	100.0	L	88.9		59.8	26.2	18.4	14.2	99.10	6.9	67.80		199.47		261	
3	SP	W/D	1	IGO	7/24/96	0.25	6.10	1.55	126.9 AST	1		100.0	100.0		85.4	1 1	L	21.2	13.5	9.3	87.40	14.8	68.56		70.88	l .	94	
3	sl2	W/D	F	NING	7/8/96	0.25	27.43	6.97	261.0 ASTA	M C136 14	0.00	100.0	100.0	98.8	93.4	75.6	49.0	19.0	13.5	10.3	77.10	3.8	67.28	9.82	32.40	5.27	39	
	1			r · · · · · · · · · · ·																т				,		,		ERANE YEAR AND BUILD
3	sl2	W/D	1	ING	7/8/96	0.25	28.04	7.12	238.0 ASTN	1		0.001	100.0		92.5			17.3	10.3	6.9	75.60	4.6	64.55			1	35	
3	s12	W/D	1	NIG IG	7/8/96	0.25	3.66	0.93	292.0 ASTN	1		100.0	98.7		84.6	76.2	62.7	30.9	20.7	13.9	87.80	6.2	69.77	18.03	249.24		334	
3	sl2 sl3	W/D W/D	1	NING	7/8/96 7/9/96	0.25 0.25	3.66 32.92	0.93 8.36	490.2 ASTN 283.6 ASTN	1		100.0	96.5		75.7	64.9		23.6	16.4	11.7	91.30	4.4	69.87	21.43	441.11		551	
L.,	\$13			NING	//9/96	0.25	32.92	8.30	283.0 AS IN	M C136	0.00	100.0	100.0	98.6	96.8	B6.6	73.7	43.0	32.9	26.4	94.60	10.2	65.54	29.06	22.76	12.43	37	
3	s13	T	F	ING	7/9/96	1 22	22.40		200 0 1 1 000										[
3	\$13	W/D W/D		NIG	7/9/96	0.25 0.25	37.49 3.66	9.52 0.93	252.9 ASTN 202.4 ASTN			100.0	95.2	99.6 89.6	96.3 84.3	82.0 79.8	68.0 70.9	38.6 38.4	28.9	22.4	98.00	11.8	68.24 66.60	29.76 23.00			30	
3	\$13 \$13	W/D		IG	7/9/96	0.25	3.66	0.93	158.3 ASTN		!_	100.0	97.9		89.3		76.0	43.6	32.3	25.3	89.60	11.4	67.15	L			243	
3	s13	W/D		TOG	8/8/96	0.25	3.66	0.93	413.6 ASTN			100.0	94.2		77.8		54.4	30.1	23.1	18.9	94.60	13.7 6.7	66.90	l			194	
	•••	1,,,,	Т <u>. </u>	100	10070		2.00		713.0 71011	in cisa 1	70.0	100.0	,,,,,		77.0		.,,,,		23.1	10.7	74.00		00.50	21.70	342.33	113.70	473	
3	s13	W/D	T	TONG	8/8/96	0.25	32.92	8.36	457.1 ASTN	M C 136	0.00	100.0	100.0	08.3	94.0	70.3	51.3	25.9	19.9	16.7	07.70	6.0	66.12	27.23	43.50	12.70	58	
3	s13	W/D	1 -	NTOG	8/8/96	0.25	3.66	0.93	39.3 ASTN	I .		100.0	100.0		95.4	91.9		42.0	30.0	24.2	93.70 77.50	27.9	66.47 66.55		43.79 29.61	1 .	54	·- ·- · · · · · · · · · · · · · · · · ·
3	s13	W/D		NTONG	l	0.25	32.92	8.36	235.3 ASTN	i	0.00	100.0	100.0	1	90.4	73.9	L	14.6	13.0	10.4	91.30	10.2	67.21	24.09	24.48	1 .	21	~~.~
3	s15	W/D		NING	8/7/96	0.25	29.26	7.43	13.6 ASTN		1	100.0		100.0	89.7	56.6		13.2	11.0	5.1	72.10	41.2	66.50	i .	1.63	L	31	
	L		Щ.		J											50.0	23.0					71.2		L	1.03		3	
3	s15	W/D	F	ING	B/7/96	0.25	33.53	8.52	18.8 ASTN	MCIXET "	0.00	100.0	100.0	97.3	79.8	50.5	35. t	14.9	11.7	8.5	64.90	-2.2	65.31	0.00	1.05	177 6751		
3	s15	W/D		NIG	8/7/96	0.25	3.66	0.93	579.2 ASTN			100.0	100.0	1	89.0	i	58.8	26.6	19.0	14.3	89.80	4.2		L	1.95 504.99	1	650	
3	s15	W/D		iG	8/7/96	0.25	3.66	0.93	664.1 ASTN			100.0		92.4	83.0		56.4	26.3	18.6	13.3	84.10	2.9		19.37	581.87	1	736	
3	s16	W/D		NING	8/6/96	0.25	29.26	7.43	117.0 ASTN			100.0		99.2	93.2		48.4	23.4	16.9	13.2	76.70	8.8	66.42	19.37	13.08	1 1	1.70	
L		1	Т.		L	L1		1									/		,,,,			J.6				L	1'	

	ry Vacu															ng Siev								_	Load	lings (g/n	n²)	February 13, 1997
round	site_id	sample	to	strata	sampdate	transwidth	transleng	transarea	totdrywt	analysis	38.1	19.0	9.5	4.76	2.00	0.84	0.42	0.149	0.105	0.074	bagwt	pctretain	bagtare	retained	ogs	airsusp	totload	notes
3	s16	W/D	F	ING	8/6/96	0.25	30.94	7.86	97.7	ASTM C136	100.0	100.0	100.0	98.2	88.7	68.2	49.1	24.1	16.7	12.8	77.30	10.7	66.85	10.45	10.36	2.92	14	
3	216	W/D	F	NIG	EV6/96	0.25	3.66	0.93	223.6	ASTM C136	100.0	100.0	95.9	92.6	87.0	79.7	65.0	33.9	25.0	19.4	98.10	14.1	66.51	31.59	180.51		275	
3	s16	W/D	F	IG	8/6/96	0.25	3.66	0.93	205.5	ASTM C136	100.0	100.0	100.0	B7.4	63.i	54.3	44.4	25.0	19.1	15.3	80.60	7.0	66.12	14,48	178.95	49.43	237	
3	s16	W/D	T	TOG	8/6/96	0.25	4.88	1.24	577.9	ASTM C136	100.0	100.0	100.0	95.4	88.4	78.7	67.5	41.6	33.7	28.6	92.80	4.5	66.81	25.99	309.39	154.45	488	
	,	_			r																							
L	s16	1		TONG	8/6/96	0.25	28.04	1		ASTM C136	100.0	100.0	100.0		91.4	60.3		17.8	13.4	10.7	80.50	10.L	66.71	13.79	16.57	3.98		
3	\$ 16	W/D	T	NTOG	8/6/96	0.25	4.88	1.24		ASTM C136	100.0	100.0	100.0		96.1	90.5		50.9	39.8	32.0	81.20	11.6	66.50	14.70	61.83	44.74	115	
3	sló	W/D	Т	NTONG		0.25	28.04]	l	ASTM C136	100.0	0.001	100.0	99.2	89.5		51.9	24.7	17.9	13.7	78.10	15.0	66.65	11.45	8.82	3.08	12	
3	s20	W/D	F	NIGO	8/7/96	0.25	3.66	0.93	200.1	ASTM C136	100.0	100.0	100.0	96.2	86.2	81.0	74.8	44,4	30.9	23.3	86.80	11.0	64.80	22.00	148.83	73.87	239	
3	s20	W/D	F	IGO	8/7/96	0.25	3.66	0.93	1000.4	ASTM C136	100.0	100.0	98.6	92.4	73.8	65.1	55.4	31.3	24.4	17.2	90.10	2.5	65.59	24.51	814.08	211.60	1103	
3	s21	W/D	F	NING	8/12/96	0.25	106.07	26.94	931.6	ASTM C136	100.0	100.0	99.2	- 1	88.0	65.2		18.5	12.8	10.1	93.60	3.0	65.34	28.26	30.15	4.54	36	
3	s21	W/D	F	ING	8/12/96	0.25	52.73	13.39	123.8	ASTM C136	100.0	100.0	100.0	96.8	79.8		1 1	16.2	11.2	8.4	75.20	8.0	65.35	9.85	8.21		10	
3	s21	W/D	F	NIG	8/12/96	0.25	13.41	3.41	1603.2	ASTM C136	100.0	100.0	94.4	88.4	80.1	66.9	52.5	26.7	19.0	15.5	122.30	3.5	65.43	56.87	381.18	89.64	487	
															,												I	
3	s21	W/D	LI	tG	8/12/96	0.25	6.71	L.70	189.8	ASTM C136	100.0	100.0	93.0	89.6	84.4	77.0		44.8	32.8	32.0	82.80	8.8	66.05	16.75	74.90	45.50	121	
3	s36	W/D	1	NING	7/17/96	0.51	52.12	26.48	63.6	ASTM C136	100.0	100.0	100.0	100.0	89.0	67.0	48.3	27.5	22.3	19.3	78.90	21.4	65.31	13.59	1.87	0.98	3	
3	s36	W/D	: 1	ING	7/17/96	0.51	60.05		165.8	ASTM C136	100.0	100.0	100.0	98.3	68.2	69.3	48.0	21.5	15.6	12.0	79.70	8.8	65.13	14.57	4.59	1.13	6	
3	s36	W/D	F	NIG	7/17/96	0.25	7.32	1.86	1191.8	ASTM C136	100.0	100.0	100.0	96.7	86.8	72.5	54.8	25.3	17.5	12.6	101.80	3.1	65.00	36.80	529.17	100.62	661	
3	s36	W/D	F	IG	7/17/96	0.25	6.10	1.55	880.2	ASTM C136	100.0	100.0	100.0	97.4	92.2	83.2	67.7	29.1	17.7	12.1	109.40	5.1	64.77	44.63	467.75		597	
3	s5	W/D		NING	7/17/96	0.25	57.6t	l		ASTM C136	100.0	100.0		99.8	62.7	53.4		15.6	10.4	8.1	79.60	5.8	66.90	12.70	13.42	97.59 2.08	16	
3	s5		1	ING	7/17/96	0.25	63.09			ASTM C136	100.0	100.0			93.9	78.2		19.1	12.0	7.9	78.50	6.5	65.62	12.88	10.95	1.79		
3	s5	W/D		NIG	7/17/96	0.25	3.66	l i		ASTM C136	100.0	100.0	i		94.0	89.7	1	66.2	41.8		94.60	20.3	65.59	29.01	89.65			
	1					<u> </u>		1												1							L	
3	s5	Ŵ/D	F	iG	7/17/96	0.25	3.66	0.93	170.6	ASTM C136	100.0	100.0	100.0	98.8	96.3	93.6	82.1	37.3	23.6	15.7	82.50	9.9	65.69	16.81	140.29	46.92	202	
3	s6	W/D	F	NIGO	7/24/96	0.25	3.66	0.93	94.7	ASTM C136	100.0	100.0	98.4	93.7	92.5	88.2	76.0	36.2	23.8	15.5	89.80	22.1	68.86	20.94	77.67	38.34	124	
3	s6	W/D	F	IGO	7/24/96	0.25	3.66	0.93	238.5	ASTM C136	100.0	100.0	98.0	93.8	88.7	82.0	70.4	34.5	23.0	15.3	88.20	8.3	68.50	19.70	197.67	60.48	278	
3	s9	W/D	F	NING	8/8/96	0.25	37.49	9.52	37.6	ASTM C136	100.0	100.0	100.0	98.1	93.6	81.1	53.5	17.8	12.5	9.0	70.80	10.8	66.75	4.05	3.45	0.78	4	
		· · · · · · · · · · · · · · · · · · ·				······································																					•	
3	19	W/D	F	ING	8/8/96	0.25	39.01	9.91		ASTM C136	100.0	100.0			94.2	79.7		21.2	13.9	10.3	71.90	16.5	66.45	5.45	2.87	0.89	4	
3	59	W/D	F	NIG	8/8/96	0.25	3.66	0.93		ASTM C136	100.0	100.0			95.9	91.9		31.2	19.2	12.7	73.30	17.8	66.72	6.58	32.09	12.13	47	
3	s9	W/D	F	IG	8/8/96	0.25	3.66	0.93	62.9	ASTM C136	100.0	100.0	100.0	100.0	86.8	71.9	63.8	53.1	25.6	16.4	74.40	12.4	66.60	7.80	50.37	19.50	76	

HEPA	Sample	es					······································							Percent	t Passii	ng Sieve	(mm)								Load	ings (g/m²)	February 13, 1997
round	site_id	sample	to	strata	sampdate	transwidth	transleng	transarea t	otdrywt	analysis	38.1	19.0	9.5	4.76	2.00	0.84	0.42	0.149	0.105	0.074	bagwt	pctretain	bagtare	retained	ogs	airsusp to	tload notes
1	15A	HEPA	F	ING	4/10/96	0.25	29.26	7.43	1488.0	ASTM C136	100.0	100.0	99.9	89.7	38.1	23.4	19.3	11.6	8.9	7.3	0.00	0.0	0.00	0.00	182.39	14.62	200 3 FILTERS
ì	15A	HEPA	F	NING	4/10/96	0.25	29.26	7.43	372.4	ASTM C136	100.0	100.0	99.0	87.6	62.3	42.9	33.9	18.6	14.6		0.00	0.0	0.00	0.00	42.79	6.06	50 2 FILTERS
1	COL	НЕРА	F	ING	4/10/96	0.25	29.26	7.43	1267.7	ASTM C136	100.0	100.0	100.0	89.2	40.1	24.6	19.5	12.1	9.9	1	0.00	0.0	0.00	0 00	153.68	14.50	171 2 FILTERS
1	COL	HEPA	Þ	NING	4/10/96	0.25	29.26	7.43	528.1	ASTM C136	100.0	100.0	100.0	91.1	66.0	42.B	29.0	13.7	9.3	8.5	0.00	0.0	0.00	0.00	64.45	6.04	71 2 FILTERS
	L	L	L	l	<u> </u>	<u> </u>														L i					[
1	N LTS	HEPA	F	ING	3/22/96	0.25	41.73	10.60	496.1	ASTM C136	100.0	0.001	100.0	99.2	90.9	59.7	37.2	15.0	11.2	9.3	0.00	0.0	0.00	0.00	41.57	4.35	47
1	N LTS	HEPA	F	NING	3/22/96	0.25	40.51	10.29	67.0	ASTM C136	100.0	0.0	0.0	100.0	82.1	40.3	25.2	7.0	5.2	4.8	0.00	0.0	0.00	0.00	6.17	0.31	7
1	os	HEPA	F	ING	3/21/96	0.25	36.27	9.21	837.3	ASTM C136	100.0	0.001	100.0	96.3	72.0	51.6	38.0	17.2	12.6	10.5	0.00	0.0	0.00	0.00	79.43	9.54	91
1	os	HEPA	F	NING	3/21/96	0.25	45.72	11.61	116.2	ASTM C136	100.0	100.0	100.0	98.4	86.5	48.6	28.7	12.1	10.0	8.5	0.00	0.0	9.00	0.00	9.01	0.85	10
L	l		1	L	1					L	L				1		L			1					1		
1	OSD	HEPA	F	ING	4/16/96	0.25	31.70	8.05	768.8	ASTM C136	100.0	100.0	100.0	97.9	77.1	60.5	48.4	23.2	16.6	12.7	0.00	0.0	0.00	0.00	79.63	12.13	95
1	OSD	HEPA	F	NING	4/16/96	0.51	62.79	31.90	233.0	ASTM C136	100.0	100.0	100.0	100.0	88.7	50.3	30.2	10.7	7.4	5.3	0.00	0.0	0.00	0.00	6.76	0.39	7
ı	RV	HEPA	F	ING	3/27/96	0.25	55.78	14.17	1555.5	ASTM C136	100.0	100.0	99.5	91.9	49.2	36.1	29.5	16.0	11.6	8.9	0.00	0.0	0.00	0.00	97.06	9.77	110
1	RV	НЕРА	F	NING	3/27/96	0.25	53.95	13.70	668.0	ASTM C136	100.0	100.0	100.0	91.6	52.5	29.4	21.1	9.9	7.2	5.8	0.00	0.0	0.00	0.00	45.24	2.83	49
	L	i			1	L		LL		ı. İ		1	1							اـــــا		L					
I	x36	HEPA	F	ING	3/21/96	0.25	42.67	10.84	951.5	ASTM C136	100.0	100.0	99.7	97.2	71.0	50.9	39.9	20.4	15.6	12.6	0.00	0.0	0.00	0.00	74.09	11.06	BB TWO TRANSECTS (T 5, T10)
	£36	HEPA	F	NING	3/21/96	1 0.25	34.75	8.83	732.3	ASTM C136	100.0	100.0	100.0	91.1	47.6	33.6	27.2	12.0	8.3	6.2	0.00	0.0	0.00	0.00	76.09	5.14	83
	s 5	HEPA	F	ING	3/27/96	0.25	63.09	16.03	2103.0	ASTM C136	100.0	100.0	100.0	96.1	70.0	52.5	37.6	14.2	9.1	6.6	0.00	0.0	0.00	0.00	119.28	8.66	131
1	s5	HEPA	F	NING	3/27/96	0.25	57.61	14.63	1119.3	ASTM C136	100.0	100.0	100.0	99.2	82.8	61.9	42.4	16.5	11.3	10.1	0.00	0.0	0.00	0.00	67.85	7.73	76
L			<u> </u>		I					1	1		i							L 1		,,,,,,,,					
2	I5A	HEPA	F	ING	4/25/96	0.25	19.51	4.95	210.7	ASTM C136	0.001	100.0	100.0	100.0	98.4	94.4	89.2	60.8	50.1	42.2	0.00	0.0	0.00	0.00	21.22	17.95	43 2 TRANSECTS ONLY (5.50)
2	15A	HEPA	F	NING	4/25/96	0.25	19.51	4.95	248.3	ASTM C136	100.0	100.0	100.0	99.9	98.2	92.3	85.0	60.9	51.0	45.1	0.00	0.0	0.00	0.00	24.56	22.60	50 2 TRANSECTS ONLY (5,50)
2	CO	HEPA	F	ING	4/23/96	0.20	21.34	4.34	322.4	ASTM C136	100.0	100.0	100.0	99.4	94.7	83.8	70.6	38.7	29.8	24.2	0.00	0.0	0.00	0.00	52.20	17.99	74 2 TRANSECTS ONLY 5,50
2	co	HEPA	F	NING	4/23/96	0.20	29.26	5.95	249.8	ASTM C136	0.001	100.0	100.0	100.0	1.89	90.8	78.3	46.6	36.7	30.4	0.00	0.0	0.00	0.00	26.59	12.77	42
L	L		L		L	······································				·		l	1										l				
2	COL	HEPA	F	ING	4/25/96	0.25	19.51	4.95	427.8	ASTM C136	100.0	100.0	100.0	100.0	96.9	89.5	81.5	56.8	47.3	40.8	0.00	0.0	0.00	0.00	45.50	35.23	86 2 TRANSECTS ONLY (5,50)
2	COL	HEPA	F	NING	4/25/96	0.25	19.51	4.95	319.3	ASTM C136	100.0	100.0	100.0	100.0	99.4	96.2	86.8	54.4	43.8	37.7	0.00	0.0	0.00	0.00	36.22	24.30	64 2 TRANSECTS ONLY (5,50)
2	DM	HEPA	F	ING	4/19/96	0.20	84.12	17.09	236.7	ASTM C136	100.0	100.0	100.0	95.0	76.2	55.0	43.2	25.4	21.1	18.2	0.00	0.0	0.00	0.00	10.93	2.52	14
2	DM	HEPA	F	NING	4/19/96	0.20	72.85	14.80	174.8	ASTM C136	100.0	0.001	100.0	97.3	81.6	62.7	49.5	28.8	23.4	19.5	0.00	0.0	0.00	0.00	9.05	2.30	12
	L. <u></u>									L																	
2	KING	HEPA	F	ING	4/25/96	0.25	49.62	12.60	1697.1	ASTM C136	100.0	100.0	99.6	96.1	45.4	31.0	27.5	14.4	10.1	8.5	0.00	0.0	0.00	0.00	121.05	11.44	135
2	KING	HEPA	F	NING	4/25/96	0.25	26.67	6.77	883.1	ASTM C136	100.0	100.0	100.0	97.7	70.9	54.9	44.4	24.1	18.3	14.5	0.00	0.0	0.00	0.00	106.50	18.90	130 2 TRANSECTS ONLY (5,50)
2	os	HEPA	F	ING	4/25/96	0.25	51.51	13.03	164.5	ASTM C136	100.0	100.0	98.3	93.4	79.3	62.1	51.3	24.3	17.3	12.5	0.00	0.0	0.00	0.00	£0.44	1.58	13 DOUBLE SAMPLED
2	os	HEPA	F	NING	4/25/96	0.51	45.72	23.23	41.9	ASTM C136	100.0	100.0	100.0	100.0	95.9	82.t	65.3	38.8	31.6	24.0	0.00	0.0	0.00	0.00	1.23	0.43	2 DOUBLE SAMPLED
		l			l	L		i											I								
2	OSD	HEPA	F	ING	5/30/96	0.25	70.71	17.96	312.5	ASTM C136	100.0	100.0	100.0	96.9	90.6	80.7	69.7	43.2	34.6	26.8	0.00	0.0	0.00	0.00	11.38	4.66	17
2	OSD	HEPA	F	NING	5/30/96	0.25	44.50	11.30	329.1	ASTM C136	100.0	100.0	100.0	98.4	97.1	94.0	85.5	62.0	51.0	42.1	0.00	0.0	0.00	0.00	14.27	12.26	29
2	s16	HEPA	F	ING	4/23/96	0.20	21.34	4.34	82.8	ASTM C136	100.0	100.0	100.0	99.3	91.0	77.4	66.7	40.8	32.2	27.0	0.00	0.0	0.00	0.00	12.95	5.16	19
2	s16	HEPA	F	NING	4/23/96	0.20	19.51	3.96	123.8	ASTM C136	100.0	100.0	100.0	96.8	79.1	60.9	48.7	22.7	16.8	12.9	0.00	0.0	0.00	0.00	25.98	4.03	31
	·		L	L							l.											1	I				
2	s36	HEPA	F	ING	4/25/96	0.25	60.05	15.25	87.7	ASTM C136	100.0	100.0	0.001	100.0	98.5	91.8	77.6	43.3	30.4	22.6	0.00	0.0	0.00	0.00	4 00	1.30	6
	s36	HEPA	F	NING	4/25/96	0.51	52.12	26.48		ASTM C136	100.0	100.0	100.0	99.0	89.2	80.1	70.5	44.0	34.4	27.4	0.00	0.0	0.00	0.00	2.30	0.96	4
L	L	L		L	L	<u></u>				<u> </u>	1			!						l							

HEP/	Samp	oles												Percen	t Passi	ng Siev	e (mm)			_				Loac	lings (g/n	n²)	February 13, 1997
round	site_i	id sample	to	strata	sampdate	transwidth	transleng	transarea	totdrywt	analysis	38.1	19.0	9.5	4.76	2.00	0.84	0.42	0.149	0.105	0.074	bagwt	pctretain	bagtare	retained	ogs	airsusp	totload	notes
3	15A	HEPA	F	ING	8/6/96	0.25	19.5t	4.95	61.0	ASTM C136	100.0	190.0	100.0	100.0	97.4	79.9	61.2	30.4	21.7	16.8	0.00	0.0	0.00	0.00	9.64	2.07	12	
3	15A	HEPA	F	NING	8/6/96	0.25	19.51	4.95	90.2	ASTM C136	100.0	100.0	100.0	99.2	96.1	74.5	54.5	28.0	20.9	16.6	0.00	0.0	0.00	0.00	14.40	3.02	18	
3	I5A	нера	Ι	NTONG	leuene	0.25	29.26	7.43	75.1	ASTM C136	100.0	100.0	100.0	100.0	99.2			39.1		21.0	2.00							
3	15A	HEPA	T	TONG	8/6/96	0.25	14.63	<u> </u>		ASTM C136	100.0	100.0		98.8	92.3	90.7 70.6	74.4 53.B	30.1	29.0	21.8 18.8		0.0	0.00	0.00	7.27 27.31	2.23	10 35	
3	A	HEPA	T	L	7/26/96	0.25	12.50	1		ASTM C136	100.0	100.0		100.0	97.6	88.8			42.4	37.6		0.0	0.00	0.00	4.32	2.82	33	
3	A	HEPA	Ť	TONG	7/26/96	0.25	12.50	1		ASTM CI36	100.0	100.0		100.0	91.1	78.5	i	46.7	40.0	31.9		0.0	0.00		5.05	2.68	8	
L																												
3	COL	HEPA	F	ING	8/6/96	0.25	29.26	7.43	62.3	ASTM C136	100.0	100.0	100.0	100.0	98.0	90.9	70.9	28.7	16.6	10.8	0.00	0.0	0.00	0.00	6.99	0.91	8	
3	COL	HEPA	F	NING	8/6/96	0.25	29.26	7.43	82.4	ASTM C136	100.0	100.0	100.0	98.6	96.7	91.4	77.5	36.8	26.9	20.8	0.00	0.0	0.00	0.00	8.10	2.31	F E	
3	NLTS	HEPA	F	ING	7/26/96	0.25	41.73	10.60	46.8	ASTM C136	100.0	100.0	100.0	100.0	88. L	49.2	24.2	6.1	4.9	4.5	0.00	0.0	0.00	0.00	4.20	0.20	4	
3	NLTS	HEPA	F	NING	7/26/96	0.25	40.54	10.30	25.5	ASTM C136	100.0	100.0	0.001	0.001	88.3	52.5	33.3	12.5	10.0	7.5	0.00	0.0	0.00	0.00	2.23	0.19	2	
3	OS	HEPA	E.	ING	7/17/96	0.51	51.51	26.17	76.0	ASTM C136	100.0	100.0	100.0	100.0	92.1	84.2	66.7	34.2	28.9	24.6	0.00	0.0	0.00	0.00	0.73	0.25	,	
3	OS		F	NING	7/17/96	0.51	45.72	23.23		ASTM C136	100.0	100.0	100.0	58.0	54.1	41.4		23.6	21.0	20.4		0.0	0.00	0.00	0.73	0.23		
3	OSD	HEPA	F	ING	7/17/96	0.25	70.71	17.96		ASTM C136	100.0	100.0	100.0	89.0	74.0	59.6		17.4	13.2	11.0		0.0	0.00	0.00	5.15	0.65	L	
3	OSD	HEPA	F	NING	7/17/96	0.25	64.01	16.26	146.8	ASTM C136	100.0	100.0	100.0	97.2	85.5	62.1	40.5	17.4	13.2	10.1		0.0	0.00	0.00	7.84	0.91	9	
												· ·					II							L				
3	s36	HEPA	F	ING	7/17/96	0.51	60.05	30.50		ASTM C136	100.0	100.0	94.5	90.7	85.8	77.1	58.6	27.5	20.4	16.0	0.00	0.0	0.00	0.00	3.55	0.71	4	
3	s36	HEPA	F	NING	7/17/96	0.51	52.12	26.48	65.2	ASTM C136	100.0	100.0	100.0	100.0	97.9	79.2	56.9	32.4	26.6	22.6	0.00	0.0	0.00	0.00	L.81	0.56	2	

STRATA.DBF (Look-up Table) Field Summary, Legend, and Hardcopy Printout

Strata Legend						
Strata	Strata Description					
ĪG	Intersection, gutter					
IGO	Intersection, gutter only (when no corresponding non-gutter sample was taken)					
ING	Intersection, non-gutter					
NIG	Non-intersection, gutter					
NIGO	Non-intersection, gutter only (when no corresponding non-gutter sample was taken)					
NING	Non-intersection, non-gutter					
NTOG	Non-trackout, gutter					
NTONG	Non-trackout, non-gutter					
TOG	Trackout, gutter					
TONG	Trackout, non-gutter					

STRATA.DBF Field Summary and Legend

Field Name	Unit	Data Type	Size	Field Description
STRATA		Character	5	The strata code
DESC		Character	81	Description of the part of the street surface
				corresponding to the strata code

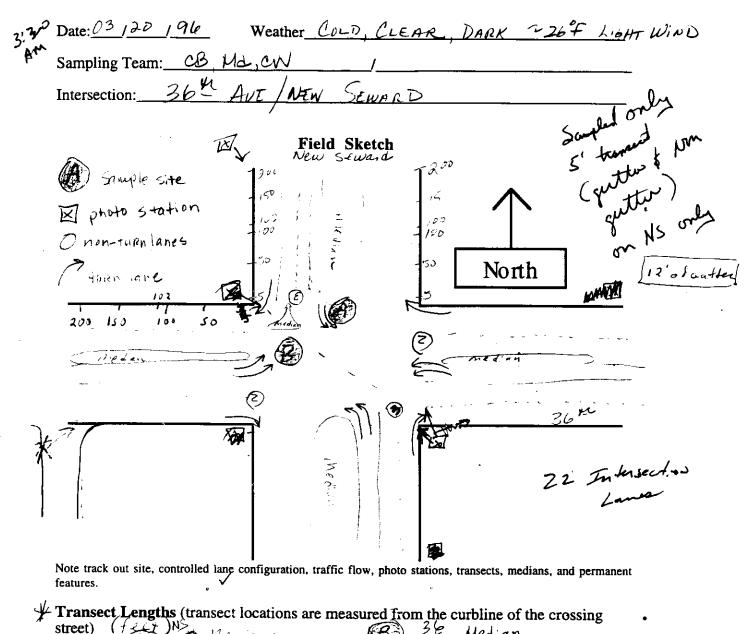
Appendix B

Site Survey Field Note Forms (organized by date)

Sampling Field Note Forms (organized by date)

Particle Size Distribution (Sieve Analysis) Plots (organized alphabetically by sampling round)

Chain-of-Custody Documentation (organized by date)



Site $\frac{1100}{26}$ Site $\frac{1100}{10}$ Site $\frac{1100}{10}$ Trackout Site $\frac{125'}{5}$ $\frac{140}{98}$ - $\frac{134'}{50}$ $\frac{56'}{95}$ $\frac{170}{5}$ - $\frac{5:65}{5}$ $\frac{0}{5:65}$ $\frac{1}{5}$ 68' 200 84 - 12=72 200 52' 60 (queb) 5=55 WI transect over 1.

* paced 53 poem = 50 feet = 0.94 54/pee

Date: 3 /21 /96 Weather Cleux, dord (2:00 15° Culm	
Date: 3 121 196 Weather Blue, dord (2:00am) 15 Culm Sampling Team: CD CW, BF 1	
Intersection: 36 to \$ 05	
Field Sketch	
North Dental	Į
	>
Note track out site, controlled lane configuration, traffic flow, photo stations, transects, medians, and permanent features.	trou
Transect Lengths (transect locations are measured from the curbline of the crossing	
Site 36 Site 05 Grackout Site	
5 <u>87'</u> 5 <u>.73'</u> 0	
50 65' 50 58' +15	
100 10015	
102	
150	
200 <u>105</u>	
(cD)	

Date	e: 3 / 22 / 44	Weather	LOVDY, 25° WITH	WIND	
Sam	pling Team: CHAIS A	Brown / Brant fare	/		
Inte	rsection: Dimenu	AMB KING ST			
		DI	MOND BLVD.		13.5 Mas
		Field	Sketch		17. Tpne
	walno i			EAST	
	Short Do last		Mo		
	:		4	Kin	16 st.
	photo photo photo photo polici but BUS STOP		TSO TION TION TION TION		
Note	track out site, controlled l	ane configuration, traffi	c now, photo stations, transects, r	medians, and permanent	
featur		. •	Z!		
stree	insect Lengths (trans		easured from the curbline of	_	
Site		Site	Line W	Trackout Site	
Ludes 5	106	5	84 14 Paces	0	·
50	95'	50	49.4° 8.25 paces	+15	
م م	<u>75</u>	100	49,4' 8,25 poen	-15	
102	951	102	49,41 8.25 poor		
150 کے ہارے	84'	150	54' 9 poch		
200 ليسان	84'	200	54' 9 pm		
£ 1/2 200			6'/pac		

Date:	3/26/96	Weather_	Clouly	Temp: 28	°F
Samp	ling Team:	W/BF			
Inters	section: $\frac{12^4}{124}$	Will > N.			
	New				
		Fie	eld Sketch		
			. , , , , , , , , , , , , , , , , , , ,	\wedge	
	in the state of				
7 - W	gar yezh sikere.			N Y .	,
	-(Nort	<u>n</u>
			L		100
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	(1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		1		, , , , , , , , , , , , , , , , , , ,
er Fre	TO SEVICE				
			7 9	~_	
Note tr	rack out site, controlled	lane configuration, to	raffic flow, photo sta	tions, transects, med	lians, and permanent
feature					
street	sect Lengths (trans			the curbline of	
Site	<u> </u>	Site.		<u>. 25.</u> 1 2.11	Trackout Site
5	36	5] (CR_	0
50	34	50	34	1	+15
100	3 4	100			-15/
102	<u> </u>	102		<u> </u>	,
150	3 4	150)	, 	
200	3 4	200) 34		

3:coam Weather 27 F Of fa. H. Date: 3/27/96 Sampling Team:____ Intersection:___ Rem Field Sketch North CN 17/14/24 12 Photo Stations Note track out site, controlled lane configuration, traffic flow, photo stations, transects, medians, and permanent features. Transect Lengths (transect locations are measured from the curbline of the crossing

Site	@ 5"L		Site	Recipie	Trackout Site
5	85	38 Mas	5	<u>69</u> 30, mms	0
50	67	29 Jacks		<u>is 3 ft</u> 27 paces	+15
100	67		100	<u> </u>	-15/
102	<u>67</u>		102	43	
150	67		150	<u> 43</u>	
200	<u>v7</u>		200	<u>v.3</u>	

9:00 am

1.00	am			
Date: 3/27/90	Weather_	35° F	Summy -	That was
Sampling Team:	CW.	/	67	
Intersection:	TH SE			
	Fie	eld Sketch		
			1	
1254 in	4		North]
		A F		
Fine H. A				· E
——————————————————————————————————————	.	`		

Note track out site, controlled lane configuration, traffic flow, photo stations, transects, medians, and permanent features.

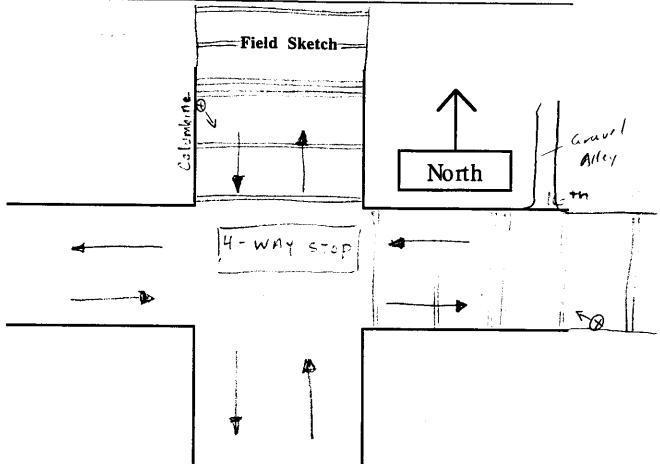
	Site	15th	Trackout Site
42 17,00	5	<u>50</u> 21 gc.	0
34 15 %:	50	36 10 pes	+15
34	100	30	-15
34	102	36	
34	150	<u> 34</u>	
34	200	34	
	2 1	42 5 34 50 34 100 34 102 34 150	34 18 50 34 34 18 50 34 34 100 34 34 102 34 34 150 34 31 34 34

Date: 1/12/96 Weather Cloudy 28°

Sampling Team: BILL SPENCER / ERENT FORR

Intersection: 16 to FNA Columbia.

Field Sketch



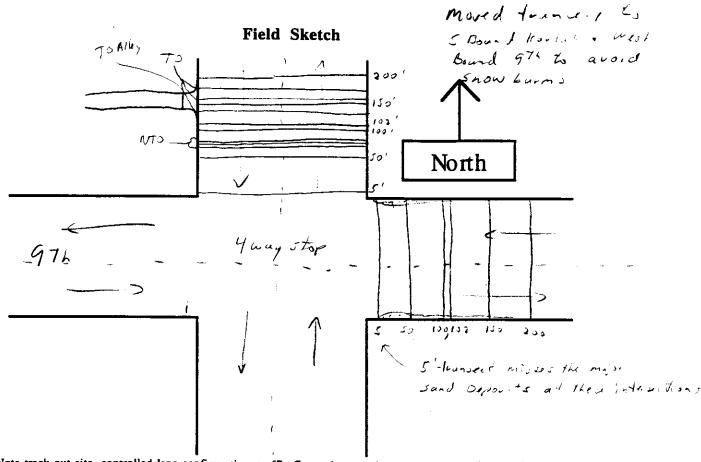
Note track out site, controlled lane configuration, traffic flow, photo stations, transects, medians, and permanent features.

street)	(see received and incustred from the entolline of the crossing						
Site	16 m	Site	Celumbine	Trackout Site				
5	<u> </u>	5	<u>u r</u>	0				
50	36	50	<u> </u>	+15				
100	36	100	36	-15				
102	36	102	36					
150	30	150	36					
200	3.9	200	36					

Date: 415196 Weather Overland 38° F, light wind

Sampling Team: Bill Spenier 1

Intersection: 914 + Karlule

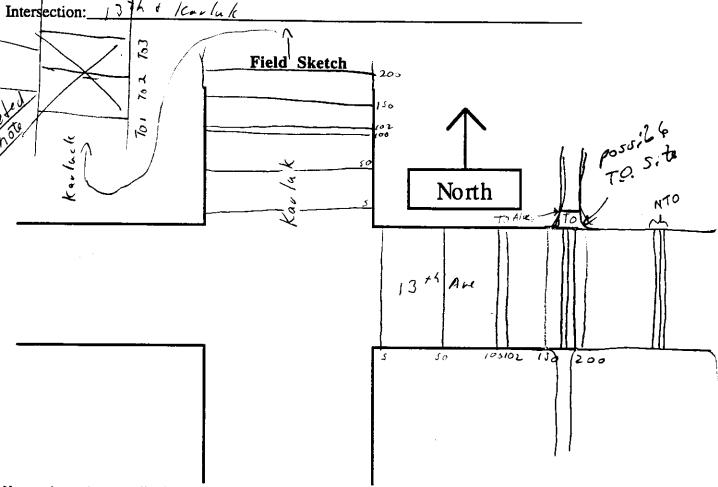


Note track out site, controlled lane configuration, traffic flow, photo stations, transects, medians, and permanent features.

street) Site	Naulak	Site	9 14	Trackout Site
5	E1/2 paus (501)	5	8 1/2 paus 501)	0
50	8 pra: 145)	50	8 per (45')	+15
100		100	· · · · · · · · · · · · · · · · · · ·	-15
102		102	-	
150		150		
200		200		

as in Francis

Date: 415 196 Weather Partly Cloudy 40°E Sampling Team: Bill Spencer 1 Mark Alder Intersection: 13th + Icarluk



Note track out site, controlled lane configuration, traffic flow, photo stations, transects, medians, and permanent features.

street)	eet Dengthis (transcet foca	anons are n	leasured from the curofine (of the crossing
Site	Kowlack Sbound	Site	13th West Board	Trackout Site
5	(151)	5	8 1/2 paus (SS)	0_40') labele
50	(45'7	50	7/2 par (40')	+15 40' quettum
100		100	7 1/2 par	-15 40) EN PLAT
102		102	- 7 1/2 pac N	st Track out site
150		150	7 1/2	is within the Won Int
200		200		Area and included
	,			burns, site was deleted

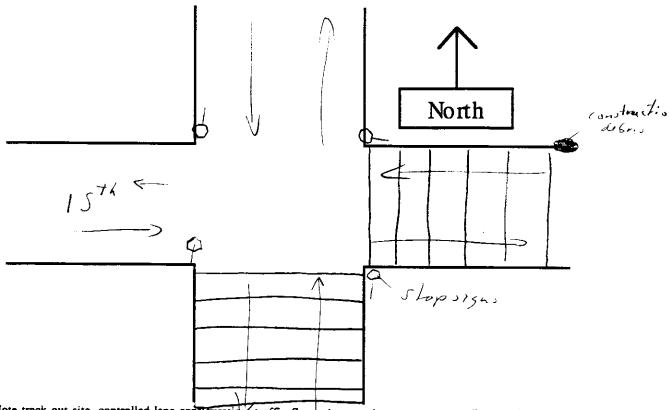
Site Survey Field Note Form

Date: 4 19-101 96 Weather Clear 40°F

Sampling Team: Bill Spencer 1

Intersection: 15⁺¹ + Columbiae

Field Sketch



Note track out site, controlled lane configuration, traffic flow, photo stations, transects, medians, and permanent features.

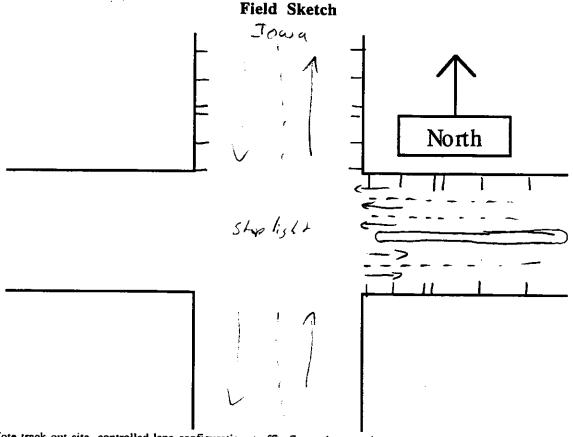
ut Site
$\sqrt{}$

Date: 4 1 16 1 96 Weather 39 + (lear						
Sampling Team: Bill Spencer 1 Chris Brown						
	ection: Dowling + 0		<u>.</u>			
		Field Sketch				
<u>-</u>	North	Dowling	h Bus stapArea			
ø	J. Sand	4200				
_		750 7	100 TIDZ TISO TZOS			
Note tra	ck out site, controlled lane configura	ation, traffic flow, photo stations, transects, med	dians, and permanent			
Trans	ect Lengths (transect location	ns are measured from the curbline of	the crossing			
Site	0.5.	Site	Trackout Site			
5	108 St 18 paces	5	0			
50	72 52 12	50	+15			
100	72 81 12	100	-15			
102	72 dx 12	102				
150	81 ft 13.5	150				
200	81 PA 13.5	200				
	6 Not.					

Date: 7/24/96 Weather Oblinate 50°F

Sampling Team: 6. Spen J

Intersection: Towa + Spenor!



Note track out site, controlled lane configuration, traffic flow, photo stations, transects, medians, and permanent features.

Transect Lengths (transect locations are measured from the curbline of the crossing street)

ctroat)	- Tom the	caronine of the crossing
street) Site Same d	Site Towa	Trackout Site
54	5	0
508	50 4	+15
1008	1004	-15
102	1024	
1508	1504	
200	200 4	

Guddens Only

Date:_	7124196	Weather <u>Ø</u>	vacast	50°F
Sampl	ing Team: <u>A. Span</u>	er		
	ection: 6th + A			
		Field	/	
				North
j	> 6	-		
		1 1 A		
	To			Alley
Note tra- features.	ck out site, controlled lane co	afiguration, traffic	flow, photo station	ns, transects, medians, and permanent
Trans	ect Lengths (transect lo	cations are me	asured from the	e curbline of the crossing
street) Site	6 16	Site	A	Trackout Site
5	_ 4	5	4	0 7/4 paus 9 = 50-54
50	4	50	4	+15
100	_4	100	4	15 <u>.</u>
102	4	102	4	Non Thank out
150	4	150	4	0
200	4	200	4	+15
	hallen only			-15

Street Sediment Loads Assessment Proj Site FieldSurvey Form	ect Date: 7 / 26 / 96
Intersection: NL & Demli	Weather Clem, 55°F
Sampling Team: Bill S. Chris B	/
Field SI	setch
Speed limit 30 mph	North
57	N/Cyats
Speed limit 40 mph	Gulfus only
Note track out site, controlled lane configuration, traffic floreatures.	ow, photo stations, transects, medians, and permanent
Transect Lengths (transect locations are meas	ured from the curbline of the crossing
Site Site	Trackout Site
5 5	TO 0
50	+15
100 100	
102 102	NTO 0
150 150	+15
200	-15

FIELD LOGS AND SEDIMENT ANALYSIS DATA

330	Date: 3 120 196 Weather Clen, Cold 26° Light Cind	
Am	Sampling Team: CW CB, MD /	
	Intersection: Newseum 4 36	
	Track Out Site Present: Y N Air Quality Site: Y /N	
	Y N Comments	
	Photos taken of all transects Night 7ime	
	Photos taken from all photo stations	
	Trackout site sampled (if present)	
	Air quality samples collected (if appropriate)	
	All transects and strata sampled Not enough fine. 1st Atkens to a sampling. Next time Vacuum Bag Tare Weights/Total Sample Weight Site New Search 3:30 - 5:00. Sampled from 3:30 - 5:00. Sampled 5' transect On NS only	
	Vacuum Bag Tare Weights/Total Sample Weight State 2am. Sampled from	
	Site New Search 3:30 - 5:00. Sampled 5' transact	:
	IG g/g 8"Head Sample ID 3/20 0320 NS IG STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STORES IN THE STOR	, ,
	ING g/g Sample ID 6320 NS TNG	24
	NIG g/g Sample ID	
	NING g/ g Sample ID	
	Site	
	IG g/ g Sample ID	
	ING g/g Sample ID	
	NIG g/g Sample ID	
	NING g/ g Sample ID	
	TO Site	
	G g/g Sample ID	
	NG g/g Sample ID	

Date: 3 / 2	<u>/ / %</u> Weath	ner Ilian, d	up (2:00 cm) 15° Calm
Sampling Tea	m: CAS EW	BF /	
Intersection:_	Old seword	1 36 th	
Track Out Site	e Present: Y /N	Air Qu	uality Site: 🔗 / N
<u>Y N</u>			<u>Comments</u>
	Photos taken of all tra	ansects	Photos tiken later in day when
<u>~</u>	Photos taken from all	photo stations	light
NA_	Trackout site sampled	l (if present)	
<u> </u>	Air quality samples co	ollected (if appro	opriate) Only Nongetter fransects per DHKS
	All transects and strate		2 stansects/ over except OSNI
Vacuum Bag	Γare Weights/Total San	nple Weight	Arr Q Sumps 36 TOK AQ 2 Transects
Site <u> </u>	> seekt	12	36 NING-AQ
IG <u>7/</u> 2	s Transact	Sample ID	OST 6 032196 OS NONG-AR 3 7 mscits
ING	g/ g 8"	Sample ID	OSTN6032196 +AQ
NIG	<u>g/</u> <u>g</u>	Sample ID	OS NIG C32196
NING 🗸	<u>g/</u> <u>g</u>	Sample ID	OSNI NG032194 LAQ
Site 36			
IG 7/5	 g/ g	Sample ID	3676-03219L
ING	g/ g	Sample ID	3676032196 + A & 10" Transacts
NIG	_g/g	Sample ID	36 NIG 032196
NING _	g/ g	Sample ID	36 NING 32196 + AQ"
		1 —	
TO Site			
G	g	Sample ID	
NG	g/ g	Sample ID	

8 inch Wide Transects

Oil and Grit Seperator Assessment Program
Initial Sediment Load Sampling and Oiled Surface Assessment
Field Notes.

Sampling	Date: 3	12219	16	author on N
Sampling	Team:	Field Te	am Leader CB Sampler RF	Side of Street.
Washoff (_X_N.L Sub area: Sampling	.t. W.) (,W. 23 Intersed Gutter	rd Ave.)	South Side of Street. South Side Non Intersection Non Gutter Number 66 52 Swept. @ 722/50 Swept. ar 719 Tone Comments IG Sample # 9500311201 NHSIG 032296
Composit	Sample II	O Number_		is Weight are 71g 7 are
Transect number	Transect length	Photo Number	Age and area of oiled patches > 6 " Ø in previous 50' of street.	Comments IG Sample# 9500311201 NHSJG032296
111	26.0		Fresh 2 3 4 Weath.	
101	52.3		Fresh 2 3 4 Weath.	ING Sample # 9500311203 WL45 INGO32298
102	48.3	(AQ	Fresh 234 Weath.	NING Sample # 7500311204 WILL NING 232296
103		Sample	Fresh 2 3 4 Weath.	
104			Fresh 2 3 4 Weath.	
105		AQ	Fresh 2 3 4 Weath.	
10%			Fresh 2 3 4 Weath.	
107			Fresh 2 3 4 Weath.	
108			Fresh 2 3 4 Weath.	
109			Fresh 2 3 4 Weath.	

110

112

8 inch mente

Date: $3/2$	<u>2 / 96 </u>	er Gld Chan 2	5°, 2am, dark
Sampling Tea	am: CB BF	/	
Intersection:_	Dimand ;	t king (bu	oly Dimond Sampled)
Track Out Sit	e Present: Y N	Air Quality S	lite: Y N
<u>Y N</u>		•	Comments
- _	Photos taken of all tra	nsects	
	Photos taken from all	photo stations	only dimond (z)
_~ A	Trackout site sampled	(if present)	
	Air quality samples co	ollected (if appropriate	for IG
	All transects and strata	-	Ran out of Time Not 8"
Vacuum Rag	Tare Weights/Total Sam	onle Weight	Intersection Gutter collected
Site_Dim	4	ibic weight	Composite from Transacts at 5
IG 716		Sample ID DM	1G 032296
ING 7/16			1 ING 032296
	g/ g	•	1110000000
NIG	<u>g</u> g	Sample ID	
NING	B B	Sample ID	ind note on buck
Site		of sile su	vey form. En 72496
IG	g/ g	Sample ID	<i>σ γ</i>
ING	<u>g/</u>	Sample ID	
NIG	_g/g	Sample ID	
NING	<u>g/</u>	Sample ID	
TO Site			
	~ ! -		
G	<u>g/</u> <u>g</u>	Sample ID	
NG	<u>g/</u> <u>g</u>	Sample ID	

8 mch

Date: 3 / 26 / 96 Weath	er_ 3 8°	ella I.
Sampling Team: CW B		Ceousing
	·/	<u> </u>
Intersection: 12 / N		
Track Out Site Present: Y / (N)	Air Q	uality Site: Y / (N)
<u>Y N</u>		Comments
Photos taken of all tra	nsects	
Photos taken from all	photo stations	
Trackout site sampled	(if present)	
NA Air quality samples co	ollected (if appr	ropriate)
All transects and strate		
Vacuum Bag Tare Weights/Total San	nple Weight	
Site /2		
IG 766 8.5.	Sample ID	12.16-032696
ING g/g	Sample ID	12JNG-032696
NIG g/g	Sample ID	12 NTG 032696
NING √ g/ g	Sample ID	12NING 032696
Site 12 N		
IG 7166 _g /2. g	Sample ID	NIG 032696
	-	NING 032696
	Sample ID	
NIG g/ g	Sample ID	NNIG- 632696
NING \sqrt{g} g	Sample ID	NNING 032696
NO Site	7	
G <u>g/ g</u>	Sample ID	
NG g/g	Sample ID	

Sinch went

3:00 PM Date: 3/27/94 Weat	her_ 27° F	Party Cloudy -> Cleari	ne
Sampling Team: (20)	/_	BF	$\frac{\circ}{}$
Intersection: 5^{+}	<u> </u>		<u></u>
Track Out Site Present: Y / N	Air Qı	uality Site: Y/N	
<u>Y N</u>	•	Comments	
Photos taken of all tr	ansects		
Photos taken from all	l photo stations		
$\frac{N}{\Delta}$ Trackout site samples	d (if present)		
Air quality samples c	ollected (if appro	opriate)	
All transects and strat	ta sampled		
Vacuum Bag Tare Weights/Total Sar	mple Weight		
Site	inpie weight		
IG 7 66 g	Sample ID	5IG032796	
ING g/ g	Sample ID	5ING-032794	3 AQ
NIG g/ g	Sample ID	5NIG-032796	•
NING g/ g	Sample ID	5NIN6032796	9 AG
	•		,
Site Keere			
IG 766 g	Sample ID	RUIGO 32796	Λ <i>.</i> Γ.
ING g/g	Sample ID	RUING032796	9 Ali
NIG g/g	Sample ID	RUNIGO32796	
NING g g	Sample ID	RUNTNG 032796	3 AQ
TO Site		/	
G <u>g</u> g	Sample ID		
NG g/g	Sample ID		

8 inch munt

9.50 am

Date: 3 / 2	$\frac{7/96}{}$ Wear	ther35° F	Sunny	- Slight Will
Sampling Tea	m: <u>CU</u>		BF	<u> </u>
Intersection:_	15th \$	\in		
Track Out Site	Present: Y N	Air Q	uality Site:	Y (N)
Y N		•		Comments
<u>√</u> _	Photos taken of all tr	ransects		
<u> </u>	Photos taken from a	ll photo stations		
- NIA-	Trackout site sample	ed (if present)		
	Air quality samples of	collected (if appr	opriate)	
<u> </u>	All transects and stra	ta sampled		
Vacuum Rag T	are Weights/Total Sa	mula Wai-ha		
Site	ALC WEIGHTS TOTAL SA	mple weight		
	6,	Samuela ID	N.	127791
ING	g/ c	Sample ID	EIGO	
	g/ g	Sample ID	EING	-
NING		Sample ID		, <u>.</u>
MINO	<u>g/</u> <u>g</u>	Sample ID	ENING	03279L
Site1 <u>S</u>	+h_			
IG <u>X</u> 6	,6 <u>g/</u> g	Sample ID	15 I GO	32794
ING	<u>g/</u>	Sample ID	15 ING	032796
NIG	<u>g/</u>	Sample ID	15 NIG	:032796
NING	<u>g/</u> <u>g</u>	Sample ID	15 NIX	6032796
TO Site				
	_/	–		/
	<u>g/ / </u>	Sample ID		· /
NG	<u>g/</u> g	Sample ID	/-	<u> </u>
			/	

Transects

Date: 1 2 1 46 Weather	r Overcust 280
Sampling Team: Bill Spence.	r 1 Brent Fur
Intersection: 16th + Columbia	ne
Track Out Site Present: Y / (Ñ)	Air Quality Site: Y / N
<u>Y N</u>	Comments
Photos taken of all trans	sects
Photos taken from all p	hoto stations 2 general Photos + all Transect
N/A Trackout site sampled (if present)
V Air quality samples coll	lected (if appropriate)
✓ All transects and strata	
Vacuum Bag Tare Weights/Total Samo	slish by to avoid ice in gutter de Weight - Some guller areas sumpled with
Site	Shorel only no value as the
10 66 -1	Sample ID 16 I G 040296
	Sample ID 16 T N 6 0 40296
	Sample ID
	Sample ID 16 NJN 6-040296
Site Columbine	
16	Sample ID <u>(0 T C 0402</u> 96
7.0	Sample ID (0 JN6040296
NIG g/g S	Sample ID (0 NT 6 04 02 96
NING <u>v</u> g/g s	Sample ID (6 NINC040296
TO Site	
G g/g s	sample ID
NG g/g s	Sample ID

Track Out Site Present: Y / (N)	Air Quality S	Site: Y/N	
<u>Y N</u>	•	Comme	
Photos taken of all transc	ects		Been swap
Photos taken from all ph	oto stations	<u></u>	appe some
N A Trackout site sampled (if	f present)		burns mets Check dat
Air quality samples colle	cted (if appropriate)	سود ۱۵ ما
All transects and strata sa	ampled		No dances
Voquera Dog Toga Waishas (Tabal Cara)	***		€
Site 9th Transith	e Weight		
nić d'	4.		All auther transact
			Samper with show !
	ample ID 9 145	·	
NIG g g Sa Sa NING 6677 g/ g (Sa			
NING g g G Sa	ample ID 9^{7}	VING V	
Site Kurlak			
	umple ID KAJ	`6 040596	
IG g/ g 810 Sa			
IG g/g 810' Sa ING 66/g/g/g 6' Sa	umple ID	NG	
IG g/g 810 Sa ING 66 g/g 6 Sa NIG g/g 810 Sa	umple ID	NG JG	
IG g/g 810 Sa ING 66 g/g 6 Sa NIG g/g 810 Sa	umple ID	NG	·
IG g/g 810 Sa ING 66 g/g 6 Sa NIG g/g 810 Sa	umple ID	NG JG	
IG g/g 810' Sa ING 66 g/g 6 Sa NIG g/g 810' Sa NING 65 g/g 810' Sa TO Site	umple ID	NG JG	

Date:_	41_	196	Weat	ther <u>Ovev</u>	Cast	40°F		
Sampl	ling Tea	m: <u> </u>	1 Spe.	ncer 1	Ma	ve Alde	0,	
Interse	ection:_	1374	+ Kar	luck				
Track	Out Site	Present	Ý)/ N	Air Q	uality Sit	e: Y / N		
Y	N		(Not	Sampled	sec.	note on st.	eh.(ts	
V	_	Photos ta	ken of all tr	ansects				_
<u></u>		Photos ta	ken from al	l photo stations				_
	V	Trackout	site sample	d (if present)		Trackouds	ite snow	Bound
		Air qualit	y samples o	collected (if appr	ropriate)			<u>.</u> .
<u>~</u>		All transe	cts and stra	ta sampled				_
Vacuu	m Bag T	Form Waid	nts/Total Soc	mple Weight				
Site_	13	K K	IIS/TOTAL SA	mple weight				
IG	K		g _r	G. 1.55	. 3	- (
	1-6	66	8	Sample ID	<u> </u>	<u> I604059</u> 6	, ,	Gudden
ING	-3/1	g/ g		Sample ID	133	NG040596	/ ILGI	weels sampled
NIG	4	<u>g/</u> g		Sample ID	13 N	IG640596		• ,
NING	2,7	<u>g/</u> <u>g</u>		Sample ID	13 N	<u>INGO4059</u>	^	instruction
Site_	· · · · · · · · · · · · · · · · · · ·		·				WILA	had
IG	NA	g/ g		Sample ID	KAI	6040596	5	
ING	6671	′g/ g		Sample ID	KAJ	NG 04 05 9 6		
		g/ g		Sample ID	KAN	T6040596	.	
NING	6671	g/ g		Sample ID	KAN	JN604059	6	
TO Si	te							
G	·	g/ g		Sample ID				
NG		g/ g		Sample ID				

Street Sediment Loads Assessment Project
Sump 4/1976 Ch Sampling Field Note Form

Date: $\frac{7}{19-10}$ $\frac{7-70}{196}$ Wea	other [Gan 40]	
Sampling Team: Bill Spence		
Intersection: 15 d Colu.	m Scy	
Track Out Site Present: Y / N	Air Quality Site: Y / N	
<u>Y N</u>	Comments	
Photos taken of all t	transects Two Photo missasled wade (do-	
Photos taken from a		
Trackout site sample	ed (if present)	
Air quality samples	collected (if appropriate) A Q sampling requires a new dilder	
All transects and stra	ata sampled	
Vacuum Bag Tare Weights/Total Sa	ample Weight	
Site_/5 ⁷⁴	Sampling Metas	
IG g/g	Sample ID <u>ISA ING 640996</u> Short +041076 A	đ
ING <u>66 g/</u> g	Sample ID 15 4 ING 640996 - 6" france: 61	
NIG g/g	Sample ID 15 A NTG 040996 89 34, 4 1	Ý
NING 66 g/g	Sample ID <u>ISA NING 040976</u> 6" demand 60 + 0400 96 AQ	•
Site	+ 041096 AQ	
IG <u>g/ g</u>	Sample ID	
ING <u>66 g/</u> g	Sample ID V (OC ENG 040996 6" +0910 96 A Q	
NIG <u>g/</u> g	Sample ID COLNIGO Y 0996 8" Share	
NING 66g/g	Sample ID . COL NENG 0409 96 L" have vacure	
TO Site	+ 041076 AQ	
G <u>· g/ g</u>	Sample ID	
NG g/g	•	
	Sample ID	

. Vacuned 6" except as noted

Date: 4/	16 1 96	Weather 39° F	Clear			
Sampling T	eam: <u>13:41</u>	Spenar 1	Chris	Brown		
Intersection	: 36+k d	New Seward				
Track Out S	Site Present: Y	Air Q	Quality Site:	Y (30)		
<u>Y N</u>		•		Comm	<u>ients</u>	
	Photos take	n of all transects	-			
	Photos take	en from all photo stations	s _			
		te sampled (if present)	_		<u> </u>	
_ WA	Air quality	samples collected (if appr	ropriate) _			
<u> </u>	All transect	s and strata sampled	<u></u>			
Vacuum Ba	g Tare Weights	/Total Sample Weight	, 51	inis 3	bolei	
Site36	/ 4	Length of B.J. Se Trunce 2 Sample ID	u 36	, 10 3 77	29 76	
IG	6 g/ g	2 Sample ID	36B	I,6 041	1696	
ING	<u>' g/ g</u>	+ 77 Sample ID	36B	Ton/Co	4	
NIG6	6 g/ g	Z Sample ID	36B	VI, G		
NING 6	<u>6 g/ g</u>	Sample ID	36B1	VING		
Site <u>Neo</u>	u Seward					
IG(6 g/ g	Sample ID	NSI	6	- E S. L Tra	nuedi Li
ING 6	6 g/ g	Sample ID	NS J	NG	_	'long
NIG	6 g/ g	Sample ID	NSN	T G	-Eside Tra	
NING 6	<u>6 g/ g</u>	Sample ID	NS N.	TNG	<u> </u>	long
TO Site	4					
G		Sample ID			-	
NG <u></u>	/ g// g	Sample ID	<u> </u>		-	,
Interse dirt	ction has along sad	been swept ser	veral t	as ain.	_ Estructuria additrum	to document
					" * / / / / /	T/2/7/2 0 1/1/2

Street Sediment Loads Assessment Project Sampling Field Note Form
Date: 4 1/6 196 Weather Clean 39°F
Sampling Team:
Intersection: Old Swal & Daulin (OSD) OSD only
Track Out Site Present: Y /N Air Quality Site: Y / N Dowling has we
Track Out Site Present: Y/N Air Quality Site: Y/N Dowling has we gut the start areas Continents adjust to Sheet
Photos taken of all transects return during day So No Sample
Photos taken from all photo stations
Trackout site sampled (if present)
Air quality samples collected (if appropriate) NING AQ Transuts doubted twms
All transects and strata sampled W side Gulfer from Sect
Vacuum Bag Tare Weights/Total Sample Weight W side only
Site (1/5) 1 Dowling
IG 66 gl g Sample ID OSDIG-041696 The substitute of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 interest of 3 int
$\frac{1}{1}$ $\frac{g}{g}$ $\frac{g}{g}$ Sample ID $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}$
NIG g/ Sample ID OSDNIGO 41696
NING g/g Sample ID OSD NING OY 1696 AQ OS
Site Sampet Transacts 2x both Air Q & WMJ Samper
IG g/ Sample ID
ING g/g Sample ID
NIG g/g Sample ID
NING V g/ g Sample ID Sample ID
G 113"/Trynscts x2 (200' 150') Sample ID OSBBSNIG-041696 Secous Bus stop 11's
G 113 / Trypicol Bus Stor
NG g/g Sample ID
Window Window

Date:_	<u>4_/_/</u>	8 1 96	Weather Sane	y SOOF			
Sampl	ing Tea	m: <u>Bill S</u>					
Interse	Intersection: 9th + Kauluk						
Track	Out Site	e Present: Y	/N Air Q	uality Site: Y / N	15000		
<u>Y</u>	N		•	Comments	assumed the lack 11/1/1/1		
		Photos taker	n of all transects	Swept 2d	lays aso, rained		
×		Photos taker	n from all photo stations		sunny today but		
_		Trackout site	e sampled (if present)		gutter Slow. Usd		
		Air quality s	amples collected (if appr	ropriate) 8" brush he	end to loosen		
<u>_</u>	_	All transects	and strata sampled	street sweep	smear Sompaveme		
Vacuur	n Bag T	Tare Weights/	Total Sample Weight				
Site	Karlu.	k			width of Transect		
IG	66	g/ g	Sample ID	KBIG041896	16"		
ING	66	<u>g/</u> <u>g</u>	Sample ID	KB ING 04 18 96	8"		
NIG	_66	<u>g/</u> <u>g</u>	Sample ID	KB NIG 041896	16"		
NING	66	g/ g	Sample ID	K B NING 041896	8/1		
Site	911						
IG	66	g/ g	Sample ID	9th IGO4 1896	16''		
ING	66	g/ g	Sample ID	9 1 5 NG 04 18 76	8 "		
NIG	66	g/ g	Sample ID	91 NJ 6 04 1876	16"		
NING	66	<u>g/</u> <u>g</u>	Sample ID	9" NING 341896	8"		
TO Si	te						
G	- \ 	g/ Ag	Sample ID				
NG	N	les 1 de	Sample ID				

Date: 4 / 19 / 96 Weat	her Clear 4	15°F				
Sampling Team: 0.11 Spen	cer 1					
Intersection: 5th Recoe						
Track Out Site Present: $Y / (\widehat{N})$ Air Quality Site: $Y / (\widehat{N})$						
<u>YN</u>	•	Comments				
Photos taken of all tr	ansects	-				
Photos taken from al	l photo stations	next moving				
Trackout site sample	d (if present)					
Air quality samples c	ollected (if appr	ropriate)				
All transects and strain	ta sampled	-				
Vacuum Bag Tare Weights/Total Sar	nole Weight	Vas				
Site 5th Transct	Check	photos 8.5, 5/13				
IG 6 g g 16 g		5 I 6 04 19 9 6				
ING 66 g/ g 8"	Sample ID	STN6041996				
NIG 66 gl g Mu8"	Sample ID	SNIG 041996				
NING 6 g g g"		SNTN6-041996				
Site Reese	,					
IG 66 g g 16 8"	Sample ID	RV I6041996				
TATOL 1 / 1	Sample ID	RUING041996				
NIG 66 g/ g 16,8"	Sample ID	RUNIG-041996				
NING 60 g/ g y"	Sample ID	RUNTN6041996				
TO Site						
G <u>g/ g</u>	Sample ID					
NG g/g	Sample ID					

ate: 4 1 19 1 Weather Clear 45° F	
mpling Team: 0.11 Spencer	
tersection: Learnord oking (Diamend only)	
ack Out Site Present: Y / N Air Quality Site: 🕏 / N	
N Comments	
Photos taken of all transects	
Photos taken from all photo stations Photos taken on the Solland	es mora
Trackout site sampled (if present)	
Air quality samples collected (if appropriate)	
All transects and strata sampled	
cuum Bag Tare Weights/Total Sample Weight	//s
te Piamord Transed (heck from photos may be ""	•
66 g/ g 658 "Sample ID DM IG 04 19 96	
G g g 8' Sample ID $\underline{DMTNG041996} + AQ$	
G g/g y 8" Sample ID OM NIG 0419 96	
NG g g 8" Sample ID DM NING 041996 + AQ	
te ting Sampled lader (4/25)	
g/ g Sample ID	
G g/g Sample ID	
G g/ g Sample ID	
NG g/g Sample ID	
) Site	
g/ g Sample ID	
S g/g Sample ID	

	Date:	412	3/96	_ Wea	ther Over Co	ast 48°F Rain showers (street not wet				
	Samp	ling Tea	am: <u>B. S</u>	pencer						
	Inters	ection:_	16 th +	Columbia	٠(
	Track	Out Site	e Present:	Y / N	Air (Quality Site: Y / N				
	<u>Y</u>	N			•	Comments				
			Photos t	aken of all to	ransects					
	Photos taken from all photo stations									
	_/\	JA			ed (if present)					
	V		Air qual	ity samples (collected (if app	propriate)				
	V			sects and stra		Beinghow stopped a pling				
		_			-					
			<u> </u>	hts/Total Sa	mple Weight					
		16 **		Transect						
	IG		g/ g	16"	Sample ID	16 I 6 0423 96				
	ING	67		δ"	Sample ID	16ING0423 96+AQ				
	NIG	67	<u>g/</u> <u>o</u>	16"	Sample ID	16 NIG 0423 96				
7	NING	67	g/ g	8''	Sample ID	16 NI NG 0423 96+AQ of Damp				
>	Site	Colum	Line			Pavement				
<u>ئ</u> ر	IG	67		- "	0. 1.70	1074 642264				
			g/ g g/ g	10	Sample ID	<u>(OTGOY2396</u>				
j					Sample ID	COINGOY 2396 + AQ (2 transacts only)				
		,	<u>g/</u> g			(ONTG 0423 96				
	NING	<u> </u>	g/ g	s 8''	Sample ID	CONJNG 042) 96 + A Q				
	TO S	ite								
	G	10-1	<u>(2/ </u>		Sample ID					
	NG	<u> </u>	g/\g		Sample ID					
	ک	treets	Swlp	معومه لم	eximatly So	days ago, parked cars left several in				
	a	reas	of he	avy depos	itr.	Mays ago, parked cars left several whise Mills assumed some daks for 15th 4 col @ 14496				

Date:/_	24/36	Weath	ner <u> 50° 0</u>	vercas t
Sampling Te	eam: B, S	rencer		
Intersection:	13 th 8	Korlul	4	
Track Out Si	ite Present: Y	(/N)	Air Q	uality Site: Y / 🔊
<u>Y N</u>			•	Comments
<u>_</u>	Photos tak	en of all tra	insects	
<u> </u>	Photos tak	en from all	photo stations	
	Trackout s	ite sampled	i (if present)	
	Air quality	samples co	ollected (if appr	opriate)
<u></u>	All transec	ets and strat	a sampled	
Vacuum Bag	Tare Weight	ts/Total San	nple Weight	- First Site Ian new 10" Brash Ottachness.
Site13	ፋ	Transect		- seems Tabe better to putie
IG <u>6</u> 6	/ ₂ g/ g	20"	Sample ID	13IG 042496 Stud somep someur.
ING	g/ g	10"	Sample ID	13ING 042498
NIG	g/ g	20"	Sample ID	13 NIG 042496
NING	g/ <u>g</u>	10"	Sample ID	12 NING 0424 96
Site Kar	lula			
IG <u>6</u>	6 g/ g	20"	Sample ID	KA 16042496
ING	g/ g	10"	Sample ID	<u>LA ING 04249</u> 6
NIG	g/ g	10"	Sample ID	KA NI 6042496
NING	<u>g/</u> g	10"	Sample ID	KA NI NG 0424 76
TO Site	`			
G	2/ 2		Sample ID	
NG	g/g		Sample ID	

Date: 4 12	<u>4 / 96</u> Weath	er <u>40° F</u>	Cleur	····	
Sampling Tear	n: 13, Spencer	/_			
Intersection:	36+1 + Old 5.	ena.d			
Track Out Site	Present: Y /	Air Qu	ality Site: 🕜 / N		
<u>Y N</u>		•	Comm	<u>ients</u>	
<u> </u>	Photos taken of all tra	nsects			
	Photos taken from all	photo stations			
	Trackout site sampled	(if present)			
<u> </u>	Air quality samples co	ollected (if appro	opriate) Run out o	Stime Work	a taken
<u>~</u>	All transects and strata	sampled			- K
Vacuum Bag T	are Weights/Total Sarr	ple Weight		(AQC)	596)
Site 36 74	Transport	<u>(</u>	,	VOCO	
IG 65.5	transect width	Sample ID	36360424		0424 aphritz:
ING	<u>g/</u> <u>g</u>	Sample ID	36ING 0424	16 36 ING	042596 AQ
NIG	g/ g	Sample ID	36 NJG 0424	196	
NING L	g/ g	Sample ID	36 NT NG 0424	£76 36NIN	led transacts
Site_Old Sa				doub	led transacts
	Ma-C		0.50		
IG <u>69,5</u>	-	Sample ID	OST6 0424	26	MIDEGI AN
ING 65.5	-	Sample ID	OSTNG0424	196 OSING	09 25 76 AW
NIG 65.5		Sample ID	O NIG 0424	9 6	
NING 645	g/g U	Sample ID	OSNING OY 2	76 OSNINI	6-042596AG
TO Site				t double	ed fransiti
G	<u>g/</u>	Sample ID			
NG	<u>e/ e</u>	Sample ID		-	
		K	1	_	
		Car Advana	A Transfer Commence	To	

Date: <u>4 / 24 /</u> Weat	her	
Sampling Team: B. Spencer	/	
Intersection: 36 th East o) old Seword,	Sampled in error Pah
Track Out Site Present: Y / N	Submitted to la 6 Air Quality Site:	Y/8
<u>Y N</u>	•	Comments
Photos taken of all tr	ansects _	
Photos taken from al	l photo stations	
V Trackout site sample	d (if present)	
Air quality samples c	ollected (if appropriate)	
All transects and strai	ta sampled	
••		
Vacuum Bag Tare Weights/Total Sar	nple Weight	
Site 36 F Transact		
IG 65,12 g/ g 20"	Sample ID 36ET	6042496
ING 64.75 g/ g	Sample ID 36 E I	NG042496
NIG 69,5g/ g	Sample ID 36 € M	VIG 04 24 96
NING 69, 5 g/g		TNG 0424 96
Site		
IG g/g	Sample ID	***
ING g	Sample ID	
NIG g/g	Sample ID	
NING g g	Sample ID	
TO Site		
G g/g	Sample ID	
NG g/g	Sample ID	

Date: 04 / 25 / 76 Weather Clau 40°	
Sampling Team: CR BS	
Intersection: Dimord & Knj	
Track Out Site Present: Y Air Quality Site: Y A	
Y N Comments	
Photos taken of all transects	
Photos taken from all photo stations Salp 2 2 + weeks	950
	15/18
	1/11/1
All transects and strata sampled	
Vacuum Bag Tare Weights/Total Sample Weight Site Kits Transact	
IG 66 g/ g 10" Sample ID <u>KTIG 042596</u>	
ING g/g Sample ID KITNG-042596 AQ	
NIG g/g Sample ID KINIG 0425 96	
NING g g Sample ID KINING 04 25 96 AQ 2 Trans	uks
Site	
IG g/ g/ Sample ID	
ING g g Sample ID	
NIG g Sample ID	
NING g/g Sample ID	
TO Site	
G g/g Sample ID	
NG g/g Sample ID	

Date: 4 / 25 / 96 Weath	er 50°F 0v	weast			
Sampling Team: 15:11 Spencer 1					
Intersection: 15th of Colombia	4				
Track Out Site Present: Y / N	Air Quality Si	te: (Y)/ N			
<u>Y N</u>	•	Comments			
Photos taken of all tran	nsects	Swept	last week		
✓ Photos taken from all	photo stations	Sweep 5.	near still		
A Trackout site sampled	(if present)	Very ev	den 1 4/13/56		
Air quality samples co	llected (if appropriate)	,	(4)		
✓ All transects and strata	ı sampled				
Voguum Dog Tom Weigher/Total Co	1 777				
Vacuum Bag Tare Weights/Total Sam	pie Weight		confleted 4/25		
Site 15" Transier					
IG <u>66 g/</u> g 20	Sample ID <u>15 A</u>	IG 042596			
ING g/g 10	Sample ID	INC	1 AQ 2+ranued.		
NIG <u>g</u> g 20	Sample ID	NIG			
NING _ g g	Sample ID	WING	+ AQ 2 transpids		
Site Columbine					
IG 66 g g 10	Sample ID (01)	I6 042596			
ING g/g 10	Sample ID (0)	TAIG	(AQ 2 transits		
NIG g/g 10	Sample ID (OL)	VIG	,		
NING g g 1/)	Sample ID (OL N	VING V	AAQ 2 tonacl.		
TO Site		<i>.</i>			
G <u>g/ g</u>	Sample ID				
NG g/g	Sample ID				

Date: 9 / 26 / 96 Wea	ther 45°	Partly (Goody	
Sampling Team: Bill Spence		· · · · · · · · · · · · · · · · · · ·	
Intersection: 15 +4 + E			················
Track Out Site Present: Y / (N)	Air (Quality Site: Y (N)	
<u>Y N</u>	•	Comments	
Photos taken of all t	ransects	-	
Photos taken from a	dl photo station:	s	
Trackout site sample	ed (if present)		
Air quality samples	collected (if app	propriate)	····
All transects and str	ata sampled		
Voguum Boo Tom Waishte Tatal G		_	1 1 2 1
Vacuum Bag Tare Weights/Total Sa	imple Weight	5am/	4 bass were labled
Site_15th Transite		4 2574	- Sampling discontin
IG 66 g/ g 10"	Sample ID	15IG 042596	and done on 74 26+
ING g 20"	Sample ID	15 ING 04 25 96	Note dilling
NIG g/g 10"	Sample ID		Date on This 5-25
NING g/g 20"	Sample ID	15 NING 0425 96	
S. F.			
Site £ sJ.			
IG g/g 10"	Sample ID	EIG042596	
ING g/ g 20"	Sample ID	EING 042596	
NIG g/ g 10"	Sample ID	ENIG 04 25 96	
NING g/g 20"	Sample ID	ENING 042596	
TO Site			
Gg/_g	Sample ID		
NG g/ g	-		
	Sample ID		

Date: 4/26/96 Weather	50°F Sunny	
Sampling Team: Bill Spencer		
Intersection: 12 ^{rh} & N		<u> </u>
Track Out Site Present: Y / N	Air Quality Site: Y / (N)	
<u>Y N</u>	Comm	ents
Photos taken of all tran	sects	
Photos taken from all p	hoto stations	
Trackout site sampled (if present)	
Air quality samples coll	ected (if appropriate)	
✓ All transects and strata	sampled	
	Has bu.	2+weeks sin +
Vacuum Bag Tare Weights/Total Samp	le Weight	last sweep
Site 12 width		Exitmeter 4/2 6
IG 2 70,5g/ g /0	Sample ID 1276042696	CA 14/5/5 6
ING g/g	Sample ID 12 ING 0426	76 NO
NIG g/g	Sample ID 12 NI G 0 4 2	5 96
NING g/g	Sample ID 12 NING 0426	96 4/18 CD
Site		14/2/26
IG >2.70.5g g	Sample ID <u>NIG 042696</u>	
ING g/g	Sample ID <u>NING 04269</u>	<u> </u>
NIG g/g	Sample ID <u>NNIX604269</u>	6
NING V g g	Sample ID <u>NNJNG 04269</u>	•
TO Site		
G <u>g/ g</u>	Sample ID	
NG g/g	Sample ID	

gest large floor Basi

Date: <u>05 / 22 /</u>	76 Weath	er_50 F 1	Partly Cloudy Light a	wind_
Sampling Team: 6:	11 Spencer	/_		
Intersection: 21	st Ave + DI	ue berry		
Track Out Site Pres	ent: Y /N	Air Qı	uality Site: Y/N	
<u>Y N</u>		•	Comments	
Phot	os taken of all tra	unsects		
Phot	os taken from all	photo stations	-1/2	
Trac	kout site sampled	(if present)		
<u> </u>	quality samples co	ollected (if appr	opriate)	
<u>✓</u> All t	ransects and strata	a sampled		
Vocania Pos Tom V	Voiebro (Total Car	1 . 777		
Vacuum Bag Tare V				
Site 21st Auc	- trans wia	1th		Transact length
IG <u>64,73 g/</u>	g 10'	Sample ID	2116052296	22 ′
ING 64,77g/	_g	Sample ID	21ING052296	173'
NIG 64,46 g/	_g	Sample ID	21NIG 05 2296	44'
NING <u>70,24g/</u>	_g ,	Sample ID	21NING 052296	348'
Site				
IG g/	g	Sample ID		
ING g/	g	Sample ID		
NIG g/	g	Sample ID		
NING g/	g	Sample ID		
TO Site				
G <u>g</u> /	g	Sample ID		
NG g/	g	Sample ID		

					Scare in 4	Emonday Night
Date:_	<u>5 / 3</u> ,	0 1 96	Weati	her Clear	55°F	5/27
Sampli	ng Tea	m:B. S	pence		C. Brown	
Interse	ction:_	Dowling	+ 01d	Seward		<u> </u>
Track (Out Site	Present:	Y / 🔇	Air Q	uality Site: 💋 / N	,
<u>Y</u>	N			•	Commer	on back
 .		Photos ta	ken of all tra	ansects		
		Photos ta	ken from all	l photo stations	-	
		Trackout	site sample	d (if present)		
	<u></u>	Air quali	ty samples c	ollected (if appr	opriate)	
 .		All transe	ects and strat	a sampled		
Vacuur	n Bag T	Tare Weig	hts/Total Sar	nple Weight		
			width			
						Transect lensth
IG		g/ g		Sample ID	OSDIG 353096	20
ING	71,05	g/ g	1011	Sample ID	2:01NS 0-3795	ACR all3 teamspelle
NIG	70.05	g/ g	10"	Sample ID	0. DN56033792	26'
NING	70,47	⁷ g/ g	10 "	Sample ID	== E NJNG 053098	AQ RHAMMER SHY
Site						200 + 150
IG		g/ g		Sample ID		
ING		g/ g		Sample ID		
NIG		g/ g		Sample ID		
NING		g/ g		Sample ID		
TO Sit	te					
G		g/ g		Sample ID		
NG .		.		-		
110		<u>g/</u> <u>g</u>		Sample ID	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	

		asd 65 F						
Sampling Team: B. Spenco-								
Intersection: 12 + N								
Track Out Site Present: Y / N	Air Q	uality Site: Y /N						
<u>Y N</u>	•	Comments						
Photos taken of all tra	ansects							
Photos taken from all	prioro stations							
Trackout site samples	d (if present)	_						
Air quality samples co	ollected (if appr	ropriate)						
All transects and strat	a sampled							
Vacuum Bag Tare Weights/Total Sar	nole Weight							
Site 12th Transect	(1) 1 1 -	1)10"						
IG 69.870/ g 10"	Sample ID	12 I G O 7 O 8 96						
ING 64.55g/ g	Sample ID	12 IN 6 070896						
NIG 69.77g/ g	Sample ID							
NING 67,28g/ g	Sample ID	12 NING 070896						
Site								
IG <u>67.18g/ g</u>	Sample ID	NIG 070896						
ING 66.55g/ g	Sample ID	NING 070898						
NIG 66.40g/ g	Sample ID	NN76070896						
NING 67 80 g	Sample ID	NNING 070296						
TO Site								
G g/g	Sample ID							
NG g/g	Sample ID							

Date: 7 / 9 / 96 Weather Part 1.	Cloudy 65°F
Sampling Team: B. Spencer 1	
Intersection: 13 14 kar luck	
Track Out Site Present: (Y)/ N Air (Quality Site: Y / N
$\mathbf{\circ}$	all of TNT+5 Comments (2) 11/15/52
Photos taken of all transects / 9°	Streets have been sweet
Photos taken from all photo stations	
Trackout site sampled (if present)	parens missed due to parties
Air quality samples collected (if app	
All transects and strata sampled	TO Sampled on 8/8
•	<u></u>
Vacuum Bag Tare Weights/Total Sample Weight	,
Site_U+4	
IG <u>67.15 g/</u> g 16" Sample ID	13 IC 070996
ING 68124g/ g Sample ID	13 TNG
NIG 66.66gl g Sample ID	13 NJG
NING 65,54gl g Sample ID	13 NING
Site Karlade	
IG 65, 22g/ g Sample ID	KAIG
ING 66.98g/ g Sample ID	KAJNA
NIG 66.83g/ g Sample ID	KANIG
NING $\frac{6824g}{g}$ g Sample ID	KANTNG
Sample ID	1 / 19 NG
TO Site	
G g/ g Sample ID	
NG g/ g Sample ID	

Date: / / /6 / 96 Wea	ther Clea	50°F	
Sampling Team: D. Spencer			
Intersection: Diamil d	King		
Track Out Site Present: Y / N		Quality Site: Y / (N)	
<u>Y N</u>	•	Comments	i
Photos taken of all t	ransects		
Photos taken from a	all photo stations	<u></u>	
Trackout site sample	ed (if present)		
Air quality samples	collected (if app	propriate)	
✓ All transects and str			
Vacuum Bag Tare Weights/Total Sa	ımple Weight		
Site Oranal			lensti
IG 66.25e1 g	Sample ID	DM IG 07/696	20'
ING 68,57g/ g	Sample ID	ING	
NIG 66,59 gl g	Sample ID	NIG	2 4'
NING 66.68g/ g	Sample ID	I NING U	•
Site ting			
IG 66,42 g	Sample ID	KIJ 607/696	50'
ING 66.66 gl g	Sample ID	KTING 07/696	
NIG 66.48 g/ g	Sample ID	,	12
NING 65.38 g/ g	Sample ID	I NING	
TO Site			
G // (g/) g	Sample ID		
NG // g/ g	Sample ID	-110/96 @ Y11/90	•
NG V/g/g Diknord -wyd on	Previous W	ed, Dig Kain- 5-	y Fri - Sur
one salder not swept	all other	pretty clean	

Date:	/ / / 6 /	76	Weath	ner 45 /	Clea	<u></u>			
Sampli	ng Team:_	B. 5	sence						
Intersec	ction: <i>N</i>	<u>'.5. d</u>	3614				<u> </u>		
Track C	Out Site Pro	esent: Y	/ (N)	Air Ç	Quality Site:	Y //Ŋ)			
<u>Y</u>	<u>N</u>			•		Comme	<u>ents</u>		
<u> </u>	Ph	otos tak	en of all tra	ınsects	_				
<u> </u>	Ph	otos tak	en from all	photo stations					
	Tr	ackout s	ite sampled	i (if present)					
	Ai	r quality	samples co	ollected (if app	ropriate)				
<u>v</u>	Al	l transec	ts and strat	a sampled				<u> </u>	
Voor	n Don Tono	337-1-1-4					•		
		/		nple Weight					
Site_/	Venden	ard	wid's				i.	Carrier Jak	
IG .	67,218	g	10"	Sample ID	NSIG	-07/69	26	4(
ING 9	66.55 gl	g		Sample ID	IN	6	_	r	Togatin.
NIG 4	66,67 gl	g		Sample ID	NI	<i>i</i>		30'	27 0000
NING .	66.75g/	g	↓	Sample ID	UNTA	o de de de de de de de de de de de de de	_	7	50 - 200
Site	36 H								
IG :	66,34g1	g	10"	Sample ID	360 I	6-67/59	16 2	C	
ING 6	5.30 g/	g		Sample ID	JA				
NIG (66,21 g/	g	\checkmark	Sample ID	NI	NO V	. 2	4	
NING .	66,25el	g	20"	Sample ID	LNJ	NG V			·
TO Sit	•					rotor	$n_{i,j}$	work	, ng
	_/	_		0. 1		5.00	3644	on N.S.	Course
G .	<u> </u>	g		Sample ID		Sedim:	inc. Ju	ard a	-
NG _	<u>g/</u>	g		Sample ID		J. 100 /	race of	14.20	

Date: / / /7 / 7	Weather 45 Pards Claud
Sampling Team: //	, , , , , , , , , , , , , , , , , , , ,
Intersection: OS	@ Dowling
Track Out Site Present:	Y /N Air Quality Site: Y N
<u>Y N</u>	<u>Comments</u>
Photos t	aken of all transects
Photos t	aken from all photo stations
Trackou	at site sampled (if present)
Air qual	ity samples collected (if appropriate)
All trans	sects and strata sampled
Vacuum Bag Tare Weis	hts/Total Sample Weight
Site_ <i>OS</i>	spring may be an unsulps
IG 65,25g/	w" Sample ID <u>OSO Γ 6 07/7 96</u>
ING 64.80 g	
NIG 65,04 g/	Sample ID WPG
NING 65,26g/	Sample ID WING +AQ
Site	net on con according por
IG <u>g/</u> §	Sample ID
ING g/ s	Sample ID
NIG g/ g	Sample ID
NING g/ g	Sample ID
TO Site	
G <u>g/</u> g	Sample ID
NG g/ g	Sample ID

Date:	1117196	Weat	ther <i>SO</i>	Flast & Cal.					
Sampling Team: A Spencer									
Inters	Intersection: # O.S. & 36 F4								
Track	Out Site Present:	Y /N	Air (Quality Site: 🕎/ N					
<u>Y</u>	N		•	Comments					
V	Photos ta	ken of all t	ransects						
V.	Photos ta	aken from al	ll photo stations	<u> </u>					
	A Trackout	site sample	ed (if present)						
1	Air quali	ty samples o	collected (if app	propriate)es	1/3/96				
1	All transe	ects and stra	ta sampled	- Swept Queet aso - 3 days where by storm	1-11-				
Voor	ım Bog Tom Weig	hea/Taeal Ca	1 777	- 3 days Tirce by storm					
	ım Bag Tare Weig	utsy Fotal Sa	mple Weight						
	05	Tran		Tran					
IG	65,59e1 g	10"	Sample ID	05 IG 07 17 96 HOLD 1607 61	201				
	· · · · · · · · · · · · · · · · · · ·	20"	Sample ID	ING + AD 20"					
NIG	65,72 g/ g	10"	Sample ID	WIG	24'				
NING	65,05 g/ g	20"	Sample ID	NING 1 A Q 20"	ŕ				
Site_	36 44								
IG	64221 g	10"	Sample ID	36 IG 071796					
ING	65,13 gl g	20"	Sample ID	ING +AQ 20"	201				
NIG	65,00g/ g	10"	Sample ID	NIG	91				
NING	653/g/ g	20"	Sample ID	36 IG 07/796 ING +AQ 20" NIG 1AQ 20"					
TO S	ite								
G	g/g		Sample ID						
NG	<u>g/</u> g		Sample ID	·					

Date:	711	1 96	Weath	ner <i>SO</i>	Partl.	Mondy		<u></u>	
Samp	ling Team	n: 05							
Inters	ection:	5th & Re	leve					_	
Track	Out Site	Present: Y	/ (N)	Air (Quality Site:	Y / N			
<u>Y</u>	N			•		Commen	<u>nts</u>		
<u>v</u>		Photos take	en of all tra	ınsects					
<u> </u>	1	Photos take	en from all	photo station:	s				
1.		Trackout si	te sampled	l (if present)					
	<u>v</u>	Air quality	samples co	ollected (if app	propriate)			_	
<u>v</u>		All transect	ts and strat	a sampled				<u> </u>	
				nple Weight	Re	cent Swe	در در در در در در در در در در در در در د	lukonsi Luivasy in	14
Site_	5 M		widle			ucepo smea uttau			
IG	65.69	g/ g	10"	Sample ID	_	71796	e S		
ING	65,62	<u>z/</u> g	1	Sample ID	ING		1/	/12/96 Ex	
NIG	65,59	<u>g</u> /g		Sample ID	NIG			H/10/96	
NING	66.90	<u>/g</u>		Sample ID	NING			· // 12	
Site_	deere								
IG	64,97	<u>/</u> g		Sample ID	RVIO	07/79	6		
ING	661298	<u>y</u> g		Sample ID	IN				
NIG	67,150	<u>z/</u> g		Sample ID	NIC	5			
NING	66,350	<u>;/g</u>	J	Sample ID	INI	nal			
TO S	ite								
G	8	<u>/ g</u>		Sample ID					
NG		<u>/ g</u>		Sample ID					

Date:	712	4196	Weati	her Dunc	$a = \frac{1}{2}$	<u></u>	<u>.</u>	
Sampling Team: 6 Spece /								
Inters	ection:_	269	vv - 1	muldon.				
Track	Out Site	Present:	Y / Ń)	Air Q	uality Site	:: Y/ <i>X</i> 9)	est 7/22/96	
<u>Y</u>	N			•		Comments	(en 14/9/8	
<u> </u>		Photos	taken of all tra	ansects			v	
<u> </u>		Photos	taken from all	photo stations		Sweet as	000 + 2-3 da,	
M	4	Trackou	it site sample	d (if present)			430	
<u> </u>	<u> </u>	Air quai	lity samples c	ollected (if appr	opriate)			
			sects and strat			butter only	J. Ce	
17	D 7	3. XXI :				,	_	
			ehts/Total Sar	nple Weight				
Site_	Mule	<u> </u>	wid 4		t.		Length	
IG	68,6)g/	w.d.4 10"	Sample ID	MUL	<u>I60724</u> 96	20'	
ING	 -	g/	S	Sample ID				
NIG	68.72	g/	s (5)	Sample ID	MUL	NJ 6 072495	24′	
NING		g/	g	Sample ID				
Site_	0160	<i>}</i>						
IG	68.76	g/ 1	s to	Sample ID	DEBI	T6072496	2 2 '	
ING		g/	2	Sample ID			~ `	
NIG	67.12	g/	3 15 6	Sample ID	DEBN	T6 5724 96	241	
NING	· —	g/ 1	3	Sample ID			2 7	
TO S	ite	_						
G		E S	3	Sample ID				
NG	\angle	g/ s	2	Sample ID		X		
				•				

Date: 1 / 29 / 76 Wear	ther Ovac	16 50°F
Sampling Team: O. Spenn		
Intersection: Iona dSpan	1	
Track Out Site Present: Y / N	Air (Quality Site: Y N
<u>Y N</u>	•	Comments
Photos taken of all to	ransects	
Photos taken from a	ll photo stations	
Trackout site sample	ed (if present)	
$\frac{N}{A}$ Air quality samples of		propriate)
All transects and stra		anther only
		
Vacuum Bag Tare Weights/Total Sa		
Site Sponard width		, 2/
IG 68.56 gl g 10"	Sample ID	SPIG 0724 26 length
ING g/g	Sample ID	
NIG 67.80 g 104	Sample ID	SPANIG 072496
NING g/g	Sample ID	
Site		
IG <u>67.44g/</u> g 164	Sample ID	IOWI6072496
ING g/g	Sample ID	
NIG <u>67,30g/</u> g 10"	Sample ID	JOW NJG 072496
NING g/g	Sample ID	
TO Site		
G g	Sample ID	
NG g	Sample ID	
	-	

	Street Sediment I Sampling F	Loads Assessn ield Note Forn		Date: _ 7	RS-261 96			
~	Intersection:	A	Weather C	overrast	50 %			
	Sampling Team:	Spincer		Doon n				
			Air Quality Site: Y / (N					
	N Photos taken	of all transects						
	(\widehat{Y}) N Photos taken	from all photo s	stations					
	N Trackout site	sampled (if pres	sent)		- ,,			
	(Y) N Air quality samples collected (if appropriate)							
	Y N All transects and strata sampled							
	Site 6 th			Air	Transect			
	Vacuum Bag Tare W	<u>eights</u>	,	Quality	width / length			
	IG <u>68,50</u> g	Sample ID	6IG 07 24 96		<u>10"/12'</u>			
	ING g	Sample ID			/			
	NIG 68,86g	Sample ID	GNIG 072496		10"/12"			
	NINGg	Sample ID			/			
	Site #	_		,	_			
	$IG = 67.57_g$	Sample ID	1 AIGO 72696	2	<u>lo"/ 12 '</u>			
	ING g	Sample ID			/			
	NIG 67.8 g	Sample ID	ANIG072696		10"1 12'			
	NINGg	Sample ID			/			
	Track Out Site_							
	TOG <u>66.82g</u>	Sample ID	AT06072696		10" / 12'			
	TONG 67,50g	Sample ID	ATONG 072696		<u>_10" 41 '</u>			
	NTOG <u>67,10</u> g	Sample ID	11 ANTOGO 7269		<u> 10" / 12'</u>			
	NTONG 66.94g	Sample ID	ANTONG072696	<u>180</u>	10"/4/"			
,	To Alley 67.	3/	AtOAlley072696	6 + AQ	10"			
	,		/					

Street Sediment Sampling	Loads Assess Field Note For		Date:	7 1 26 1 96
Intersection: 1/1/	+ Denali	Weather_ <i>O</i>	vercust	45° F
Sampling Team:	Spencer	1	Sioan	
Track Out Site Preso	ent: Y/N,	Air Quality Site: Y /	🗓, Gutter	r Only: 檱 / N
N Photos taker	of all transects			
YN Photos taker	from all photo	stations		
1		esent)		
		d (if appropriate)		
-		oled		
Site Denali				
Vacuum Bag Tare V	Veights		Air Quality	Transect width / length
IG 67.30 g	Sample ID	DenIG-072696	_	_(0"/
ING g	Sample ID		. <u></u>	/
NIG 67.37 g	Sample ID	DENNIG 072696		/
NINGg	Sample ID		·	/
Site NLTB				
IG 67.09 g	Sample ID	NLTIIG072696		/
ING g	Sample ID	·		/
NIG 67.68 g	Sample ID	NLTBNIG 07	2696	/
NINGg	Sample ID		. <u></u>	/
Track Out Site				
TOG g	Sample ID			/
TONG g	Sample ID		•	/
NTOGg	Sample ID			/
NTONGg	Sample ID			/

			Da	ite: 07/26/96	<u>ź</u>
ction: NUs 1	Spenard	We	ather Overco	ist 45°F	<u></u>
ing Team: <u></u>	Spencer		C. Brown	in	_
			_		
Photos taken	of all transects	·			
Photos taken t	from all photo	stations			
					_
					flen, 75
					Hastry 6
					:h
67,43g	Sample ID	NL+IG O	72696		
67.67g	Sample ID	ING	4 A	<u>10" / 194</u>	183+8EC+1
66,89g	Sample ID	NIG		10" 1 28	-) Transe
67,30g	Sample ID	y NING	1 A A G	10" 19	J 112 ns
	_			(44.3)+(7)
g	Sample ID		<u>.</u>	/	_
g	Sample ID			/	_
g	Sample ID				
g	Sample ID			//	
Out Site_	- 				
g	Sample ID			/	
g	Sample ID			//	_
<u> </u>	Sample ID				
	Sampling Fiction: NHS 4 Ing Team: NHS 4	Sampling Field Note For ction: NHS & Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing Team: Spena d Ing T	Dut Site Present: Y / (N). Air Quality Site Photos taken of all transects Photos taken from all photo stations Trackout site sampled (if present) Air quality samples collected (if appropriate) All transects and strata sampled Transect Bag Tare Weights 67.42g Sample ID 67.67g Sample ID 77.30g Sample ID g Sample ID	Sampling Field Note Form Ction: NH5 + Spena-d Weather Overce Ing Team: S. Spence- Out Site Present: Y/N Air Quality Site: Ø/N, Photos taken of all transects Photos taken from all photo stations Trackout site sampled (if present) Air quality samples collected (if appropriate) All transects and strata sampled Transect //2 h Air maga Tare Weights 67.42g Sample ID 66.89g Sample ID 77.30g Sample ID g Sample ID	Sampling Field Note Form Ction: NH5 + Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. Spana-d Weather Overas/ 45°F Ing Team: D. N.

NTONG___g Sample ID

Date: 08/06/76 Intersection: 15th + Columbiae Weather Clear 50°F list I wind Sampling Team: Bill Spence / Track Out Site Present: (\mathcal{D}/N) , Air Quality Site: (\mathcal{D}/N) , Gutter Only: Y / (\mathcal{D}/N) N Photos taken of all transects N Photos taken from all photo stations except Col 150, 200 NF 8/8 C.S. N Trackout site sampled (if present) (Y) N Air quality samples collected (if appropriate) N All transects and strata sampled_____ Site_15 F4 Air Transect Vacuum Bag Tare Weights width / length **Ouality** 66,10 g 15AIG080696 IG Sample ID ING 66,39g 15AIN6012696,AQ Sample ID NIG 66,12g Sample ID ISANTGO10696 NING 65, 80g 15ANTNG0896961AQ Sample ID AD 2Trunker 102,150 Site Columbia 65,43g IG Sample ID COL IG010696 ING 67,16g COLTNG DIOGOG +AQ Sample ID NIG 65,40g COL WIT 6080696 Sample ID NING 65,85 COLNING OFDETE MAD Sample ID Track Out Site 15 TOG 66,50g 15A TOG 080696 Sample ID TONG 66, 28g 1SATONG Sample ID NTOG66,25g ISA NTOG Sample ID ISA NTONG NTONG66,28g Sample ID TO Alley 66.37 Sumplifo 15 ATO A16,080696 + AQ

Street		oads Assessield Note Fo	sment Project rm	Date: 8	16196
Interse	ection: <u>/6 ⁴⁴ .</u>	Columbi	Weather C	(ear 48	8°F
Sampl	ing Team:	. Spence	· <u> </u>		
Track	Out Site Preser	nt: Ŷ / N,	Air Quality Site: Y /	Gutter	Only: Y/N
(Y) N	Photos taken	of all transects	photos take	1 8/8	
(Y) N	Photos taken t	from all photo	stations		
(\widehat{Y}) N	Trackout site	sampled (if pr	esent)	<u> </u>	
WA	Air quality san	mples collecte	d (if appropriate)	· · · · · · · · · · · · · · · · · · ·	
(Y)N	All transects a	ind strata sam	pled		
Site_	16 th	_			
Vacuu	m Bag Tare We	eights	<	Air Quality	Transect width / length
IG	66,12g	Sample ID	1616 0805 96		10"/
ING	66.85 g	Sample ID	16 TNG		/
NIG	66,51 g	Sample ID	16 NIG		/
NING	66.42g	Sample ID	16 NING		/
Site_/	<i>lolumbine</i>	_			
IG	64,76g	Sample ID	(OIG 080696		/
ING	64.96 g	Sample ID	1		/
NIG	64,88 g	Sample ID	CONTG		/
NING	66.97g	Sample ID	CONING V	-	/
Track	Out Site	16th TO			¥
TOG	66,81 g	Sample ID	1670 6 0006 76		1 16'
TONO	366,71 g	Sample ID	1670NG		/
NTOC	3 <u>66.50 g</u>	Sample ID	16NTOG		/
NTON	1 <u>G66.65g</u>	Sample ID	16NTONG		<u> </u>
TO Al	ley 65.15		1670 Ally 08 0696		

	ing Field Note For		Date:	817196	
Intersection:	15th E	Weather	Clear 6	0°F	
Sampling Team	1: B. Spencer		West		
Track Out Site I	Present: Y /	Air Quality Site: Y /	S Gutter	r Only: Y/🕥	
YN Photos t	aken of all transects	Took stads most	. alth au	Here, where the dire	lwas
Y N Photos t	aken from all photo	stations			
M Trackou	it site sampled (if pre	esent)			
X/X Air qual	ity samples collected	l (if appropriate)			
N All trans	sects and strata samp	led			
Site			Air	Transect	
Vacuum Bag Ta	are Weights		Quality	width / length	
IG (U.)	Sample ID	1516080796	_	<u>10"</u> 1	
ING 65,31	g Sample ID	ISTNG		/	
NIG 65,36	g Sample ID	15 NIG	_	/	
NING 66.58	g Sample ID	15 NING U		/	
Site					
IG 65,35	g Sample ID	EIG 080796	<u>, </u>	10"/	
ING 65.49	§ Sample ID	EING		/	
NIG 66.55	g Sample ID	ENIG		<u> </u>	
NING 65.16	g Sample ID	ENING L		<u> </u>	
Track Out S	Site				
TOG	g Sample ID		_	/	
TONG	g Sample ID		-	/	
NTOG	g Sample ID		_	/	
NTONG	g Sample ID	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		/	

Street		oads Assessi eld Note Fori	nent Project n	Date:	817196
Intersed	ction: 20 ⁷¹ 0	Lk Ofis	Weather	Cear 6	5° E
Sampli	ng Team: <u>Ø</u> ,	Spencer	1_C, q	1052	
Track (Out Site Presen	t: Y / 🕅,	Air Quality Site: Y /	Gutter	Only: 🕎/ N
ÝΝ	Photos taken o	of all transects			
Ø N	Photos taken f	rom all photo	stations		
NA	Trackout site s	sampled (if pre	sent)		
			(if appropriate)		
(Y) N	All transects a	nd strata sampl	ed	 	
Site_	207	-			
Vacuur	n Bag Tare We	ights		Air Quality	Transect width / length
IG	65,59g	Sample ID	2016 080796		10" 1 12"
ING	<u>g</u>	Sample ID			/
NIG	64.80g	Sample ID	20 NJG 0807 96		10" 1 121
NING	g	Sample ID			/
Site_4	lk Otis	_			
IG	66.64g	Sample ID	Lt 0+ IG 0807 96		10"1 12"
ING	<u>g</u>	Sample ID			/
NIG	66.66 g	Sample ID	LK 0+ NT(+ 08 0796		100/ 121
NING	g	Sample ID			/
Track	Out Site_				
TOG	<u>g</u>	Sample ID			/
TONG	<u>g</u>	Sample ID			/
NTOG	g	Sample ID			/
NTON	Gg	Sample ID			/

	Street Sediment Lo Sampling Fie			Date: 8	18196			
Same of	Intersection: 13 ¹⁴	Karlnk	Weather	so°For	errast			
	Sampling Team:	Spencer	/					
	Track Out Site Present:	. (Ŷ N,	Air Quality Site: Y / N	N, Gutter C	Only: Y/N			
	(Y) N Photos taken of	all transects						
	YN Photos taken fro	om all photo st	ations Track o	nt & No	n Trock ou			
	(Ý) N Trackout site sampled (if present)							
	Air quality samples collected (if appropriate)							
	N All transects and strata sampled Track out + Non Trackout							
	Site			. •	.			
	Vacuum Bag Tare Wei	ghts		Air Quality	Transect width / length			
	IG g	Sample ID			/			
	ING g	Sample ID			/			
	NIGg	Sample ID	-		/			
-	NINGg	Sample ID			/			
	Site							
	IGg	Sample ID			/			
	ING g	Sample ID			/			
	NIGg	Sample ID			/			
	NINGg	Sample ID			/			
	Track Out Site/	3+1						
	TOG 66.90g	Sample ID	13TOG 0808	16	10"1			
	TONG 66,47g	Sample ID	13TONG	10"	/			
	NTOG 66.55g	Sample ID	13 NTOG		/			
	NTONG <u>67.21g</u>	Sample ID	13NTONG	10"	/			
	AOA16,66.70		13 TO Alley	10"				
· Sense	/		ı					

	Street Sediment Loads Assessment Project Sampling Field Note Form				Date: 8 / 8 / 96				
~	Interse	ction: $9^{14} + k$	Carlak	Weatl	her Ove	ercust	Jo°		
	Sampli	ing Team: <u></u>	Spencer	/					
	Track	Out Site Presen	t: 🕎/ N ,	Air Quality Site:	Y / N,	Gutter C	Only: Y/N		
	ÝN	Photos taken o	of all transects						
1	N Photos taken from all photo stations								
	N Trackout site sampled (if present)								
	Air quality samples collected (if appropriate)								
(N All transects and strata sampled								
	Site_	Kurluk	_				.		
	Vacuu	m Bag Tare We	ights		(Air Quality	Transect width / length		
	IG	66.54g	Sample ID	KO IG 080	896		<u> 10"/</u>		
	ING.	66,94g	Sample ID	KO TWG	+	_	/		
	NIG	66,66g	Sample ID	KONTG	 		/		
	NING	67,00g	Sample ID	KBNING	<u>t</u>	_	/		
	Site_	gti	_						
	IG	66.60 g	Sample ID	9 IG 080	0896		/		
	ING	66.45g	Sample ID	9 ING	 		/		
	NIG	66.72g	Sample ID	9 NIG	 		/		
	NING	66.75g	Sample ID	9 NING			<u> </u>		
	Track Out Site Kannek								
	TOG	65,11 g	Sample ID	KBTOG O	8089	6	/		
	TONG	6505g	Sample ID	LCD TONG	 		/		
	NTOG	66,2 g	Sample ID	16BNTOG			/		
	NTON	1665,\$6g	Sample ID	KDNTONG	4		/		
	TO A	lley 67.64		K ATO Alley C	5808	96			
*****	7			/					

Street		oads Assessn eld Note Forn		ect	Date:	8 1 12 1 96
Intersection: 215d & Blue Servy Weather partly Sunny 50°E						ing Sois
Sampling Team: 0. Spender /						
Track C	out Site Presen	t: Y / Ŋ	Air Quality	Site: Y /	N Gutte	r Only: Y/Ñ
Y)n I	Photos taken o	of all transects				
Y N	Photos taken f	rom all photo s	tations			
MA.	Trackout site s	sampled (if pres	sent)			
AN.	Air quality san	nples collected	(if appropri	ate)		
ŊN.	All transects a	nd strata sample	ed		······································	
Site 2	15+ Ans	_			A :	Transact
<u>Vacuum</u>	n Bag Tare We	<u>ights</u>			Air Quality	Transect width / length
IG É	66.05g	Sample ID	2116	08129	<u>6</u>	10" 1 +2 22
ING G	55,35g	Sample ID	21IN	60E129	6	<u>"</u> /
NIG 6	(5,43 g	Sample ID	211050	08 127	<u>5</u>	<u>"</u> / <u>44</u>
NING	55,34 g	Sample ID	2 INJN	1608179	5	<u>", 348"</u>
Site		_				
IG .	g	Sample ID		<u> </u>	_	/
ING .	g	Sample ID				/
NIG .	g	Sample ID			-	/
NING .	g	Sample ID				/
Track	Out Site	 				
TOG	g	Sample ID			_	/
TONG	<u>g</u>	Sample ID				/
NTOG	g	Sample ID		· · · · · · · · · · · · · · · · · · ·	_	/
NTON	Gg	Sample ID				/
10	nistrailis.	aha	Z	<i>+ 1</i>		4/
Construction area has impacted area with sedimends and wash from concrete operation.						
W W N	rom (unione of	reading.			

· .~

Round 1 Particle Size Distribution (Sieve Analysis) Plots

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GRAIN SIZE DISTRIBUTION TEST DATA 4-29-95 Project: 1801.0441 Project: STREET SEDIMENT SAMPLING 1801.0441 Sample Data Location of Sample: 5IG032796 Sample Description: POORLY GRADED SAND WITH SILT SP-SM Liquid limit: USCS Class: Plasticity index: AASHTO Class: Notes Remarks: Fig. No.: Mechanical Analysis Data Initial Dry sample and tare= 1127.20 = 162.90 Tare Dry sample weight = 964.30 Tare for cumulative weight retained= 228 Cumul. Wt. Percent retained finer 0.5 inches 228.00 100.0 0.375 inches 258.00 96.9 # 4 393.10 82.9 # 10 716.30 49.4 716.30 49.4 # 10 36.7 27.1 # 20 838.30 931.30 1082.10 1118.50 # 40 11.4 # 100 # 140 7.7 1137.50 5.7 # 200 Fractional Components % + 75mm. = 0.0 % GRAVEL = 17.1 % SAND = 77.2

% + 75mm. = 0.0 % GRAVEL = 17.1 % SAND = 77.2 % FINES = 5.7

D85= 5.07 D60= 2.688 D50= 2.039

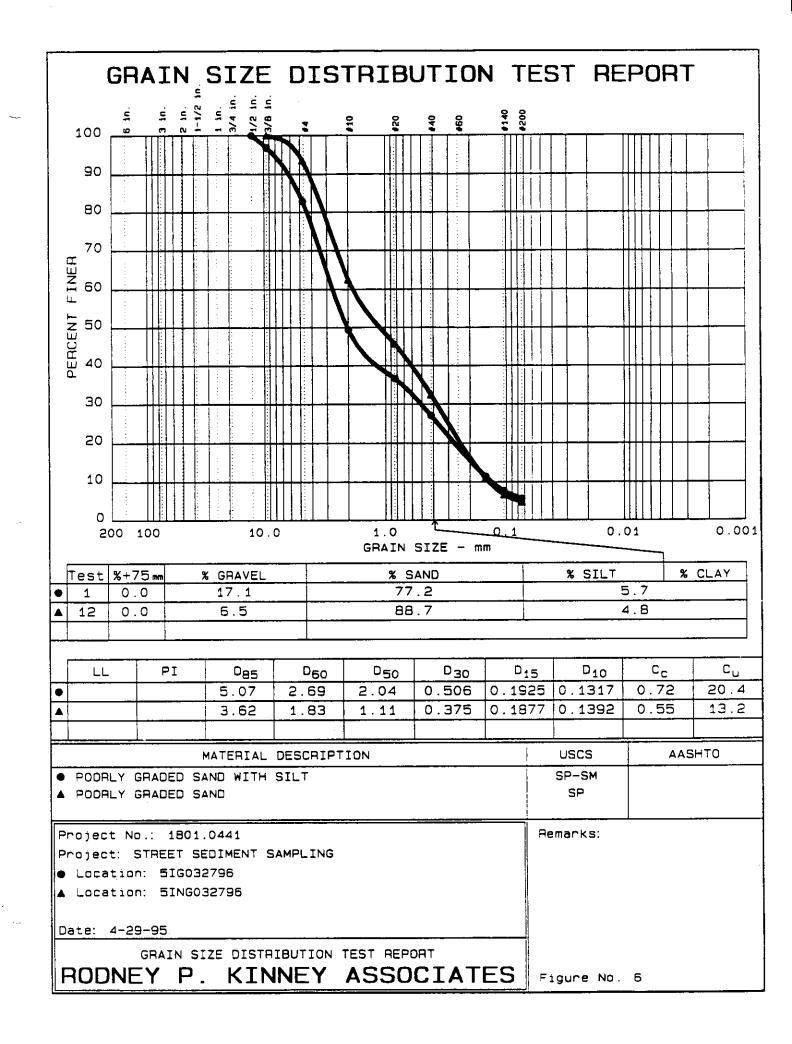
D30= 0.5064 D15= 0.19253 D10= 0.13167

Cc = 0.7244 Cu = 20.4174

```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                      Test No.: 12
                 4-29-95
Project: 1801.0441
STREET SEDIMENT SAMPLING
                1801.0441
Sample Data
                            _______
Location of Sample: 5ING032796
Sample Description: POORLY GRADED SAND
USCS Class:
AASHTO Class:
                                 Liquid limit:
                SP
                                 Plasticity index:
                              Notes
Remarks:
Fig. No.:
                    Mechanical Analysis Data
                 Initial
Dry sample and tare= 1481.10
               = 222.30
Tare
Dry sample weight = 1258.80
Tare for cumulative weight retained= 223.4
 eve Cumul. Wt. Percent retained finer 0.375 inches 223.40 100.0 # 4 304.70 93.5 # 10 694.90 62.5
  # 20
               907.20
                         45.7
                         32.4
  # 40
              1074.10
             1345.00
                         10.9
  # 100
                          6.6
  # 140
              1399.30
                       4.8
  # 200
              1421.40
                       Fractional Components
% + 75mm. = 0.0 % GRAVEL = 6.5 % SAND = 88.7
% FINES = 4.8
D85= 3.62 D60= 1.834 D50= 1.105
```

D30= 0.3745 D15= 0.18772 D10= 0.13916

Cc = 0.5495 Cu = 13.1826



```
2p=2p=23885==480=2885=28855288548868488888888888885555555555888884=45888888
                    GRAIN SIZE DISTRIBUTION TEST DATA
                                                         Test No.: 14
                  4-29-95
Da' :
Pi ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
_______
Location of Sample: 5NING032796
Sample Description: POORLY GRADED SAND
                                   Liquid limit:
                 SP
USCS Class:
                                   Plasticity index:
AASHTO Class:
                                Notes
Remarks:
Fig. No.:
                       Mechanical Analysis Data
                  Initial
Dry sample and tare= 1522.10
                = 247.10
Tare
Dry sample weight = 1275.00
Tare for cumulative weight retained= 247.1
 re 101 camel. Wt. retained finer
0.375 inches 247.10 100.0
# 4 333.20 93.2
683.30 65.8
              Cumul. Wt. Percent
                           46.9
  # 20
                923.50
               1147.20
                           29.4
  # 40
              1415.80
  # 100
                           8.3
  # 140
                            4.2
               1468.00
               1492.10 2.4
  # 200
                         Fractional Components
% + 75mm. = 0.0 % GRAVEL = 6.8 % SAND = 90.9
% FINES = 2.3
D85= 3.54 D60= 1.596 D50= 0.972
D30= 0.4290 D15= 0.22004 D10= 0.16501
```

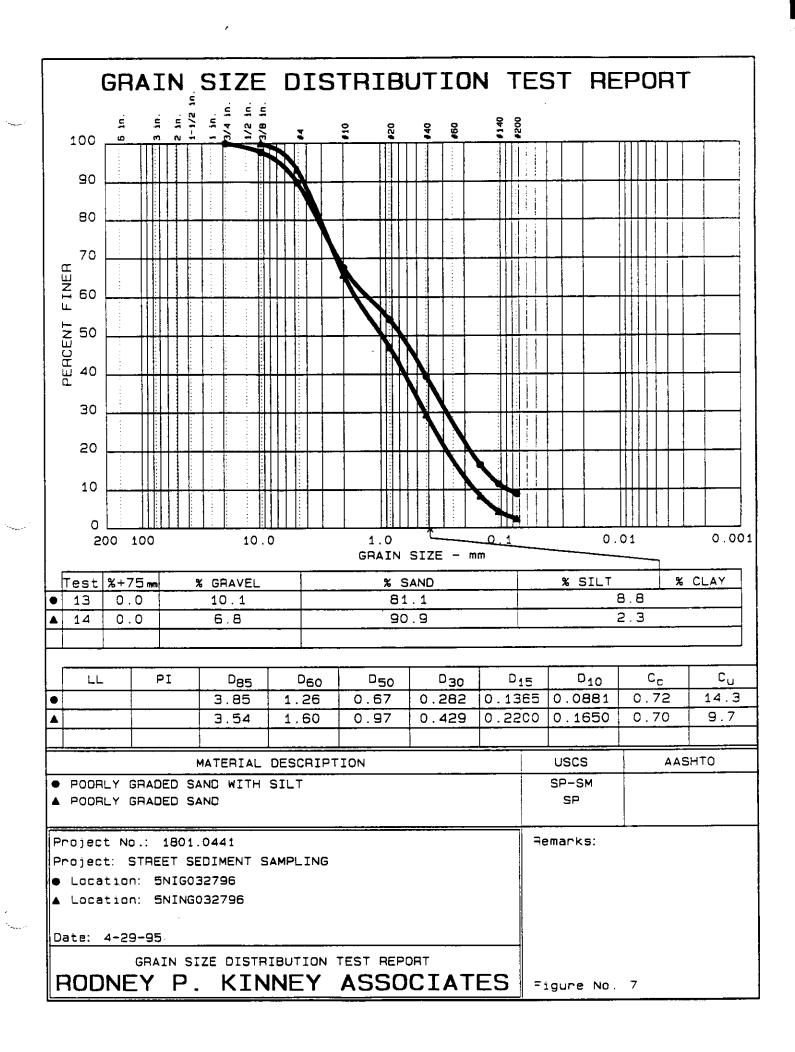
Cc = 0.6990 Cu = 9.6716

GRAIN SIZE DISTRIBUTION TEST DATA 4-29-95 Project: 1801.0441 Project: STREET SEDIMENT SAMPLING Sample Data Location of Sample: 5NIG032796 Sample Description: POORLY GRADED SAND WITH SILT SP-SM Liquid limit: USCS Class: Plasticity index: AASHTO Class: Notes Remarks: Fig. No.: Mechanical Analysis Data Initial Dry sample and tare= 1257.60 = 226.40 Tare Dry sample weight = 1031.20 Tare for cumulative weight retained= 228 Cumul. Wt. Percent 3A6 retained finer 0.75 inches 228.00 100.0 0.375 inches 250.80 97.8 331.90 89.9 # 4 # 10 561.70 67.6 # 20 700.70 54.2 851.70 39.5 # 40 851.70 1089.80 16.4 # 100 # 140 1141.50 11.4 1168.00 8.8 # 200 Fractional Components % GRAVEL = 10.1 % SAND = 81.1 % + 75 mm. = 0.0% FINES = 8.8

D85= 3.85 D60= 1.259 D50= 0.668

Cc = 0.7161 Cu = 14.2889

D30= 0.2818 D15= 0.13646 D10= 0.08810



```
GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 8
                4-29-95
Project: 1801.0441

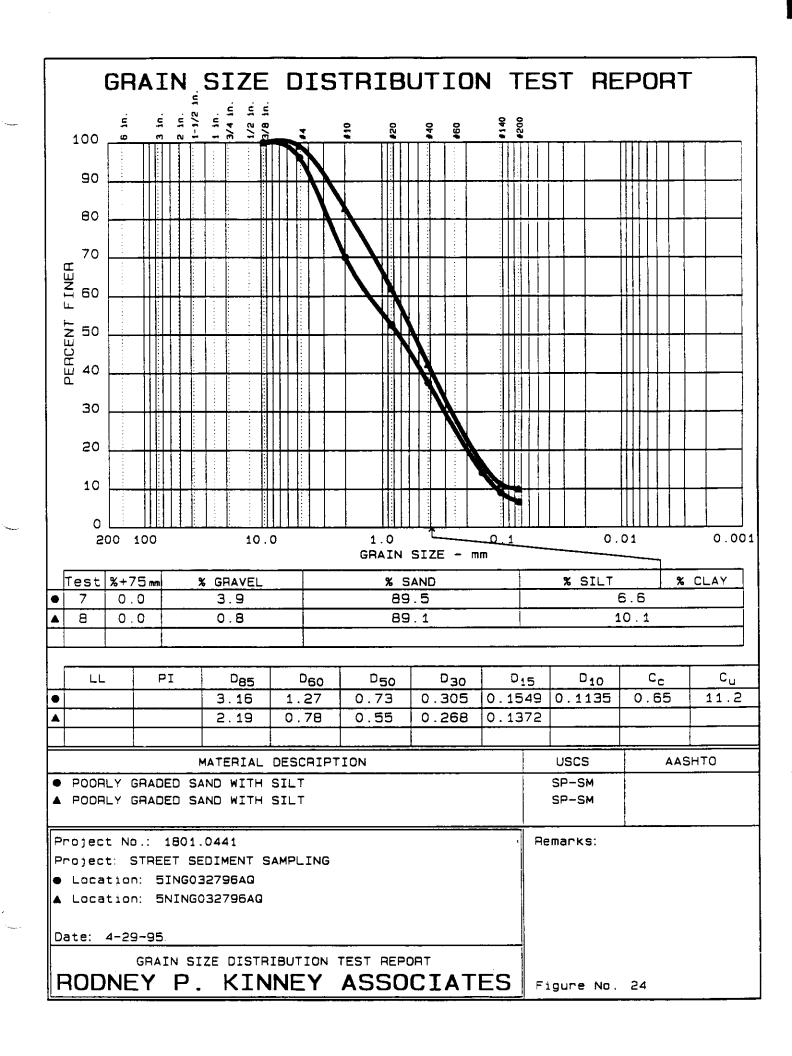
STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: 5NING032796AQ
Sample Description: POORLY GRADED SAND WITH SILT
USCS Class: SP-SM AASHTO Class:
                              Liquid limit:
                              Plasticity index:
                           Notes
Remarks:
Fig. No.:
Mechanical Analysis Data
                Initial
Dry sample and tare= 743.30
          = 169.50
Tare
Dry sample weight = 573.80
Tare for cumulative weight retained= 230.8
  `eve
            Cumul. Wt. Percent
 retained finer
0.375 inches 230.80 100.0
# 4 235.60 99.2
# 10 329.30 82.8
# 20 449.40 61.9
# 40 561.30 42.4
 # 100
              710.10
                       16.5
                       11.3
10.1
 # 140
             740.00
 # 200
              746.70
                     Fractional Components
% + 75mm. = 0.0 % GRAVEL = 0.8 % SAND = 89.1
% FINES = 10.1
```

D85= 2.19 D60= 0.782 D50= 0.547

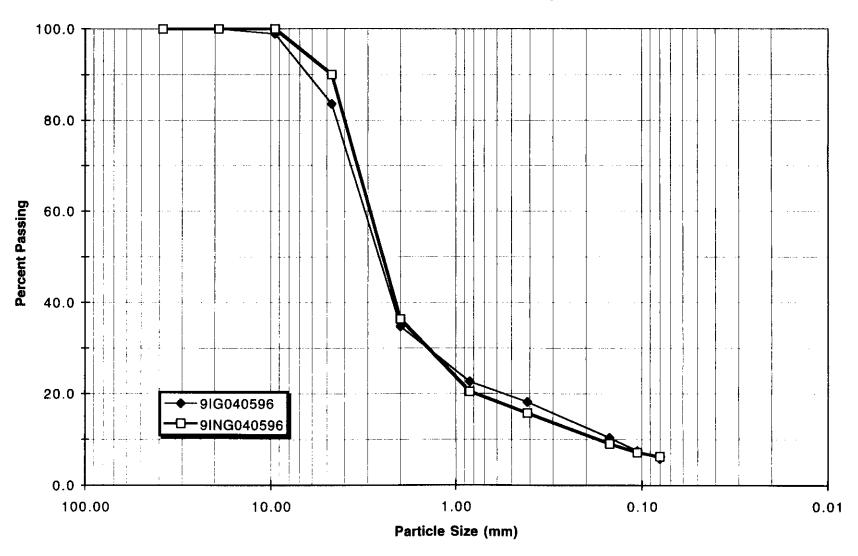
D30= 0.2676 D15= 0.13725

```
GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 7
)a+~:
               4-29-95
r ct No.: 1801.0441
STREET SEDIMENT SAMPLING
              1801.0441
Sample Data
Socation of Sample: 5ING032796AQ
Sample Description: POORLY GRADED SAND WITH SILT
              SP-SM
                             Liquid limit:
JSCS Class:
                             Plasticity index:
AASHTO Class:
                          Notes
Remarks:
             24
Fig. No.:
Mechanical Analysis Data
               Initial
Dry sample and tare= 1178.30
Tare = 227.00
Dry sample weight = 951.30
Tare for cumulative weight retained= 227
            Cumul. Wt. Percent
  eve
 retained finer
0.375 inches 227.00 100.0
# 4 263.70 96.1
# 10 512.40 70.0
# 20 679.00 52.5
# 40 820.70 37.6
 # 100
            1042.80
                      14.2
                      9.1
6.6
 # 140
            1092.10
 # 200
            1115.40
                   Fractional Components
% + 75mm. = 0.0 % GRAVEL = 3.9 % SAND = 89.5
% FINES = 6.6
D85= 3.16 D60= 1.274 D50= 0.733
```

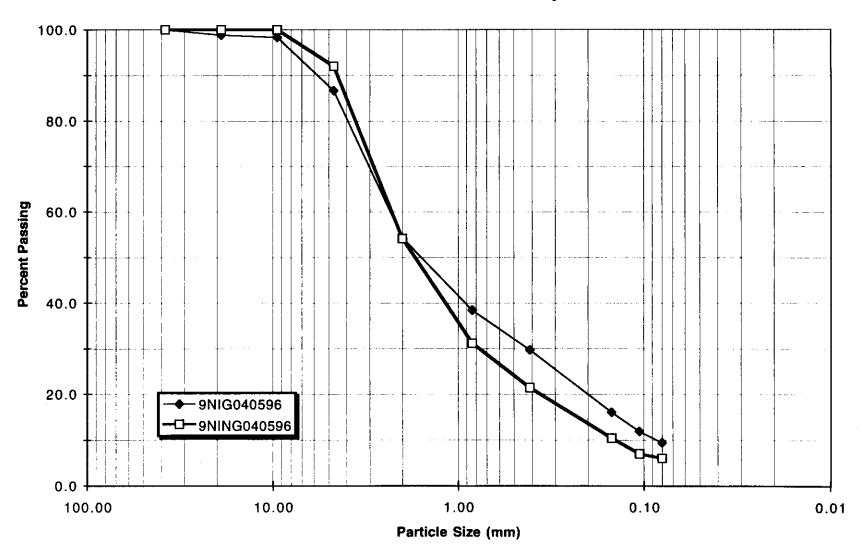
D30= 0.3055 D15= 0.15488 D10= 0.11350 Cc = 0.6457 Cu = 11.2202



GRAIN SIZE DISTRIBUTION TEST REPORT Street Sediment Loads Project



GRAIN SIZE DISTRIBUTION TEST REPORT Street Sediment Loads Project



```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                  Test No.: 15
                4-29-95
De :
Project: 1801.0441
STREET SEDIMENT SAMPLING
               1801.0441
Sample Data
______
Location of Sample: 12IG032696
Sample Description: POORLY GRADED SAND WITH SILT
USCS Class:
                              Liquid limit:
               SP-SM
                               Plasticity index:
AASHTO Class:
                            Notes
Remarks:
Fig. No.:
                   Mechanical Analysis Data
                Initial
Dry sample and tare= 1091.60
             = 169.30
Tare
Dry sample weight = 922.30
Tare for cumulative weight retained= 169.3
  eve Cumul. Wt. Percent
 retained finer
0.75 inches 169.30 100.0
0.5 inches 180.20 98.8
0.375 inches 202.90 96.4
              399.50
                        75.0
 # 4
 # 10
                       36.8
              752.20
                    27.0
20.5
10.1
              842.20
 # 20
              902.90
 # 40
```

Fractional Components

% + 75mm. = 0.0 % GRAVEL = 25.0 % SAND = 68.8

1021.70 7.6 1033.70 6.3

% FINES = 6.2

100

140 # 200

D85= 6.10 D60= 3.467 D50= 2.818

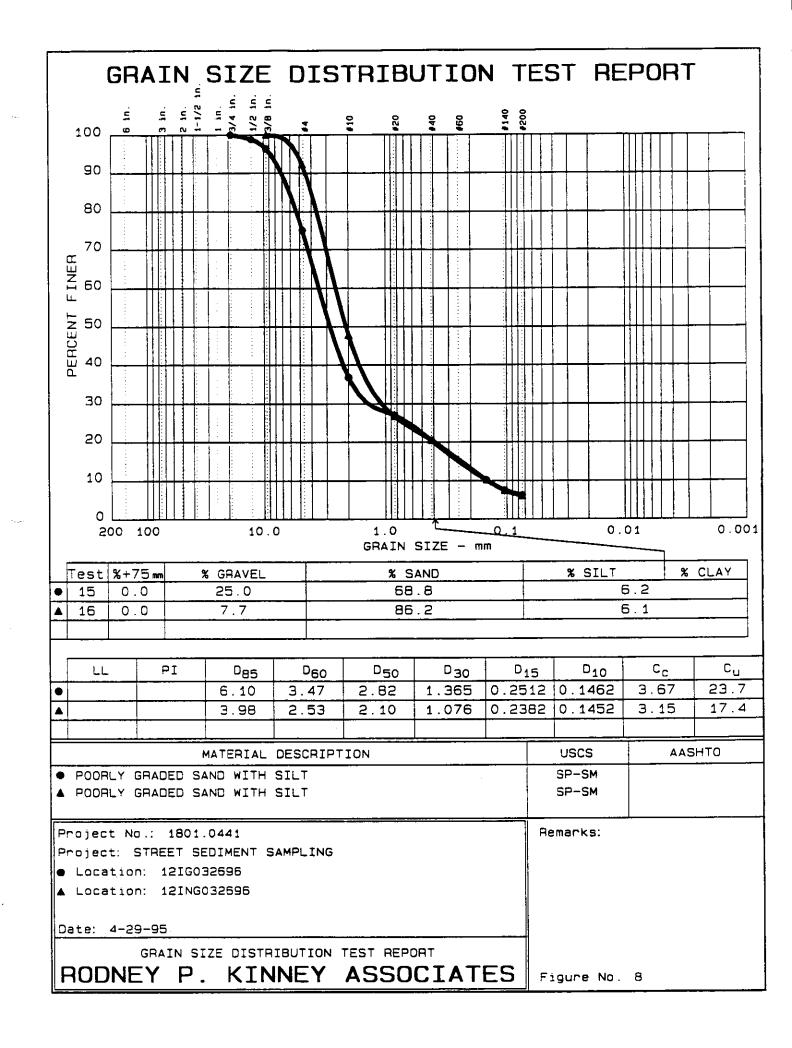
D30= 1.3646 D15= 0.25119 D10= 0.14622

998.30 1021.70

Cc = 3.6728 Cu = 23.7137

```
GRAIN SIZE DISTRIBUTION TEST DATA
                                              Test No.: 16
               4-29-95
Project: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: 12ING032696
Sample Description: POORLY GRADED SAND WITH SILT
USCS Class: SP-SM AASHTO Class:
                           Liquid limit:
                           Plasticity index:
AASHTO Class:
                          Notes
Remarks:
Fig. No.:
                 Mechanical Analysis Data
               Initial
Dry sample and tare= 842.60
            = 161.50
Tare
Dry sample weight = 681.10
Tare for cumulative weight retained= 162.4
 2ve Cumul. Wt. Percent retained finer 0.375 inches 162.40 100.0 # 4 215.10 92.3
 # 10
             518.50
                      47.7
                      26.8
 # 20
             661.30
             703.80 20.5
773.90 10.2
 # 40
 # 100
 # 140
             792.70
                       7.5
             802.10 6.1
 # 200
                    Fractional Components
_______
% + 75mm. = 0.0 % GRAVEL = 7.7 % SAND = 86.2
% FINES = 6.1
D85= 3.98 D60= 2.532 D50= 2.099
D30= 1.0765 D15= 0.23823 D10= 0.14521
```

 $Cc = 3.1514 \quad Cu = 17.4381$

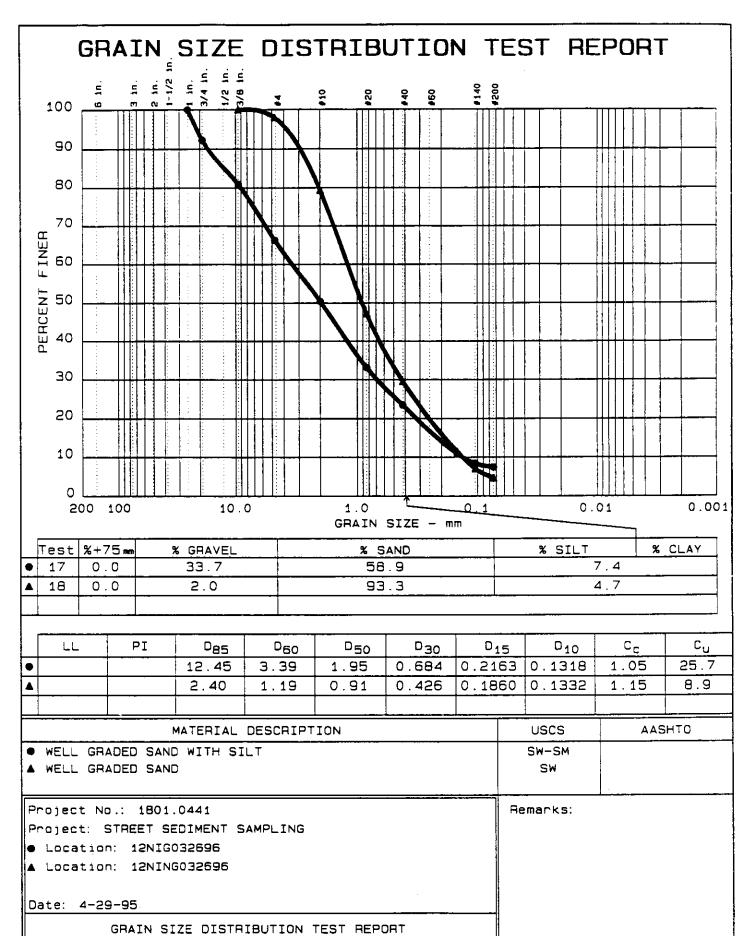


```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                    Test No.: 18
Da+ ·
                 4-29-95
P: ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
                1801.0441
Sample Data
_______
Location of Sample: 12NING032696
Sample Description: WELL GRADED SAND
                 SW
                                Liquid limit:
USCS Class:
                                Plasticity index:
AASHTO Class:
                             Notes
Remarks:
Fig. No.:
                  Mechanical Analysis Data
                 Initial
Dry sample and tare= 892.10
Tare = 164.70
Dry sample weight = 727.40
Tare for cumulative weight retained= 164.7
  ίνe
            Cumul. Wt. Percent
 retained finer
0.375 inches 164.70 100.0
# 4 179.00 98.0
# 10 315.30 79.3
                        47.2
 # 20
              548.60
              677.40
808.70
                         29.5
 # 40
                        11.5
 # 100
 # 140
              841.30
                         7.0
 # 200
              857.90
                         4.7
                      Fractional Components
% + 75mm. = 0.0 % GRAVEL = 2.0 % SAND = 93.3
% FINES = 4.7
D85= 2.40 D60= 1.189 D50= 0.911
D30= 0.4261 D15= 0.18599 D10= 0.13320
```

 $Cc = 1.1468 \quad Cu = 8.9228$

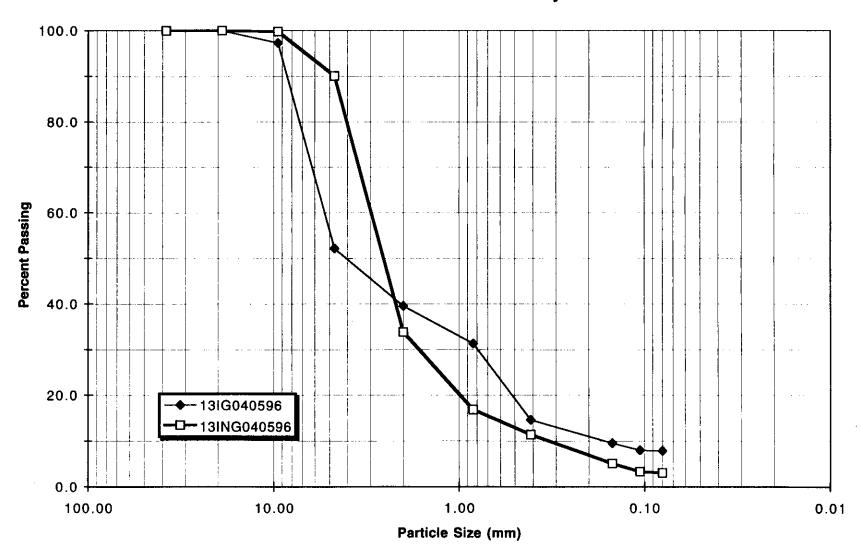
```
_______
                GRAIN SIZE DISTRIBUTION TEST DATA
                                               Test No.: 17
               4-29-95
Da+ ~:
Pr ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: 12NIG032696
Sample Description: WELL GRADED SAND WITH SILT
USCS Class: SW-SM
AASHTO Class:
                            Liquid limit:
                             Plasticity index:
                           Notes
Remarks:
Fig. No.:
Mechanical Analysis Data
               Initial
Dry sample and tare= 823.10
        = 227.20
Tare
Dry sample weight = 595.90
Tare for cumulative weight retained= 231.2
 Cumul. Wt. Percent retained finer 1 inches 231.20 100.0 0.75 inches 277.10 92.3 0.375 inches 344.80 80.9 # 4 431.80 66.3
                      66.3
             431.80
 # 4
 # 10
             526.80
                      50.4
                      33.1
 # 20
             629.70
                      23.4
            687.70
762.10
777.40
             687.70
 # 40
                      10.9
 # 100
 # 140
                       8.3
             782.70 7.5
 # 200
                    Fractional Components
 % + 75mm. = 0.0 % GRAVEL = 33.7 % SAND = 58.9
% FINES = 7.4
```

D85= 12.45 D60= 3.388 D50= 1.950 D30= 0.6839 D15= 0.21627 D10= 0.13183 Cc = 1.0471 Cu = 25.7040

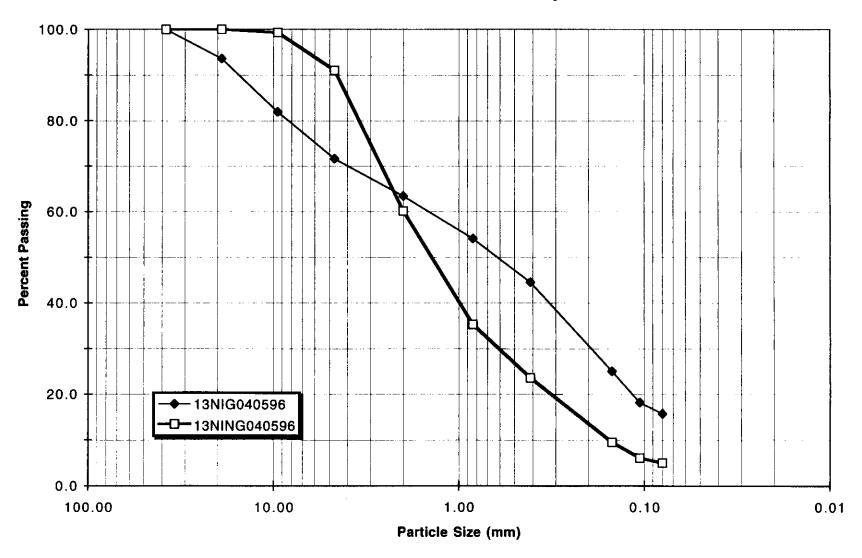


RODNEY P. KINNEY ASSOCIATES | Figure No. 9

GRAIN SIZE DISTRIBUTION TEST REPORT Street Sediment Loads Project



GRAIN SIZE DISTRIBUTION TEST REPORT Street Sediment Loads Project



GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 19

4-29-95 Da+ ~:

P: ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING

Sample Data ______

Location of Sample: 15IG032796 Sample Description: POORLY GRADED SAND WITH SILT USCS Class: AASHTO Class: SP-SM Liquid limit:

Plasticity index:

Notes

Remarks:

10 Fig. No.:

Mechanical Analysis Data

Initial

Dry sample and tare= 1290.70 = 230.80 Tare Dry sample weight = 1059.90

Tare for cumulative weight retained= 231.2

įve		Cumul. Wt.	Percent
Section 1		retained	finer
0.75	inches	231.20	100.0
0.375	inches	237.20	99.4
#4		375.20	86.4
# 10		686.90	57.0
# 20		870.80	39.7
# 40		981.40	29.2
# 100		1158.50	12.5
# 140		1197.50	8.8
# 200		1207.30	7.9

Fractional Components

% + 75mm. = 0.0 % GRAVEL = 13.6 % SAND = 78.5

% FINES = 7.9

D85= 4.52 D60= 2.203 D50= 1.507

D30= 0.4395 D15= 0.17701 D10= 0.11967

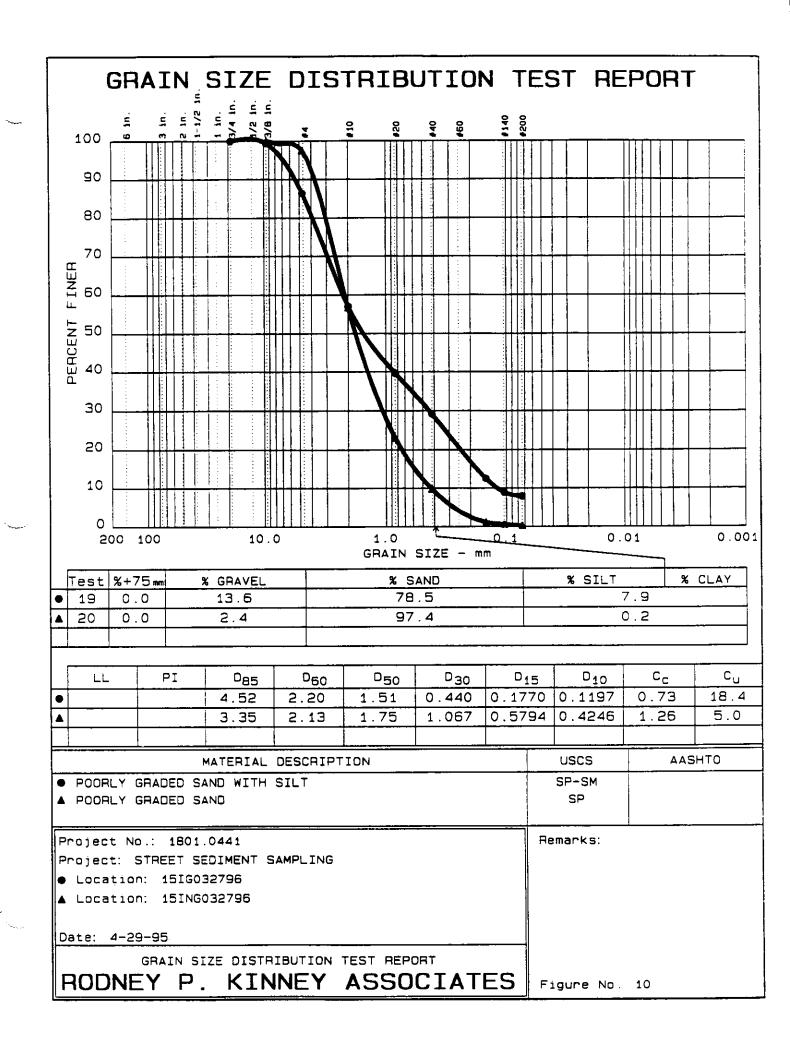
Cc = 0.7328 Cu = 18.4077

```
GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 20
             4-29-95
Project: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: 15ING032796
Sample Description: POORLY GRADED SAND
                          Liquid limit:
             SP
USCS Class:
AASHTO Class:
                          Plasticity index:
                        Notes
Remarks:
Fig. No.:
                Mechanical Analysis Data
             Initial
Dry sample and tare= 583.60
            = 186.60
Tare
Dry sample weight = 397.00
Tare for cumulative weight retained= 186.6
  3ve
          Cumul. Wt. Percent
 retained finer
0.375 inches 186.60 100.0
# 4
                   97.6
 # 4
            196.10
 # 10
            358.90
                    56.6
           492.20
545.00
579.00
 # 20
                    23.0
                    9.7
 # 40
 # 100
                     1.2
 # 140
            581.20
                     0.6
           582.60 0.3
 # 200
                  Fractional Components
_____
% + 75mm. = 0.0 % GRAVEL = 2.4 % SAND = 97.4
```

% FINES = 0.2

D85= 3.41 D60= 2.133 D50= 1.750

D30= 1.0617 D15= 0.58345 D10= 0.42756 Cc = 1.2359 Cu = 4.9888



```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                   Test No.: 1
⊃a⁺ •
                4-29-95
               1801.0441
Pr ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
_______
Location of Sample: 15NIG032796
Sample Description: POORLY GRADED SAND WITH SILT
         SP-SM
                              Liquid limit:
USCS Class:
                              Plasticity index:
AASHTO Class:
                             Notes
Remarks:
Fig. No.: 11
                Mechanical Analysis Data
                Initial
Dry sample and tare= 2677.10
         = 233.10
Tare
Dry sample weight = 2444.00
Tare for cumulative weight retained= 234
 ve Cumul. Wt. Percent retained finer 0.75 inches 234.00 100.0 0.375 inches 250.80 99.3
                        94.5
              367.90
 # 4
 # 10
              860.20
                        74.4
                        54.3
 # 20
             1350.70
                        37.9
 # 40
             1751.30
 # 100
             2261.60
                        17.0
 # 140
             2364.20
                        12.8
            2384.80 12.0
 # 200
                     Fractional Components
```

% + 75mm. = 0.0 % GRAVEL = 5.5 % SAND = 82.5

% FINES = 12.0

D85= 3.02 D60= 1.079 D50= 0.697

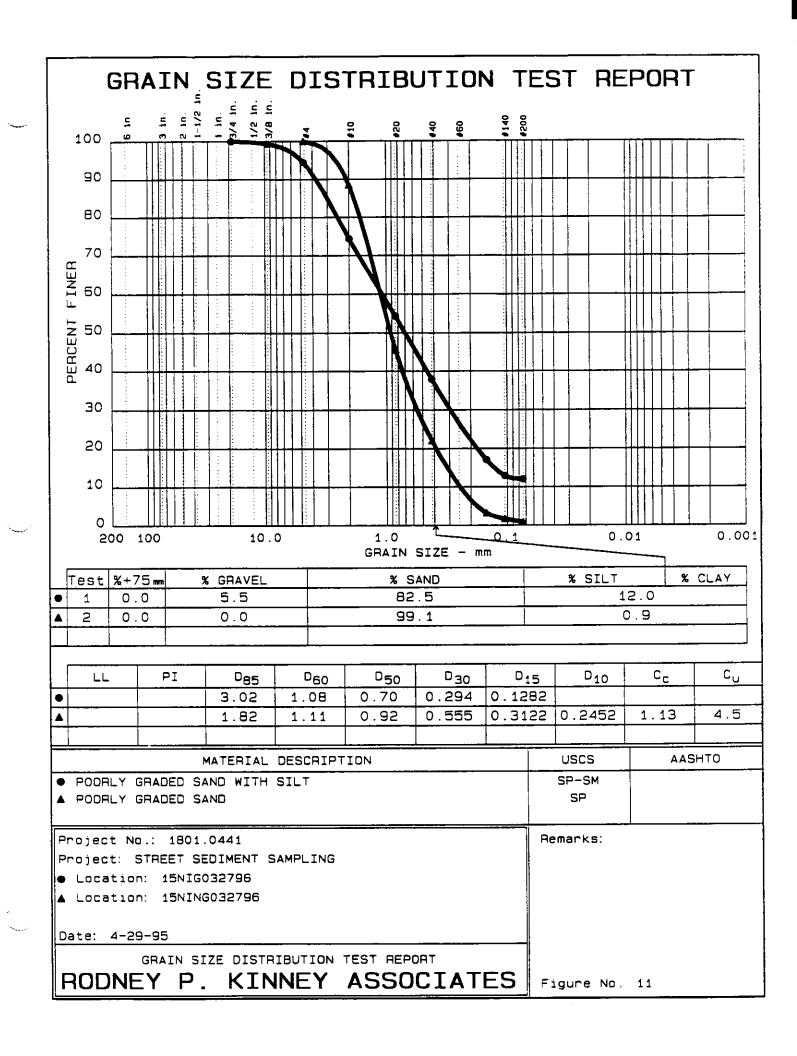
D30= 0.2938 D15= 0.12823

```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                          Test No.: 2
                   4-29-95
De :
                  1801.0441
P: ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: 15NING032796
Sample Description: POORLY GRADED SAND
                                    Liquid limit:
                   SP
USCS Class:
                                   Plasticity index:
AASHTO Class:
                                 Notes
Remarks:
Fig. No.:
                      Mechanical Analysis Data
                   Initial
Dry sample and tare= 339.60
                = 163.80
Tare
Dry sample weight = 175.80
Tare for cumulative weight retained= 163.8
   Tor cumurative weight recarded five Cumul. Wt. Percent retained finer 4 163.80 100.0 10 184.00 88.5 20 259.60 45.5
  # 4
  # 10
  # 20
                            22.0
  # 40
                 300.90
  # 100
                 333.90
                             3.2
                 336.60
                             1.7
  # 140
                338.10
                             0.9
  # 200
                     Fractional Components
% + 75mm. = 0.0 % GRAVEL = 0.0 % SAND = 99.1
% FINES = 0.9
```

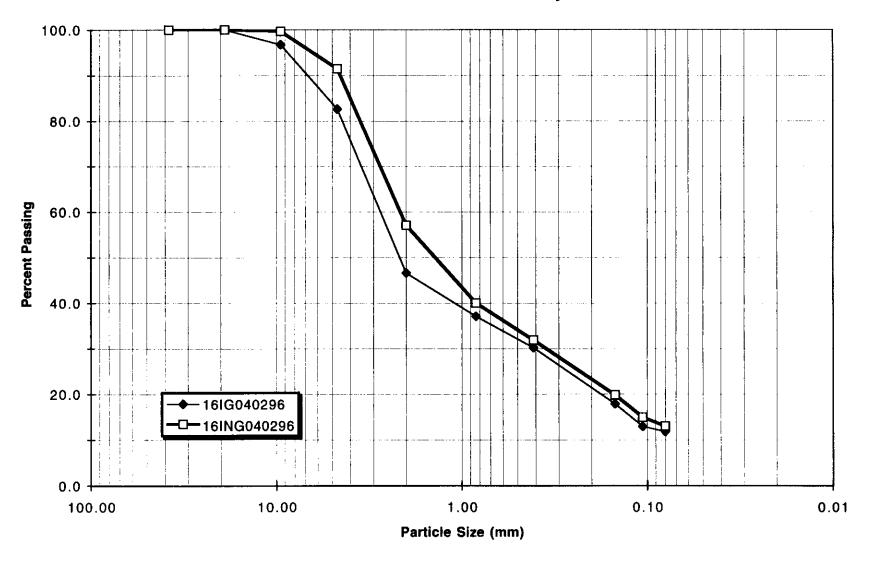
D85= 1.82 D60= 1.113 D50= 0.922

Cc = 1.1298 Cu = 4.5394

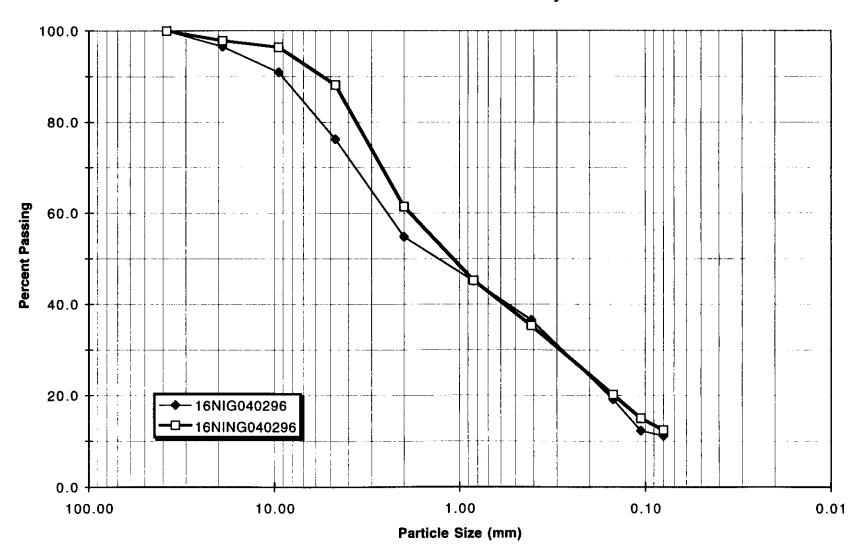
D30= 0.5553 D15= 0.31225 D10= 0.24519



GRAIN SIZE DISTRIBUTION TEST REPORT Street Sediment Loads Project



GRAIN SIZE DISTRIBUTION TEST REPORT Street Sediment Loads Project



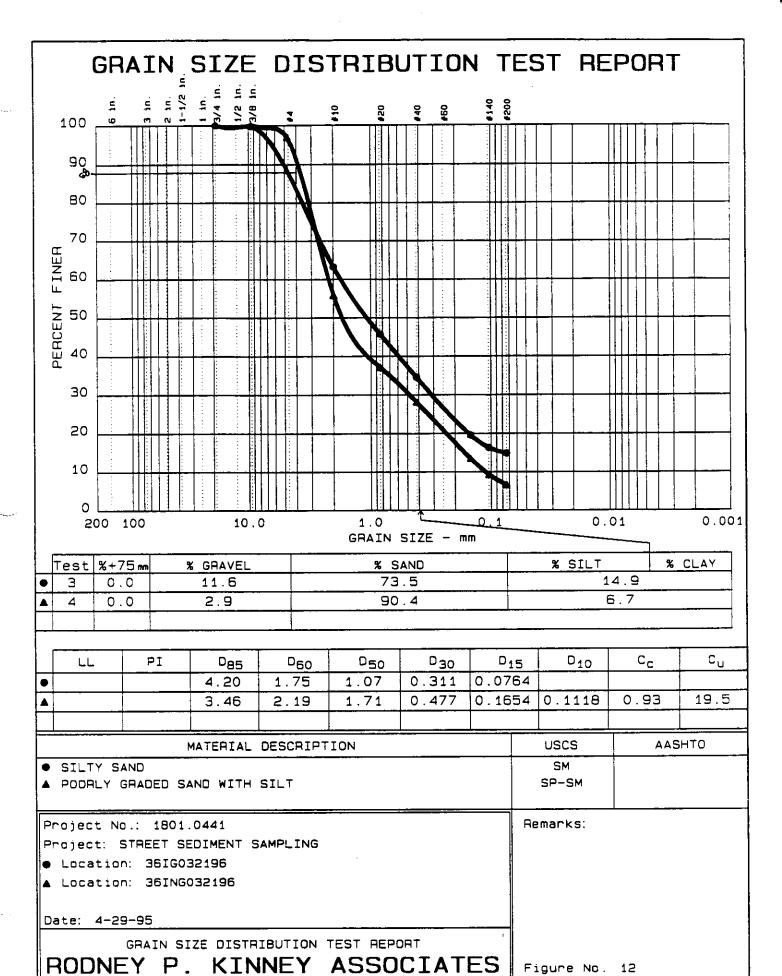
```
Test No.: 3
                  GRAIN SIZE DISTRIBUTION TEST DATA
                4-29-95
               1801.0441
Pi ct No.:
Project: STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: 36IG032196
Sample Description: SILTY SAND
                               Liquid limit:
USCS Class:
                SM
                              Plasticity index:
AASHTO Class:
                             Notes
Remarks:
Fig. No.: 12
               Mechanical Analysis Data
                Initial
Dry sample and tare= 2788.70
              = 164.80
Tare
Dry sample weight = 2623.90
Tare for cumulative weight retained= 228
            Cumul. Wt. Percent
   3VE
                       99.8 No # 4 = 88 & from Grain size Diet.
 retained finer
0.75 inches 228.00 100.0
0.375 inches 234.20 99.8
# 10 1192.20 63.3
 # 20
                         45.7
             1652.40
             1944.40
2338.50
                        34.6
 # 40
 # 100
                        19.6
                         16.3
 # 140
             2423.50
             2461.50 14.9
 # 200
                      Fractional Components
% + 75mm. = 0.0 % GRAVEL = 13.0 % SAND = 72.1
% FINES = 14.9
```

D85= 4.41 D60= 1.736 D50= 1.070

D30= 0.3122 D15= 0.07405

```
GRAIN SIZE DISTRIBUTION TEST DATA
                4-29-95
Da+n:
P1 ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
________
Location of Sample: 36ING032196
Sample Description: POORLY GRADED SAND WITH SILT
USCS Class:
AASHTO Class:
               SP-SM
                              Liquid limit:
                              Plasticity index:
                           Notes
Remarks:
Fig. No.:
______
               Mechanical Analysis Data
                Initial
Dry sample and tare= 1797.90
             = 228.00
Tare
Dry sample weight = 1569.90
Tare for cumulative weight retained= 228
  eve Cumul. Wt. Percent
 retained finer
0.375 inches 228.00 100.0
# 4 274.30 97.1
# 10 921.10 55.0
                       55.9
 # 10
              921.10
 # 20
             1214.50
                       37.2
            1355.60
1586.40
1652.90
                       28.2
 # 40
                       13.5
 # 100
                        9.2
 # 140
           1694.10
 # 200
                        6.6
                     Fractional Components
% + 75mm. = 0.0 % GRAVEL = 2.9 % SAND = 90.4
% FINES = 6.7
D85= 3.53 D60= 2.193 D50= 1.702
D30= 0.4797 D15= 0.16634 D10= 0.11246
```

Cc = 0.9333 Cu = 19.4984



```
GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 5
               4-29-95
Da+n:
Project: 1801.0441
Project: STREET SEDIMENT SAMPLING
_______
                        Sample Data
Location of Sample: 36NIG032196
Sample Description: POORLY GRADED SAND WITH SILT
                             Liquid limit:
USCS Class:
AASHTO Class:
              SP-SM
                             Plasticity index:
                          Notes
Remarks:
              13
Fig. No.:
Mechanical Analysis Data
               Initial
Dry sample and tare= 1627.50
       = 169.60
Tare
Dry sample weight = 1457.90
Tare for cumulative weight retained= 169.6
           Cumul. Wt. Percent
   ∌∧6
 retained finer
0.5 inches 169.60 100.0
0.375 inches 170.70 99.9
# 4 253.20 94.3
                      94.3
49.6
 # 10
             903.90
            1122.70
 # 20
                      26.8
 # 40
            1237.20
                      11.8
 # 100
            1455.40
 # 140
            1512.80
                       7.9
      1548.00 5.5
 # 200
                 Fractional Components
% + 75mm. = 0.0 % GRAVEL = 5.7 % SAND = 88.8
% FINES = 5.5
D85= 3.83 D60= 2.466 D50= 2.016
```

D30= 0.5364 D15= 0.18599 D10= 0.12868

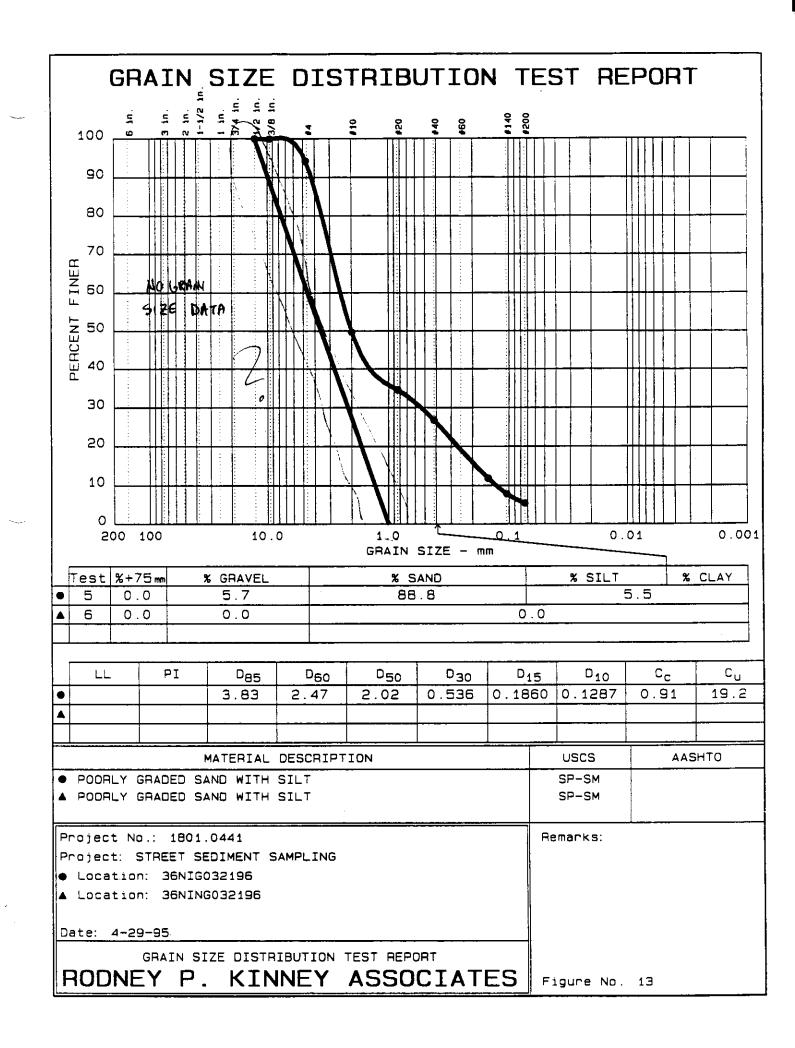
 $C_{C} = 0.9068 \quad Cu = 19.1646$

							====
	GRAIN SIZE D	ISTRIBUTI	ON TEST D	ATA	Test	No.:	6
-	4-29-95 1801.0441 STREET SEDIMENT	r samplin	G	=====			
		ample Dat	a				
Location of Sample: Sample Description: USCS Class: AASHTO Class:	36NING032196 POORLY GRADED SP-SM	Liqu					
		Notes					
Fig. No.:							
	Mechani	cal Analy	sis Data				
Dry sample weight = Tare for cumulative ve Cum	168.10 1459.40	= 169.6	NO GRAIN	51ZE.	DA7A		
		onal Comp	onents				

% SAND = 0.0

% GRAVEL = 0.0

% + 75mm. = 0.0



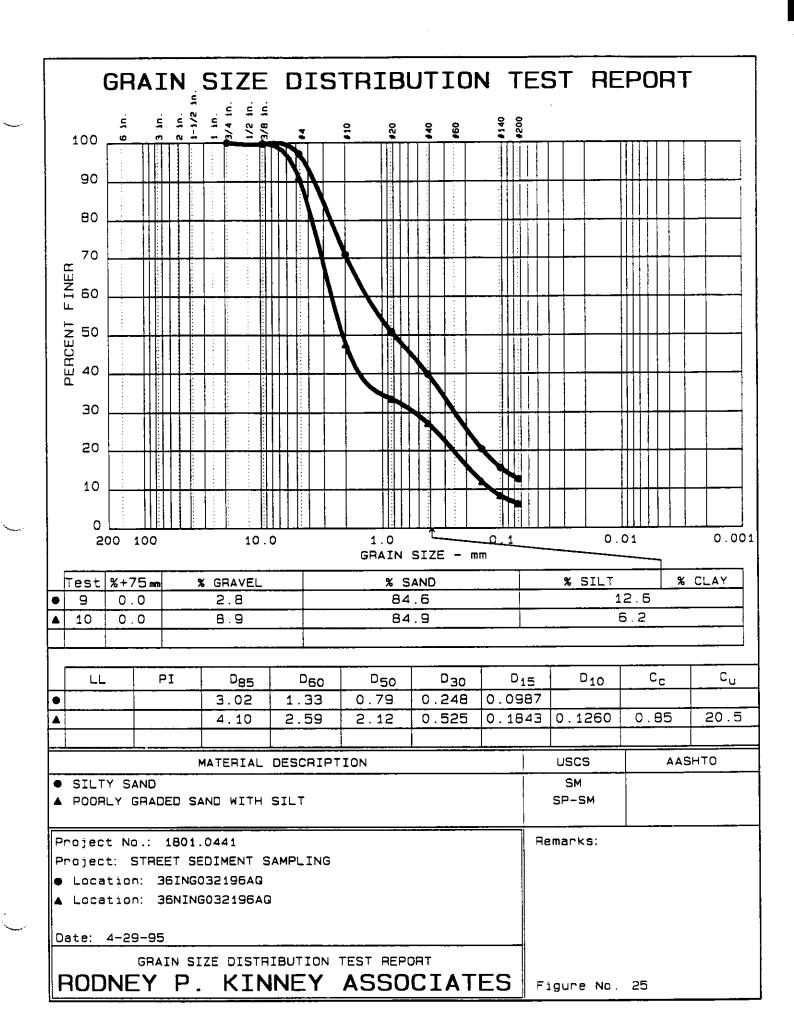
```
GRAIN SIZE DISTRIBUTION TEST DATA
               4-29-95
Da+^:
r ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: 36ING032196AQ Sample Description: SILTY SAND
                             Liquid limit:
               SM
USCS Class:
AASHTO Class:
                             Plasticity index:
                          Notes
Remarks:
             25
Fig. No.:
Mechanical Analysis Data
               Initial
Dry sample and tare= 741.20
Tare = 228.00
Dry sample weight = 513.20
Tare for cumulative weight retained= 227.2
  eve Cumul. Wt. Percent
 retained finer
0.75 inches 227.20 100.0
0.375 inches 228.70 99.7
# 4 241.70 97.2
 # 10
            376.10
                       71.0
 # 20
            479.20
            535.50
                      39.9
 # 40
                      20.4
            635.60
 # 100
 # 140
             660.50
                      15.6
          675.80 12.6
 # 200
                 Fractional Components
             % GRAVEL = 2.8 % SAND = 84.6
% + 75 \text{mm}. = 0.0
% FINES = 12.6
```

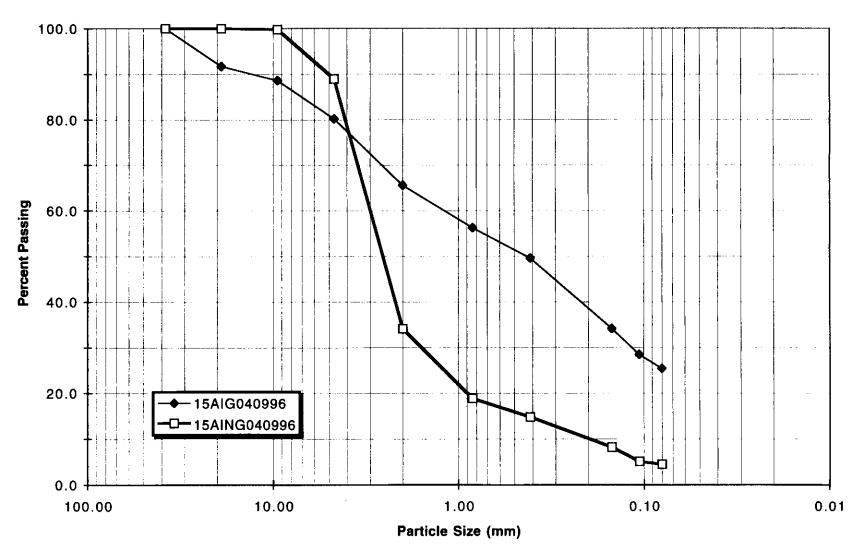
D85= 3.02 D60= 1.332 D50= 0.793

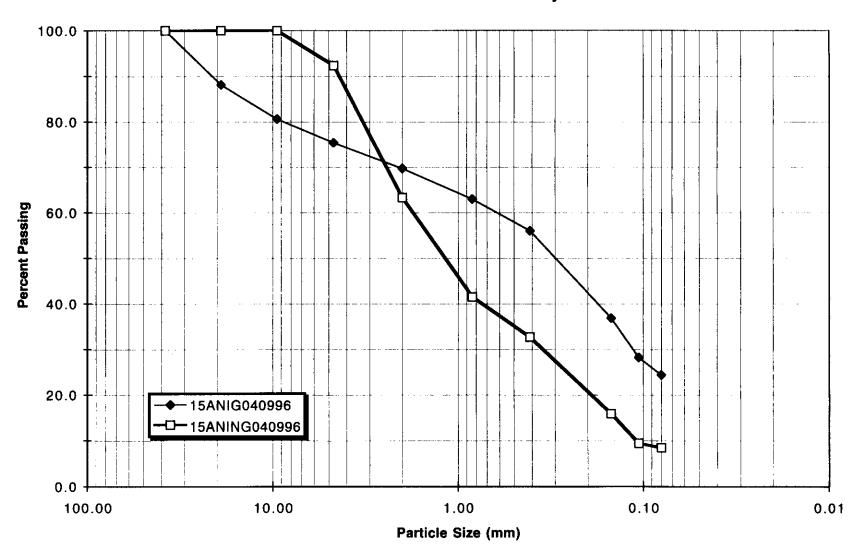
D30= 0.2480 D15= 0.09874

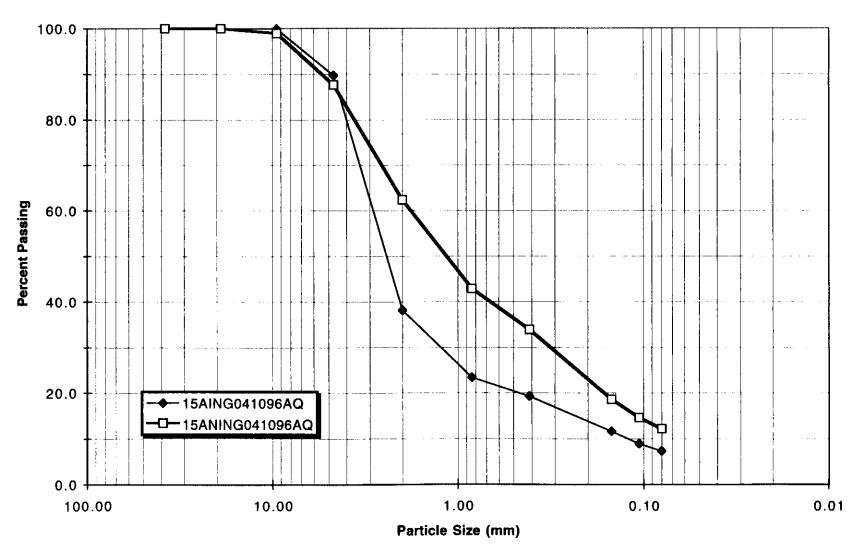
```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                     Test No.: 10
                 4-29-95
Date:
Project: 1801.0441
STREET SEDIMENT SAMPLING
Sample Data
                                 -----------
Location of Sample: 36NING032196AQ
Sample Description: POORLY GRADED SAND WITH SILT USCS Class: SP-SM Liquid lin
                                 Liquid limit:
                                 Plasticity index:
AASHTO Class:
                              Notes
Remarks:
Fig. No.:
____________
                      Mechanical Analysis Data
                Initial
Dry sample and tare= 548.50
Tare = 164.60
Dry sample weight = 383.90
Tare for cumulative weight retained= 228
 o∧€. ∟
             Cumul. Wt. Percent
 retained finer
0.375 inches 228.00 100.0
# 4 262.10 91.1
# 10 429.10 47.6
# 20 483.00 33.6
# 40 507.30 27.2
                         33.6
27.2
 # 40
              507.30
              566.00
580.00
 # 100
                         12.0
                         8.3
 # 140
                          6.2
 # 200
               588.00
                      Fractional Components
% + 75mm. = 0.0 % GRAVEL = 8.9 % SAND = 84.9
% FINES = 6.2
D85= 4.10 D60= 2.585 D50= 2.116
D30= 0.5254 D15= 0.18429 D10= 0.12604
```

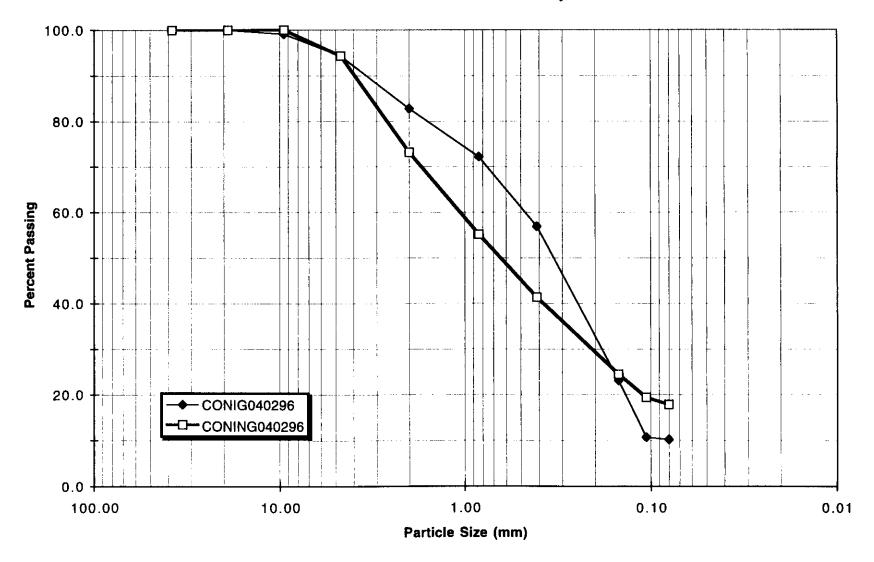
Cc = 0.8472 Cu = 20.5116

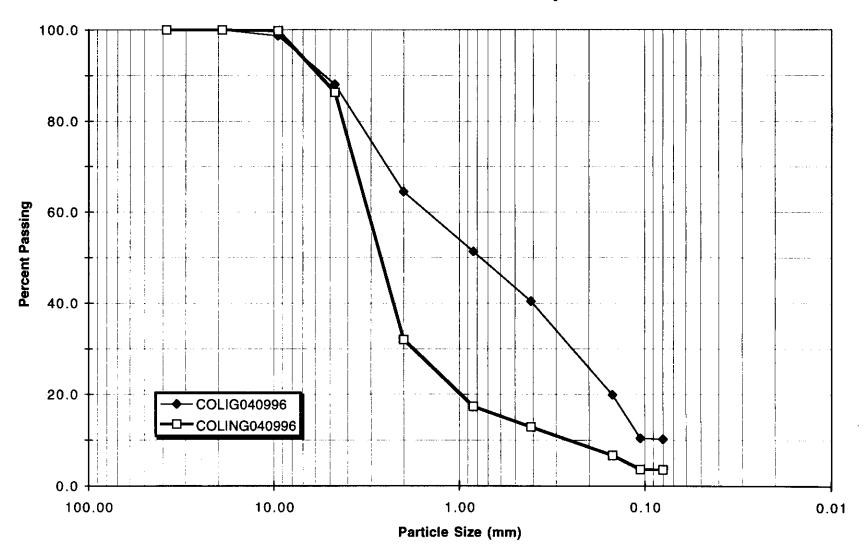


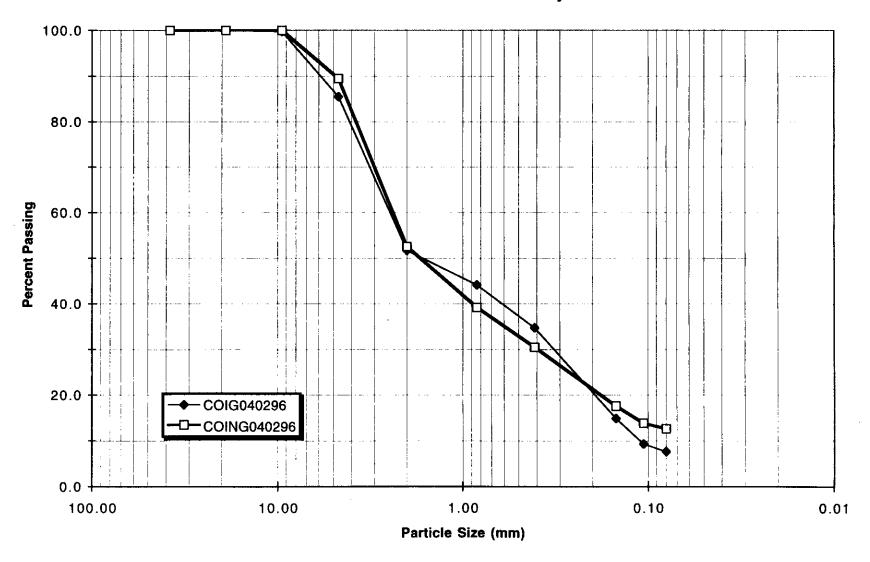


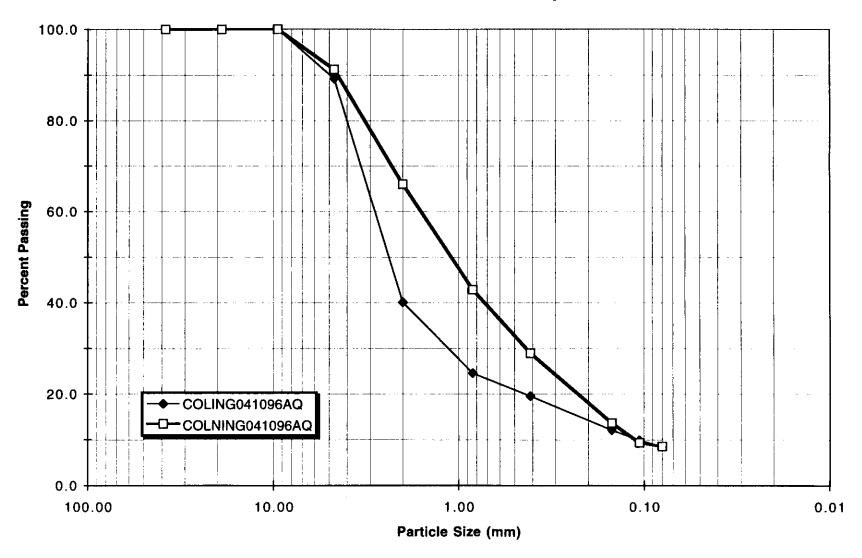


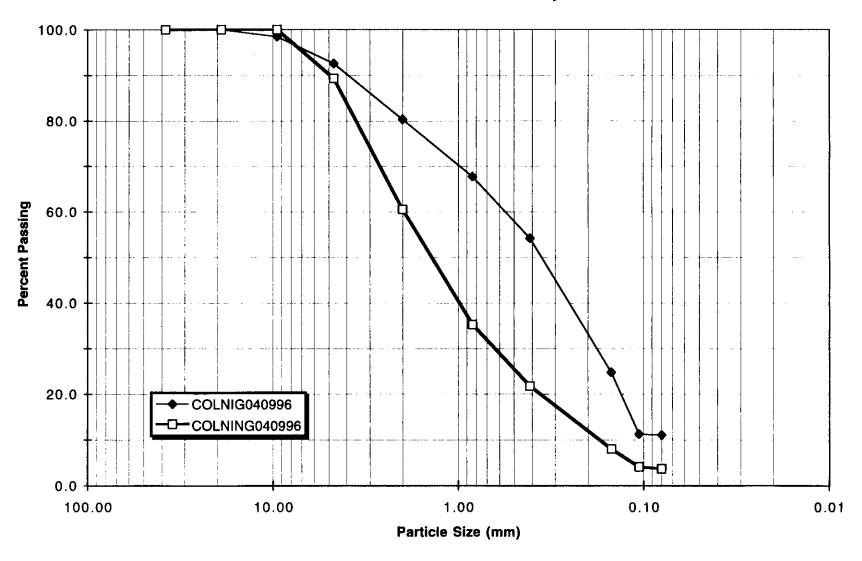












```
________
                GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 7
               4-29-95
'r .ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: DMIG032296
Sample Description: POORLY GRADED SAND WITH SILT
USCS Class:
               SP-SM
                             Liquid limit:
                             Plasticity index:
AASHTO Class:
                           ...............................
                           Notes
Remarks:
Fig. No.: 14
                Mechanical Analysis Data
               Initial
Dry sample and tare= 885.60
            = 169.00
Tare
Dry sample weight = 716.60
Tare for cumulative weight retained= 224.5
   ∌∧6
_
           Cumul. Wt. Percent
 retained finer
0.75 inches 224.50 100.0
0.375 inches 230.70 99.1
 # 4
             267.70
                       94.0
 # 10
             403.60
                       75.0
             522.50
636.50
811.50
                      58.4
 # 20
                      42.5
 # 40
 # 100
                      18.1
 # 140
             850.00
                       12.7
            862.00 11.0
 # 200
                Fractional Components
% + 75mm. = 0.0 % GRAVEL = 6.0 % SAND = 82.9
% FINES = 11.1
```

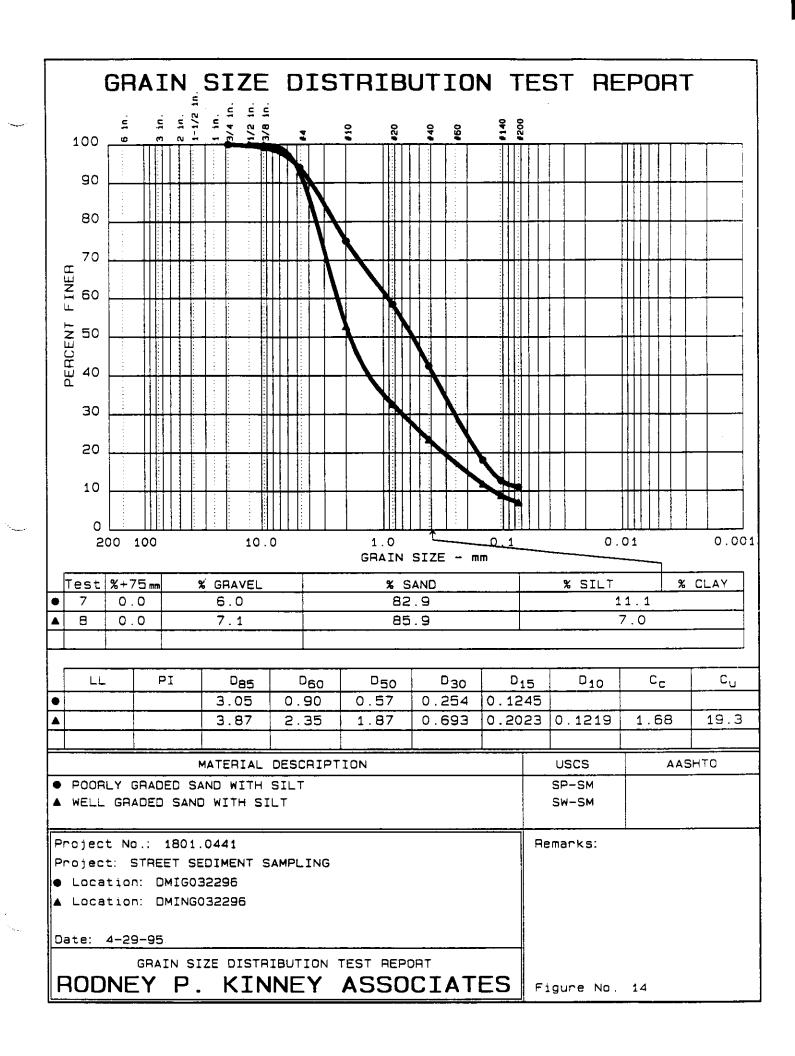
D85= 3.05 D60= 0.902 D50= 0.569

D30= 0.2541 D15= 0.12445

```
GRAIN SIZE DISTRIBUTION TEST DATA
                                              Test No.: 8
               4-29-95
Da+ ":
              1801.0441
'r ct No.:
Project: STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: DMING032296
Sample Description: WELL GRADED SAND WITH SILT
USCS Class:
                           Liquid limit:
              SW-SM
                            Plasticity index:
AASHTO Class:
                          Notes
Remarks:
Fig. No.:
               Mechanical Analysis Data
              Initial
Dry sample and tare= 1788.70
            = 352.40
Tare
Dry sample weight = 1436.30
Tare for cumulative weight retained= 352.4
           Cumul. Wt. Percent
 retained finer
0.5 inches 352.40 100.0
0.375 inches 354.10 99.9
                      92.9
             455.00
 # 10
            1032.10
                      52.7
            1320.30
 # 20
                      32.6
                      23.4
            1451.90
 # 40
 # 100
            1618.90
                      11.8
 # 140
            1662.60
                       8.8
           1688.90 6.9
 # 200
                  Fractional Components
_______
% + 75mm. = 0.0 % GRAVEL = 7.1 % SAND = 85.9
% FINES = 7.0
```

D85= 3.87 D60= 2.350 D50= 1.866

D30= 0.6934 D15= 0.20230 D10= 0.12190 Cc = 1.6788 Cu = 19.2752



```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                  Test No.: 9
                4-29-95
Da⁺ ¬:
Project: 1801.0441
STREET SEDIMENT SAMPLING
Sample Data
                          ______
Location of Sample: EIG032796
Sample Description: POORLY GRADED SAND
               SP
                               Liquid limit:
USCS Class:
                               Plasticity index:
AASHTO Class:
                            Notes
Remarks:
                15
Fig. No.:
                    Mechanical Analysis Data
                Initial
Dry sample and tare= 1962.50
          = 226.40
Tare
Dry sample weight = 1736.10
Tare for cumulative weight retained= 226.4
 Cumul. Wt. Percent retained finer 0.75 inches 226.40 100.0 0.375 inches 231.40 99.7 # 4 425.80 88.5 # 10 928.70 59.5
                       45.6
 # 20
             1170.00
             1441.00
1722.30
                       30.0
 # 40
 # 100
                        13.8
 # 140
             1884.60
                        4.5
           1899.10 3.7
 # 200
                    Fractional Components
```

% + 75mm. = 0.0 % GRAVEL = 11.5 % SAND = 84.9

% FINES = 3.6

D85= 4.24 D60= 2.030 D50= 1.116

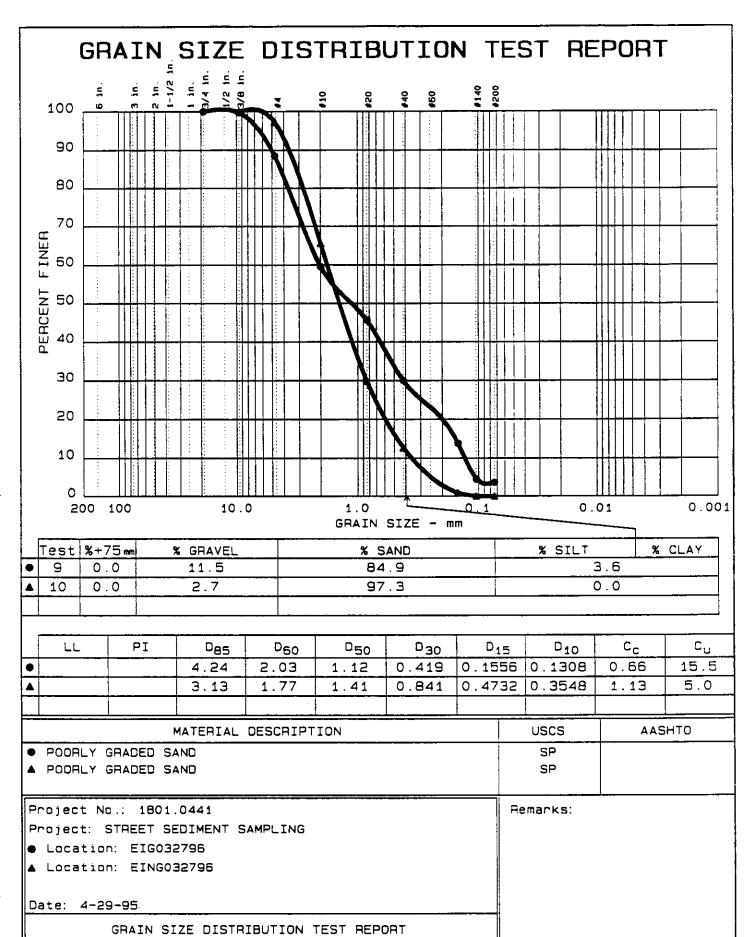
D30= 0.4188 D15= 0.15560 D10= 0.13077

Cc = 0.6607 Cu = 15.5239

GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 10 4-29-95 1 ect No.: 1801.0441 Project: STREET SEDIMENT SAMPLING Sample Data Location of Sample: EING032796 Sample Description: POORLY GRADED SAND USCS Class: SP AASHTO Class: Liquid limit: Plasticity index: Notes Remarks: Fig. No.: Mechanical Analysis Data Initial Dry sample and tare= 250.80 Tare = 164.30 Dry sample weight = 86.50 Tare for cumulative weight retained= 230 Cumul. Wt. Percent retained finer
0.375 inches 230.00 100.0
4 232.30 97.3
10 259.80 65.5 290.70 305.50 315.70 316.50 316.50 # 20 29.8 # 40 12.7 # 100 0.9 # 140 0.0 0.0 # 200 Fractional Components % + 75mm. = 0.0 % GRAVEL = 2.7 % SAND = 97.3 D85= 3.13 D60= 1.768 D50= 1.413

D30= 0.8414 D15= 0.47315 D10= 0.35481

Cc = 1.1285 Cu = 4.9831



RODNEY P. KINNEY ASSOCIATES | Figure No. 15

GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 11 4-29-95 Project: 1801.0441 STREET SEDIMENT SAMPLING Sample Data Location of Sample: ENIG032796 Sample Description: POORLY GRADED SAND WITH SILT USCS Class: SP-SM Liquid limit: Plasticity index: AASHTO Class: Notes Remarks: 16 Fig. No.: Mechanical Analysis Data Initial Dry sample and tare= 1189.60 = 223.30 Tare Dry sample weight = 966.30 Tare for cumulative weight retained= 223.3 eve Cumul. Wt. Percent retained finer 0.75 inches 223.30 100.0 0.375 inches 235.40 98.7 # 4 350.60 86.8 # 10 580.00 63.1 # 20 759.80 44.5

Fractional Components

29.0

11.1

7.8

% + 75mm. = 0.0 % GRAVEL = 13.2 % SAND = 79.9

1122.90 6.9

% FINES = 6.9

40

200

100 # 140

D85= 4.42 D60= 1.758 D50= 1.096

D30= 0.4365 D15= 0.19498 D10= 0.13490

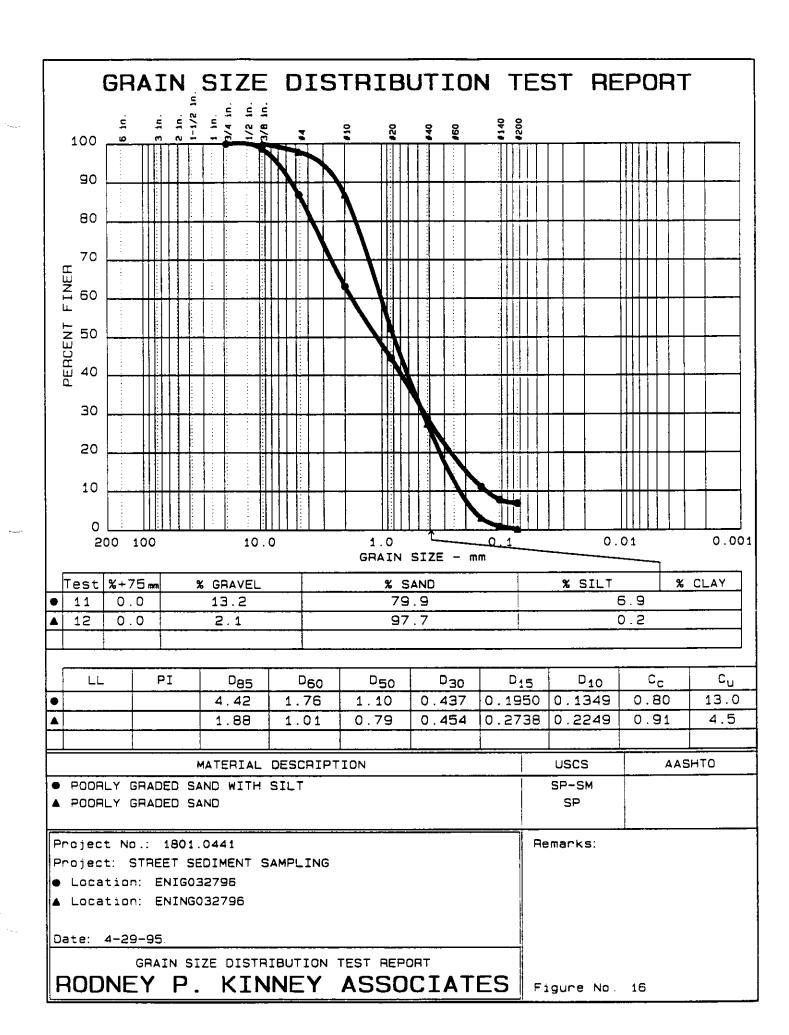
909.70

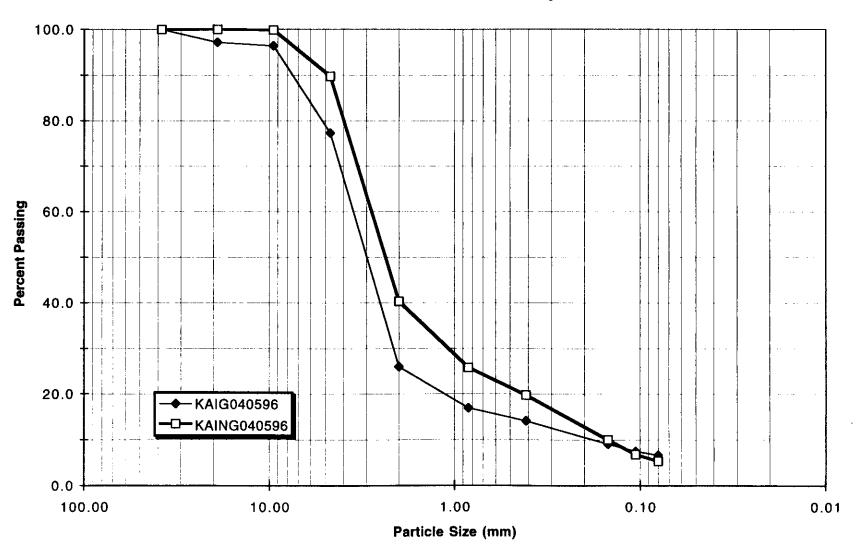
1114.20

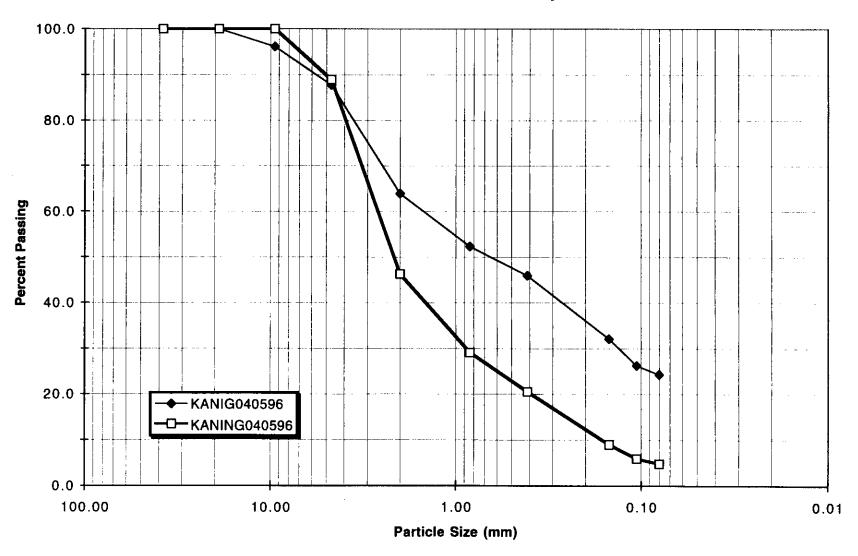
1081.90

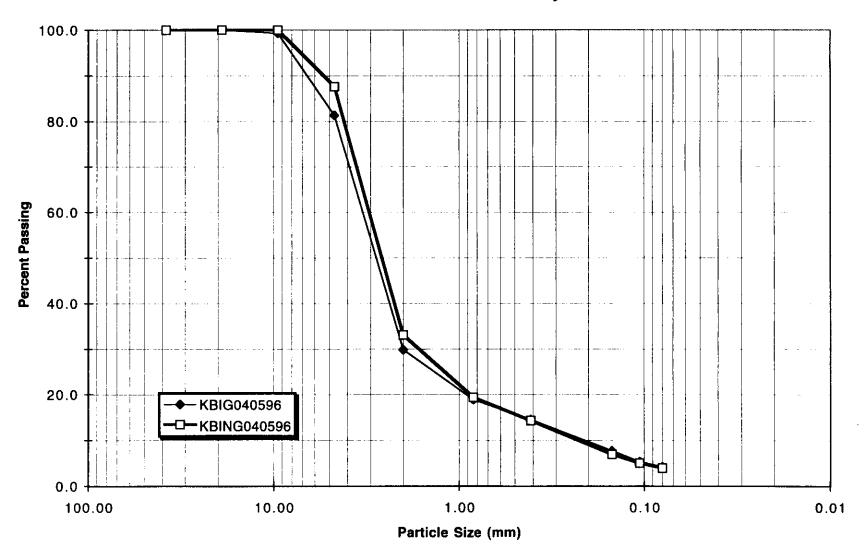
Cc = 0.8035 Cu = 13.0317

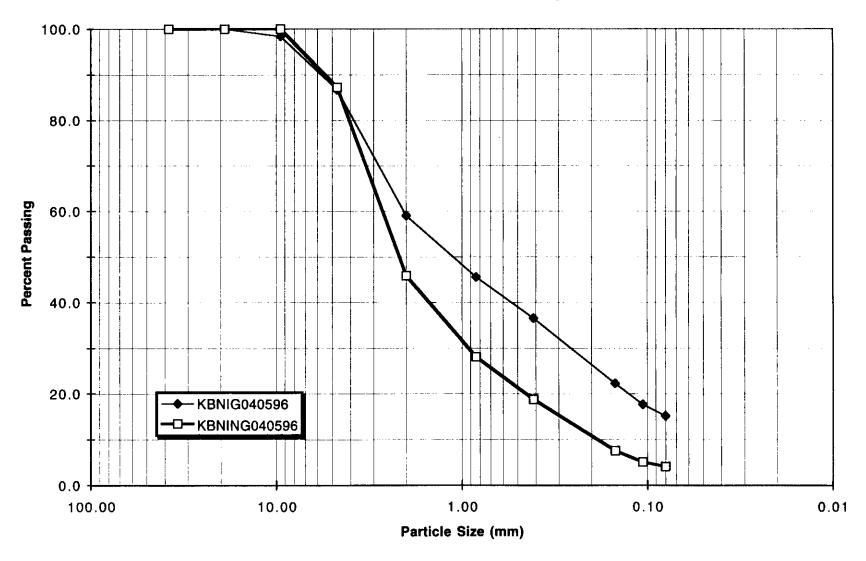
```
GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 12
               4-29-95
)a'
r ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: ENING032796
Sample Description: POORLY GRADED SAND
                              Liquid limit:
               SP
JSCS Class:
                             Plasticity index:
AASHTO Class:
                           Notes
Remarks:
Fig. No.:
                    Mechanical Analysis Data
               Initial
Dry sample and tare= 314.40
            = 237.50
Tare
Dry sample weight = 76.90
Tare for cumulative weight retained= 237.5
      Cumul. Wt. Percent
  ve
 retained finer
0.375 inches 237.50 100.0
                      97.9
86.7
52.3
             239.10
 # 4
 # 10
             247.70
           274.20
293.30
312.00
313.60
 # 20
 # 40
                       27.4
                        3.1
 # 100
 # 140
                        1.0
             314.20 0.3
 # 200
                    Fractional Components
 ______
% + 75mm. = 0.0 % GRAVEL = 2.1 % SAND = 97.7
% FINES = 0.2
D85= 1.88 D60= 1.007 D50= 0.791
D30= 0.4545 D15= 0.27384 D10= 0.22491
Cc = 0.9120 Cu = 4.4771
```











```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                   Test No.: 7
                4-29-95
Da+⊃:
P: ect No.: 1801.0440
Project: OGS ASSESSMENT
                1801.0440
Sample Data
______
Location of Sample: 9500311201 WL IGO 32296
Sample Description: POORLY GRADED SAND
                SP
                               Liquid limit:
USCS Class:
                               Plasticity index:
AASHTO Class:
                             Notes
Remarks:
Fig. No.:
Mechanical Analysis Data
                Initial
Dry sample and tare= 1891.20
            = 161.90
Tare
Dry sample weight = 1729.30
Tare for cumulative weight retained= 161.9
  eve
            Cumul. Wt. Percent
 retained finer
0.5 inches 161.90 100.0
0.375 inches 211.10 97.2
# 4 340.40 89.7
# 10 697.30 69.0
                        69.0
 # 10
              697.30
 # 20
             1089.90
                        46.3
             1422.20
                        27.1
 # 40
                         7.4
 # 100
             1763.70
 # 140
                         4.0
             1821.30
             1838.40 3.1
 # 200
                  Fractional Components
% + 75mm. = 0.0 % GRAVEL = 10.3 % SAND = 86.6
% FINES = 3.1
```

D85= 3.72 D60= 1.411 D50= 0.961

D30= 0.4683 D15= 0.24294 D10= 0.18009

Cc = 0.8630 Cu = 7.8343

```
GRAIN SIZE DISTRIBUTION TEST DATA
               4-29-95
Da+ ~:
              1801.0440
Pi :ct No.:
Project: OGS ASSESSMENT
Sample Data
Location of Sample: 9500311202 NLH, NIG 032296
Sample Description: SILTY SAND
                             Liquid limit:
USCS Class:
               SM
                             Plasticity index:
AASHTO Class:
                           Notes
Remarks:
Fig. No.:
                    Mechanical Analysis Data
               Initial
Dry sample and tare= 1676.00
            = 231.90
Tare
Dry sample weight = 1444.10
Tare for cumulative weight retained= 228
            Cumul. Wt. Percent
   3A6
 retained finer
0.75 inches 228.00 100.0
0.375 inches 229.80 99.9
 # 4
             276.50
                       96.6
 # 10
             430.00
                       86.0
 # 20
             687.30
953.10
                       68.2
                       49.8
 # 40
            1326.20
 # 100
                       24.0
```

Fractional Components

18.1

% + 75mm. = 0.0 % GRAVEL = 3.4 % SAND = 81.6

1455.30 15.0

140

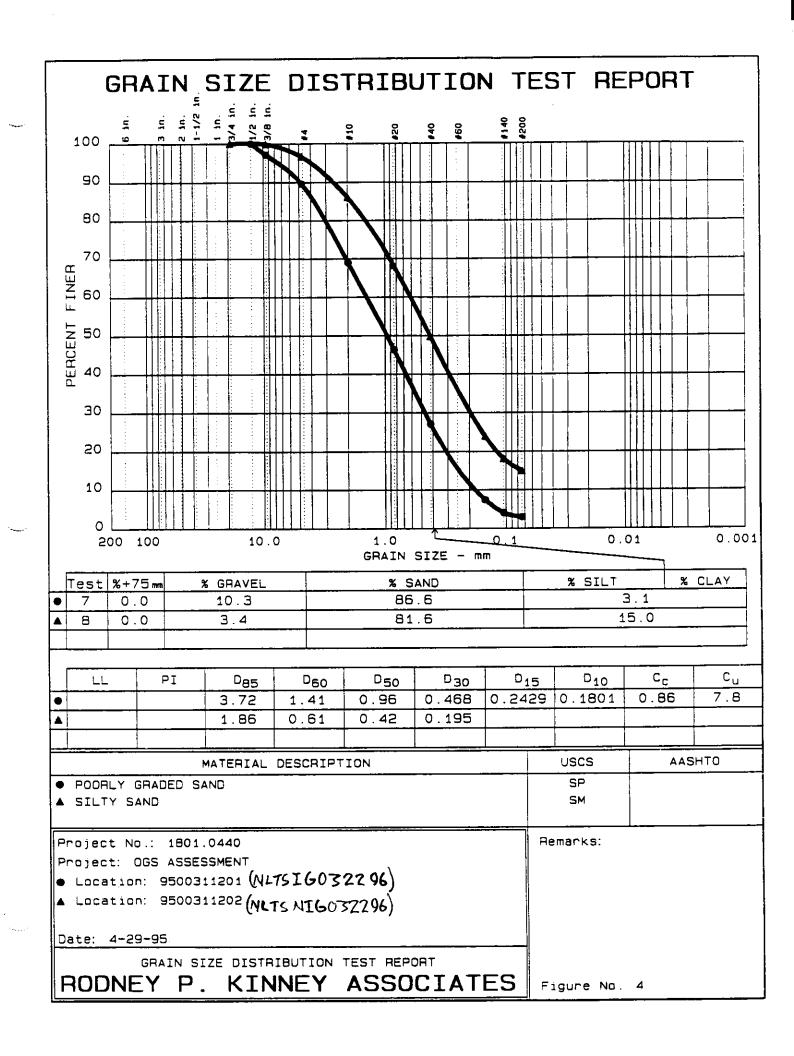
200

D85= 1.86 D60= 0.610 D50= 0.422

1410.50

D30 = 0.1950

[%] FINES = 15.0



```
GRAIN SIZE DISTRIBUTION TEST DATA
               4-29-95
Da' :
               1801.0440
P: act No.:
Project: OGS ASSESSMENT
__________
                         Sample Data
Location of Sample: 9500311203 NC+5 ING 03 2296
Sample Description: POORLY GRADED SAND WITH SILT
               SP-SM
                             Liquid limit:
USCS Class:
AASHTO Class:
                             Plasticity index:
                           Notes
Remarks:
Fig. No.: 5
                  Mechanical Analysis Data
               Initial
Dry sample and tare= 1166.00
            = 164.70
Tare
Dry sample weight = 1001.30
Tare for cumulative weight retained= 164.7
            Cumul. Wt. Percent
  3V6
 retained finer
0.5 inches 164.70 100.0
0.375 inches 166.10 99.9
# 4
 # 4
             177.10
                       98.8
 # 10
             280.70
                       88.4
 # 20
             576.40
796.40
                       58.9
 # 40
                      36.9
            1074.40
 # 100
                       9.1
 # 140
                        8.1
            1084.40
           1110.90
                   5.5
 # 200
                Fractional Components
% + 75mm. = 0.0 % GRAVEL = 1.2 % SAND = 93.3
% FINES = 5.5
```

D85= 1.76 D60= 0.867 D50= 0.635

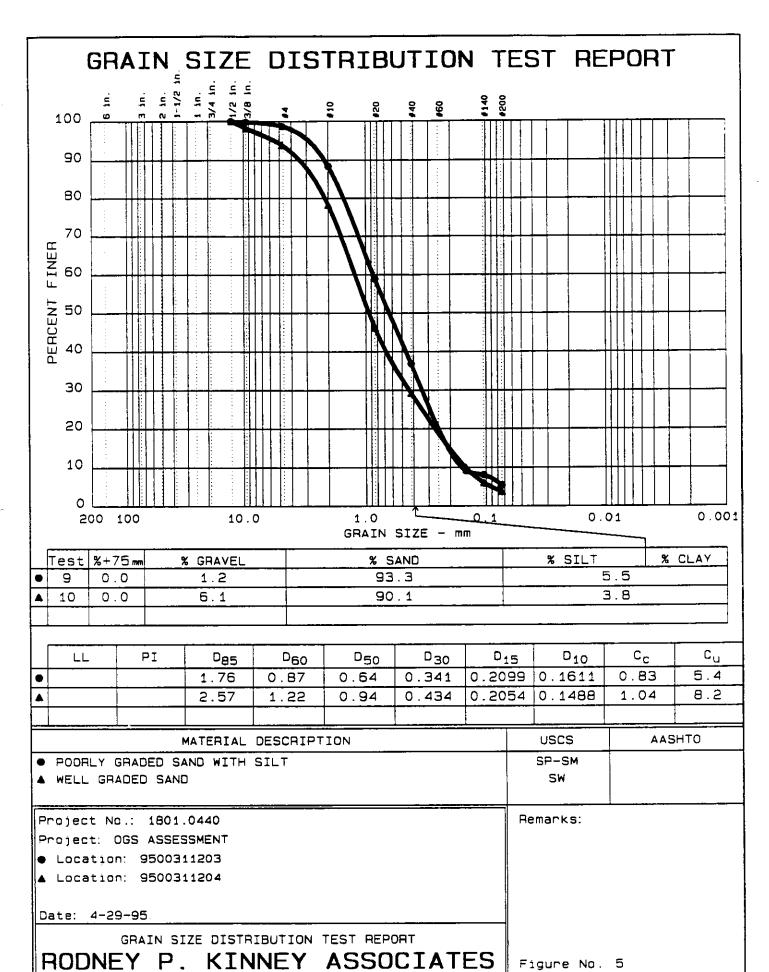
D30= 0.3412 D15= 0.20989 D10= 0.16106 Cc = 0.8337 Cu = 5.3827

```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                 Test No.: 10
                4-29-95
Da':
               1801.0440
Pi act No.:
Project: OGS ASSESSMENT
Sample Data
Location of Sample: 9500311204 NC+5 NING 03 22 76
Sample Description: WELL GRADED SAND
                              Liquid limit:
                SW
USCS Class:
                              Plasticity index:
AASHTO Class:
                            Notes
Remarks:
Fig. No.:
                    Mechanical Analysis Data
                Initial
Dry sample and tare= 363.60
             = 233.10
Tare
Dry sample weight = 130.50
Tare for cumulative weight retained= 233.1
  eve Cumul. Wt. Percent
 retained finer
0.5 inches 233.10 100.0
0.375 inches 235.40 98.2
                        93.9
 # 4
              241.00
 # 10
              261.60
 # 20
              303.40
                        46.1
              325.40
350.70
                       29.3
 # 40
 # 100
                        9.9
              355.70
 # 140
                        6.1
              358.60 3.8
 # 200
                    Fractional Components
% + 75mm. = 0.0 % GRAVEL = 6.1 % SAND = 90.1
% FINES = 3.8
```

D85= 2.57 D60= 1.223 D50= 0.939

Cc = 1.0351 Cu = 8.2224

D30= 0.4340 D15= 0.20535 D10= 0.14876



```
GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 11
                 4-29-95
Date:
Project: 1801.0441

Project: STREET SEDIMENT SAMPLING
                 1801.0441
Sample Data
Location of Sample: NLING032296AQ
Sample Description: WELL GRADED SAND WITH SILT
                SW-SM
                                Liquid limit:
USCS Class:
AASHTO Class:
                                Plasticity index:
                              Notes
Remarks:
                26
Fig. No.:
Mechanical Analysis Data
                 Initial
Dry sample and tare= 444.30
Tare = 176.30
Dry sample weight = 268.00
Tare for cumulative weight retained= 228
 Tieve Cumul. Wt. Percent
 retained finer

0.375 inches 228.00 100.0

# 4 230.20 99.2

# 10 252.40 90.9

# 20 336.10 59.7

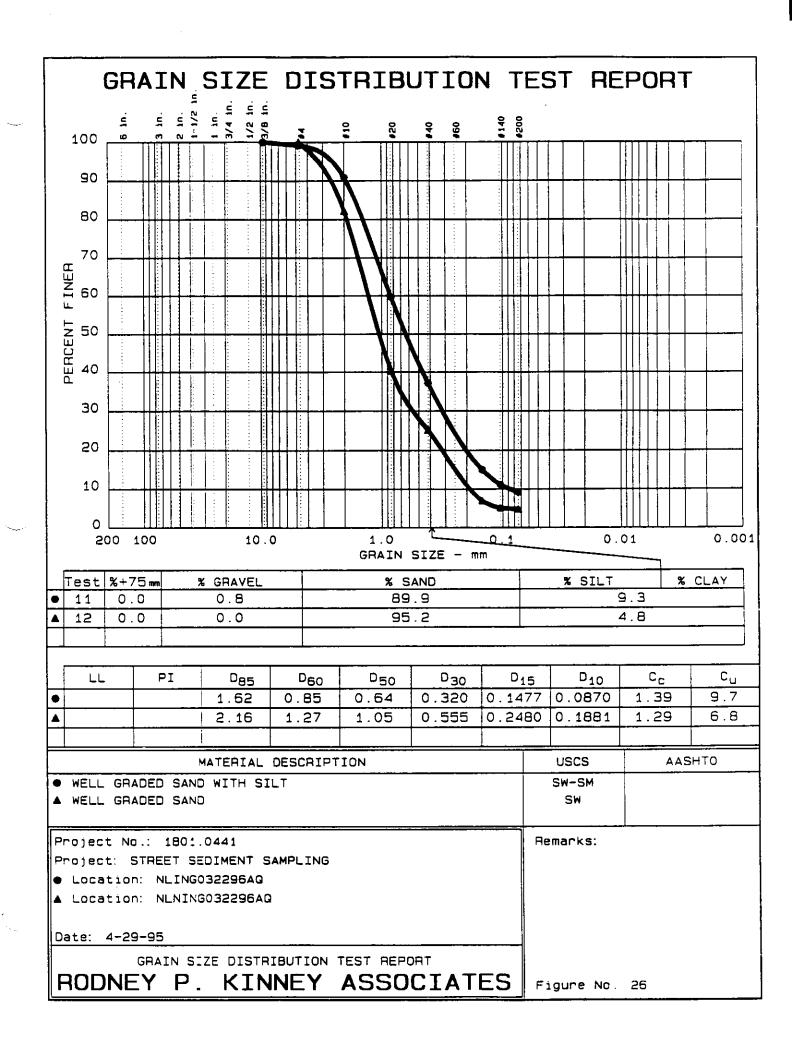
# 40 396.30 37.2

# 100 455.90 15.0
               455.90
                         15.0
 # 100
              466.10 11.2
471.20 9.3
 # 140
 # 200
                      Fractional Components
% + 75mm. = 0.0 % GRAVEL = 0.8 % SAND = 89.9
% FINES = 9.3
D85= 1.62 D60= 0.847 D50= 0.640
D30= 0.3195 D15= 0.14774 D10= 0.08700
```

Cc = 1.3852 Cu = 9.7387

```
GRAIN SIZE DISTRIBUTION TEST DATA
               4-29-95
Dath:
Project: 1801.0441
STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: NLNING032296AQ
Sample Description: WELL GRADED SAND
                             Liquid limit:
USCS Class:
               SW
                             Plasticity index:
AASHTO Class:
                          Notes
Remarks:
Fig. No.:
Mechanical Analysis Data
               Initial
Dry sample and tare= 263.50
Tare = 230.50
Dry sample weight = 33.00
Tare for cumulative weight retained= 230.8
            Cumul. Wt. Percent
            retained finer
230.80 100.0
236.70 82.1
 # 4
                     82.1
40.3
 # 10
 # 20
             250.50
             255.50
                      25.2
 # 40
 # 100
             261.50
                       7.0
 # 140
             262.10
                       5.2
             262.20
 # 200
                       4.8
                Fractional Components
% + 75mm. = 0.0 % GRAVEL = 0.0 % SAND = 95.2
% FINES = 4.8
D85= 2.16 D60= 1.272 D50= 1.046
D30= 0.5553 D15= 0.24803 D10= 0.18815
```

Cc = 1.2882 Cu = 6.7608



GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 17 4-29-95 Da+ • r ct No.: 1801.0441 Project: STREET SEDIMENT SAMPLING Sample Data Location of Sample: N.IG032696 Sample Description: WELL GRADED SAND WITH SILT USCS Class: Liquid limit: SW-SM Plasticity index: AASHTO Class: Notes Remarks: 19 Fig. No.: Mechanical Analysis Data Initial Dry sample and tare= 700.00 = 164.10 Tare Dry sample weight = 535.90 Tare for cumulative weight retained= 227 ve Cumul. Wt. Percent retained finer 0.75 inches 227.00 100.0 0.375 inches 241.60 97.3 333.10 80.2 # 4 545.80 616.70 653.50 711.50 # 10 40.5 # 20 27.3 # 40 20.4 # 100 9.6 # 140 725.50 731.50 5.9 # 200 Fractional Components

% + 75mm. = 0.0 % GRAVEL = 19.8 % SAND = 74.3

D85= 5.41 D60= 3.108 D50= 2.526

Cc = 2.8184 Cu = 19.9526

D30= 1.1682 D15= 0.25556 D10= 0.15578

% FINES = 5.9

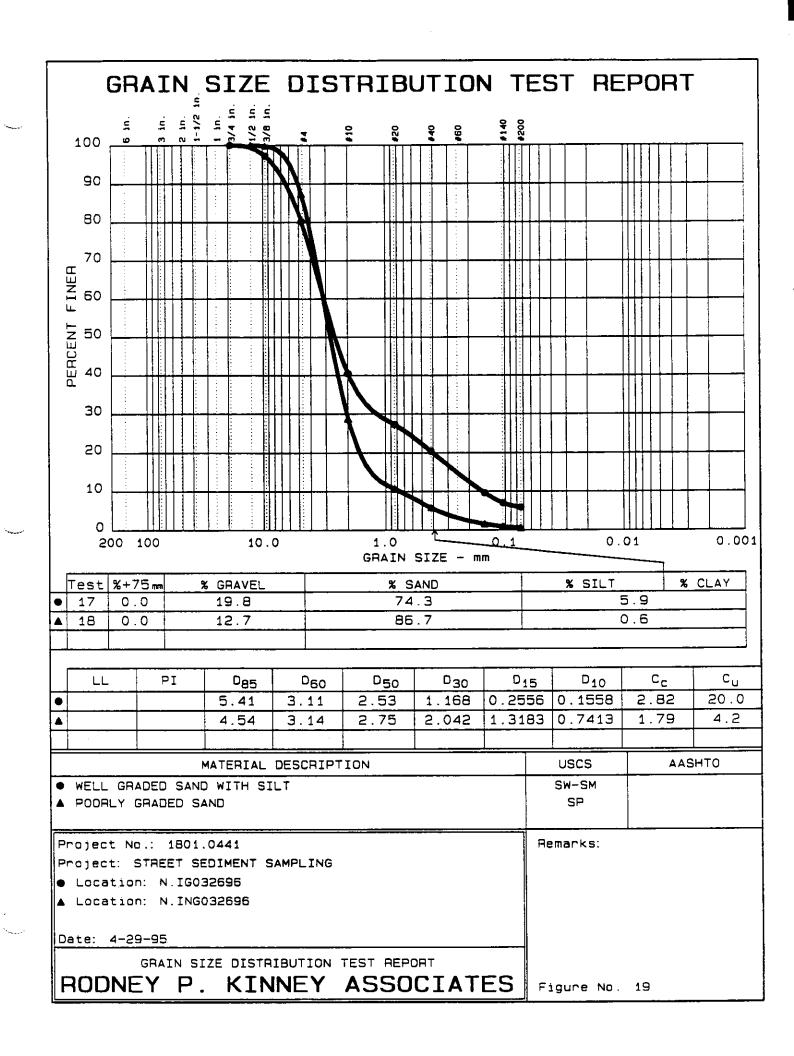
```
Test No.: 18
                GRAIN SIZE DISTRIBUTION TEST DATA
Dat •
               4-29-95
               1801.0441
r ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
                          _____
Location of Sample: N.ING032696
Sample Description: POORLY GRADED SAND
                              Liquid limit:
               SP
JSCS Class:
                              Plasticity index:
AASHTO Class:
                           Notes
Remarks:
Fig. No.:
               Mechanical Analysis Data
               Initial
Dry sample and tare= 1594.80
       = 167.90
Tare
Dry sample weight = 1426.90
Tare for cumulative weight retained= 167.9
 ve Cumul. Wt. Percent retained finer 0.5 inches 167.90 100.0 0.375 inches 170.60 99.8 # 4 348.80 87.3
 # 10
            1183.60
 # 20
             1443.00
                       10.6
 # 40
             1512.90
                        5.7
 # 100
             1571.70
                        1.6
 # 140
             1581.10
                        1.0
             1586.20 0.6
 # 200
                    Fractional Components
```

% + 75mm. = 0.0 % GRAVEL = 12.7 % SAND = 86.7

D85= 4.54 D60= 3.141 D50= 2.754

D30= 2.0417 D15= 1.31826 D10= 0.74131 Cc = 1.7906 Cu = 4.2364

% FINES = 0.6



```
GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 19
               4-29-95
Datht
r ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
              1801.0441
Sample Data
Location of Sample: N.NIG032696
Sample Description: POORLY GRADED SAND WITH SILT
                            Liquid limit:
JSCS Class:
AASHTO Class:
              SP-SM
                            Plasticity index:
                          Notes
Remarks:
Fig. No.:
              20
_______
                   Mechanical Analysis Data
               Initial
Dry sample and tare= 664.50
Tare
        = 163.70
Dry sample weight = 500.80
Tare for cumulative weight retained= 164.8
 Cumul. Wt. Percent
 retained finer
0.75 inches 164.80 100.0
0.375 inches 201.10 92.8
# 4 262.90 80.4
# 10 346.70 63.7
 # 20
            410.00
            459.80
 # 40
                      41.1
            581.30
                      16.8
 # 100
 # 140
             615.20
                      10.1
        617.70 9.6
 # 200
                  Fractional Components
% + 75 \text{mm.} = 0.0
             % GRAVEL = 19.6 % SAND = 70.8
% FINES = 9.6
```

D85= 5.96 D60= 1.585 D50= 0.767

 $Cc = 0.3846 \quad Cu = 15.3109$

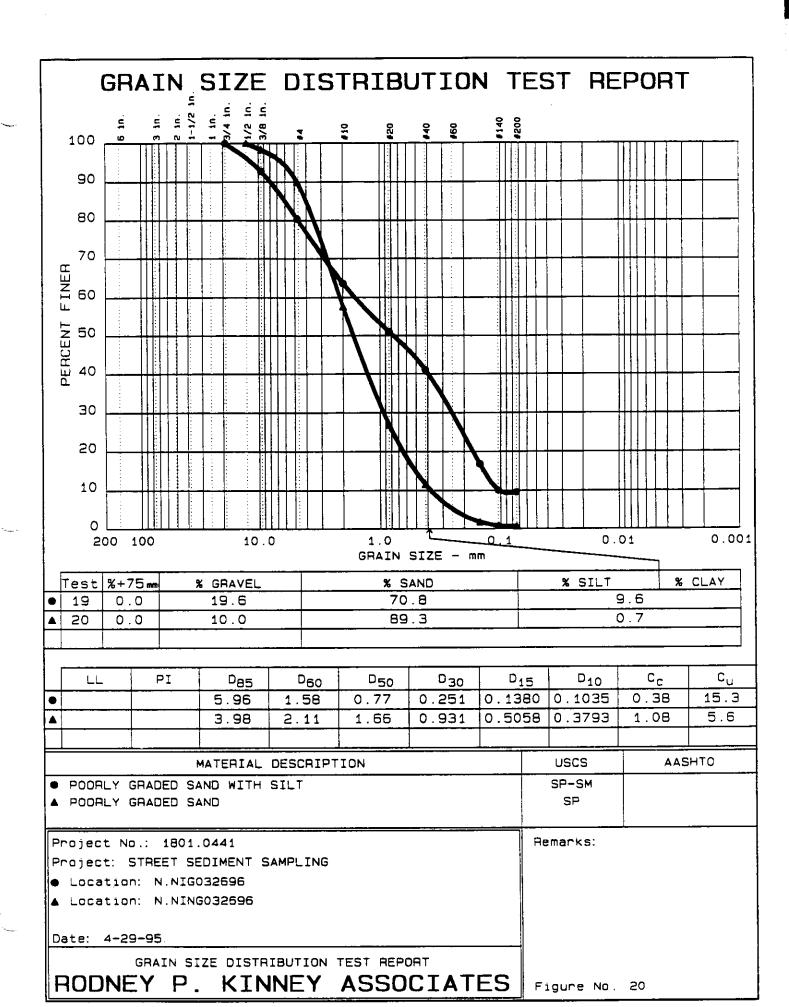
D30= 0.2512 D15= 0.13804 D10= 0.10351

```
GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 20
                4-29-95
Da+ ~:
               1801.0441
rect: 1801.0441
STREET SEDIMENT SAMPLING
Sample Data
_______
Location of Sample: N.NING032696
Sample Description: POORLY GRADED SAND
               SP
                               Liquid limit:
USCS Class:
                               Plasticity index:
AASHTO Class:
                             Notes
Remarks:
Fig. No.:
                     Mechanical Analysis Data
                Initial
Dry sample and tare= 980.70
Tare = 222.10
Dry sample weight = 758.60
Tare for cumulative weight retained= 222.1
  ÞVΕ
            Cumul. Wt. Percent
 retained finer
0.5 inches 222.10 100.0
0.375 inches 235.10 98.3
# 4 298.00 90.0
 # 10
              543.60
                        57.6
 # 20
              777.10
                        26.8
 # 40
                        11.5
              893.10
 # 100
                         1.8
              966.80
 # 140
               974.20
                         0.9
             975.60 0.7
 # 200
                      Fractional Components
% + 75mm. = 0.0 % GRAVEL = 10.0 % SAND = 89.3
% FINES = 0.7
```

D85= 3.98 D60= 2.113 D50= 1.656

Cc = 1.0814 Cu = 5.5719

D30= 0.9311 D15= 0.50582 D10= 0.37931



GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 1 4-29-95 Da+ : 1801.0441 Project: 1801.0441 STREET SEDIMENT SAMPLING

Sample Data

Location of Sample: NSIG032096 Sample Description: SILTY SAND

SM

USCS Class: AASHTO Class:

Liquid limit: Plasticity index:

Notes

Remarks:

Fig. No.: 21

Mechanical Analysis Data

Initial

Dry sample and tare= 1289.00 = 227.70 Tare Dry sample weight = 1061.30

Tare for cumulative weight retained= 238.1

	3ve		Cumul. Wt.	Percent
`	·		retained	finer
	0.75	inches	238.10	100.0
	0.375	inches	247.90	99.1
	# 4		303.10	93.9
;	# 10		474.70	77.7
	# 20		646.00	61.6
:	# 40		793.20	47.7
	# 100		1065.20	22.1
	# 140		1135.30	15.5
	# 200		1166.00	12.6

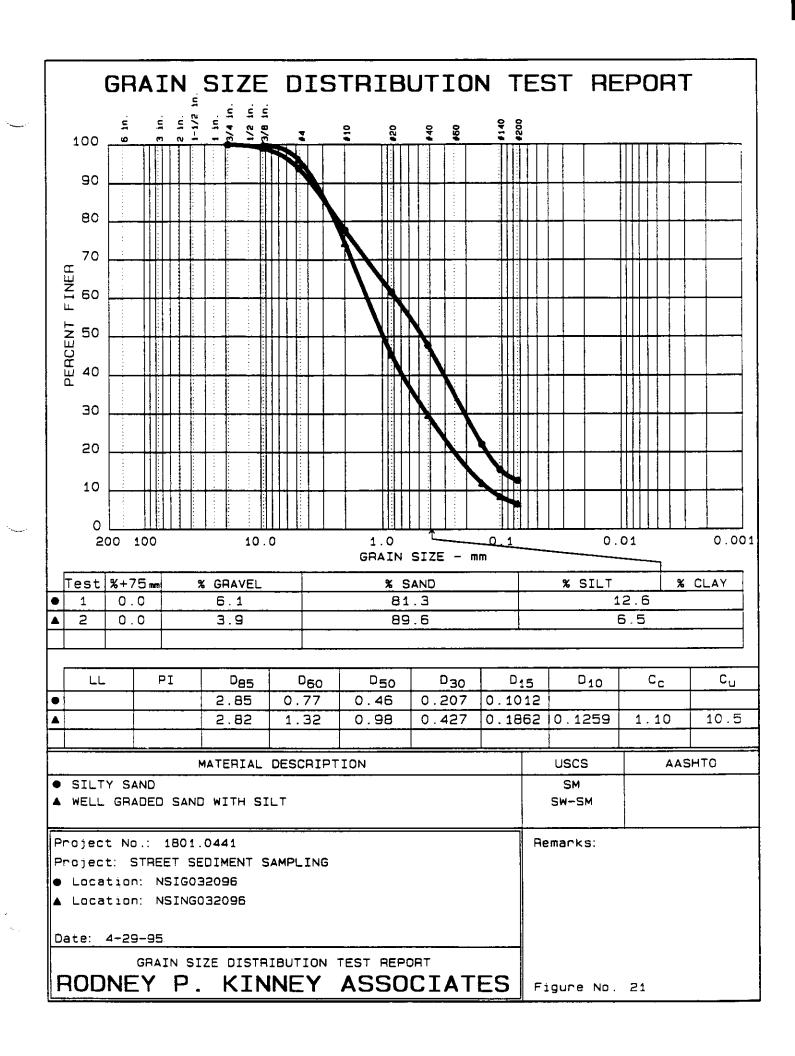
Fractional Components

% + 75mm. = 0.0 % GRAVEL = 6.1 % SAND = 81.3

D85= 2.85 D60= 0.767 D50= 0.462 D30= 0.2065 D15= 0.10116

[%] FINES = 12.6

```
_______
                GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 2
Da+
               4-29-95
Project: 1801.0441
STREET SEDIMENT SAMPLING
Sample Data
_______
Location of Sample: NSING032096
Sample Description: WELL GRADED SAND WITH SILT
USCS Class:
               SW-SM
                             Liquid limit:
                             Plasticity index:
AASHTO Class:
                           Notes
Remarks:
Fig. No.:
                 Mechanical Analysis Data
               Initial
Dry sample and tare= 1033.80
             = 227.70
Tare
Dry sample weight = 806.10
Tare for cumulative weight retained= 228
   ₹ve
            Cumul. Wt. Percent
 retained finer
0.375 inches 228.00 100.0
# 4 259.20 96.1
                       74.3
 # 10
             435.00
             668.60
 # 20
                       45.3
                       29.6
              795.10
 # 40
             938.20
 # 100
                       11.9
                        8.4
 # 140
             966.70
             981.70 6.5
 # 200
                     Fractional Components
 % + 75mm. = 0.0 % GRAVEL = 3.9 % SAND = 89.6
% FINES = 6.5
D85= 2.82 D60= 1.318 D50= 0.977
D30= 0.4266 D15= 0.18621 D10= 0.12589
Cc = 1.0965 Cu = 10.4713
```



```
GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 3
                 4-29-95
Data:
r ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
                1801.0441
Sample Data
Location of Sample: OSIG032196
Sample Description: POORLY GRADED SAND WITH SILT USCS Class: SP-SM Liquid lin
                                Liquid limit:
                                Plasticity index:
AASHTO Class:
                             Notes
Remarks:
               22
Fig. No.:
------
                      Mechanical Analysis Data
                 Initial
Dry sample and tare= 1562.20
Tare = 223.30
Dry sample weight = 1338.90
Tare for cumulative weight retained= 224.8
 ove ``
             Cumul. Wt. Percent
 retained finer
0.375 inches 224.80 100.0
# 4 265.00 97.0
# 10 525.60 77.5
# 20 785.40 58.1
# 40 1013.70 41.1
                         16.0
 # 100
             1349.30
             1423.00
                         10.5
8.9
 # 140
             1444.40
 # 200
                     Fractional Components
% + 75mm. = 0.0 % GRAVEL = 3.0 % SAND = 88.1
% FINES = 8.9
     2.66 D60= 0.912 D50= 0.596
D85=
D30= 0.2723 D15= 0.14125 D10= 0.09886
```

Cc = 0.8222 Cu = 9.2257

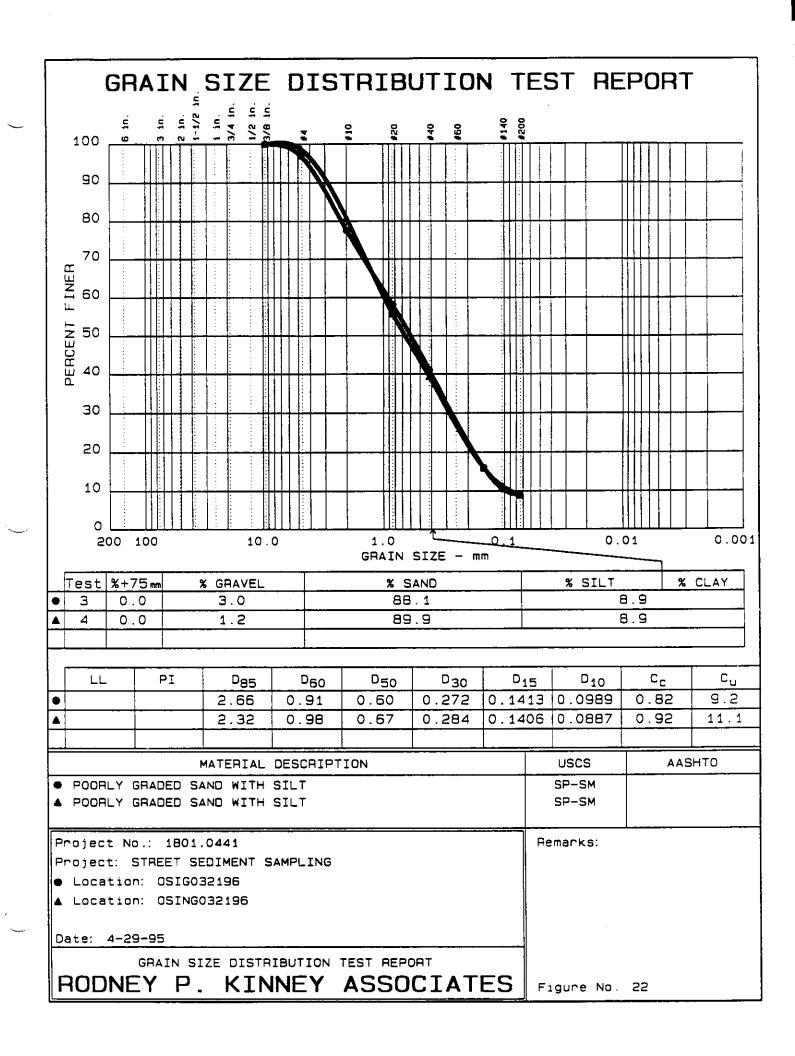
```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                      Test No.: 4
                 4-29-95
r ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
                1801.0441
Sample Data
Location of Sample: OSING032196
Sample Description: POORLY GRADED SAND WITH SILT
JSCS Class: SP-SM
AASHTO Class:
                                 Liquid limit:
                                 Plasticity index:
                              Notes
Remarks:
Fig. No.:
Mechanical Analysis Data
                 Initial
Ory sample and tare= 958.70
Fare = 168.30
Ory sample weight = 790.40
Tare for cumulative weight retained= 168.3
 Tre 101 Cumul. Wt. retained finer

0.375 inches 168.30 100.0

# 4 10 320.30 80.8

# 10 55.7
             Cumul. Wt. Percent
 # 20
              518.50
                         55.7
              647.50
832.80
869.80
888.30
 # 40
                          39.4
                         15.9
 # 100
                      15.9
11.2
8.9
 # 140
 # 200
                       Fractional Components
% + 75mm. = 0.0 % GRAVEL = 1.2 % SAND = 89.9
\frac{1}{6} FINES = 8.9
D85= 2.32 D60= 0.984 D50= 0.665
D30= 0.2838 D15= 0.14060 D10= 0.08872
```

3c = 0.9226 Cu = 11.0917



```
GRAIN SIZE DISTRIBUTION TEST DATA
                                            Test No.: 5
_____
              4-29-95
Da+≏:
              1801.0441
P: ect No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
______
Location of Sample: OSNIG032196
Sample Description: WELL GRADED SAND WITH SILT
USCS Class:
             SW-SM
                           Liquid limit:
                           Plasticity index:
                         Notes
Remarks:
Fig. No.:
              23
Mechanical Analysis Data
              Initial
Dry sample and tare= 1314.70
           = 246.90
Tare
Dry sample weight = 1067.80
Tare for cumulative weight retained= 247.5
 eve
         Cumul. Wt. Percent
 retained finer
0.75 inches 247.50 100.0
0.375 inches 252.00 99.6
# 4 267.10 98.2
# 10 397.60 85.9
 # 20
            614.30
            811.60
 # 40
                     47.2
           1113.20
 # 100
                     18.9
 # 140
                     12.7
           1180.00
 # 200 1210.00 9.9
               Fractional Components
% + 75mm. = 0.0 % GRAVEL = 1.8 % SAND = 88.3
% FINES = 9.9
```

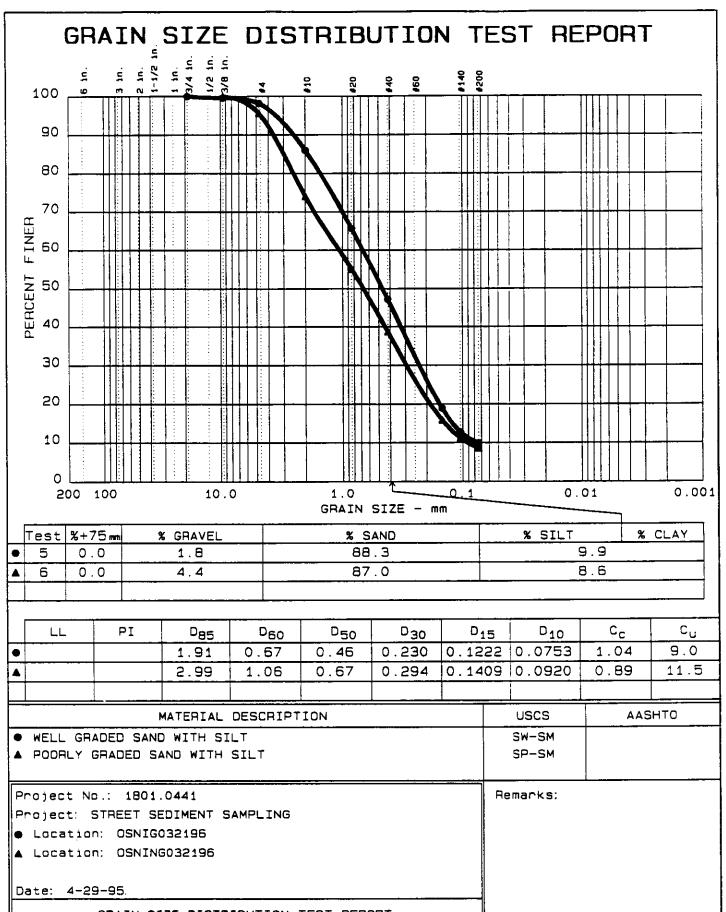
D85= 1.91 D60= 0.675 D50= 0.465

 $Cc = 1.0423 \quad Cu = 8.9536$

D30= 0.2301 D15= 0.12218 D10= 0.07534

```
GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 6
                 4-29-95
Da+ ⊤t
or ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
_____
Location of Sample: OSNING032196
Sample Description: POORLY GRADED SAND WITH SILT
JSCS Class:
AASHTO Class:
                                Liquid limit:
                SP-SM
                               Plasticity index:
AASHTO Class:
                              Notes
Remarks:
Fig. No.:
                 Mechanical Analysis Data
                 Initial
Dry sample and tare= 969.20
         = 176.70
Tare
Dry sample weight = 792.50
Tare for cumulative weight retained= 169.5
 ve Cumul. Wt. Percent retained finer
0.375 inches 169.50 100.0
# 4 204.70 95.6
# 10 375.80 74.0
              525.30
 # 20
             655.40 38.7
836.80 15.8
873.80 11.1
894.20 8.6
 # 40
 # 100
 # 140
 # 200
                       Fractional Components
% + 75mm. = 0.0 % GRAVEL = 4.4 % SAND = 87.0
% FINES = 8.6
D85= 2.99 D60= 1.059 D50= 0.668
D30= 0.2944 D15= 0.14093 D10= 0.09204
```

Cc = 0.8892 Cu = 11.5080



GRAIN SIZE DISTRIBUTION TEST REPORT

RODNEY P. KINNEY ASSOCIATES | Figure No. 23

```
GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 13
Date:
                  4-29-95
Project: 1801.0441

Project: STREET SEDIMENT SAMPLING
Sample Data
_____
Location of Sample: OSING032196AQ
Sample Description: POORLY GRADED SAND WITH SILT USCS Class: SP-SM Liquid lim
                                  Liquid limit:
                                  Plasticity index:
AASHTO Class:
                               Notes
Remarks:
               27
Fig. No.:
Mechanical Analysis Data
                  Initial
Dry sample and tare= 687.80
Tare = 231.10
Dry sample weight = 456.70
Tare for cumulative weight retained= 231.6
 retained finer

O.375 inches 231.60 100.0

# 4 248.40 96.3

# 10 359.50 72.0

# 20 452.80 51.6

# 40 514.80 38.0

# 100 609.90 17.2

# 140 630.60 12.6

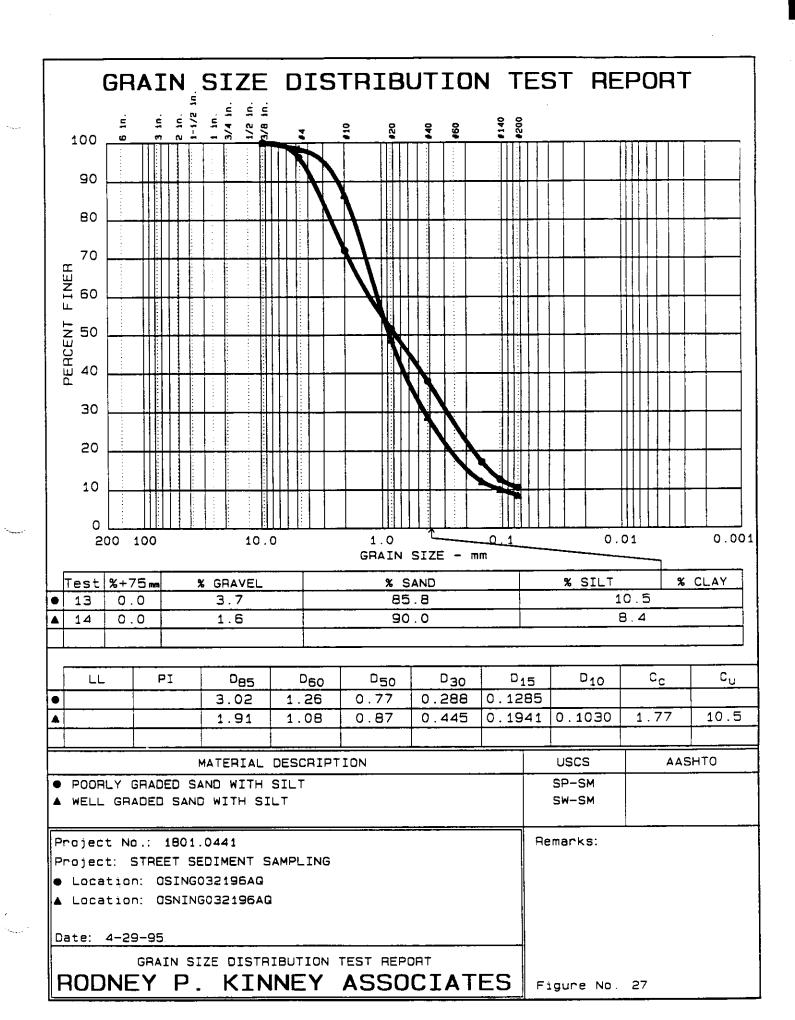
# 200 640.30 10.5
                       Fractional Components
% + 75mm. = 0.0 % GRAVEL = 3.7 % SAND = 85.8
% FINES = 10.5
```

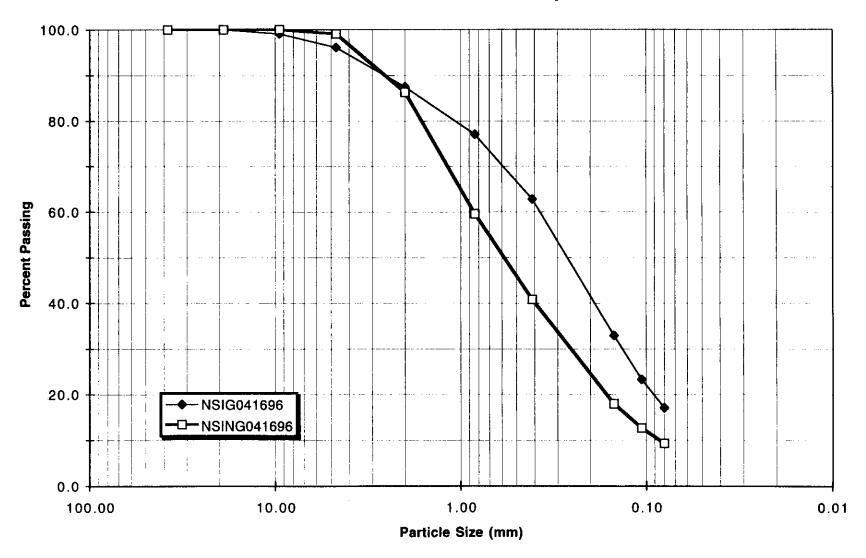
D85= 3.02 D60= 1.256 D50= 0.774

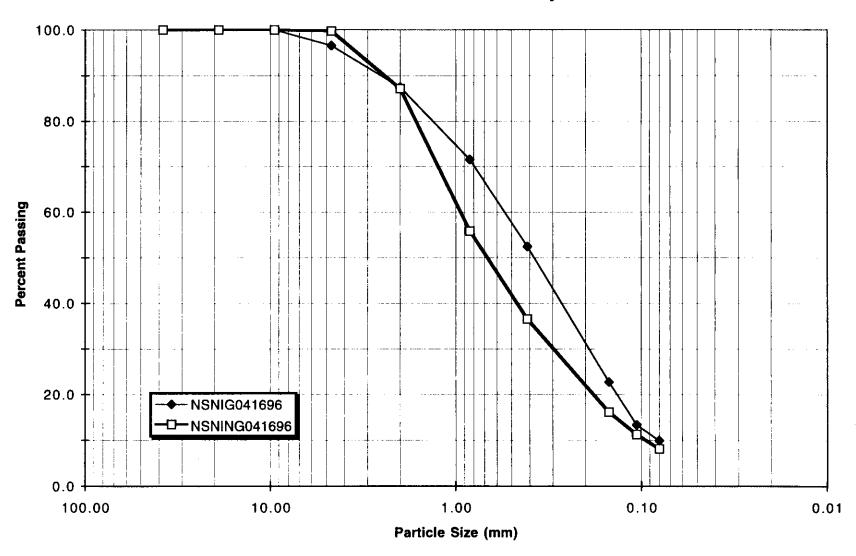
D30= 0.2877 D15= 0.12853

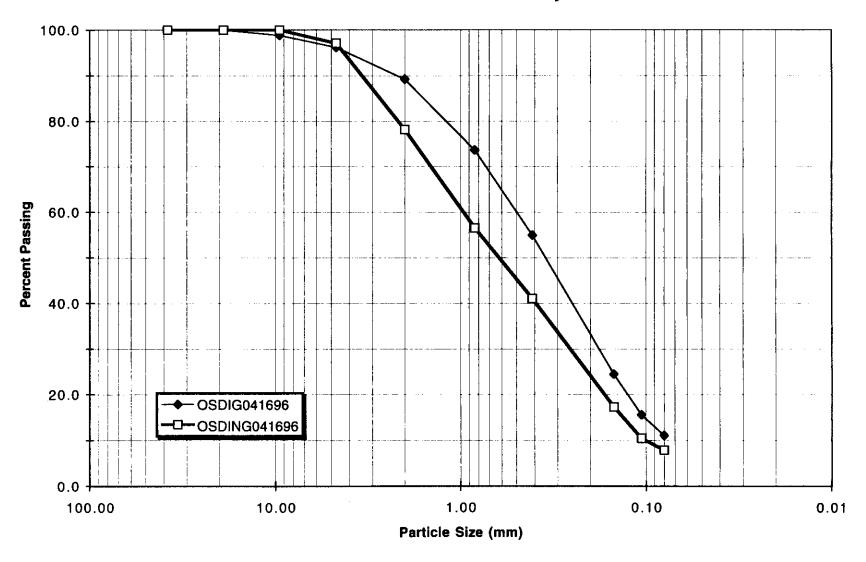
```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                Test No.: 14
               4-29-95
)at^:
Project: 1801.0441
STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: OSNING032196AQ
Sample Description: WELL GRADED SAND WITH SILT JSCS Class: SW-SM Liquid 1 AASHTO Class: Plastic
                            Liquid limit:
                             Plasticity index:
                           Notes
Remarks:
Fig. No.:
Mechanical Analysis Data
               Initial
Ory sample and tare= 222.90
Tare = 165.10
Dry sample weight = 57.80
Tare for cumulative weight retained= 228
 ) PVF
           Cumul. Wt. Percent
 retained finer
0.375 inches 228.00 100.0
# 4 228.90 98.4
# 10 235.80 86.5
# 20 257.70 48.6
             269.20
                       28.7
 # 40
             278.80
280.00
 # 100
                       12.1
                      10.0
 # 140
                     8.5
 # 200
             280.90
                    Fractional Components
% + 75mm. = 0.0 % GRAVEL = 1.6 % SAND = 90.0
% FINES = 8.4
D85= 1.91 D60= 1.084 D50= 0.869
D30= 0.4446 D15= 0.19409 D10= 0.10304
```

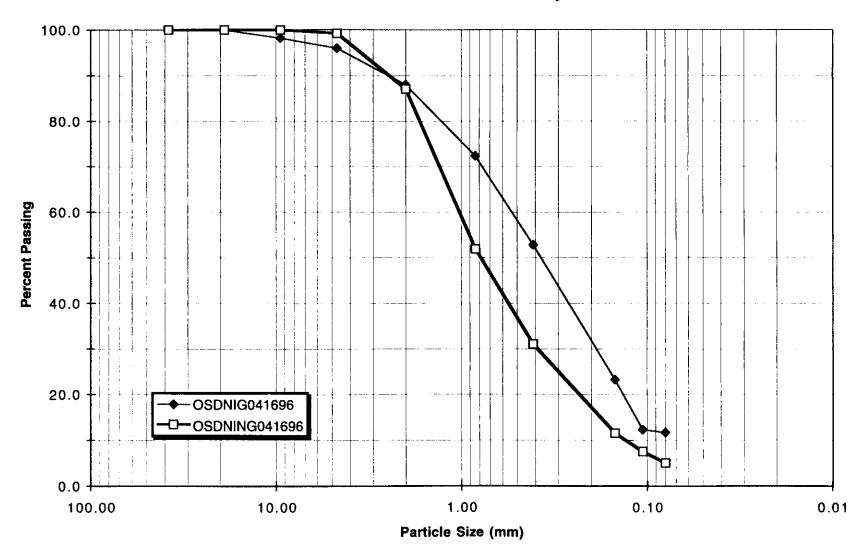
Cc = 1.7701 Cu = 10.5196

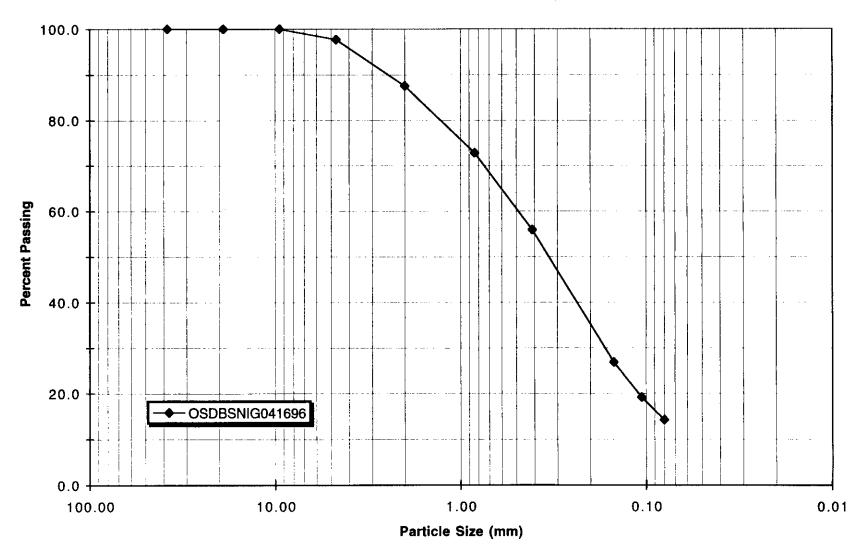


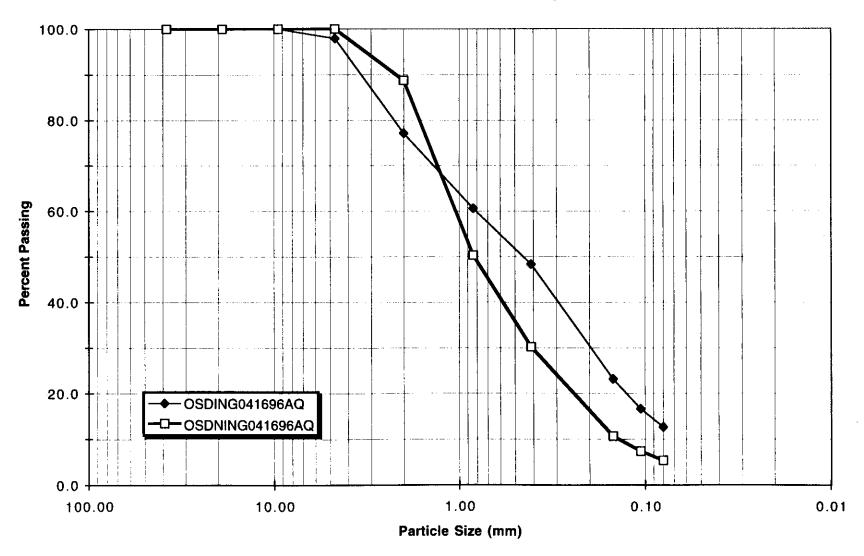












GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 13 4-29-95 Da* :: 1801.0441 Project: 1801.0441 STREET SEDIMENT SAMPLING Sample Data ______ Location of Sample: RVIG032796 Sample Description: POORLY GRADED SAND WITH SILT USCS Class: SP-SM AASHTO Class: Liquid limit: Plasticity index: AASHTO Class: Notes Remarks: 17 Fig. No.: Mechanical Analysis Data Initial Dry sample and tare= 1308.60 = 164.40 Tare Dry sample weight = 1144.20 Tare for cumulative weight retained= 169.2 Cumul. Wt. Percent retained finer 1 inches 169.20 100.0 0.75 inches 205.20 96.9 0.375 inches 256.80 92.3

Fractional Components

67.3

24.2

18.0

15.4

9.0

7.2

% + 75mm. = 0.0 % GRAVEL = 32.7 % SAND = 60.8

1239.20 6.5

% FINES = 6.5

200

4

10 # 20

40

100

140

D85= 7.16 D60= 4.154 D50= 3.475 D30= 2.3442 D15= 0.38905 D10= 0.

2.3442 D15= 0.38905 D10= 0.17378

543.70

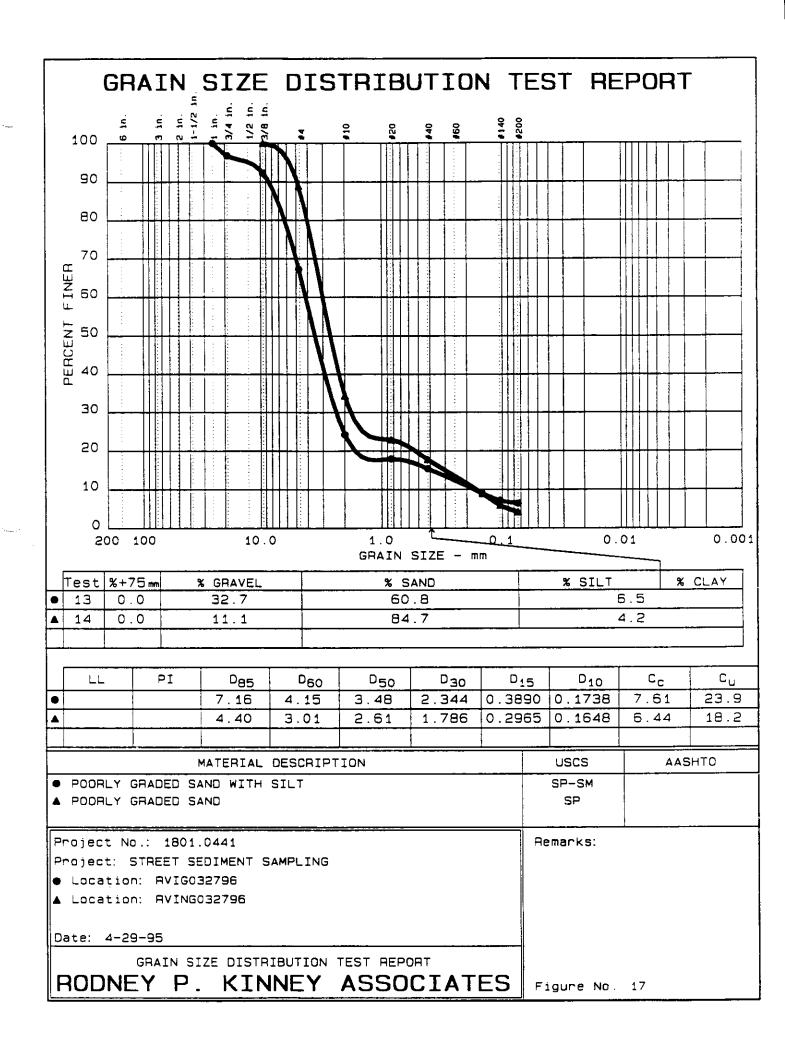
1036.10 1108.00 1136.80 1210.00

1231.20

Cc = 7.6120 Cu = 23.9056

```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                 Test No.: 14
               4-29-95
)a+^+
               1801.0441
r ct No.: 1801.0441
Project: STREET SEDIMENT SAMPLING
Sample Data
______
Location of Sample: RVING032796
Sample Description: POORLY GRADED SAND
JSCS Class:
               SP
                              Liquid limit:
                              Plasticity index:
                           Notes
Remarks:
Fig. No.:
Mechanical Analysis Data
               Initial
Dry sample and tare= 1236.60
             = 161.90
Tare
Dry sample weight = 1074.70
Tare for cumulative weight retained= 224.6
 Cumul. Wt. Percent retained finer
0.375 inches 224.60 100.0
# 4 343.70 88.9
# 10 930.00 34.4
# 20 1053.20 22.9
           1053.20
1107.90
1202.60
1235.40
                       22.9
 # 20
 # 40
                       17.8
 # 100
                        9.0
                        5.9
 # 140
                     4.3
           1253.60
 # 200
                    Fractional Components
                            -----
% + 75mm. = 0.0 % GRAVEL = 11.1 % SAND = 84.7
% FINES = 4.2
D85= 4.40 D60= 3.006 D50= 2.612
D30= 1.7865 D15= 0.29648 D10= 0.16482
```

CC = 6.4417 Cu = 18.2390



```
GRAIN SIZE DISTRIBUTION TEST DATA
                                                     Test No.: 15
                 4-29-95
Da+^:
                1801.0441
Project: 1801.0441
STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: RVNIG032796
Sample Description: POORLY GRADED SAND
                                 Liquid limit:
USCS Class:
                SP
                                 Plasticity index:
AASHTO Class:
                              Notes
Remarks:
                18
Fig. No.:
                    Mechanical Analysis Data
                 Initial
Dry sample and tare= 747.40
              = 227.60
Tare
Dry sample weight = 519.80
Tare for cumulative weight retained= 228
             Cumul. Wt. Percent
 retained finer
0.75 inches 228.00 100.0
0.375 inches 288.40 88.4
              461.00
                         55.2
 # 4
                         10.4
 # 10
              693.70
 # 20
               716.20
                          6.1
 # 40
               721.10
                           5.1
              734.70
 # 100
                          2.5
              737.50
 # 140
                           2.0
             737.80 1.9
 # 200
                      Fractional Components
```

% + 75mm. = 0.0 % GRAVEL = 44.8 % SAND = 53.3

% FINES = 1.9

D85= 8.61 D60= 5.164 D50= 4.365 D30= 3.1153 D15= 2.28297 D10= 1.96562 Cc = 0.9561 Cu = 2.6272

GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 16 4-29-95 Datr. r ct No.: 1801.0441 Project: STREET SEDIMENT SAMPLING Sample Data Location of Sample: RVNING032796 Sample Description: WELL GRADED SAND Liquid limit: JSCS Class: AASHTO Class: Plasticity index: Notes Remarks: Fig. No.: Mechanical Analysis Data Initial Dry sample and tare= 802.20 = 223.00 Tare

Dry sample weight = 579.20

Tare for cumulative weight retained= 223 Cumul Wt Percent

.

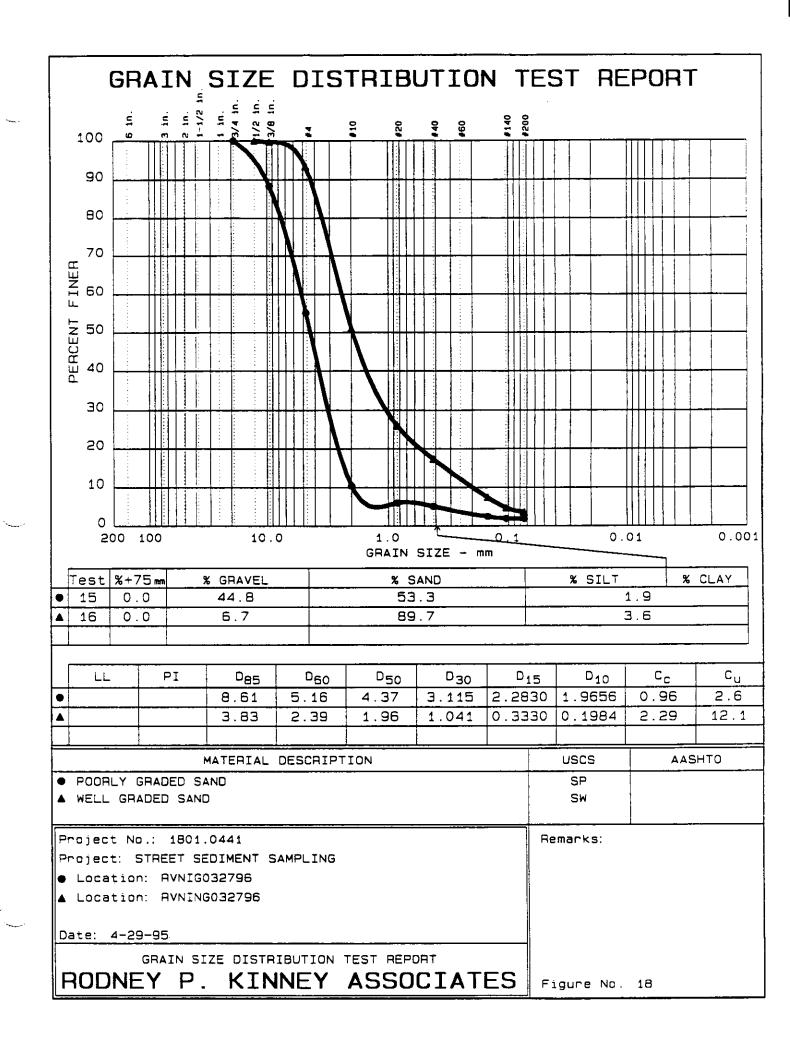
Fractional Components

```
% GRAVEL = 6.7 % SAND = 89.7
% + 75 \text{mm}. = 0.0
% FINES = 3.6
```

D85= 3.83 D60= 2.391 D50= 1.961

D30= 1.0411 D15= 0.33304 D10= 0.19838

Cc = 2.2856 Cu = 12.0504



GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 1 4-29-95)ate: Project: 1801.0441 STREET SEDIMENT SAMPLING 1801.0441 Sample Data _____ Jocation of Sample: RVING032796AQ Sample Description: POORLY GRADED SAND WITH SILT SP-SM Liquid limit: JSCS Class: Plasticity index: ASHTO Class: Notes ?emarks: 28 Fig. No.: ______ Mechanical Analysis Data ______ Initial ry sample and tare= 1089.00 Fare = 229.20 Ory sample weight = 859.80 Fare for cumulative weight retained= 228 Cumul. Wt. Percent S'rve retained 0.5 inches 228.00 0.375 inches 232.00 # 4 finer 100.0 99.5 91.9 297.40 # 4 # 10 664.50 49.2 777.30 36.1 # 20 29.5 # 40 834.10 # 100 950.40 16.0 # 140 988.20 11.6 # 200 1011.70 8.9 Fractional Components $\frac{1}{5}$ + 75mm. = 0.0 % GRAVEL = 8.1 % SAND = 83.1 ξ FINES = 8.8

085= 4.01 D60= 2.518 D50= 2.039 030= 0.4360 D15= 0.13788 D10= 0.08700

 $3c = 0.8680 \quad Cu = 28.9401$

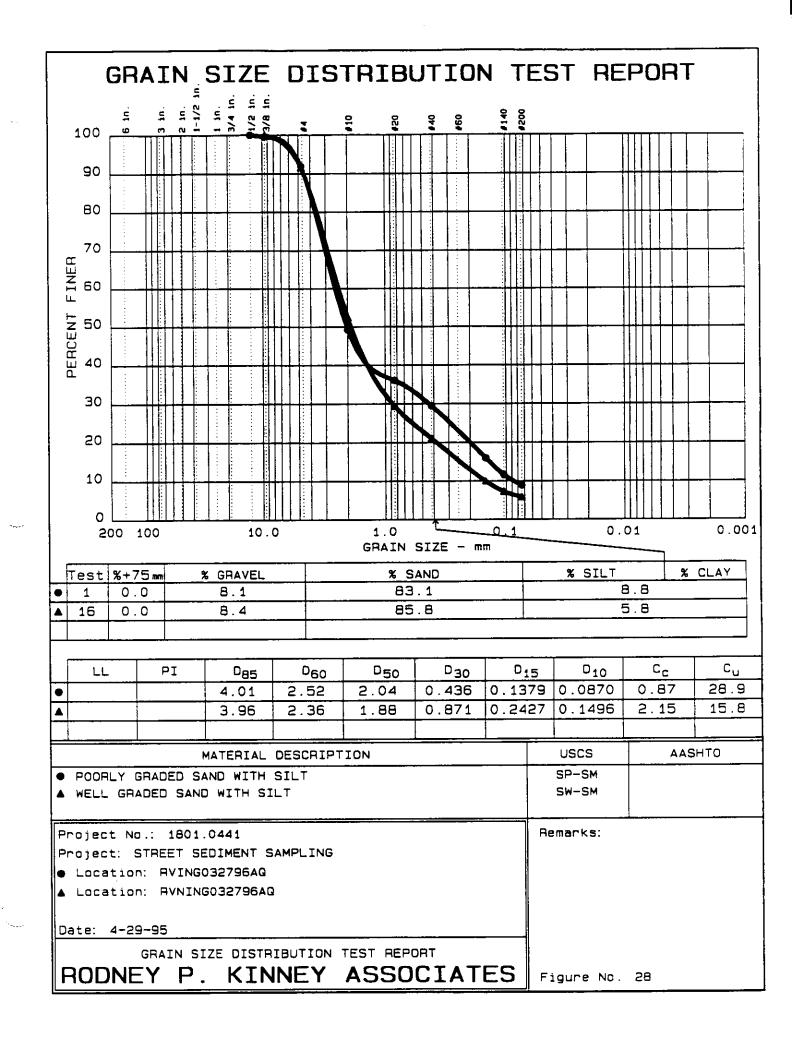
```
GRAIN SIZE DISTRIBUTION TEST DATA
                                             Test No.: 16
              4-29-95
Date:
Project: 1801.0441
STREET SEDIMENT SAMPLING
Sample Data
Location of Sample: RVNING032796AQ
Sample Description: WELL GRADED SAND WITH SILT
                            Liquid limit:
JSCS Class:
             SW-SM
                            Plasticity index:
AASHTO Class:
                          Notes
Remarks:
Fig. No.:
Mechanical Analysis Data
              Initial
Dry sample and tare= 497.80
             = 168.40
Tare
Dry sample weight = 329.40
Tare for cumulative weight retained= 224.5
 er eve
           Cumul. Wt. Percent
           retained
                    finer
            224.50
252.10
                    100.0
 0.375 inches
                     91.6
 # 4
                     52.5
             381.10
 # 10
                     29.4
 # 20
            457.00
                      21.1
 # 40
            484.50
                      9.9
 # 100
            521.20
 # 140
            530.30
                      7.2
 # 200
            534.80
                      5.8
                   Fractional Components
% + 75mm. = 0.0 % GRAVEL = 8.4 % SAND = 85.8
```

% FINES = 5.8

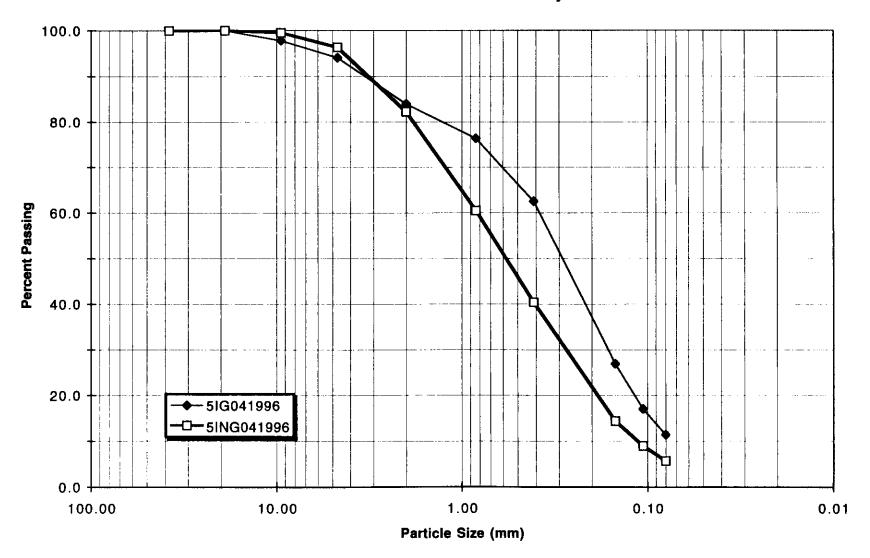
D85= 3.96 D60= 2.358 D50= 1.884

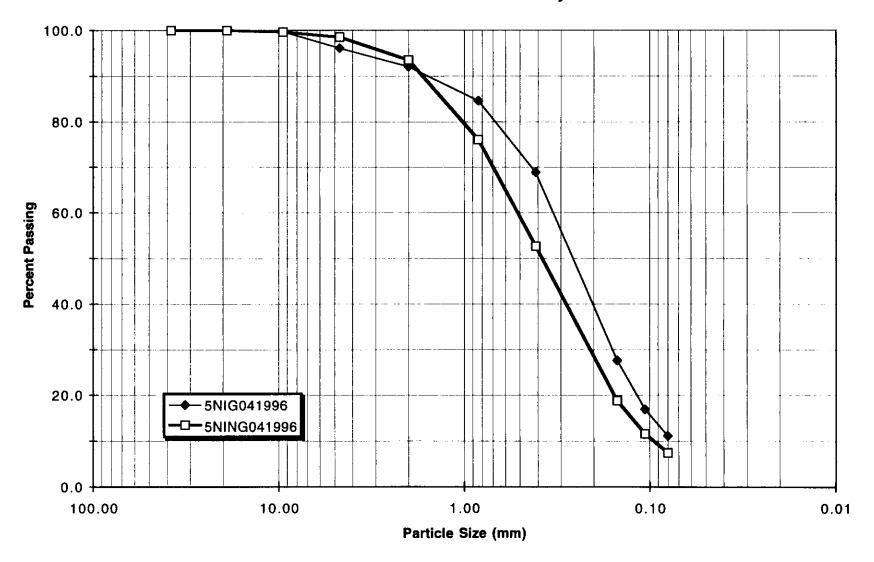
Cc = 2.1503 Cu = 15.7580

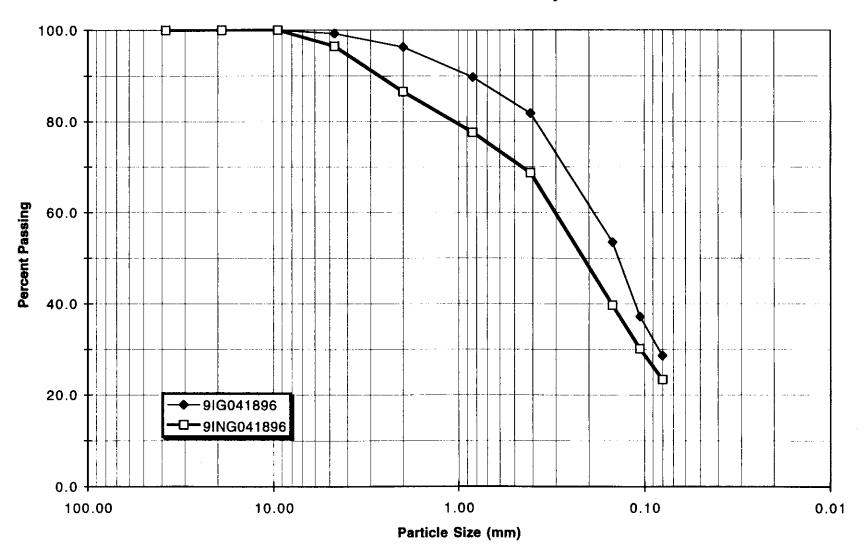
D30= 0.8710 D15= 0.24266 D10= 0.14962

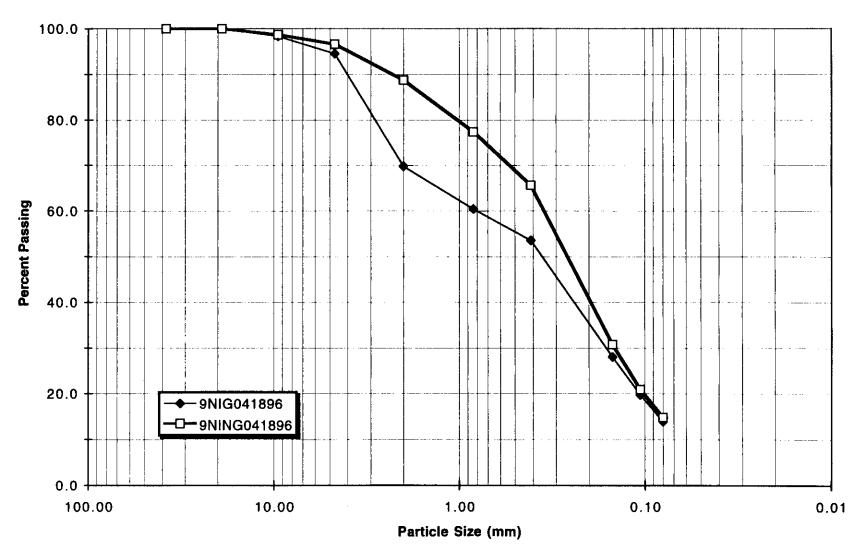


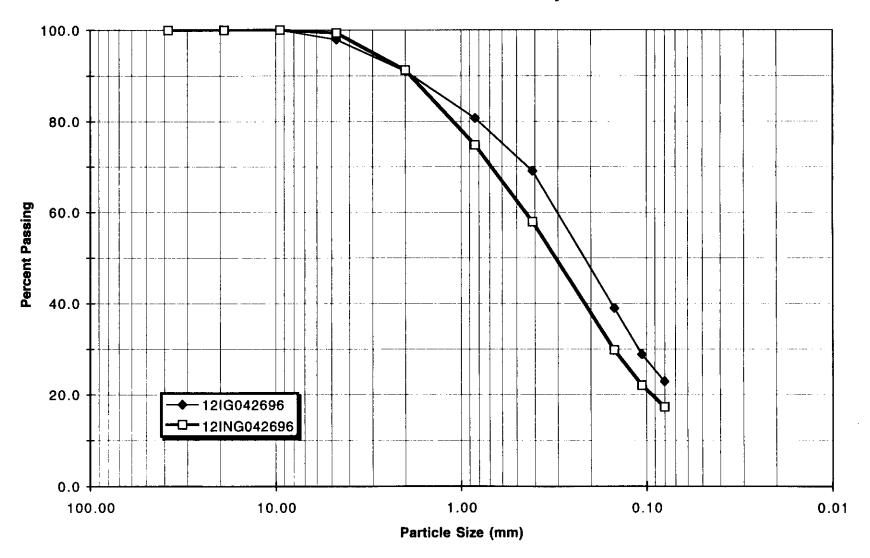
Round 2 Particle Size Distribution (Sieve Analysis) Plots

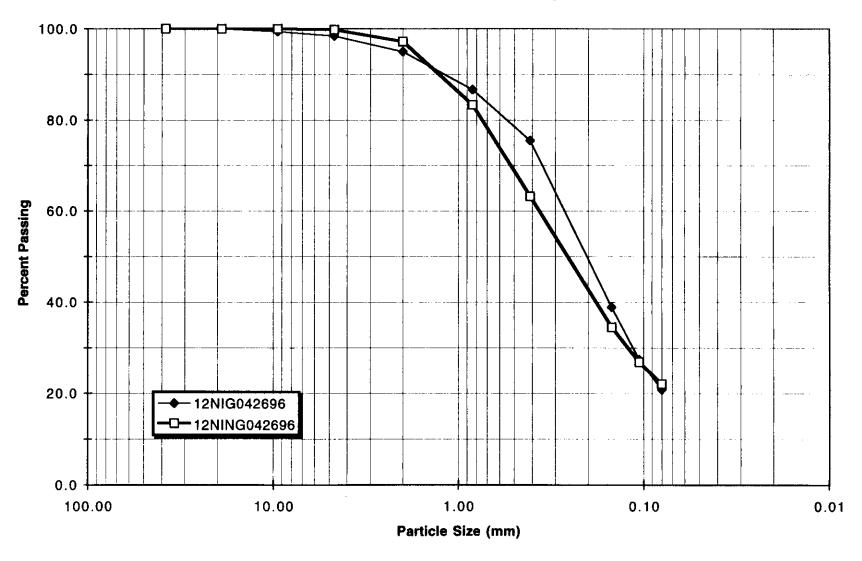


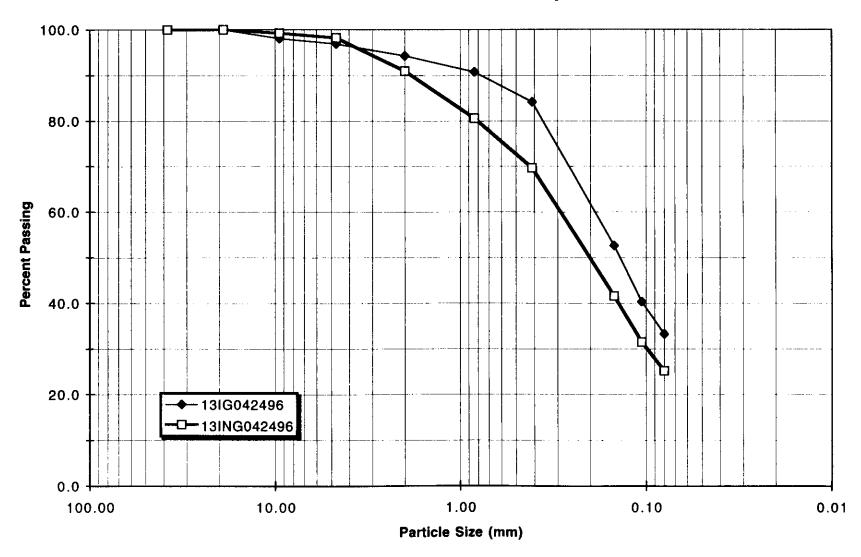


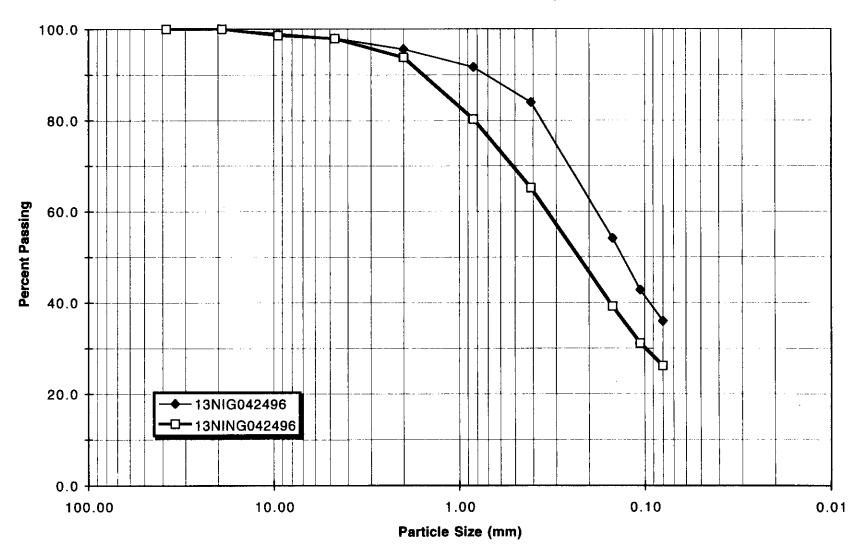


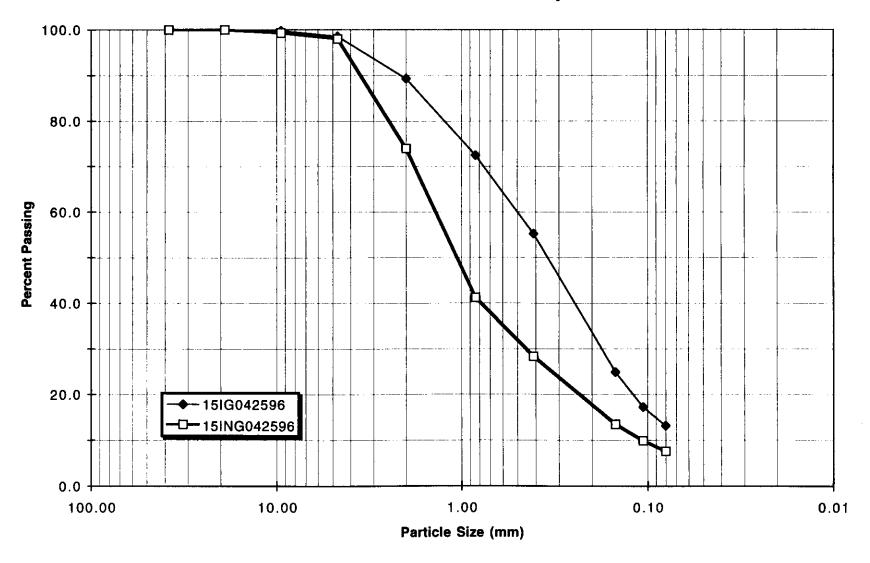


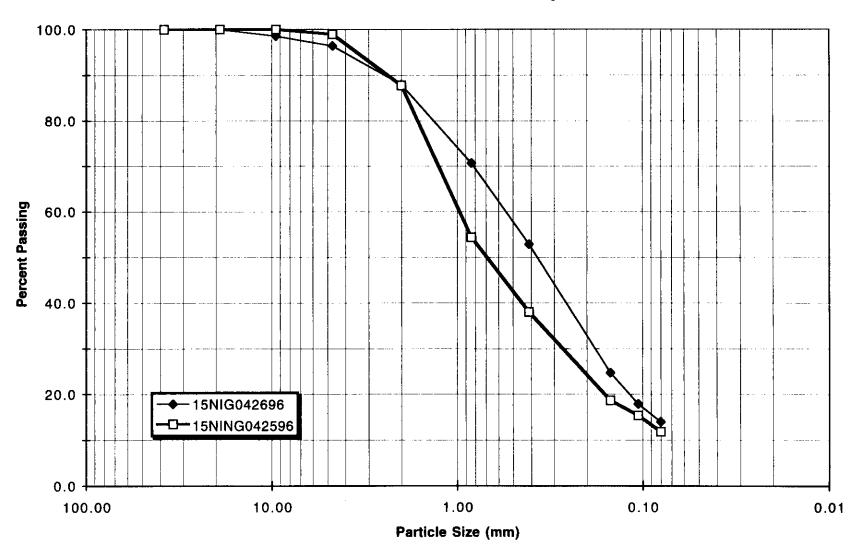


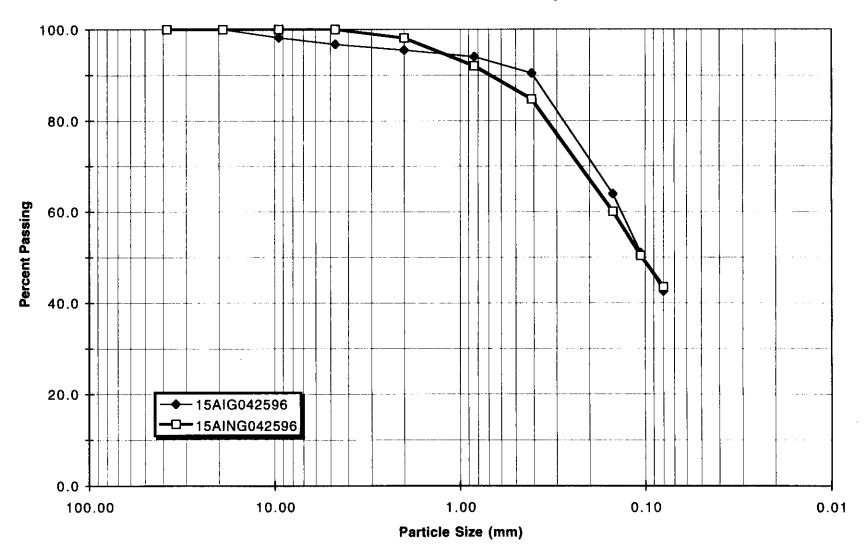


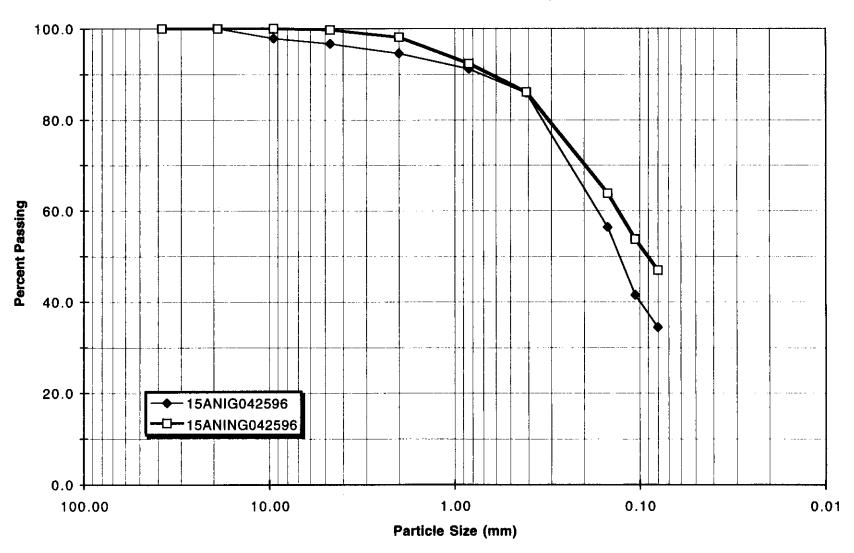


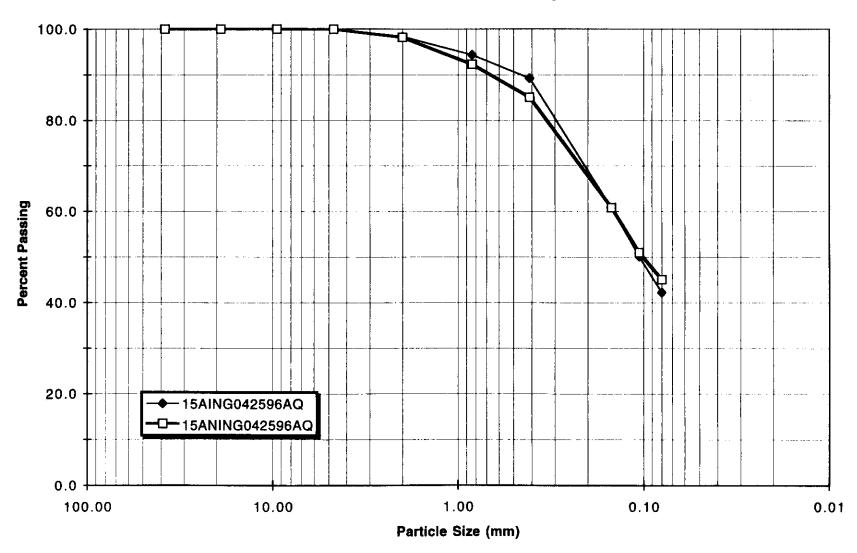


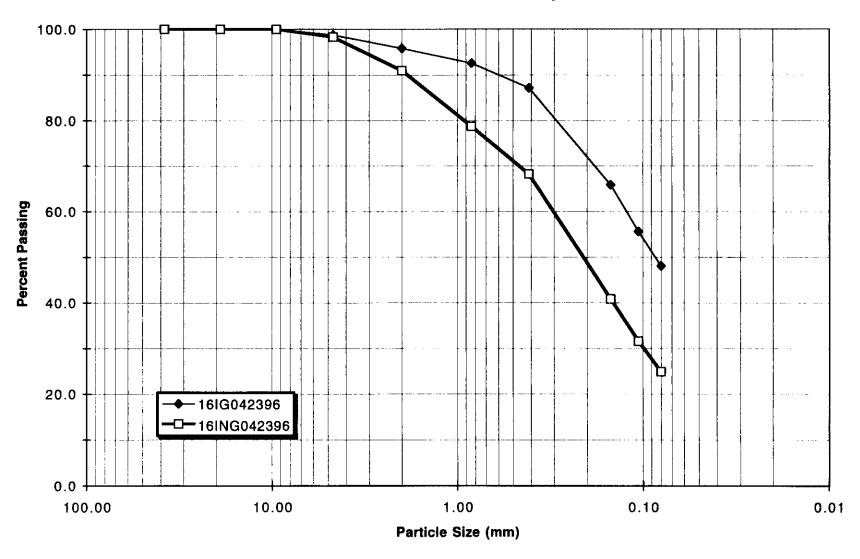


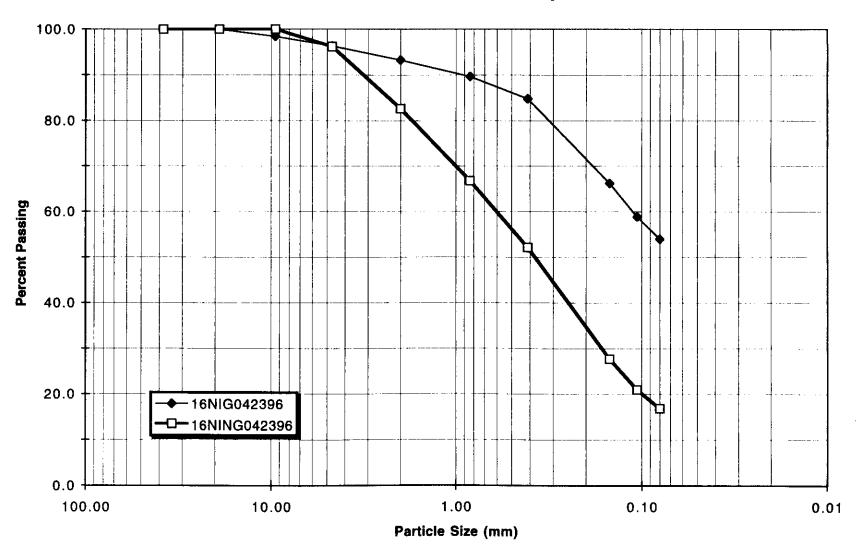


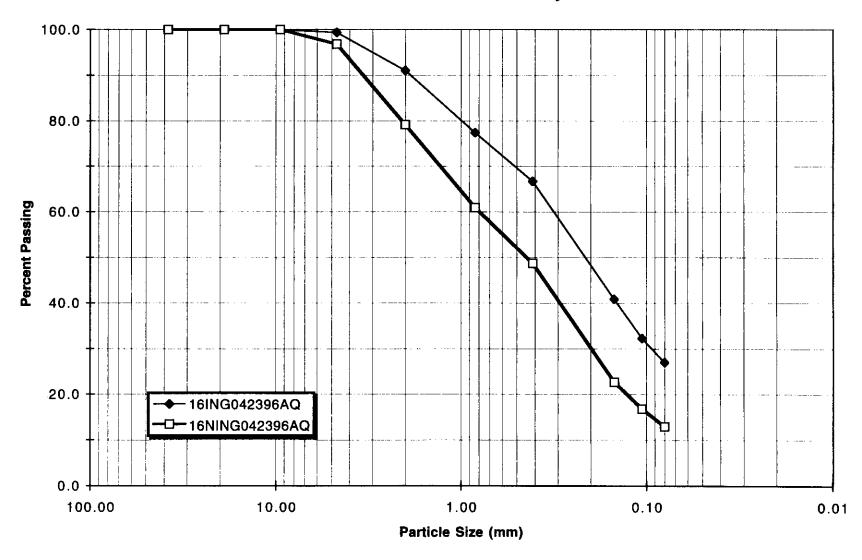


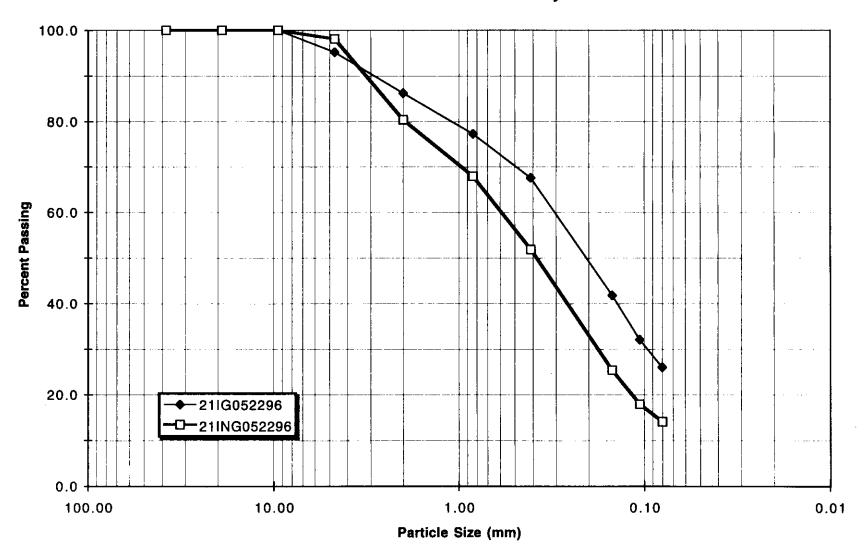


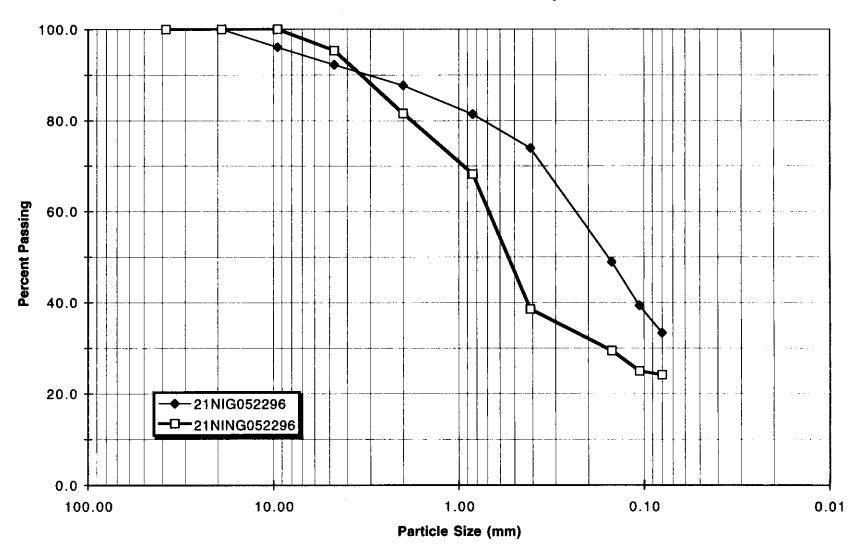


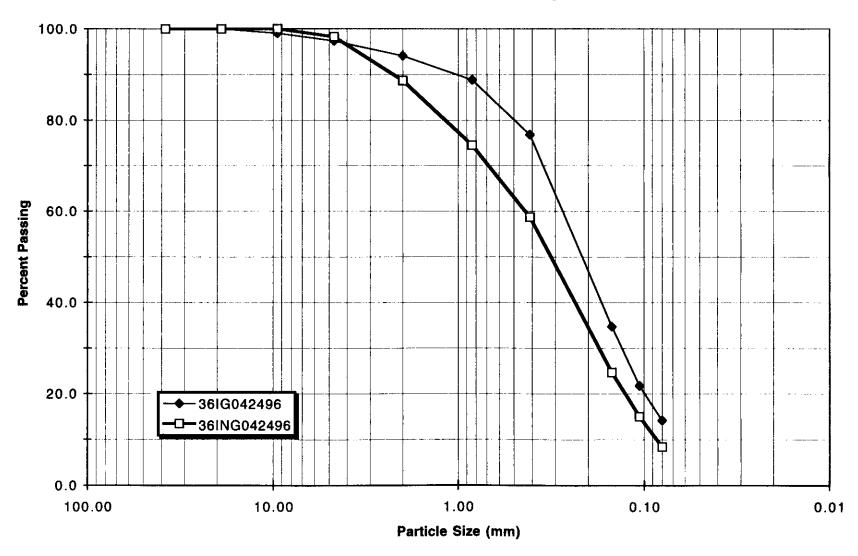


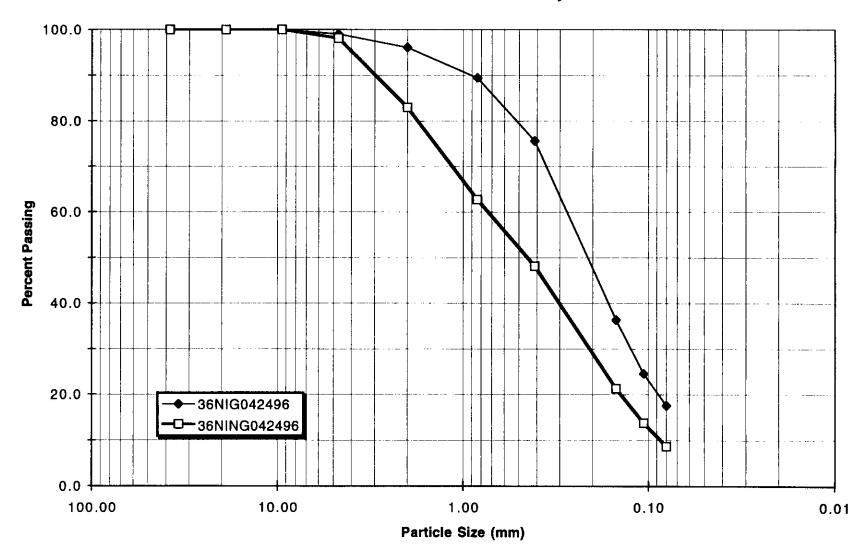


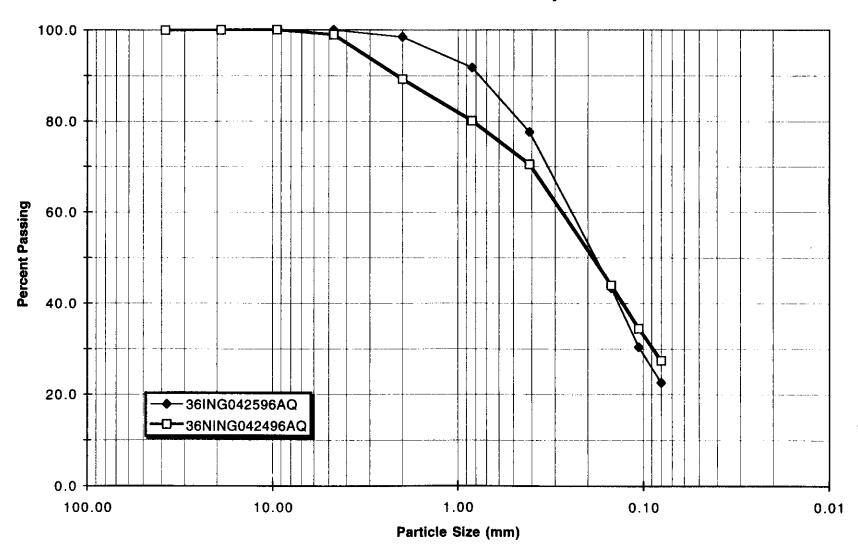


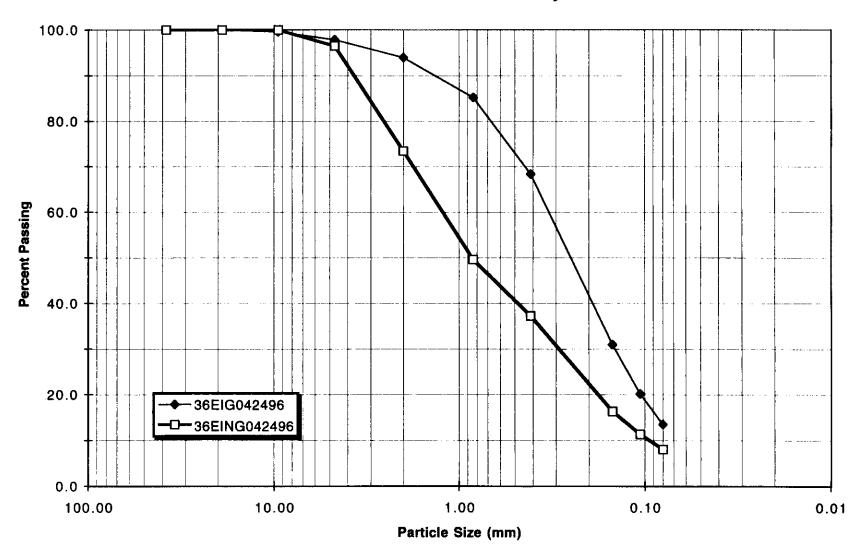


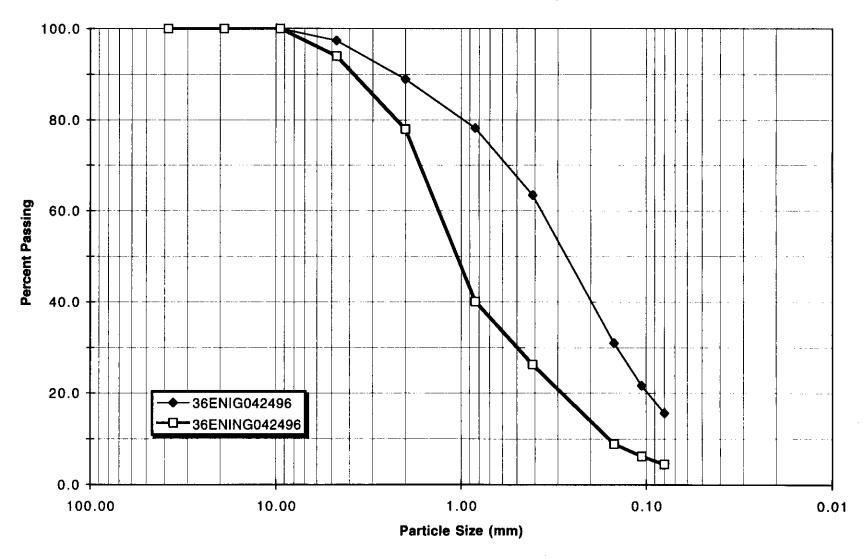


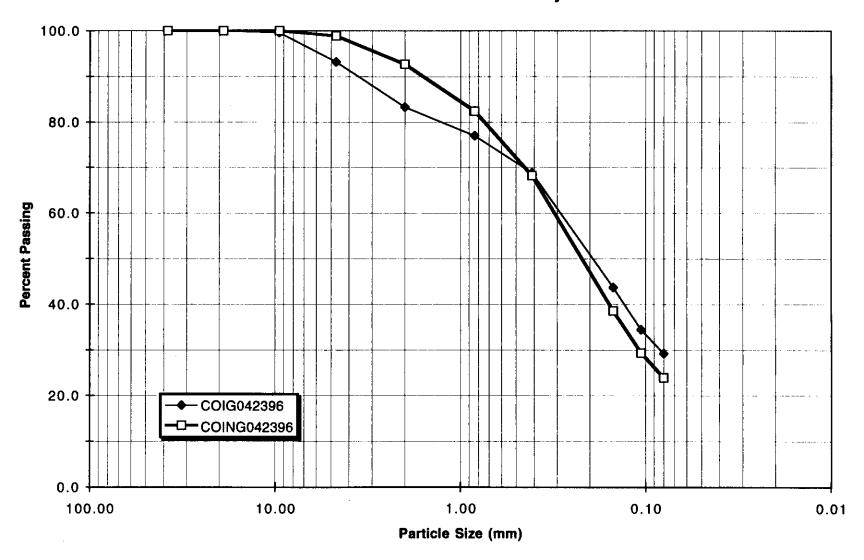


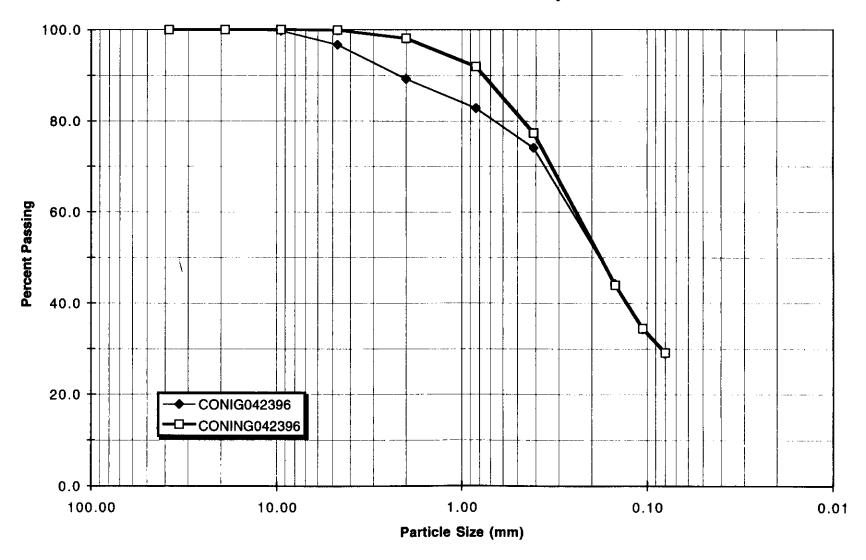


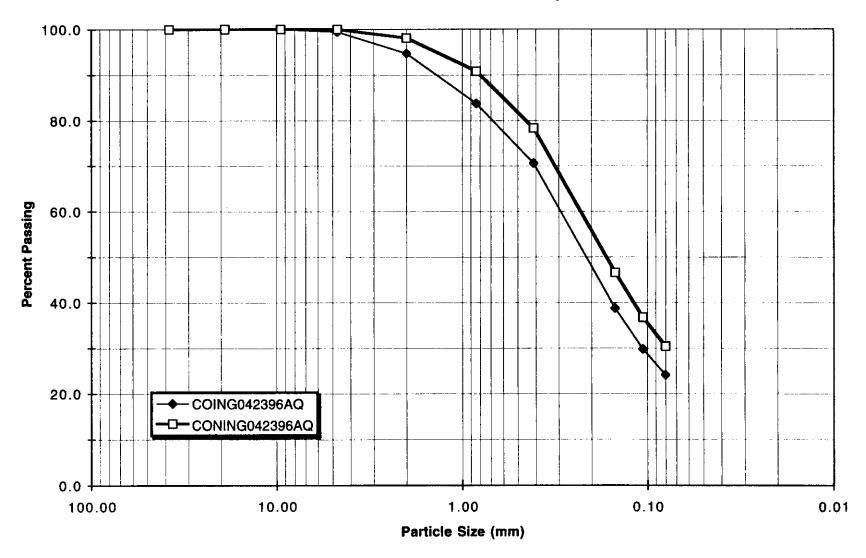


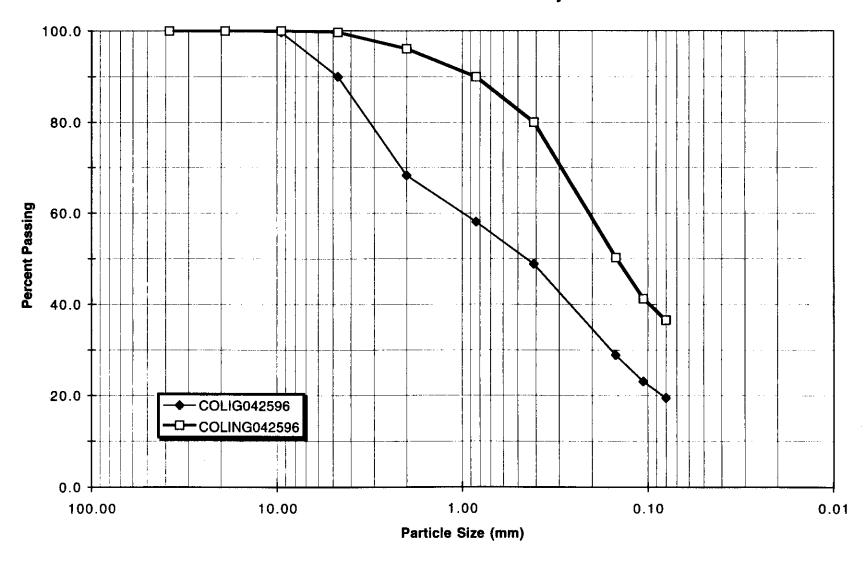


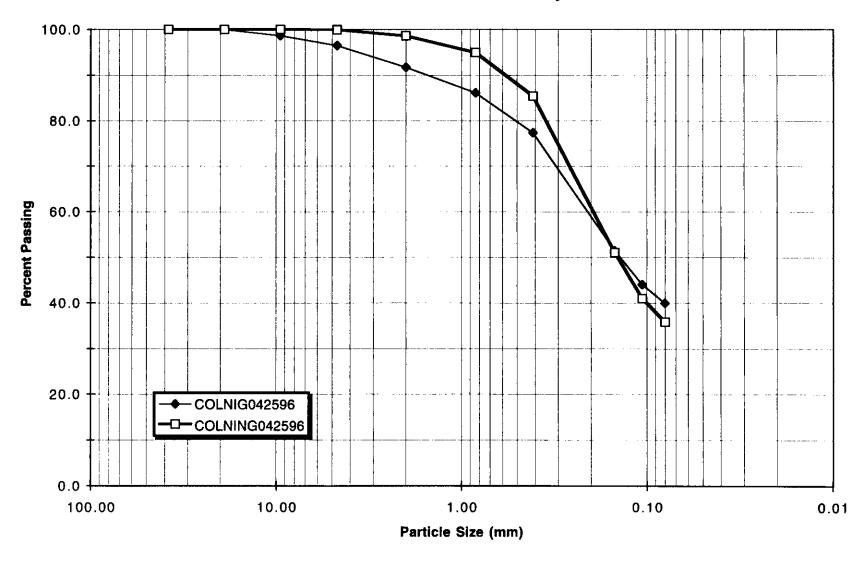


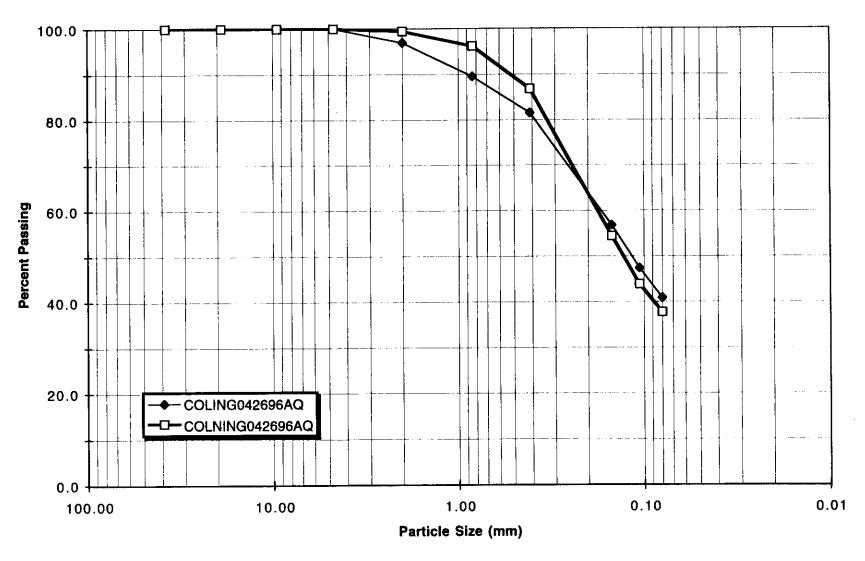


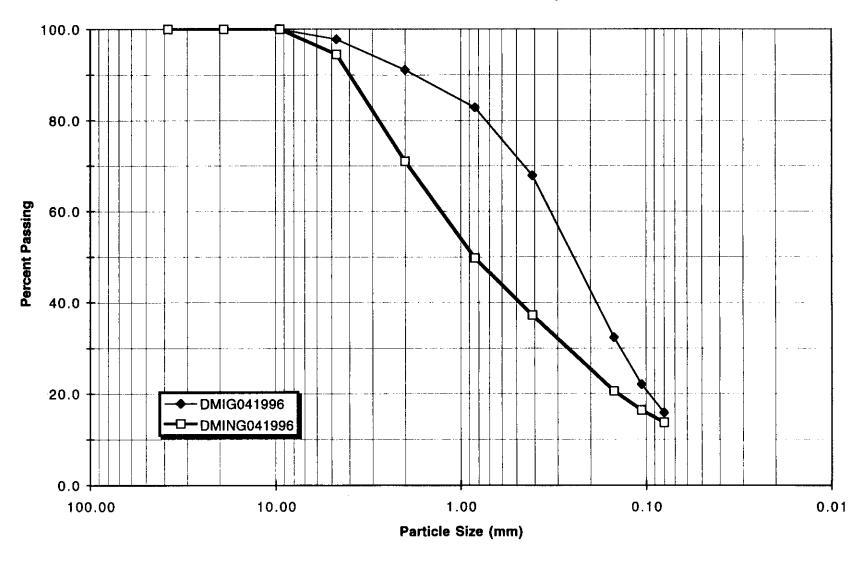


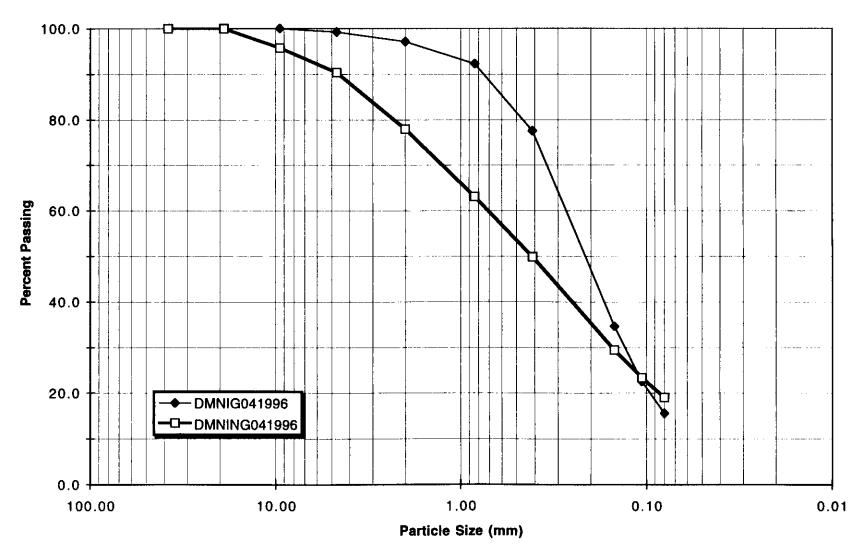


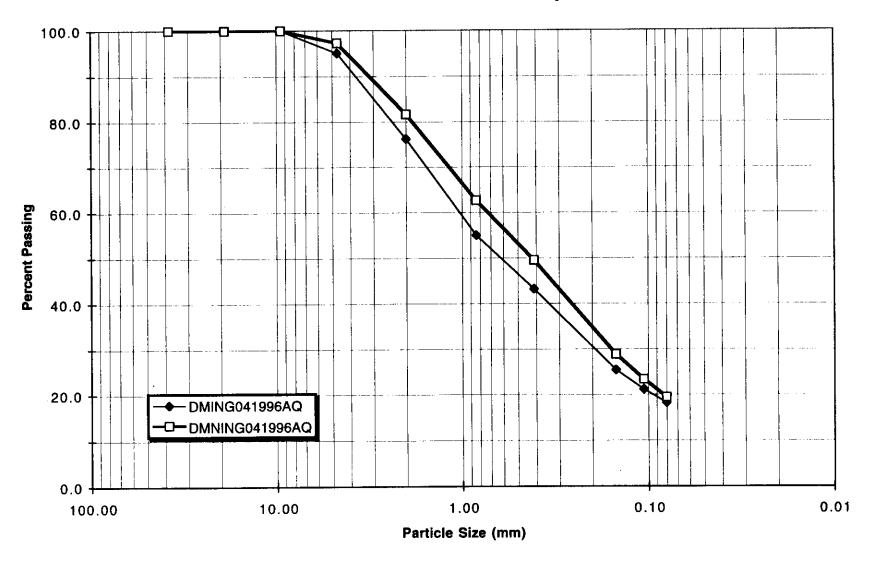


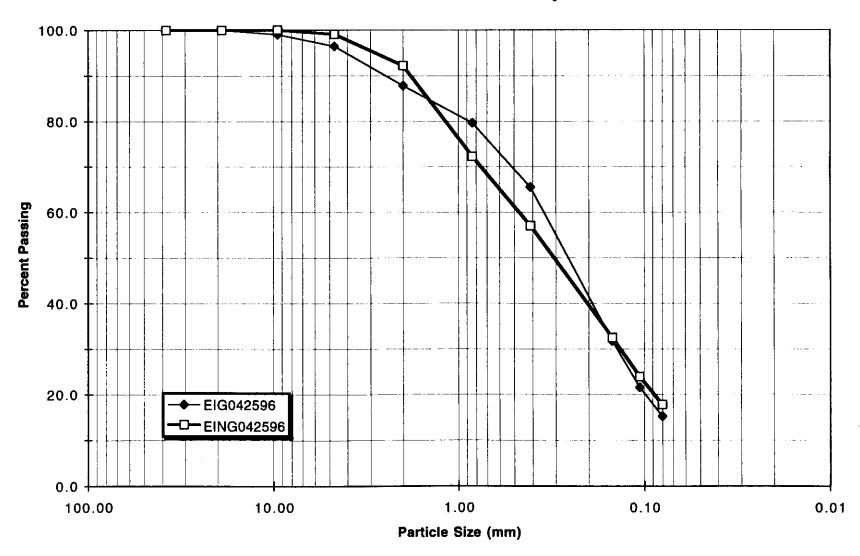


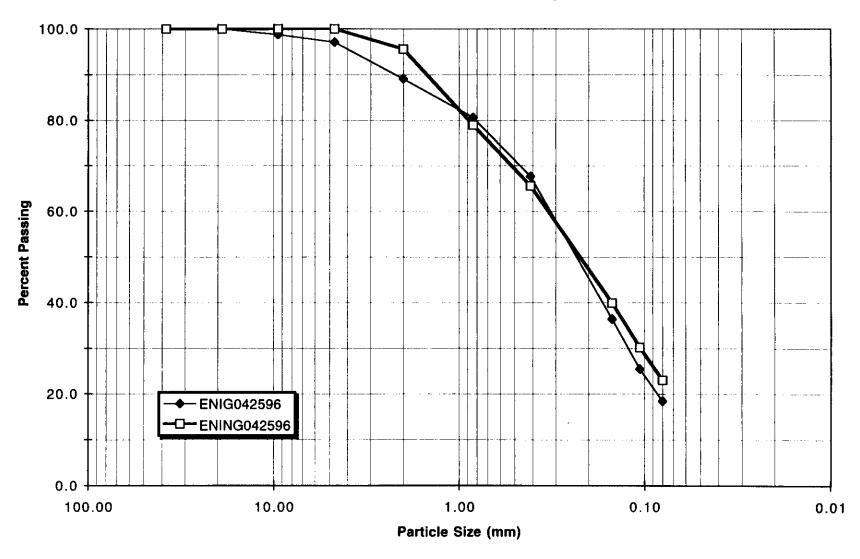


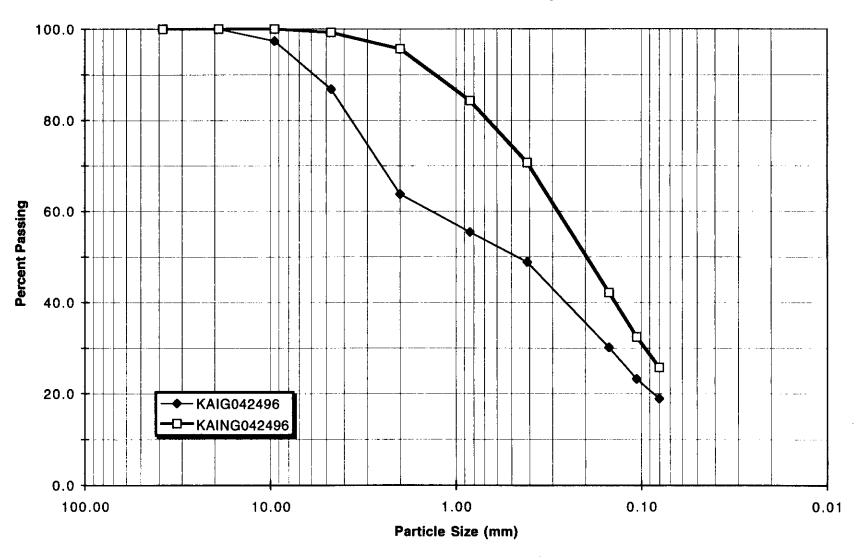


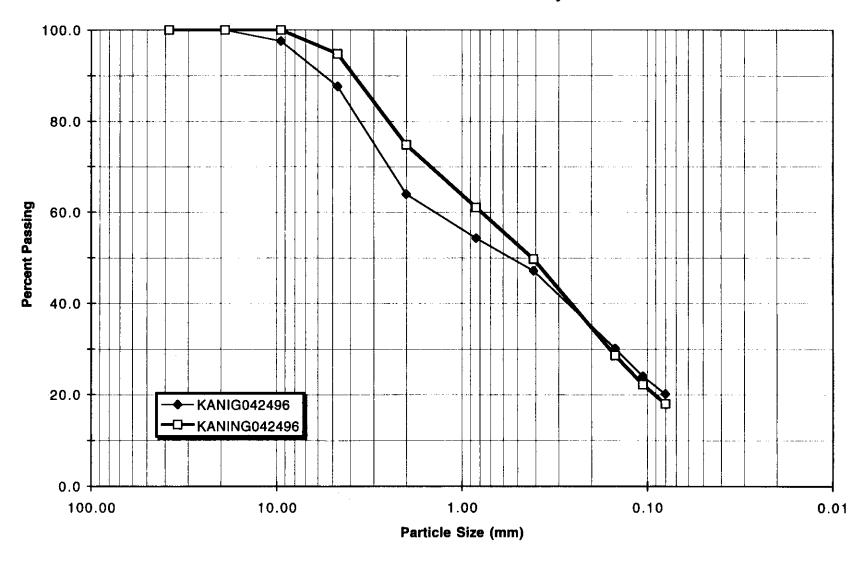


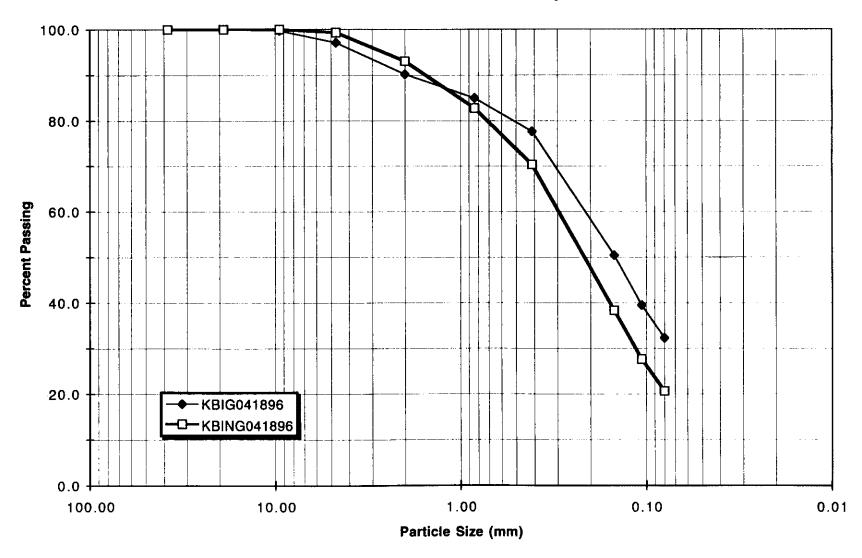


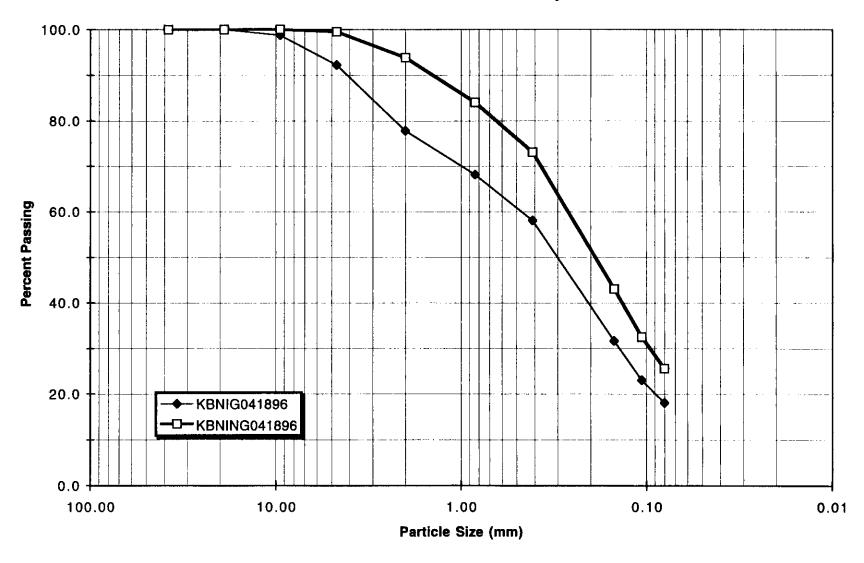


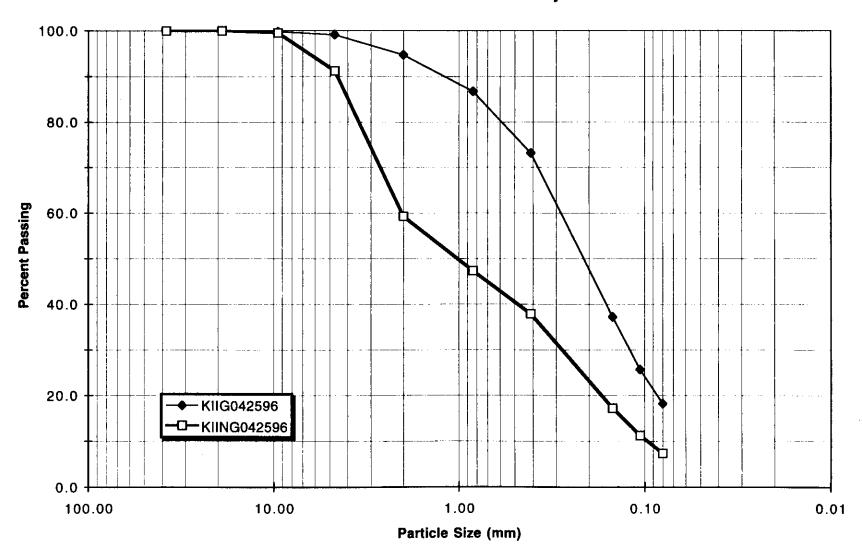


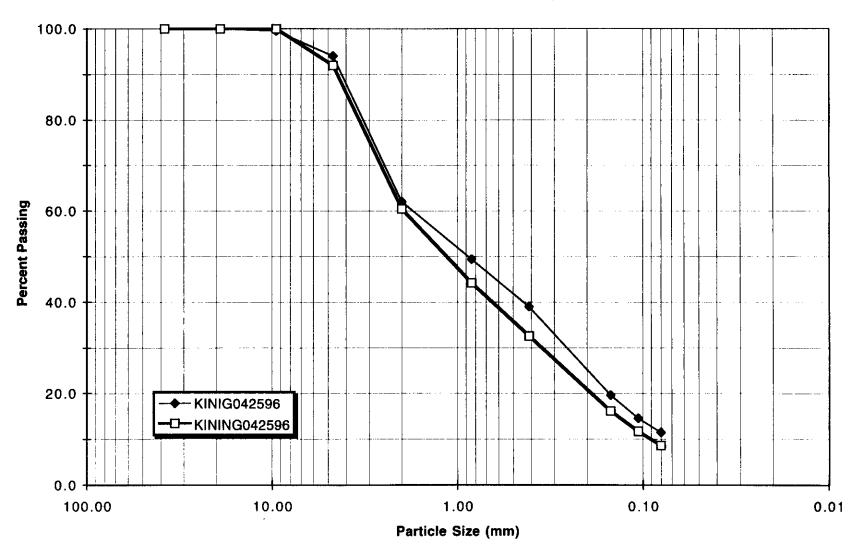


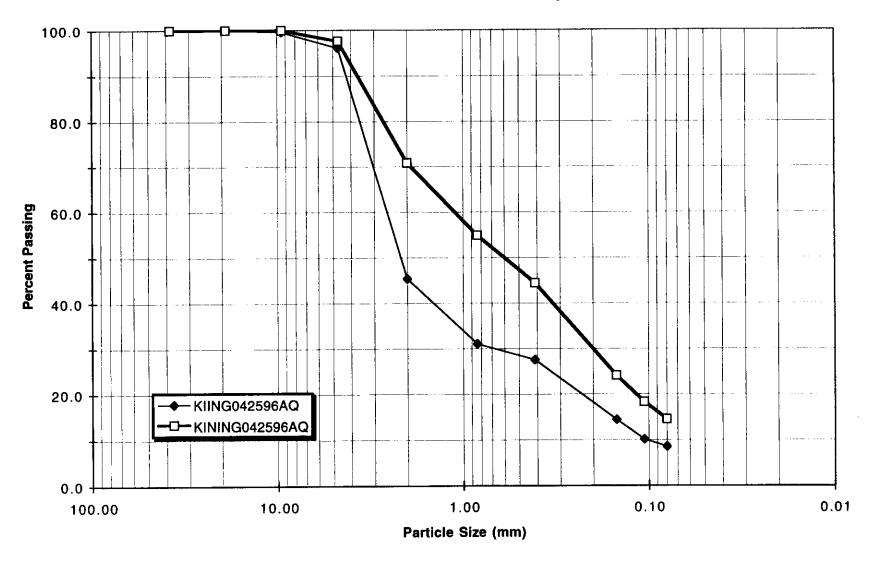


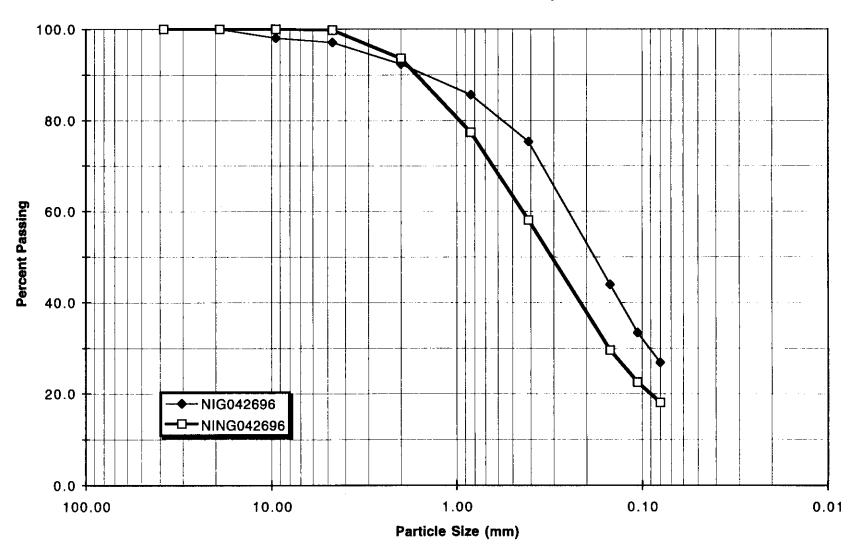


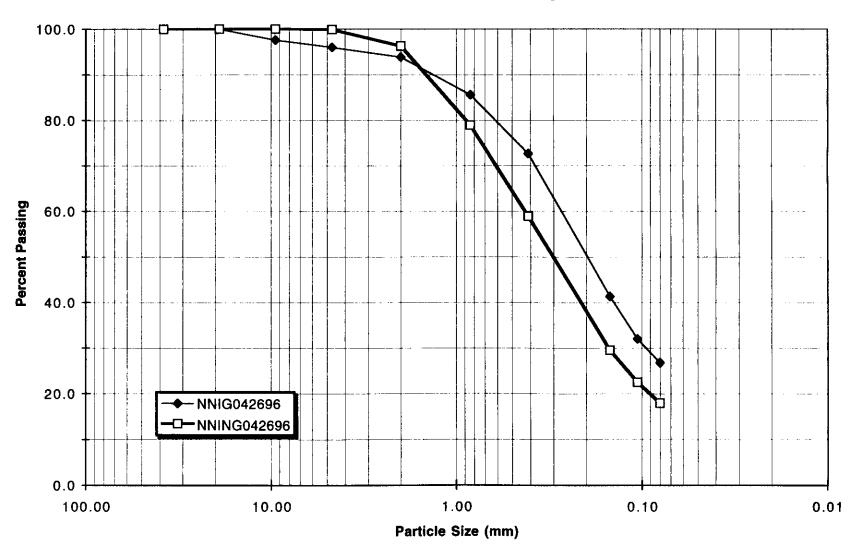


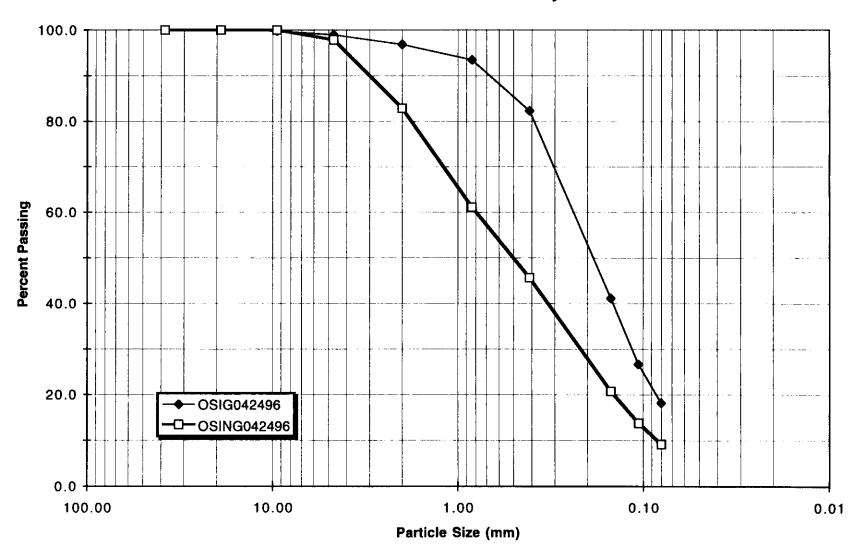


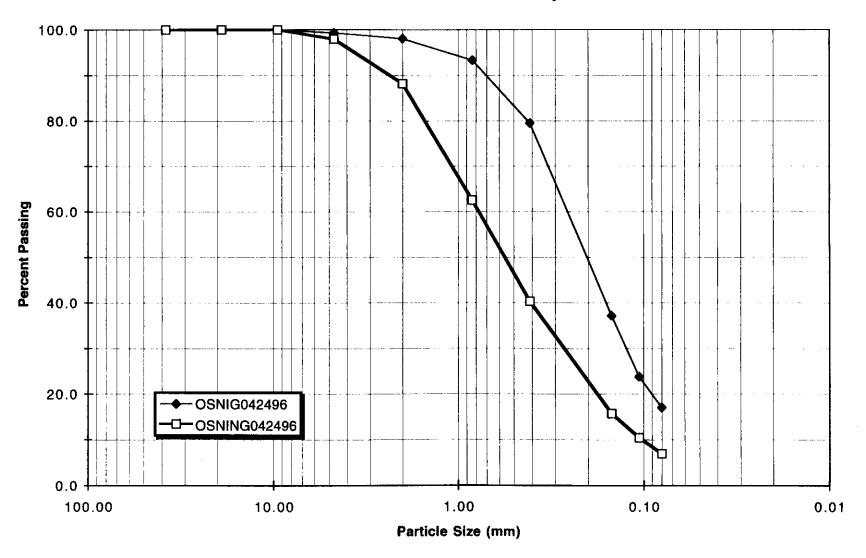


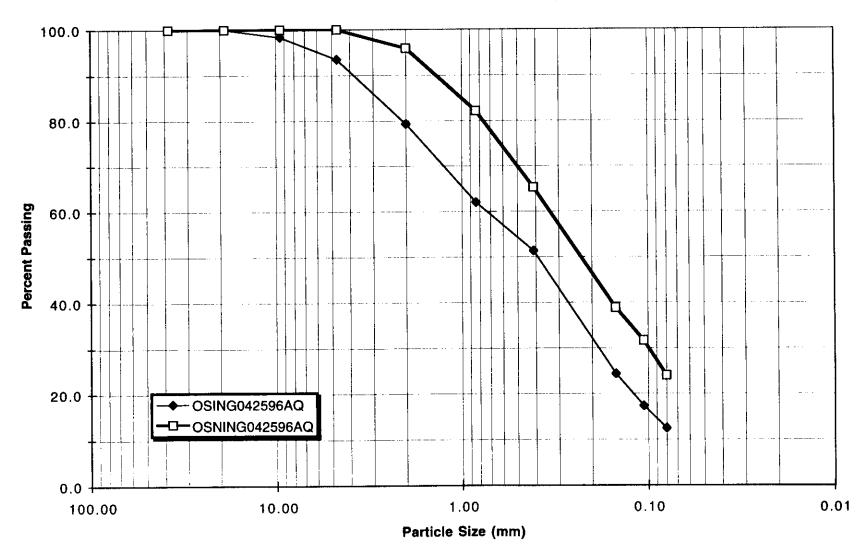


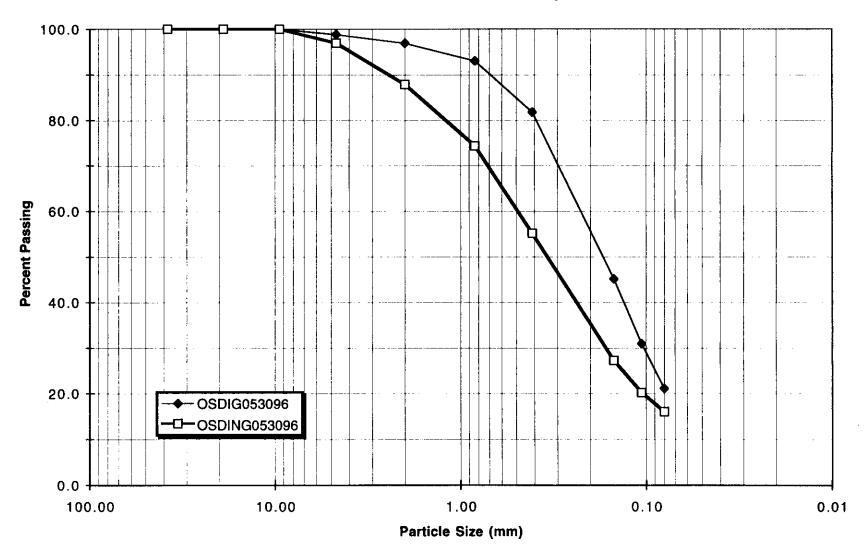


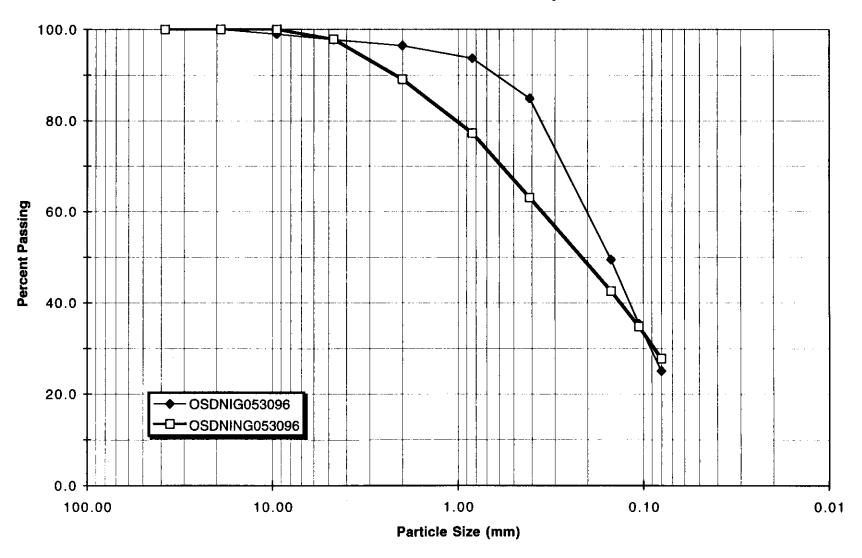


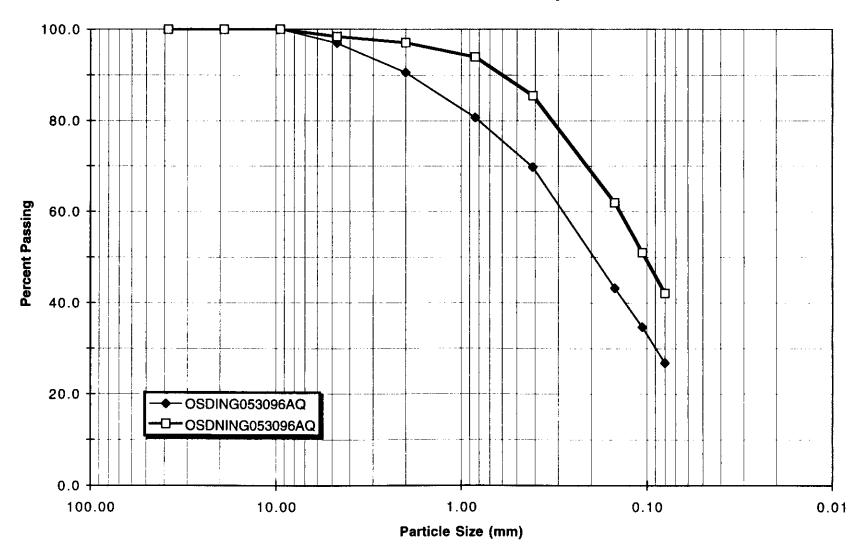


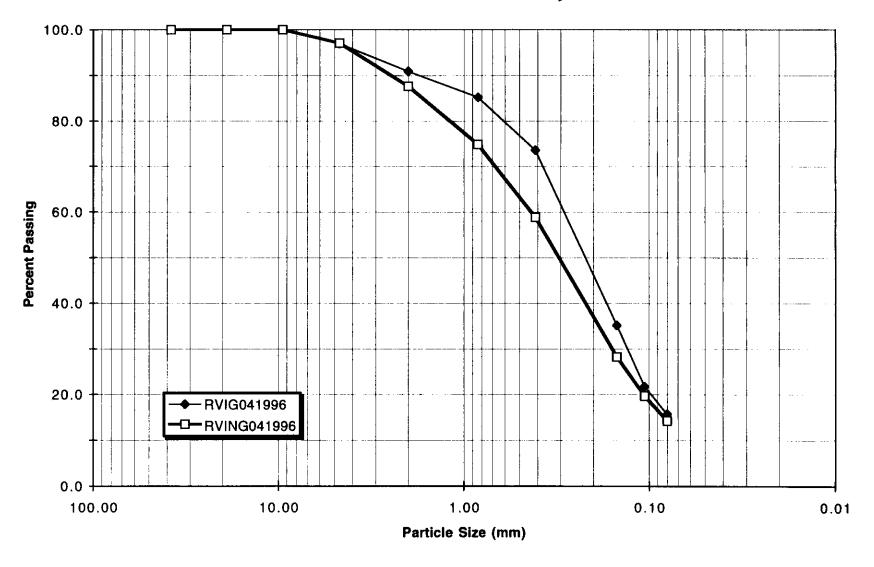


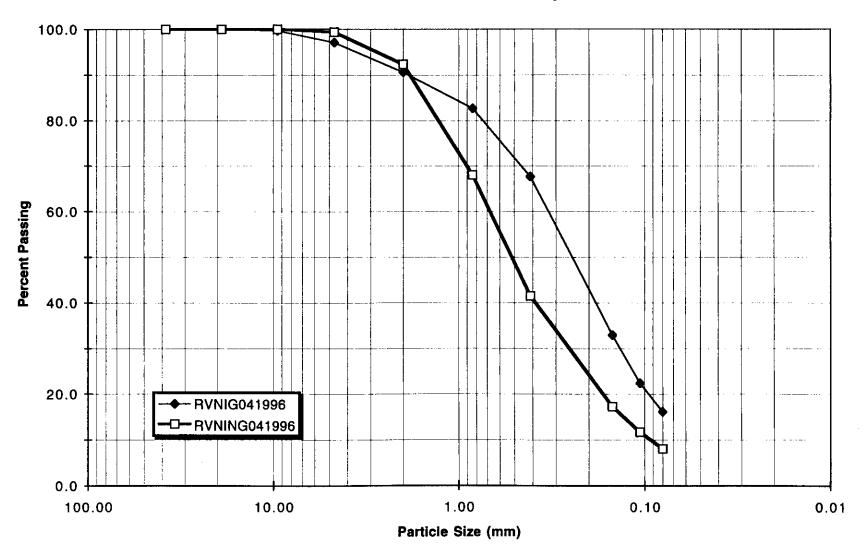




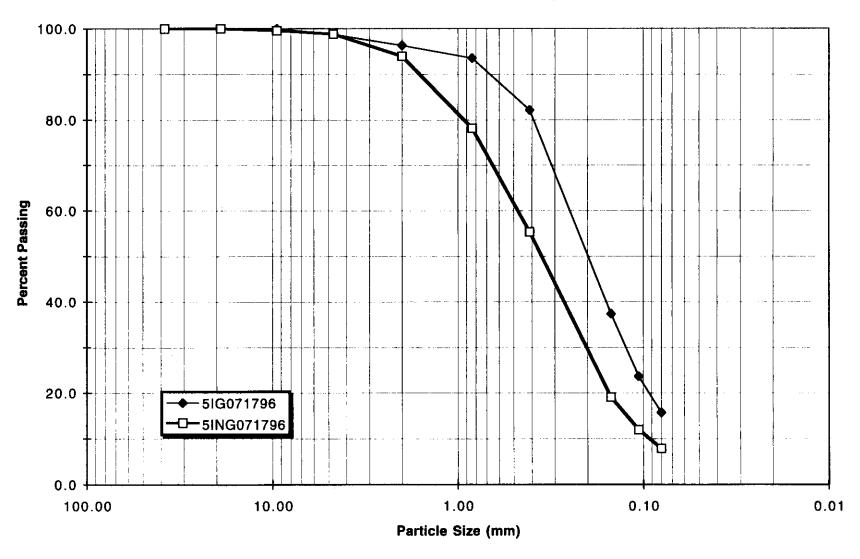


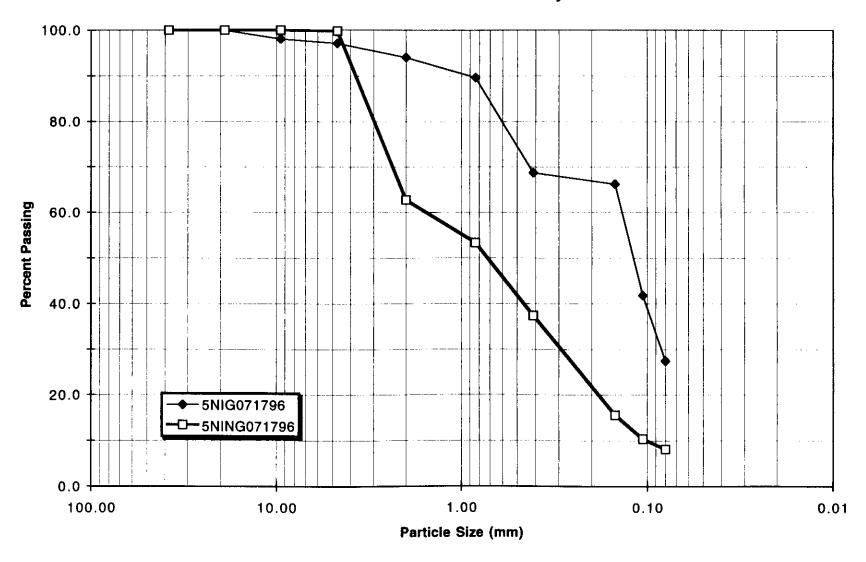


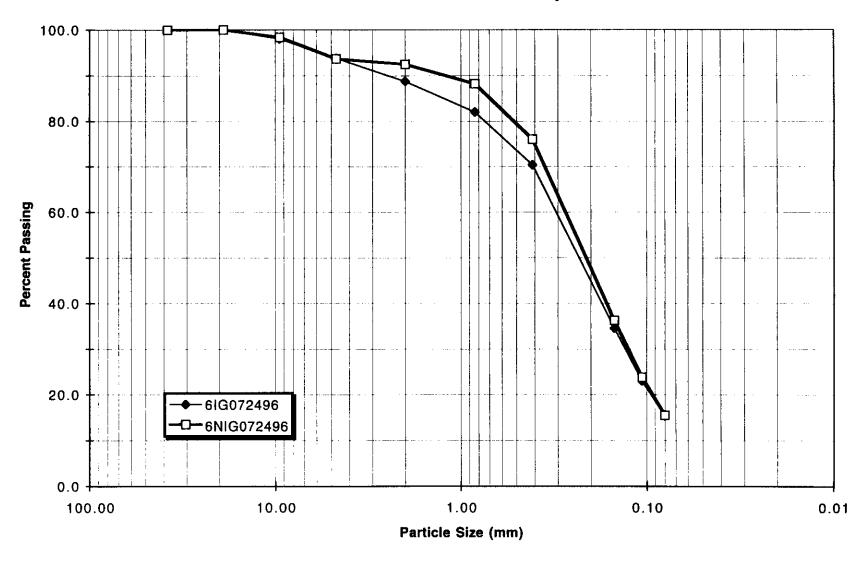


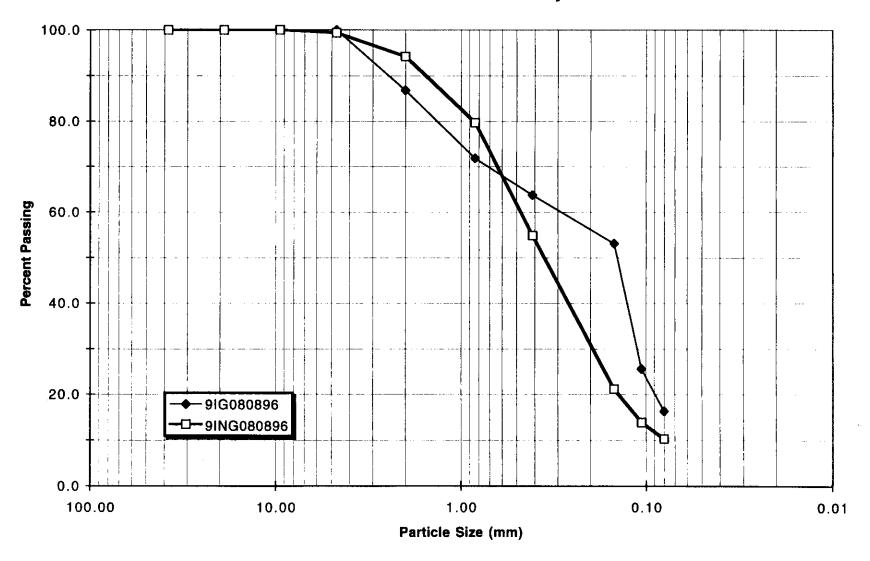


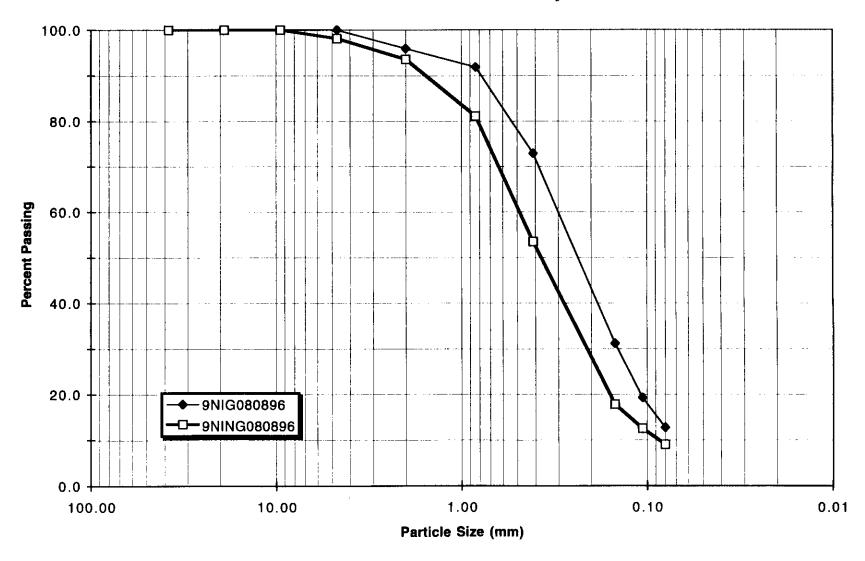
Round 3 Particle Size Distribution (Sieve Analy	sis) Plots

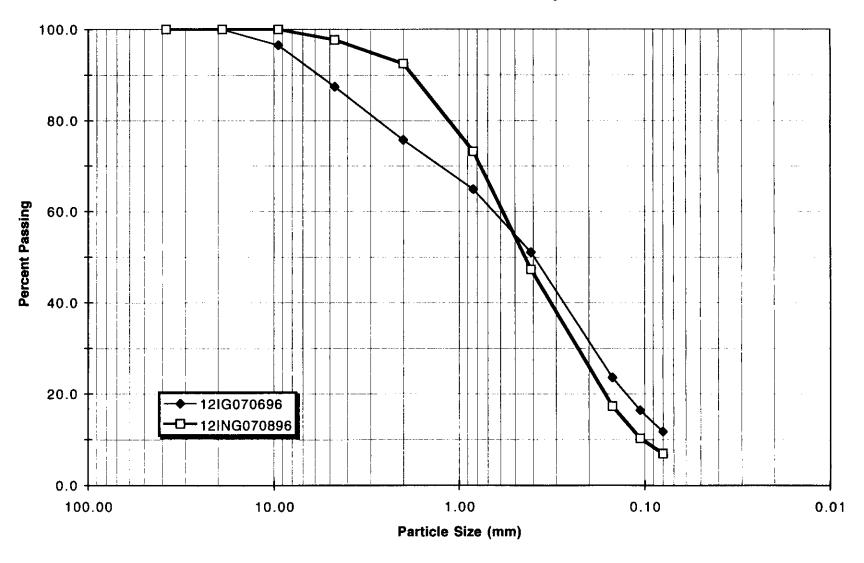


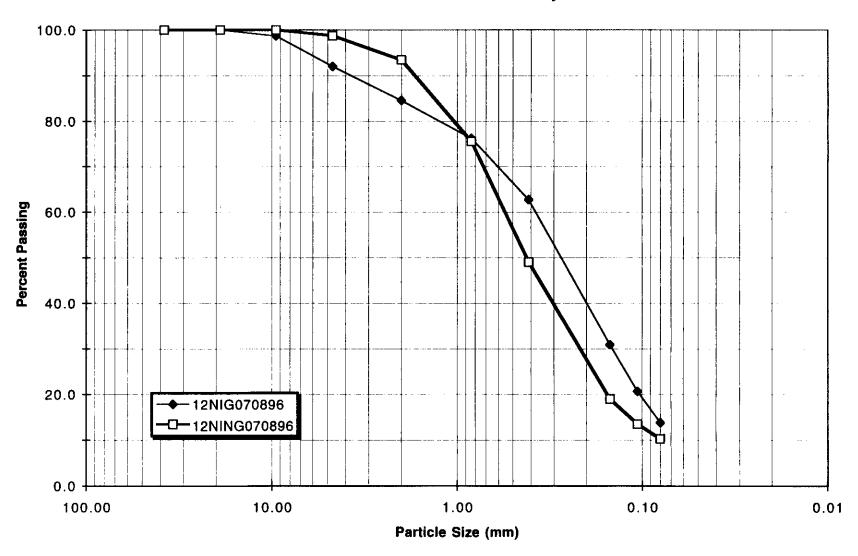


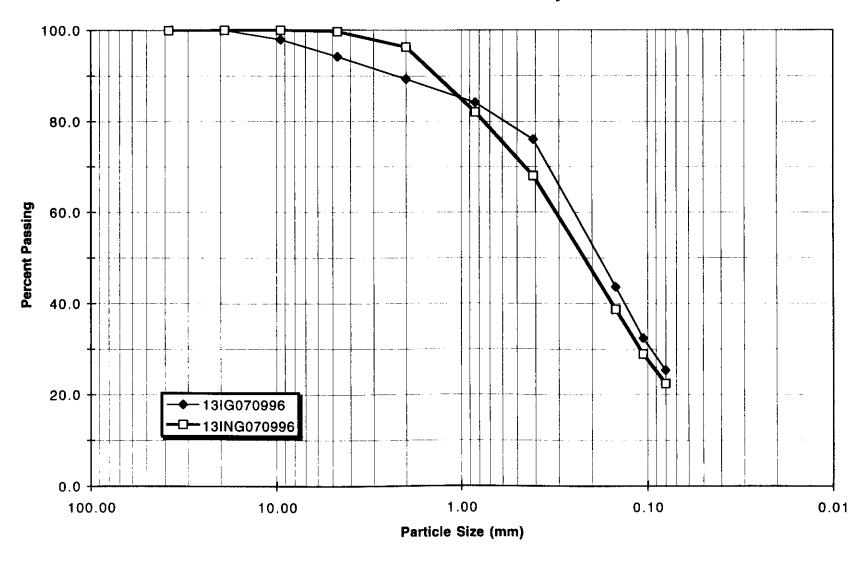


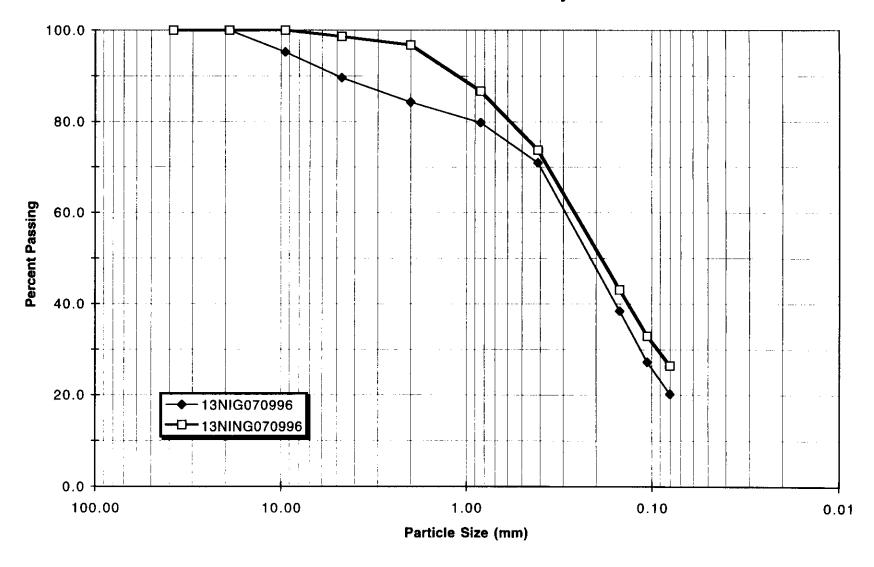


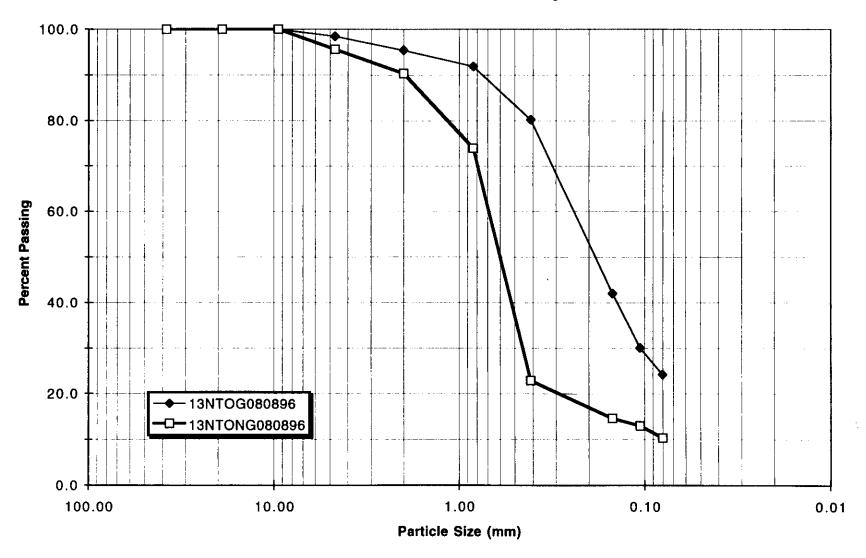


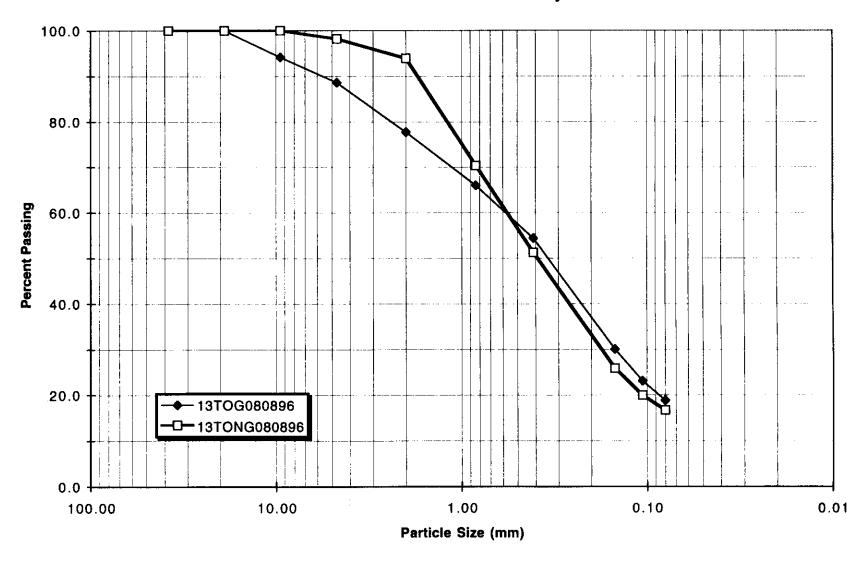


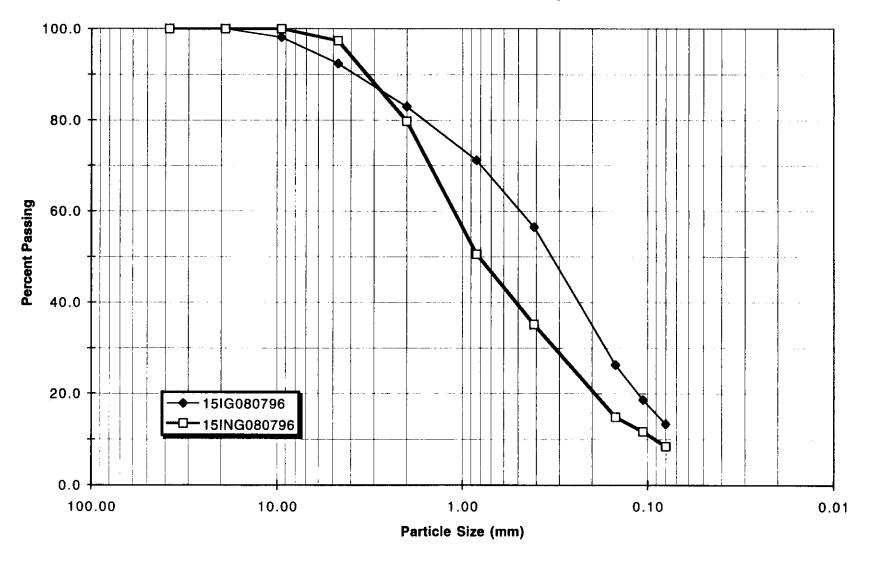


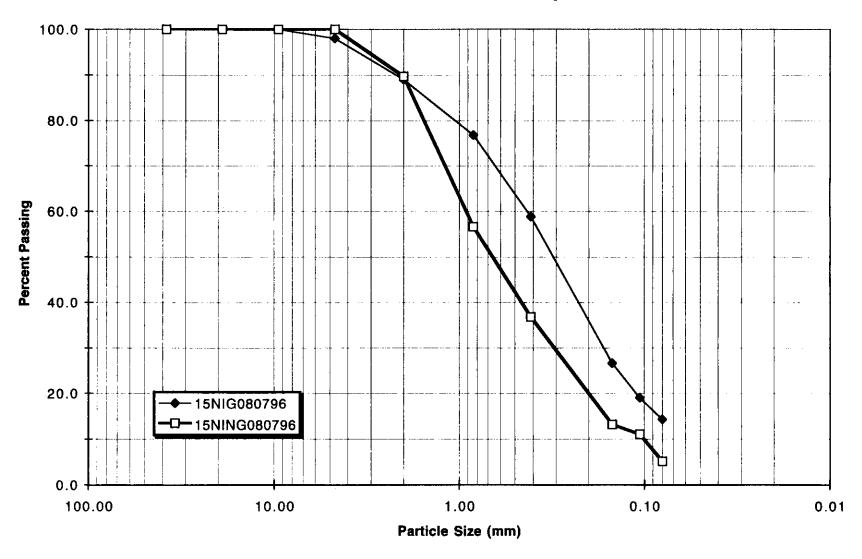


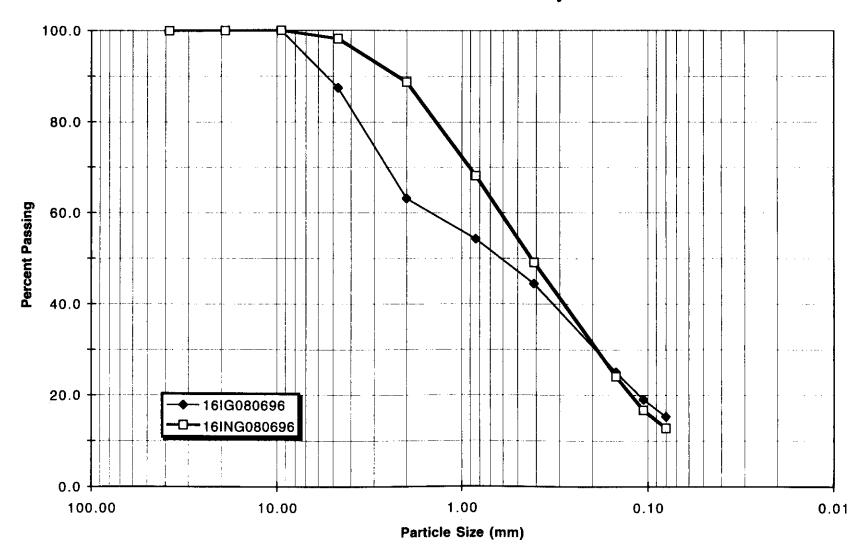


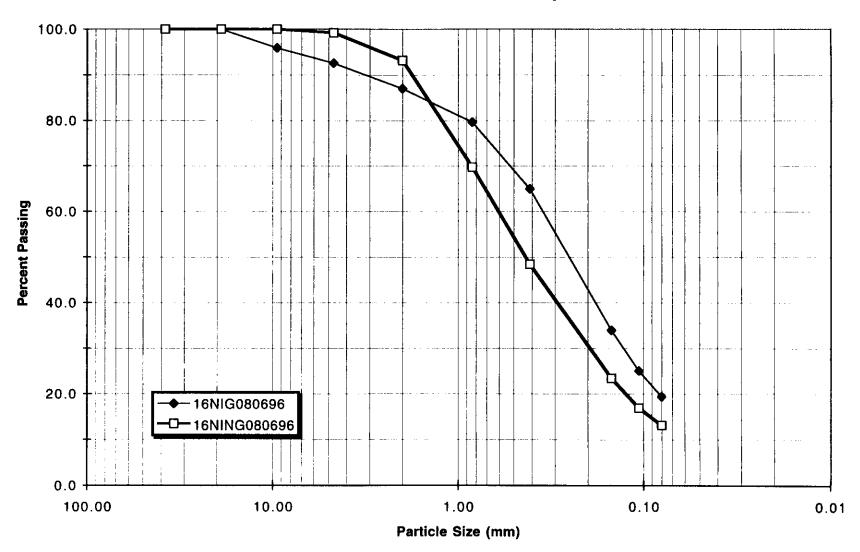


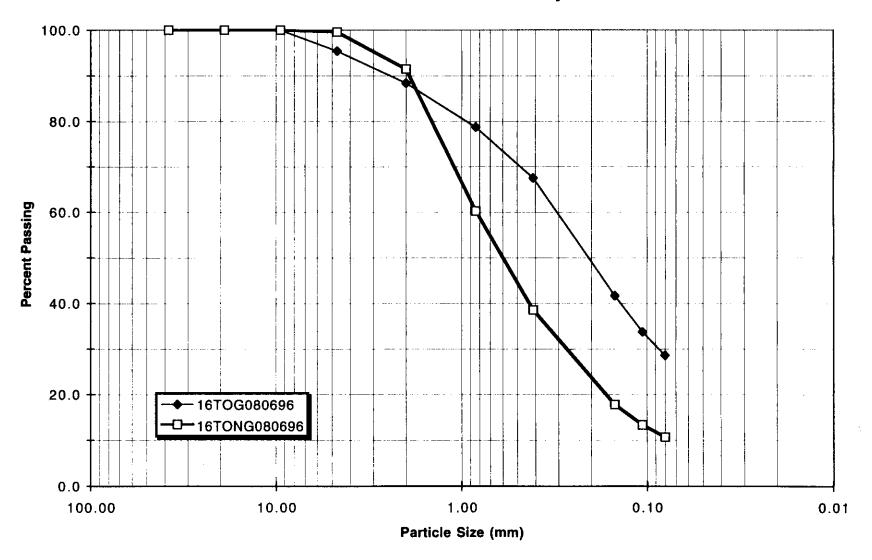


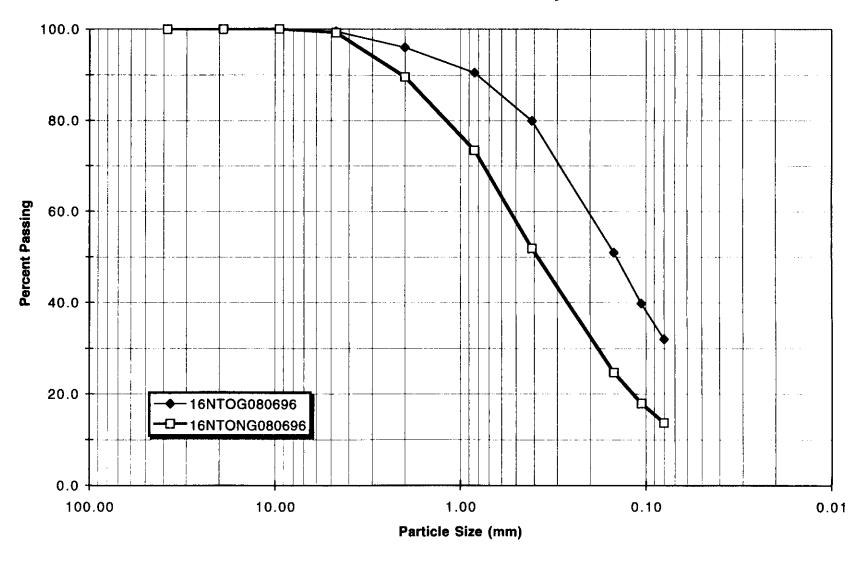


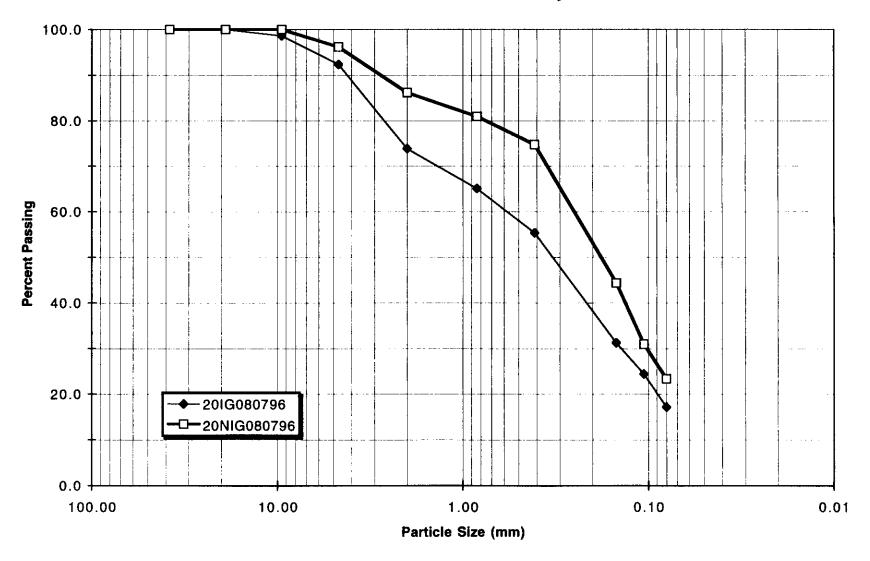


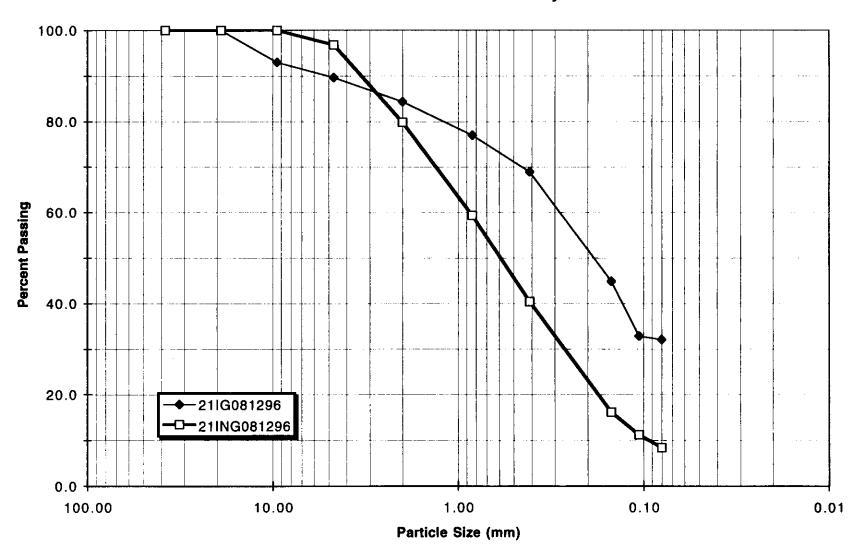


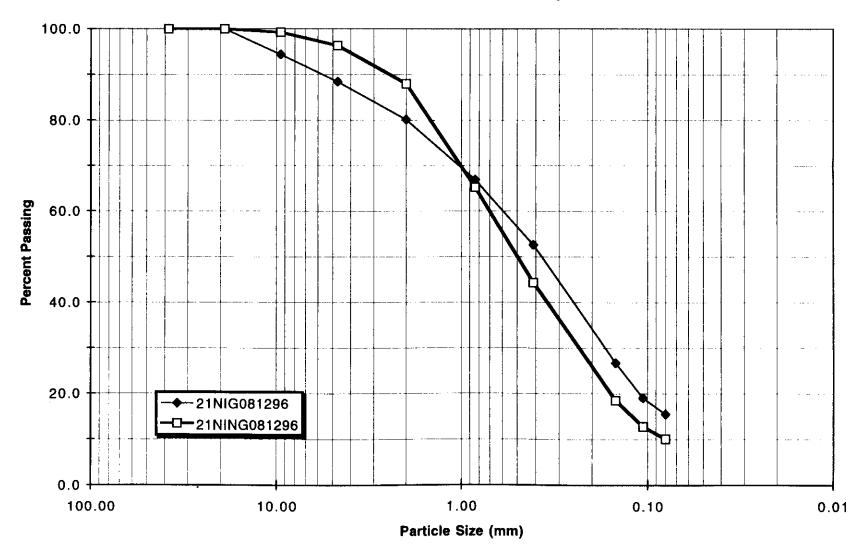


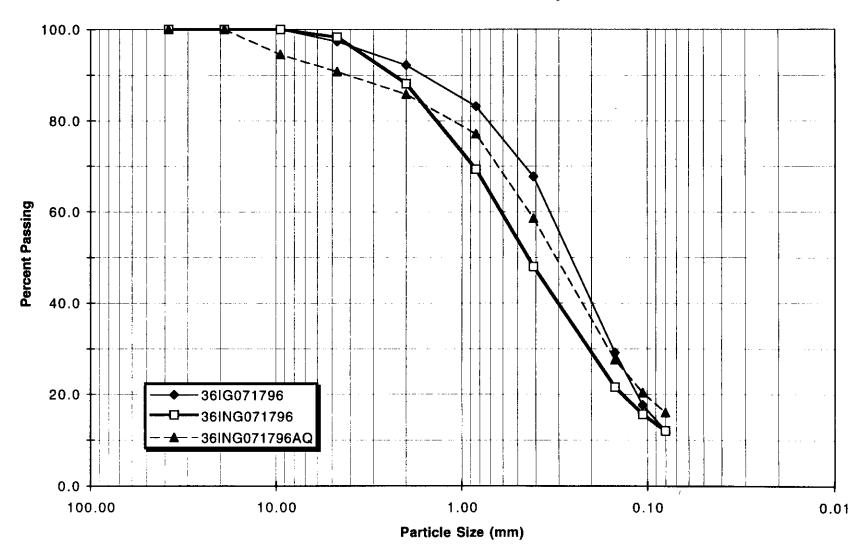


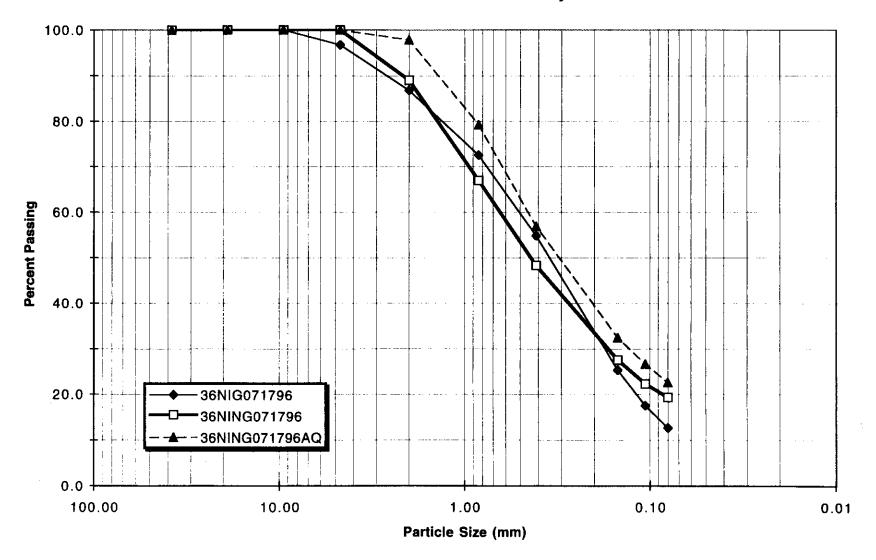


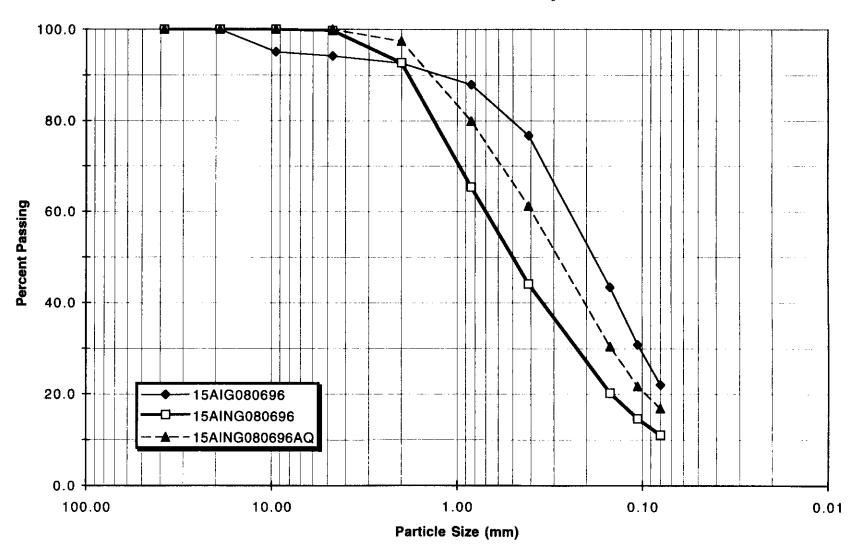


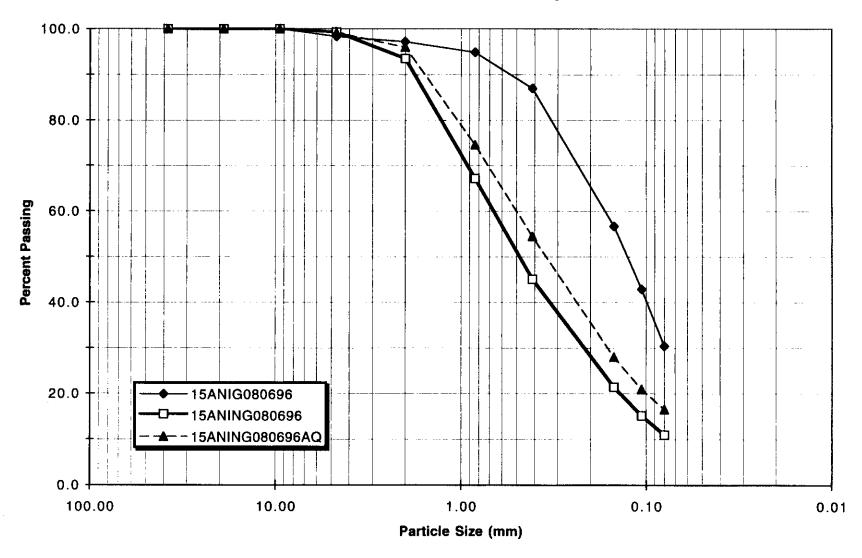


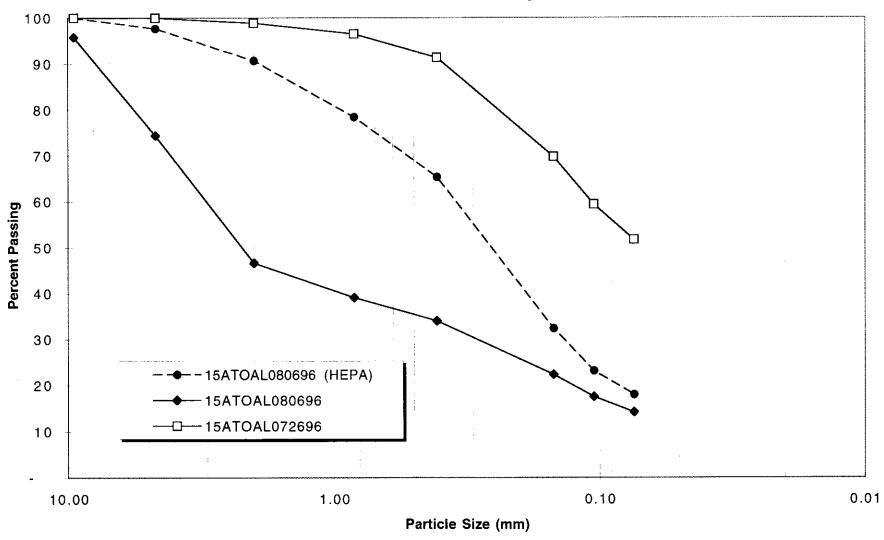


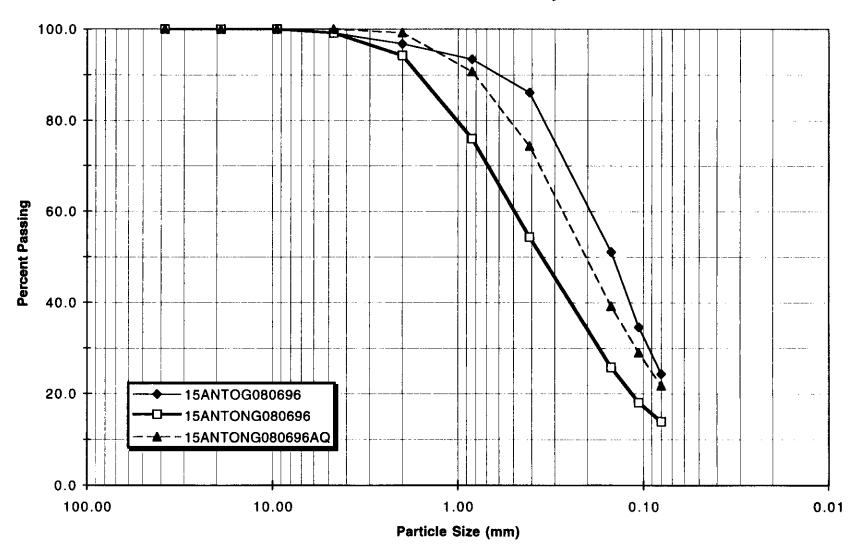


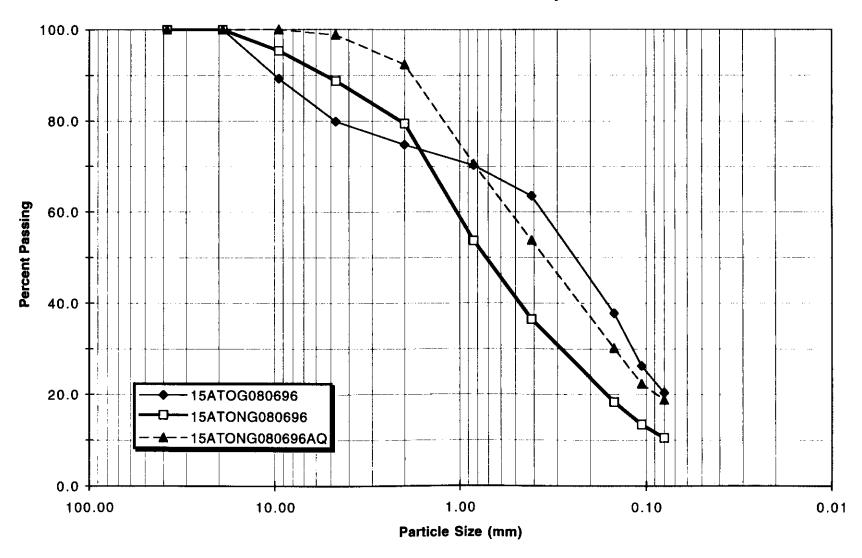


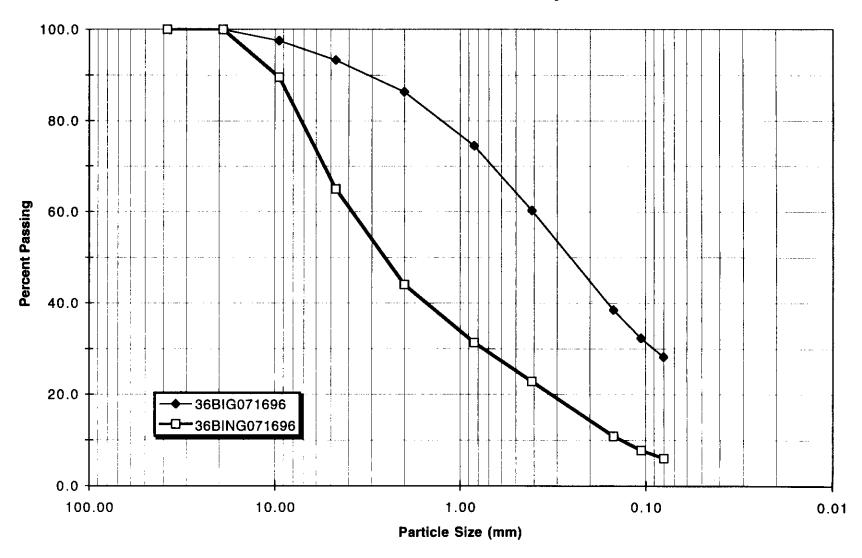


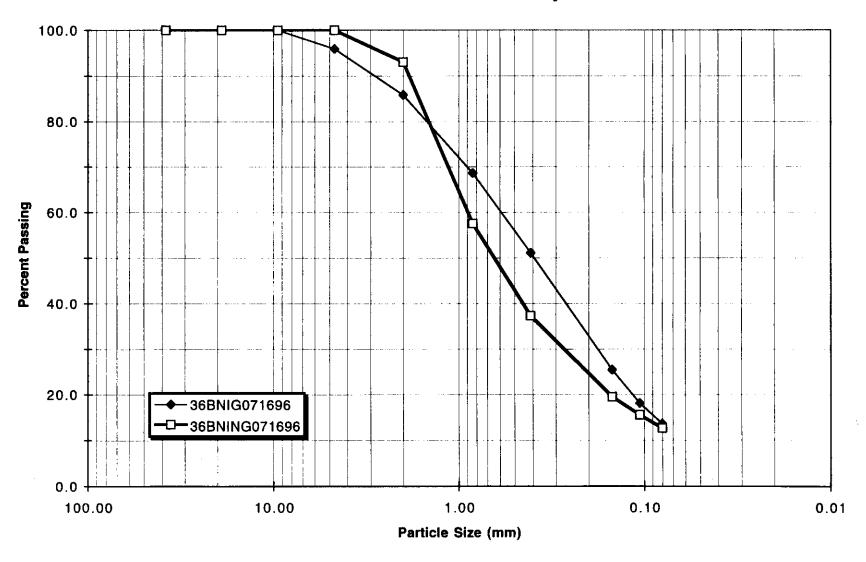


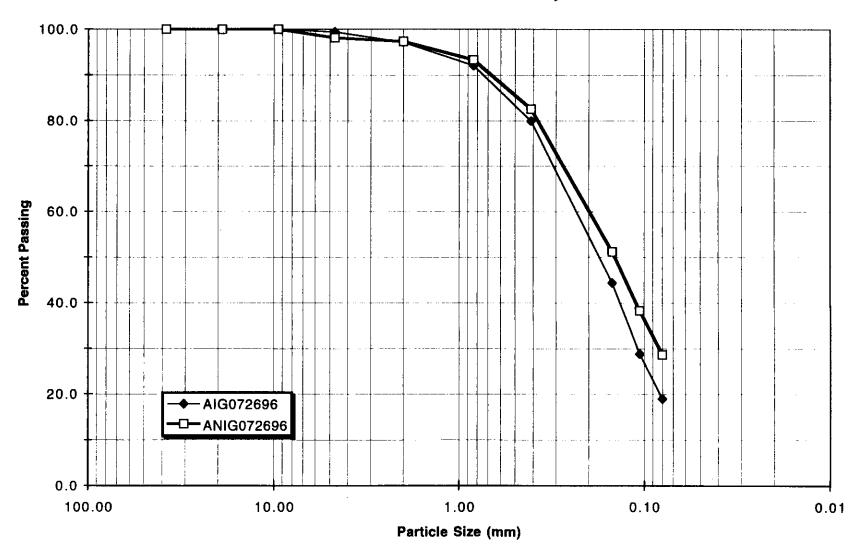


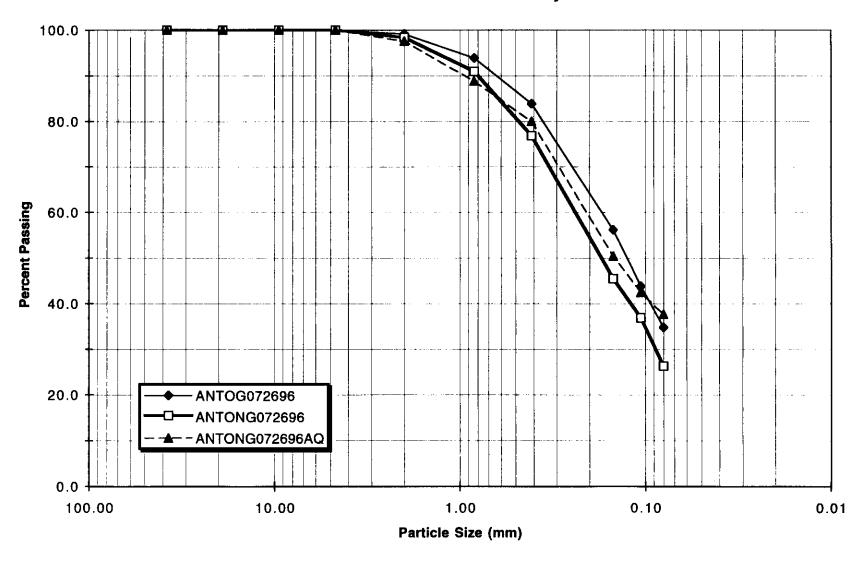


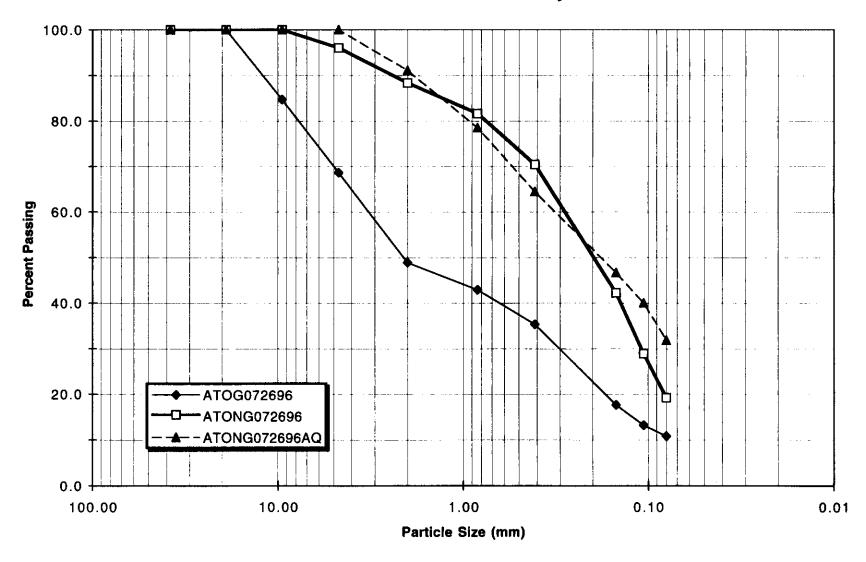


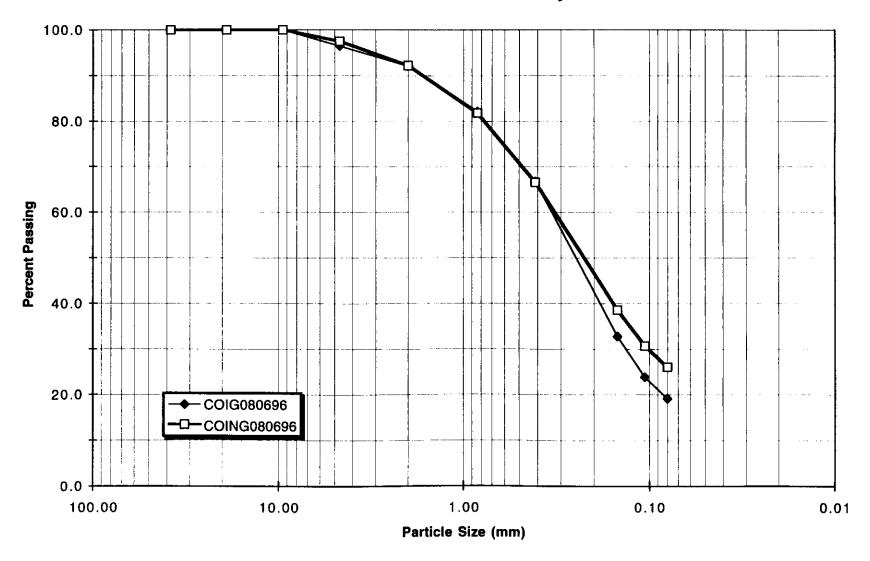


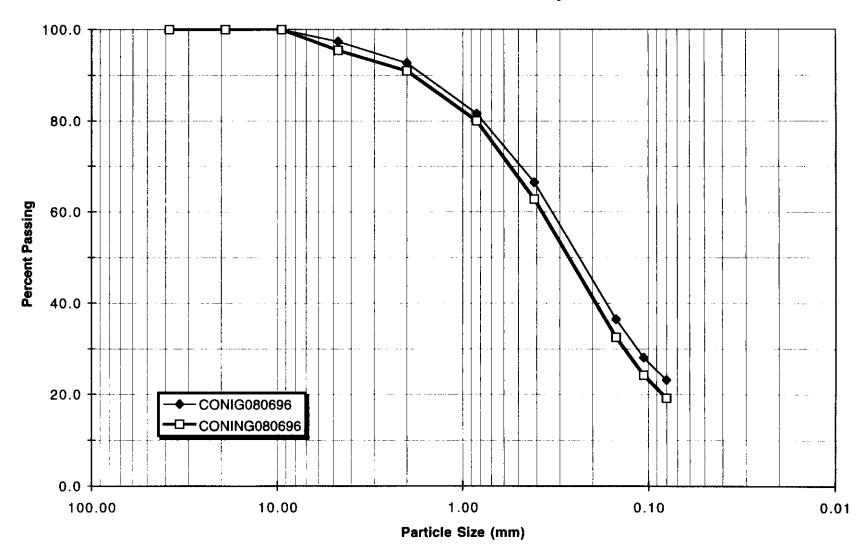


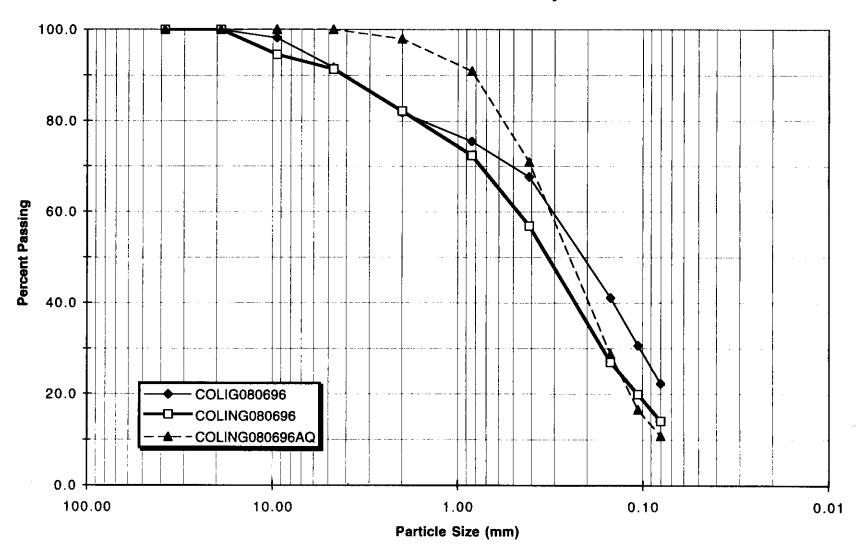


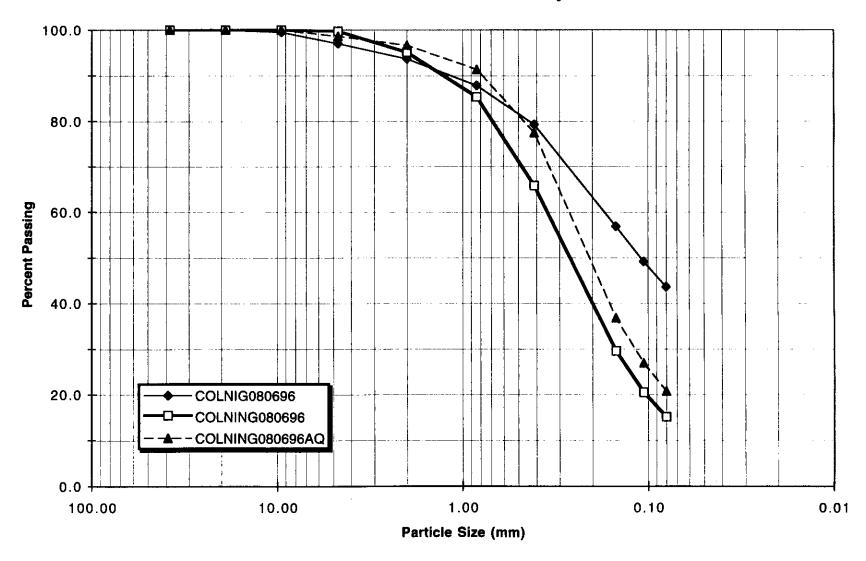


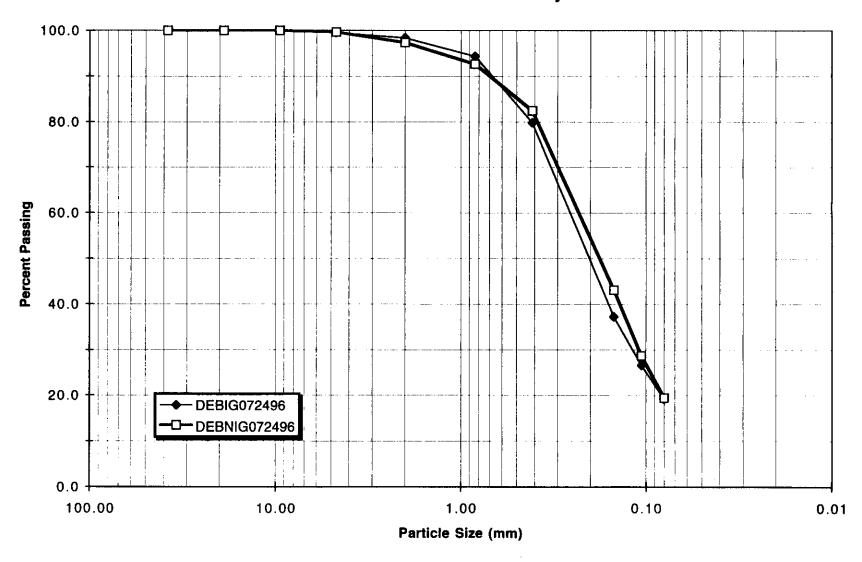


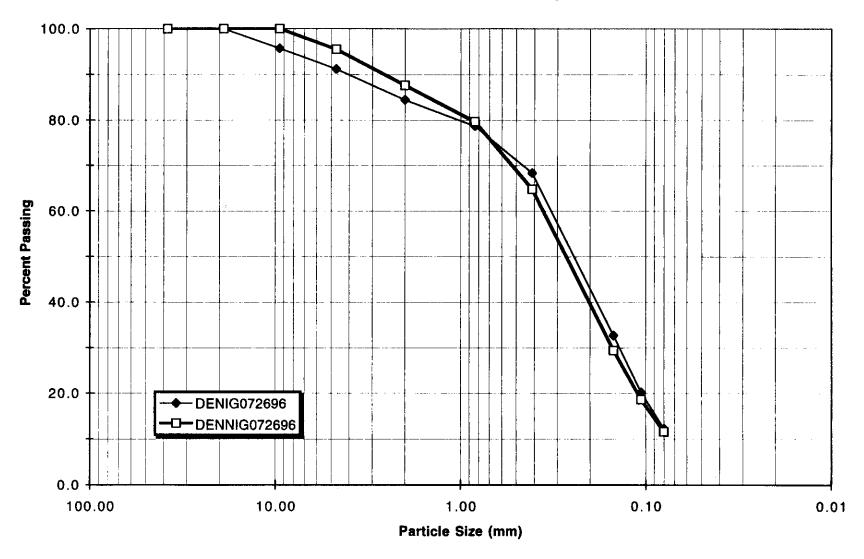


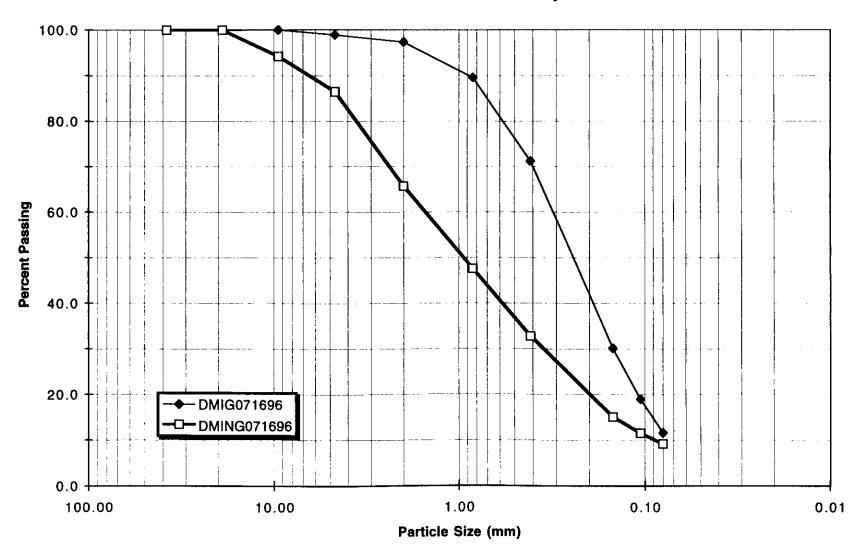


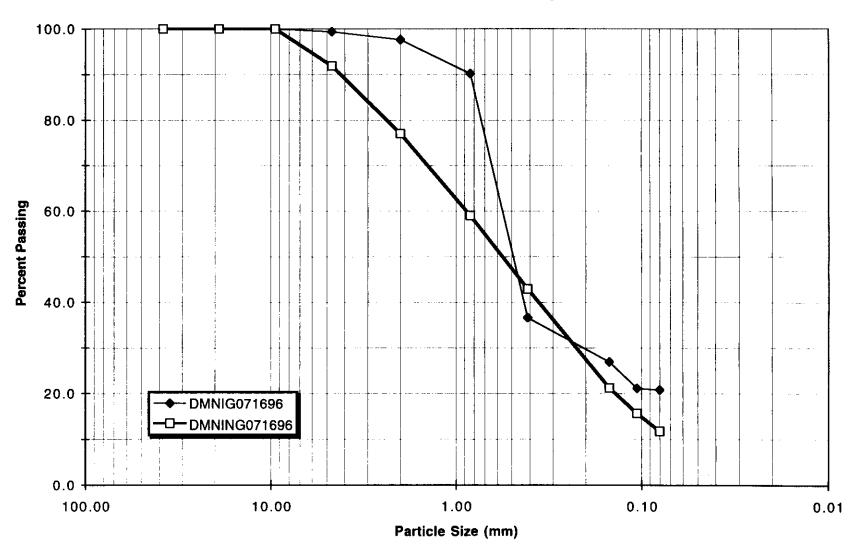


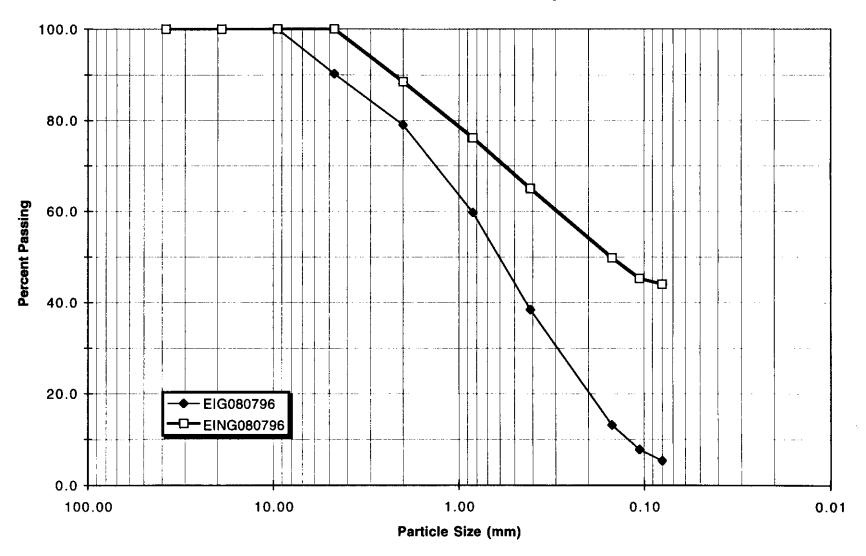


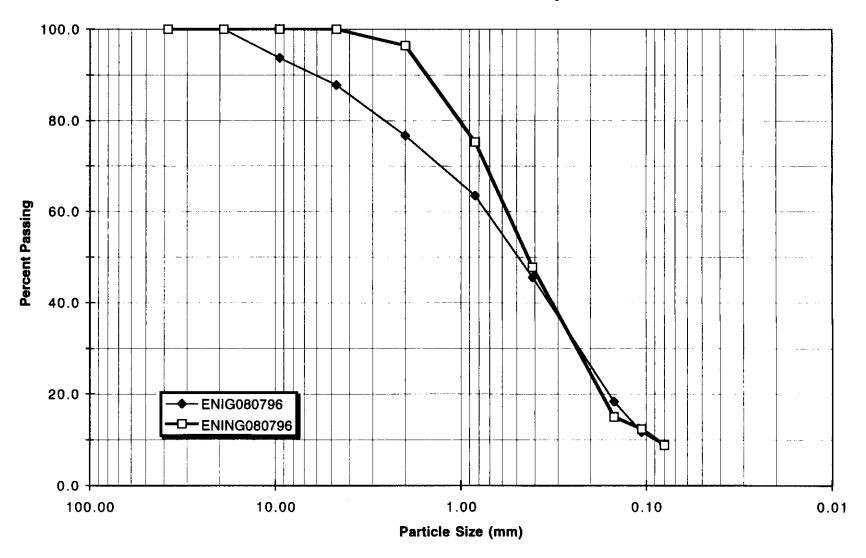


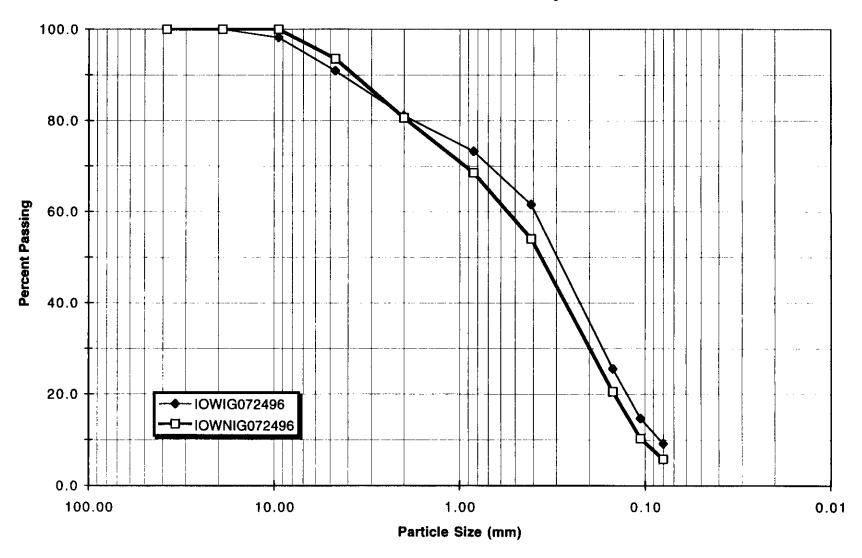


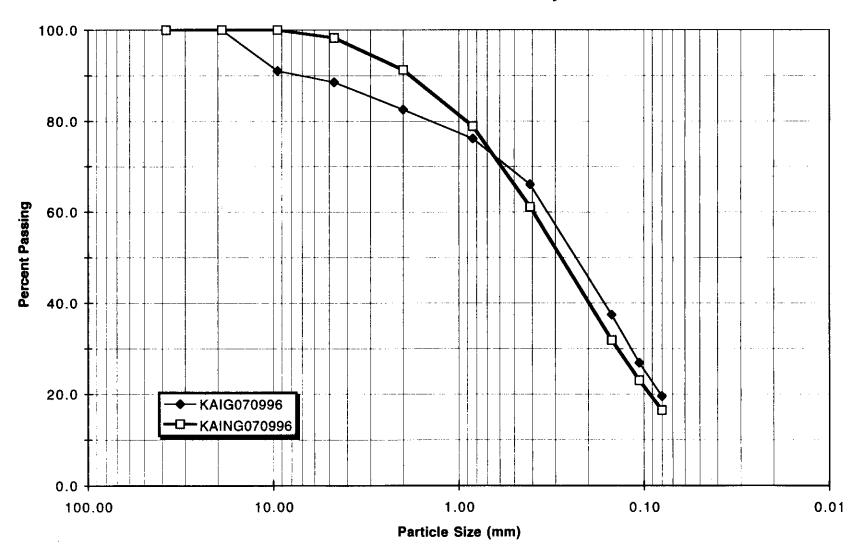


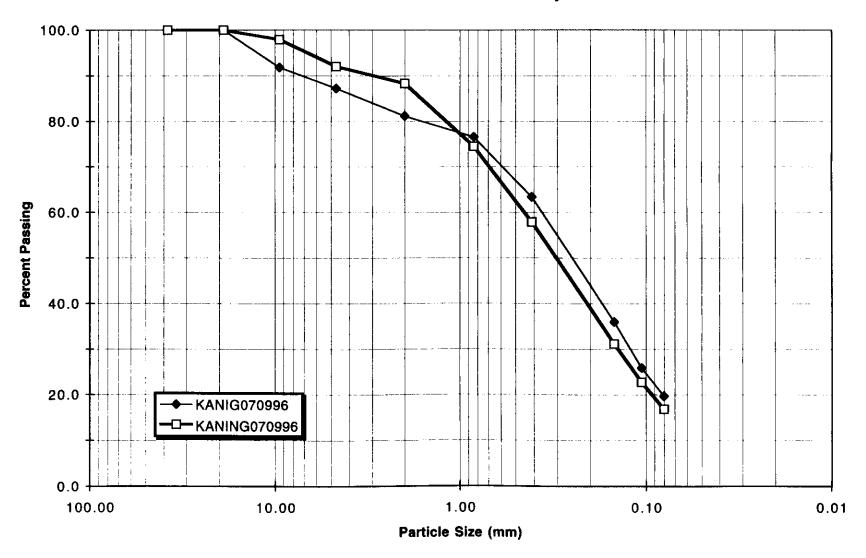


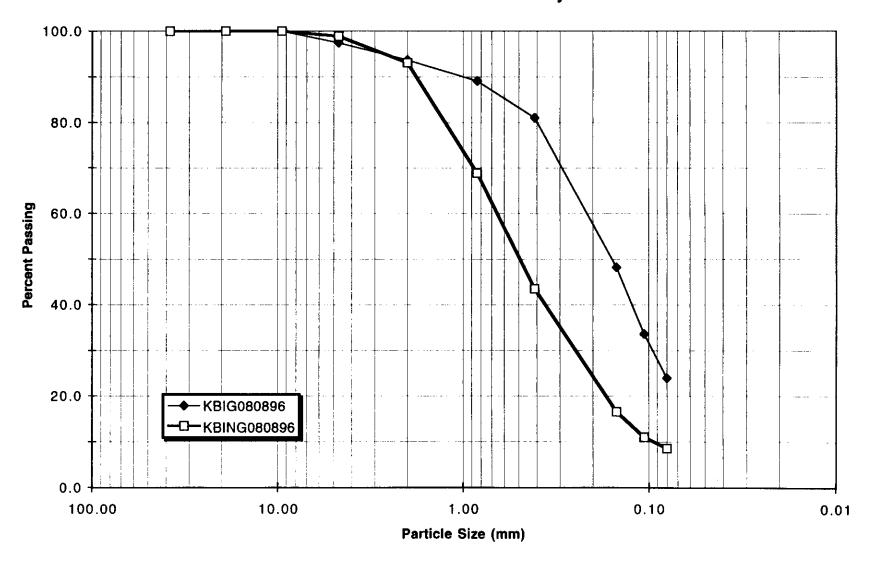


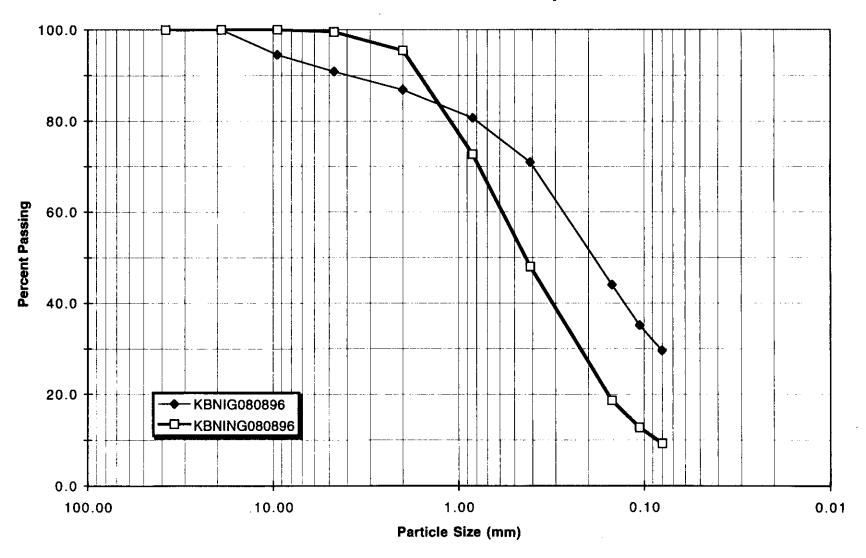


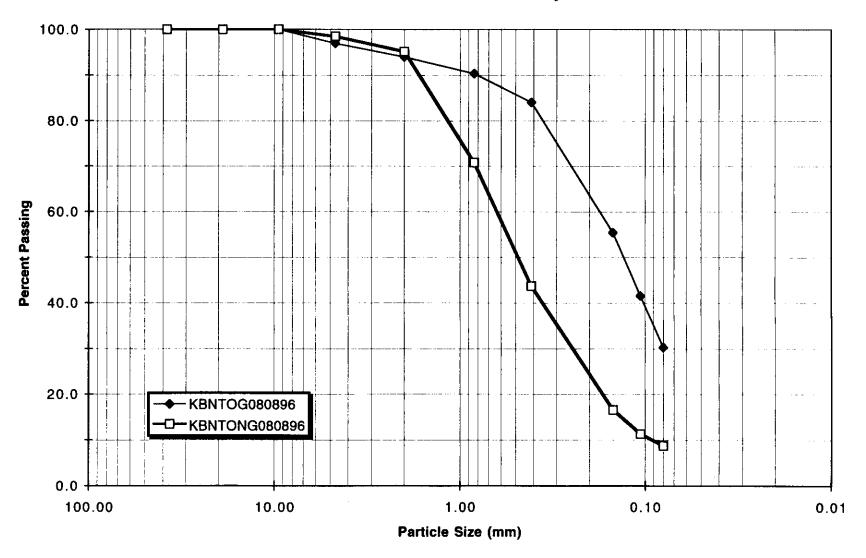


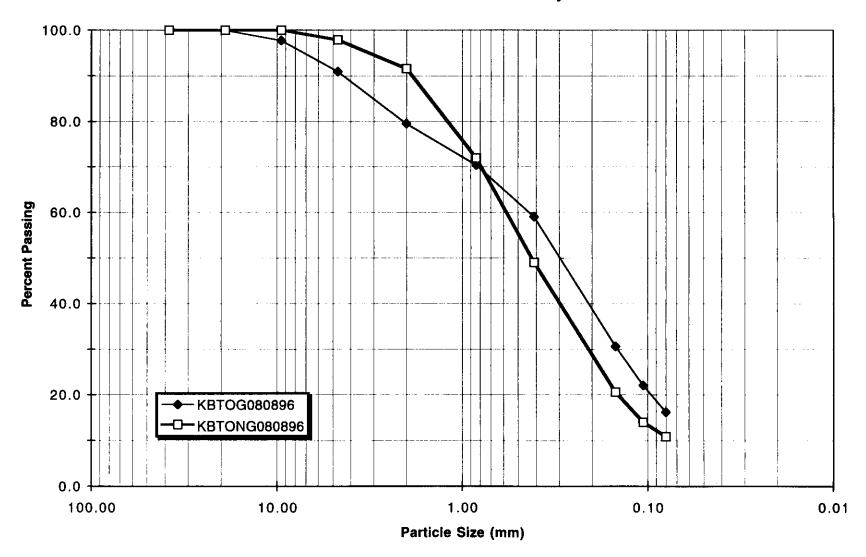


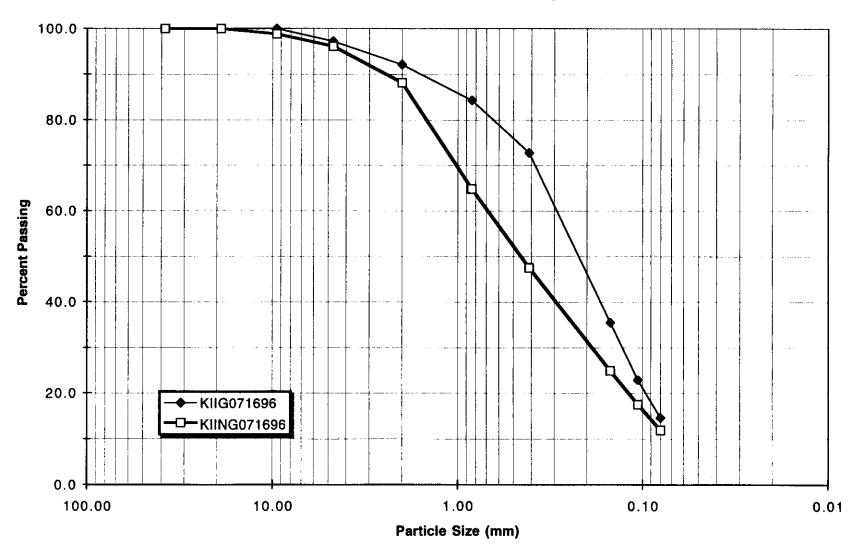


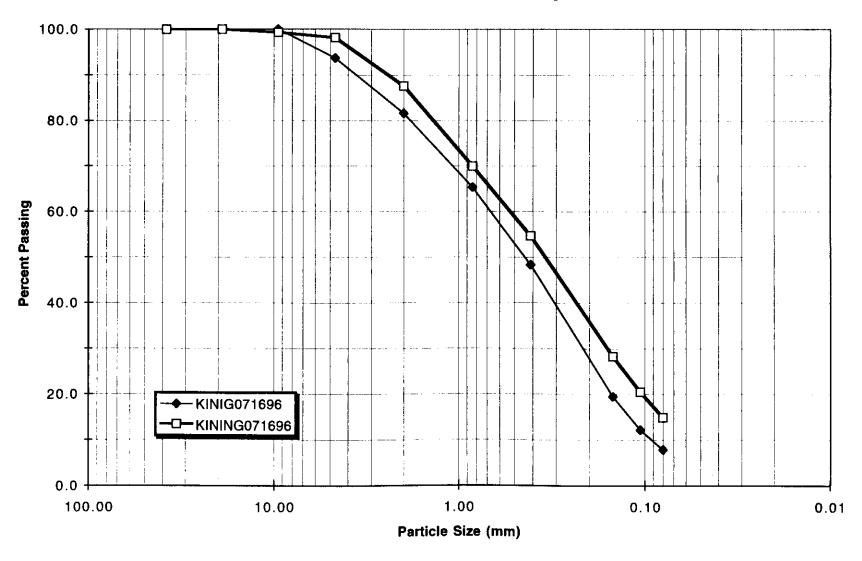


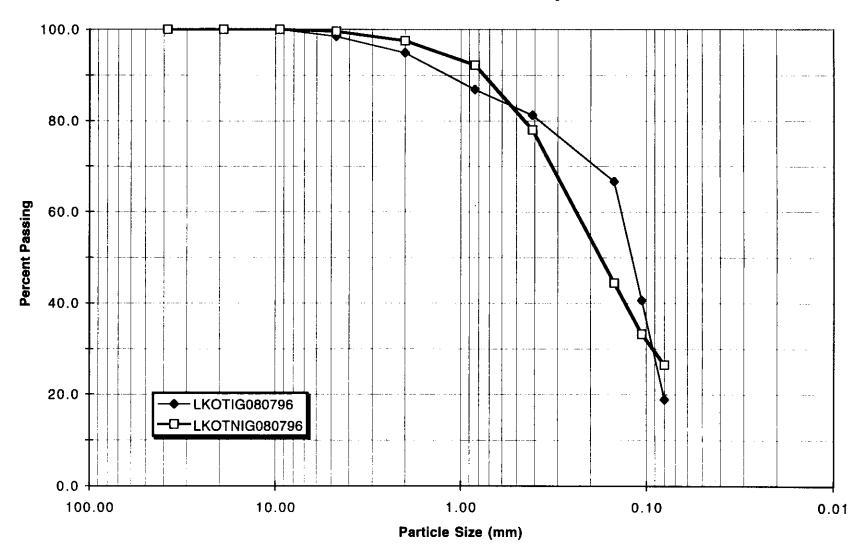


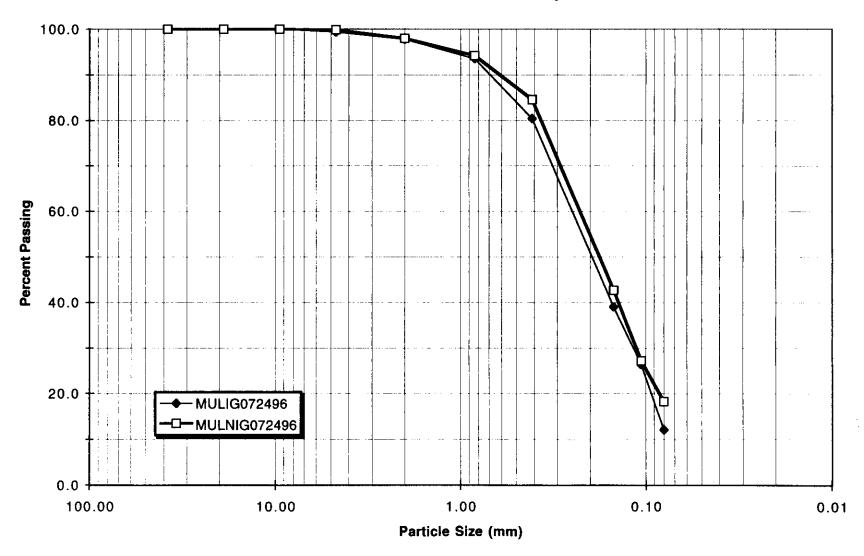


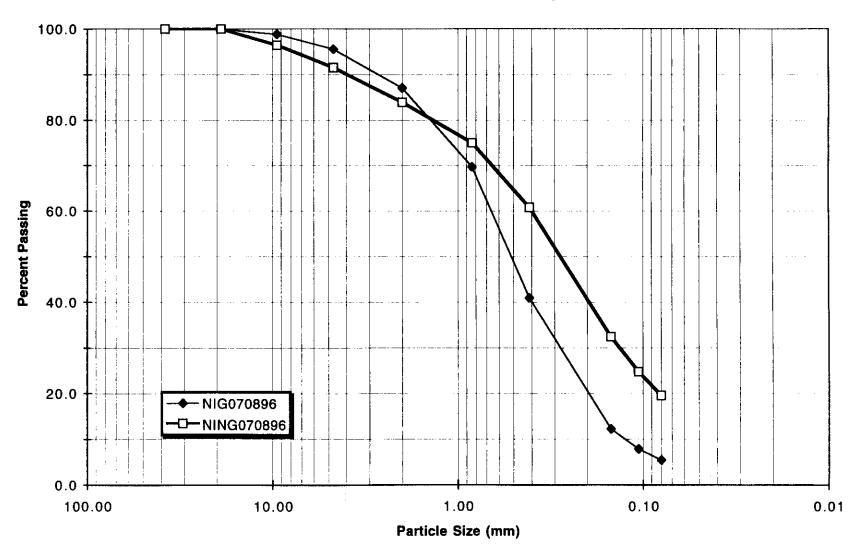


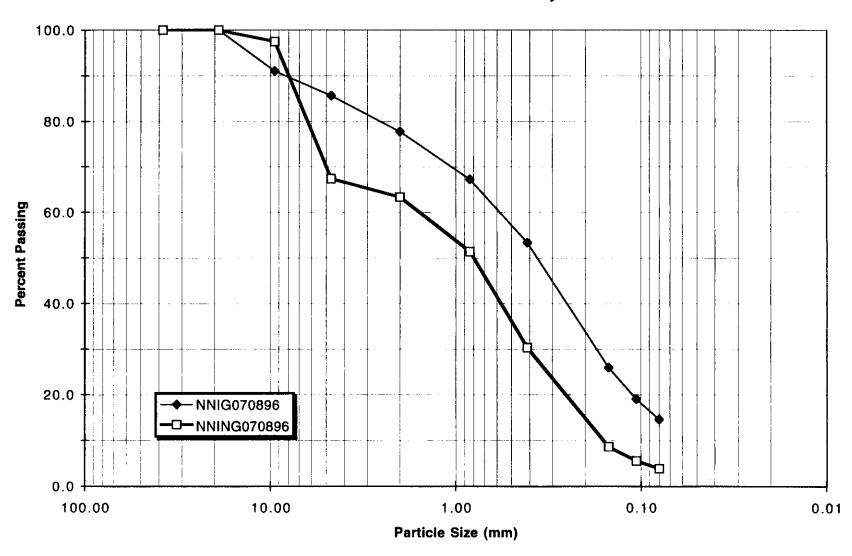


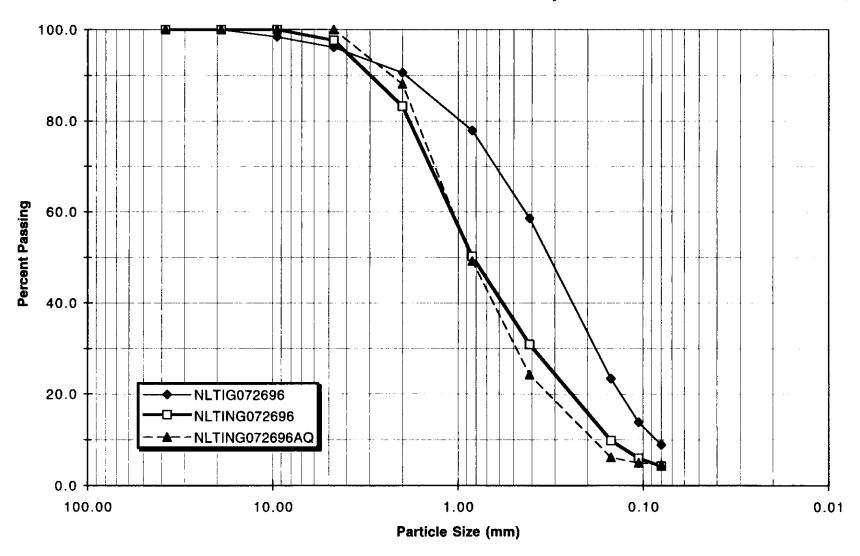


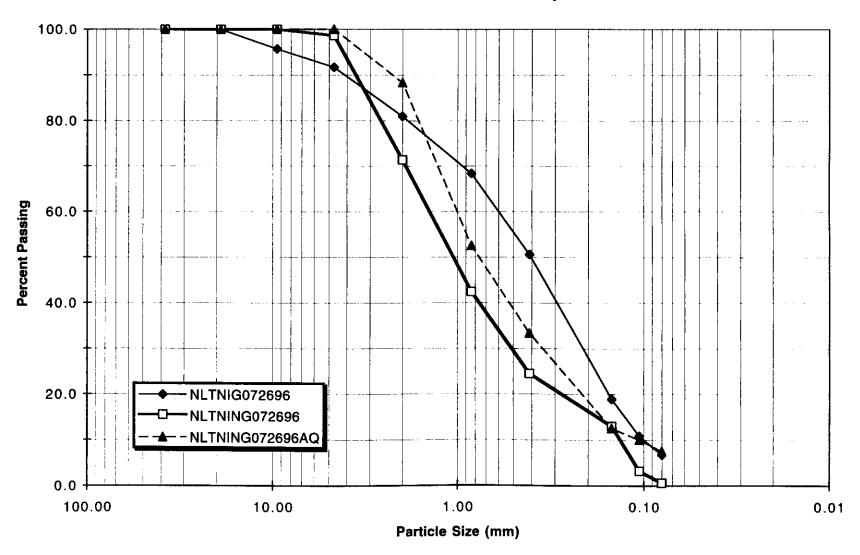


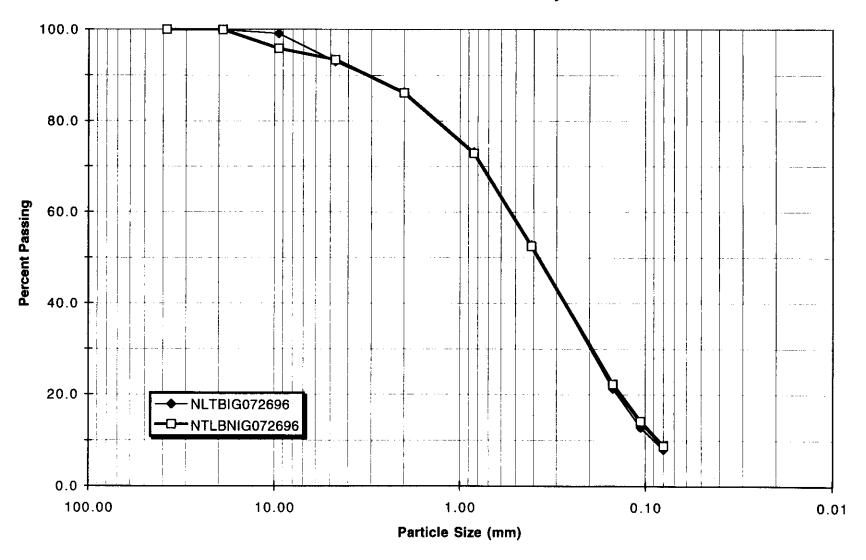


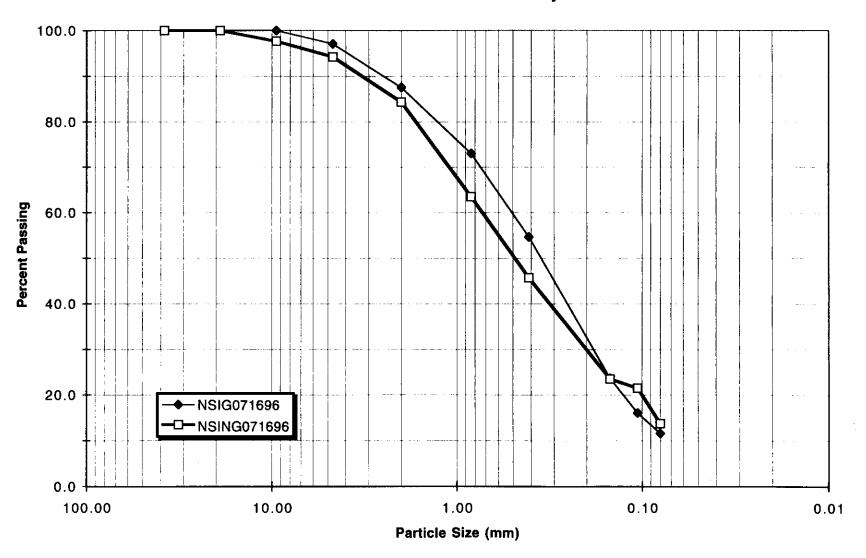


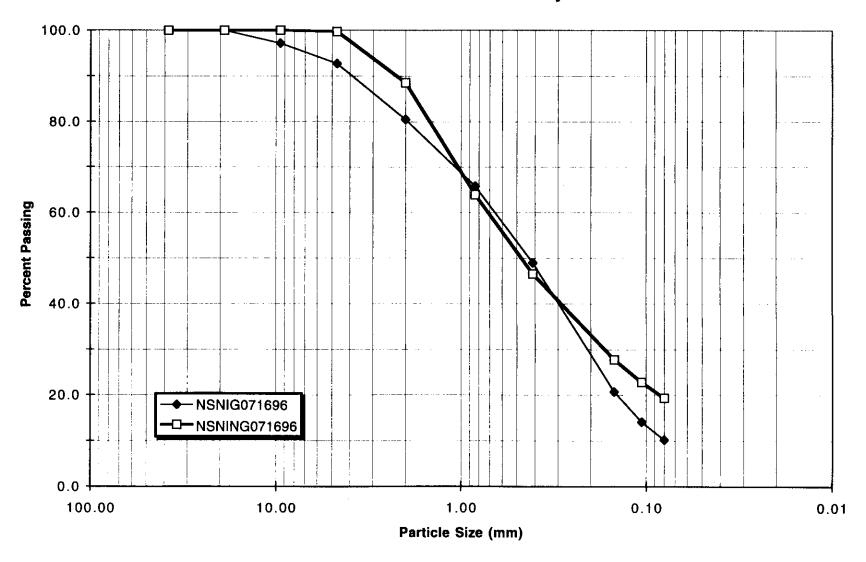


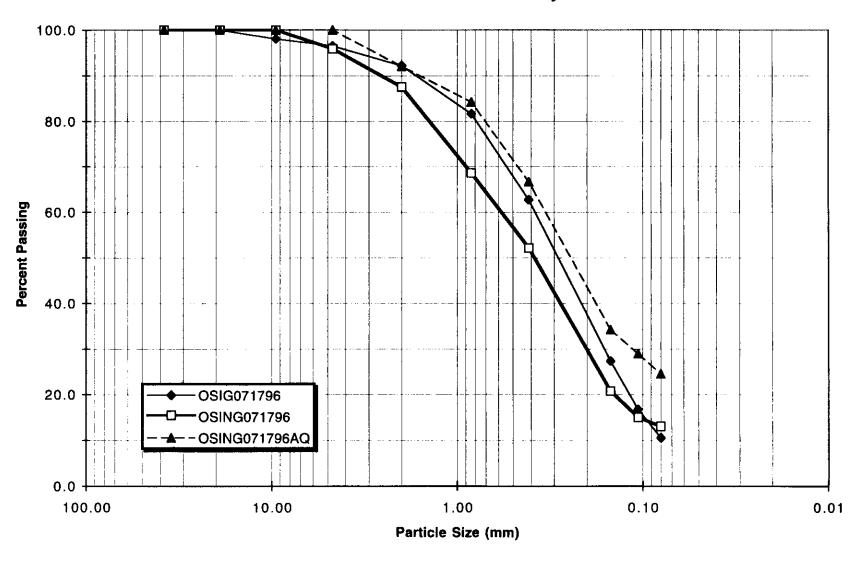


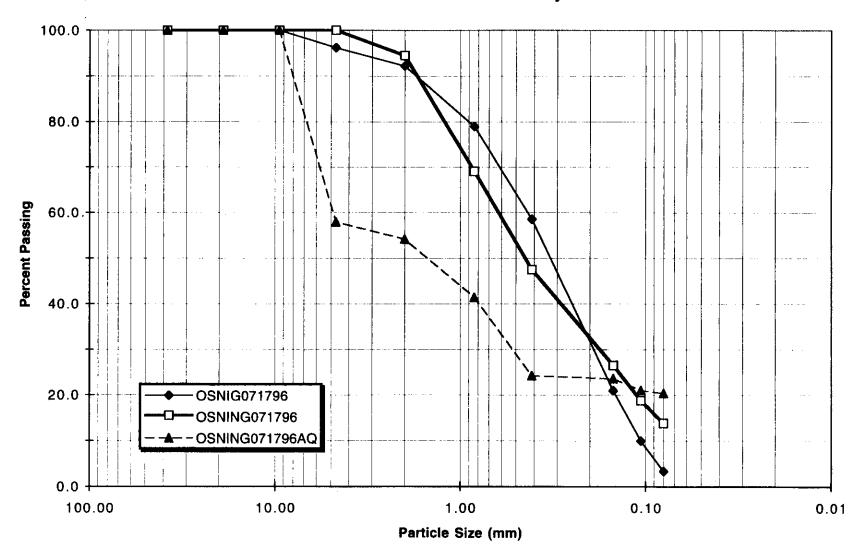


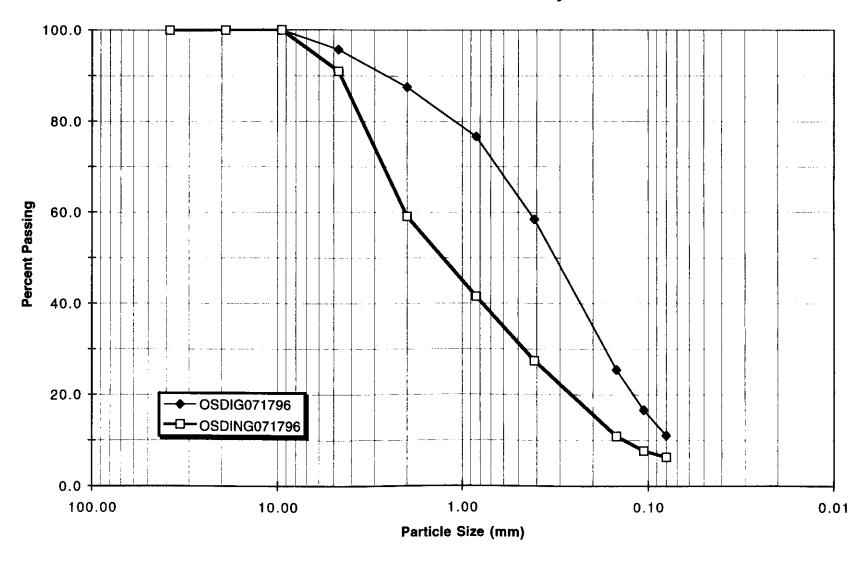


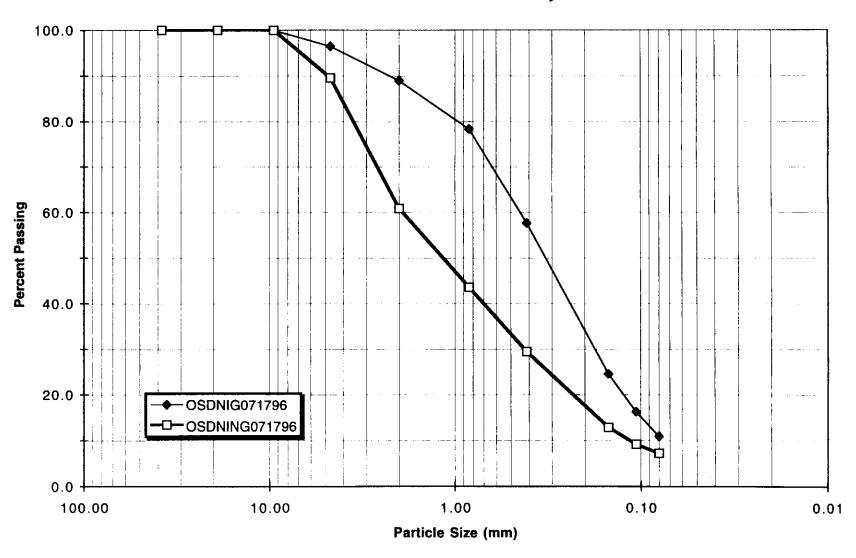


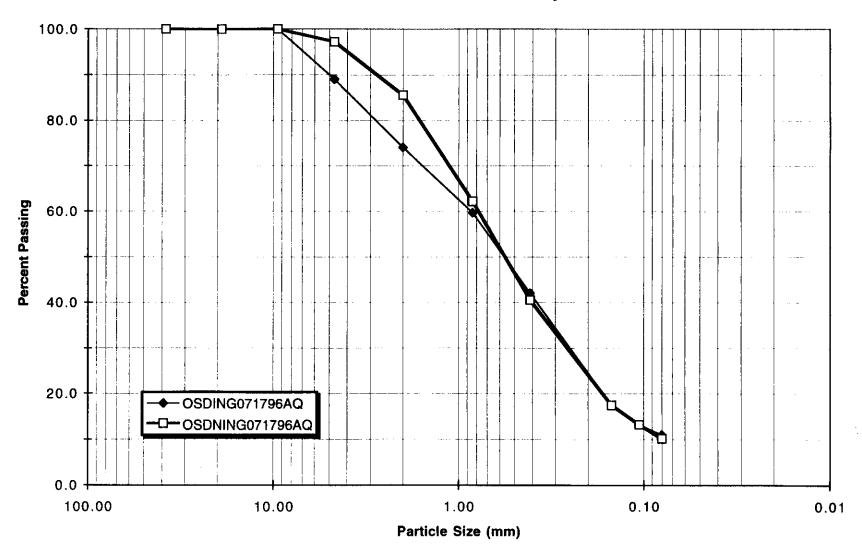


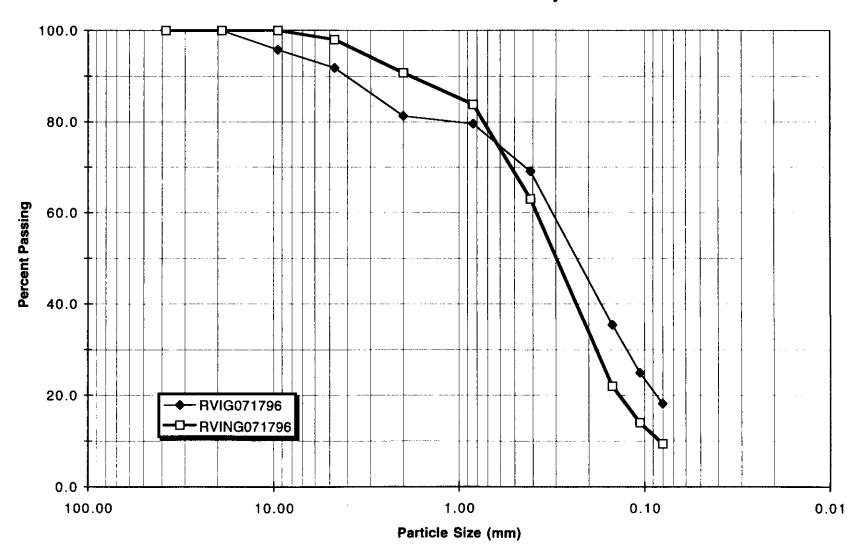


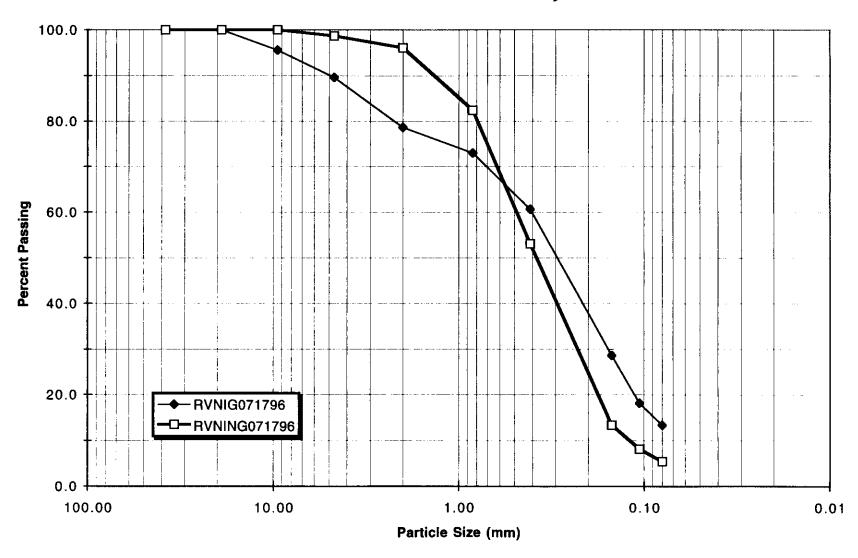


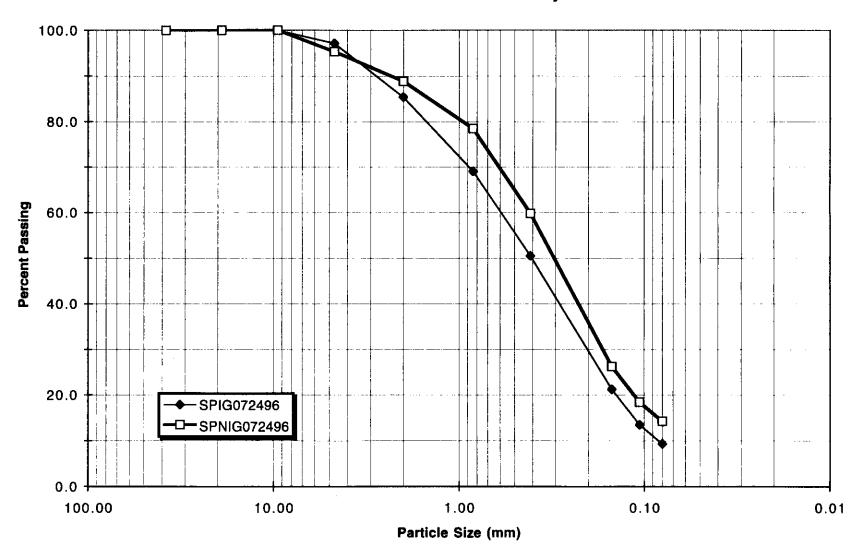
















Return Cooler # ___ MONTGOMERY WATSON 4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503 (907) 561-5829

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CHAIN OF CUSTODY FORM

13631 Return Cooler * _ MONTGOMERY WATSON 4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503 (907) 561-5829

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CHAIN OF CUSTODY FORM

MONTGOMERY WATSON 4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503 (907) 561-5829

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CHAIN OF CUSTODY FORM

Return Cooler # _____ to:

MONTGOMERY WATSON

4000 Credit Union Drive, Suite 600

Anchorage, Alaska 99503

(907) 561-5829

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Return Cooler * _____ to:

MONTGOMERY WATSON

4000 Credit Union Drive, Suite 600

Anchorage, Alaska 99503

(907) 561-5829

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Return Cooler * ____ to: MONTGOMERY WATSON 4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503 (907) 561-5829

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CHAIN OF CUSTODY FORM

Return Cooler # _____ to:

MONTGOMERY WATSON

4000 Credit Union Drive, Suite 600

Anchorage, Alaska 99503

(907) 561-5829

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CHAIN OF CUSTODY FORM

Return Cooler to: MONTGOMERY WATSON 4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503

(907) 561-5829 PROJ. NO. LABORATORY NAME 1:01,000 TOTAL SAMPLERS: (Signature) NO. **OF** CON-STATION NUMBER/LOCATION **REMARKS** DATE TIME GRAB TAINERS 5 1111-03 2 29610 PULL UN Rover 1 1711 03277640 An. MA PRHILLIA 15.4 127-041076 40 De LOUIS .. 460 17 \$ XHUGOHOAKAR AN MAN Four . 154 11/4 MURSTEAR De Entre kmuzu =164 14115043 597.40 Den. Entre 137 ROLLAND 16 126 042316 40 Rowins 11/25 16 NINE 04 2276 AD ENTRY Provide 1150 Due Edme 151 36/U6022196 AR ROUND Dro Enthy 1/21 36.011160321961G 1 WUB 36 1NG CH25961A 1/36 ROUMD 3611106042119,40 MOLIND 2 417 COINICO1239640 4 140 UND CONINGCH > 296 AB ROUND 2 1. PUND dillo COL 14504109636 CAL VING MINNEAGE IN ROUND Relinguished by: Date/Time Received by: Date/Time Relinguished by: Received by: Date: Time: Received for Laboratory by:



Return Cooler # ____ to: MONTGOMERY WATSON 4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503 (907) 561-5829

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nchorage, Aleeka

Return Cooler * _____ to:

MONTGOMERY WATSON

4000 Credit Union Drive, Suite 600

Anchorage, Alaska 99503

(907) 561-5829

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CHAIN OF CUSTODY FORM

Return Cooler * _____ to:

MONTGOMERY WATSON

4000 Credit Union Drive, Suite 600

Anchorage, Alaska 99503

(907) 561-5829

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Return Cooler * _____ to: MONTGOMERY WATSON 4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503 (907) 561-5829

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Return Cooler # _____ to:

MONTGOMERY WATSON
4000 Credit Union Drive, Suite 600
Anchorage, Alaska 99503

CHAIN OF CUSTODY FORM (907) 561-5829 PROJ. NO. LABORATORY NAME 1301.0441 RPK TOTAL SAMPLERS: (Signature) NO. OF AM Ren CON-DATE TIME GRAB REMARKS STATION NUMBER/LOCATION TAINERS Rand KA ING 042496 KA NIG 64 24 96 NEWG 0724 96 16 TG 042396 16 ING 042396 16ING 042396 AQ 16 NIG 04 23 96 6NING 0423 96 16 NING 04 23 96 A Q CO IG 0423 96 10ING 04 2396 (OTHE 042396 AQ CO NIG 04 23 96 10 NING 0423 96 (0 NING 04 2396 AQ KB IG 0418 96 Komd KB ING 04 18 9L Date/Time Relinquished by: Relinquished by: Received by: Received by: Date/Time U30 56 17:41 Date: 4/30 Time: 17:45 Received for Laboratory by: Mank



Return Cooler # ____ to: MONTGOMERY WATSON 4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503 (907) 561-5829

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CHAIN OF CUSTODY FORM

Return Cooler * _____ to:

MONTGOMERY WATSON

4000 Credit Union Drive, Suite 600

Anchorage, Alaska 99503

(907) 561-5829

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Department Jublic Works Street Sediment Load Sampling Phase 2

MONTGOMERY WATSON 4100 Spenard Road Anchorage, Alaska 99517 (907)248-8883

Page 1 of 2

PROJ. NO. TO: 1801.0442 DHHS - AQ SAMPLERS: (Signature)					CONTAINERS CONTAINERS CONTAINERS										
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Department Ublic Works Street Sediment Load Sampling Phase 2

RETURN COOLERS TO: MONTGOMERY WATSON 4100 Spenard Road Anchorage, Alaska 99517 (907)248-8883

Page 2 of 2

PROJ. NO. TO: 1801.0442 DHHS - AQ SAMPLERS: (Signature)						Spir Sal	ingle/						
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Return Cooler # ____ to: MONTGOMERY WATSON

4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503

(907) 561-5829

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Return Cooler * ____ to:

MONTGOMERY WATSON

4000 Credit Union Drive, Suite 600

Anchorage, Alaska 99503

CHAIN OF CUSTODY FORM (907) 561-5829 PROJ. NO. LABORATORY NAME RPK 1801.0442 TOTAL SAMPLERS: (Signature) NO. **OF** CON-DATE TIME GRAB TAINERS **REMARKS** STATION NUMBER/LOCATION Rnd 3 7/8 1216070896 12 ING 070896 7/8 12 NIG 070896 7/8 1 12 NJNG 0708 96 7/8 NIG 070896 7/8 WING 070876 7/8 NNIG070296 WNING 070896 7/2 13 IG 070996 1/9 13 TNG 0709 96 13 NIGO7 09 96 13 NING 070996 1/9 KA IG 070996 7/9 KA ING 0709 96 KANIG 0709 96 7/9 KANING 670976 Relinquished by: Date/Time Received by: Relinquished by: Date/Time Received by: 8/14 8:00mm Received for Laboratory by: Time: Plopan



Return Cooler # _____ to: MONTGOMERY WATSON

4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503

(907) 561-5829

CHAIN OF CUSTODY FORM D 2/10 LABORATORY NAME PROJ. NO. 1801.0442 RPK TOTAL SAMPLERS: (Signature) NO. OF CON-STATION NUMBER/LOCATION **REMARKS** TAINERS Rnd 3 7/16 OMIG 07/696 OM ING DMNIG OMNING KIIG LIING KI NIG KININGV NSIG 07/696 NSING NSNIG NSNING 36BTG 36BING 360 NIG 360NING Received by: Date/Time Received by: Relinguished by: Relinguished by: Date/Time 8/14 8:00am Date: 8/14/96 Time: 8:00 gm Received for Laboratory by:



Return Cooler # _____ to: MONTGOMERY WATSON 4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503

Time: 800 am

P 3/10 CHAIN OF CUSTODY FORM (907) 561-5829 PROJ. NO. LABORATORY NAME 1801.0442 RPK TOTAL SAMPLERS: (Signature) NO. OF CON-DATE TIME GRAB STATION NUMBER/LOCATION TAINERS REMARKS KND 7/17 OSD IG 07 1796 OSOING DIONIG OSUNTNG 0516071796 05 ING 0717 26 05 NIG 07/7 96 05NIWG071798 05 ING 071796 AQ 05 NING 07 1796 AQ 36 IG 0717 96 36ING071796 36ING 071796 AQ V 36 NIG 071796 36 NING 07/796 36 NING071796 AQ V Relinquished by: Date/Time Received by: Relinguished by: Date/Time Received by: Received for Laboratory by: The MC Date: 8/19/96



Return Cooler * _____ to: (
MONTGOMERY WATSON
4000 Credit Union Drive, Suite 600
Anchorage, Alaska 99503

CHAIN OF CUSTODY FORM P 4/10 (907) 561-5829 LABORATORY NAME PROJ. NO. 1801,0442 RPK TOTAL SAMPLERS: (Signature) NO. OF Billem CON-DATE TIME GRAB STATION NUMBER/LOCATION **REMARKS** TAINERS 5 IG 071796 7/17 5 ING 5 NIG 5 NING RUIG RUING RUNIG RUNING 7/24 muLJG 072496 MUL NIG DEBIG DEONIG SPIG 072496 SP NIG TOWIG TOWNIG Date/Time Received by: Relinquished by: Date/Time Received by: Relinguished by: 8/14 8:00am Date: 8/14/26 Time: 8 (00am Received for Laboratory by:



Return Cooler * _____ to:

MONTGOMERY WATSON
4000 Credit Union Drive, Suite 600
Anchorage, Alaska 99503

CHAIN OF CUSTODY FORM (907) 561-5829 P 5/10 LABORATORY NAME PROJ. NO. 1806.0442 TOTAL SAMPLERS: (Signature) NO. OF Dill Jam CON-DATE TIME GRAB STATION NUMBER/LOCATION TAINERS **REMARKS** 7/24 6IG 072496 7/24 6 NICO72496 IG 0726 96 7/26 ANIG 672696 ATOG 0726 96 A NTONG 0726 96 ANTOG 072696 ANTONG 072696 ATONGO72696 AQ ANTONG 072696 AQ A TOAK 073696 A TO A16, 072696 AQ 7/26 DENIGOTZ696 OEN NIG072696 NITB IG 272676 NLTB NIG 072696 Date/Time Received by: Relinquished by: Date/Time Received by: Relinquished by: 8/14 8:00an Received for Laboratory by: Z.M. Date: 8/14/96 Time: 8100am



Return Cooler * _____ to:

MONTGOMERY WATSON

4000 Credit Union Drive, Suite 600

Anchorage, Alaska 99503

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CHAIN OF CUSTODY FORM

Return Cooler * _____ to: MONTGOMERY WATSON 4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503 (907) 561-5829

P 7/10 PROJ. NO. LABORATORY NAME 1801.0442 RPK TOTAL SAMPLERS: (Signature) NO. Bill Som OF CON-DATE TIME GRAB STATION NUMBER/LOCATION TAINERS **REMARKS** 8/6/96 15AIG 08 06 96 ISA TWG 0806 96 AQ ISA ING 08 06 96 ISANIG080696 ISA NING 080696 ISANTNG 080696 AQ (061**6** 080696 COL TNC 08 06 96 GOL ING OF 0696 AQ COL NIG 080696 OL NING-080696 (OC NINGO 8 06 96 AQ 15A TOG 080696 ISA TONG 080696 ISA TONG 080696 AQ 15A NTOG 080696 15A NTONG 0806 96 Date/Time Received by: Relinquished by: Date/Time Relinguished by: Received by: 8/14 8: Was Received for Laboratory by: Received Date: 8/44 Time: 8:00 ar



Return Cooler * _____ to:

MONTGOMERY WATSON

4000 Credit Union Drive, Suite 600
Anchorage, Alaska 99503

CHAIN OF CUSTODY FORM (907) 561-5829 P 8/10 LABORATORY NAME PROJ. NO. RPK 1801.0942 TOTAL SAMPLERS: (Signature) NO. 0F sem CON-**REMARKS** STATION NUMBER/LOCATION DATE TIME GRAB TAINERS 8/6/96 15A NTONGO80696 AQV 5 A TO Alley 080696 5 A TO Alley 080696 AQ V 16 IG 080696 16 ING 080696 16 WIG 080696 6 NING 080696 COIG 0806 96 COING 08 06 96 CONIG 0806 96 CONTNG 0806 96 Kb TOG 0806 96 6 TONG 0 806 96 rb NTOGO 8 06 96 BRITONG 080696 Ruy. 10 TO Alley 08 06 96 Received by: Relinquished by: Date/Time Received by: Relinquished by: Date/Time 8:00an Time: 8:0000 Received for Laboratory by:



Received for Laboratory by:

Return Cooler # _____ to: MONTGOMERY WATSON 4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503

Time: 8:00 am

Anchorage, Alaska P 9/10 CHAIN OF CUSTODY FORM (907) 561-5829 PROJ. NO. LABORATORY NAME 1801.0442 **TOTAL** SAMPLERS: (Signature) NO. Bill laun OF CON-DATE TIME GRAB STATION NUMBER/LOCATION TAINERS **REMARKS** 8/7/96 15I6 080796 1SING080796 ISNIG080776 15NING 080796 EIG 0807 96 EING 080796 ENIG 080796 ENING 080796 20 IG 080796 20 NIG-080796 LKO+ IG 0807 95 LKOTNIG 080796 18/2 13 TOG 0808 96 13 TONG 080896 13 NTOG 0808 96 13 NTONG 08 08 96 13 TOAKLY 080896 Date/Time Received by: Relinquished by: Date/Time Received by: Relinquished by: 8/14 8:0000

Date: 8/14/9/



CHAIN OF CUSTODY FORM

Return Cooler # ____ to: MONTGOMERY WATSON 4000 Credit Union Drive, Suite 600 Anchorage, Alaska 99503 (907) 561-5829

P 10/10 LABORATORY NAME PROJ. NO. 1801.0442 TOTAL SAMPLERS: (Signature) NO. OF me CON-DATE TIME GRAB STATION NUMBER/LOCATION **REMARKS** TAINERS Knd 3 8/8/91 KBIG 080896 KBING 080896 KD NIG 080896 KBNING 080896 916080896 9IN6080896 9 NIG 08 08 96 9NING080896 KD ITG TOG 080896 / KD FAGGONGO80896 (KB HIG NTOGOS 0896 KD ALTING NTONGO80896 KD \$6 TO Alley 080896 8/12/9 21## IG 081296 1 2/A ING 081296 21 NIGO8 12 96 21 NING 081296 Date/Time Relinquished by: Date/Time Received by: Relinquished by: Received by: 8/14 8:00cm Received for Laboratory by: Ren Ka Date: 8/14/96 Time: 8100ar