Final Report

An Evaluation of Sand, Mineral and Hard-Bottom Resources on the Coastal Ocean Shelf off South Carolina

by:

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Executive Summary

In July of 1992, the State of South Carolina entered into a cooperative arrangement with the Minerals Management Service (MMS) to establish a technical working group to identify and evaluate sand resources off the coast of South Carolina. The general objectives of the State are to undertake a five year program to evaluate the sand, mineral and hard-bottom resources that exist on the shelf. During the first year, the "Task Force on Offshore Resources" was formed to conduct a detailed compilation of existing data available to document sand, mineral and hard-bottom resources on the coastal ocean shelf off South Carolina, and to begin an analysis of trends in shoreline movement along eroding beaches in South Carolina.

Survey of Offshore Resources

Evaluation of the historical data on offshore resources resulted in the compilation of 2465 records for the zone extending from the beach out to 16 km (10 mi) offshore. These records are available to users in the form of a IBM-PC Dbase IV format. A copy of the database is also provided in Appendices 1-3 of this report, Appendix 4 provides figures showing the general location of data by gear type. The general types and location of records are summarized for four general zones of the coast (see Figure 2 for location of zones). These included 1,165 records (47% of the database) off the Grand Strand from the NC/SC border to Debidue Island (Zone 1); 198 records (8% of the database) off Winyah Bay, the Santee delta and Cape Romain (Zone 2); 775 records (31% of the database) from the north end of the Isle of Palms to the North Edisto River (Zone 3); and 327 records (13% of the database) from the North Edisto River to the Savannah River. The geographic distribution of these historical data records (see Appendix 1) indicates that some areas along the South Carolina coast have been studied extensively while others have received little attention, or have not been studied at all.

The majority of records in the database (81%) provided some indication of bottom type (ie. presence or absence of hard-bottom reefs). Hard-bottom reefs represent an important biological resource in South Carolina's nearshore and offshore waters because they support a

high diversity of invertebrate and finfish species, including many that are recreationally or commercially important. Within the nearshore zone examined in this study (0-16 km from the beach), 308 records provided evidence of hard-bottom reef habitat. A preliminary evaluation of the location of reef habitats in each zone indicated that this critical habitat was generally not common within three miles of the coast, where most borrow sites would be located. One exception to this pattern is off the Grand Strand area, where extensive reef habitats have been observed near the beach. These and other reefs that are located close inshore may be affected adversely by nourishment projects due to turbidity/siltation problems or burial by movement of nourishment material offshore. A more detailed analysis of the distribution of reef habitat along the South Carolina coastline is scheduled for Year II of the program.

Other Biological Resources

There are many other biological resources of concern that may be affected positively or negatively by nourishment operations. These include shrimp and whelk populations that are commercially harvested in the nearshore zone, benthic infaunal communities on the beach and adjacent subtidal habitats, planktonic resources, larger finfish populations, sea turtles, bird populations and endangered plants.

Commercial fishing for shrimp and whelks occurs primarily in the shallow waters adjacent to the beach, with the shrimp fishery extending from May through December or January and the whelk fishery extending from February to May. Estimates of shrimp trawling activity along the coasts were obtained through aerial overflights of the coast during a 12-year period. The results (Figure 3) showed considerable variability in this activity, with the greatest trawler activity occurring off Morris Island, Hunting Island, Kiawah Island, Harbor Island, Racoon Key, Hilton Head Island, and Turtle Island. Dredging of borrow sites in areas where trawling activity is common may create conflicts if these fisheries are adversely affected.

Benthic invertebrate assemblages inhabiting the beach and surf zone also may be affected adversely by beach nourishment. Studies conducted in South Carolina which have monitored changes in these assemblages following beach nourishment and beach scraping operations are reviewed in this report. Only two studies which evaluated changes in the composition,

abundance and diversity of beach-dwelling fauna have been completed, and one is in progress. In general these studies indicated that adverse effects were short-term (< 3 mo.) or not detectable. Evaluation of similar effects in offshore borrow sites has only been completed for one area (Hilton Head Island). That study indicated that disturbance effects from dredging were greater than those noted on the beach, and the effects persisted for a longer time period (at least 2 yrs at one site). Monitoring of beach scraping projects have been more limited in scope and extent; none of the studies documented adverse effects on the benthos.

Nearshore planktonic assemblages have been sampled at Hilton Head Island, Seabrook Island and Folly Beach in conjunction with nourishment projects. Larval and post-larval forms of several important species were found in the vicinity of the dredge in all studies, but none of the studies concluded that entrainment of these organisms would have a serious effect on these resources.

Finfish populations present in the surf zone of beaches during nourishment have not been well sampled in South Carolina. Only one study examined the finfish resources present at the shoals being dredged for sand at Hilton Head Island. That study concluded that, based on diet analyses, loss of benthic resources from dredging would probably not adversely affect the recreationally important species present.

The threatened loggerhead turtle (*Caretta caretta*) commonly nests on South Carolina's beaches. State and federal regulations require that this activity not be adversely affected by nourishment operations. Unpublished data from aerial surveys conducted by the South Carolina Wildlife and Marine Resources Department were reviewed to determine the relative incidence of turtle nesting along various portions of the coast. Nineteen of the 33 beach areas surveyed had moderate (10-20) to high (>20) nests/km (Figure 4) and many of these beaches will require periodic renourishment.

South Carolina's beaches also support a large number of shore birds and sea birds, including two threatened species (Piping plover and Least tern). The general habits of these species and the possible effects of beach nourishment operations on bird activities are summarized in Table 7. Several beach areas along the coast are important nesting areas for many species of concern, although most of these areas are undeveloped and, therefore, would

not be nourished. Many other species overwinter or feed on beaches. Beach nourishment has the potential to both enhance bird nesting activities (by protecting eroding dune systems) or disrupt these activities; however, studies to evaluate the effects of beach nourishment on bird populations in South Carolina are lacking.

The seabeach amaranth (*Amaranthus pumilus*) is a threatened plant species known to be present on beaches in the northern portion of the state. Beach nourishment projects completed where this species is present will need to incorporate protection measures.

Trends in Shoreline Movement

Aerial photographs of the South Carolina coastline date back to 1951, and thus provide over forty years of valuable historic information concerning changes in barrier island morphology. The most complete set of coastal photographs are archived by the South Carolina Coastal Council (SCCC). To provide for quicker retrieval of information on these photographs, an easy to use graphical index was developed using HyperCard®, a commonly available Macintosh® software program to run the database file. The graphic index currently consists of a compilation of aerial photographs taken between 1977 and 1990 and includes in excess of 3000 individual photographs.

Image processing methods were used to analyze shoreline changes on two barrier islands, Folly and Hunting islands. These islands have experienced a long history of coastal erosion and, hence, were selected as the sites for preliminary investigation. The analysis of Folly Island involved labor intensive but high precision techniques that rely on expensive scanning equipment and software. For Hunting Island, more commonly available computer equipment and software were used to develop a more rapid analytical technique. These trial studies were meant to test different procedures and to develop new methodologies to evaluate coastline change.

Introduction

The South Carolina coastline is a popular destination for tourists, with nearly three billion dollars of the state's tourism revenue being generated along the coast. One of the major attractions is the state's wide and scenic beaches. These beaches also play an important role in protecting life and property from coastal storms and shoreline erosion. However, more than half of the state's 90 miles of developed beaches are seriously eroding, threatening residential and resort development (Kana and Snyder, 1991).

In response, the South Carolina General Assembly passed the Beachfront Management Act (BMA) of 1988 (which was amended in 1990) to "protect, preserve, restore, and enhance the beach/dune system. . . . ." The BMA mandates the development of a "comprehensive, long-range beach management plan" for the state's coastline, as well as local comprehensive beach management plans to meet the overall goal of the Act. Among the stated policies of the BMA is the severe restriction of "the use of hard erosion control devices to armor the beach/dune system" and the "replacement of hard erosion control devices with soft technologies." The Act promotes "carefully planned nourishment as a means of beach preservation and restoration where economically feasible."

Given that nourishment is the preferred alternative to address the state's erosion problems, sources of sand are required to maintain the beaches when erosion is a problem (Figure 1). Kana and Snyder (1991) concluded that approximately 16 million cubic yards of sand will be required to restore and maintain a 50-ft wide, dry-sand beach along the eroded coast for the next 10 years at a cost of about $65 million.

A potential source for much of the nourishment material is the nearshore coastal shelf off South Carolina. Although some work has been done to identify sand deposits for several nourishment projects, information on the extent of the sand deposits off the state's coast is lacking. Additionally, the effects of removing sand from these deposits on the coastal sand budget, and the consequences to living marine resources are not well understood.

In order to address these concerns, the State of South Carolina initiated a cooperative

program with the Minerals Management Service, Office of International Activities and Minerals Resources, in July of 1992. The major goal of this five-year program is to evaluate the sand, mineral and hard-bottom resources that exist on the state's coastal ocean shelf from the shoreline out to approximately 16 km (10 mi) offshore. The program also includes an evaluation of previous nourishment programs, beach erosion patterns and projected needs for future beach nourishment. Specific objectives during the first year of the program were to:

1. Formally establish an interagency Task Force to evaluate mineral and biological resources in the nearshore zone off South Carolina;

2. Conduct a detailed review of existing databases and literature sources to determine what is known about natural resources in the nearshore coastal ocean off South Carolina (0-10 mi),

3. Identify critical habitats for biological resources that may be affected by beach nourishment projects and summarize findings obtained from previous biological monitoring studies of nourishment projects conducted in the state.

4. Begin an evaluation of historical trends in South Carolina's shoreline configuration, and

5. Review coastal assessment programs that are in progress in adjacent states.

This report summarizes the activities and findings obtained from the first year of the program. Review of the existing databases for the nearshore zone was completed by P. Donovan-Ealy and P. Gayes (Coastal Carolina University) and by S. Padgett, P. Maier, and R. Van Dolah (Marine Resources Research Institute). Review of critical habitats for biological resources that may be affected by beach nourishment programs was completed by S. Padgett and R. Van Dolah. Compilation of the database on aerial photography and evaluation of the historical trends in shoreline configuration was completed by M. Colgan and M. Katuna (University of Charleston). Review of other coastal assessment programs was completed by R. Devoe (S.C. Sea Grant Consortium).

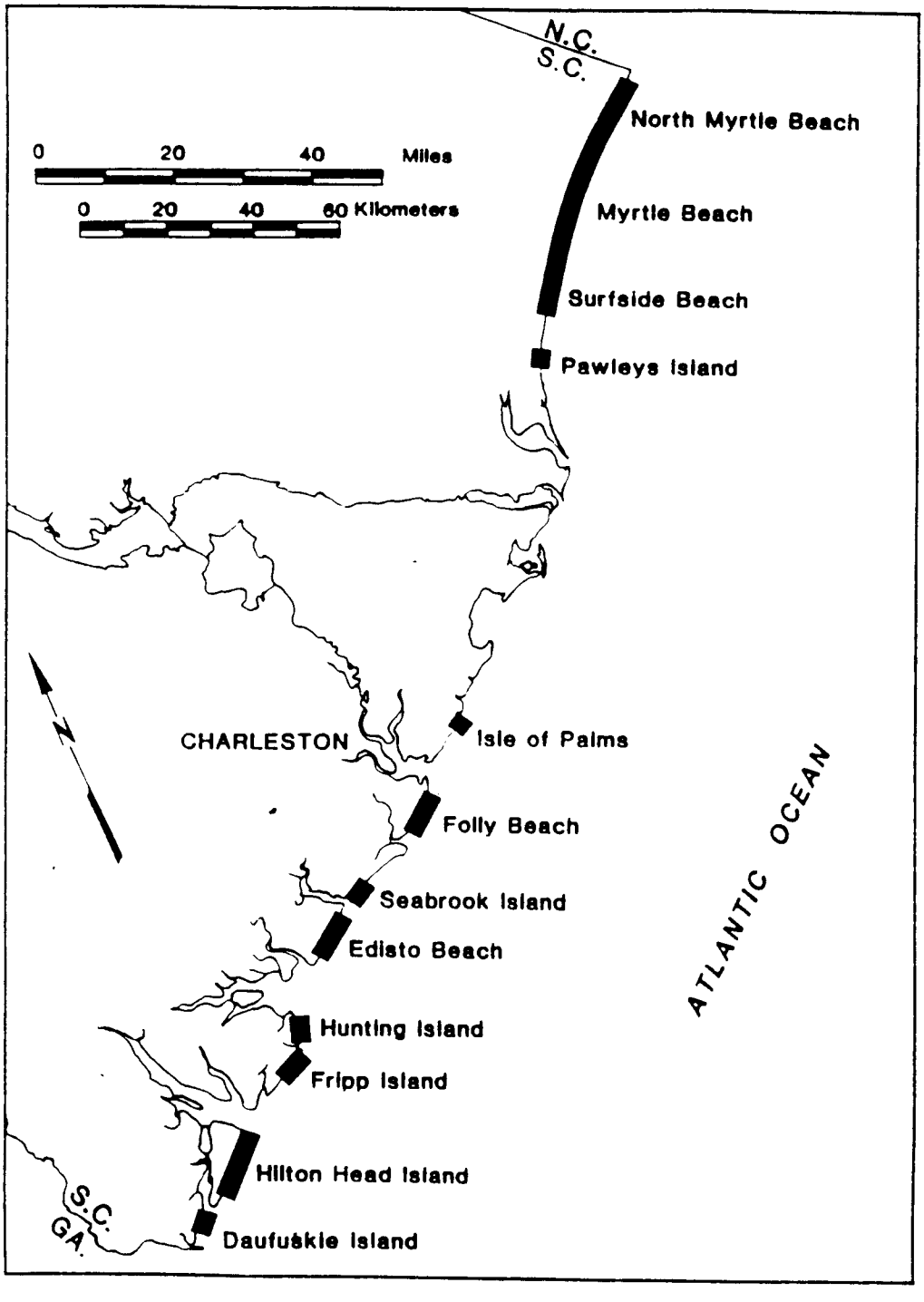

Figure 1. Areas of South Carolina coastline where beach nourishment has been completed or is planned.

Formation of the Task Force

Following approval of a cooperative funding agreement with the Minerals Management Service (MMS), representatives from several state and federal agencies met to form the "South Carolina Task Force on Offshore Resources". Agencies and institutions currently represented on the Task Force are listed in Table 1. Other state and federal agencies having management responsibilities in South Carolina's nearshore coastal zone and interested academic institutions will be provided the opportunity to be represented on the Task Force as the program continues. The Marine Resources Division of the S.C. Wildlife and Marine Resources Department is acting as the lead agency for the Task Force and is responsible for the overall coordination and administration of all Task Force activities. The Marine Resources Division library will also serve as the repository for all data and information collected during the program period. The role of the Task Force is to: (1) define specific program objectives, (2) resolve who should accomplish various tasks, (3) evaluate progress on the completion of objectives and tasks, and (4) report on progress to the MMS and other interested agencies. Since its inception, the Task Force has met at approximately quarterly intervals to discuss current activities and develop recommendations for studies to be completed during subsequent years of the program.

Table 1. **Listing of agencies and institutions participating on the South Carolina Task Force on Offshore Resources during 1993-1994.**

State Agencies

Coastal Council
Geological Survey
Governor's Office
Land Resources Conservation Commission
Sea Grant Consortium
Water Resources Commission
Wildlife and Marine Resources Department

Academic Institutions

Coastal Carolina University
University of Charleston

Federal Agencies

Minerals Management Service
South Atlantic Fishery Management Council
U.S. Army Corps of Engineers, Charleston District
U.S. Geological Survey

Compilation of Existing Shelf Resource Data

One of the major objectives of the Task Force during the first year was to conduct a detailed compilation and review of existing data on South Carolina's offshore resources as they relate to beach nourishment activities. This included:

(1) an analysis of the location and extent of known sand and mineral resources in the nearshore coastal area (0-16 km offshore), and

(2) an evaluation of where critical biological resources (e.g., live bottom habitat, commercial fishery resources, etc.) exist in the survey area.

The geological databases included data from existing high resolution seismic reflection survey lines, side scan sonar surveys, surficial sediment characterizations, heavy mineral/phosphate percentages, vibracore/boring logs, magnetometer lines, and literature on shallow geologic structure, sea level change and shelf evolution. The evaluation of critical habitats for biological resources included compiling information on the distribution of hard-bottom habitat (other than those sources noted above) using trawl and trap data, television observations, side scan sonar records, and diver observations. These records were analyzed for bottom type using standardized protocols developed by the NOAA Southeast Area Monitoring and Assessment Program (SEAMAP) Bottom Mapping Project (see Van Dolah *et al.*, 1994 for protocols used). Other biological information, such as the location of critical bird and turtle nesting areas, and the location of areas actively used for commercial and recreational fishing was compiled based on information provided by the South Carolina Wildlife and Marine Resources Department. Data from biological studies conducted to monitor the effects of previous beach nourishment operations in South Carolina were also compiled and summarized.

Database Structure:

The INTERMAR database was compiled using dBASE IV (Borland Intl., Inc., 1992). The structure of the database was modified from the South Carolina Wildlife and Marine Resources SEAMAP Bottom Mapping database. This allows easy import of the database into

the broader, regional SEAMAP database and increases the compatibility of the South Carolina database with ongoing efforts in adjacent states. The database format and content was established by the principal investigators and approved by the INTERMAR Task Force members. Tables 2, 3 and 4 provide information on the database structure and format. The codes describing agency, positioning methods, gear/equipment used in sampling, bottomtype, etc. are all compatible with the SEAMAP format. Additional codes specific to the SC INTERMAR database were established in consultation with SEAMAP personnel.

The database is divided into three files: 1) a primary file which contains information on the locations of pertinent geological/hardbottom data, 2) a file which contains information about the source of data for each record, and 3) a file which summarizes the quantity of data and hardbottom occurrence within quadrats of the ocean that were 1 minute latitude by 1 minute longitude in size. These quadrats (blocks) were created to partition continuous data (eg. side scan or sub-bottom profile survey lines) into discrete sections which could be coded for bottom type. A total of 2,469 quadrats were established for the South Carolina offshore zone which extends from the beach out to 16 km (10 miles) offshore (Figure 2).

The database can be sorted and searched using any parameter or field type (locations of >95% sand, locations of hard bottom, listing of all vibracore locations, etc). The database also can be downloaded into several different formats, including ASCII, dBASE III, RapidFile, Framework II, Lotus 1-2-3 and ArcInfo for graphical output through ArcView on a Geographical Information System (GIS) or a PC version of ArcView.

Table 2. Structure of Primary file for the database on South Carolina offshore resources.

Field	Description
Block	contains unique number for each 1' block
Date	YYMMDD (year/month/day)
Agency - Pro	four character code provides information on agency (first 2 characters) and project (last 2 characters)
Origicoll	lists original collection number if available; last 6 characters of code
Start/End/Lat/Long	data collection latitude/longitude, Loran data converted and conversion program provided with database
Posmethod	code describing positioning system used; Loran-A data will not be used
Corrfactor	describes any corrections made to the positioning system by the original researcher
Geartype	describes the gear and method (gear sample, core, seismic, side-scan); box cores are classified as grab samples;
Depth	water depth recorded to nearest meter; data records in fathoms to the nearest 2 meters.
Bottomtype	places the bottom into one of following categories: hard bottom (HB), possible or probable hard bottom (PH), no evidence of hard bottom (NH), artificial reef (AR)
Sand/Silt/Clay	% sand/silt/clay in sample
Carbonate	% carbonate in sample
Meangrsiz	mean grain size
Heavymin<-!>	% total heavy minerals in sample
Phosphate	% phosphate in sample
EHM	% economic heavy minerals in sample (ilmenite, leucoxene, rutile, zircon, monazite, sillimanite)
ZTR	% zircon, tourmaline, rutile in sample
Mindpthpen	minimum depth of penetration of survey at data point (seismic data will use USGS standard surficial geology velocity of 1500 m/s to determine depth)
Maxdpthpen	maximum depth of penetration of survey at data point
Minsandlen	minimum depth to sand lens at data point (<1 meter = 0)
Maxsandlen	maximum depth to sand lens at data point (>100 meter = 99) stratigraphic code including age (2 characters) and formation name (1 character) from survey bottom
Relief	maximum bottom relief: low (<.5m), medium (.5 -2m), or high (>2m)

Table 3. Structure of Project file.

Field	Description
Agency_Pro	provides relation to primary database
Pos_Prec	recorded data precision
Sourc_Code>	provides SEAMAP source code
Proj_Title>	100 character allotted, can be expanded if necessary
Fund_Agen	source of original funding
Grant_Num	original grant number
Prin_Inves	name of principal investigator
Company	name of agency or company which performed the study
Street City State Zip Phone Fax	company information

Table 4. Structure of Blocks file.

Field	Description
Block	provides relation to the primary database
Latitude	latitude for lower right corner of block
Longitude	longitude for lower right corner of block
Hard_Ev	code + or - for hardbottom for a given block
Vol_Res	code + or - for volume reserve estimate given in original report
Num_obs	provides number of observations within a block

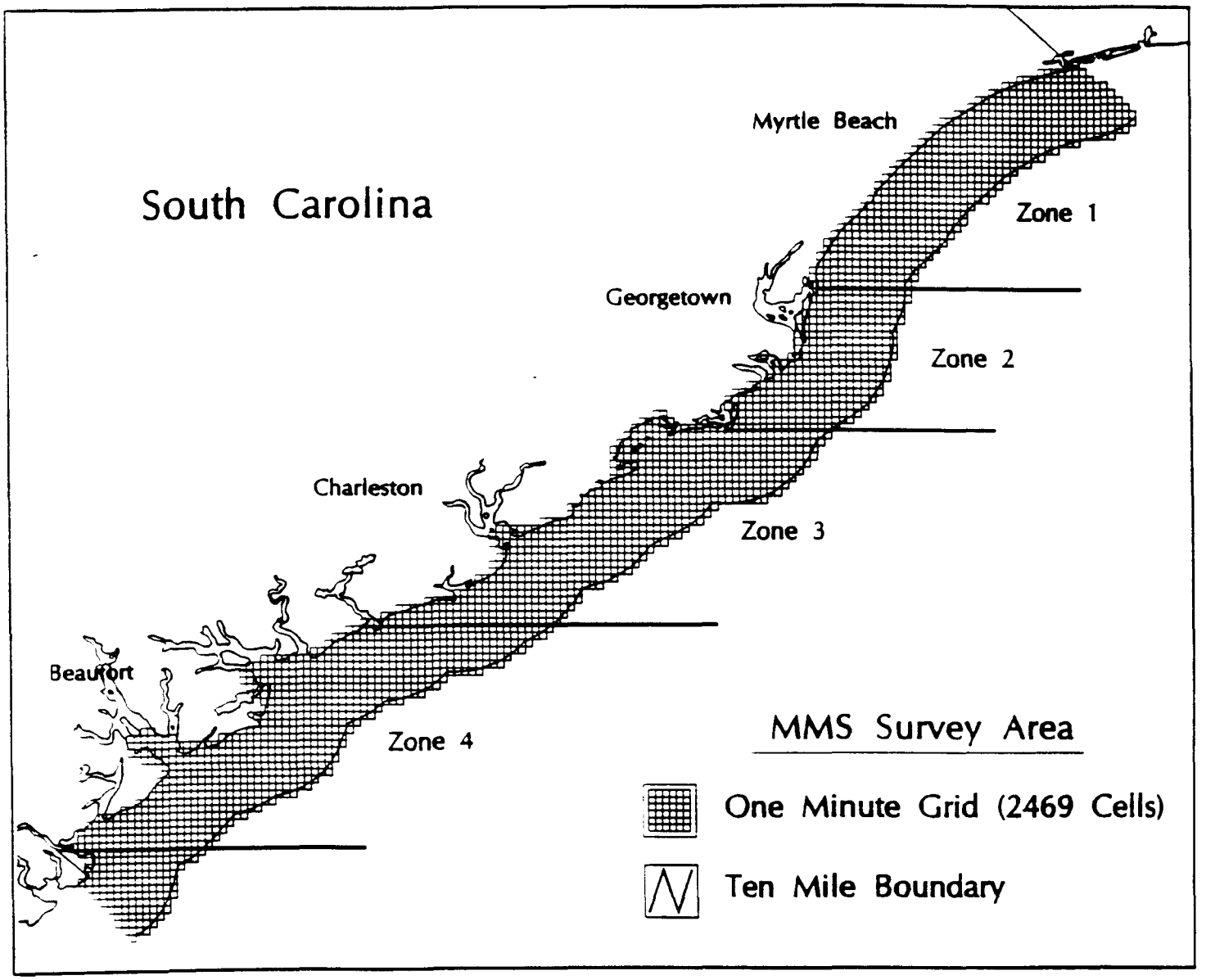

Figure 2. Grid system established to partition continuous data records. Each grid cell represent one minute of latitude and longitude.

Databases Accessed:

The geologic data review involved an on-line computer search, using GEOREF and federal documents to archive data sources which were then obtained using the inter-library loan system. Each article was cross-referenced using the bibliography to locate additional data sources. In addition, visits to several university and state agency libraries were necessary to locate and copy data. Sediment sample analyses were obtained from reports by the U.S. Geological Survey, Wood's Hole Oceanographic Institute, Duke University, South Carolina Wildlife and Marine Resources Department, Coastal Carolina University, U.S. Fish and Wildlife Service, Coastal Science and Engineering, Inc. and Athena Technologies, Inc. Much of the high-resolution seismic reflection data resides in the Center for Marine and Wetland Studies at Coastal Carolina University. These data include uniboom and sparker seismic reflection lines recorded between 1990-1993 on NOAA ship Ferrel cruises as well as the university's own vessel. The seismic profiles were quantified by the start and end coordinates of the seismic line within the block, depth of penetration of the survey and the maximum/minimum depth of sand available within a quadrant.

The primary biological data sources reviewed for information on bottom type included the Marine Assessment, Monitoring and Prediction Program (MARMAP) and the Southeast Area Monitoring and Assessment Program (SEAMAP). Most of the records consisted of bottom trawls and bottom fish traps using one of several gear types. Trawl records consisted of both point data (start coordinates) and line data (start and end coordinates) when available. Other biological surveys included in the database are side scan sonar and underwater television surveys conducted by the South Carolina Marine Resources Division (SCWMRD) under cooperative agreements with the U.S. Fish and Wildlife Service (USFWS) and the U.S. Army Corps of Engineers (USACOE). Maps published by Maps Unique, Inc. also were reviewed and the coordinates identifying hard-bottom areas were incorporated into the database. Additional surveys which provide information on bottom type that have been completed by the SCWMRD and the U.S. Environmental Protection Agency (USEPA) were not available in time for input to the INTERMAR database during the Year 1 effort, but they can be included in the future. Similarly, many additional records have been compiled from areas seaward of the 0-10 mile

coastal zone considered in this study phase as part of the INTERMAR and SEAMAP program activities. These records are not listed in this report, but they will be available to management agencies and others in the future.

Database Analysis:

The INTERMAR comprehensive database includes 2465 records within 16 km (10 mi) of the coast. Appendices 1-3 provides a listing of all data records compiled during the first year. The South Carolina coast was divided into four zones to describe and analyze the data. A summary of the types of data available in each of the four zones described below is included in Table 5 and depicted graphically in Appendix 4.

A comprehensive geological bibliography was also compiled which includes approximately 225 references of studies conducted on the South Carolina continental shelf or dealing with related topics. This bibliography is a dBASE IV file which can be searched and sorted by author, date, or journal title. A listing of the bibliography is provided in Appendix 5.

Zone 1: Grand Strand (33°53'N to 33°20'N)

The Grand Strand zone, which extends from the South Carolina - North Carolina border to the southern end of Debidue Island, contains 1165 records (47% of the INTERMAR database). The Grand Strand has experienced significant damage to its beaches due to major storms (i.e. Hurricane Hugo (1989) and the March 1993 "Storm of the Century"). Myrtle Beach is scheduled for a major beach nourishment to begin in 1995 using sand from four offshore borrow areas along the Grand Strand from Surfside Beach to Little River.

Much of the sediment data included in the INTERMAR database was collected from surveys to identify offshore beach nourishment reserves. Approximately 475 sediment samples are contained in the Grand Strand section of the database acquired from the following sources: U.S. Geological Survey, Duke University, South Carolina Wildlife and Marine Resources Department, Alpine Ocean Seismic Survey, Inc., Athena Technologies, Inc., U.S. Fish and Wildlife Service, Research Planning Institute, Inc., Wood's Hole Oceanographic Institute,

Table 5. **Summary of types of data available in the INTERMAR database completed during the Year I study phase. S text for descriptions of zones.**

Region	Total Records	Sediment Samples			Bottom Type				Linear Track Mi
		Cores	Grabs	Dredges	AR	HB	PH	NH	(km)
Zone 1	1165	351	119	6	45	133	21	822	485
Zone 2	198	0	32	7	1	7	10	103	830
Zone 3	775	43	19	3	18	74	39	535	975
Zone 4	327	133	4	0	15	127	11	265	70*

Bottom type codes: **AR**=Artificial reef; **HB**=Hardbottom; **PH**=Possible hardbottom; **NH**=No evidence of hardbottom

*denotes total mileage before analysis of Dr. V.J. Henry's seismic data stored at Skidaway Institute, Georgia

Coastal Carolina University and Coastal Science and Engineering, Inc. Sediment samples were obtained using vibracore, Smith-McIntyre grab, modified Pierce dredge and Peterson grab.

Over 800 records indicating bottom type in the Grand Strand were collected from surveys by the South Carolina Marine Resources Division and maps compiled by Maps Unique, Inc. Approximately 13% of the records in this zone indicated the presence of natural hard-bottom habitat (excluding artificial reefs). Several hard-bottom sites occur off Myrtle Beach and Little River, particularly within three miles of the shore. Along with bottom-type and sediment data, the Grand Strand data includes ten seismic surveys (approximately 485 km of trackline) run by Coastal Carolina University using uniboom and sparker subbottom profilers.

Zone 2: Winyah Bay/Santee Delta/Cape Romain (33°20'N to 33°N)

Offshore channels containing sand reserves of considerable size typify the Santee Delta, but because the area is largely undeveloped, the use of these resources for nourishment activities is probably not economically feasible. The zone contains 198 records, only 8% of the database. Information on the Santee Delta includes 36 sediment analyses from the U.S. Geological Survey, Duke University and South Carolina Wildlife and Marine Resources Department. These samples were acquired using several types of bottom grabs. Data obtained from surveys conducted by the SCWMRD and charts produced by Maps Unique, Inc. provided the 120 bottom-type records listed for the Santee Delta zone based on biological surveys and other data sources (for Maps Unique, Inc. charts). Approximately 9% of the records indicated the presence of hard-bottom reefs, and most of this habitat was located in the Bull's Bay area of the Santee Delta zone. Three seismic surveys (approx. 835 km of trackline) were conducted by Coastal Carolina University off the Santee Delta using uniboom and sparker sub-bottom profilers.

Zone 3: Charleston area (33°N to 32°33'N)

The Charleston zone extends from the north end of the Isle of Palms to the North Edisto River. This zone contains 775 records (31% of the INTERMAR database). The zone contains two seismic surveys conducted by Coastal Carolina University using both uniboom and sparker sub-bottom profilers. Five sediment surveys conducted in the area include data from Wood's

Hole Oceanographic Institute, Duke University and the South Carolina Marine Resources Division. These samples were collected using vibracores and bottom grabs. Two areas within the Charleston zone (Folly Beach and Seabrook Island) recently have completed beach nourishment projects and will require beach nourishment in the future. The U.S. Army Corps of Engineers is interested in locating adequate beach compatible sand reserves near Folly Beach for future use. Seismic surveys, vibracores and fathometer work is planned in the Folly Beach area in 1994 as a part of Year II activities of the Task Force. The Charleston area includes data on hard-bottom habitat collected by the SCWMRD and probable hard-bottom sites listed by Maps Unique, Inc. Approximately 17% of the records providing evidence of bottom type (excluding artificial reefs) indicated the presence of hard-bottom habitat. Most of this critical habitat is located further than three miles from the coast, although nearshore surveys for this region are limited.

Zone 4: South Islands (32°33'N to 32°02'N)

The South Islands zone contains 327 records (13% of the INTERMAR database). The records include a seismic survey conducted by Coastal Carolina University as well as 137 sediment sample analyses. Seismic data collected by Dr. V.J. Henry (Skidaway Institute, Georgia) was analyzed for bottom type and interpretation of sand reserve size will be made in the next year. Site-specific sediment surveys were conducted by Coastal Science and Engineering, Inc. in Hilton Head and Edisto Beach and by South Carolina Wildlife and Marine Resources in Port Royal. Sediment analyses were also provided in the south part of the state by the Wood's Hole Oceanographic Institute.

Records providing information on bottom type were collected from charts produced by Maps Unique, Inc. and from surveys conducted by the SCWMRD. Approximately 8% of these records (excluding artificial reef records) indicated the presence of natural hard-bottom habitat in this zone.

Biological Resources

Reef Habitats:

Hard-bottom reefs represent an important biological resource in South Carolina's nearshore and offshore waters. These reefs support a diverse assemblage of benthic fauna, including sponges, corals, algae, hydroids, bryozoans and many other taxa which, in turn, support a variety of other invertebrate and finfish species. Since most of the state's commercially and recreationally important finfish are associated with reef habitats, it is critical to protect these resources from adverse effects related to offshore dredging operations. As noted previously, the NOAA SEAMAP Bottom Mapping Program has begun to map the location of reef habitats on the continental shelf of the South Atlantic Bight through a standardized analysis of historical databases. Additional surveys of the ocean bottom off South Carolina have been conducted by the SCWMRD and other agencies to identify the presence of hard-bottom habitat. As summarized previously, approximately 250 historical data records have been identified indicating known or suspected hard-bottom reef habitat in the nearshore zone (0-10 miles). Other studies recently completed will expand this estimate considerably, but these databases were not available in time for inclusion in the Year I database. In general, there appears to be numerous areas throughout the coastal zone where reef habitats are extensive. However, most of these reefs appear to be located farther offshore than three miles; whereas, most borrow sites that would be useful for beach nourishment purposes would be located closer inshore (< 3 miles). The major exception to this pattern is the Grand Strand area where extensive reefs have been identified very near the beach along much of that area (Van Dolah and Knott, 1984; Henry, 1984). This necessitated a search by the U.S. Army Corps of Engineers for alternative borrow sites to be located farther offshore. Several of these sites were surveyed by the Marine Resources Division to identify the location of any sensitive habitats (Stender *et al.*, 1991; Maier *et al.*, 1992). Those surveys indicated that several reef patches were located within the boundaries of 4 of the 5 borrow sites proposed for use. Thus, careful planning will be required to ensure that the dredging activities in those sites will not damage the reefs. The reef habitats

present closer inshore may be adversely affected by the proposed Grand Strand nourishment project, either through smothering from sand movement off the beach or through increased turbidities, which can adversely affect the sessile fauna associated with these nearshore reef habitats.

To date, hard-bottom reefs have not been identified near existing or proposed borrow areas located elsewhere along the coast. However, our review of the existing databases indicates that bottom surveys in the nearshore zone south of the Grand Strand are limited. Thus, extensive surveys should be conducted in and around all areas proposed for use as borrow sites where data are lacking.

Nearshore Shrimp and Whelk Fisheries:

The shrimp fishery of South Carolina is the state's primary commercial fishery in terms of employment, capital investment and harvest value (Farmer *et al.*, 1977). In 1992, approximately 4.2 million pounds of shrimp (heads off) were collected off the coast of South Carolina (unpublished data, SCWMRD statistics section) which amounted to an estimated landings value of approximately $16.6 million dollars.

Shrimp are commercially harvested by trawling nearshore sand bottom areas, primarily within the zone extending from the beach to about 5-7 km (~3-4 mi) offshore. Along some sections of the coast, trawling is restricted to areas seaward of a line one-quarter to one-half mile from the shoreline from May to September 15. The shrimping season usually begins in May and ends in December or January.

Estimates of shrimp trawling activity along the coast of South Carolina were obtained through aerial overflights conducted over a 12 year period from 1980 through 1992 by the SCWMRD (Murphy, unpublished data). These flights began in early May and continued through August of each year. Average trawler densities along the coast during the survey period are depicted in Figure 3. No data were collected for North Myrtle Beach, Myrtle Beach and Garden City Beach, but these areas are generally not trawled because of the high incidence of reef habitat.

Among the areas where trawlers were observed, activity was highest (>6 trawlers/area

surveyed) for Morris Island, Hunting Island, Kiawah Island, Harbor Island, Racoon Key, Hilton Head Island and Turtle Island. Areas with moderate trawler densities (2-6 trawlers/area) included Murphy Island, Pritchards Island, Edisto Island, Otter Island, Folly Beach, Daufuskie Island, North Island, Sullivans Island, Isle of Palms, Bulls Island, Fripp Island, Cape Island, Sand/South Islands and Cedar Island. Areas with the lowest trawler densities (< 2 trawlers/area) were Seabrook Island, Dewees Island, Bay Point Island, Capers Island, Little Capers Island, St. Phillips Island, Debidue Island, Lighthouse Island, Pine Island, Huntington Beach, Pawleys Island and Litchfield Beach.

The only other significant commercial fishery that occurs in nearshore sand bottom habitats off South Carolina where dredging for beach nourishment is likely to occur, is trawling for whelks. The whelk fishery began in the spring of 1978 because the shrimp harvest for that year was poor (Anderson *et al.*, 1984). South Carolina possesses the largest subtidal whelk fishery in the United States with a total landings value of $104,461 for 1992 (unpublished data, SCWMRD statistics section). Whelk trawling is legal in all areas where shrimp trawling is legal and occurs from one-half mile to three miles offshore. Common methods for capturing whelks are pots or a modified otter trawls (Anderson *et al.*, 1985). The season extends from February to early May and closes when the shrimp trawling season begins (Anderson *et al.*, 1985; Theiling *et al.*, 1989).

Borrow sites for beach nourishment projects may be located in areas where there is likely to be high commercial trawling activities. Planning for beach nourishment projects should consider the probable conflicts that may occur with the commercial fishery since dredging activities during the shrimp or whelk trawling season could limit this activity or create pits that may cause damage or loss of trawl gear. If a borrow site must be sited in areas where trawlers are active, the design and use of borrow area should attempt to minimize conflicts with commercial fisheries that may need to use the same bottom habitats.

Other Beach and Nearshore Benthic Communities:

Although beach nourishment improves the level of protection for shoreline development and the recreational value of the beach, these nourishment projects can negatively affect many

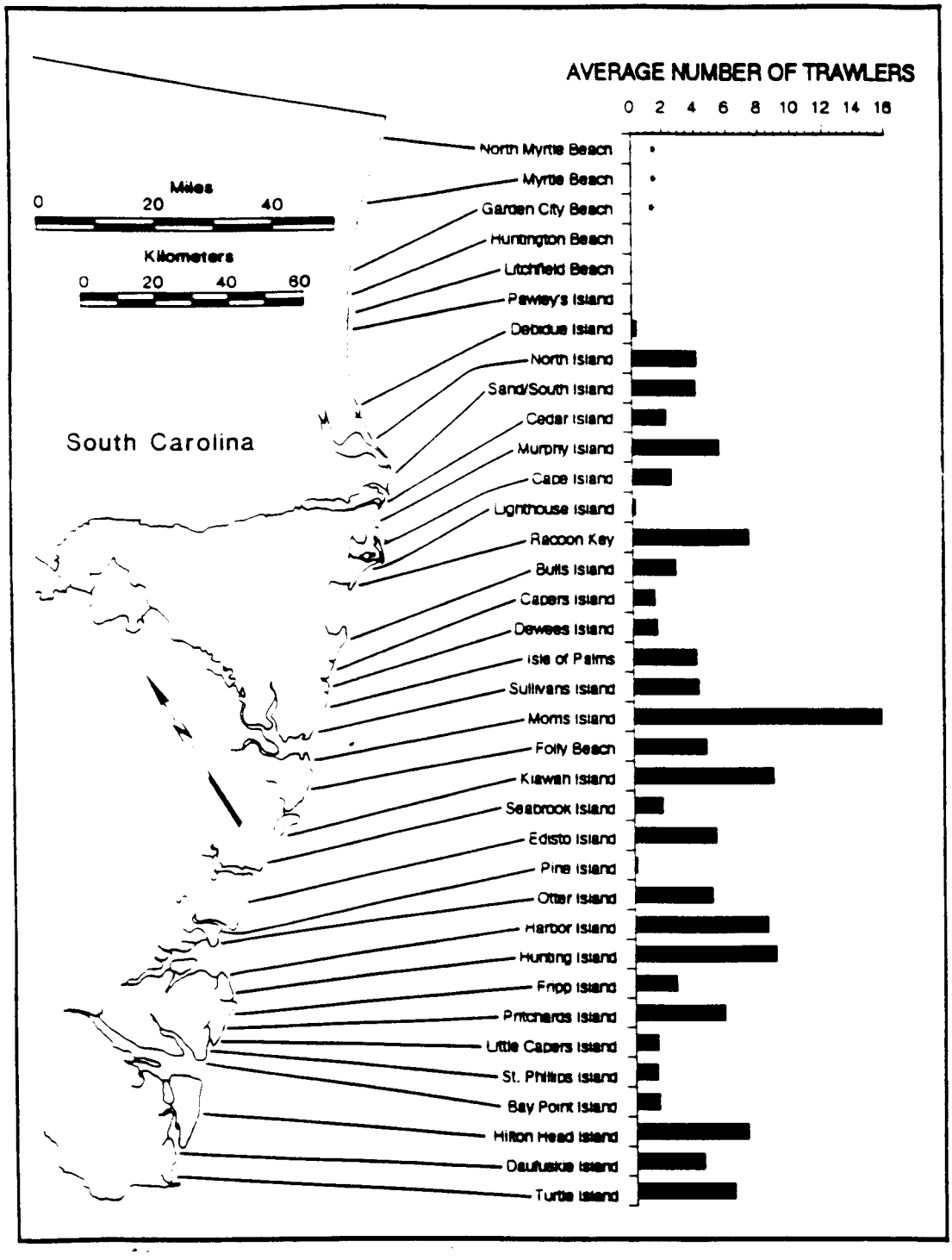

Figure 3. **Average number of shrimp trawlers observed off each barrier island during coastal overflights conducted from 1980 through 1992 by the South Carolina Wildlife and Marine Resources Department.**

of the biological resources that either inhabit the beach sands or the nearshore zone adjacent to the beach. The indigenous fauna of sandy beaches are primarily burrowing species that are well adapted to this constantly changing and relatively stressful environment. In the upper beach zone, dominant fauna generally include talitrid and haustoriid amphipod species, and ghost crabs of the genus *Ocypode* (Shelton and Robertson, 1981; Williams, 1984). Macrofauna typically found in the intertidal zone of South Carolina beaches include haustoriid amphipods, polychaetes, isopods, mollusks and some larger crustacean species, such as mole crabs (*Emerita* spp.) and burrowing shrimp (*Callianassa* spp.) in the lower intertidal and swash zones (Knott *et al.*, 1983; Baca and Lankford, 1988; Lankford *et al.*, 1988; Baca *et al.* 1990; Van Dolah *et al.* 1992). The abundance and diversity of these organisms generally increases with decreasing height in the intertidal zone and can vary seasonally.

Beach nourishment places large volumes of sand within the supralittoral and intertidal zones, which can smother organisms living in the sand unless they are able to leave the area or burrow up through the sand overburden. This section briefly summarizes biological monitoring studies that have been conducted in conjunction with beach nourishment or beach scraping projects in South Carolina.

The first major nourishment project to be monitored occurred at Myrtle Beach (Baca and Lankford, 1988). This project, which involved placing approximately 382,300 cubic meters (500,000 cu. yds) of sand along 5,029 m (16,500 ft) of beach, was completed in two phases beginning in December, 1985. Sand for each phase was obtained from upland sand deposits and trucked in. Monitoring of the benthic infauna on the beach at mean low water (MLW) and -1 meter from MLW indicated that impacts to the benthic communities were limited and relatively short-term (Baca and Lankford, 1988). Their analysis of the benthic assemblages indicated that recovery had occurred within six months of project completion with respect to faunal abundance, diversity and species composition.

Another major nourishment project was completed at Hilton Head Island between April and August of 1990. This project involved placing approximately 3.06 million cubic meters (2.34 million cu. yds) of sand along 10,688 m (35,000 ft) of oceanfront beach. Borrow sites for the project were located offshore at Gaskin and Joiner banks. The primary focus of the

biological monitoring study for this project, which was conducted by the SCWMRD (Van Dolah *et al.*, 1992, 1993), involved evaluating the effects of nourishment on the benthic communities at the borrow sites and on the beach. However, additional sampling was also conducted to examine planktonic assemblages and finfish populations in the nearshore ares affected by the project (see next section).

Surveys of the intertidal biota indicated that adverse effects resulting from the nourishment project were short-term. Recovery in the faunal parameters measured (abundance, diversity, species composition) occurred within three months. Dredging at the borrow sites showed greater effects on the infauna which persisted for a longer period of time. Faunal densities and species richness had recovered within 3-6 months after completion of the project. Species composition of the benthos had returned to pre-nourishment conditions within one year of the dredging activity at Gaskin Bank, but not at Joiner Bank. Muddy sediments accumulated in the borrow pit at this latter site, and the benthic assemblages were atypical of those normally found in the nearshore zone of South Carolina. These conditions persisted for at least two years after dredging, with no evidence of substantial recovery (Van Dolah *et al.* 1993).

The most recent beach nourishment project occurred at Folly Island during the winter and spring of 1993. This project involved placing approximately 1.9 million cubic meters (2.5 million cu. yds) of sand along 8.9 kilometers (5.5 mi) of shoreline. The borrow site for this project was located in the Folly River. Impacts of this project are being monitored by the SCWMRD and study results should be available in late 1994.

Biological sampling to evaluate the effects of beach scraping projects has been conducted at Pawleys Island, North Myrtle Beach, Hilton Head Island and the Isle of Palms (Lankford and Baca, 1987; Lankford *et al.*, 1988; Baca *et al.*, 1990, Coastal Science Associates, 1991). Sampling in all of these studies was limited to evaluating changes in the benthic infaunal assemblages on the beach. None of the studies documented significant alterations in the benthic assemblages that could be attributed to the scraping activities, but it should be noted that these studies were limited in the extent and number of samples collected. Even so, it appears that beach scraping does not result in a radical change in the composition of benthic assemblages inhabiting the beach sands and any negative effects appear to be relatively short term.

Based on the above studies, the primary concern related to benthic resources appears to be possible long-term impacts at the borrow sites used, especially if those sites fill with sediments that are atypical of those found at the site prior to dredging. Future nourishment activities should include a comprehensive benthic monitoring component to evaluate the period of time required for the borrow site to recover to pre-nourishment conditions, both with respect to the benthos and bottom sediment composition.

Nearshore Planktonic and Finfish Assemblages

The effects of beach nourishment projects on nearshore planktonic assemblages has been identified as an issue of concern by the South Carolina Shrimpers Association and the South Atlantic Fishery Management Council. Their primary concern is that dredges entrain a lot of bottom water that may result in the mortality of large quantities of larval and post-larval organisms, particularly those species that are economically important. To address these concerns, three studies have been conducted to identify the species composition of plankton in the bottom waters near a dredging operation. Samples have also been collected in the surf zone near the pipeline outfall to identify organisms that could be affected by high turbidity levels.

During the Hilton Head Beach nourishment study, plankton tows were made at the offshore dredge site and in the surf zone to identify the presence of several species of recreational or commercial importance (Van Dolah, *et al.* 1992). These included blue crab megalopae, pink, white and brown shrimp postlarvae and larval forms of kingfishes, Atlantic croaker, red drum, spotted seatrout and seabass. Estimates of entrainment of these species by the dredge appeared to be small compared to the number of larvae typically spawned by adults of each species considered. Differences in faunal similarity among sites did not appear to be related to affects of the nourishment operation.

Planktonic resources also were monitored during the Seabrook beach nourishment project (Coastal Science Associates, 1990). The dominant organism collected in the samples was *Neomysis americanus*. The investigators also noted that the nearshore larval and postlarval fish community exhibited a significant reduction in numbers of individuals immediately after the dredging activity when compared with samples taken during dredging. However, none of the

species collected in these samples included the priority species listed above. The authors suggested that the reduction in larval fish abundance (but not species count) may be attributed to the loss of shoal habitat. The investigators also hypothesized that the large numbers of fish collected in plankton tows during dredging could be a reflection of the fish feeding on the benthic community exposed during the dredging. Few species were collected which are economically important. The investigators concluded that their results indicated short-term impacts do occur to certain species. Long-term impacts, if any, are unknown.

Additional sampling has been conducted to identify the planktonic assemblages in the Folly River during the period it was dredged for the Folly Beach nourishment project. Three species of concern were collected in the samples (brown shrimp, blue crab and flounder), with brown shrimp being found in the highest densities (Whitaker, SCWMRD unpublished data). The data suggest that shrimp postlarvae are vulnerable to a dredge, but that the mortality rate could be relatively low if they remain in shallow water and exhibit vertical diurnal migration. Based on the estimated volume of water entrained by the dredge, Whitaker (SCWMRD, unpublished data) concluded that mortality of brown shrimp postlarvae could approach 1.4 million postlarvae in a two week period. However, the overall impact on the resource is still considered to be minor based on natural mortality rates for this species.

The effects of beach nourishment operations on finfish populations present in the nearshore zone have not been well studied in South Carolina. Finfish were sampled in the biological monitoring program conducted at Hilton Head Island to determine whether economically important species were present at the shoals where the dredge was operating (Van Dolah *et al.*, 1992). Forty-one species were collected in this effort, including several that are considered recreationally important. Based on an analysis of the stomachs from the fish collected, most of the species observed at these shoals should not have been affected by the removal of benthic resources in the bottom sediments at the dredged sites (Van Dolah *et al.*, 1992). That study also included a limited sampling effort to identify larger fish and crustacean species that were entrained by the dredge. The only fish species that was relatively abundant in the catches was the sea catfish, *Ariopsis felis*.

Studies are lacking on the effects of beach nourishment on fish populations in South

Carolina. The SCWMRD is conducting a long-term monitoring study of nearshore finfish and crustacean assemblages through funding by the NOAA SEAMAP program, but these data only identify the species that may be affected by nourishment operations. Boylan *et al.* (1993) provides the latest summary of the catch data obtained from that program. More research is needed to resolve whether beach nourishment projects have adverse affects on nearshore finfish assemblages.

Sea Turtle Nesting

The effects of beach nourishment on the nesting success of threatened or endangered sea turtle species is another major concern related to beach nourishment projects completed in southern regions of the United States. The threatened loggerhead turtle (*Caretta caretta*) is commonly found nesting on South Carolina beaches. Sea turtles emerge from the ocean at night, lay their eggs in a nest cavity in the supralittoral zone, and return to the ocean. Nourished beaches can restore or provide suitable nesting habitat for sea turtles, especially in areas that are severely eroded. However, some physical aspects of the nourished beach can negatively affect the viability of turtle nests and nesting activities, and proposals to conduct nourishment projects during the nesting season have generated considerable debate, particularly in Florida.

The SCWMRD has surveyed sea turtle nesting populations since 1980 by periodically conducting aerial overflights of the coastline. Data collected by S. Murphy (unpublished) during the years 1980-82, 1985-87, and 1990-92 are summarized in Figure 4 and Table 6. Nest densities were determined by dividing the estimated number of nests observed per year on each island or beach by the length of each island or beach. No data were collected for the northern-most beaches; North Myrtle Beach and Garden City Beach. These beaches were not sampled due to the historical lack of turtle nesting activity in these areas (S. Murphy, SCWMRD; pers. comm.).

The island or beaches were rated according to their average nest density for all nine years. The scale used is: < 10, low nest density; 10-20, moderate nest density and > 20, high nest density. The following beaches consistently had low nest densities: Huntington, Litchfield, Pawley's, Bulls, Capers, Dewees, Isle of Palms, Sullivans, Morris, Folly, Hilton Head,

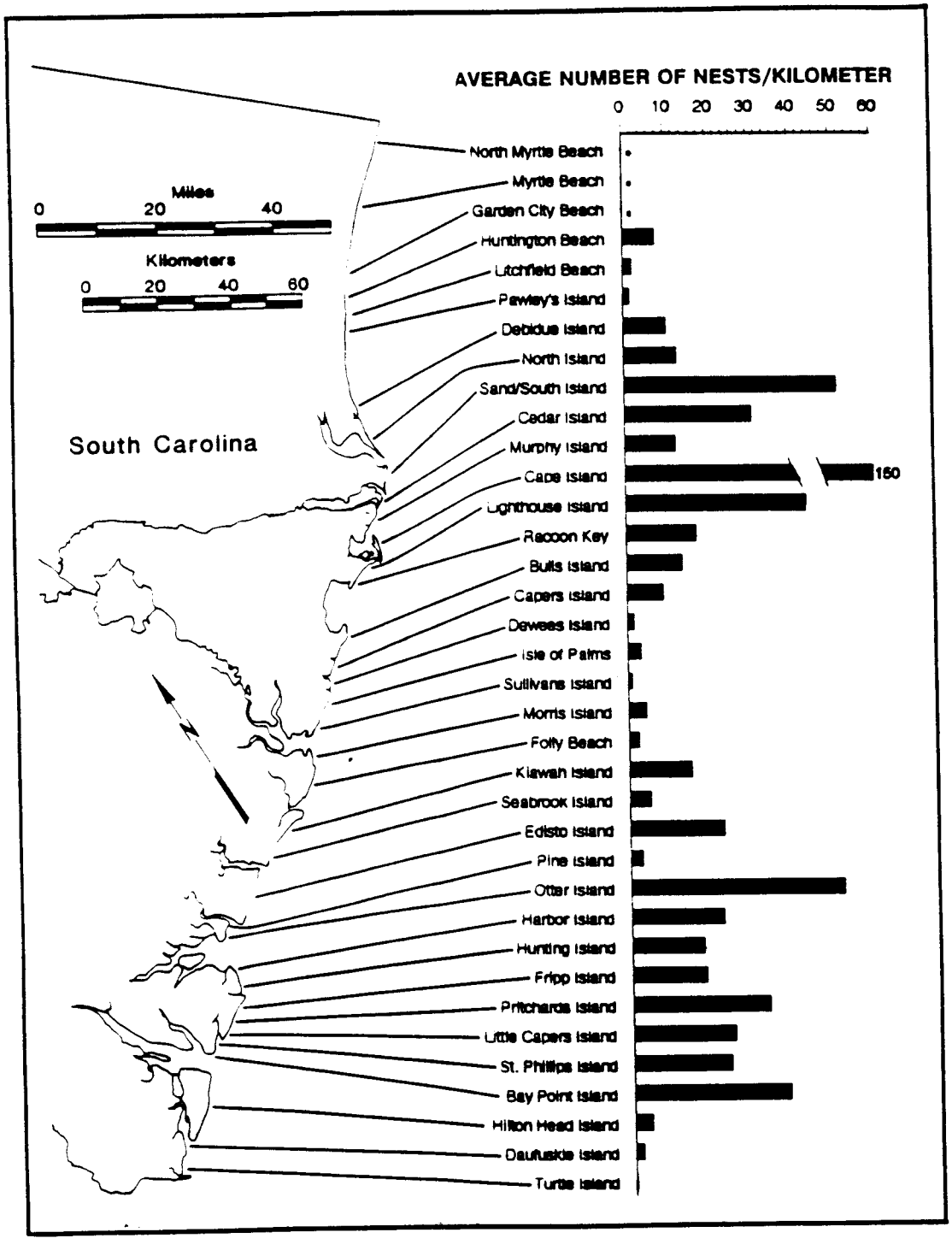

Figure 4. **Estimated density of loggerhead sea turtle nests along the South Carolina coastline during surveys conducted from 1980-1992.**

Table 6. **Estimated density of loggerhead turtle nests along the South Carolina coastline from 1980-1992. See text for details on how densities were estimated.**

Beach/Island	Beach (km)	Nest Density (Est. #/km) 1980	1981	1982	1985	1986	1987	1990	1991	1992	Avg. Nests Per 9/Yr Period
N. Myrtle Beach	-	-	-	-	-	-	-	-	-	-	-
Myrtle Beach	-	-	-	-	-	-	-	-	-	-	-
Garden City Beach	-	-	-	-	-	-	-	-	-	-	-
Huntington Beach	2.0	5.5	11.4	0.0	2.7	19.1	5.0	5.5	19.1	0.0	7.6
Litchfield Beach	7.0	1.7	3.8	2.1	0.0	3.3	3.1	1.7	2.5	0.7	2.1
Pawley's Island	5.8	0.0	1.9	4.0	0.0	2.1	0.0	2.1	3.1	0.0	1.5
Debidue Island	7.1	11.4	17.0	5.4	10.9	12.7	6.5	5.9	14.4	7.0	10.1
North Island	13.5	11.0	22.6	8.4	11.9	14.7	8.3	16.7	8.0	11.2	12.5
Sand/South Island	4.0	40.5	73.6	41.0	48.0	65.8	38.4	61.0	45.0	46.7	51.1
Cedar island	4.3	32.1	44.9	49.5	28.1	54.4	9.1	20.7	23.7	11.6	30.5
Murphy Island	9.0	16.4	26.2	16.9	4.2	14.7	4.9	8.6	10.0	6.8	12.1
Cape Island	8.0	167.0	210.8	160.9	98.1	168.9	114.6	170.1	132.3	133.3	150.6
Lighthouse Island	3.0	63.0	41.7	71.0	34.0	60.0	31.3	29.7	38.0	22.0	43.4
Racoon Key	10.5	19.8	48.3	14.6	25.6	18.0	12.2	4.0	5.3	2.2	16.7
Bulls Island	5.2	7.5	47.1	6.5	6.7	15.4	5.2	9.1	10.3	11.1	13.2
Capers Island	4.0	13.3	9.4	15.8	8.7	9.2	4.2	5.8	6.9	3.9	8.6
Dewees Island	10.0	3.0	2.8	2.0	3.3	0.0	0.0	1.5	0.0	1.3	1.5
Isle of Palms	6.3	1.8	9.7	2.3	5.1	3.0	1.7	0.6	0.0	3.5	3.1
Sullivans Island	5.4	1.9	0.0	0.0	0.0	1.9	0.8	0.0	1.9	1.6	0.9
Morris Island	10.4	0.0	6.1	4.3	4.8	8.9	4.1	4.4	4.4	0.9	4.2
Folly Beach	15.0	4.4	2.6	2.2	1.3	2.9	2.7	1.2	1.7	1.9	2.3
Kiawah Island	6.4	14.0	27.3	17.1	11.8	15.6	7.7	17.9	9.6	12.8	14.9
Seabrook Island	18.3	5.8	9.5	6.9	0.5	3.8	3.4	3.8	3.8	7.8	5.0
Edisto Island	4.1	16.1	30.6	19.4	17.4	29.5	13.2	30.2	24.3	22.6	22.6
Pine Island	4.3	2.9	13.4	2.0	3.2	1.5	1.2	0.0	0.0	1.2	2.8
Otter Island	2.0	59.8	79.8	77.0	45.4	39.1	25.6	44.2	33.5	60.9	51.7
Harbor Island	7.0	11.0	55.0	17.0	22.5	30.0	8.5	12.0	24.0	20.0	22.2
Hunting Island	6.0	7.4	19.6	18.1	25.0	19.7	15.0	21.3	10.3	19.4	17.3
Fripp Island	4.0	35.0	29.3	17.0	20.2	29.0	9.2	7.0	10.0	3.3	17.8
Pritchard Island	4.0	21.5	55.3	43.8	25.5	34.5	17.3	43.0	31.5	26.5	33.2
Little Capers Island	1.3	12.8	32.5	8.8	20.8	39.0	8.3	31.3	33.0	35.3	24.6
St. Phillips Island	5.0	37.7	33.9	6.2	24.6	32.3	30.0	18.5	9.2	19.2	23.5
Bay Point Island	29.0	37.8	62.6	52.8	39.0	34.8	28.6	26.2	22.8	36.4	37.9
Hilton Head Island	8.1	2.1	0.0	3.6	4.0	4.6	5.0	5.5	2.5	9.4	4.1
Daufuskie Island	4.0	0.0	0.0	4.2	4.0	0.0	0.6	1.5	0.7	5.8	1.9
Turtle Island	4.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Daufuskie and Turtle Island. Debidue, North Kiawah and Hunting showed moderate nest densities. Islands that displayed high nest densities are: Sand/South, Cedar, Cape, Lighthouse, Edisto, Otter, Harbor, Pritchards, Little Capers and Bay Point. Murphy, Fripp and St. Phillips had variable ratings.

Nourishment projects planned for islands where turtle nesting is common will need to consider methods to avoid impacts to this species. Generally, this is most easily accomplished by conducting the nourishment projects during periods when turtle nests are not present on the beach.

If hopper dredges are used in a nourishment operation, there is the potential for sea turtles to be entrained by the dredge. This has not been an issue in previous nourishment operations in the state, since only pipeline dredges have been used and these dredges are not known to entrain sea turtles.

Birds

The beaches of South Carolina support a large number of shore birds and sea birds, including the Piping plover and least tern, which are on the U.S. Fish and Wildlife's list of threatened species (USFWS, 1993). Many of these birds are present throughout most or all of the year, while others are present only for limited time periods (e.g., as overwintering flocks). Dependent on the species, birds use the beach and associated dune systems as nesting or foraging habitat, or as a place to rest or roost. The habits of the birds most commonly found on South Carolina beaches is provided in Table 7.

Beaches that appear to be most important for bird nesting include: Cape Romain, Bulls Island, Marsh Island, Bird Key, Devoe Bank, Pritchards Island (north end) and Otter Island (P. Laurie, SCWMRD pers. comm.). Most of the sea birds and shore birds that nest on beaches are very selective in choosing a nesting site, and they tend to be intolerant of noise and human disturbance. As a result, most species do not tend to nest in developed areas where beach nourishment is likely to occur. When a nourishment operation does take place near a sensitive nesting habitat, timing of the project to occur during the winter months should minimize adverse impacts on this species. Where islands are erosional, nourishment can help to protect nesting

habitats (e.g., Bird Key).

Birds that overwinter or feed on the beaches include several species of gulls, sand pipers, and related species (family Scolopacidae) and plovers (family Charadriidae) (Table 7). These birds may be impacted less by dredging operations than birds that nest since they can utilize other beaches during the period of disturbance. However, it should be noted that studies are lacking on the effects of beach nourishment on bird foraging and other activities.

Table 7. Listing of seabirds and shorebirds commonly found along South Carolina's coastline.

	Species	Nests on on Beach**	Feeds on on Beach	Resident of S.C.	Breeds in S.C.	Seasons Present
Sea Birds	Amer. Oystercatcher	Y	N	Y	Y	YrRnd
	Black Skimmer	Y	N	Y	Y	W,Sp,Su
	Caspian Tern	Y	N	Y	Y	Sp,Su
	Common Tern	N	N	Y	N	Sp,F
	Forster's Tern	N	N	Y	?	Yr Rnd
	Gull-billed Tern	Y	N	Y	Y	Sp,Su
	Least Tern*	Y	Y	Y	Y	Sp,Su
	Royal Tern	Y	N	Y	Y	Sp,Su,F
	Bonaparte Gull	N	Y	Y	N	W,Sp,F
	Herring Gull	N	Y	Y	N	W,Sp,F
	Laughing Gull	Y	N	Y	Y	Yr Rnd
	Ring-billed Gull	N	N	Y	N	W,Sp,F
Shore Birds	Black-Bellied Plover	N	Y	Y	N	W,F
	Piping Plover*	N	Y	Y	Y	W,Sp
	Semipalmated Plover	N	Y	Y	N	W,F
	Wilson's Plover	Y	Y	Y	Y	Sp,Su
	Least Sandpiper	N	N	Y	N	Sp
	Semipalm. Sandpiper	N	Y	Y	N	Yr Rnd
	Sanderling	N	Y	Y	N	W
	Dunlin	N	Y	N	N	Sp
	Red Knot	N	Y	Y	N	W
	Ruddy Turnstone	N	Y	Y	N	W
	Willet	Y	Y	Y	Y	Yr Rnd
	Brown Pelican	Y	N	Y	Y	Yr Rnd

* Threatened Species
** Beach nesting habitat includes foredune and backdune areas

Endangered Plants

The U.S. Fish and Wildlife Service recently has placed the seabeach amaranth (*Amaranthus pumilus*) on its list of threatened plant species. This plant is known to be present on beaches at Garden City, Myrtle Beach State Park and Debidue Island (L. Duncan, USFWS; pers. comm.). Beach nourishment projects completed where the seabeach amaranth is present will need to incorporate measures to protect this species from adverse effects related to construction activities, but the Service does note that nourishment can have a positive impact on this species (Federal Register, 1993).

Trends in Shoreline Movement

Database of Aerial Imagery

Aerial photographs can serve as an important resource in making coastal management decisions. Aerial photographic coverage of the South Carolina coastline dates back to 1951, and thus provides over forty years of valuable historic information concerning changes in barrier island morphology. The most complete set of coastal photographs are archived at the South Carolina Coastal Council (SCCC) office. To provide for quicker retrieval of information on these photographs, an easy to use graphical index was compiled for photographs taken between 1977 and 1990.

Methods:

The South Carolina Coastal Council provided access to aerial photographs which are stored in their Charleston office. These photographs are represented as flight lines drawn on standard USGS 7.5' quadrangle maps. Information concerning the location, type, date flown, scale, etc., was gathered for each of the 3057 photographs available to develop the database. Maps and flight line locations were redrawn and scanned. These digital images were scaled and integrated into a HyperCard® program. Larger scale (1:250,000) U.S.G.S. map sheets were scanned and used as index maps.

The archive index uses HyperCard®, a commonly available Macintosh® software program to run the database file. In HyperCard®, information appears on cards that contain both text and graphic information. One or more cards are grouped together into stacks, but only one card and one stack can be displayed at a time. Along with a "home" card, this index consists of four stacks that contain a total of 348 cards, and utilizes a point and click system to maneuver through the stacks. It is a rapid, user-friendly system for identifying available aerial photographic coverage.

Results:

After a brief introduction to HyperCard® and an overview of the index, the first card one views is an index map of the South Carolina coast divided into four 1° blocks (Figure 5). By clicking on one of these 1° blocks, the viewer is directed to an enlarged map of that block

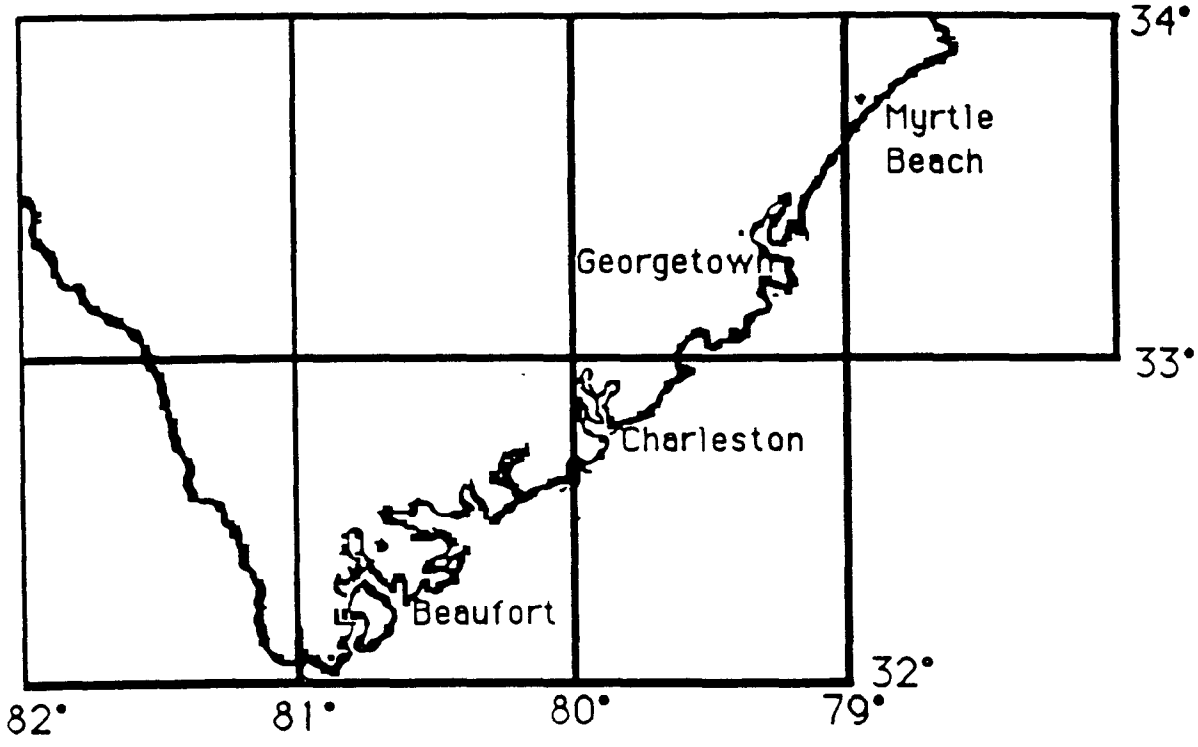

Figure 5. South Carolina divided into 1° blocks.

divided into several smaller 7.5' blocks. For example, if the user selects the Beaufort section, a coastal map divided into 7.5' blocks would appear (Figure 6). Selecting one of these blocks will take you to a detailed map for that area (Figure 7). Flight lines with identification numbers have been drawn on these maps. By selecting one of the numbered flight line boxes, the user will be directed to a card containing pertinent information about that flight line. This photo information stack contains 276 cards that includes information pertaining to the year, scale and type of photograph taken, as well as the archive location of the photograph (Figure 8).

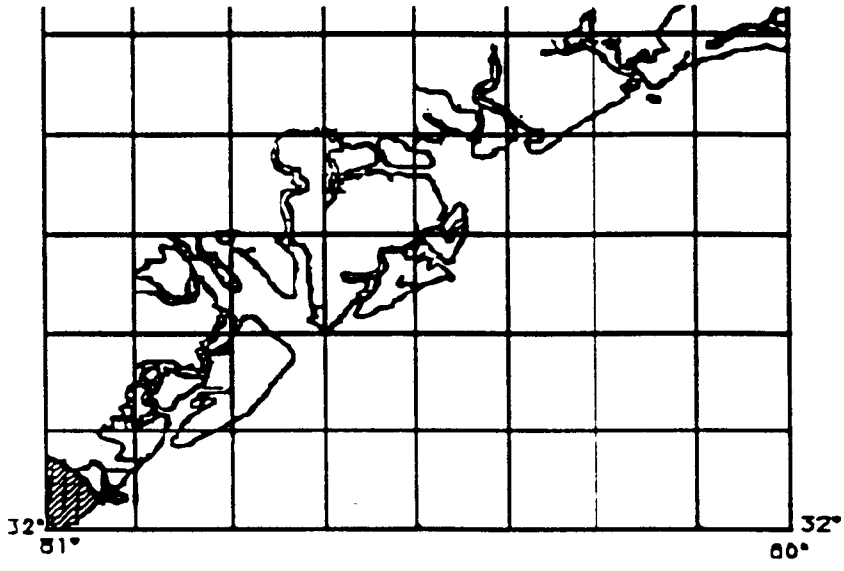

Figure 6. The coastal segment of the 1° Beaufort map divided into 7.5' sections.

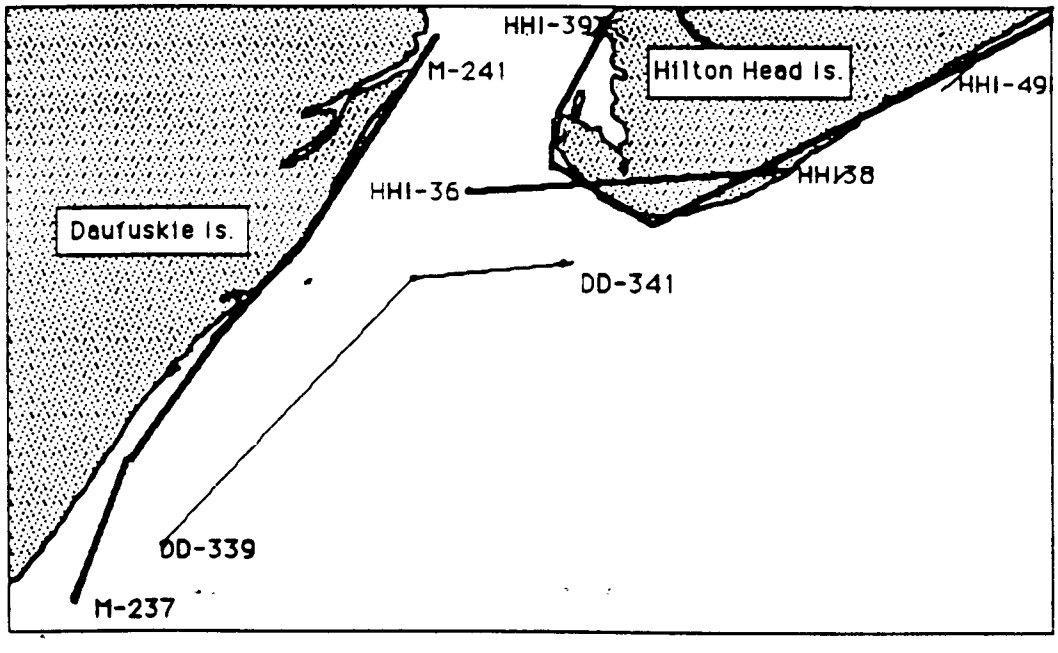

Figure 7. An example of a detailed map of the barrier islands with flight line information.

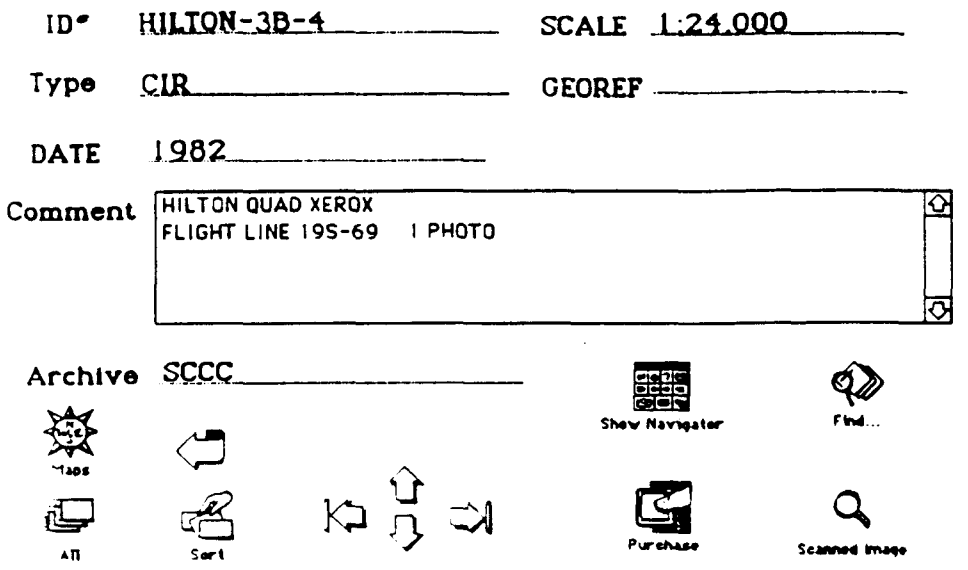

Figure 8. An example of an aerial photograph information card.

A summary report about the information stack is found in Appendix 6. Appendix 6 contains information about the location, scale, date and other data about the aerial photographic coverage for each flight line. Information from either a single card or a formatted report can be printed using this program.

This computer database has proved to be a good first step in the development of a simple graphic index and image retrieval system for all coastal aerial photographs. This front-end database coupled with a photo CD-ROM could provide an archive of coastal aerial photographs that could be used by all coastal researchers.

Image Processing

Two barrier islands along the South Carolina coast, Folly and Hunting islands, have experienced a long history of coastal erosion and hence were selected as the sites for preliminary investigation. Folly Island, located south of the Charleston Harbor entrance channel, was adversely affected by the construction of the Charleston Harbor jetties in the late 1800s.

Hunting Island is located 40 miles south of Charleston near St. Helena Sound. In the first year of this study, we elected to apply two different image processing techniques to investigate shoreline change.

For Folly Island, we used labor intensive but high precision techniques that rely on expensive scanning equipment and software. In the case of Hunting Island, we used more commonly available computer equipment and software to develop a more rapid analytical technique. These trial studies were meant to test different procedures and to develop new methodologies to evaluate coastline change. Since the procedures used to analyze Folly Island utilized more sophisticated methodologies, more time is devoted to describing those procedures.

Folly Island

Scanning:

The scanning procedure establishes the pixel resolution, pixel brightness and file size for the scanned images. Even though the source data varied in scale, the images were scanned so that the resolution per pixel would be less than 3'x3' for the air photos and 6'x6' for the topographical sheets (T-Sheets).

The expression used to establish pixel resolution was:

Aerial Photos: $(S/12 * W)/N$

Where: S = scale of air photo or map given in inches

W = the width of the scanned portion of the aerial photo or map in inches.

N = the # of rows or columns scanned.

T-Sheets: $(6066.72 * n)/N$

Where: 6066.72 = the # of feet in a minute of latitude.

n = # of minutes of latitude within the area being scanned.

N = the # of rows or columns scanned.

The ESCAN module within ERDAS 7.5 was used to capture the electronic information from the Eikonix Camera. Within ESCAN, the camera could be initialized, focused and the correct exposure time (integration time count) selected. The ESCAN module provided a focus setup that differentiates adjacent pixels and displays the results (the higher the value, the greater the image contrast). However, a very high value may indicate that too much light had passed through. Typically, this was not the case while scanning the negatives.

Data used in the assessment of Folly Island are listed in Tables 8 and 9. An important variable taken into consideration during scanning was the image orientation. First, if avoidable, areas of Folly Island that were located along the edge of the film were not scanned. Secondly, the aerial photos and T-Sheets were at relatively small scales, and in order to obtain a higher image resolution, the focal length was kept small.

After the images were scanned, image enhancement adjustments were tested and performed. The scanned dia-positives displayed very bright pixels within the unconsolidated sand areas (beach zone). Since some of this saturation may have been caused by "hot spots" from the light table, the brightness of the light table was subtracted from the image.

Ground control points (GCP) were selected to match known map coordinates. These points were used as the input data to create transformation matrices that will translate, rotate and warp an image into a chosen map projection.

The scanned T-sheets were registered to a geographical reference grid. The intersection between latitude and longitude was utilized to determine GCPs for these scanned images. First, the lat/long points were input into a coordinate conversion software program, CORPSCON. The points were converted from NAD 27 geographic coordinates to NAD 27 state plane zone 3900 (Intl. Feet) and from NAD 83 geographic coordinates to NAD 83 state plane zone 3900 (Intl. Feet). The output was entered into a .gcp file through the keyboard.

The 1988 dia-positives had ground control points drilled into them. These points were established prior to the flight and were referenced to the South Carolina State Plane coordinate system. A few flight line frames from other dates, 1982, 1973, 1963, and 1949, were then compared using a Zoom Transfer Scope. There were only four common man-made features that were observed for each of these dates. Usually, at least six good ground control points are

Table 8. Dates and areas scanned for Folly Island along with the parameters used to scan these images. (All images were scanned at F-stop 11. Integration Time Count (ITC) was set for average brightness of 15.)

Date	Resolution	ITC
1858	5.37'x5.37'	15,694
1864	5.18'x5.18'	15,000
1900	3.75'x3.75'	22,000
1921	3.08'x3.08'	
1933	3.19'x3.19'	29,367
1949	1.78'x1.78'	21,616
1953	1.78'x1.78'	25,312
1953	1.78'x1.78'	25,312
1958	3.42'x3.42'	23,491
1963	1.78'x1.78'	23,357
1973	1.78'x1.78'	30,188
1982	2.56'x2.56'	
1988	1.3'x1.3'	9,232
1989	1.17'x1.17'	7,915

Table 9. Information about the images for Folly Beach that were made available through the S.C. Coastal Council.

Date	Scale	Type
1858	1:20,000	T-Sheet 714
1864	1:10,000	T-Sheet 964
1900	1:10,000	T-Sheet 2488
1921	1:10,000	T-Sheet 3843
1933	1:10,000	T-Sheet 5183 & 5184
3/7/49	1:20,000	Negatives of Air Photos (Fl.: 107, 109, 121,129)
3/28/53		Negatives of Air Photos (3/28/53 Fl:166 5/25/54 Fl.: 210, 4, 122)
1958	1:10,000	T-Sheet 1131
11/8/63	1:20,000	Negatives of Air Photos (Fl.: 3EE-240, 4EE-101, 107, 233)
1966	1:10,000	T-Sheet 12609 & 12286
3/1/73	1:40,000	Negatives of Air Photos (Fl.: 117, 135, 136)
5/15/82	1:24,000	Infra-Red Prints of Air Photos (36N, 37S)
7/1/88	1:6000	Dia-Positives of Air Photos (Fl.: 36-3. 36-7. 36-11...)
10/5/89	1:4800	Prints of Air Photos (Fl.: 238 through 250)
6/30/93	1:4800	Dia-Positives of Air Photos (These are in the process of becoming available)

needed to be able to translate the image into an acceptable map projection. Besides having only found four points, all of the points did not fall within a scanned image due to attempts to improve resolution. More extensive review with the Zoom Transfer Scope will be needed so that other features, including natural features, also might be identified.

Ground control features were located by on screen identification. They included: buildings, road intersections and natural features. The ERDAS 7.5 GCP module was used, and a .gcl file of map coordinates was constructed. Both the image with known map coordinates (1988 flight 3611), and the image with file coordinates were displayed on the screen. Points from each image were selected using a "chip extractor" magnifier and mouse.

The rectification process applies to the orientation of an image relative to a known map coordinate system and helps eliminate systematic and geometric error associated with the image. These errors can be incorporated into the image during the time of flight line capture as well as during scanning. Errors even can be introduced from damaged media during storage. In addition, the results from rectification can be important because they aid in determining changes over time. The images can be compared to each other because the rectification process translates and resamples each date onto the same map projection and at the same resolution.

The command structure NRECTIFY was used to rectify the image into a map projection. During this process the pixels were also resampled to a specified pixel size. In the beginning, the plan was to resample up to 4'x4' pixels, it was later changed to 2'x2' pixels. This change was made so that a higher resolution could be maintained during the on-screen digitization of shoreline position.

A quick method for determining how well the different images were rectified within the state plane map coordinate system involved on-screen digitization of features that were represented in each image. The location of common roads or distinct driveways, as well as groins, were digitized using the command DIGSCRN. Within DIGSCRN, points, lines and polygons could be digitized as separate classifications. If the image (from which on screen digitization was performed) was geo-referenced, the vector digital point, line or polygon file also will store the same map coordinates. To examine adjacent images for that date, driveways and other distinct features which were common in each adjoining image were digitized. Once these

features were digitized, they were viewed in a display driver with the command DISPOL. Using the command SMEASURE, one is able to measure distances between line elements that should have been displayed in the same map space.

Digitizing the shoreline by photo-interpretation of the images on the computer display driver was the approach used in capturing a boundary that describes the shoreline. The T-sheets contain previously determined shoreline positions represented as mean high water. These lines were clear on the screen. No additional aids were necessary to digitize them into a vector .dig file. However, the aerial photo images were treated differently. A light table, stereo-pair prints and a stereoscope were used to help delineate the shoreline. Fritz Aichelle of the South Carolina Coastal Council assisted in the determination of the shoreline position. He used the position of seaward-most vegetation to delineate the shoreline.

Even though several dates were rectified, only one frame from each of the aerial photos for 1988, 1982, and 1963 was digitized. For the T-sheets, years 1958 and 1966 were also digitized. Images for dates 1989 and 1973 were not digitized. The 1989 aerial photos of post-hurricane Hugo shoreline were not utilized because it was expected that the dune and beach area along Folly Island would stabilize and rebuild quickly after the storm. This shoreline would not be a good indicator of a shoreline position for a long-term shoreline change study. Currently, no stereo-pair prints were available for 1973 to digitize this image. In addition to the shorelines being digitized, various features from aerial photos (1988, 1982, 1966, 1963, 1958) also were digitized and classified. This facilitated the ability to export the digital files to a raster data structure within ERDAS as well as other software that utilizes a vector data structure. The digitized features include roads, buildings, groins and bulk-heads.

Summary of mapping techniques:

Utilizing ERDAS image processing software in conjunction with vector based software seems promising. Editing the raster images corrected for distortions brought into the image was accomplished before the shoreline was digitized. The flexibility of having the scanned image available as a backdrop to the digitized shorelines was also beneficial.

However, there were problem areas that needed to be addressed. First, there were some

scanning problems. Some of the 1988 images were very bright and did not allow for accurate rectification. Also, the selected pixel resolution limited the available GCPs. To resolve these problems, further viewing of aerial photographs taken on different dates through the zoom transfer scope was undertaken in order to carefully section the images into the smallest areas for scanning purposes. This procedure would not only locate dependable GCPs but would maximize resolution to an acceptable rectification level. The scanning process had also improved with time. The 1988 images could be better scanned in order for the pug points to be resolved more clearly. In addition to scanning, the rectification resampling was not held constant. Maintaining a high resolution until the shoreline can be delineated would be important. The results of rectification will determine if photo sequences can effectively be compared to analyze changes in shoreline position.

Results:

The shoreline features were overlain to evaluate the results. As expected, due to questionable rectification results, features offset each other as much as 35.7 meters. Within ERDAS, the SMEASURE command enables one to measure distances of offset; however, the command structure did not allow for precise measurements.

Although the locations of these shorelines were not exactly oriented with respect to each other, the shape and proportions within each shoreline scan should be representative. To further examine the digitized shorelines, each file representing features and shorelines was exported into a more graphic oriented software program (ArcInfo) that could better handle the vector files. Holding the base year (1988) constant, other dates were referenced to it. Since the location of the intersecting groins located near Lighthouse Inlet were represented on photos dating back to 1963, this feature was used as a datum point to measure levels of accuracy. The results of shoreline positioning also were based on the angle of offset from these groins. A composite map was made that included the shorelines and only the 1988 groins near Lighthouse Inlet using ArcPlot. These images were then imported back into ERDAS as .dig files. The files were rasterized and viewed by displaying them over the image file representing the same area.

Along Folly Island, the northern end of the island experienced the most shoreline change.

For this reason, we focused our efforts (in this initial development phase of the study) on this dynamic section of the island. Figure 9 shows shoreline changes between 1963 and 1988.

Table 10. Linear change in meters at six locations along the north end of Folly Beach.

Years	A	B	C	D	E	F	Total
63-66	37.1	19.1	4.8	-9.5	21.0	9.5	81.9
66-82	-50.5	-39.1	-17.1	16.2	-71.4	-45.7	-23.7
82-88	9.5	0	9.5	9.5	0	0	28.6
Sum	-3.8	-20.0	-2.9	16.2	-50.5	-36.2	

Of the six locations indicated on the composite photograph (Figure 10), accretion has occurred at only one location (Table 10, site D). Since 1966, the shoreline has accreted in excess of 24.4 meters seaward of its original position. This seaward migration is, a result of the entrapment of sand in longshore drift by the presence of a terminal groin. Longshore sediment transport is to the north along this segment of the island as a result of wave refraction around the Lighthouse Inlet ebb tidal delta shoals. The highest erosion rate was location E (-30.5 m) which is situated along the inlet margin. The southerly migration of the main ebb channel associated with Lighthouse Inlet has impinged along this end of the island, resulting in significant shoreline retreat (-50.5 m).

Hunting Island

Methods:

The second method utilized a Macintosh® computer and low cost software to develop an image processing method that would provide rapid and accurate determinations of coastal

Folly Beach
Historical Shoreline Mapping

Image: 1988
Rectified: Nearest Neighbor
Resampled 4' X 4'
State Plane

Legend:
1988 Shoreline
1982 Shoreline
1966 Shoreline
1963 Shoreline

Figure 9.

Figure 10. Northern tip of Folly Beach with the transect locations shown in Table 10. Black and white copy of Figure 9.

change. A black and white flatbed scanner (ScanJet Plus) was used to quickly produce accurate, high resolution digital images of the photographs. The initial images were processed using Adobe Photoshop. Aerial photographs from 1951, 1955, 1959, 1972, and 1988 constitute the historical data set for Hunting Island. These photographs were at different scales (Table 4), and the images were scaled to 1:20,000 for comparison purposes. The 1951 image was used as the base map. With the exception of the 1972 image, two or more images were needed to cover the entire shoreline of the island. Because of the difficulties encountered in scaling and rectifying the 1988 photographs we did not include information from that year for analysis. To complete the shoreline, Hunting Island shoreline segments were overlapped and stitched together. Shorelines were delineated using the vegetation/beach boundary which is the same criteria used by the South Carolina Coastal Council to delineate shorelines. After computer images were scaled to 1:20,000, shorelines and infrastructure (roads and bridges) control points were outlined and extraneous portions of the image were digitally removed. Once accurate shoreline outlines were compiled for each year, they were overlapped to determine the amount of shoreline change. Overlap images were scaled and rotated to match control points. The amount of shoreline changes was calculated for successive images using the National Institute of Health's program, Imagine 1.45. Random transects running perpendicular to shore were used to measure shoreline retreat.

Table 11. Information about the images for Hunting Island.

Year	Scale	Type
1951	1:20,000	B& W Positives
1955	1:20,000	B& W Positives
1959	1:20,000	B& W Positives
1972	1:40,000	B& W Positives
1988	1:400	B& W Positives

Results

Comparison of four sets of aerial photographs from Hunting Island clearly shows that the island has a long history of shoreline retreat (Figures 11-13). From 1951 to 1972, the shoreline has retreated more than 100 meters along the central and northern segments of the island (Table 12). The southern section of the island has also experienced erosion but to a lesser extent (mean = -27 meters). The average rate of shoreline change (m/year) has actually decreased through time (Table 13). The rate of erosion apparently escalated between 1955 and 1959 before decreasing, particularly in the southern and northern sections from 1959-1972. This decrease in the rate of shoreline retreat is probably a function of the beach nourishment project which was completed on Hunting Island in 1969.

Table 12. **Linear changes (meters) along shore perpendicular transects within three sections of the coast of Hunting Island. The tidal inlets changes are not reported in these tables. Northern section, see Figure 3, Central Section, see Figure 4, and Southern section, see Figure 5. All values represent the average net loss of beach due to erosion.**

		Northern Section		
Years	**51-51**	**55-59**	**59-72**	**total**
mean	16.73	35.37	52.10	108.6
min	0.00	7.54	7.54	15.09
max	38.47	91.86	120.72	241.44
n	22	22	22	22

		Central Section		
Years	**51-51**	**55-59**	**59-72**	**total**
mean	14.71	23.83	64.14	102.68
min	0.00	12.28	16.20	41.25
max	31.02	69.79	138.63	162.44
n	33	33	33	33

		Southern Section		
Years	**51-51**	**55-59**	**59-72**	**total**
mean	2.82	10.11	13.71	26.65
min	0.00	0.00	3.70	3.70
max	9.43	15.97	24.43	43.52
n	16	16	16	16

Table 13. **Rate of shoreline erosion (meters/year) along shore perpendicular transects along three sections of the coast of Hunting Island. The tidal inlets changes are not reported in these tables. Northern section, see Figure 3, Central Section, see Figure 4, and Southern section, see Figure 5.**

	Northern section		
Years	**51-51**	**55-59**	**59-72**
mean	4.18	2.72	2.48
min	0.00	0.58	0.36
max	9.62	7.07	5.75
n	22	22	22

	Central section		
Years	**51-51**	**55-59**	**59-72**
mean	3.68	5.96	4.93
min	0.00	3.07	1.25
max	7.76	17.45	10.66
n	33	33	33

	Southern Section		
Years	**51-51**	**55-59**	**59-72**
mean	0.71	2.53	1.05
min	0.00	0.00	0.28
max	2.36	3.99	1.88
n	16	16	16

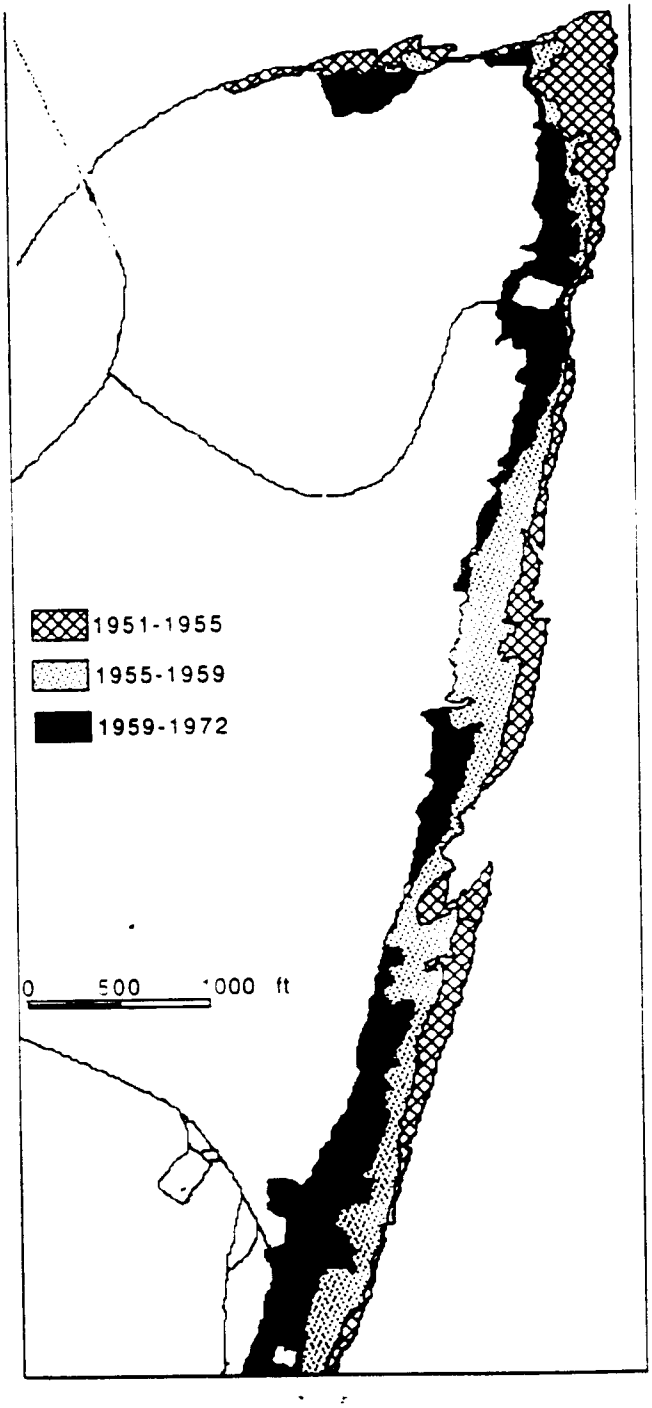

Figure 11. **Shoreline change along the northern section of Hunting Island from 1951 to 1972.**

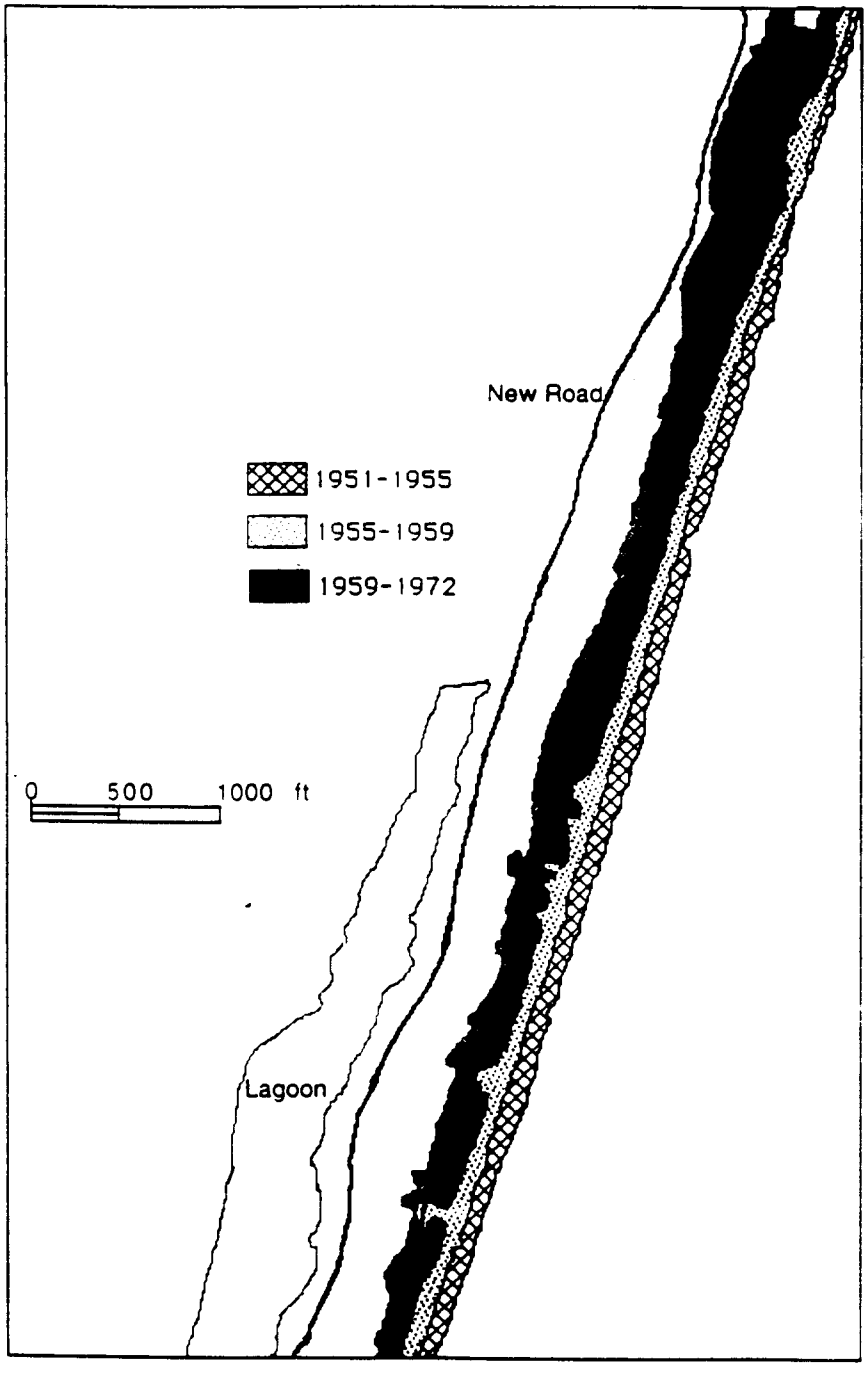

Figure 12. **Shoreline change along the central section of Hunting island from 1951 to 1972.**

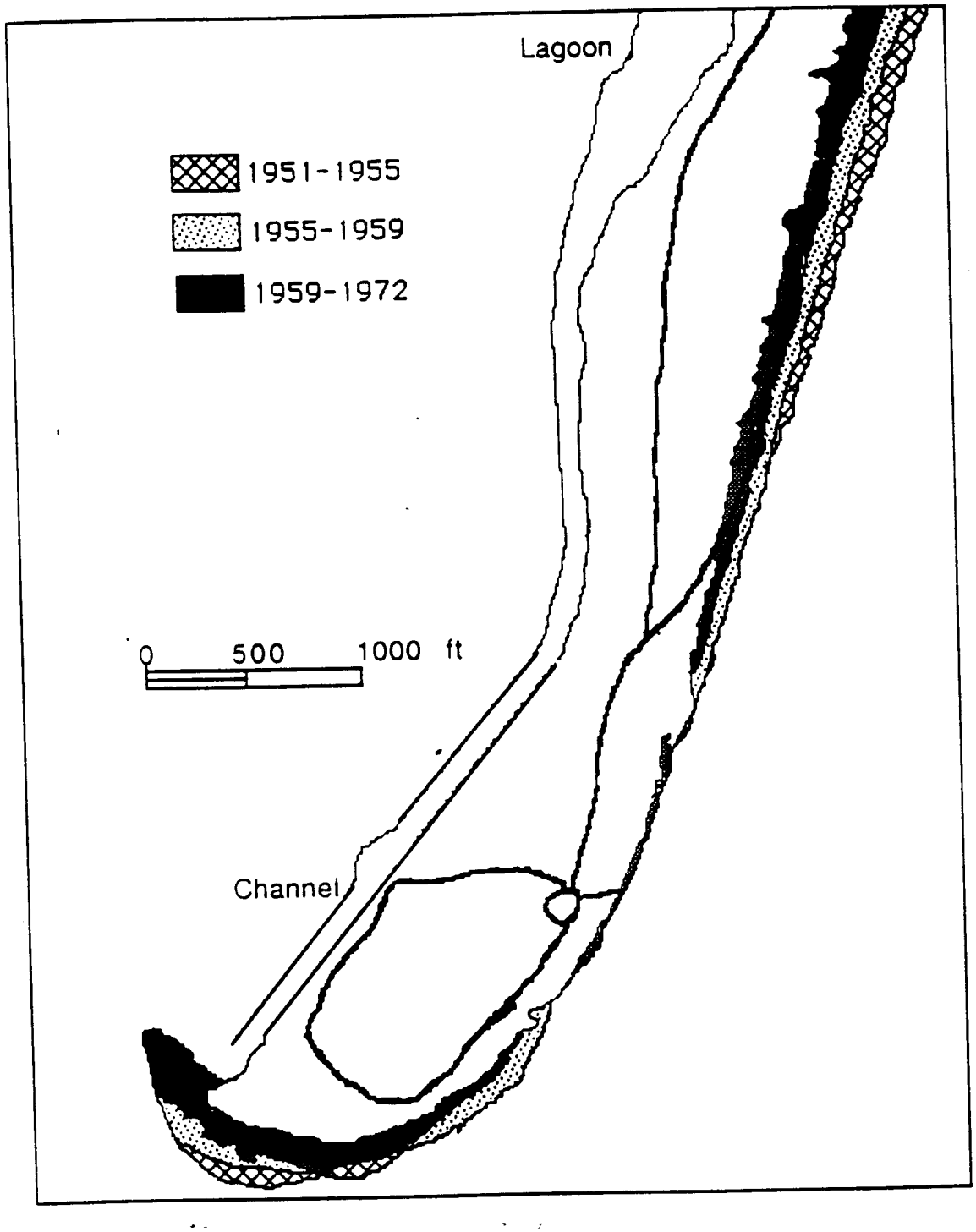

Figure 13. **Shoreline change along the southern section of Hunting Island from 1951 to 1972.**

Coastal Assessments in Adjacent States

The final objective of the first year study was to review ongoing assessments in neighboring states. The following sections provide a summary of activities conducted by the Georgia and North Carolina Task Force.

State of Georgia

Conversations were held with Dr. William McLemore, State Geologist with the Georgia Geologic Survey and co-chairman of the Georgia-Federal Offshore Minerals Task Force. Georgia's Continental Margins Program is directed towards evaluating aquifer resources offshore. Its resource assessment program is geared towards assessing the state's offshore mineral resources. Five reports are available from the MMS and the Georgia Geologic Survey on phosphate and heavy minerals on the outer continental shelf, which state that there is little potential for heavy mineral exploitation but good potential for phosphate, which could be mined with currently available technology. However, mining is not expected to take place until the 21st century.

A baseline environmental assessment to determine what environmental information exists in the white and grey literature is also being completed. This information, due in 1994, will be used to base future mining decisions. Batelle Ocean Services, Inc. is the contractor for this aspect of the study.

Upon completion of the environmental assessment, the Task Force will have completed its tasks and the program will be terminated. No studies were conducted to evaluate offshore sand resources since there are adequate onshore sources in Georgia for nourishment projects.

State of North Carolina

Conversations were held with Dr. William Hoffman, Geologist with the North Carolina Geologic Survey and member of the MMS-North Carolina Task Force on Offshore Sand Resources. The objectives of the MMS-North Carolina Task Force project are to identify sand

resources off the Outer Banks of North Carolina and to identify issues regarding the use of those resources. The potential for heavy minerals also is being assessed. The primary reason for exploring sand resources is the future demand for beach nourishment efforts and "other public needs." The issues raised during the Task Force evaluation focus primarily on environmental and legal issues that must be addressed prior to resource development. An underlying objective of the effort is to encourage interagency coordination and cooperation concerning offshore sand resource studies.

The Outer Banks have been the primary area of study. The North Carolina Geologic Survey and North Carolina State University are the principal research institutions involved. Last year (FY92-93), a seismic survey of about 200 square nautical miles was initiated (using a uniboom system) and continues during this fiscal year. Although nothing formal has been proposed for year three (FY94-95), the Task Force is considering an effort to compile the seismic data and to identify priority areas for vibracoring. Data are being transferred to a GIS system. A report entitled "North Carolina Outer Banks Beach Nourishment Sand Resource Study, First Interim Report: Shallow, High-Resolution Seismic Survey, Offshore Nags Head Area" (NCGS Open File Report 93-38) has been prepared. It presents the initial results of the reconnaissance survey. Another activity of the North Carolina Task Force involves the publication of data from Onslow Bay generated by their 1986 Phosphate Task Force.

The North Carolina Task Force met once in 1992 and 1993. A renewal proposal to continue and expand the initial work has been prepared and submitted. The objectives of this effort are to: (1) conduct additional seismic work and (2) synthesize the seismic data into a 3-dimensional geologic framework.

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APPENDICES

APPENDIX 1. Primary database file which contains information on the locations of pertinent geological or physical/biological evidence of bottom type off South Carolina (0-10 miles from coast).

Appendix 1. Primary database file which contains information on the locations of pertinent geological or physical/biological evidence of bottom type off South Carolina (0-10 miles from coast)

Database Codes:

Block = Block number
Date = Date of collection or report
Agency_P = Agency Project (See Appendix 2)
Origcoll = Original unique collection number
Startlat = Latitude of starting coordinate
Startlon = Longitude of starting coordiate
Endlat = Latitude of ending coordinate
Endlon = Longitude of ending coordinate
Posmetho = Positioning method

0= unknown
1= loran-c
2= loran-a
3= GPS
4= Range & Bearing
5= Dead Reckoning
6= Decca Hi-Fix System
7= MiniRanger Positioning System (tm)

Corrfact = Correction factor

0= unknown
1= none
2= AFS
3= corrected to a benchmark or known landmark
4= loran-c numbers converted by lorat program

Geartype = Sampling Gear

Dredge (DR)

DR00	Unknown dredge
DR01	Orange-peel
DR02	Modified Pierce

Grabs and Cores (GR)

GR01	Vibracore
GR02	Smith-McIntyre
GR04	Campbell
GR05	Peterson Grab

Trawl (FT)

FT01	3/4 Yankee Trawl #35 body-L liner-A cod-E (022 MRRI)
FT03	Semi-Balloon 40/60 4-seam trawl
FT04	Falcon (233 MRRI)
FT05	1986 Seamap Data (230 MRRI)

Trap (TR)

TR01	Blackfish Trap Baited (053 MRRI)
TR04	Florida "Antillean" Trap (074 MRRI)
TR05	Chevron Trap (324 MRRI)

SCUBA Diver (SD)
SD01 "pop" dive

Sidescan Sonar (SS)
SS21 Dowty model 3010 (?)

Subbottom Profiler (PR)
PR01 3.5 kHz subbottom profiler: O.R.E.
PR02 Uniboom subbottom profiler: EG&G model 225

Closed Circuit T.V. (CC)
CC01 Black & White
CC02 Color

Combination Gears
Sidescan Sonar + Closed Circuit T.V. (01)
0101 Klein 595 and Color T.V

Depth = Station depth
Depth_En = Depth at end of towed gear
Bottomty = Type of bottom
HB= hard bottom
PH= probable hard
NH= no evidence of hardbottom
AR= artificial structure
HA= hard bottom and artificial reef

Relief = Bottom relief
L = < 0.5 m
M = 0.5 - 2 m
H = > 2 m

Sand = Percentage of sand in sediment
Silt = Percentage of silt in sediment
Clay = Percentage of clay in sediment
Carbonat = Percent of carbonate
Meangrsi = Mean grain size
Heavymin = Heavy Minerals
Phosphat = Percentage of phosphate
EHM = Economically important heavy minerals (Ilmenite, Leucoxene, Rutile, Zircon, Sillimanite and Monazite)
ZTR = Percentage of Zircon, Tourmaline, Rutile
Mindpthp = Minimum depth of penetration
Maxdpthp = Maximum depth of penetration
Minsandl = Minimum sand lens thickness
Maxsandl = Maximum sand lens thickness
Stratig = Stratigraphy

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1	33307859	20NOV1986	AS01	SC2	3330.80	7859.50	0.00	0.00	1	0	GR01	7	0	NH
2	33307900	20NOV1986	AS01	VC1	3330.50	7900.50	0.00	0.00	1	0	GR01	6	0	NH
3	33417847	20NOV1986	AS01	VC11	3341.70	7847.50	0.00	0.00	1	0	GR01	9	0	NH
4	33427848	20NOV1986	AS01	VC12	3342.70	7848.50	0.00	0.00	1	0	GR01	9	0	NH
5	33457842	20NOV1986	AS01	VC13	3345.40	7842.10	0.00	0.00	1	0	GR01	10	0	NH
6	33477848	20NOV1986	AS01	VC14	3347.90	7838.10	0.00	0.00	1	0	GR01	9	0	NH
7	33487836	20NOV1986	AS01	VC15	3348.10	7836.40	0.00	0.00	1	0	GR01	9	0	NH
8	33497833	20NOV1986	AS01	VC16	3349.40	7833.80	0.00	0.00	1	0	GR01	9	0	NH
9	33487833	20NOV1986	AS01	VC17	3348.80	7833.90	0.00	0.00	1	0	GR01	9	0	NH
10	33487832	20NOV1986	AS01	VC18	3348.60	7832.80	0.00	0.00	1	0	GR01	10	0	NH
11	33497832	20NOV1986	AS01	VC19	3349.10	7832.70	0.00	0.00	1	0	GR01	9	0	NH
12	33327858	20NOV1986	AS01	VC3	3332.30	7858.70	0.00	0.00	1	0	GR01	8	0	NH
13	33337856	20NOV1986	AS01	VC4	3333.70	7856.70	0.00	0.00	1	0	GR01	6	0	NH
14	33347857	20NOV1986	AS01	VC5	3334.00	7857.50	0.00	0.00	1	0	GR01	6	0	NH
15	33347858	20NOV1986	AS01	VC6	3334.20	7858.20	0.00	0.00	1	0	GR01	7	0	NH
16	33387853	20NOV1986	AS01	VC7	3338.90	7853.40	0.00	0.00	1	0	GR01	7	0	NH
17	33417850	20NOV1986	AS01	VC8	3341.50	7850.30	0.00	0.00	1	0	GR01	8	0	NH
18	33417851	20NOV1986	AS01	VC9	3341.10	7851.10	0.00	0.00	1	0	GR01	8	0	NH
19	33417847	03NOV1991	AT01	CN-10A	3341.43	7847.85	0.00	0.00	1	0	GR01	11	0	NH
20	33427847	03NOV1991	AT01	CN-11A	3342.20	7847.18	0.00	0.00	1	0	GR01	11	0	NH
21	33427847	03NOV1991	AT01	CN-12A	3332.05	7847.45	0.00	0.00	1	0	GR01	10	0	NH
22	33417847	03NOV1991	AT01	CN-13A	3341.80	7847.78	0.00	0.00	1	0	GR01	10	0	NH
23	33417847	03NOV1991	AT01	CN-14A	3341.68	7847.12	0.00	0.00	1	0	GR01	11	0	NH
24	33417847	03NOV1991	AT01	CN-15A	3341.98	7847.93	0.00	0.00	1	0	GR01	9	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1		95.0	0.00	1.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2		95.0	0.00	1.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
3		99.6	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
4		98.8	0.00	1.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
5		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
6		97.0	0.00	1.50	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
7		97.0	0.00	1.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
8		93.8	0.00	1.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
9		99.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
10		97.0	0.00	1.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
11		89.7	0.00	3.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
12		95.0	0.00	1.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
13		97.0	0.00	1.50	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
14		95.0	0.00	4.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
15		75.0	0.00	3.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
16		99.9	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
17		97.0	0.00	2.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
18		96.0	0.00	2.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
19		50.0	41.00	0.00	12.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
20		86.5	7.50	0.00	9.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
21		88.0	7.00	0.00	6.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
22		81.0	7.00	0.00	21.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
23		87.0	3.00	0.00	12.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
24		84.0	2.00	0.00	29.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
25	33417848	03NOV1991	AT01	CN-16A	3341.87	7847.10	0.00	0.00	1	0	GR01	10	0	NH
26	33427847	03NOV1991	AT01	CN-17A	3342.50	7847.48	0.00	0.00	1	0	GR01	12	0	NH
27	33427847	03NOV1991	AT01	CN-18A	3342.37	7847.65	0.00	0.00	1	0	GR01	12	0	NH
28	33427847	03NOV1991	AT01	CN-19A	3342.20	7847.90	0.00	0.00	1	0	GR01	10	0	NH
29	33417847	03NOV1991	AT01	CN-1A	3341.80	7847.00	0.00	0.00	1	0	GR01	9	0	NH
30	33427848	03NOV1991	AT01	CN-20A	3342.12	7848.28	0.00	0.00	1	0	GR01	20	0	NH
31	33427848	03NOV1991	AT01	CN-21A	3342.37	7848.13	0.00	0.00	1	0	GR01	10	0	NH
32	33427848	04NOV1991	AT01	CN-22A	3342.25	7848.28	0.00	0.00	1	0	GR01	11	0	NH
33	33427848	03NOV1991	AT01	CN-23A	3342.10	7848.53	0.00	0.00	1	0	GR01	11	0	NH
34	33427848	03NOV1991	AT01	CN-24A	3342.65	7848.32	0.00	0.00	1	0	GR01	9	0	NH
35	33427848	03NOV1991	AT01	CN-25A	3342.50	7848.48	0.00	0.00	1	0	GR01	11	0	NH
36	33427848	03NOV1991	AT01	CN-26A	3342.33	7848.65	0.00	0.00	1	0	GR01	12	0	NH
37	33427848	03NOV1991	AT01	CN-27A	3342.93	7848.50	0.00	0.00	1	0	GR01	9	0	NH
38	33427848	03NOV1991	AT01	CN-28A	3342.78	7848.57	0.00	0.00	1	0	GR01	10	0	NH
39	33427848	03NOV1991	AT01	CN-29A	3342.60	7848.78	0.00	0.00	1	0	GR01	10	0	NH
40	33417847	03NOV1991	AT01	CN-2A	3341.67	7847.25	0.00	0.00	1	0	GR01	9	0	NH
41	33437848	03NOV1991	AT01	CN-30A	3343.12	7848.57	0.00	0.00	1	0	GR01	8	0	NH
42	33427848	03NOV1991	AT01	CN-31A	3342.97	7848.80	0.00	0.00	1	0	GR01	9	0	NH
43	33427849	03NOV1991	AT01	CN-32A	3342.78	7849.02	0.00	0.00	1	0	GR01	9	0	NH
44	33417847	03NOV1991	AT01	CN-3A	3341.50	7847.52	0.00	0.00	1	0	GR01	10	0	NH
45	33417847	03NOV1991	AT01	CN-4A	3341.33	7847.82	0.00	0.00	1	0	GR01	10	0	NH
46	33417847	03NOV1991	AT01	CN-5A	3341.27	7847.82	0.00	0.00	1	0	GR01	10	0	NH
47	33417847	03NOV1991	AT01	CN-6A	3341.95	7847.08	0.00	0.00	1	0	GR01	10	0	NH
48	33417847	03NOV1991	AT01	CN-7A	3341.80	7847.35	0.00	0.00	1	0	GR01	10	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
25		81.0	8.00	0.00	35.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
26		88.0	5.00	0.00	13.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
27		77.0	15.00	0.00	20.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
28		58.0	30.00	0.00	29.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
29		90.0	4.00	0.00	8.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
30		81.0	15.00	0.00	18.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
31		77.0	8.00	0.00	34.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
32		80.0	10.00	0.00	17.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
33		95.0	5.00	0.00	4.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
34		88.0	10.00	0.00	15.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
35		86.0	8.00	0.00	12.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
36		87.0	4.00	0.00	10.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
37		76.0	8.00	0.00	37.3	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
38		85.0	6.00	0.00	12.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
39		88.0	9.00	0.00	10.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
40		96.0	4.00	0.00	1.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
41		83.5	9.00	0.00	17.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
42		84.0	6.00	0.00	5.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
43		87.0	6.00	0.00	16.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
44		96.0	4.00	0.00	1.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
45		80.0	9.00	0.00	17.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
46		85.0	12.00	0.00	20.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
47		96.0	4.00	0.00	1.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
48		97.0	3.00	0.00	2.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
49	33417847	03NOV1991	AT01	CN-8A	3341.67	7847.60	0.00	0.00	1	0	GR01	11	0	MM
50	33417847	03NOV1991	AT01	CN-9A	3341.57	7847.80	0.00	0.00	1	0	GR01	11	0	MM
51	33397852	05NOV1991	AT01	CS-10A	3339.25	7852.35	0.00	0.00	1	0	GR01	9	0	MM
52	33387853	05NOV1991	AT01	CS-11A	3338.23	7852.93	0.00	0.00	1	0	GR01	10	0	MM
53	33387852	05NOV1991	AT01	CS-12A	3338.45	7852.72	0.00	0.00	1	0	GR01	10	0	MM
54	33387852	05NOV1991	AT01	CS-13A	3338.52	7852.78	0.00	0.00	1	0	GR01	10	0	MM
55	33387852	05NOV1991	AT01	CS-14A	3338.82	7852.32	0.00	0.00	1	0	GR01	10	0	MM
56	33397852	05NOV1991	AT01	CS-15A	3339.02	7852.05	0.00	0.00	1	0	GR01	9	0	MM
57	33377852	05NOV1991	AT01	CS-16A	3337.90	7852.70	0.00	0.00	1	0	GR01	11	0	MM
58	33387852	05NOV1991	AT01	CS-17A	3338.03	7852.43	0.00	0.00	1	0	GR01	10	0	MM
59	33387852	05NOV1991	AT01	CS-18A	3338.30	7852.27	0.00	0.00	1	0	GR01	10	0	MM
60	33387852	05NOV1991	AT01	CS-19A	3338.48	7852.08	0.00	0.00	1	0	GR01	10	0	MM
61	33377852	05NOV1991	AT01	CS-21A	3337.87	7852.30	0.00	0.00	1	0	GR01	9	0	MM
62	33387852	05NOV1991	AT01	CS-22A	3338.02	7852.08	0.00	0.00	1	0	GR01	9	0	MM
63	33387851	05NOV1991	AT01	CS-23A	3338.22	7851.90	0.00	0.00	1	0	GR01	11	0	MM
64	33387851	05NOV1991	AT01	CS-24A	3338.45	7851.63	0.00	0.00	1	0	GR01	10	0	MM
65	33377852	05NOV1991	AT01	CS-25A	3337.60	7852.00	0.00	0.00	1	0	GR01	11	0	MM
66	33377851	05NOV1991	AT01	CS-26A	3337.78	7851.80	0.00	0.00	1	0	GR01	12	0	MM
67	33377851	05NOV1991	AT01	CS-27A	3337.95	7851.58	0.00	0.00	1	0	GR01	11	0	MM
68	33387851	05NOV1991	AT01	CS-28A	3338.15	7851.38	0.00	0.00	1	0	GR01	11	0	MM
69	33377851	05NOV1991	AT01	CS-29A	3337.35	7851.80	0.00	0.00	1	0	GR01	10	0	MM
70	33387853	05NOV1991	AT01	CS-2A	3338.97	7853.18	0.00	0.00	1	0	GR01	8	0	MM
71	33377851	05NOV1991	AT01	CS-30A	3337.62	7851.70	0.00	0.00	1	0	GR01	10	0	MM
72	33377851	05NOV1991	AT01	CS-32A	3337.87	7851.18	0.00	0.00	1	0	GR01	12	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZIR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
49		83.0	13.00	0.00	2.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
50		88.0	7.00	0.00	12.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
51		83.0	9.00	0.00	9.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
52		95.5	2.50	0.00	4.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
53		79.0	14.00	0.00	10.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
54		87.0	6.00	0.00	21.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
55		75.5	2.50	0.00	25.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
56		59.0	36.00	0.00	1.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
57		83.0	9.00	0.00	15.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
58		88.0	5.00	0.00	10.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
59		89.0	6.00	0.00	17.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
60		85.0	7.00	0.00	15.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
61		95.0	3.00	0.00	7.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
62		89.0	6.00	0.00	14.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
63		83.0	8.00	0.00	40.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
64		83.0	7.00	0.00	8.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
65		92.0	6.00	0.00	3.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
66		65.0	9.00	0.00	32.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
67		76.0	7.00	0.00	26.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
68		85.0	2.00	0.00	15.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
69		96.0	2.00	0.00	3.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
70		92.0	4.00	0.00	12.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
71		95.0	3.00	0.00	6.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
72		83.0	10.00	0.00	2.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
73	33377851	05NOV1991	AT01	CS-33A	3337.52	7851.35	0.00	0.00	1	0	GR01	11	0	NH
74	33397852	05NOV1991	AT01	CS-3A	3339.12	7852.98	0.00	0.00	1	0	GR01	9	0	NH
75	33397853	05NOV1991	AT01	CS-6A	3338.48	7853.15	0.00	0.00	1	0	GR01	8	0	NH
76	33387852	05NOV1991	AT01	CS-7A	3338.65	7852.97	0.00	0.00	1	0	GR01	9	0	NH
77	33387852	05NOV1991	AT01	CS-8A	3338.87	7852.77	0.00	0.00	1	0	GR01	9	0	NH
78	33397852	05NOV1991	AT01	CS-9A	3339.02	7852.52	0.00	0.00	1	0	GR01	10	0	NH
79	33487833	26SEP1991	AT01	LR-10A	3348.87	7833.83	0.00	0.00	1	0	GR01	10	0	NH
80	33497834	26SEP1991	AT01	LR-11B	3349.15	7834.18	0.00	0.00	1	0	GR01	10	0	NH
81	33497834	27SEP1991	AT01	LR-12A	3349.47	7834.53	0.00	0.00	1	0	GR01	10	0	NH
82	33477833	27SEP1991	AT01	LR-13A	3347.87	7833.23	0.00	0.00	1	0	GR01	12	0	NH
83	33487833	27SEP1991	AT01	LR-14A	3348.13	7833.60	0.00	0.00	1	0	GR01	10	0	NH
84	33487833	30SEP1991	AT01	LR-15A	3348.48	7833.87	0.00	0.00	1	0	GR01	10	0	NH
85	33487834	27SEP1991	AT01	LR-16A	3348.73	7834.30	0.00	0.00	1	0	GR01	10	0	NH
86	33497834	27SEP1991	AT01	LR-17B	3349.02	7834.62	0.00	0.00	1	0	GR01	11	0	NH
87	33477833	27SEP1991	AT01	LR-19B	3347.68	7833.72	0.00	0.00	1	0	GR01	11	0	NH
88	33487832	27SEP1991	AT01	LR-1A	3348.17	7832.30	0.00	0.00	1	0	GR01	10	0	NH
89	33487834	27SEP1991	AT01	LR-20B	3348.00	7834.13	0.00	0.00	1	0	GR01	10	0	NH
90	33487834	27SEP1991	AT01	LR-21A	3348.28	7834.42	0.00	0.00	1	0	GR01	10	0	NH
91	33487834	27SEP1991	AT01	LR-22B	3348.60	7834.78	0.00	0.00	1	0	GR01	11	0	NH
92	33487835	30SEP1991	AT01	LR-23B	3348.70	7835.42	0.00	0.00	1	0	GR01	11	0	NH
93	33497835	27SEP1991	AT01	LR-24B	3349.13	7835.45	0.00	0.00	1	0	GR01	10	0	NH
94	33477834	27SEP1991	AT01	LR-25A	3347.55	7834.13	0.00	0.00	1	0	GR01	11	0	NH
95	33477834	30SEP1991	AT01	LR-26A	3347.85	7834.52	0.00	0.00	1	0	GR01	10	0	NH
96	33487834	28SEP1991	AT01	LR-27A	3348.17	7834.87	0.00	0.00	1	0	GR01	10	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
73		72.0	6.00	0.00	42.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
74		67.0	17.00	0.00	36.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
75		90.0	5.00	0.00	7.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
76		81.5	11.00	0.00	11.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
77		84.0	7.00	0.00	42.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
78		74.0	15.00	0.00	12.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
79		93.5	2.50	0.00	6.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
80		72.0	12.00	0.00	24.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
81		77.0	9.00	0.00	27.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
82		86.0	3.00	0.00	18.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
83		95.0	3.00	0.00	13.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
84		92.0	5.00	0.00	6.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
85		90.0	6.00	0.00	11.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
86		86.0	7.00	0.00	13.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
87		88.0	4.00	0.00	11.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
88		76.5	16.00	0.00	11.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
89		90.0	4.00	0.00	11.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
90		89.0	4.00	0.00	16.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
91		75.0	7.00	0.00	38.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
92		88.0	5.00	0.00	19.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
93		90.0	8.00	0.00	21.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
94		86.0	3.00	0.00	11.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
95		94.0	5.00	0.00	3.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
96		87.0	7.00	0.00	16.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
97	33487835	28SEP1991	AT01	LR-28A	3348.43	7835.20	0.00	0.00	1	0	GR01	10	0	MM
98	33487835	28SEP1991	AT01	LR-29B	3348.72	7835.52	0.00	0.00	1	0	GR01	10	0	MM
99	33487832	28SEP1991	AT01	LR-2A	3348.47	7832.68	0.00	0.00	1	0	GR01	11	0	MM
100	33487835	30SEP1991	AT01	LR-30A	3348.98	7835.92	0.00	0.00	1	0	GR01	11	0	MM
101	33477834	30SEP1991	AT01	LR-31A	3347.38	7834.60	0.00	0.00	1	0	GR01	11	0	MM
102	33477834	30SEP1991	AT01	LR-32A	3347.68	7834.95	0.00	0.00	1	0	GR01	10	0	MM
103	33477835	28SEP1991	AT01	LR-33A	3347.97	7835.27	0.00	0.00	1	0	GR01	10	0	MM
104	33487836	28SEP1991	AT01	LR-34A	3348.27	7835.62	0.00	0.00	1	0	GR01	10	0	MM
105	33487835	30SEP1991	AT01	LR-35A	3348.55	7835.92	0.00	0.00	1	0	GR01	10	0	MM
106	33487836	28SEP1991	AT01	LR-36A	3348.83	7836.30	0.00	0.00	1	0	GR01	10	0	MM
107	33477835	28SEP1991	AT01	LR-37	3347.25	7835.08	0.00	0.00	1	0	GR01	12	0	MM
108	33477835	28SEP1991	AT01	LR-38	3347.53	7835.40	0.00	0.00	1	0	GR01	11	0	MM
109	33477835	28SEP1991	AT01	LR-39A	3347.82	7835.70	0.00	0.00	1	0	GR01	10	0	MM
110	33487833	28SEP1991	AT01	LR-3A	3348.75	7833.05	0.00	0.00	1	0	GR01	10	0	MM
111	33487836	28SEP1991	AT01	LR-40B	3348.10	7836.07	0.00	0.00	1	0	GR01	10	0	MM
112	33487836	28SEP1991	AT01	LR-41A	3348.38	7836.38	0.00	0.00	1	0	GR01	10	0	MM
113	33487836	28SEP1991	AT01	LR-42A	3348.68	7836.73	0.00	0.00	1	0	GR01	8	0	MM
114	33477835	28SEP1991	AT01	LR-43A	3347.07	7835.45	0.00	0.00	1	0	GR01	12	0	MM
115	33477835	28SEP1991	AT01	LR-44A	3347.35	7835.80	0.00	0.00	1	0	GR01	11	0	MM
116	33477836	30SEP1991	AT01	LR-45A	3347.63	7836.20	0.00	0.00	1	0	GR01	10	0	MM
117	33477836	28SEP1991	AT01	LR-46A	3347.97	7836.48	0.00	0.00	1	0	GR01	10	0	MM
118	33487836	28SEP1991	AT01	LR-47A	3348.25	7836.90	0.00	0.00	1	0	GR01	9	0	MM
119	33487837	28SEP1991	AT01	LR-48A	3348.50	7837.25	0.00	0.00	1	0	GR01	9	0	MM
120	33467835	28SEP1991	AT01	LR-49A	3346.92	7835.97	0.00	0.00	1	0	GR01	11	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
97		92.0	4.00	0.00	13.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
98		87.0	3.00	0.00	22.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
99		85.0	3.00	0.00	16.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
100		80.5	7.00	0.00	27.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
101		92.0	3.00	0.00	8.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
102		83.0	4.00	0.00	22.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
103		87.0	6.00	0.00	13.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
104		91.0	4.00	0.00	8.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
105		83.0	4.00	0.00	19.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
106		90.0	6.00	0.00	11.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
107		79.0	18.00	0.00	5.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
108		82.0	5.00	0.00	15.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
109		84.0	9.00	0.00	17.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
110		70.0	13.00	0.00	25.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
111		86.0	6.00	0.00	14.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
112		83.0	5.00	0.00	22.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
113		90.0	5.00	0.00	7.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
114		81.0	9.00	0.00	15.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
115		92.0	7.00	0.00	4.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
116		91.0	5.00	0.00	6.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
117		83.0	7.00	0.00	31.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
118		87.0	3.00	0.00	25.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
119		86.0	7.00	0.00	20.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
120		71.0	23.00	0.00	2.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
121	33497833	28SEP1991	AT01	LR-4A	3349.00	7833.37	0.00	0.00	1	0	GR01	9	0	NN
122	33477836	28SEP1991	AT01	LR-50A	3347.20	7836.27	0.00	0.00	1	0	GR01	10	0	NN
123	33477836	30SEP1991	AT01	LR-51A	3347.50	7836.67	0.00	0.00	1	0	GR01	10	0	NN
124	33477837	28SEP1991	AT01	LR-52A	3347.80	7837.03	0.00	0.00	1	0	GR01	9	0	NN
125	33487837	28SEP1991	AT01	LR-53A	3348.08	7837.37	0.00	0.00	1	0	GR01	9	0	NN
126	33487837	28SEP1991	AT01	LR-54A	3348.38	7837.73	0.00	0.00	1	0	GR01	9	0	NN
127	33467836	28SEP1991	AT01	LR-55A	3346.82	7836.35	0.00	0.00	1	0	GR01	11	0	NN
128	33477836	28SEP1991	AT01	LR-56A	3347.12	7836.62	0.00	0.00	1	0	GR01	11	0	NN
129	33477836	28SEP1991	AT01	LR-57A	3347.40	7836.93	0.00	0.00	1	0	GR01	10	0	NN
130	33467836	28SEP1991	AT01	LR-58B	3346.70	7836.60	0.00	0.00	1	0	GR01	10	0	NN
131	33477836	28SEP1991	AT01	LR-59A	3347.02	7836.92	0.00	0.00	1	0	GR01	10	0	NN
132	33497833	28SEP1991	AT01	LR-5A	3349.29	7833.75	0.00	0.00	1	0	GR01	9	0	NN
133	33477837	30SEP1991	AT01	LR-61A	3347.67	7837.50	0.00	0.00	1	0	GR01	11	0	NN
134	33487837	28SEP1991	AT01	LR-62A	3348.02	7837.82	0.00	0.00	1	0	GR01	10	0	NN
135	33487838	28SEP1991	AT01	LR-63A	3348.25	7838.02	0.00	0.00	1	0	GR01	10	0	NN
136	33497833	28SEP1991	AT01	LR-6B	3349.62	7833.07	0.00	0.00	1	0	GR01	11	0	NN
137	33487832	28SEP1991	AT01	LR-7A	3348.02	7832.77	0.00	0.00	1	0	GR01	10	0	NN
138	33487833	28SEP1991	AT01	LR-8B	3348.28	7833.15	0.00	0.00	1	0	GR01	12	0	NN
139	33487833	28SEP1991	AT01	LR-9A	3348.58	7833.50	0.00	0.00	1	0	GR01	11	0	NN
140	33497835	27SEP1991	AT01	LR18	3349.32	7835.00	0.00	0.00	1	0	GR01	9	0	NN
141	33327858	12NOV1991	AT01	SS-10A	3332.70	7858.30	0.00	0.00	1	0	GR01	8	0	NN
142	33327858	12NOV1991	AT01	SS-11A	3332.70	7858.30	0.00	0.00	1	0	GR01	9	0	NN
143	33327858	12NOV1991	AT01	SS-12A	3332.92	7858.03	0.00	0.00	1	0	GR01	9	0	NN
144	33337857	12NOV1991	AT01	SS-13A	3333.08	7857.88	0.00	0.00	1	0	GR01	8	0	NN

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
121		75.0	11.00	0.00	31.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
122		90.0	5.00	0.00	7.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
123		82.0	3.00	0.00	29.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
124		85.0	6.00	0.00	12.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
125		75.0	6.00	0.00	39.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
126		89.0	3.00	0.00	16.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
127		71.0	16.00	0.00	16.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
128		87.0	8.00	0.00	7.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
129		86.0	6.00	0.00	15.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
130		96.0	3.00	0.00	2.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
131		76.0	14.00	0.00	9.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
132		86.0	8.00	0.00	10.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
133		82.0	5.00	0.00	27.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
134		85.0	4.00	0.00	29.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
135		91.0	7.00	0.00	19.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
136		64.0	11.00	0.00	38.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
137		89.0	4.00	0.00	8.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
138		90.0	6.00	0.00	3.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
139		88.0	10.00	0.00	4.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
140		84.0	8.00	0.00	14.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
141		89.5	3.00	0.00	16.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
142		62.0	34.00	0.00	7.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
143		96.9	3.00	0.00	5.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
144		89.0	6.00	0.00	12.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
145	33337857	12NOV1991	AT01	SS-14A	3333.25	7857.65	0.00	0.00	1	0	GR01	8	0	MM
146	33337857	12NOV1991	AT01	SS-15A	3333.63	7857.30	0.00	0.00	1	0	GR01	8	0	MM
147	33337857	12NOV1991	AT01	SS-16A	3333.85	7857.12	0.00	0.00	1	0	GR01	8	0	MM
148	33347856	12NOV1991	AT01	SS-17A	3334.00	7856.98	0.00	0.00	1	0	GR01	7	0	MM
149	33347856	12NOV1991	AT01	SS-18A	3334.15	7856.83	0.00	0.00	1	0	GR01	8	0	MM
150	33327857	12NOV1991	AT01	SS-19A	3332.48	7857.93	0.00	0.00	1	0	GR01	9	0	MM
151	33317855	12NOV1991	AT01	SS-1A	3332.00	7855.00	0.00	0.00	1	0	GR01	9	0	MM
152	33327857	12NOV1991	AT01	SS-20A	3332.75	7857.63	0.00	0.00	1	0	GR01	7	0	MM
153	33327857	12NOV1991	AT01	SS-21A	3332.90	7857.63	0.00	0.00	1	0	GR01	8	0	MM
154	33337857	12NOV1991	AT01	SS-22A	3333.15	7857.38	0.00	0.00	1	0	GR01	8	0	MM
155	33337857	12NOV1991	AT01	SS-23A	3333.32	7857.20	0.00	0.00	1	0	GR01	8	0	MM
156	33337857	12NOV1991	AT01	SS-24A	3333.52	7857.08	0.00	0.00	1	0	GR01	8	0	MM
157	33337856	12NOV1991	AT01	SS-25A	3333.72	7856.92	0.00	0.00	1	0	GR01	9	0	MM
158	33337856	12NOV1991	AT01	SS-26A	3333.82	7856.68	0.00	0.00	1	0	GR01	8	0	MM
159	33347856	12NOV1991	AT01	SS-27A	3334.02	7856.52	0.00	0.00	1	0	GR01	9	0	MM
160	33327857	12NOV1991	AT01	SS-28A	3332.25	7857.67	0.00	0.00	1	0	GR01	11	0	MM
161	33327857	12NOV1991	AT01	SS-29A	3332.45	7857.45	0.00	0.00	1	0	GR01	10	0	MM
162	33327858	12NOV1991	AT01	SS-2B	3332.88	7858.58	0.00	0.00	1	0	GR01	9	0	MM
163	33327857	12NOV1991	AT01	SS-30A	3332.63	7857.22	0.00	0.00	1	0	GR01	8	0	MM
164	33327857	12NOV1991	AT01	SS-31A	3332.85	7857.07	0.00	0.00	1	0	GR01	7	0	MM
165	33337856	12NOV1991	AT01	SS-32A	3333.35	7856.97	0.00	0.00	1	0	GR01	7	0	MM
166	33337856	12NOV1991	AT01	SS-33A	3333.25	7856.73	0.00	0.00	1	0	GR01	7	0	MM
167	33337856	14NOV1991	AT01	SS-34A	3333.48	7856.77	0.00	0.00	1	0	GR01	7	0	MM
168	33337856	14NOV1991	AT01	SS-35A	3333.62	7856.40	0.00	0.00	1	0	GR01	8	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
145		87.5	5.00	0.00	18.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
146		92.0	4.00	0.00	9.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
147		92.5	5.00	0.00	8.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
148		97.5	2.50	0.00	4.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
149		93.0	6.00	0.00	7.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
150		78.0	10.00	0.00	21.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
151		60.0	34.00	0.00	9.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
152		98.5	2.50	0.00	3.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
153		89.0	7.00	0.00	11.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
154		85.5	12.00	0.00	9.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
155		88.0	6.00	0.00	17.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
156		98.0	2.00	0.00	3.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
157		91.0	3.00	0.00	20.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
158		94.0	5.00	0.00	8.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
159		90.0	7.00	0.00	13.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
160		81.0	8.00	0.00	31.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
161		96.5	2.50	0.00	5.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
162		66.0	28.00	0.00	4.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
163		76.0	10.00	0.00	23.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
164		91.0	7.00	0.00	5.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
165		90.0	5.00	0.00	12.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
166		98.0	2.00	0.00	3.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
167		98.0	2.00	0.00	2.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
168		97.5	2.50	0.00	2.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
169	33337856	14NOV1991	AT01	SS-36A	3333.82	7856.27	0.00	0.00	1	0	GR01	10	0	NH
170	33327857	14NOV1991	AT01	SS-37A	3332.10	7857.35	0.00	0.00	1	0	GR01	12	0	NH
171	33327857	14NOV1991	AT01	SS-38A	3332.27	7857.17	0.00	0.00	1	0	GR01	11	0	NH
172	33327856	14NOV1991	AT01	SS-39A	3332.50	7856.97	0.00	0.00	1	0	GR01	10	0	NH
173	33327856	14NOV1991	AT01	SS-40A	3332.52	7856.80	0.00	0.00	1	0	GR01	9	0	NH
174	33327856	14NOV1991	AT01	SS-41A	3332.87	7856.58	0.00	0.00	1	0	GR01	8	0	NH
175	33337856	14NOV1991	AT01	SS-42A	3333.03	7856.38	0.00	0.00	1	0	GR01	8	0	NH
176	33337856	14NOV1991	AT01	SS-43A	3333.23	7856.32	0.00	0.00	1	0	GR01	7	0	NH
177	33337856	14NOV1991	AT01	SS-44A	3333.43	7856.10	0.00	0.00	1	0	GR01	10	0	NH
178	33337855	14NOV1991	AT01	SS-45A	3333.63	7855.95	0.00	0.00	1	0	GR01	10	0	NH
179	33317857	14NOV1991	AT01	SS-46A	3331.83	7857.22	0.00	0.00	1	0	GR01	12	0	NH
180	33327856	14NOV1991	AT01	SS-48A	3332.22	7856.68	0.00	0.00	1	0	GR01	10	0	NH
181	33327856	14NOV1991	AT01	SS-49A	3332.47	7856.52	0.00	0.00	1	0	GR01	10	0	NH
182	33337858	12NOV1991	AT01	SS-4A	3333.43	7858.12	0.00	0.00	1	0	GR01	10	0	NH
183	33327856	14NOV1991	AT01	SS-50A	3332.63	7856.35	0.00	0.00	1	0	GR01	9	0	NH
184	33327856	14NOV1991	AT01	SS-51A	3332.87	7856.13	0.00	0.00	1	0	GR01	10	0	NH
185	33337856	14NOV1991	AT01	SS-52A	3333.03	7856.00	0.00	0.00	1	0	GR01	10	0	NH
186	33337855	14NOV1991	AT01	SS-53A	3333.18	7855.78	0.00	0.00	1	0	GR01	11	0	NH
187	33337855	14NOV1991	AT01	SS-54A	3333.43	7855.62	0.00	0.00	1	0	GR01	10	0	NH
188	33317856	14NOV1991	AT01	SS-55A	3331.58	7856.80	0.00	0.00	1	0	GR01	11	0	NH
189	33317856	14NOV1991	AT01	SS-56A	3331.80	7856.60	0.00	0.00	1	0	GR01	11	0	NH
190	33327856	14NOV1991	AT01	SS-57A	3332.05	7856.75	0.00	0.00	1	0	GR01	11	0	NH
191	33327856	14NOV1991	AT01	SS-58A	3332.25	7856.25	0.00	0.00	1	0	GR01	9	0	NH
192	33327856	14NOV1991	AT01	SS-59A	3332.45	7856.07	0.00	0.00	1	0	GR01	11	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
169		91.0	6.00	0.00	8.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
170		83.0	9.00	0.00	26.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
171		96.0	4.00	0.00	3.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
172		85.0	7.00	0.00	17.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
173		73.0	11.00	0.00	28.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
174		92.5	5.00	0.00	6.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
175		95.0	4.00	0.00	4.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
176		95.0	4.00	0.00	4.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
177		82.0	14.00	0.00	8.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
178		65.0	28.00	0.00	10.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
179		74.0	8.00	0.00	46.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
180		92.0	6.00	0.00	11.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
181		96.5	2.50	0.00	2.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
182		70.0	20.00	0.00	13.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
183		89.0	7.00	0.00	6.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
184		86.0	13.00	0.00	2.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
185		84.0	10.00	0.00	12.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
186		88.0	7.00	0.00	21.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
187		95.0	4.00	0.00	13.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
188		84.0	7.00	0.00	19.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
189		92.0	6.00	0.00	8.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
190		97.0	3.00	0.00	5.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
191		98.0	2.00	0.00	4.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
192		89.0	7.00	0.00	9.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
193	33337857	12NOV1991	AT01	SS-5A	3333.63	7857.92	0.00	0.00	1	0	GR01	10	0	NH
194	33327855	14NOV1991	AT01	SS-60A	3332.62	7855.90	0.00	0.00	1	0	GR01	11	0	NH
195	33327855	14NOV1991	AT01	SS-61A	3332.82	7855.70	0.00	0.00	1	0	GR01	10	0	NH
196	33337855	14NOV1991	AT01	SS-62A	3333.07	7855.52	0.00	0.00	1	0	GR01	9	0	NH
197	33337855	14NOV1991	AT01	SS-63A	3333.28	7855.33	0.00	0.00	1	0	GR01	10	0	NH
198	33317856	14NOV1991	AT01	SS-64A	3331.25	7856.27	0.00	0.00	1	0	GR01	11	0	NH
199	33317856	14NOV1991	AT01	SS-65A	3331.58	7856.12	0.00	0.00	1	0	GR01	11	0	NH
200	33317855	14NOV1991	AT01	SS-66A	3331.83	7855.93	0.00	0.00	1	0	GR01	10	0	NH
201	33317855	14NOV1991	AT01	SS-67A	3332.00	7855.82	0.00	0.00	1	0	GR01	9	0	NH
202	33327855	14NOV1991	AT01	SS-68A	3332.23	7855.63	0.00	0.00	1	0	GR01	10	0	NH
203	33327855	14NOV1991	AT01	SS-69A	3332.40	7855.47	0.00	0.00	1	0	GR01	10	0	NH
204	33337857	12NOV1991	AT01	SS-6A	3333.82	7857.75	0.00	0.00	1	0	GR01	9	0	NH
205	33327855	14NOV1991	AT01	SS-70A	3332.62	7855.27	0.00	0.00	1	0	GR01	11	0	NH
206	33327855	14NOV1991	AT01	SS-71A	3332.78	7855.13	0.00	0.00	1	0	GR01	11	0	NH
207	33337854	14NOV1991	AT01	SS-72A	3333.02	7854.97	0.00	0.00	1	0	GR01	10	0	NH
208	33347857	12NOV1991	AT01	SS-7A	3334.02	7857.55	0.00	0.00	1	0	GR01	9	0	NH
209	33347857	12NOV1991	AT01	SS-8A	3334.15	7857.38	0.00	0.00	1	0	GR01	8	0	NH
210	33347857	12NOV1991	AT01	SS-9A	3334.40	7857.33	0.00	0.00	1	0	GR01	8	0	NH
211	33477837	28SEP1991	AT02	LR-60A	3347.40	7837.22	0.00	0.00	1	0	GR01	10	0	NH
212	33317900	16AUG1989	CC02	13	3331.93	7900.66	0.00	0.00	1	0	GR01	7	0	
213	33317859	16AUG1989	CC02	14	3331.92	7859.97	0.00	0.00	1	0	GR01	8	0	
214	33297901	17AUG1989	CC02	15	3329.64	7901.95	0.00	0.00	1	0	GR01	8	0	
215	33297902	06JUL1990	CC03	0953	3329.58	7902.00	3329.45	7902.08	1	1	PR02	8	0	
216	33297901	06JUL1990	CC03	1001	3329.58	7901.98	3329.00	7901.65	1	1	PR02	7	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
193		80.0	8.00	0.00	19.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
194		93.0	6.00	0.00	2.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
195		93.0	6.00	0.00	11.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
196		93.0	7.00	0.00	17.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
197		97.5	2.50	0.00	17.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
198		88.0	4.00	0.00	16.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
199		87.0	7.00	0.00	10.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
200		85.0	8.00	0.00	15.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
201		97.0	3.00	0.00	2.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
202		94.0	5.00	0.00	9.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
203		93.0	6.00	0.00	10.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
204		50.0	46.00	0.00	2.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
205		91.0	6.50	0.00	10.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
206		79.0	9.00	0.00	49.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
207		90.0	4.00	0.00	16.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
208		96.0	3.00	0.00	3.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
209		97.9	2.00	0.00	5.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
210		95.0	2.50	0.00	9.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
211		77.0	5.00	0.00	25.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
212		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
213		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
214		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
215	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	5.0	
216	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
217	33307901	06JUL1990	CC03	1018	3330.00	7901.65	3330.98	7901.45	1	1	PR02	7	0	
218	33317901	06JUL1990	CC03	1028	3331.00	7901.25	3331.57	7901.00	1	1	PR02	15	0	
219	33317900	06JUL1990	CC03	1039	3331.57	7900.98	3331.98	7900.30	1	1	PR02	7	0	
220	33327900	06JUL1990	CC03	1045	3332.00	7900.32	3332.18	7900.00	1	1	PR02	7	0	
221	33317859	06JUL1990	CC03	1100	3331.98	7859.08	3331.40	7859.00	1	1	PR02	10	0	
222	33317858	06JUL1990	CC03	1112	3331.40	7858.98	3331.98	7858.27	1	1	PR02	10	0	
223	33327858	06JUL1990	CC03	1118	3332.00	7858.27	3332.30	7858.00	1	1	PR02	10	0	
224	33327857	06JUL1990	CC03	1127	3332.30	7857.98	3333.00	7857.28	1	1	PR02	9	0	
225	33337857	06JUL1990	CC03	1138	3333.00	7857.28	3333.35	7856.98	1	1	PR02	8	0	
226	33337856	06JUL1990	CC03	1148	3333.35	7856.98	3333.33	7856.00	1	1	PR02	9	0	
227	33337855	06JUL1990	CC03	1205	3333.33	7855.98	3334.00	7855.35	1	1	PR02	10	0	
228	33347855	06JUL1990	CC03	1218	3334.00	7855.35	3334.38	7855.00	1	1	PR02	10	0	
229	33347854	06JUL1990	CC03	1227	3334.23	7854.98	3334.98	7854.43	1	1	PR02	10	0	
230	33357854	06JUL1990	CC03	1239	3335.00	7854.43	3335.53	7854.00	1	1	PR02	10	0	
231	33357853	06JUL1990	CC03	1248	3335.53	7853.98	3335.98	7853.62	1	1	PR02	10	0	
232	33367853	06JUL1990	CC03	1257	3336.00	7853.62	3336.63	7853.00	1	1	PR02	10	0	
233	33367852	06JUL1990	CC03	1304	3336.63	7852.98	3337.00	7852.63	1	1	PR02	10	0	
234	33377852	06JUL1990	CC03	1313	3337.00	7852.63	3337.75	7852.00	1	1	PR02	10	0	
235	33377851	06JUL1990	CC03	1322C	3337.75	7851.99	3337.98	7851.77	1	1	PR02	10	0	
236	33387851	06JUL1990	CC03	1333	3338.00	7851.77	3338.87	7851.00	1	1	PR02	10	0	
237	33387850	06JUL1990	CC03	1343	3338.87	7850.98	3338.98	7850.77	1	1	PR02	9	0	
238	33397850	06JUL1990	CC03	1355	3339.00	7850.77	3339.93	7850.00	1	1	PR02	9	0	
239	33407849	06JUL1990	CC03	1413	3340.00	7849.88	3340.98	7849.00	1	1	PR02	9	0	
240	33327859	06JUL1990	CC03	1422C	3332.18	7859.27	3332.98	7859.22	1	1	PR02	10	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
217	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	8.0	
218	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	5.0	
219	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
220	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
221	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	6.0	
222	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	12.0	
223	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	6.0	
224	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
225	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
226	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
227	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
228	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
229	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
230	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
231	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
232	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
233	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
234	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
235	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
236	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
237	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
238	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
239	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	50.0	0.0	1.0	
240	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	50.0	1.0	4.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
241	33417848	06JUL1990	CC03	1434	3341.00	7848.98	3341.98	7848.05	1	1	PR02	11	0	
242	33427847	06JUL1990	CC03	1459	3342.00	7847.98	3342.88	7847.00	1	1	PR02	10	0	
243	33427846	06JUL1990	CC03	1512	3342.87	7846.97	3342.00	7846.82	1	1	PR02	9	0	
244	33427848	06JUL1990	CC03	1518C	3342.00	7848.05	3342.08	7848.00	1	1	PR02	9	0	
245	33417846	06JUL1990	CC03	1524	3342.00	7846.82	3341.90	7846.98	1	1	PR02	9	0	
246	33417847	06JUL1990	CC03	1532	3341.90	7847.00	3341.00	7847.83	1	1	PR02	9	0	
247	33407847	06JUL1990	CC03	1548	3340.98	7847.83	3340.83	7848.00	1	1	PR02	11	0	
248	33327854	14JUN1990	CC04	1252	3332.78	7854.00	3332.00	7854.37	1	1	PR02	10	0	
249	33317854	14JUN1990	CC04	1312	3331.98	7854.37	3331.00	7854.85	1	1	PR02	11	0	
250	33307854	14JUN1990	CC04	1322C	3330.98	7854.85	3330.73	7854.98	1	1	PR02	12	0	
251	33307855	14JUN1990	CC04	1333	3330.73	7855.00	3330.00	7855.32	1	1	PR02	12	0	
252	33297855	14JUN1990	CC04	1352	3329.99	7855.32	3329.00	7855.75	1	1	PR02	12	0	
253	33287855	14JUN1990	CC04	1400C	3328.98	7855.75	3328.57	7855.97	1	1	PR02	12	0	
254	33287855	14JUN1990	CC04	1409	3328.57	7855.97	3328.53	7855.98	1	1	PR02	12	0	
255	33277855	14JUN1990	CC04	1418	3327.98	7855.90	3327.85	7855.98	1	1	PR02	10	0	
256	33277856	14JUN1990	CC04	1433	3327.85	7856.00	3327.00	7856.62	1	1	PR02	10	0	
257	33267856	14JUN1990	CC04	1443	3326.98	7856.62	3326.95	7856.98	1	1	PR02	10	0	
258	33267856	14JUN1990	CC04	1448	3326.92	7856.92	3326.98	7856.98	1	1	PR02	10	0	
259	33277857	14JUN1990	CC04	1502	3327.08	7857.00	3327.98	7857.78	1	1	PR02	11	0	
260	33287858	14JUN1990	CC04	1518	3328.35	7858.00	3328.98	7858.42	1	1	PR02	10	0	
261	33297858	14JUN1990	CC04	1532	3329.00	7858.42	3329.90	7858.98	1	1	PR02	10	0	
262	33207900	24JUL1990	CC05	1540	3320.27	7900.00	3320.98	7900.53	1	1	PR02	13	0	
263	33217900	24JUL1990	CC05	1550	3321.00	7900.53	3321.75	7900.99	1	1	PR02	13	0	
264	33227901	24JUL1990	CC05	1605	3321.45	7901.00	3321.59	7901.15	1	1	PR02	13	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
241	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	50.0	60.0	1.0	2.0	
242	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	50.0	0.0	1.0	
243	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
244	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
245	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
246	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	50.0	1.0	7.0	
247	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	40.0	1.0	8.0	
248	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	62.0	1.0	5.0	
249	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	80.0	100.0	1.0	6.0	
250	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	80.0	100.0	1.0	5.0	
251	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	0.0	1.0	
252	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	0.0	1.0	
253	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	0.0	1.0	
254	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	3.0	
255	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	0.0	1.0	
256	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	0.0	1.0	
257	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	3.0	
258	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	0.0	1.0	
259	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	0.0	1.0	
260	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	12.0	
261	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	5.0	
262	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	50.0	1.0	8.0	
263	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	40.0	1.0	4.0	
264	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	40.0	1.0	3.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
265	33277855	31JUL1990	CC06	1000	3327.98	7855.70	3327.87	7855.98	1	1	PR02	10	0	
266	33277856	31JUL1990	CC06	1015	3327.87	7856.00	3327.17	7856.98	1	1	PR02	10	0	
267	33277857	31JUL1990	CC06	1030C	3327.17	7857.00	3327.02	7857.13	1	1	PR02	11	0	
268	33267857	31JUL1990	CC06	1045	3326.98	7857.13	3326.20	7857.98	1	1	PR02	12	0	
269	33267858	31JUL1990	CC06	1055C	3326.20	7858.00	3326.00	7858.27	1	1	PR02	11	0	
270	33257858	31JUL1990	CC06	1105	3325.98	7858.27	3325.38	7858.98	1	1	PR02	11	0	
271	33257859	31JUL1990	CC06	1120	3325.38	7859.00	3325.00	7859.33	1	1	PR02	12	0	
272	33247859	31JUL1990	CC06	1135	3324.98	7859.33	3324.33	7859.98	1	1	PR02	11	0	
273	33247900	31JUL1990	CC06	1145C	3324.33	7900.00	3324.00	7900.23	1	1	PR02	11	0	
274	33237900	31JUL1990	CC06	1155	3323.98	7900.23	3323.20	7900.98	1	1	PR02	12	0	
275	33237901	31JUL1990	CC06	1210	3323.20	7901.00	3323.00	7901.20	1	1	PR02	12	0	
276	33227901	31JUL1990	CC06	1225	3322.98	7901.20	3322.17	7901.98	1	1	PR02	12	0	
277	33227902	31JUL1990	CC06	1235C	3322.28	7902.00	3322.00	7902.13	1	1	PR02	13	0	
278	33217902	31JUL1990	CC06	1245	3322.00	7902.13	3321.08	7902.98	1	1	PR02	12	0	
279	33217903	31JUL1990	CC06	1255C	3321.08	7903.00	3321.00	7903.05	1	1	PR02	12	0	
280	33207903	31JUL1990	CC06	1305	3320.98	7903.03	3320.00	7903.72	1	1	PR02	12	0	
281	33197903	31JUL1990	CC06	1330	3319.98	7903.68	3319.27	7903.98	1	1	PR02	12	0	
282	33197904	31JUL1990	CC06	1340	3319.27	7904.00	3319.00	7904.17	1	1	PR02	13	0	
283	33177905	31JUL1990	CC06	1415	3317.98	7905.07	3317.98	7905.57	1	1	PR02	14	0	
284	33067908	18OCT1992	CC07	0015C	3306.00	7908.55	3306.53	7908.98	1	1	PR01	14	0	
285	32557924	21OCT1992	CC07	0210	3255.00	7924.67	3255.43	7924.98	1	1	PR02	14	0	
286	32557925	21OCT1992	CC07	0215C	3255.43	7925.00	3255.98	7925.45	1	1	PR02	14	0	
287	33027917	22OCT1992	CC07	0220C	3302.12	7917.00	3302.98	7917.28	1	1	PR02	11	0	
288	33037917	22OCT1992	CC07	0230	3303.00	7917.28	3303.10	7917.00	1	1	PR02	11	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
265	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
266	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
267	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	6.0	
268	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
269	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
270	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
271	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
272	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
273	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
274	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
275	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
276	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
277	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
278	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	5.0	
279	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	6.0	
280	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
281	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
282	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
283	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
284	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	5.0	
285	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	7.0	
286	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	6.0	
287	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	4.0	
288	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	5.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
289	32567923	21OCT1992	CC07	0250	3256.70	7923.98	3256.00	7923.27	1	1	PR02	15	0	
290	33037915	22OCT1992	CC07	0250	3303.23	7915.98	3303.00	7915.70	1	1	PR02	9	0	
291	33037916	22OCT1992	CC07	0255C	3303.10	7916.98	3303.23	7916.00	1	1	PR02	9	0	
292	32557923	21OCT1992	CC07	0305C	3255.98	7923.45	3255.63	7923.00	1	1	PR02	17	0	
293	33057908	18OCT1992	CC07	0650	3305.27	7908.00	3305.98	7908.55	1	1	PR01	6	0	
294	33077910	18OCT1992	CC07	0710	3307.00	7910.50	3307.78	7910.00	1	1	PR01	6	0	
295	33087910	18OCT1992	CC07	0721	3308.32	7910.43	3308.00	7910.48	1	1	PR01	6	0	
296	33077910	18OCT1992	CC07	0750	3307.98	7910.48	3307.00	7910.60	1	1	PR01	6	0	
297	33067910	18OCT1992	CC07	0805C	3306.98	7910.60	3306.00	7910.65	1	1	PR01	7	0	
298	33057910	18OCT1992	CC07	0811	3305.98	7910.65	3305.00	7910.22	1	1	PR01	7	0	
299	33077910	18OCT1992	CC07	0811C	3307.78	7910.00	3307.98	7910.17	1	1	PR01	7	0	
300	33067909	18OCT1992	CC07	0815C	3306.53	7909.00	3306.98	7909.40	1	1	PR01	6	0	
301	33047910	18OCT1992	CC07	0825C	3304.98	7910.22	3304.72	7910.00	1	1	PR01	7	0	
302	33047909	18OCT1992	CC07	0830	3304.72	7909.98	3304.03	7909.48	1	1	PR01	8	0	
303	33027908	18OCT1992	CC07	0850	3302.98	7908.70	3302.00	7908.00	1	1	PR01	9	0	
304	32577920	21OCT1992	CC07	0952C	3257.17	7920.98	3257.02	7920.33	1	1	PR02	12	0	
305	32577921	21OCT1992	CC07	1010	3257.00	7921.42	3257.17	7921.00	1	1	PR02	12	0	
306	33027913	22OCT1992	CC07	1030C	3302.27	7913.00	3302.98	7913.57	1	1	PR02	11	0	
307	33027912	22OCT1992	CC07	1040C	3302.00	7912.80	3302.27	7912.98	1	1	PR02	9	0	
308	33027914	22OCT1992	CC07	1055C	3302.17	7914.98	3302.00	7914.83	1	1	PR02	9	0	
309	33037914	22OCT1992	CC07	1100C	3303.57	7914.00	3303.98	7914.28	1	1	PR02	9	0	
310	33047914	22OCT1992	CC07	1110	3304.00	7914.28	3304.43	7914.00	1	1	PR02	8	0	
311	33047913	22OCT1992	CC07	1130	3304.43	7913.98	3304.18	7913.00	1	1	PR02	11	0	
312	33047912	22OCT1992	CC07	1140C	3304.18	7912.98	3304.00	7912.63	1	1	PR02	11	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
289	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	8.0	
290	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	5.0	
291	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	6.0	
292	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	5.0	
293	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	5.5	
294	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	5.0	
295	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	8.0	
296	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	5.0	
297	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	5.0	
298	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	4.0	
299	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	5.0	
300	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	5.0	
301	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	7.0	
302	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	3.0	
303	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	4.0	
304	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	90.0	1.0	2.0	
305	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	90.0	1.0	4.0	
306	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	90.0	1.0	3.0	
307	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	90.0	1.0	3.0	
308	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	90.0	1.0	4.0	
309	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	9.0	
310	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	9.0	
311	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	4.0	
312	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	6.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
313	33027911	22OCT1992	CC07	1155C	3302.98	7911.23	3302.65	7911.00	1	1	PR02	11	0	
314	33027910	22OCT1992	CC07	1215C	3302.65	7910.98	3302.00	7910.47	1	1	PR02	12	0	
315	33077904	17OCT1992	CC07	2120C	3307.02	7904.50	3307.58	7904.98	1	1	PR01	12	0	
316	33077906	17OCT1992	CC07	2145C	3307.63	7906.98	3307.00	7906.88	1	1	PR01	12	0	
317	33087905	17OCT1992	CC07	2150	3308.00	7905.25	3308.78	7905.98	1	1	PR01	13	0	
318	33097906	17OCT1992	CC07	2210	3309.00	7906.17	3309.82	7906.98	1	1	PR01	10	0	
319	33107907	17OCT1992	CC07	2230	3310.00	7907.30	3310.05	7907.32	1	1	PR02	7	0	
320	33097907	17OCT1992	CC07	2240C	3309.82	7907.00	3309.98	7907.30	1	1	PR02	9	0	
321	33097908	17OCT1992	CC07	2245C	3309.13	7908.00	3309.00	7908.07	1	1	PR01	9	0	
322	33087908	17OCT1992	CC07	2253	3308.98	7908.07	3308.33	7908.00	1	1	PR01	8	0	
323	33087907	17OCT1992	CC07	2305C	3308.33	7907.98	3307.98	7907.65	1	1	PR01	9	0	
324	33077907	17OCT1992	CC07	2310	3307.98	7907.65	3307.18	7907.00	1	1	PR01	8	0	
325	33077905	17OCT1992	CC07	2315C	3307.58	7905.00	3307.98	7905.32	1	1	PR01	7	0	
326	33067906	17OCT1992	CC07	2330	3306.98	7906.72	3306.00	7906.10	1	1	PR01	9	0	
327	33087906	17OCT1992	CC07	2330C	3308.78	7906.00	3308.98	7906.13	1	1	PR01	9	0	
328	33487834	19FEB1992	CC08		3348.00	7834.27	3347.68	7834.00	1	2	0101	0	0	NH
329	33117904	10AUG1992	CC08	1126	3311.40	7904.28	3311.25	7904.60	1	0	PR02	12	0	
330	33107905	10AUG1992	CC08	1145	3310.71	7905.26	3310.04	7905.87	1	0	PR02	11	0	
331	33097906	10AUG1992	CC08	1200	3309.44	7906.42	0.00	0.00	1	0	PR02	10	0	
332	33087907	10AUG1992	CC08	1215	3308.80	7907.05	3308.03	7907.54	1	0	PR02	10	0	
333	33077908	10AUG1992	CC08	1235	3307.66	7908.08	3307.07	7908.60	1	0	PR02	8	0	
334	33067909	10AUG1992	CC08	1250	3306.49	7909.19	0.00	0.00	1	0	PR02	8	0	
335	33057909	10AUG1992	CC08	1300	3305.95	7909.76	0.00	0.00	1	0	PR02	7	0	
336	33047910	10AUG1992	CC08	1310	3304.79	7910.84	0.00	0.00	1	0	PR02	7	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
313	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	3.0	
314	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	4.0	
315	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	5.0	
316	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	5.0	
317	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	3.0	
318	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	3.0	
319	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	0.0	1.0	
320	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	0.0	1.0	
321	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	3.0	
322	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	3.0	
323	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	4.0	
324	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	2.0	
325	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	5.0	
326	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	5.0	
327	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	200.0	1.0	3.0	
328		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
329	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	5.0	
330	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
331	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
332	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	5.0	
333	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	6.0	
334	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	7.0	
335	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	6.0	
336	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	8.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	D
337	33057910	10AUG1992	CC08	1320	3305.01	7910.63	0.00	0.00	1	0	PR02	
338	33047911	10AUG1992	CC08	1330	3304.38	7911.51	0.00	0.00	1	0	PR02	
339	33037912	10AUG1992	CC08	1340	3303.30	7912.22	0.00	0.00	1	0	PR02	
340	33027912	10AUG1992	CC08	1353	3302.91	7912.62	0.00	0.00	1	0	PR02	
341	33027913	10AUG1992	CC08	1400	3302.52	7913.02	0.00	0.00	1	0	PR02	
342	33017913	10AUG1992	CC08	1410	3301.98	7913.55	0.00	0.00	1	0	PR02	
343	33017914	10AUG1992	CC08	1420	3301.38	7914.12	0.00	0.00	1	0	PR02	
344	33007914	10AUG1992	CC08	1435	3300.93	7914.52	3300.40	7914.98	1	0	PR02	
345	32597915	10AUG1992	CC08	1450	3259.86	7915.51	0.00	0.00	1	0	PR02	
346	32597916	10AUG1992	CC08	1500	3259.37	7916.00	0.00	0.00	1	0	PR02	
347	32587916	10AUG1992	CC08	1510	3258.85	7916.49	0.00	0.00	1	0	PR02	
348	32587917	10AUG1992	CC08	1527	3258.41	7917.36	3258.22	7917.96	1	0	PR02	
349	32577919	10AUG1992	CC08	1557	3257.70	7919.34	3257.57	7919.18	1	0	PR02	
350	32577918	10AUG1992	CC08	1610	3257.24	7918.30	0.00	0.00	1	0	PR02	
351	32567917	10AUG1992	CC08	1625	3256.60	7917.83	3256.01	7917.19	1	0	PR02	
352	32557916	10AUG1992	CC08	1640	3255.51	7916.49	0.00	0.00	1	0	PR02	
353	32547915	10AUG1992	CC08	1655	3254.96	7915.79	3254.45	7915.06	1	0	PR02	
354	32547914	10AUG1992	CC08	1715	3254.80	7914.32	3254.80	7914.32	1	0	PR02	
355	32567912	10AUG1992	CC08	1732	3256.39	7912.88	0.00	0.00	1	0	PR02	
356	32577912	10AUG1992	CC08	1740	3257.00	7912.33	0.00	0.00	1	0	PR02	
357	32577911	10AUG1992	CC08	1750	3257.71	7911.59	0.00	0.00	1	0	PR02	
358	32587910	10AUG1992	CC08	1800	3258.47	7910.88	0.00	0.00	1	0	PR02	
359	32597910	10AUG1992	CC08	1810	3259.15	7910.20	0.00	0.00	1	0	PR02	
360	32597909	10AUG1992	CC08	1820	3259.77	7909.61	0.00	0.00	1	0	PR02	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	
337	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
338	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
339	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
340	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
341	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
342	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
343	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
344	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
345	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
346	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
347	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
348	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
349	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
350	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
351	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
352	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	
353	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	
354	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	70.0	
355	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	61.0	
356	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	61.0	
357	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	61.0	
358	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	61.0	
359	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	61.0	
360	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	61.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
361	33007908	10AUG1992	CC08	1832	3300.67	7908.75	0.00	0.00	1	0	PR02	13	0	
362	33017908	10AUG1992	CC08	1841	3301.32	7908.12	0.00	0.00	1	0	PR02	11	0	
363	33017907	10AUG1992	CC08	1850	3301.99	7907.43	0.00	0.00	1	0	PR02	10	0	
364	33027906	10AUG1992	CC08	1900	3302.76	7906.71	0.00	0.00	1	0	PR02	9	0	
365	33037906	10AUG1992	CC08	1910	3303.46	7906.05	0.00	0.00	1	0	PR02	10	0	
366	33047905	10AUG1992	CC08	1920	3304.16	7905.37	0.00	0.00	1	0	PR02	12	0	
367	33047904	10AUG1992	CC08	1930	3304.85	7904.66	0.00	0.00	1	0	PR02	13	0	
368	33057904	10AUG1992	CC08	1940	3305.57	7904.00	0.00	0.00	1	0	PR02	13	0	
369	33067903	10AUG1992	CC08	1950	3306.28	7903.32	0.00	0.00	1	0	PR02	14	0	
370	33067902	10AUG1992	CC08	2000	3306.99	7902.62	0.00	0.00	1	0	PR02	15	0	
371	33077901	10AUG1992	CC08	2010	3307.71	7901.90	0.00	0.00	1	0	PR02	14	0	
372	33087901	10AUG1992	CC08	2020	3308.42	7901.22	0.00	0.00	1	0	PR02	14	0	
373	33097900	10AUG1992	CC08	2032	3309.27	7900.51	0.00	0.00	1	0	PR02	13	0	
374	32178017	25MAR1993	CC10	0020	3217.00	8017.94	3217.98	8017.86	1	1	PR02	18	0	
375	32188017	25MAR1993	CC10	0030	3218.00	8017.86	3218.98	8017.80	1	1	PR02	15	0	
376	32198017	25MAR1993	CC10	0045	3219.02	8017.80	3219.98	8017.00	1	1	PR02	15	0	
377	32208016	25MAR1993	CC10	0100	3220.01	8016.98	3220.51	8016.02	1	1	PR02	14	0	
378	32208015	25MAR1993	CC10	0110	3220.51	8015.98	3220.98	8015.00	1	1	PR02	15	0	
379	32218013	25MAR1993	CC10	0130	3221.61	8013.98	3221.99	8013.26	1	1	PR02	15	0	
380	32228012	25MAR1993	CC10	0140	3222.17	8012.99	3222.81	8012.00	1	1	PR02	15	0	
381	32228011	25MAR1993	CC10	0150	3222.81	8011.98	3222.98	8011.74	1	1	PR02	14	0	
382	32238010	25MAR1993	CC10	0200	3223.47	8010.98	3223.99	8010.14	1	1	PR02	17	0	
383	32248010	25MAR1993	CC10	0210	3224.00	8010.14	3224.08	8010.02	1	1	PR02	15	0	
384	32248009	25MAR1993	CC10	0220	3224.08	8009.99	3224.76	8009.00	1	1	PR02	13	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
361	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
362	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
363	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
364	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
365	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	5.0	
366	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
367	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	5.0	
368	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	5.0	
369	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	5.0	
370	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
371	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
372	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
373	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
374	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	3.0	
375	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	4.0	
376	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	5.0	
377	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	5.0	
378	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	3.0	
379	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	6.0	
380	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	4.0	
381	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	4.0	
382	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	4.0	
383	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	5.0	
384	H	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	5.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
385	32347953	25MAR1993	CC10	0520	3234.02	7953.80	3234.48	7953.00	1	1	PR02	15	0	
386	32347952	25MAR1993	CC10	0530	3234.48	7952.98	3234.99	7952.02	1	1	PR02	15	0	
387	32357951	25MAR1993	CC10	0540	3235.02	7951.93	3235.62	7951.00	1	1	PR02	13	0	
388	32357950	25MAR1993	CC10	0550	3235.62	7950.98	3235.98	7950.24	1	1	PR02	16	0	
389	32367949	25MAR1993	CC10	0600	3236.14	7949.98	3236.67	7949.01	1	1	PR02	15	0	
390	32367948	25MAR1993	CC10	0610	3236.67	7948.99	3236.98	7948.31	1	1	PR02	14	0	
391	32377948	25MAR1993	CC10	0620	3237.02	7948.31	3237.18	7948.00	1	1	PR02	14	0	
392	32377947	25MAR1993	CC10	0630	3237.18	7947.99	3237.71	7947.00	1	1	PR02	16	0	
393	32387946	25MAR1993	CC10	0640	3238.00	7946.48	3238.23	7946.02	1	1	PR02	13	0	
394	32387945	25MAR1993	CC10	0650	3238.23	7945.99	3238.76	7945.00	1	1	PR02	15	0	
395	32417940	25MAR1993	CC10	0730	3241.00	7940.98	3241.46	7940.02	1	1	PR02	16	0	
396	32427938	25MAR1993	CC10	0750	3242.02	7938.92	3242.66	7938.00	1	1	PR02	15	0	
397	32437936	25MAR1993	CC10	0810	3243.20	7936.99	3243.79	7936.00	1	1	PR02	18	0	
398	32447934	25MAR1993	CC10	0830	3244.22	7934.99	3244.97	7934.00	1	1	PR02	17	0	
399	32457933	25MAR1993	CC10	0840	3245.00	7933.99	3245.63	7933.00	1	1	PR02	15	0	
400	32457932	25MAR1993	CC10	0850	3245.63	7932.99	3245.99	7932.39	1	1	PR02	16	0	
401	32148017	24MAR1993	CC10	2340	3214.00	8017.42	3214.66	8017.98	1	1	PR02	18	0	
402	32148018	24MAR1993	CC10	2350	3214.66	8018.01	3214.98	8018.15	1	1	PR02	17	0	
403	32158018	24MAR1993	CC10	2400	3215.66	8018.03	3215.98	8018.04	1	1	PR02	18	0	
404	32357957	25OCT1993	CC11	0847	3235.59	7957.03	0.00	0.00	1	0	PR02	12	0	
405	32347957	25OCT1993	CC11	0855	3234.59	7957.92	0.00	0.00	1	0	PR02	12	0	
406	32347958	25OCT1993	CC11	0902	3234.26	7958.80	0.00	0.00	1	0	PR02	13	0	
407	32347959	25OCT1993	CC11	0910	3234.05	7959.10	0.00	0.00	1	0	PR02	14	0	
408	32337959	25OCT1993	CC11	0915	3233.69	7959.72	0.00	0.00	1	0	PR02	13	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
385	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	2.0	
386	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	3.0	
387	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	4.0	
388	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	3.0	
389	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	4.0	
390	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	4.0	
391	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	5.0	
392	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	5.0	
393	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	5.0	
394	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	5.0	
395	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	4.0	
396	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	91.0	1.0	5.0	
397	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	91.0	1.0	3.0	
398	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	91.0	1.0	4.0	
399	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	91.0	1.0	3.0	
400	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	10.0	91.0	1.0	5.0	
401	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	5.0	
402	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	11.0	
403	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	81.0	1.0	8.0	
404	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	6.0	
405	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	7.0	
406	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
407	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	5.0	
408	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
409	32338000	25OCT1993	CC11	0920	3233.33	8000.10	0.00	0.00	1	0	PR02	14	0	
410	32328000	25OCT1993	CC11	0926	3232.93	8000.69	0.00	0.00	1	0	PR02	12	0	
411	32308000	26OCT1993	CC11	0934	3245.45	7954.75	0.00	0.00	1	0	PR02	10	0	
412	32328001	25OCT1993	CC11	0935	3232.46	8001.49	0.00	0.00	1	0	PR02	13	0	
413	32457954	26OCT1993	CC11	0940	3245.43	7954.20	0.00	0.00	1	0	PR02	11	0	
414	32318001	25OCT1993	CC11	0945	3231.97	8001.74	0.00	0.00	1	0	PR02	13	0	
415	32457953	26OCT1993	CC11	0950	3245.58	7953.36	0.00	0.00	1	0	PR02	13	0	
416	32328001	25OCT1993	CC11	0955	3232.17	8001.39	0.00	0.00	1	0	PR02	14	0	
417	32457952	26OCT1993	CC11	1005	3245.50	7952.31	0.00	0.00	1	0	PR02	15	0	
418	32328000	25OCT1993	CC11	1010	3232.56	8000.85	0.00	0.00	1	0	PR02	13	0	
419	32338000	25OCT1993	CC11	1020	3233.15	8000.21	0.00	0.00	1	0	PR02	14	0	
420	32457953	26OCT1993	CC11	1020	3245.60	7953.12	0.00	0.00	1	0	PR02	12	0	
421	32337959	25OCT1993	CC11	1027	3233.42	7959.69	0.00	0.00	1	0	PR02	14	0	
422	32447952	26OCT1993	CC11	1030	3244.97	7952.41	0.00	0.00	1	0	PR02	11	0	
423	32337958	25OCT1993	CC11	1037	3233.84	7958.60	0.00	0.00	1	0	PR02	13	0	
424	32447953	26OCT1993	CC11	1040	3244.92	7953.38	0.00	0.00	1	0	PR02	11	0	
425	32337956	25OCT1993	CC11	1048	3233.50	7956.75	0.00	0.00	1	0	PR02	14	0	
426	32467954	26OCT1993	CC11	1050	3246.66	7954.38	0.00	0.00	1	0	PR02	13	0	
427	32347957	25OCT1993	CC11	1055	3234.58	7957.67	0.00	0.00	1	0	PR02	13	0	
428	32347955	25OCT1993	CC11	1100	3234.34	7955.74	0.00	0.00	1	0	PR02	13	0	
429	32467953	26OCT1993	CC11	1100	3246.18	7953.64	0.00	0.00	1	0	PR02	12	0	
430	32357957	25OCT1993	CC11	1105	3235.18	7957.04	0.00	0.00	1	0	PR02	12	0	
431	32357956	25OCT1993	CC11	1110	3235.45	7956.76	0.00	0.00	1	0	PR02	13	0	
432	32477955	26OCT1993	CC11	1110	3247.16	7955.20	0.00	0.00	1	0	PR02	15	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
409	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
410	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
411	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
412	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
413	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
414	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
415	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	6.0	
416	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
417	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	60.0	70.0	1.0	5.0	
418	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
419	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
420	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	4.0	
421	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
422	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	4.0	
423	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
424	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	3.0	
425	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
426	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	4.0	
427	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
428	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
429	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	3.0	
430	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
431	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
432	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	5.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
433	32357955	25OCT1993	CC11	1115	3235.02	7955.01	0.00	0.00	1	0	PR02	12	0	
434	32357956	25OCT1993	CC11	1120	3235.98	7956.15	0.00	0.00	1	0	PR02	12	0	
435	32477954	26OCT1993	CC11	1120	3247.35	7954.17	0.00	0.00	1	0	PR02	15	0	
436	32367955	25OCT1993	CC11	1125	3236.17	7955.89	0.00	0.00	1	0	PR02	12	0	
437	32487955	26OCT1993	CC11	1130	3248.67	7955.73	0.00	0.00	1	0	PR02	13	0	
438	32357954	25OCT1993	CC11	1132	3235.31	7954.44	0.00	0.00	1	0	PR02	12	0	
439	32367955	25OCT1993	CC11	1140	3236.84	7955.00	0.00	0.00	1	0	PR02	12	0	
440	32477953	26OCT1993	CC11	1147	3247.60	7953.73	0.00	0.00	1	0	PR02	15	0	
441	32367953	25OCT1993	CC11	1150	3236.10	7953.38	0.00	0.00	1	0	PR02	11	0	
442	32487952	26OCT1993	CC11	1200	3248.51	7952.75	0.00	0.00	1	0	PR02	15	0	
443	32367952	25OCT1993	CC11	1202	3236.43	7952.92	0.00	0.00	1	0	PR02	11	0	
444	32497955	26OCT1993	CC11	1210	3249.50	7955.23	0.00	0.00	1	0	PR02	15	0	
445	32377951	25OCT1993	CC11	1218	3237.42	7951.34	0.00	0.00	1	0	PR02	11	0	
446	32487954	26OCT1993	CC11	1220	3248.11	7954.23	0.00	0.00	1	0	PR02	16	0	
447	32397951	25OCT1993	CC11	1230	3239.16	7951.62	0.00	0.00	1	0	PR02	11	0	
448	32477954	26OCT1993	CC11	1230	3247.57	7954.12	0.00	0.00	1	0	PR02	14	0	
449	32397950	25OCT1993	CC11	1240	3239.63	7950.96	0.00	0.00	1	0	PR02	11	0	
450	32477952	26OCT1993	CC11	1240	3247.02	7952.64	0.00	0.00	1	0	PR02	15	0	
451	32407950	25OCT1993	CC11	1250	3240.07	7950.34	0.00	0.00	1	0	PR02	11	0	
452	32467951	26OCT1993	CC11	1250	3246.26	7951.49	0.00	0.00	1	0	PR02	15	0	
453	32407949	25OCT1993	CC11	1300	3240.56	7949.71	0.00	0.00	1	0	PR02	11	0	
454	32397948	25OCT1993	CC11	1310	3239.68	7948.28	0.00	0.00	1	0	PR02	11	0	
455	32447949	26OCT1993	CC11	1315	3244.17	7949.88	0.00	0.00	1	0	PR02	12	0	
456	32467953	26OCT1993	CC11	1330	3246.89	7953.35	0.00	0.00	1	0	PR02	13	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
433	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
434	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
435	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	5.0	
436	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
437	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	5.0	
438	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
439	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
440	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	4.0	
441	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
442	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	5.0	
443	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
444	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	6.0	
445	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
446	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	7.0	
447	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	2.0	
448	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	7.0	
449	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	2.0	
450	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	7.0	
451	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	2.0	
452	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	6.0	
453	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	2.0	
454	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	3.0	
455	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	5.0	
456	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	4.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
457	32397950	25OCT1993	CC11	1335	3239.67	7950.33	0.00	0.00	1	0	PR02	12	0	
458	32467952	26OCT1993	CC11	1340	3246.29	7952.57	0.00	0.00	1	0	PR02	12	0	
459	32387951	25OCT1993	CC11	1345	3238.90	7951.36	0.00	0.00	1	0	PR02	12	0	
460	32467953	26OCT1993	CC11	1350	3246.25	7953.95	0.00	0.00	1	0	PR02	11	0	
461	32467956	26OCT1993	CC11	1400	3246.92	7956.00	0.00	0.00	1	0	PR02	9	0	
462	32387952	25OCT1993	CC11	1430	3238.05	7952.90	0.00	0.00	1	0	PR02	12	0	
463	32367952	25OCT1993	CC11	1440	3236.16	7952.84	0.00	0.00	1	0	PR02	12	0	
464	32367954	25OCT1993	CC11	1450	3236.78	7954.55	0.00	0.00	1	0	PR02	13	0	
465	32367955	25OCT1993	CC11	1500	3236.11	7955.39	0.00	0.00	1	0	PR02	14	0	
466	32357956	25OCT1993	CC11	1510	3235.47	7956.19	0.00	0.00	1	0	PR02	14	0	
467	32347957	25OCT1993	CC11	1530	3234.15	7957.84	0.00	0.00	1	0	PR02	15	0	
468	32337958	25OCT1993	CC11	1540	3233.52	7958.71	0.00	0.00	1	0	PR02	14	0	
469	32327959	25OCT1993	CC11	1550	3232.89	7959.60	0.00	0.00	1	0	PR02	14	0	
470	32348000	25OCT1993	CC11	1600	3234.43	8000.30	0.00	0.00	1	0	PR02	14	0	
471	32328000	27OCT1993	CC11	1806	3232.39	8000.05	0.00	0.00	1	0	PR02	14	0	
472	32347957	27OCT1993	CC11	1830	3234.25	7957.53	0.00	0.00	1	0	PR02	14	0	
473	32337955	27OCT1993	CC11	1840	3233.76	7955.96	0.00	0.00	1	0	PR02	15	0	
474	32347955	27OCT1993	CC11	1850	3234.34	7955.05	0.00	0.00	1	0	PR02	14	0	
475	32357955	27OCT1993	CC11	1900	3235.55	7955.77	0.00	0.00	1	0	PR02	14	0	
476	32357953	27OCT1993	CC11	1910	3235.59	7953.36	0.00	0.00	1	0	PR02	13	0	
477	32367952	27OCT1993	CC11	1920	3236.21	7952.47	0.00	0.00	1	0	PR02	13	0	
478	32367951	27OCT1993	CC11	1930	3236.88	7951.63	0.00	0.00	1	0	PR02	13	0	
479	32387951	27OCT1993	CC11	1940	3238.73	7951.75	0.00	0.00	1	0	PR02	14	0	
480	32387949	27OCT1993	CC11	1950	3238.17	7949.87	0.00	0.00	1	0	PR02	12	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZIR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
457	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	4.0	
458	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	3.0	
459	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	70.0	1.0	4.0	
460	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	2.0	
461	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	2.0	
462	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
463	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
464	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
465	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
466	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
467	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
468	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
469	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
470	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
471	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	3.0	
472	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	4.0	
473	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	7.0	
474	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	7.0	
475	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	6.0	
476	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	5.0	
477	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	8.0	
478	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	5.0	
479	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	5.0	
480	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	80.0	1.0	10.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
481	33387843	05NOV1993	CC12	0610	3338.70	7843.15	0.00	0.00	1	0	PR02	15	0	
482	33397842	04NOV1993	CC12	0620	3339.79	7842.11	0.00	0.00	1	0	PR02	15	0	
483	33407841	05NOV1993	CC12	0630	3340.39	7841.51	0.00	0.00	1	0	PR02	15	0	
484	33417840	05NOV1993	CC12	0640	3341.24	7840.79	0.00	0.00	1	0	PR02	14	0	
485	33417840	05NOV1993	CC12	0650	3341.85	7840.13	0.00	0.00	1	0	PR02	14	0	
486	33427839	05NOV1993	CC12	0700	3342.77	7839.37	0.00	0.00	1	0	PR02	15	0	
487	33437838	05NOV1993	CC12	0710	3343.60	7838.89	0.00	0.00	1	0	PR02	14	0	
488	33447838	05NOV1993	CC12	0720	3344.53	7838.14	0.00	0.00	1	0	PR02	14	0	
489	33447837	05NOV1993	CC12	0730	3344.94	7837.55	0.00	0.00	1	0	PR02	14	0	
490	33457836	05NOV1993	CC12	0740	3345.37	7836.32	0.00	0.00	1	0	PR02	14	0	
491	33457835	05NOV1993	CC12	0750	3345.69	7835.46	0.00	0.00	1	0	PR02	14	0	
492	33457834	05NOV1993	CC12	0800	3345.98	7834.44	0.00	0.00	1	0	PR02	14	0	
493	33467833	05NOV1993	CC12	0810	3346.34	7833.48	0.00	0.00	1	0	PR02	14	0	
494	33467832	05NOV1993	CC12	0820	3346.63	7832.46	0.00	0.00	1	0	PR02	14	0	
495	33477831	05NOV1993	CC12	0830	3347.04	7831.52	0.00	0.00	1	0	PR02	14	0	
496	33477830	05NOV1993	CC12	0840	3347.29	7830.50	0.00	0.00	1	0	PR02	14	0	
497	32467830	05NOV1993	CC12	0850	3346.61	7830.20	0.00	0.00	1	0	PR02	16	0	
498	33457832	05NOV1993	CC12	0920	3345.57	7832.80	0.00	0.00	1	0	PR02	15	0	
499	33457833	05NOV1993	CC12	0930	3345.23	7833.76	0.00	0.00	1	0	PR02	14	0	
500	33457834	05NOV1993	CC12	0940	3345.90	7834.27	0.00	0.00	1	0	PR02	14	0	
501	33467834	05NOV1993	CC12	0950	3346.82	7834.76	0.00	0.00	1	0	PR02	14	0	
502	33497835	05NOV1993	CC12	1015	3349.01	7835.98	0.00	0.00	1	0	PR02	12	0	
503	33497836	05NOV1993	CC12	1020	3349.38	7836.17	0.00	0.00	1	0	PR02	12	0	
504	33497837	05NOV1993	CC12	1030	3349.44	7837.03	0.00	0.00	1	0	PR02	12	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
481	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
482	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
483	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
484	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
485	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
486	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	5.0	
487	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
488	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
489	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
490	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
491	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
492	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
493	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
494	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
495	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
496	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
497	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	5.0	
498	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
499	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
500	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	3.0	
501	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	0.0	1.0	
502	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	5.0	
503	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
504	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
505	33487838	05NOV1993	CC12	1050	3348.79	7838.82	0.00	0.00	1	0	PR02	12	0	
506	33487839	05NOV1993	CC12	1100	3348.59	7839.82	0.00	0.00	1	0	PR02	12	0	
507	33377854	04NOV1993	CC12	1120	3337.73	7854.75	0.00	0.00	1	0	PR02	12	0	
508	33487838	05NOV1993	CC12	1120	3348.91	7838.59	0.00	0.00	1	0	PR02	12	0	
509	32497836	05NOV1993	CC12	1130	3349.28	7837.60	0.00	0.00	1	0	PR02	12	0	
510	33387854	04NOV1993	CC12	1130	3338.28	7854.13	0.00	0.00	1	0	PR02	12	0	
511	32497836	05NOV1993	CC12	1140	3349.52	7836.61	0.00	0.00	1	0	PR02	12	0	
512	33387853	04NOV1993	CC12	1140	3338.89	7853.51	0.00	0.00	1	0	PR02	12	0	
513	33397852	04NOV1993	CC12	1150	3339.80	7852.81	0.00	0.00	1	0	PR02	12	0	
514	33407852	04NOV1993	CC12	1200	3340.34	7852.42	0.00	0.00	1	0	PR02	12	0	
515	33417851	04NOV1993	CC12	1220	3341.71	7851.13	0.00	0.00	1	0	PR02	12	0	
516	33497832	05NOV1993	CC12	1220	3349.67	7832.74	0.00	0.00	1	0	PR02	12	0	
517	33427850	04NOV1993	CC12	1230	3342.36	7850.46	0.00	0.00	1	0	PR02	12	0	
518	33497833	05NOV1993	CC12	1230	3349.52	7833.50	0.00	0.00	1	0	PR02	12	0	
519	33427849	04NOV1993	CC12	1240	3342.86	7849.64	0.00	0.00	1	0	PR02	12	0	
520	33497834	05NOV1993	CC12	1240	3349.32	7834.22	0.00	0.00	1	0	PR02	13	0	
521	33437848	04NOV1993	CC12	1250	3343.31	7848.79	0.00	0.00	1	0	PR02	12	0	
522	33497835	05NOV1993	CC12	1250	3349.07	7835.08	0.00	0.00	1	0	PR02	12	0	
523	33437847	04NOV1993	CC12	1300	3343.73	7847.90	0.00	0.00	1	0	PR02	12	0	
524	33487835	05NOV1993	CC12	1300	3348.81	7835.82	0.00	0.00	1	0	PR02	12	0	
525	33447847	04NOV1993	CC12	1310	3344.23	7847.09	0.00	0.00	1	0	PR02	12	0	
526	33447846	04NOV1993	CC12	1320	3344.76	7846.26	0.00	0.00	1	0	PR02	12	0	
527	33457845	04NOV1993	CC12	1330	3345.21	7845.41	0.00	0.00	1	0	PR02	12	0	
528	33447844	04NOV1993	CC12	1350	3344.69	7844.42	0.00	0.00	1	0	PR02	13	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
505	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
506	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
507	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
508	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
509	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	6.0	
510	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
511	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	6.0	
512	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
513	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
514	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
515	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
516	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
517	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
518	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
519	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	6.0	
520	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	4.0	
521	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	5.0	
522	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
523	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
524	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	60.0	1.0	2.0	
525	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
526	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
527	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	0.0	1.0	
528	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
529	33427846	04NOV1993	CC12	1410	3343.78	7846.17	0.00	0.00	1	0	PR02	11	0	
530	33437846	04NOV1993	CC12	1410	3343.78	7846.17	0.00	0.00	1	0	PR02	11	0	
531	33417846	04NOV1993	CC12	1420	3341.34	7846.19	0.00	0.00	1	0	PR02	12	0	
532	33427847	04NOV1993	CC12	1430	3342.81	7847.87	0.00	0.00	1	0	PR02	12	0	
533	33417850	04NOV1993	CC12	1500	3341.22	7850.21	0.00	0.00	1	0	PR02	12	0	
534	33407850	04NOV1993	CC12	1523	3340.66	7850.79	0.00	0.00	1	0	PR02	12	0	
535	33407851	04NOV1993	CC12	1530	3340.32	7851.38	0.00	0.00	1	0	PR02	12	0	
536	33397852	04NOV1993	CC12	1540	3339.70	7852.26	0.00	0.00	1	0	PR02	11	0	
537	33387853	04NOV1993	CC12	1600	3338.34	7853.39	0.00	0.00	1	0	PR02	12	0	
538	33377853	04NOV1993	CC12	1610	3337.58	7853.68	0.00	0.00	1	0	PR02	13	0	
539	33387848	04NOV1993	CC12	2040	3338.36	7848.83	0.00	0.00	1	0	PR02	13	0	
540	33397848	04NOV1993	CC12	2050	3339.09	7848.15	0.00	0.00	1	0	PR02	14	0	
541	33407847	04NOV1993	CC12	2100	3340.07	7847.25	0.00	0.00	1	0	PR02	13	0	
542	33407846	04NOV1993	CC12	2110	3340.91	7846.57	0.00	0.00	1	0	PR02	13	0	
543	33417845	04NOV1993	CC12	2120	3341.61	7845.86	0.00	0.00	1	0	PR02	14	0	
544	33427842	04NOV1993	CC12	2130	3342.40	7845.14	0.00	0.00	1	0	PR02	14	0	
545	33437844	04NOV1993	CC12	2140	3343.15	7844.43	0.00	0.00	1	0	PR02	13	0	
546	33437843	04NOV1993	CC12	2150	3344.03	7843.58	0.00	0.00	1	0	PR02	13	0	
547	33437842	04NOV1993	CC12	2200	3342.35	7842.51	0.00	0.00	1	0	PR02	13	0	
548	33437842	04NOV1993	CC12	2220	3342.35	7842.51	0.00	0.00	1	0	PR02	14	0	
549	33417843	04NOV1993	CC12	2230	3341.50	7843.41	0.00	0.00	1	0	PR02	15	0	
550	33407844	04NOV1993	CC12	2240	3340.74	7844.01	0.00	0.00	1	0	PR02	14	0	
551	33397844	04NOV1993	CC12	2250	3340.01	7844.65	0.00	0.00	1	0	PR02	14	0	
552	33397845	04NOV1993	CC12	2300	3339.22	7845.38	0.00	0.00	1	0	PR02	15	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
529	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
530	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
531	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
532	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
533	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
534	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
535	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
536	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	2.0	
537	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
538	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
539	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	2.0	
540	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
541	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	11.0	
542	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	6.0	
543	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
544	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	5.0	
545	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	2.0	
546	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
547	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
548	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	5.0	
549	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
550	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
551	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	3.0	
552	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	5.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
553	33387846	04NOV1993	CC12	2310	3338.43	7846.06	0.00	0.00	1	0	PR02	14	0	
554	33387846	04NOV1993	CC12	2310	3338.43	7846.06	0.00	0.00	1	0	PR02	15	0	
555	33377846	04NOV1993	CC12	2320	3337.69	7846.82	0.00	0.00	1	0	PR02	14	0	
556	33417851	20JAN1985	CS01	A	3341.50	7851.33	0.00	0.00	1	0	GR01	8	0	MM
557	33417851	20JAN1985	CS01	A	3341.50	7851.33	0.00	0.00	1	0	GR01	8	0	MM
558	33407852	20JAN1985	CS01	A2A	3340.46	7852.13	0.00	0.00	1	0	GR01	9	0	MM
559	33407852	20JAN1985	CS01	A2A	3340.46	7852.13	0.00	0.00	1	0	GR01	9	0	MM
560	33417851	20JAN1985	CS01	A3A	3341.52	7851.54	0.00	0.00	1	0	GR01	7	0	MM
561	33417851	20JAN1985	CS01	A3A	3341.52	7851.54	0.00	0.00	1	0	GR01	7	0	MM
562	33427851	20JAN1985	CS01	AA	3342.24	7851.21	0.00	0.00	1	0	GR01	7	0	MM
563	33427851	20JAN1985	CS01	AA	3342.24	7851.21	0.00	0.00	1	0	GR01	7	0	MM
564	33427850	20JAN1985	CS01	AAA	3342.14	7850.59	0.00	0.00	1	0	GR01	9	0	MM
565	33427850	20JAN1985	CS01	AAA	3342.14	7850.59	0.00	0.00	1	0	GR01	9	0	MM
566	33417851	20JAN1985	CS01	B	3341.54	7851.35	0.00	0.00	1	0	GR01	9	0	MM
567	33417851	20JAN1985	CS01	B	3341.54	7851.35	0.00	0.00	1	0	GR01	9	0	MM
568	33417852	20JAN1985	CS01	B2B	3341.06	7852.36	0.00	0.00	1	0	GR01	7	0	MM
569	33417852	20JAN1985	CS01	B2B	3341.03	7852.36	0.00	0.00	1	0	GR01	7	0	MM
570	33417851	20JAN1985	CS01	B3B	3341.50	7851.40	0.00	0.00	1	0	GR01	7	0	MM
571	33417851	20JAN1985	CS01	B3B	3341.50	7851.40	0.00	0.00	1	0	GR01	7	0	MM
572	33427851	20JAN1985	CS01	BB	3342.24	7851.11	0.00	0.00	1	0	GR01	8	0	MM
573	33427851	20JAN1985	CS01	BB	3342.24	7851.11	0.00	0.00	1	0	GR01	8	0	MM
574	33427851	20JAN1985	CS01	BBB	3342.03	7851.11	0.00	0.00	1	0	GR01	8	0	MM
575	33427851	20JAN1985	CS01	BBB	3342.03	7851.12	0.00	0.00	1	0	GR01	8	0	MM
576	33417851	20JAN1985	CS01	CC	3341.48	7851.46	0.00	0.00	1	0	GR01	8	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
553	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
554	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
555	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	51.0	1.0	4.0	
556		86.2	8.16	0.00	17.1	2.48	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
557		83.1	8.14	0.00	17.1	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
558		74.2	12.92	0.00	12.4	1.89	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
559		74.2	12.92	0.00	12.4	2.58	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
560		89.8	10.72	0.00	0.0	2.86	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
561		89.3	10.72	0.00	0.0	1.81	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
562		92.6	6.93	0.00	2.4	1.80	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
563		92.6	6.93	0.00	2.4	2.65	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
564		87.2	9.57	0.00	5.8	1.94	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
565		87.2	9.57	0.00	5.6	2.57	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
566		89.6	10.40	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
567		88.0	11.02	0.00	0.0	1.84	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
568		79.6	16.47	0.00	9.4	2.84	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
569		79.6	16.47	0.00	9.4	1.82	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
570		84.9	12.35	0.00	25.9	1.91	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
571		84.9	12.35	0.00	25.9	2.63	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
572		91.3	8.60	0.00	4.9	2.63	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
573		90.4	8.53	0.00	5.8	1.81	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
574		83.3	9.08	0.00	22.2	1.97	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
575		83.3	10.38	0.00	22.2	2.51	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
576		88.6	9.11	0.00	18.8	2.71	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
577	33417851	20JAN1985	CS01	CC	3341.48	7851.46	0.00	0.00	1	0	GR01	8	0	NH
578	33417851	20JAN1985	CS01	CCC	3341.48	7851.46	0.00	0.00	1	0	GR01	8	0	NH
579	33417851	20JAN1985	CS01	CCC	3341.48	7851.46	0.00	0.00	1	0	GR01	8	0	NH
580	33417851	20JAN1985	CS01	D	3341.45	7851.59	0.00	0.00	1	0	GR01	8	0	NH
581	33417851	20JAN1985	CS01	D	3341.45	7851.59	0.00	0.00	1	0	GR01	8	0	NH
582	33407852	20JAN1985	CS01	D2D	3340.37	7852.39	0.00	0.00	1	0	GR01	9	0	NH
583	33407852	20JAN1985	CS01	D2D	3340.37	7852.39	0.00	0.00	1	0	GR01	9	0	NH
584	33427851	20JAN1985	CS01	DD	3342.30	7851.09	0.00	0.00	1	0	GR01	7	0	NH
585	33427851	20JAN1985	CS01	DD	3342.30	7851.09	0.00	0.00	1	0	GR01	7	0	NH
586	33427850	20JAN1985	CS01	DDD	3342.43	7850.35	0.00	0.00	1	0	GR01	8	0	NH
587	33427850	20JAN1985	CS01	DDD	3342.43	7850.35	0.00	0.00	1	0	GR01	8	0	NH
588	33417851	20JAN1985	CS01	E	3341.54	7851.54	0.00	0.00	1	0	GR01	8	0	NH
589	33417851	20JAN1985	CS01	E	3341.54	7851.57	0.00	0.00	1	0	GR01	8	0	NH
590	33407852	20JAN1985	CS01	E2E	3340.16	7852.37	0.00	0.00	1	0	GR01	9	0	NH
591	33407852	20JAN1985	CS01	E2E	3340.16	7852.37	0.00	0.00	1	0	GR01	9	0	NH
592	33437851	20JAN1985	CS01	EE	3341.35	7851.59	0.00	0.00	1	0	GR01	8	0	NH
593	33417851	20JAN1985	CS01	F	3341.36	7851.18	0.00	0.00	1	0	GR01	8	0	NH
594	33417851	20JAN1985	CS01	F	3341.36	7851.18	0.00	0.00	1	0	GR01	8	0	NH
595	33417851	20JAN1985	CS01	F3F	3341.60	7851.18	0.00	0.00	1	0	GR01	8	0	NH
596	33417851	20JAN1985	CS01	F3F	3341.59	7851.18	0.00	0.00	1	0	GR01	8	0	NH
597	33417852	20JAN1985	CS01	FF	3341.41	7852.10	0.00	0.00	1	0	GR01	6	0	NH
598	33417852	20JAN1985	CS01	FF	3341.41	7852.10	0.00	0.00	1	0	GR01	6	0	NH
599	33417851	20JAN1985	CS01	G	3341.35	7851.47	0.00	0.00	1	0	GR01	9	0	NH
600	33417851	20JAN1985	CS01	G	3341.35	7851.47	0.00	0.00	1	0	GR01	9	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
577		88.6	9.11	0.00	18.8	1.87	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
578		89.8	10.18	0.00	0.0	4.64	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
579		89.8	10.19	0.00	0.0	1.87	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
580		83.6	11.47	0.00	9.9	1.93	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
581		83.5	11.50	0.00	9.9	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
582		81.8	16.92	0.00	8.5	1.76	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
583		81.8	16.91	0.00	8.5	2.94	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
584		90.9	7.95	0.00	29.2	2.68	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
585		90.9	7.95	0.00	29.2	1.89	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
586		84.3	8.38	0.00	16.4	2.52	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
587		84.3	8.38	0.00	16.4	1.93	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
588		90.3	9.41	0.00	3.0	1.84	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
589		90.3	9.40	0.00	2.9	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
590		84.4	11.96	0.00	19.1	1.89	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
591		84.0	11.74	0.00	9.9	2.67	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
592		81.8	4.92	0.00	9.0	2.65	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
593		68.5	10.82	0.00	10.0	2.13	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
594		68.5	10.80	0.00	10.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
595		86.1	10.90	0.00	3.0	2.84	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
596		86.1	10.90	0.00	3.0	1.82	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
597		87.1	12.36	0.00	26.1	2.74	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
598		89.1	10.35	0.00	26.1	1.82	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
599		85.8	9.68	0.00	8.4	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
600		85.8	9.68	0.00	8.4	1.93	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
601	33417851	20JAN1985	CS01	G3G	3341.59	7851.29	0.00	0.00	1	0	GR01	8	0	MM
602	33417851	20JAN1985	CS01	G3G	3341.59	7851.29	0.00	0.00	1	0	GR01	8	0	MM
603	33427850	20JAN1985	CS01	GGG	3342.53	7850.47	0.00	0.00	1	0	GR01	7	0	MM
604	33427850	20JAN1985	CS01	GGG	3342.53	7850.47	0.00	0.00	1	0	GR01	7	0	MM
605	33417851	20JAN1985	CS01	H	3341.68	7851.32	0.00	0.00	1	0	GR01	7	0	MM
606	33417851	20JAN1985	CS01	H	3341.68	7851.32	0.00	0.00	1	0	GR01	7	0	MM
607	33417851	20JAN1985	CS01	H3H	3341.60	7851.52	0.00	0.00	1	0	GR01	6	0	MM
608	33417851	20JAN1985	CS01	H3H	3341.67	7851.20	0.00	0.00	1	0	GR01	6	0	MM
609	33427850	20JAN1985	CS01	HHH	3342.51	7850.35	0.00	0.00	1	0	GR01	8	0	MM
610	33427850	20JAN1985	CS01	HHH	3342.51	7850.35	0.00	0.00	1	0	GR01	8	0	MM
611	33417851	20JAN1985	CS01	I	3341.68	7851.32	0.00	0.00	1	0	GR01	8	0	MM
612	33417851	20JAN1985	CS01	I	3341.68	7851.32	0.00	0.00	1	0	GR01	8	0	MM
613	33407853	20JAN1985	CS01	I2I	3340.17	7853.24	0.00	0.00	1	0	GR01	8	0	MM
614	33407853	20JAN1985	CS01	I2I	3340.17	7853.24	0.00	0.00	1	0	GR01	8	0	MM
615	33417851	20JAN1985	CS01	I3I	3341.59	7851.40	0.00	0.00	1	0	GR01	7	0	MM
616	33417851	20JAN1985	CS01	I3I	3341.59	7851.40	0.00	0.00	1	0	GR01	7	0	MM
617	33417851	20JAN1985	CS01	J	3341.68	7851.00	0.00	0.00	1	0	GR01	9	0	MM
618	33417851	20JAN1985	CS01	J	3341.68	7851.00	0.00	0.00	1	0	GR01	9	0	MM
619	33417852	20JAN1985	CS01	JJ	3341.33	7852.18	0.00	0.00	1	0	GR01	6	0	MM
620	33417852	20JAN1985	CS01	JJ	3341.33	7852.18	0.00	0.00	1	0	GR01	6	0	MM
621	33417851	20JAN1985	CS01	K	3341.54	7851.12	0.00	0.00	1	0	GR01	9	0	MM
622	33417851	20JAN1985	CS01	K	3341.54	7851.12	0.00	0.00	1	0	GR01	9	0	MM
623	33437849	20JAN1985	CS01	KKK	3343.02	7849.60	0.00	0.00	1	0	GR01	8	0	MM
624	33437850	20JAN1985	CS01	KKK	3343.02	7850.23	0.00	0.00	1	0	GR01	8	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
601		87.2	11.05	0.00	3.5	2.57	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
602		87.2	11.06	0.00	3.5	1.95	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
603		70.6	15.26	0.00	9.0	1.96	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
604		78.6	17.10	0.00	9.7	3.01	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
605		87.6	11.91	0.00	0.0	1.86	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
606		89.5	10.31	0.00	0.0	2.78	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
607		89.9	10.11	0.00	0.0	2.82	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
608		89.9	10.11	0.00	0.0	1.83	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
609		73.6	14.80	0.00	19.5	1.91	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
610		73.6	14.81	0.00	19.5	2.60	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
611		88.5	11.59	0.00	0.0	1.80	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
612		88.5	11.59	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
613		69.6	25.75	0.00	27.6	2.29	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
614		69.6	25.75	0.00	27.6	2.13	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
615		87.8	11.10	0.00	15.5	2.59	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
616		73.4	9.51	0.00	15.5	2.18	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
617		71.8	9.75	0.00	16.5	2.21	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
618		72.8	9.60	0.00	16.5	2.16	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
619		70.1	18.34	0.00	27.5	2.11	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
620		67.6	21.35	0.00	26.8	2.48	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
621		80.9	9.29	0.00	29.9	2.01	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
622		80.9	9.29	0.00	29.9	2.41	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
623		77.4	12.54	0.00	22.5	2.40	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
624		77.4	12.55	0.00	22.5	2.03	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
625	33417851	20JAN1985	CS01	L	3341.54	7851.22	0.00	0.00	1	0	GR01	8	0	MM
626	33417851	20JAN1985	CS01	L	3341.54	7851.22	0.00	0.00	1	0	GR01	8	0	MM
627	33397853	20JAN1985	CS01	L2L	3339.58	7853.48	0.00	0.00	1	0	GR01	8	0	MM
628	33397853	20JAN1985	CS01	L2L	3339.59	7853.48	0.00	0.00	1	0	GR01	8	0	MM
629	33427851	20JAN1985	CS01	L3L	3342.08	7851.06	0.00	0.00	1	0	GR01	8	0	MM
630	33427851	20JAN1985	CS01	L3L	3342.08	7851.06	0.00	0.00	1	0	GR01	8	0	MM
631	33427851	20JAN1985	CS01	M3M	3342.29	7851.17	0.00	0.00	1	0	GR01	7	0	MM
632	33427851	20JAN1985	CS01	M3M	3342.29	7851.17	0.00	0.00	1	0	GR01	7	0	MM
633	33417851	20JAN1985	CS01	N	3341.35	7851.33	0.00	0.00	1	0	GR01	9	0	MM
634	33417851	20JAN1985	CS01	N	3341.35	7851.33	0.00	0.00	1	0	GR01	9	0	MM
635	33437850	20JAN1985	CS01	NNN	3343.11	7850.11	0.00	0.00	1	0	GR01	8	0	MM
636	33437850	20JAN1985	CS01	NNN	3343.11	7850.11	0.00	0.00	1	0	GR01	8	0	MM
637	33427851	20JAN1985	CS01	O3O	3342.39	7851.05	0.00	0.00	1	0	GR01	7	0	MM
638	33427851	20JAN1985	CS01	O3O	3342.39	7851.06	0.00	0.00	1	0	GR01	7	0	MM
639	33437849	20JAN1985	CS01	OOO	3343.11	7849.59	0.00	0.00	1	0	GR01	9	0	MM
640	33437849	20JAN1985	CS01	OOO	3343.11	7849.59	0.00	0.00	1	0	GR01	9	0	MM
641	33427850	20JAN1985	CS01	P3P	3342.27	7850.42	0.00	0.00	1	0	GR01	8	0	MM
642	33427850	20JAN1985	CS01	P3P	3342.27	7850.42	0.00	0.00	1	0	GR01	8	0	MM
643	33437850	20JAN1985	CS01	PPP	3343.22	7850.12	0.00	0.00	1	0	GR01	7	0	MM
644	33437850	20JAN1985	CS01	PPP	3343.22	7850.12	0.00	0.00	1	0	GR01	7	0	MM
645	33427850	20JAN1985	CS01	Q3Q	3342.47	7850.50	0.00	0.00	1	0	GR01	7	0	MM
646	33427850	20JAN1985	CS01	Q3Q	3342.47	7850.50	0.00	0.00	1	0	GR01	7	0	MM
647	33417852	20JAN1985	CS01	QQ	3341.15	7852.23	0.00	0.00	1	0	GR01	7	0	MM
648	33417852	20JAN1985	CS01	QQ	3341.15	7852.23	0.00	0.00	1	0	GR01	7	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
625		87.1	8.48	0.00	35.6	1.91	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
626		87.1	8.48	0.00	35.6	2.67	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
627		62.3	36.67	0.00	36.1	2.45	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
628		60.5	35.50	0.00	36.1	2.03	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
629		86.1	9.77	0.00	9.5	2.65	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
630		86.1	9.79	0.00	9.5	1.91	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
631		88.5	11.06	0.00	0.7	2.77	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
632		88.5	11.06	0.00	0.3	1.85	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
633		85.5	11.47	0.00	6.8	2.58	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
634		85.5	11.48	0.00	6.8	1.95	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
635		92.9	2.62	0.00	3.6	1.73	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
636		92.9	2.62	0.00	3.6	2.42	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
637		89.6	9.92	0.00	6.9	2.84	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
638		89.6	10.34	0.00	6.9	1.78	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
639		47.8	14.34	0.00	42.5	2.13	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
640		47.8	14.34	0.00	42.5	2.29	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
641		88.1	13.49	0.00	49.8	2.63	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
642		83.0	12.54	0.00	49.8	1.87	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
643		79.7	20.33	0.00	0.0	1.66	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
644		79.7	40.65	0.00	0.0	3.13	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
645		87.5	9.34	0.00	2.3	1.88	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
646		87.5	9.34	0.00	2.3	2.66	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
647		83.1	13.78	0.00	36.1	2.68	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
648		83.1	13.78	0.00	36.1	1.89	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
649	33417851	20JAN1985	CS01	R	3341.48	7851.12	0.00	0.00	1	0	GR01	8	0	NN
650	33417851	20JAN1985	CS01	R	3341.48	7851.12	0.00	0.00	1	0	GR01	8	0	NN
651	33427850	20JAN1985	CS01	R3R	3342.47	7850.50	0.00	0.00	1	0	GR01	8	0	NN
652	33427851	20JAN1985	CS01	R3R	3342.19	7851.06	0.00	0.00	1	0	GR01	8	0	NN
653	33417851	20JAN1985	CS01	S	3341.35	7851.21	0.00	0.00	1	0	GR01	8	0	NN
654	33417851	20JAN1985	CS01	S	3341.35	7851.21	0.00	0.00	1	0	GR01	8	0	NN
655	33417851	20JAN1985	CS01	SS	3341.45	7851.50	0.00	0.00	1	0	GR01	7	0	NN
656	33417851	20JAN1985	CS01	SS	3341.45	7851.50	0.00	0.00	1	0	GR01	7	0	NN
657	33427850	20JAN1985	CS01	TT	3342.32	7850.58	0.00	0.00	1	0	GR01	7	0	NN
658	33427850	20JAN1985	CS01	TT	3342.32	7850.58	0.00	0.00	1	0	GR01	7	0	NN
659	33407851	20JAN1985	CS01	U2U	3340.26	7851.47	0.00	0.00	1	0	GR01	9	0	NN
660	33407851	20JAN1985	CS01	U2U	3340.26	7851.47	0.00	0.00	1	0	GR01	9	0	NN
661	33427850	20JAN1985	CS01	UU	3342.34	7850.48	0.00	0.00	1	0	GR01	8	0	NN
662	33427850	20JAN1985	CS01	UU	3342.34	7850.48	0.00	0.00	1	0	GR01	8	0	NN
663	33407851	20JAN1985	CS01	V2V	3340.44	7851.47	0.00	0.00	1	0	GR01	8	0	NN
664	33407852	20JAN1985	CS01	V3V	3340.57	7852.57	0.00	0.00	1	0	GR01	9	0	NN
665	33407852	20JAN1985	CS01	V3V	3340.57	7852.57	0.00	0.00	1	0	GR01	9	0	NN
666	33427850	20JAN1985	CS01	VV	3342.41	7850.57	0.00	0.00	1	0	GR01	7	0	NN
667	33427850	20JAN1985	CS01	VV	3342.41	7850.57	0.00	0.00	1	0	GR01	7	0	NN
668	33417851	20JAN1985	CS01	X2X	3341.09	7851.18	0.00	0.00	1	0	GR01	9	0	NN
669	33417851	20JAN1985	CS01	X2X	3341.09	7851.18	0.00	0.00	1	0	GR01	9	0	NN
670	33427850	20JAN1985	CS01	XX	3342.43	7850.47	0.00	0.00	1	0	GR01	7	0	NN
671	33427850	20JAN1985	CS01	XX	3342.43	7850.47	0.00	0.00	1	0	GR01	7	0	NN
672	33427851	20JAN1985	CS01	Y	3342.13	7851.24	0.00	0.00	1	0	GR01	7	0	NN

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
649		73.1	13.10	0.00	14.2	1.91	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
650		73.1	13.10	0.00	13.9	2.62	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
651		87.3	9.48	0.00	5.1	1.94	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
652		87.3	9.48	0.00	4.8	2.59	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
653		52.3	9.31	0.00	31.9	1.70	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
654		52.3	9.31	0.00	31.9	2.56	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
655		66.0	13.81	0.00	27.4	2.32	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
656		66.0	13.82	0.00	27.4	2.10	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
657		88.9	9.52	0.00	23.0	1.88	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
658		88.8	9.52	0.00	23.0	2.66	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
659		83.9	1.39	0.00	6.0	2.24	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
660		83.9	1.39	0.00	6.0	2.12	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
661		81.0	14.05	0.00	4.3	1.79	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
662		81.0	14.05	0.00	12.0	2.90	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
663		84.2	11.62	0.00	7.8	1.89	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
664		79.9	13.89	0.00	12.9	2.63	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
665		79.9	13.89	0.00	12.9	1.92	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
666		86.4	11.82	0.00	12.5	1.91	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
667		86.3	11.82	0.00	12.5	2.78	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
668		80.5	9.05	0.00	19.5	2.04	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
669		80.5	16.84	0.00	19.4	2.40	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
670		83.1	12.89	0.00	44.6	1.86	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
671		83.1	12.89	0.00	44.6	2.69	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
672		90.5	9.05	0.00	24.1	2.44	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
673	33427851	20JAN1985	CS01	Y	3342.13	7851.24	0.00	0.00	1	0	GR01	7	0	MM
674	33427850	20JAN1985	CS01	YY	3342.35	7850.35	0.00	0.00	1	0	GR01	8	0	MM
675	33427850	20JAN1985	CS01	YY	3342.35	7850.35	0.00	0.00	1	0	GR01	8	0	MM
676	33417851	20JAN1985	CS01	Z	3341.68	7851.18	0.00	0.00	1	0	GR01	8	0	MM
677	33417851	20JAN1985	CS01	Z	3341.68	7851.18	0.00	0.00	1	0	GR01	8	0	MM
678	33427850	20JAN1985	CS01	ZZ	3342.23	7850.47	0.00	0.00	1	0	GR01	9	0	MM
679	33427850	20JAN1985	CS01	ZZ	3342.24	7850.47	0.00	0.00	1	0	GR01	9	0	MM
680	32298017	11JUN1990	CS02	ED-1	3229.68	8017.25	0.00	0.00	1	0	GR01	5	0	MM
681	32218023	11JUN1990	CS02	ED-2	3221.22	8023.89	0.00	0.00	1	0	GR01	6	0	MM
682	32288019	11JUN1990	CS02	ED-3	3228.24	8019.51	0.00	0.00	1	0	GR01	4	0	MM
683	32288019	12JUN1990	CS02	ED-4	3228.06	8019.56	0.00	0.00	1	0	GR01	5	0	MM
684	32288019	12JUN1990	CS02	ED-5	3228.18	8019.40	0.00	0.00	1	0	GR01	3	0	MM
685	32218024	13AUG1990	CS02	H7	3221.88	8024.45	0.00	0.00	1	0	GR01	5	0	MM
686	32228024	12AUG1990	CS03	H1	3222.35	8024.34	0.00	0.00	1	0	GR01	4	0	MM
687	32218024	13AUG1990	CS03	H10	3221.66	8024.51	0.00	0.00	1	0	GR01	3	0	MM
688	32218024	14AUG1990	CS03	H11	3221.61	8024.31	0.00	0.00	1	0	GR01	3	0	MM
689	32218024	14AUG1990	CS03	H13	3221.44	8024.49	0.00	0.00	1	0	GR01	5	0	MM
690	32228024	14AUG1990	CS03	H15	3222.66	8024.34	0.00	0.00	1	0	GR01	3	0	MM
691	32228023	15AUG1990	CS03	H17	3222.46	8023.76	0.00	0.00	1	0	GR01	3	0	MM
692	32228023	15AUG1990	CS03	H18	3222.26	8023.86	0.00	0.00	1	0	GR01	5	0	MM
693	32218024	15AUG1990	CS03	H19	3221.99	8024.00	0.00	0.00	1	0	GR01	2	0	MM
694	32228024	12AUG1990	CS03	H2	3222.30	8024.41	0.00	0.00	1	0	GR01	4	0	MM
695	32218024	15AUG1990	CS03	H20	3221.78	8024.09	0.00	0.00	1	0	GR01	3	0	MM
696	32218024	15AUG1990	CS03	H21	3221.57	8024.17	0.00	0.00	1	0	GR01	2	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
673		89.6	8.96	0.00	24.1	1.93	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
674		85.9	10.00	0.00	45.5	1.88	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
675		85.2	9.96	0.00	45.5	2.74	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
676		89.2	9.57	0.00	60.8	2.43	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
677		89.2	9.47	0.00	5.1	1.85	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
678		68.2	8.55	0.00	5.8	1.86	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
679		90.2	8.57	0.00	40.3	2.74	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
680		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
681		0.0	0.00	0.00	47.0	2.45	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
682		0.0	0.00	0.00	0.0	1.37	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
683		0.0	0.00	0.00	0.0	1.23	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
684		0.0	0.00	0.00	0.0	0.97	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
685		91.6	7.50	0.00	0.0	2.44	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
686		90.3	6.80	0.00	0.0	2.51	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
687		91.3	5.50	0.00	0.0	2.42	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
688		92.3	6.20	0.00	0.0	2.33	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
689		94.9	3.70	0.00	0.0	2.42	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
690		91.4	5.50	0.00	0.0	2.45	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
691		88.7	8.20	0.00	0.0	2.52	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
692		83.6	8.90	0.00	0.0	2.30	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
693		89.7	5.60	0.00	0.0	1.86	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
694		88.5	10.00	0.00	0.0	2.66	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
695		91.6	4.40	0.00	0.0	2.13	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
696		93.0	2.30	0.00	0.0	2.20	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
697	32228023	16AUG1990	CS03	H23	3222.80	8023.93	0.00	0.00	1	0	GR01	4	0	MM
698	32228023	16AUG1990	CS03	H24	3222.96	8023.56	0.00	0.00	1	0	GR01	4	0	MM
699	32218024	16AUG1990	CS03	H25	3221.06	8024.67	0.00	0.00	1	0	GR01	3	0	MM
700	32228024	12AUG1990	CS03	H3	3222.15	8024.51	0.00	0.00	1	0	GR01	3	0	MM
701	32218024	15AUG1990	CS03	H31	3221.25	8024.34	0.00	0.00	1	0	GR01	2	0	MM
702	32218023	16AUG1990	CS03	H34	3221.91	8023.64	0.00	0.00	1	0	GR01	4	0	MM
703	32218023	16AUG1990	CS03	H35	3221.44	8023.78	0.00	0.00	1	0	GR01	4	0	MM
704	32218023	17AUG1990	CS03	H39	3221.87	8023.92	0.00	0.00	1	0	GR01	3	0	MM
705	32228024	12AUG1990	CS03	H4	3222.12	8024.35	0.00	0.00	1	0	GR01	4	0	MM
706	32218024	17AUG1990	CS03	H42	3221.74	8024.26	0.00	0.00	1	0	GR01	3	0	MM
707	32218024	17AUG1990	CS03	H43	3221.60	8024.13	0.00	0.00	1	0	GR01	3	0	MM
708	32218024	18AUG1990	CS03	H46	3221.47	8024.00	0.00	0.00	1	0	GR01	4	0	MM
709	32218024	18AUG1990	CS03	H47	3221.52	8024.67	0.00	0.00	1	0	GR01	3	0	MM
710	32228024	12AUG1990	CS03	H5	3222.05	8024.17	0.00	0.00	1	0	GR01	4	0	MM
711	32218024	13AUG1990	CS03	H6	3221.81	8024.27	0.00	0.00	1	0	GR01	4	0	MM
712	32228024	13AUG1990	CS03	H8	3222.04	8024.56	0.00	0.00	1	0	GR01	4	0	MM
713	32218024	13AUG1990	CS03	H9	3221.77	8024.71	0.00	0.00	1	0	GR01	3	0	MM
714	32218024	14AUG1990	CS04	H14	3221.37	8024.84	0.00	0.00	1	0	GR01	2	0	MM
715	32298017	13JUN1990	CS04	HI-1	3229.84	8017.51	0.00	0.00	1	0	GR01	4	0	MM
716	32198026	14JUN1990	CS04	HI-10	3219.42	8026.32	0.00	0.00	1	0	GR01	5	0	MM
717	32238026	13JUN1990	CS04	HI-2	3223.52	8026.39	0.00	0.00	1	0	GR01	3	0	MM
718	32228024	13JUN1990	CS04	HI-4	3222.30	8024.04	0.00	0.00	1	0	GR01	5	0	MM
719	32208026	13JUN1990	CS04	HI-5	3220.73	8026.02	0.00	0.00	1	0	GR01	5	0	MM
720	32208026	13JUN1990	CS04	HI-6	3220.25	8026.32	0.00	0.00	1	0	GR01	4	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
697		92.4	6.90	0.00	0.0	2.46	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
698		88.4	8.90	0.00	0.0	2.73	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
699		95.0	3.90	0.00	0.0	2.52	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
700		86.3	12.10	0.00	0.0	2.63	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
701		94.3	2.30	0.00	0.0	2.36	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
702		73.2	16.60	0.00	0.0	2.59	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
703		82.2	12.30	0.00	0.0	2.56	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
704		86.9	6.70	0.00	0.0	2.34	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
705		90.7	7.50	0.00	0.0	2.09	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
706		91.7	7.10	0.00	0.0	2.47	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
707		90.1	5.20	0.00	0.0	2.27	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
708		85.5	4.90	0.00	0.0	2.25	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
709		93.6	5.00	0.00	0.0	2.52	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
710		92.0	4.60	0.00	0.0	2.19	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
711		93.2	4.80	0.00	0.0	2.31	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
712		90.7	8.70	0.00	0.0	2.60	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
713		91.0	8.00	0.00	0.0	2.56	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
714		92.9	4.90	0.00	0.0	2.62	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
715		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
716		95.3	5.00	0.00	0.0	2.52	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
717		79.8	20.00	0.00	0.0	2.44	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
718		68.5	31.00	0.00	0.0	2.50	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
719		0.0	0.00	0.00	0.0	2.48	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
720		0.0	0.00	0.00	0.0	2.49	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
721	32238024	14JUN1990	CS04	HI-7	3223.37	8024.66	0.00	0.00	1	0	GR01	2	0	NH
722	32208025	14JUN1990	CS04	HI-8	3220.71	8025.11	0.00	0.00	1	0	GR01	4	0	NH
723	32198026	14JUN1990	CS04	HI-9	3219.22	8026.27	0.00	0.00	1	0	GR01	4	0	NH
724	32288019	01APR1991	CS05	E1	3228.39	8019.89	0.00	0.00	1	0	GR01	2	0	NH
725	32288019	17APR1991	CS05	E10	3228.25	8019.32	0.00	0.00	1	0	GR01	3	0	NH
726	32288019	01APR1991	CS05	E11	3228.38	8019.12	0.00	0.00	1	0	GR01	5	0	NH
727	32288019	10APR1991	CS05	E12	3228.17	8019.13	0.00	0.00	1	0	GR01	2	0	NH
728	32288019	01APR1991	CS05	E14	3228.10	8019.62	0.00	0.00	1	0	GR01	3	0	NH
729	32288019	10APR1991	CS05	E17	3228.13	8019.03	0.00	0.00	1	0	GR01	2	0	NH
730	32288018	08APR1991	CS05	E18	3228.13	8018.87	0.00	0.00	1	0	GR01	3	0	NH
731	32288019	17APR1991	CS05	E2	3228.26	8019.47	0.00	0.00	1	0	GR01	3	0	NH
732	32298017	09APR1991	CS05	E20	3229.28	8017.08	0.00	0.00	1	0	GR01	7	0	NH
733	32298016	10APR1991	CS05	E21	3229.04	8016.81	0.00	0.00	1	0	GR01	7	0	NH
734	32288018	09APR1991	CS05	E23	3228.55	8018.76	0.00	0.00	1	0	GR01	4	0	NH
735	32288018	10APR1991	CS05	E24	3228.25	8018.65	0.00	0.00	1	0	GR01	5	0	NH
736	32288018	09APR1991	CS05	E25	3228.98	8018.68	0.00	0.00	1	0	GR01	5	0	NH
737	32288018	09APR1991	CS05	E27	3228.42	8018.20	0.00	0.00	1	0	GR01	5	0	NH
738	32288019	14APR1991	CS05	E28	3228.03	8019.66	0.00	0.00	1	0	GR01	6	0	NH
739	32298016	14APR1991	CS05	E29	3229.36	8016.74	0.00	0.00	1	0	GR01	6	0	NH
740	32288019	13JUN1991	CS05	E2A	3228.17	8019.56	0.00	0.00	1	0	GR01	1	0	NH
741	32288019	10APR1991	CS05	E3	3228.56	8019.37	0.00	0.00	1	0	GR01	5	0	NH
742	32298016	14APR1991	CS05	E30	3229.21	8016.98	0.00	0.00	1	0	GR01	6	0	NH
743	32298017	01APR1991	CS05	E31	3229.19	8017.28	0.00	0.00	1	0	GR01	5	0	NH
744	32298017	14APR1991	CS05	E32	3229.35	8017.11	0.00	0.00	1	0	GR01	5	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
721		0.0	0.00	0.00	0.0	2.45	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
722		0.0	0.00	0.00	0.0	2.22	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
723		94.3	6.00	0.00	0.0	2.42	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
724		79.4	0.10	0.00	0.0	0.42	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
725		95.0	0.20	0.00	0.0	1.80	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
726		85.2	0.30	0.00	0.0	1.51	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
727		97.0	0.20	0.00	0.0	1.87	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
728		81.7	0.09	0.00	0.0	0.49	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
729		98.7	0.10	0.00	0.0	2.15	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
730		95.8	0.39	0.00	0.0	1.49	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
731		86.8	1.80	0.00	0.0	2.05	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
732		87.8	2.00	0.00	0.0	1.82	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
733		85.7	5.07	0.00	0.0	2.18	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
734		93.9	0.10	0.00	0.0	1.93	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
735		75.3	0.40	0.00	0.0	1.21	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
736		80.1	0.30	0.00	0.0	1.80	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
737		87.0	0.80	0.00	0.0	1.63	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
738		71.9	1.35	0.00	0.0	1.76	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
739		91.7	0.82	0.00	0.0	2.11	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
740		90.0	0.10	0.00	0.0	0.92	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
741		92.1	1.77	0.00	0.0	2.35	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
742		77.9	0.77	0.00	0.0	0.98	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
743		80.3	1.95	0.00	0.0	2.02	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
744		88.0	2.15	0.00	0.0	2.26	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EM	BOTTOMTY
745	32288019	01APR1991	CS05	E33	3228.11	8019.62	0.00	0.00	1	0	GR01	4	0	NH
746	32288019	01APR1991	CS05	E34	3228.32	8019.63	0.00	0.00	1	0	GR01	3	0	NH
747	32298016	17APR1991	CS05	E35	3229.28	8016.91	0.00	0.00	1	0	GR01	6	0	NH
748	32298016	16APR1991	CS05	E36	3229.24	8016.95	0.00	0.00	1	0	GR01	7	0	NH
749	32298017	16APR1991	CS05	E37	3229.18	8017.11	0.00	0.00	1	0	GR01	6	0	NH
750	32298017	16APR1991	CS05	E38	3229.09	8017.20	0.00	0.00	1	0	GR01	7	0	NH
751	32288019	17APR1991	CS05	E4	3228.70	8019.42	0.00	0.00	1	0	GR01	5	0	NH
752	32288019	01APR1991	CS05	E41(ND)	3228.30	8019.68	0.00	0.00	1	0	GR01	4	0	NH
753	32288019	16APR1991	CS05	E5	3228.32	8019.25	0.00	0.00	1	0	GR01	2	0	NH
754	32288019	09APR1991	CS05	E6	3228.42	8019.37	0.00	0.00	1	0	GR01	2	0	NH
755	32298019	16APR1991	CS05	E7	3229.22	8019.65	0.00	0.00	1	0	GR01	2	0	NH
756	32288019	01APR1991	CS05	E8A	3228.18	8019.57	0.00	0.00	1	0	GR01	2	0	NH
757	32288019	11APR1991	CS05	E9	3228.08	8019.48	0.00	0.00	1	0	GR01	2	0	NH
758	33217857	.	DU01	1087	3321.40	7857.30	0.00	0.00	0	0	DR02	31	0	
759	33257853	.	DU01	1088	3325.30	7853.60	0.00	0.00	0	0	DR02	31	0	
760	33297849	.	DU01	1089	3329.00	7849.20	0.00	0.00	0	0	DR02	31	0	
761	32417943	.	DU01	157	3241.00	7943.50	0.00	0.00	0	0	DR02	11	0	
762	33157902	.	DU01	961	3315.00	7902.50	0.00	0.00	0	0	DR02	12	0	
763	33127904	.	DU01	962	3312.20	7904.50	0.00	0.00	0	0	DR02	12	0	
764	33107903	.	DU01	963	3311.40	7903.60	0.00	0.00	0	0	DR02	16	0	
765	33117903	.	DU01	963	3311.40	7903.60	0.00	0.00	0	0	DR02	16	0	
766	33107902	.	DU01	964	3310.60	7902.70	0.00	0.00	0	0	DR02	13	0	
767	33107901	.	DU01	965	3310.00	7901.80	0.00	0.00	0	0	DR02	18	0	
768	33097901	.	DU01	966	3309.10	7901.00	0.00	0.00	0	0	DR02	18	0	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
745		84.3	0.19	0.00	0.0	0.63	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
746		85.0	0.18	0.00	0.0	0.68	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
747		91.4	5.17	0.00	0.0	2.39	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
748		90.5	1.67	0.00	0.0	1.91	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
749		77.3	2.76	0.00	0.0	1.63	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
750		75.6	2.31	0.00	0.0	1.30	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
751		96.4	1.31	0.00	0.0	2.39	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
752		74.2	0.33	0.00	0.0	0.84	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
753		93.2	0.71	0.00	0.0	1.23	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
754		94.3	0.00	0.00	0.0	1.18	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
755		89.7	0.10	0.00	0.0	1.34	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
756		93.3	0.00	0.00	0.0	0.57	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
757		96.9	0.00	0.00	0.0	1.10	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
758		0.0	0.00	0.00	7.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
759		0.0	0.00	0.00	12.0	0.60	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
760		0.0	0.00	0.00	3.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
761		0.0	0.00	0.00	22.0	2.13	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
762		0.0	0.00	0.00	4.0	0.44	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
763		0.0	0.00	0.00	2.0	0.49	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
764		0.0	0.00	0.00	15.0	1.20	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
765		0.0	0.00	0.00	15.0	1.20	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
766		0.0	0.00	0.00	44.0	1.33	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
767		0.0	0.00	0.00	5.0	0.39	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
768		0.0	0.00	0.00	4.0	0.89	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
769	33367943	01JAN1990	EP01		3236.60	7943.74	3236.68	7943.98	1	1	CC02	0	0	MM
770	33367943	01JAN1990	EP01		3236.68	7943.98	3236.84	7944.28	1	1	CC02	0	0	MM
771	33367943	01JAN1990	EP01		3236.72	7943.44	3236.90	7943.80	1	1	CC02	0	0	MM
772	33367943	01JAN1990	EP01		3236.90	7943.98	3236.72	7943.68	1	1	CC02	0	0	MM
773	33367943	01JAN1990	EP01		3236.84	7943.32	3237.02	7943.62	1	1	CC02	0	0	MM
774	33377942	01JAN1990	EP01		3237.98	7942.42	3238.26	7943.02	1	1	CC02	0	0	MM
775	33377942	01JAN1990	EP01		3237.98	7942.18	3238.22	7942.66	1	1	CC02	0	0	MM
776	33377942	01JAN1990	EP01		3237.38	7942.84	3237.50	7943.02	1	1	CC02	0	0	MM
777	33377942	01JAN1990	EP01		3237.86	7942.24	3237.98	7942.42	1	1	CC02	0	0	MM
778	33377942	01JAN1990	EP01		3237.26	7942.84	3237.32	7943.02	1	1	CC02	0	0	MM
779	33377943	01JAN1990	EP01		3237.56	7943.86	3237.14	7943.08	1	1	CC02	0	0	MM
780	33377943	01JAN1990	EP01		3237.20	7943.98	3237.56	7944.64	1	1	CC02	0	0	MM
781	33377943	01JAN1990	EP01		3237.32	7943.02	3237.78	7943.98	1	1	CC02	0	0	MM
782	33377943	01JAN1990	EP01		3237.02	7943.62	3237.20	7943.98	1	1	CC02	0	0	MM
783	33377943	01JAN1990	EP01		3237.98	7943.74	3237.66	7943.02	1	1	CC02	0	0	MM
784	33377943	01JAN1990	EP01		3237.84	7943.02	3237.68	7942.78	1	1	CC02	0	0	MM
785	33377943	01JAN1990	EP01		3237.98	7943.26	3237.84	7943.02	1	1	CC02	0	0	MM
786	33377943	01JAN1990	EP01		3237.50	7943.02	3237.94	7943.98	1	1	CC02	0	0	MM
787	33377943	01JAN1990	EP01		3237.78	7943.98	3237.98	7944.40	1	1	CC02	0	0	MM
788	33377943	01JAN1990	EP01		3237.66	7943.02	3237.50	7942.72	1	1	CC02	0	0	MM
789	33377943	01JAN1990	EP01		3237.94	7943.98	3237.98	7944.04	1	1	CC02	0	0	MM
790	33377944	01JAN1990	EP01		3237.98	7944.40	3238.04	7944.58	1	1	CC02	0	0	MM
791	33377944	01JAN1990	EP01		3237.38	7944.64	3237.50	7945.00	1	1	CC02	0	0	MM
792	33377944	01JAN1990	EP01		3237.98	7944.04	3238.34	7944.70	1	1	CC02	0	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
769		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
770		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
771		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
772		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
773		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
774		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
775		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
776		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
777		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
778		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
779		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
780		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
781		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
782		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
783		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
784		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
785		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
786		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
787		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
788		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
789		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
790		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
791		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
792		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
793	33377944	01JAN1990	EP01		3237.98	7944.79	3237.92	7944.70	1	1	CC02	0	0	MM
794	33377944	01JAN1990	EP01		3237.02	7944.13	3236.90	7943.98	1	1	CC02	0	0	MM
795	33377945	01JAN1990	EP01		3237.44	7945.12	3237.36	7945.00	1	1	CC02	0	0	MB
796	33377945	01JAN1990	EP01		3237.36	7945.00	3237.02	7944.13	1	1	CC02	0	0	MB
797	33377945	01JAN1990	EP01		3237.50	7945.00	3237.98	7945.93	1	1	CC02	0	0	MM
798	33377945	01JAN1990	EP01		3237.98	7945.93	3238.04	7946.02	1	1	CC02	0	0	MM
799	33377945	01JAN1990	EP01		3237.74	7945.00	3237.80	7945.18	1	1	CC02	0	0	MM
800	33377945	01JAN1990	EP01		3237.02	7945.00	3236.66	7944.28	1	1	CC02	0	0	MB
801	33377945	01JAN1990	EP01		3237.98	7945.36	3238.32	7946.02	1	1	CC02	0	0	MB
802	33377945	01JAN1990	EP01		3237.98	7945.48	3237.86	7945.00	1	1	CC02	0	0	MM
803	33377945	01JAN1990	EP01		3237.44	7945.84	3237.02	7945.00	1	1	CC02	0	0	MB
804	33377945	01JAN1990	EP01		3237.98	7945.18	3237.98	7945.36	1	1	CC02	0	0	MM
805	33377946	01JAN1990	EP01		3237.98	7946.08	3237.92	7946.02	1	1	CC02	0	0	MM
806	33377946	01JAN1990	EP01		3237.92	7946.02	3237.62	7945.42	1	1	CC02	0	0	MM
807	33377946	01JAN1990	EP01		3237.96	7946.98	3237.62	7946.20	1	1	CC02	0	0	MM
808	33377947	01JAN1990	EP01		3237.98	7947.04	3237.96	7946.98	1	1	CC02	0	0	MM
809	33387942	01JAN1990	EP01		3238.46	7942.36	3239.00	7942.86	1	1	CC02	0	0	MM
810	33387942	01JAN1990	EP01		3238.34	7942.66	3238.16	7942.18	1	1	CC02	0	0	MM
811	33387943	01JAN1990	EP01		3238.34	7943.98	3237.98	7943.26	1	1	CC02	0	0	MM
812	33387943	01JAN1990	EP01		3238.12	7943.98	3237.98	7943.74	1	1	CC02	0	0	MM
813	33387943	01JAN1990	EP01		3238.86	7943.98	3238.52	7943.32	1	1	CC02	0	0	MM
814	33387943	01JAN1990	EP01		3238.67	7943.98	3238.40	7943.38	1	1	CC02	0	0	MM
815	33387943	01JAN1990	EP01		3238.70	7943.32	3239.00	7943.86	1	1	CC02	0	0	MM
816	33387943	01JAN1990	EP01		3238.26	7943.02	3238.28	7943.08	1	1	CC02	0	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
793		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
794		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
795		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
796		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
797		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
798		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
799		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
800		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
801		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
802		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
803		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
804		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
805		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
806		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
807		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
808		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
809		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
810		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
811		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
812		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
813		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
814		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
815		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
816		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
817	33387943	01JAN1990	EP01		3238.22	7943.44	3238.34	7943.56	1	1	CC02	
818	33387944	01JAN1990	EP01		3238.46	7944.58	3238.12	7943.98	1	1	CC02	
819	33387944	01JAN1990	EP01		3238.52	7944.46	3238.34	7943.98	1	1	CC02	
820	33387944	01JAN1990	EP01		3238.28	7944.94	3238.30	7945.00	1	1	CC02	
821	33387944	01JAN1990	EP01		3238.58	7944.70	3238.68	7945.00	1	1	CC02	
822	33387944	01JAN1990	EP01		3238.94	7944.22	3238.86	7943.98	1	1	CC02	
823	33387944	01JAN1990	EP01		3238.58	7944.10	3238.70	7944.34	1	1	CC02	
824	33387944	01JAN1990	EP01		3238.88	7944.22	3238.67	7943.98	1	1	CC02	
825	33387945	01JAN1990	EP01		3238.30	7945.00	3238.52	7945.60	1	1	CC02	
826	33387945	01JAN1990	EP01		3238.96	7945.00	3238.82	7944.58	1	1	CC02	
827	33387945	01JAN1990	EP01		3238.16	7945.06	3238.28	7945.36	1	1	CC02	
828	33387946	01JAN1990	EP01		3238.22	7946.02	3237.98	7945.48	1	1	CC02	
829	33387946	01JAN1990	EP01		3238.16	7946.62	3237.98	7946.08	1	1	CC02	
830	33387946	01JAN1990	EP01		3238.04	7946.02	3238.22	7946.44	1	1	CC02	
831	33387946	01JAN1990	EP01		3238.22	7946.20	3238.22	7946.02	1	1	CC02	
832	33387946	01JAN1990	EP01		3238.32	7946.02	3238.52	7946.56	1	1	CC02	
833	33387947	01JAN1990	EP01		3238.46	7947.64	3238.52	7947.82	1	1	CC02	
834	33387947	01JAN1990	EP01		3238.22	7947.70	3237.98	7947.04	1	1	CC02	
835	33387948	01JAN1990	EP01		3238.82	7948.00	3238.64	7947.64	1	1	CC02	
836	33387948	01JAN1990	EP01		3238.46	7948.06	3238.42	7948.00	1	1	CC02	
837	33387948	01JAN1990	EP01		3238.42	7948.00	3238.34	7947.88	1	1	CC02	
838	33387949	01JAN1990	EP01		3238.85	7949.02	3238.76	7948.72	1	1	CC02	
839	33387949	01JAN1990	EP01		3238.94	7949.26	3238.85	7949.02	1	1	CC02	
840	33397942	01JAN1990	EP01		3239.00	7942.86	3239.06	7942.90	1	1	CC02	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
817		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
818		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
819		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
820		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
821		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
822		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
823		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
824		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
825		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
826		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
827		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
828		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
829		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
830		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
831		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
832		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
833		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
834		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
835		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
836		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
837		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
838		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
839		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
840		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
841	33397944	01JAN1990	EP01		3239.30	7944.28	3239.48	7945.00	1	1	CC02	0	0	MM
842	33397944	01JAN1990	EP01		3239.00	7944.70	3238.88	7944.40	1	1	CC02	0	0	MM
843	33397944	01JAN1990	EP01		3239.30	7944.10	3239.54	7944.64	1	1	CC02	0	0	MM
844	33397944	01JAN1990	EP01		3239.12	7944.40	3239.34	7945.00	1	1	CC02	0	0	MM
845	33397945	01JAN1990	EP01		3239.00	7945.12	3238.96	7945.00	1	1	CC02	0	0	MM
846	33397945	01JAN1990	EP01		3239.18	7945.00	3239.00	7944.70	1	1	CC02	0	0	MM
847	33397945	01JAN1990	EP01		3239.00	7945.54	3239.18	7945.90	1	1	CC02	0	0	MM
848	33397945	01JAN1990	EP01		3239.48	7945.00	3239.90	7946.02	1	1	CC02	0	0	MM
849	33397945	01JAN1990	EP01		3239.78	7945.12	3240.02	7945.66	1	1	CC02	0	0	MM
850	33397945	01JAN1990	EP01		3239.34	7945.00	3239.54	7945.60	1	1	CC02	0	0	MM
851	33397946	01JAN1990	EP01		3239.72	7946.38	3239.60	7946.02	1	1	CC02	0	0	MM
852	33397946	01JAN1990	EP01		3239.60	7946.02	3239.18	7945.00	1	1	CC02	0	0	MB
853	33397946	01JAN1990	EP01		3239.44	7946.02	3239.00	7945.12	1	1	CC02	0	0	MM
854	33397946	01JAN1990	EP01		3239.78	7946.98	3239.44	7946.02	1	1	CC02	0	0	MM
855	33397946	01JAN1990	EP01		3239.90	7946.02	3240.02	7946.32	1	1	CC02	0	0	MM
856	33397947	01JAN1990	EP01		3239.78	7947.82	3239.66	7947.46	1	1	CC02	0	0	MB
857	33397947	01JAN1990	EP01		3239.12	7947.16	3239.30	7947.64	1	1	CC02	0	0	MB
858	33397947	01JAN1990	EP01		3239.66	7947.10	3239.90	7947.76	1	1	CC02	0	0	MB
859	33397948	01JAN1990	EP01		3239.60	7948.12	3239.72	7948.00	1	1	CC02	0	0	MB
860	33397948	01JAN1990	EP01		3239.90	7948.36	3240.02	7948.32	1	1	CC02	0	0	MB
861	33397948	01JAN1990	EP01		3239.12	7948.84	3239.00	7948.30	1	1	CC02	0	0	MM
862	33397948	01JAN1990	EP01		3239.00	7948.30	3238.82	7948.00	1	1	CC02	0	0	MM
863	33407946	01JAN1990	EP01		3240.34	7946.98	3240.56	7947.34	1	1	CC02	0	0	MM
864	33407946	01JAN1990	EP01		3240.02	7946.32	3240.34	7946.98	1	1	CC02	0	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
841		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
842		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
843		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
844		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
845		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
846		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
847		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
848		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
849		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
850		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
851		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
852		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
853		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
854		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
855		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
856		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
857		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
858		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
859		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
860		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
861		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
862		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
863		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
864		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
865	33407947	01JAN1990	EP01		3240.02	7947.64	3239.78	7946.98	1	1	CC02	0	0	MB
866	33407947	01JAN1990	EP01		3240.20	7947.58	3240.02	7947.04	1	1	CC02	0	0	MM
867	33407947	01JAN1990	EP01		3240.20	7947.76	3240.38	7947.76	1	1	CC02	0	0	MM
868	33407948	01JAN1990	EP01		3240.20	7948.00	3240.02	7948.12	1	1	CC02	0	0	MB
869	33407948	01JAN1990	EP01		3240.02	7948.32	3240.26	7948.24	1	1	CC02	0	0	MB
870	33407948	01JAN1990	EP01		3240.32	7948.00	3240.20	7948.00	1	1	CC02	0	0	MM
871	33407948	01JAN1990	EP01		3240.02	7948.12	3239.54	7948.36	1	1	CC02	0	0	MB
872	32347945	01JUN1990	EP02		3234.92	7945.00	3234.92	7943.98	1	1	CC02	0	0	MM
873	32347945	01JUN1990	EP02		3234.74	7945.00	3234.80	7943.98	1	1	CC02	0	0	MM
874	32347945	01JUN1990	EP02		3234.56	7945.00	3234.56	7946.02	1	1	CC02	0	0	MM
875	32347946	01JUN1990	EP02		3234.20	7946.02	3234.14	7945.60	1	1	CC02	0	0	MM
876	32347946	01JUN1990	EP02		3234.62	7946.98	3234.56	7947.82	1	1	CC02	0	0	MM
877	32347946	01JUN1990	EP02		3234.80	7946.98	3234.92	7946.02	1	1	CC02	0	0	MM
878	32347946	01JUN1990	EP02		3234.74	7946.80	3234.74	7946.02	1	1	CC02	0	0	MM
879	32347946	01JUN1990	EP02		3234.26	7946.98	3234.20	7946.02	1	1	CC02	0	0	MM
880	32347946	01JUN1990	EP02		3234.92	7946.02	3234.92	7945.00	1	1	CC02	0	0	MM
881	32347946	01JUN1990	EP02		3234.74	7946.02	3234.74	7945.00	1	1	CC02	0	0	MM
882	32347946	01JUN1990	EP02		3234.56	7946.02	3234.62	7946.98	1	1	CC02	0	0	MM
883	32347948	01JUN1990	EP02		3234.74	7948.00	3234.74	7947.22	1	1	CC02	0	0	MM
884	32347948	01JUN1990	EP02		3234.86	7948.00	3234.80	7946.98	1	1	CC02	0	0	MM
885	32347948	01JUN1990	EP02		3234.98	7948.00	3235.28	7947.40	1	1	CC02	0	0	MB
886	32347948	01JUN1990	EP02		3234.20	7948.00	3234.26	7946.98	1	1	CC02	0	0	MB
887	32357943	01JUN1990	EP02		3235.88	7943.98	3235.88	7943.02	1	1	CC02	0	0	MM
888	32357943	01JUN1990	EP02		3235.76	7943.02	3235.76	7942.00	1	1	CC02	0	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
865		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
866		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
867		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
868		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
869		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
870		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
871		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
872		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
873		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
874		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
875		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
876		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
877		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
878		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
879		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
880		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
881		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
882		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
883		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
884		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
885		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
886		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
887		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
888		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
889	32357943	01JUN1990	EP02		3235.58	7943.02	3235.58	7942.00	1	1	CC02	0	0	MH
890	32357943	01JUN1990	EP02		3235.04	7943.02	3235.10	7943.98	1	1	CC02	0	0	HB
891	32357943	01JUN1990	EP02		3235.10	7943.98	3235.04	7945.00	1	1	CC02	0	0	MH
892	32357943	01JUN1990	EP02		3235.88	7943.02	3235.88	7942.78	1	1	CC02	0	0	MH
893	32357943	01JUN1990	EP02		3235.58	7943.98	3235.58	7943.02	1	1	CC02	0	0	MH
894	32357943	01JUN1990	EP02		3235.76	7943.98	3235.76	7943.02	1	1	CC02	0	0	MH
895	32357943	01JUN1990	EP02		3235.22	7943.20	3235.22	7943.98	1	1	CC02	0	0	MH
896	32357943	01JUN1990	EP02		3235.22	7943.98	3235.22	7945.00	1	1	CC02	0	0	MH
897	32357943	01JUN1990	EP02		3235.46	7943.02	3235.40	7943.98	1	1	CC02	0	0	MH
898	32357944	01JUN1990	EP02		3235.40	7944.40	3235.40	7945.00	1	1	CC02	0	0	HB
899	32357945	01JUN1990	EP02		3235.22	7945.00	3235.22	7946.02	1	1	CC02	0	0	MH
900	32357945	01JUN1990	EP02		3235.76	7945.00	3235.76	7943.98	1	1	CC02	0	0	MH
901	32357945	01JUN1990	EP02		3235.88	7945.00	3235.88	7943.98	1	1	CC02	0	0	MH
902	32357945	01JUN1990	EP02		3235.58	7945.00	3235.58	7943.98	1	1	CC02	0	0	MH
903	32357945	01JUN1990	EP02		3235.40	7945.00	3235.40	7946.02	1	1	CC02	0	0	HB
904	32357945	01JUN1990	EP02		3235.04	7945.00	3235.04	7946.02	1	1	CC02	0	0	MH
905	32357946	01JUN1990	EP02		3235.40	7946.02	3235.34	7946.98	1	1	CC02	0	0	MH
906	32357946	01JUN1990	EP02		3235.58	7946.02	3235.58	7945.00	1	1	CC02	0	0	MH
907	32357946	01JUN1990	EP02		3235.10	7946.98	3235.10	7948.00	1	1	CC02	0	0	HB
908	32357946	01JUN1990	EP02		3235.04	7946.02	3235.10	7946.98	1	1	CC02	0	0	MH
909	32357946	01JUN1990	EP02		3235.34	7946.98	3235.40	7948.00	1	1	CC02	0	0	HB
910	32357946	01JUN1990	EP02		3235.22	7946.98	3235.28	7948.00	1	1	CC02	0	0	HB
911	32357946	01JUN1990	EP02		3235.58	7946.98	3235.58	7946.02	1	1	CC02	0	0	MH
912	32357946	01JUN1990	EP02		3235.22	7946.02	3235.22	7946.98	1	1	CC02	0	0	MH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
889		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
890		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
891		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
892		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
893		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
894		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
895		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
896		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
897		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
898		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
899		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
900		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
901		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
902		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
903		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
904		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
905		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
906		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
907		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
908		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
909		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
910		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
911		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
912		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
JUN1990	EP02		3235.82	7946.98	3235.76	7946.02	1	1	CC02	0	0	NH
JUN1990	EP02		3235.88	7946.02	3235.88	7945.00	1	1	CC02	0	0	NH
JUN1990	EP02		3235.76	7946.02	3235.76	7945.00	1	1	CC02	0	0	NH
JUN1990	EP02		3235.82	7947.82	3235.82	7946.98	1	1	CC02	0	0	NH
JUN1990	EP02		3235.88	7948.00	3236.00	7947.58	1	1	CC02	0	0	HB
JUN1990	EP02		3235.64	7948.00	3235.58	7946.98	1	1	CC02	0	0	HB
JUN1990	EP02		3236.72	7942.00	3236.72	7943.02	1	1	CC02	0	0	HB
JUN1990	EP02		3236.93	7942.00	3236.90	7943.02	1	1	CC02	0	0	NH
JUN1990	EP02		3236.60	7942.00	3236.60	7943.02	1	1	CC02	0	0	NH
JUN1990	EP02		3236.48	7942.00	3236.42	7941.34	1	1	CC02	0	0	NH
JUN1990	EP02		3236.24	7942.00	3236.30	7943.02	1	1	CC02	0	0	HB
JUN1990	EP02		3236.09	7942.00	3236.06	7943.02	1	1	CC02	0	0	NH
JUN1990	EP02		3236.60	7943.20	3236.60	7943.20	1	1	CC02	0	0	NH
JUN1990	EP02		3236.90	7943.02	3236.90	7943.32	1	1	CC02	0	0	NH
JUN1990	EP02		3236.60	7943.20	3236.60	7943.38	1	1	CC02	0	0	NH
JUN1990	EP02		3236.60	7943.38	3236.60	7943.62	1	1	CC02	0	0	NH
JUN1990	EP02		3236.54	7943.62	3236.48	7943.38	1	1	CC02	0	0	NH
JUN1990	EP02		3236.60	7943.38	3236.60	7943.20	1	1	CC02	0	0	NH
JUN1990	EP02		3236.42	7943.02	3236.48	7942.00	1	1	CC02	0	0	NH
JUN1990	EP02		3236.60	7943.62	3236.60	7943.62	1	1	CC02	0	0	NH
JUN1990	EP02		3236.60	7943.62	3236.60	7943.38	1	1	CC02	0	0	NH
JUN1990	EP02		3236.06	7943.02	3236.06	7943.98	1	1	CC02	0	0	NH
JUN1990	EP02		3236.06	7943.98	3236.06	7945.00	1	1	CC02	0	0	NH
JUN1990	EP02		3236.72	7943.02	3236.78	7943.44	1	1	CC02	0	0	NH

D	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
JUN1990	EP02		3236.42	7943.98	3236.42	7943.02	1	1	CC02	0	0	NH
JUN1990	EP02		3236.24	7943.98	3236.24	7945.00	1	1	CC02	0	0	NH
JUN1990	EP02		3236.30	7943.02	3236.24	7943.98	1	1	CC02	0	0	NH
JUN1990	EP02		3236.54	7944.64	3236.60	7945.00	1	1	CC02	0	0	HB
JUN1990	EP02		3236.06	7945.00	3236.06	7946.02	1	1	CC02	0	0	NH
JUN1990	EP02		3236.24	7945.00	3236.24	7946.02	1	1	CC02	0	0	NH
JUN1990	EP02		3236.48	7945.00	3236.42	7943.98	1	1	CC02	0	0	NH
JUN1990	EP02		3236.72	7945.00	3236.72	7944.94	1	1	CC02	0	0	NH
JUN1990	EP02		3236.60	7945.00	3236.60	7946.02	1	1	CC02	0	0	NH
JUN1990	EP02		3236.24	7946.02	3236.24	7946.98	1	1	CC02	0	0	NH
JUN1990	EP02		3236.08	7946.98	3236.12	7948.00	1	1	CC02	0	0	NH
JUN1990	EP02		3236.06	7946.02	3236.08	7946.98	1	1	CC02	0	0	NH
JUN1990	EP02		3236.78	7946.98	3236.78	7946.02	1	1	CC02	0	0	NH
JUN1990	EP02		3236.96	7946.02	3236.96	7945.24	1	1	CC02	0	0	NH
JUN1990	EP02		3236.60	7946.98	3236.60	7948.00	1	1	CC02	0	0	HB
JUN1990	EP02		3236.48	7946.98	3236.42	7946.02	1	1	CC02	0	0	NH
JUN1990	EP02		3236.42	7946.02	3236.48	7945.00	1	1	CC02	0	0	NH
JUN1990	EP02		3236.00	7946.98	3236.00	7946.80	1	1	CC02	0	0	NH
JUN1990	EP02		3236.00	7946.80	3235.88	7946.02	1	1	CC02	0	0	NH
JUN1990	EP02		3236.90	7946.98	3236.96	7946.02	1	1	CC02	0	0	NH
JUN1990	EP02		3236.78	7946.02	3236.72	7945.00	1	1	CC02	0	0	NH
JUN1990	EP02		3236.60	7946.02	3236.60	7946.98	1	1	CC02	0	0	NH
JUN1990	EP02		3236.24	7946.98	3236.24	7947.82	1	1	CC02	0	0	HB
JUN1990	EP02		3236.00	7947.58	3236.00	7946.98	1	1	CC02	0	0	NH

[illegible]	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
961	32367947	01JUN1990	EP02		3236.90	7947.40	3236.90	7946.98	1	1	CC02	0	0	MM
962	32367948	01JUN1990	EP02		3236.78	7948.00	3236.78	7946.98	1	1	CC02	0	0	MM
963	32367948	01JUN1990	EP02		3236.90	7948.00	3236.90	7947.82	1	1	CC02	0	0	MM
964	32367948	01JUN1990	EP02		3236.42	7948.00	3236.48	7946.98	1	1	CC02	0	0	MM
965	32367948	01JUN1990	EP02		3236.00	7948.00	3235.76	7948.00	1	1	CC02	0	0	MB
966	32367948	01JUN1990	EP02		3236.12	7948.00	3236.00	7948.00	1	1	CC02	0	0	MB
967	32367948	01JUN1990	EP02		3236.00	7948.42	3235.58	7948.48	1	1	CC02	0	0	MM
968	32377942	01JUN1990	EP02		3237.44	7942.00	3237.38	7943.02	1	1	CC02	0	0	MM
969	32377942	01JUN1990	EP02		3237.98	7942.42	3237.98	7942.00	1	1	CC02	0	0	MM
970	32377942	01JUN1990	EP02		3237.26	7942.00	3237.26	7940.98	1	1	CC02	0	0	MM
971	32377942	01JUN1990	EP02		3237.08	7942.00	3237.14	7941.22	1	1	CC02	0	0	MM
972	32377942	01JUN1990	EP02		3237.98	7942.00	3237.98	7941.82	1	1	CC02	0	0	MM
973	32377942	01JUN1990	EP02		3237.80	7942.66	3237.80	7942.00	1	1	CC02	0	0	MM
974	32377942	01JUN1990	EP02		3237.80	7942.00	3237.74	7940.98	1	1	CC02	0	0	MM
975	32377942	01JUN1990	EP02		3237.56	7942.00	3237.62	7942.84	1	1	CC02	0	0	MM
976	32377943	01JUN1990	EP02		3237.08	7943.26	3237.08	7943.02	1	1	CC02	0	0	MM
977	32377943	01JUN1990	EP02		3237.08	7943.02	3237.08	7942.00	1	1	CC02	0	0	MM
978	32377943	01JUN1990	EP02		3237.32	7943.20	3237.26	7943.02	1	1	CC02	0	0	MM
979	32377943	01JUN1990	EP02		3237.26	7943.02	3237.26	7942.00	1	1	CC02	0	0	MM
980	32377945	01JUN1990	EP02		3237.08	7945.66	3237.14	7946.02	1	1	CC02	0	0	MM
981	32377945	01JUN1990	EP02		3237.20	7945.00	3237.26	7946.02	1	1	CC02	0	0	MM
982	32377946	01JUN1990	EP02		3237.62	7946.98	3237.62	7946.80	1	1	CC02	0	0	MM
983	32377946	01JUN1990	EP02		3237.26	7946.02	3237.26	7946.98	1	1	CC02	0	0	MM
984	32377946	01JUN1990	EP02		3237.14	7946.02	3237.08	7946.98	1	1	CC02	0	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
961		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
962		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
963		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
964		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
965		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
966		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
967		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
968		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
969		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
970		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
971		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
972		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
973		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
974		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
975		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
976		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
977		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
978		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
979		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
980		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
981		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
982		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
983		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
984		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
JUN1990	EP02		3237.44	7946.98	3237.44	7946.44	1	1	CC02	0	0	NH
JUN1990	EP02		3237.08	7946.98	3237.08	7948.00	1	1	CC02	0	0	NH
JUN1990	EP02		3237.26	7946.98	3237.26	7948.00	1	1	CC02	0	0	NH
JUN1990	EP02		3237.80	7947.10	3237.80	7947.88	1	1	CC02	0	0	NH
JUN1990	EP02		3237.02	7948.46	3236.00	7948.42	1	1	CC02	0	0	HB
JUN1990	EP02		3237.98	7948.45	3237.02	7948.46	1	1	CC02	0	0	NH
JUN1990	EP02		3237.44	7948.00	3237.44	7946.98	1	1	CC02	0	0	NH
JUN1990	EP02		3237.62	7948.00	3237.62	7946.98	1	1	CC02	0	0	NH
JUN1990	EP02		3238.94	7939.96	3238.94	7940.02	1	1	CC02	0	0	NH
JUN1990	EP02		3238.22	7940.02	3238.28	7940.98	1	1	CC02	0	0	NH
JUN1990	EP02		3238.94	7940.02	3239.00	7940.56	1	1	CC02	0	0	HB
JUN1990	EP02		3238.44	7940.98	3238.52	7940.02	1	1	CC02	0	0	HB
JUN1990	EP02		3238.10	7940.98	3238.10	7942.00	1	1	CC02	0	0	NH
JUN1990	EP02		3238.10	7940.20	3238.10	7940.98	1	1	CC02	0	0	NH
JUN1990	EP02		3238.28	7940.98	3238.28	7942.00	1	1	CC02	0	0	NH
JUN1990	EP02		3238.94	7940.98	3239.00	7941.16	1	1	CC02	0	0	HB
JUN1990	EP02		3238.64	7940.98	3238.64	7940.14	1	1	CC02	0	0	NH
JUN1990	EP02		3238.82	7940.02	3238.82	7940.98	1	1	CC02	0	0	HB
JUN1990	EP02		3238.82	7940.98	3238.82	7942.00	1	1	CC02	0	0	NH
JUN1990	EP02		3238.10	7942.00	3238.10	7942.42	1	1	CC02	0	0	NH
JUN1990	EP02		3238.64	7942.36	3238.64	7942.00	1	1	CC02	0	0	NH
JUN1990	EP02		3238.82	7942.00	3238.82	7942.72	1	1	CC02	0	0	NH
JUN1990	EP02		3238.40	7942.00	3238.44	7940.98	1	1	CC02	0	0	NH
JUN1990	EP02		3238.64	7942.00	3238.64	7940.98	1	1	CC02	0	0	HB

D	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
UN1990	EP02		3238.40	7942.06	3238.40	7942.00	1	1	CC02	0	0	NH
UN1990	EP02		3238.94	7947.70	3239.00	7947.88	1	1	CC02	0	0	NH
UN1990	EP02		3239.00	7940.74	3238.94	7940.98	1	1	CC02	0	0	HB
UN1990	EP02		3239.00	7940.56	3239.00	7940.74	1	1	CC02	0	0	NH
UN1990	EP02		3239.00	7941.16	3239.00	7941.58	1	1	CC02	0	0	NH
UN1990	EP02		3239.00	7942.78	3238.94	7942.96	1	1	CC02	0	0	NH
UN1990	EP02		3239.00	7942.54	3239.00	7942.78	1	1	CC02	0	0	NH
UN1990	EP02		3239.31	7942.00	3239.30	7940.98	1	1	CC02	0	0	NH
UN1990	EP02		3239.24	7943.74	3239.36	7943.02	1	1	CC02	0	0	NH
UN1990	EP02		3239.36	7943.02	3239.31	7942.00	1	1	CC02	0	0	NH
UN1990	EP02		3239.00	7948.30	3237.98	7948.45	1	1	CC02	0	0	NH
AY1953	FW01	56, #18	3332.00	7855.00	0.00	0.00	5	0	DR01	9	0	NH
EB1954	FW01	56, #433	3332.00	7855.00	0.00	0.00	5	0	DR01	9	0	NH
CT1953	FW01	56, #498	3332.00	7855.00	0.00	0.00	5	0	DR01	12	0	NH
UN1985	GS01	105	3321.94	7857.94	0.00	0.00	1	0	GR05	17	0	NH
UN1985	GS01	106	3323.74	7859.11	0.00	0.00	1	0	GR05	14	0	NH
UN1985	GS01	107	3324.81	7859.91	0.00	0.00	1	0	GR05	15	0	NH
UN1985	GS01	108	3326.64	7902.21	0.00	0.00	1	0	GR05	12	0	NH
UN1985	GS01	109	3327.10	7904.13	0.00	0.00	1	0	GR05	11	0	NH
UN1985	GS01	110	3324.16	7905.71	0.00	0.00	1	0	GR05	10	0	NH
UN1985	GS01	111	3321.27	7908.35	0.00	0.00	1	0	GR05	5	0	NH
UN1985	GS01	112	3318.23	7908.65	0.00	0.00	1	0	GR05	6	0	NH
UN1985	GS01	113	3316.42	7909.56	0.00	0.00	1	0	GR05	7	0	NH
UN1985	GS01	114	3315.92	7909.23	0.00	0.00	1	0	GR05	7	0	NH

D	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
9	0.00	0.00	7.5	1.15	0.26	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1	0.08	0.00	0.0	1.18	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
6	0.24	0.00	0.0	1.43	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
0	0.00	2.46	11.2	1.31	1.07	0.10	0.36	0.17	0.0	0.0	0.0	0.0	
0	0.00	0.76	9.1	1.98	0.60	0.10	0.14	0.03	0.0	0.0	0.0	0.0	
6	0.00	1.26	20.0	2.00	1.15	1.70	0.31	0.11	0.0	0.0	0.0	0.0	
2	0.00	0.45	7.0	1.98	1.14	1.70	0.30	0.08	0.0	0.0	0.0	0.0	
7	0.00	0.92	23.6	0.00	0.71	19.50	0.17	0.06	0.0	0.0	0.0	0.0	
5	0.00	1.32	15.9	2.13	1.48	6.70	0.73	0.17	0.0	0.0	0.0	0.0	
6	0.00	1.32	4.6	2.48	2.91	0.90	1.57	0.37	0.0	0.0	0.0	0.0	
2	0.00	0.21	6.5	2.06	1.16	1.40	0.48	0.11	0.0	0.0	0.0	0.0	
5	0.00	4.38	15.3	2.42	2.20	0.10	1.00	0.24	0.0	0.0	0.0	0.0	
3	0.00	0.56	35.8	0.91	0.45	0.10	0.21	0.05	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1033	33157908	01JUN1985	GS01	115	3315.07	7908.60	0.00	0.00	1	0	GR05	9	0	MM
1034	33227900	01JUN1985	GS01	118	3322.22	7900.96	0.00	0.00	1	0	GR05	12	0	MM
1035	33237902	01JUN1985	GS01	119	3323.88	7902.01	0.00	0.00	1	0	GR05	11	0	MM
1036	33257902	01JUN1985	GS01	120	3325.11	7902.81	0.00	0.00	1	0	GR05	10	0	MM
1037	33227904	01JUN1985	GS01	121	3322.46	7904.40	0.00	0.00	1	0	GR05	9	0	MM
1038	33207903	01JUN1985	GS01	122	3320.84	7903.12	0.00	0.00	1	0	GR05	11	0	MM
1039	33197901	01JUN1985	GS01	123	3319.06	7901.78	0.00	0.00	1	0	GR05	14	0	MM
1040	33177900	01JUN1985	GS01	124	3317.95	7900.80	0.00	0.00	1	0	GR05	14	0	MM
1041	33167902	01JUN1985	GS01	125	3316.18	7902.08	0.00	0.00	1	0	GR05	13	0	MM
1042	33167902	01JUN1985	GS01	126	3316.96	7902.86	0.00	0.00	1	0	GR05	13	0	MM
1043	33187903	01JUN1985	GS01	127	3318.25	7903.81	0.00	0.00	1	0	GR05	10	0	MM
1044	33197904	01JUN1985	GS01	128	3319.45	7904.78	0.00	0.00	1	0	GR05	10	0	MM
1045	33207905	01JUN1985	GS01	129	3320.06	7905.26	0.00	0.00	1	0	GR05	13	0	MM
1046	33337900	01JUN1985	GS01	16	3333.37	7900.44	0.00	0.00	1	0	GR05	7	0	MM
1047	33357858	01JUN1985	GS01	17	3335.15	7858.82	0.00	0.00	1	0	GR05	58	0	MM
1048	33367857	01JUN1985	GS01	18	3336.73	7857.06	0.00	0.00	1	0	GR05	8	0	MM
1049	33387855	01JUN1985	GS01	19	3338.56	7855.32	0.00	0.00	1	0	GR05	9	0	MM
1050	33407853	01JUN1985	GS01	20	3340.18	7853.85	0.00	0.00	1	0	GR05	7	0	MM
1051	33377850	01JUN1985	GS01	22	3337.76	7850.50	0.00	0.00	1	0	GR05	13	0	MM
1052	33367848	01JUN1985	GS01	23	3336.39	7848.56	0.00	0.00	1	0	GR05	15	0	MM
1053	33357846	01JUN1985	GS01	24	3335.04	7846.64	0.00	0.00	1	0	GR05	17	0	MM
1054	33317846	01JUN1985	GS01	27	3331.77	7846.86	0.00	0.00	1	0	GR05	18	0	MM
1055	33337848	01JUN1985	GS01	28	3333.26	7848.74	0.00	0.00	1	0	GR05	16	0	MM
1056	33347850	01JUN1985	GS01	29	3334.82	7850.70	0.00	0.00	1	0	GR05	14	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1033		92.7	0.00	0.23	13.9	1.56	0.99	0.80	0.38	0.15	0.0	0.0	0.0	0.0	
1034		92.9	0.00	0.47	29.6	0.78	0.24	1.10	0.10	0.06	0.0	0.0	0.0	0.0	
1035		79.2	0.00	2.23	44.9	1.14	0.76	3.70	0.31	0.12	0.0	0.0	0.0	0.0	
1036		98.3	0.00	1.19	28.7	2.15	1.92	3.50	1.02	0.40	0.0	0.0	0.0	0.0	
1037		84.7	0.00	0.06	38.9	1.94	0.47	2.30	0.14	0.03	0.0	0.0	0.0	0.0	
1038		94.8	0.00	0.71	22.6	1.08	0.54	2.60	0.22	0.09	0.0	0.0	0.0	0.0	
1039		96.1	0.00	1.17	9.9	1.50	2.33	1.50	1.09	0.41	0.0	0.0	0.0	0.0	
1040		97.2	0.00	1.57	8.5	1.45	0.62	0.10	0.16	0.07	0.0	0.0	0.0	0.0	
1041		94.0	0.00	1.35	12.4	1.17	0.86	0.10	0.20	0.08	0.0	0.0	0.0	0.0	
1042		94.5	0.00	2.00	7.9	1.23	0.97	0.10	0.35	0.16	0.0	0.0	0.0	0.0	
1043		97.3	0.00	0.74	6.1	1.43	1.88	0.10	0.82	0.25	0.0	0.0	0.0	0.0	
1044		94.5	0.00	0.74	10.7	1.06	0.62	0.90	0.26	0.10	0.0	0.0	0.0	0.0	
1045		94.3	0.00	1.35	17.5	2.18	1.51	0.10	0.51	0.26	0.0	0.0	0.0	0.0	
1046		95.8	0.00	1.99	13.2	2.31	2.99	5.60	1.75	0.40	0.0	0.0	0.0	0.0	
1047		96.3	0.00	1.56	11.6	2.29	1.88	10.00	0.93	0.18	0.0	0.0	0.0	0.0	
1048		89.8	0.00	0.88	25.8	1.51	2.77	20.90	0.39	0.11	0.0	0.0	0.0	0.0	
1049		84.0	0.00	1.70	39.2	2.10	1.89	22.10	0.68	0.18	0.0	0.0	0.0	0.0	
1050		65.2	0.00	4.38	50.5	2.36	1.06	9.70	0.44	0.09	0.0	0.0	0.0	0.0	
1051		98.5	0.00	0.59	7.2	1.51	1.15	27.40	0.36	0.10	0.0	0.0	0.0	0.0	
1052		97.0	0.00	1.18	5.4	0.96	0.40	19.10	0.14	0.04	0.0	0.0	0.0	0.0	
1053		87.7	0.00	1.82	8.0	0.77	1.03	20.00	0.43	0.13	0.0	0.0	0.0	0.0	
1054		94.3	0.00	1.57	5.2	1.07	0.91	6.50	0.51	0.17	0.0	0.0	0.0	0.0	
1055		95.6	0.00	1.02	6.7	0.79	0.95	11.70	0.39	0.20	0.0	0.0	0.0	0.0	
1056		97.7	0.00	1.26	6.8	1.71	0.46	14.20	0.16	0.08	0.0	0.0	0.0	0.0	

DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
N1985	GS01	30	3336.27	7852.54	0.00	0.00	1	0	GR05	13	0	NH
N1985	GS01	31	3337.52	7854.17	0.00	0.00	1	0	GR05	11	0	NH
N1985	GS01	32	3332.22	7859.14	0.00	0.00	1	0	GR05	11	0	NH
N1985	GS01	33	3333.68	7857.44	0.00	0.00	1	0	GR05	10	0	NH
N1985	GS01	34	3335.86	7855.85	0.00	0.00	1	0	GR05	11	0	NH
N1985	GS01	35	3334.45	7854.31	0.00	0.00	1	0	GR05	12	0	NH
N1985	GS01	36	3332.94	7852.53	0.00	0.00	1	0	GR05	13	0	NH
N1985	GS01	37	3332.19	7851.78	0.00	0.00	1	0	GR05	16	0	NH
N1985	GS01	38	3331.47	7850.81	0.00	0.00	1	0	GR05	15	0	NH
N1985	GS01	45	3327.72	7851.14	0.00	0.00	1	0	GR05	14	0	NH
N1985	GS01	46	3329.43	7852.73	0.00	0.00	1	0	GR05	12	0	NH
N1985	GS01	47	3330.75	7854.08	0.00	0.00	1	0	GR05	9	0	NH
N1985	GS01	48	3331.32	7854.63	0.00	0.00	1	0	GR05	10	0	NH
N1985	GS01	49	3331.99	7855.32	0.00	0.00	1	0	GR05	9	0	NH
N1985	GS01	50	3332.46	7855.84	0.00	0.00	1	0	GR05	9	0	NH
N1985	GS01	51	3330.89	7857.81	0.00	0.00	1	0	GR05	9	0	NH
N1985	GS01	52	3330.71	7900.78	0.00	0.00	1	0	GR05	6	0	NH
N1985	GS01	55	3329.78	7901.57	0.00	0.00	1	0	GR05	9	0	NH
N1985	GS01	56	3328.70	7900.31	0.00	0.00	1	0	GR05	10	0	NH
N1985	GS01	57	3327.27	7858.41	0.00	0.00	1	0	GR05	13	0	NH
N1985	GS01	58	3326.61	7857.76	0.00	0.00	1	0	GR05	13	0	NH
N1985	GS01	59	3325.60	7856.53	0.00	0.00	1	0	GR05	13	0	NH
N1985	GS01	60	3323.95	7855.28	0.00	0.00	1	0	GR05	14	0	NH
N1985	GS01	61	3322.99	7854.69	0.00	0.00	1	0	GR05	16	0	NH

SILT	CLAY	CARBONAT	MEANGRS1	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
0.00	1.23	12.5	1.52	0.64	22.00	0.17	0.08	0.0	0.0	0.0	0.0	
0.00	1.67	23.9	1.73	1.62	17.60	0.57	0.26	0.0	0.0	0.0	0.0	
0.00	0.39	14.2	1.93	1.18	9.30	0.52	0.18	0.0	0.0	0.0	0.0	
0.00	0.27	5.5	2.37	2.19	4.30	0.97	0.32	0.0	0.0	0.0	0.0	
0.00	0.39	28.0	2.04	2.69	18.20	0.76	0.40	0.0	0.0	0.0	0.0	
0.00	0.52	13.5	1.54	1.04	17.10	0.27	0.10	0.0	0.0	0.0	0.0	
0.00	0.26	6.8	1.57	0.50	16.50	0.16	0.07	0.0	0.0	0.0	0.0	
0.00	0.47	19.5	1.23	1.21	6.00	0.62	0.15	0.0	0.0	0.0	0.0	
0.00	0.08	5.6	1.47	0.50	2.20	0.19	0.07	0.0	0.0	0.0	0.0	
0.00	0.18	3.4	1.28	0.49	0.90	0.21	0.04	0.0	0.0	0.0	0.0	
0.00	0.18	4.0	1.15	0.29	3.60	0.12	0.05	0.0	0.0	0.0	0.0	
0.00	0.00	2.5	1.28	0.45	3.10	0.16	0.07	0.0	0.0	0.0	0.0	
0.00	0.02	7.8	1.61	0.75	2.00	0.33	0.10	0.0	0.0	0.0	0.0	
0.00	0.02	5.7	1.57	0.93	8.20	0.44	0.17	0.0	0.0	0.0	0.0	
0.00	0.02	6.1	1.93	0.97	3.10	0.44	0.12	0.0	0.0	0.0	0.0	
0.00	0.02	23.9	0.66	0.69	3.70	0.34	0.09	0.0	0.0	0.0	0.0	
0.00	0.04	2.1	2.42	1.42	0.60	0.58	0.05	0.0	0.0	0.0	0.0	
0.00	0.63	6.3	2.56	2.94	4.80	1.13	0.24	0.0	0.0	0.0	0.0	
0.00	0.31	30.5	1.87	0.68	3.60	0.27	0.07	0.0	0.0	0.0	0.0	
0.00	1.18	20.4	2.34	1.64	2.10	0.73	0.16	0.0	0.0	0.0	0.0	
0.00	1.30	21.6	1.88	1.07	0.00	0.49	0.04	0.0	0.0	0.0	0.0	
0.00	0.16	16.8	1.01	1.66	4.50	1.00	0.34	0.0	0.0	0.0	0.0	
0.00	0.80	9.7	2.42	1.78	2.00	0.38	0.10	0.0	0.0	0.0	0.0	
0.00	1.41	3.5	1.12	1.31	0.00	0.73	0.22	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1081	33217854	01JUN1985	GS01	65	3321.11	7854.49	0.00	0.00	1	0	GR05	14	0	NH
1082	33227855	01JUN1985	GS01	66	3322.37	7855.56	0.00	0.00	1	0	GR05	13	0	NH
1083	33237856	01JUN1985	GS01	67	3323.34	7856.42	0.00	0.00	1	0	GR05	13	0	NH
1084	33247857	01JUN1985	GS01	68	3324.36	7857.27	0.00	0.00	1	0	GR05	11	0	NH
1085	33257857	01JUN1985	GS01	69	3325.35	7857.94	0.00	0.00	1	0	GR05	10	0	NH
1086	33257858	01JUN1985	GS01	70	3325.58	7858.06	0.00	0.00	1	0	GR05	10	0	NH
1087	33267858	01JUN1985	GS01	71	3326.14	7858.42	0.00	0.00	1	0	GR05	9	0	NH
1088	33297859	01JUN1985	GS01	72	3329.56	7859.22	0.00	0.00	1	0	GR05	8	0	NH
1089	33277857	01JUN1985	GS01	73	3327.89	7857.15	0.00	0.00	1	0	GR05	11	0	NH
1090	33267855	01JUN1985	GS01	74	3326.31	7855.84	0.00	0.00	1	0	GR05	12	0	NH
1091	33247854	01JUN1985	GS01	75	3324.55	7854.43	0.00	0.00	1	0	GR05	13	0	NH
1092	33237853	01JUN1985	GS01	76	3323.48	7853.71	0.00	0.00	1	0	GR05	14	0	NH
1093	33247850	01JUN1985	GS01	83	3324.04	7850.62	0.00	0.00	1	0	GR05	16	0	NH
1094	33257851	01JUN1985	GS01	84	3325.19	7851.74	0.00	0.00	1	0	GR05	17	0	NH
1095	33267852	01JUN1985	GS01	85	3326.15	7852.71	0.00	0.00	1	0	GR05	14	0	NH
1096	33277854	01JUN1985	GS01	86	3327.31	7854.06	0.00	0.00	1	0	GR05	14	0	NH
1097	33287855	01JUN1985	GS01	87	3328.59	7855.32	0.00	0.00	1	0	GR05	12	0	NH
1098	33297856	01JUN1985	GS01	88	3329.44	7856.25	0.00	0.00	1	0	GR05	11	0	NH
1099	33287902	01JUN1985	GS01	89	3328.54	7902.65	0.00	0.00	1	0	GR05	8	0	NH
1100	33277901	01JUN1985	GS01	90	3327.63	7901.40	0.00	0.00	1	0	GR05	8	0	NH
1101	33267900	01JUN1985	GS01	91	3326.98	7900.26	0.00	0.00	1	0	GR05	10	0	NH
1102	33257900	01JUN1985	GS01	92	3325.79	7900.72	0.00	0.00	1	0	GR05	12	0	NH
1103	33307902	01JUN1985	GS01	93	3330.38	7902.49	0.00	0.00	1	0	GR05	6	0	NH
1104	33297903	01JUN1985	GS01	94	3329.36	7903.97	0.00	0.00	1	0	GR05	7	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1081		99.4	0.00	0.05	3.4	1.35	0.82	5.10	0.37	0.11	0.0	0.0	0.0	0.0	
1082		99.0	0.00	0.08	3.9	1.28	0.59	15.80	0.21	0.10	0.0	0.0	0.0	0.0	
1083		98.8	0.00	0.82	7.5	2.15	1.35	13.40	0.29	0.13	0.0	0.0	0.0	0.0	
1084		97.7	0.00	1.59	6.5	1.99	1.05	8.10	0.37	0.06	0.0	0.0	0.0	0.0	
1085		98.1	0.00	0.00	8.7	1.45	0.60	2.10	0.29	0.10	0.0	0.0	0.0	0.0	
1086		93.0	0.00	0.17	13.6	1.37	0.70	11.70	0.32	0.13	0.0	0.0	0.0	0.0	
1087		95.4	0.00	0.16	12.7	1.30	1.43	32.40	0.57	0.18	0.0	0.0	0.0	0.0	
1088		99.6	0.00	0.14	3.9	2.01	0.81	1.70	0.42	0.16	0.0	0.0	0.0	0.0	
1089		99.7	0.00	0.19	5.3	1.97	0.75	1.20	0.31	0.10	0.0	0.0	0.0	0.0	
1090		99.4	0.00	0.19	6.4	1.91	0.96	0.90	0.42	0.14	0.0	0.0	0.0	0.0	
1091		98.2	0.00	0.23	6.8	1.31	0.39	2.50	0.14	0.04	0.0	0.0	0.0	0.0	
1092		96.6	0.00	1.17	11.1	1.67	1.03	8.30	0.26	0.09	0.0	0.0	0.0	0.0	
1093		97.5	0.00	0.22	3.4	1.07	0.88	21.70	0.34	0.12	0.0	0.0	0.0	0.0	
1094		99.3	0.00	0.33	7.2	2.37	5.22	45.20	1.21	0.50	0.0	0.0	0.0	0.0	
1095		96.8	0.00	0.19	4.8	0.91	0.65	29.20	0.22	0.07	0.0	0.0	0.0	0.0	
1096		96.3	0.00	0.37	8.0	1.25	0.70	3.50	0.38	0.09	0.0	0.0	0.0	0.0	
1097		95.9	0.00	0.49	12.2	1.50	1.04	4.60	0.50	0.13	0.0	0.0	0.0	0.0	
1098		91.1	0.00	0.30	14.8	0.84	2.21	39.40	0.76	0.34	0.0	0.0	0.0	0.0	
1099		92.0	0.00	0.21	23.0	1.69	1.06	66.30	0.20	0.26	0.0	0.0	0.0	0.0	
1100		99.3	0.00	0.10	5.0	1.97	0.50	0.70	0.22	0.13	0.0	0.0	0.0	0.0	
1101		88.9	0.00	0.27	18.5	1.92	0.76	5.40	0.32	0.06	0.0	0.0	0.0	0.0	
1102		98.9	0.00	2.60	6.1	2.18	1.28	0.60	0.54	0.06	0.0	0.0	0.0	0.0	
1103		97.5	0.00	1.47	6.0	2.65	6.16	2.60	3.33	0.21	0.0	0.0	0.0	0.0	
1104		98.4	0.00	0.90	5.9	2.56	2.92	10.90	1.81	0.99	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1105	33287905	01JUN1985	GS01	95	3328.36	7905.09	0.00	0.00	1	0	GR05	6	0	MM
1106	33257906	01JUN1985	GS01	96	3325.74	7906.81	0.00	0.00	1	0	GR05	7	0	MM
1107	33237907	01JUN1985	GS01	97	3323.78	7907.79	0.00	0.00	1	0	GR05	7	0	MM
1108	33187905	01JUN1985	GS01	98	3318.74	7905.16	0.00	0.00	1	0	GR05	14	0	MM
1109	33147901	01JUN1985	GS01	99	3314.80	7901.03	0.00	0.00	1	0	GR05	15	0	MM
1110	33317857	01MAR1991	MR01		3331.85	7857.00	3331.43	7856.35	1	2	0101	0	0	MM
1111	33327855	01MAR1991	MR01		3332.00	7855.86	3331.96	7855.80	1	2	0101	0	0	MM
1112	33327856	01MAR1991	MR01		3332.58	7856.00	3332.22	7855.45	1	2	0101	0	0	MM
1113	33327856	01MAR1991	MR01		3332.08	7856.00	3332.00	7855.86	1	2	0101	0	0	MM
1114	33327856	01MAR1991	MR01		3332.00	7856.61	3331.65	7856.05	1	2	0101	0	0	HB
1115	33327856	01MAR1991	MR01		3332.18	7856.00	3332.07	7855.76	1	2	0101	0	0	MM
1116	33327856	01MAR1991	MR01		3332.88	7856.00	3332.48	7855.37	1	2	0101	0	0	MM
1117	33327856	01MAR1991	MR01		3332.00	7856.90	3331.62	7856.12	1	2	0101	0	0	MM
1118	33327856	01MAR1991	MR01		3332.43	7856.00	3332.21	7855.61	1	2	0101	0	0	MM
1119	33327856	01MAR1991	MR01		3332.00	7856.33	3331.81	7856.00	1	2	0101	0	0	MM
1120	33327856	01MAR1991	MR01		3332.33	7856.00	3332.12	7855.66	1	2	0101	0	0	MM
1121	33327856	01MAR1991	MR01		3332.00	7856.13	3331.96	7856.08	1	2	0101	0	0	MM
1122	33327857	01MAR1991	MR01		3332.92	7857.00	3332.33	7856.00	1	2	0101	0	0	MM
1123	33327857	01MAR1991	MR01		3332.05	7857.00	3332.00	7856.90	1	2	0101	0	0	MM
1124	33327857	01MAR1991	MR01		3332.20	7857.00	3332.00	7856.61	1	2	0101	0	0	HB
1125	33327857	01MAR1991	MR01		3332.49	7857.00	3332.00	7856.13	1	2	0101	0	0	MM
1126	33327857	01MAR1991	MR01		3332.78	7857.00	3332.18	7856.00	1	2	0101	0	0	MM
1127	33327857	01MAR1991	MR01		3332.00	7857.00	3331.51	7856.24	1	2	0101	0	0	MM
1128	33327857	01MAR1991	MR01		3332.42	7857.00	3332.00	7856.33	1	2	0101	0	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1105		76.4	0.00	2.01	26.2	0.93	0.83	7.40	0.41	0.10	0.0	0.0	0.0	0.0	
1106		97.3	0.00	1.46	11.3	2.18	1.05	24.00	0.29	0.09	0.0	0.0	0.0	0.0	
1107		81.6	0.00	2.35	26.2	1.30	1.73	3.10	0.74	0.19	0.0	0.0	0.0	0.0	
1108		91.6	0.00	1.56	10.2	1.35	1.21	1.90	0.57	0.16	0.0	0.0	0.0	0.0	
1109		94.4	0.00	0.95	2.9	0.82	1.69	0.10	0.86	0.26	0.0	0.0	0.0	0.0	
1110		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1111		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1112		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1113		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1114		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1115		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1116		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1117		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1118		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1119		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1120		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1121		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1122		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1123		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1124		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1125		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1126		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1127		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1128		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1129	33327857	01MAR1991	MR01		3332.00	7857.27	3331.85	7857.00	1	2	0101	0	0	MB
1130	33327857	01MAR1991	MR01		3332.58	7857.99	3332.00	7857.00	1	2	0101	0	0	MH
1131	33327857	01MAR1991	MR01		3332.64	7857.00	3332.08	7856.00	1	2	0101	0	0	MH
1132	33327858	01MAR1991	MR01		3332.71	7858.00	3332.05	7857.00	1	2	0101	0	0	MH
1133	33327858	01MAR1991	MR01		3332.73	7858.25	3332.58	7857.99	1	2	0101	0	0	MH
1134	33327858	01MAR1991	MR01		3332.98	7858.48	3332.71	7858.00	1	2	0101	0	0	MB
1135	33327858	01MAR1991	MR01		3332.67	7858.35	3332.46	7858.00	1	2	0101	0	0	MH
1136	33327858	01MAR1991	MR01		3332.46	7858.00	3332.00	7857.27	1	2	0101	0	0	MH
1137	33327858	01MAR1991	MR01		3332.84	7858.00	3332.20	7857.00	1	2	0101	0	0	MB
1138	33337855	01MAR1991	MR01		3333.00	7855.29	3332.83	7855.00	1	2	0101	0	0	MH
1139	33337855	01MAR1991	MR01		3333.15	7855.99	3333.00	7855.72	1	2	0101	0	0	MB
1140	33337855	01MAR1991	MR01		3333.53	7855.99	3333.00	7855.01	1	2	0101	0	0	MB
1141	33337855	01MAR1991	MR01		3333.00	7855.53	3332.76	7855.08	1	2	0101	0	0	MB
1142	33337855	01MAR1991	MR01		3333.00	7855.72	3332.66	7855.18	1	2	0101	0	0	MB
1143	33337856	01MAR1991	MR01		3333.00	7856.17	3332.88	7856.00	1	2	0101	0	0	MB
1144	33337856	01MAR1991	MR01		3333.00	7856.51	3332.72	7856.00	1	2	0101	0	0	MH
1145	33337856	01MAR1991	MR01		3333.44	7856.00	3333.00	7855.29	1	2	0101	0	0	MB
1146	33337856	01MAR1991	MR01		3333.00	7856.00	3332.55	7855.25	1	2	0101	0	0	MB
1147	33337856	01MAR1991	MR01		3333.00	7856.66	3332.58	7856.00	1	2	0101	0	0	MH
1148	33337856	01MAR1991	MR01		3333.28	7856.00	3333.00	7855.53	1	2	0101	0	0	MH
1149	33337857	01MAR1991	MR01		3333.83	7857.91	3333.33	7857.00	1	2	0101	0	0	MH
1150	33337857	01MAR1991	MR01		3333.00	7857.13	3332.92	7857.00	1	2	0101	0	0	MH
1151	33337857	01MAR1991	MR01		3333.33	7857.00	3333.00	7856.51	1	2	0101	0	0	MH
1152	33337857	01MAR1991	MR01		3333.66	7857.00	3333.15	7855.99	1	2	0101	0	0	MH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1129		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1130		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1131		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1132		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1133		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1134		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1135		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1136		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1137		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1138		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1139		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1140		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1141		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1142		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1143		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1144		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1145		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1146		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1147		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1148		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1149		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1150		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1151		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1152		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1153	33337857	01MAR1991	MR01		3333.00	7857.81	3332.49	7857.00	1	2	0101	0	0	MB
1154	33337857	01MAR1991	MR01		3333.00	7857.00	3332.43	7856.00	1	2	0101	0	0	MM
1155	33337857	01MAR1991	MR01		3333.18	7857.00	3333.00	7856.66	1	2	0101	0	0	MM
1156	33337857	01MAR1991	MR01		3333.00	7857.95	3332.42	7857.00	1	2	0101	0	0	MM
1157	33337857	01MAR1991	MR01		3333.94	7857.79	3333.43	7857.00	1	2	0101	0	0	MB
1158	33337857	01MAR1991	MR01		3333.00	7857.54	3332.64	7857.00	1	2	0101	0	0	MM
1159	33337857	01MAR1991	MR01		3333.43	7857.00	3333.00	7856.17	1	2	0101	0	0	MM
1160	33337857	01MAR1991	MR01		3333.87	7857.00	3333.28	7856.00	1	2	0101	0	0	MB
1161	33337857	01MAR1991	MR01		3333.73	7857.97	3333.18	7857.00	1	2	0101	0	0	MM
1162	33337857	01MAR1991	MR01		3333.57	7857.00	3333.00	7856.00	1	2	0101	0	0	MB
1163	33337857	01MAR1991	MR01		3333.00	7857.37	3332.78	7857.00	1	2	0101	0	0	MM
1164	33337858	01MAR1991	MR01		3333.00	7858.24	3332.84	7858.00	1	2	0101	0	0	MM
1165	33337858	01MAR1991	MR01		3333.33	7858.34	3333.11	7858.00	1	2	0101	0	0	MB
1166	33337858	01MAR1991	MR01		3333.68	7858.02	3333.67	7858.00	1	2	0101	0	0	MM
1167	33337858	01MAR1991	MR01		3333.60	7858.10	3333.49	7858.00	1	2	0101	0	0	MM
1168	33337858	01MAR1991	MR01		3333.11	7858.00	3333.00	7857.81	1	2	0101	0	0	MM
1169	33337858	01MAR1991	MR01		3333.19	7858.30	3333.02	7858.00	1	2	0101	0	0	MB
1170	33337858	01MAR1991	MR01		3333.02	7858.00	3333.00	7857.95	1	2	0101	0	0	MM
1171	33337858	01MAR1991	MR01		3333.15	7858.47	3333.00	7858.24	1	2	0101	0	0	MB
1172	33337858	01MAR1991	MR01		3333.48	7858.19	3333.37	7857.99	1	2	0101	0	0	MM
1173	33347856	01MAR1991	MR01		3334.00	7856.73	3333.53	7855.99	1	2	0101	0	0	MM
1174	33347857	01MAR1991	MR01		3334.03	7857.73	3334.00	7857.68	1	2	0101	0	0	MM
1175	33347857	01MAR1991	MR01		3334.15	7857.00	3334.00	7856.73	1	2	0101	0	0	MM
1176	33347857	01MAR1991	MR01		3334.11	7857.65	3334.00	7857.44	1	2	0101	0	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1153		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1154		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1155		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1156		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1157		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1158		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1159		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1160		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1161		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1162		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1163		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1164		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1165		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1166		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1167		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1168		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1169		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1170		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1171		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1172		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1173		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1174		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1175		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1176		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1177	33347857	01MAR1991	MR01		3334.41	7857.41	3334.15	7857.00	1	2	0101	0	0	MM
1178	33347857	01MAR1991	MR01		3334.00	7857.16	3333.87	7857.00	1	2	0101	0	0	MM
1179	33347857	01MAR1991	MR01		3334.02	7857.00	3333.44	7856.00	1	2	0101	0	0	MM
1180	33347857	01MAR1991	MR01		3334.30	7857.50	3334.02	7857.00	1	2	0101	0	0	MM
1181	33347857	01MAR1991	MR01		3334.00	7857.68	3333.57	7857.00	1	2	0101	0	0	MM
1182	33347857	01MAR1991	MR01		3334.00	7857.44	3333.66	7857.00	1	2	0101	0	0	MM
1183	33347857	01MAR1991	MR01		3334.17	7857.56	3334.00	7857.16	1	2	0101	0	0	MM
1184	33377852	01MAR1991	MR01		3337.31	7852.00	3337.10	7851.83	1	2	0101	0	0	MM
1185	33377852	01MAR1991	MR01		3337.87	7852.00	3337.32	7851.54	1	2	0101	0	0	MM
1186	33377852	01MAR1991	MR01		3337.68	7852.00	3337.23	7851.63	1	2	0101	0	0	MM
1187	33377852	01MAR1991	MR01		3337.50	7852.00	3337.16	7851.72	1	2	0101	0	0	MM
1188	33377852	01MAR1991	MR01		3337.13	7852.00	3337.02	7851.92	1	2	0101	0	0	MM
1189	33387851	01MAR1991	MR01		3338.00	7851.27	3337.70	7851.09	1	2	0101	0	0	MM
1190	33387851	01MAR1991	MR01		3338.00	7851.48	3337.67	7851.15	1	2	0101	0	0	MM
1191	33387852	01MAR1991	MR01		3338.00	7852.58	3337.31	7852.00	1	2	0101	0	0	MM
1192	33387852	01MAR1991	MR01		3338.00	7852.42	3337.50	7852.00	1	2	0101	0	0	MM
1193	33387852	01MAR1991	MR01		3338.00	7852.83	3337.13	7852.00	1	2	0101	0	0	MB
1194	33387852	01MAR1991	MR01		3338.11	7852.00	3338.00	7851.90	1	2	0101	0	0	MM
1195	33387852	01MAR1991	MR01		3338.00	7852.25	3337.68	7852.00	1	2	0101	0	0	MM
1196	33387852	01MAR1991	MR01		3338.89	7852.00	3338.00	7851.27	1	2	0101	0	0	MB
1197	33387852	01MAR1991	MR01		3338.00	7852.10	3337.87	7852.00	1	2	0101	0	0	MM
1198	33387853	01MAR1991	MR01		3338.21	7853.00	3338.00	7852.83	1	2	0101	0	0	MB
1199	33387853	01MAR1991	MR01		3338.85	7853.44	3338.21	7853.00	1	2	0101	0	0	MB
1200	33387853	01MAR1991	MR01		3338.91	7853.32	3338.51	7853.00	1	2	0101	0	0	MB

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1177		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1178		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1179		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1180		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1181		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1182		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1183		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1184		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1185		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1186		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1187		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1188		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1189		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1190		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1191		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1192		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1193		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1194		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1195		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1196		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1197		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1198		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1199		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1200		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1201	33397850	01MAR1991	MR01		3339.85	7850.00	3339.70	7849.95	1	2	0101	0	0	MB
1202	33397852	01MAR1991	MR01		3339.39	7852.72	3339.00	7852.39	1	2	0101	0	0	MB
1203	33397852	01MAR1991	MR01		3339.51	7852.52	3339.00	7852.09	1	2	0101	0	0	MB
1204	33397852	01MAR1991	MR01		3339.47	7852.61	3339.00	7852.23	1	2	0101	0	0	MB
1205	33397852	01MAR1991	MR01		3339.31	7852.79	3339.00	7852.58	1	2	0101	0	0	MB
1206	33397852	01MAR1991	MR01		3339.00	7852.09	3338.89	7852.00	1	2	0101	0	0	MB
1207	33397852	01MAR1991	MR01		3339.00	7852.23	3338.73	7852.00	1	2	0101	0	0	MB
1208	33407849	01MAR1991	MR01		3340.00	7849.52	3339.93	7849.50	1	2	0101	0	0	MH
1209	33407849	01MAR1991	MR01		3340.00	7849.78	3339.81	7849.72	1	2	0101	0	0	MB
1210	33407849	01MAR1991	MR01		3340.00	7849.62	3339.91	7849.58	1	2	0101	0	0	MH
1211	33407849	01MAR1991	MR01		3340.00	7849.92	3339.76	7849.83	1	2	0101	0	0	MB
1212	33407850	01MAR1991	MR01		3340.00	7850.16	3339.65	7850.05	1	2	0101	0	0	MB
1213	33407850	01MAR1991	MR01		3340.20	7850.00	3340.00	7849.92	1	2	0101	0	0	MH
1214	33407850	01MAR1991	MR01		3340.00	7850.05	3339.85	7850.00	1	2	0101	0	0	MB
1215	33407850	01MAR1991	MR01		3340.63	7850.00	3340.00	7849.78	1	2	0101	0	0	MB
1216	33417848	01MAR1991	MR01		3341.41	7848.00	3341.30	7847.91	1	2	0101	0	0	MH
1217	33417848	01MAR1991	MR01		3341.82	7848.00	3341.39	7847.72	1	2	0101	0	0	MH
1218	33417849	01MAR1991	MR01		3341.00	7849.86	3340.00	7849.52	1	2	0101	0	0	MB
1219	33417849	01MAR1991	MR01		3341.00	7849.72	3340.00	7849.30	1	2	0101	0	0	MB
1220	33417850	01MAR1991	MR01		3341.83	7850.00	3341.00	7849.72	1	2	0101	0	0	MB
1221	33417850	01MAR1991	MR01		3341.00	7850.56	3340.00	7850.16	1	2	0101	0	0	MB
1222	33417850	01MAR1991	MR01		3341.61	7850.80	3341.00	7850.56	1	2	0101	0	0	MB
1223	33417850	01MAR1991	MR01		3341.00	7850.42	3340.00	7850.05	1	2	0101	0	0	MB
1224	33417850	01MAR1991	MR01		3341.81	7850.57	3341.00	7850.26	1	2	0101	0	0	MB

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1201		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1202		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1203		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1204		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1205		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1206		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1207		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1208		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1209		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1210		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1211		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1212		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1213		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1214		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1215		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1216		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1217		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1218		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1219		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1220		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1221		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1222		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1223		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1224		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
MAR1991	MR01		3341.00	7850.14	3340.63	7850.00	1	2	0101	0	0	HB
MAR1991	MR01		3341.33	7850.00	3341.00	7849.86	1	2	0101	0	0	HB
MAR1991	MR01		3341.00	7850.26	3340.20	7850.00	1	2	0101	0	0	HB
MAR1991	MR01		3341.00	7850.00	3340.00	7849.62	1	2	0101	0	0	HB
MAR1991	MR01		3341.96	7850.49	3341.00	7850.14	1	2	0101	0	0	HB
MAR1991	MR01		3341.71	7850.70	3341.00	7850.42	1	2	0101	0	0	HB
MAR1991	MR01		3342.00	7847.80	3341.61	7847.50	1	2	0101	0	0	HB
MAR1991	MR01		3342.00	7847.93	3341.45	7847.50	1	2	0101	0	0	HB
MAR1991	MR01		3342.00	7847.64	3341.62	7847.35	1	2	0101	0	0	HB
MAR1991	MR01		3342.00	7847.44	3341.65	7847.23	1	2	0101	0	0	NH
MAR1991	MR01		3342.00	7847.16	3341.83	7847.04	1	2	0101	0	0	NH
MAR1991	MR01		3342.00	7847.32	3341.72	7847.13	1	2	0101	0	0	NH
MAR1991	MR01		3342.89	7848.89	3342.00	7848.25	1	2	0101	0	0	NH
MAR1991	MR01		3342.10	7848.00	3342.00	7847.93	1	2	0101	0	0	NH
MAR1991	MR01		3342.48	7848.00	3342.00	7847.64	1	2	0101	0	0	HB
MAR1991	MR01		3342.00	7848.55	3341.26	7848.00	1	2	0101	0	0	HB
MAR1991	MR01		3342.00	7848.10	3341.82	7848.00	1	2	0101	0	0	NH
MAR1991	MR01		3342.00	7848.41	3341.41	7848.00	1	2	0101	0	0	HB
MAR1991	MR01		3342.71	7848.00	3342.00	7847.44	1	2	0101	0	0	HB
MAR1991	MR01		3342.00	7848.25	3341.71	7848.00	1	2	0101	0	0	NH
MAR1991	MR01		3342.26	7848.00	3342.00	7847.80	1	2	0101	0	0	NH
MAR1991	MR01		3342.00	7848.70	3341.18	7848.12	1	2	0101	0	0	HB
MAR1991	MR01		3342.94	7848.00	3342.00	7847.32	1	2	0101	0	0	HB
MAR1991	MR01		3342.80	7849.00	3342.00	7848.41	1	2	0101	0	0	HB

D	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1249	33427849	01MAR1991	MR01		3342.53	7849.00	3342.00	7848.55	1	2	0101	0	0	MB
1250	33427849	01MAR1991	MR01		3342.76	7849.12	3342.53	7849.00	1	2	0101	0	0	MB
1251	33427849	01MAR1991	MR01		3342.66	7849.22	3342.37	7849.00	1	2	0101	0	0	MB
1252	33427849	01MAR1991	MR01		3342.37	7849.00	3342.00	7848.70	1	2	0101	0	0	MB
1253	33427850	01MAR1991	MR01		3342.00	7850.22	3341.33	7850.00	1	2	0101	0	0	MB
1254	33427850	01MAR1991	MR01		3342.17	7850.29	3342.00	7850.22	1	2	0101	0	0	MB
1255	33427850	01MAR1991	MR01		3342.27	7850.19	3342.00	7850.10	1	2	0101	0	0	MB
1256	33427850	01MAR1991	MR01		3342.05	7850.41	3342.00	7850.38	1	2	0101	0	0	MB
1257	33427850	01MAR1991	MR01		3342.00	7850.38	3341.00	7850.00	1	2	0101	0	0	MB
1258	33427850	01MAR1991	MR01		3342.00	7850.10	3341.83	7850.00	1	2	0101	0	0	MB
1259	33437847	01MAR1991	MR01		3343.00	7847.86	3342.00	7847.16	1	2	0101	0	0	MB
1260	33437848	01MAR1991	MR01		3343.00	7848.80	3342.00	7848.10	1	2	0101	0	0	MH
1261	33437848	01MAR1991	MR01		3343.00	7848.22	3342.71	7848.00	1	2	0101	0	0	MB
1262	33437848	01MAR1991	MR01		3343.42	7848.17	3343.12	7848.00	1	2	0101	0	0	MB
1263	33437848	01MAR1991	MR01		3343.00	7848.65	3342.10	7848.00	1	2	0101	0	0	MH
1264	33437848	01MAR1991	MR01		3343.03	7848.74	3343.00	7848.65	1	2	0101	0	0	MH
1265	33437848	01MAR1991	MR01		3343.00	7848.52	3342.26	7848.00	1	2	0101	0	0	MB
1266	33437848	01MAR1991	MR01		3343.15	7848.65	3343.00	7848.52	1	2	0101	0	0	MH
1267	33437848	01MAR1991	MR01		3343.12	7848.00	3343.00	7847.86	1	2	0101	0	0	MB
1268	33437848	01MAR1991	MR01		3343.27	7848.42	3343.00	7848.22	1	2	0101	0	0	MB
1269	33437848	01MAR1991	MR01		3343.00	7848.32	3342.48	7848.00	1	2	0101	0	0	MB
1270	33437848	01MAR1991	MR01		3343.18	7848.50	3343.00	7848.32	1	2	0101	0	0	MB
1271	33437848	01MAR1991	MR01		3343.34	7848.35	3343.00	7848.06	1	2	0101	0	0	MB
1272	33437848	01MAR1991	MR01		3343.00	7848.06	3342.94	7848.00	1	2	0101	0	0	MB

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1249		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1250		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1251		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1252		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1253		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1254		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1255		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1256		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1257		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1258		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1259		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1260		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1261		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1262		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1263		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1264		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1265		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1266		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1267		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1268		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1269		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1270		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1271		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1272		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1273	33477832	01MAR1991	MR01		3347.96	7832.00	3347.87	7831.93	1	2	0101	0	0	MH
1274	33487831	01MAR1991	MR01		3348.52	7831.00	3348.30	7830.81	1	2	0101	0	0	MH
1275	33487831	01MAR1991	MR01		3348.00	7831.73	3347.89	7831.66	1	2	0101	0	0	MH
1276	33487831	01MAR1991	MR01		3348.66	7831.00	3348.40	7830.73	1	2	0101	0	0	MH
1277	33487831	01MAR1991	MR01		3348.00	7831.92	3347.84	7831.78	1	2	0101	0	0	AR
1278	33487832	01MAR1991	MR01		3348.69	7832.00	3348.01	7831.44	1	2	0101	0	0	MH
1279	33487832	01MAR1991	MR01		3348.85	7832.00	3348.08	7831.29	1	2	0101	0	0	MH
1280	33487832	01MAR1991	MR01		3348.00	7832.58	3347.64	7832.20	1	2	0101	0	0	MH
1281	33487832	01MAR1991	MR01		3348.31	7832.00	3348.00	7831.73	1	2	0101	0	0	AR
1282	33487832	01MAR1991	MR01		3348.00	7832.03	3347.96	7832.00	1	2	0101	0	0	MH
1283	33487832	01MAR1991	MR01		3348.00	7832.16	3347.75	7832.00	1	2	0101	0	0	MH
1284	33487832	01MAR1991	MR01		3348.47	7832.00	3348.00	7831.59	1	2	0101	0	0	MH
1285	33487832	01MAR1991	MR01		3348.00	7832.43	3347.74	7832.08	1	2	0101	0	0	AR
1286	33487832	01MAR1991	MR01		3348.00	7832.73	3347.57	7832.33	1	2	0101	0	0	MH
1287	33487832	01MAR1991	MR01		3348.11	7832.00	3348.00	7831.92	1	2	0101	0	0	MH
1288	33487832	01MAR1991	MR01		3348.00	7832.87	3347.52	7832.45	1	2	0101	0	0	MH
1289	33487833	01MAR1991	MR01		3348.83	7833.00	3348.00	7832.16	1	2	0101	0	0	MA
1290	33487833	01MAR1991	MR01		3348.21	7833.00	3348.00	7832.73	1	2	0101	0	0	MH
1291	33487833	01MAR1991	MR01		3348.15	7833.00	3348.00	7832.87	1	2	0101	0	0	MH
1292	33487833	01MAR1991	MR01		3348.00	7833.04	3347.94	7833.00	1	2	0101	0	0	MH
1293	33487833	01MAR1991	MR01		3348.70	7833.00	3348.00	7832.43	1	2	0101	0	0	MA
1294	33487833	01MAR1991	MR01		3348.48	7833.00	3348.00	7832.58	1	2	0101	0	0	AR
1295	33497831	01MAR1991	MR01		3349.00	7831.58	3348.25	7830.98	1	2	0101	0	0	AR
1296	33497831	01MAR1991	MR01		3349.00	7831.14	3348.84	7831.00	1	2	0101	0	0	AR

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1273		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1274		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1275		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1276		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1277		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1278		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1279		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1280		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1281		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1282		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1283		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1284		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1285		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1286		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1287		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1288		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1289		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1290		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1291		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1292		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1293		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1294		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1295		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1296		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1297	33497831	01MAR1991	MR01		3349.00	7831.31	3348.66	7831.00	1	2	0101	0	0	MM
1298	33497831	01MAR1991	MR01		3349.00	7831.44	3348.52	7831.00	1	2	0101	0	0	AR
1299	33497831	01MAR1991	MR01		3349.00	7831.76	3348.20	7831.05	1	2	0101	0	0	AR
1300	33497832	01MAR1991	MR01		3349.92	7832.93	3349.00	7832.09	1	2	0101	0	0	MA
1301	33497832	01MAR1991	MR01		3349.00	7832.00	3348.12	7831.17	1	2	0101	0	0	AR
1302	33497832	01MAR1991	MR01		3349.00	7832.78	3348.11	7832.00	1	2	0101	0	0	AR
1303	33497832	01MAR1991	MR01		3349.00	7832.26	3348.69	7832.00	1	2	0101	0	0	AR
1304	33497832	01MAR1991	MR01		3349.00	7832.09	3348.85	7832.00	1	2	0101	0	0	AR
1305	33497832	01MAR1991	MR01		3349.68	7832.33	3349.25	7832.00	1	2	0101	0	0	AR
1306	33497832	01MAR1991	MR01		3349.40	7832.00	3349.00	7831.58	1	2	0101	0	0	AR
1307	33497832	01MAR1991	MR01		3349.00	7832.61	3348.31	7832.00	1	2	0101	0	0	AR
1308	33497832	01MAR1991	MR01		3349.00	7832.92	3348.00	7832.03	1	2	0101	0	0	AR
1309	33497832	01MAR1991	MR01		3349.65	7832.00	3349.00	7831.44	1	2	0101	0	0	AR
1310	33497832	01MAR1991	MR01		3349.00	7832.40	3348.47	7832.00	1	2	0101	0	0	MM
1311	33497832	01MAR1991	MR01		3349.81	7832.00	3349.00	7831.31	1	2	0101	0	0	AR
1312	33497832	01MAR1991	MR01		3349.97	7832.81	3349.00	7832.00	1	2	0101	0	0	MA
1313	33497832	01MAR1991	MR01		3349.25	7832.00	3349.00	7831.76	1	2	0101	0	0	AR
1314	33497833	01MAR1991	MR01		3349.06	7833.00	3349.00	7832.92	1	2	0101	0	0	AR
1315	33497833	01MAR1991	MR01		3349.63	7833.00	3349.00	7832.40	1	2	0101	0	0	AR
1316	33497833	01MAR1991	MR01		3349.67	7833.92	3349.00	7833.45	1	2	0101	0	0	MA
1317	33497833	01MAR1991	MR01		3349.77	7833.94	3349.00	7833.28	1	2	0101	0	0	MB
1318	33497833	01MAR1991	MR01		3349.24	7833.00	3349.00	7832.78	1	2	0101	0	0	MA
1319	33497833	01MAR1991	MR01		3349.00	7833.82	3348.15	7833.00	1	2	0101	0	0	MM
1320	33497833	01MAR1991	MR01		3349.99	7833.15	3349.80	7833.00	1	2	0101	0	0	MB

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1297		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1298		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1299		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1300		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1301		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1302		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1303		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1304		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1305		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1306		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1307		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1308		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1309		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1310		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1311		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1312		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1313		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1314		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1315		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1316		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1317		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1318		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1319		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1320		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1321	33497833	01MAR1991	MR01		3349.00	7833.28	3348.70	7833.00	1	2	0101	0	0	AR
1322	33497833	01MAR1991	MR01		3349.00	7833.11	3348.83	7833.00	1	2	0101	0	0	AR
1323	33497833	01MAR1991	MR01		3349.00	7833.45	3348.48	7833.00	1	2	0101	0	0	AR
1324	33497833	01MAR1991	MR01		3349.80	7833.00	3349.00	7832.26	1	2	0101	0	0	HA
1325	33497833	01MAR1991	MR01		3349.94	7833.30	3349.63	7833.00	1	2	0101	0	0	HB
1326	33497833	01MAR1991	MR01		3349.81	7833.48	3349.24	7833.00	1	2	0101	0	0	HB
1327	33497833	01MAR1991	MR01		3349.76	7833.73	3349.00	7833.11	1	2	0101	0	0	HA
1328	33497833	01MAR1991	MR01		3349.00	7833.96	3348.00	7833.04	1	2	0101	0	0	HA
1329	33497833	01MAR1991	MR01		3349.00	7833.63	3348.21	7833.00	1	2	0101	0	0	NH
1330	33497833	01MAR1991	MR01		3349.86	7833.68	3349.06	7833.00	1	2	0101	0	0	HA
1331	33497833	01MAR1991	MR01		3349.42	7833.00	3349.00	7832.61	1	2	0101	0	0	HA
1332	33497833	01MAR1991	MR01		3349.90	7833.36	3349.42	7833.00	1	2	0101	0	0	HA
1333	33497834	01MAR1991	MR01		3349.24	7834.00	3349.00	7833.82	1	2	0101	0	0	NH
1334	33497834	01MAR1991	MR01		3349.39	7834.00	3349.00	7833.63	1	2	0101	0	0	NH
1335	33497834	01MAR1991	MR01		3349.05	7834.00	3349.00	7833.96	1	2	0101	0	0	NH
1336	33497834	01MAR1991	MR01		3349.65	7834.17	3349.39	7834.00	1	2	0101	0	0	NH
1337	33497834	01MAR1991	MR01		3349.61	7834.25	3349.24	7834.00	1	2	0101	0	0	NH
1338	33497834	01MAR1991	MR01		3349.55	7834.44	3349.05	7834.00	1	2	0101	0	0	NH
1339	33507831	01MAR1991	MR01		3350.00	7831.89	3349.00	7831.14	1	2	0101	0	0	AR
1340	33507831	01MAR1991	MR01		3350.00	7831.83	3349.01	7831.00	1	2	0101	0	0	AR
1341	33507832	01MAR1991	MR01		3350.00	7832.19	3349.81	7832.00	1	2	0101	0	0	AR
1342	33507832	01MAR1991	MR01		3350.20	7832.00	3350.00	7831.83	1	2	0101	0	0	NH
1343	33507832	01MAR1991	MR01		3350.07	7832.00	3350.00	7831.89	1	2	0101	0	0	AR
1344	33507832	01MAR1991	MR01		3350.00	7832.51	3349.40	7832.00	1	2	0101	0	0	AR

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1321		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1322		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1323		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1324		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1325		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1326		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1327		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1328		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1329		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1330		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1331		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1332		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1333		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1334		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1335		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1336		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1337		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1338		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1339		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1340		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1341		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1342		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1343		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1344		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1345	33507832	01MAR1991	MR01		3350.14	7832.44	3350.00	7832.31	1	2	0101	0	0	MH
1346	33507832	01MAR1991	MR01		3350.00	7832.31	3349.65	7832.00	1	2	0101	0	0	AR
1347	33507832	01MAR1991	MR01		3350.24	7832.24	3350.07	7832.00	1	2	0101	0	0	AR
1348	33507832	01MAR1991	MR01		3350.24	7832.37	3350.00	7832.19	1	2	0101	0	0	AR
1349	33507832	01MAR1991	MR01		3350.29	7832.10	3350.20	7832.00	1	2	0101	0	0	MH
1350	33507832	01MAR1991	MR01		3350.11	7832.63	3350.00	7832.51	1	2	0101	0	0	AR
1351	33477834	19FEB1992	MR02		3347.91	7834.00	3347.66	7833.70	1	2	0101	0	0	MH
1352	33477834	19FEB1992	MR02		3347.68	7834.00	3347.64	7833.93	1	2	0101	0	0	MH
1353	33477834	19FEB1992	MR02		3347.59	7834.00	3347.57	7833.95	1	2	0101	0	0	MH
1354	33477835	19FEB1992	MR02		3347.53	7835.00	3347.30	7834.67	1	2	0101	0	0	MH
1355	33477835	19FEB1992	MR02		3347.86	7835.00	3347.40	7834.45	1	2	0101	0	0	MH
1356	33477835	19FEB1992	MR02		3347.00	7835.76	3346.96	7835.71	1	2	0101	0	0	MH
1357	33477835	19FEB1992	MR02		3347.76	7835.00	3347.36	7834.51	1	2	0101	0	0	MH
1358	33477835	19FEB1992	MR02		3347.39	7835.00	3347.22	7834.72	1	2	0101	0	0	MH
1359	33477835	19FEB1992	MR02		3347.00	7835.94	3346.93	7835.87	1	2	0101	0	0	MH
1360	33477836	19FEB1992	MR02		3347.94	7836.00	3347.13	7835.18	1	2	0101	0	0	MH
1361	33477836	19FEB1992	MR02		3347.00	7836.39	3346.80	7836.15	1	2	0101	0	0	MH
1362	33477836	19FEB1992	MR02		3347.06	7836.00	3347.00	7835.94	1	2	0101	0	0	MH
1363	33477836	19FEB1992	MR02		3347.00	7836.12	3346.90	7836.03	1	2	0101	0	0	MH
1364	33477836	19FEB1992	MR02		3347.00	7836.63	3346.75	7836.39	1	2	0101	0	0	MH
1365	33477836	19FEB1992	MR02		3347.64	7836.00	3347.07	7835.50	1	2	0101	0	0	MH
1366	33477836	19FEB1992	MR02		3347.00	7836.28	3346.85	7836.15	1	2	0101	0	0	MH
1367	33477836	19FEB1992	MR02		3347.75	7836.00	3347.10	7835.35	1	2	0101	0	0	MH
1368	33477836	19FEB1992	MR02		3347.46	7836.00	3347.02	7835.63	1	2	0101	0	0	MH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1345		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1346		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1347		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1348		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1349		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1350		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1351		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1352		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1353		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1354		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1355		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1356		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1357		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1358		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1359		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1360		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1361		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1362		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1363		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1364		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1365		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1366		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1367		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1368		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1369	33477836	19FEB1992	MR02		3347.25	7836.00	3347.00	7835.76	1	2	0101	0	0	MH
1370	33477837	19FEB1992	MR02		3347.68	7837.00	3347.00	7836.39	1	2	0101	0	0	MH
1371	33477837	19FEB1992	MR02		3347.83	7837.00	3347.00	7836.28	1	2	0101	0	0	MH
1372	33487832	19FEB1992	MR02		3348.00	7832.92	3347.92	7832.84	1	2	0101	0	0	MH
1373	33487832	19FEB1992	MR02		3348.45	7832.99	3348.00	7832.61	1	2	0101	0	0	MH
1374	33487833	19FEB1992	MR02		3348.00	7833.95	3347.68	7833.67	1	2	0101	0	0	MH
1375	33487833	19FEB1992	MR02		3348.00	7833.47	3347.78	7833.28	1	2	0101	0	0	MH
1376	33487833	19FEB1992	MR02		3348.00	7833.23	3347.83	7833.05	1	2	0101	0	0	MH
1377	33487833	19FEB1992	MR02		3348.09	7833.00	3348.00	7832.92	1	2	0101	0	0	MH
1378	33487833	19FEB1992	MR02		3348.00	7833.65	3347.74	7833.43	1	2	0101	0	0	MH
1379	33487833	19FEB1992	MR02		3348.00	7833.10	3347.87	7832.99	1	2	0101	0	0	MH
1380	33487833	19FEB1992	MR02		3348.29	7833.00	3348.00	7832.74	1	2	0101	0	0	MH
1381	33487833	19FEB1992	MR02		3348.00	7833.72	3347.75	7833.58	1	2	0101	0	0	MH
1382	33487833	19FEB1992	MR02		3348.00	7833.38	3347.78	7833.24	1	2	0101	0	0	MH
1383	33487834	19FEB1992	MR02		3348.50	7834.00	3348.00	7833.47	1	2	0101	0	0	MH
1384	33487834	19FEB1992	MR02		3348.88	7834.00	3348.00	7833.23	1	2	0101	0	0	MH
1385	33487834	19FEB1992	MR02		3348.05	7834.00	3348.00	7833.95	1	2	0101	0	0	MH
1386	33487834	19FEB1992	MR02		3348.66	7834.00	3348.00	7833.38	1	2	0101	0	0	MH
1387	33487834	19FEB1992	MR02		3348.00	7834.64	3347.48	7834.16	1	2	0101	0	0	MH
1388	33487834	19FEB1992	MR02		3348.20	7834.00	3348.00	7833.72	1	2	0101	0	0	MB
1389	33487834	19FEB1992	MR02		3348.00	7834.85	3347.42	7834.33	1	2	0101	0	0	MH
1390	33487834	19FEB1992	MR02		3348.36	7834.00	3348.00	7833.65	1	2	0101	0	0	MH
1391	33487834	19FEB1992	MR02		3348.00	7834.09	3347.91	7834.00	1	2	0101	0	0	MH
1392	33487834	19FEB1992	MR02		3348.00	7834.39	3347.59	7834.00	1	2	0101	0	0	MH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1369		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1370		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1371		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1372		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1373		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1374		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1375		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1376		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1377		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1378		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1379		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1380		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1381		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1382		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1383		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1384		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1385		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1386		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1387		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1388		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1389		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1390		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1391		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1392		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1393	33487835	19FEB1992	MR02		3348.00	7835.71	3347.20	7835.00	1	2	0101	0	0	MH
1394	33487835	19FEB1992	MR02		3348.00	7835.27	3347.76	7835.00	1	2	0101	0	0	MH
1395	33487835	19FEB1992	MR02		3348.67	7835.00	3348.00	7834.39	1	2	0101	0	0	MB
1396	33487835	19FEB1992	MR02		3348.16	7835.00	3348.00	7834.85	1	2	0101	0	0	MH
1397	33487835	19FEB1992	MR02		3348.00	7835.00	3347.42	7834.36	1	2	0101	0	0	MH
1398	33487835	19FEB1992	MR02		3348.00	7835.42	3347.53	7835.00	1	2	0101	0	0	MH
1399	33487835	19FEB1992	MR02		3348.00	7835.07	3347.86	7835.00	1	2	0101	0	0	MH
1400	33487835	19FEB1992	MR02		3348.00	7835.56	3347.39	7835.00	1	2	0101	0	0	MH
1401	33487835	19FEB1992	MR02		3348.80	7835.00	3348.00	7834.27	1	2	0101	0	0	MH
1402	33487835	19FEB1992	MR02		3348.00	7835.88	3347.15	7835.11	1	2	0101	0	0	MH
1403	33487835	19FEB1992	MR02		3348.34	7835.00	3348.00	7834.64	1	2	0101	0	0	MH
1404	33487836	19FEB1992	MR02		3348.30	7836.00	3348.00	7835.71	1	2	0101	0	0	MH
1405	33487836	19FEB1992	MR02		3348.12	7836.00	3348.00	7835.88	1	2	0101	0	0	MH
1406	33487836	19FEB1992	MR02		3348.97	7836.29	3348.64	7836.00	1	2	0101	0	0	MH
1407	33487836	19FEB1992	MR02		3348.80	7836.47	3348.30	7836.00	1	2	0101	0	0	MH
1408	33487836	19FEB1992	MR02		3348.80	7836.00	3348.00	7835.27	1	2	0101	0	0	MH
1409	33487836	19FEB1992	MR02		3348.80	7836.78	3348.00	7836.05	1	2	0101	0	0	MH
1410	33487836	19FEB1992	MR02		3348.00	7836.05	3347.94	7836.00	1	2	0101	0	0	MH
1411	33487836	19FEB1992	MR02		3348.83	7836.69	3348.12	7836.00	1	2	0101	0	0	MH
1412	33487836	19FEB1992	MR02		3348.75	7836.94	3348.00	7836.22	1	2	0101	0	0	MH
1413	33487836	19FEB1992	MR02		3348.00	7836.22	3347.75	7836.00	1	2	0101	0	0	MH
1414	33487836	19FEB1992	MR02		3348.46	7836.00	3348.00	7835.56	1	2	0101	0	0	MH
1415	33487836	19FEB1992	MR02		3348.00	7836.73	3347.25	7836.00	1	2	0101	0	0	MH
1416	33487836	19FEB1992	MR02		3348.00	7836.83	3347.06	7836.00	1	2	0101	0	0	MH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1393		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1394		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1395		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1396		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1397		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1398		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1399		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1400		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1401		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1402		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1403		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1404		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1405		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1406		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1407		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1408		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1409		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1410		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1411		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1412		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1413		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1414		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1415		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1416		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1417	33487836	19FEB1992	MR02		3348.00	7836.32	3347.64	7836.00	1	2	0101	0	0	NH
1418	33487836	19FEB1992	MR02		3348.00	7836.50	3347.46	7836.00	1	2	0101	0	0	NH
1419	33487836	19FEB1992	MR02		3348.64	7836.00	3348.00	7835.42	1	2	0101	0	0	NH
1420	33487837	19FEB1992	MR02		3348.36	7837.00	3348.00	7836.73	1	2	0101	0	0	NH
1421	33487837	19FEB1992	MR02		3348.68	7837.15	3348.49	7837.00	1	2	0101	0	0	NH
1422	33487837	19FEB1992	MR02		3348.49	7837.00	3348.00	7836.50	1	2	0101	0	0	NH
1423	33487837	19FEB1992	MR02		3348.64	7837.27	3348.36	7837.00	1	2	0101	0	0	NH
1424	33487837	19FEB1992	MR02		3348.72	7837.02	3348.68	7837.00	1	2	0101	0	0	NH
1425	33487837	19FEB1992	MR02		3348.00	7837.00	3347.00	7836.12	1	2	0101	0	0	NH
1426	33487837	19FEB1992	MR02		3348.45	7837.71	3348.00	7837.35	1	2	0101	0	0	NH
1427	33487837	19FEB1992	MR02		3348.00	7837.70	3347.29	7837.00	1	2	0101	0	0	NH
1428	33487837	19FEB1992	MR02		3348.53	7837.54	3348.00	7837.00	1	2	0101	0	0	NH
1429	33487837	19FEB1992	MR02		3348.60	7837.40	3348.18	7837.00	1	2	0101	0	0	NH
1430	33487837	19FEB1992	MR02		3348.00	7837.35	3347.68	7837.00	1	2	0101	0	0	NH
1431	33487837	19FEB1992	MR02		3348.00	7837.18	3347.83	7837.00	1	2	0101	0	0	NH
1432	33487837	19FEB1992	MR02		3348.18	7837.00	3348.00	7836.83	1	2	0101	0	0	NH
1433	33487837	19FEB1992	MR02		3348.68	7837.00	3348.00	7836.32	1	2	0101	0	0	NH
1434	33487837	19FEB1992	MR02		3348.53	7837.64	3348.00	7837.18	1	2	0101	0	0	NH
1435	33487837	19FEB1992	MR02		3348.43	7837.85	3348.00	7837.50	1	2	0101	0	0	NH
1436	33487933	19FEB1992	MR02		3348.80	7833.00	3348.10	7832.30	1	2	0101	0	0	NH
1437	33487936	19FEB1992	MR02		3348.96	7836.46	3348.46	7836.00	1	2	0101	0	0	NH
1438	33497833	19FEB1992	MR02		3349.00	7833.66	3348.29	7833.00	1	2	0101	0	0	NH
1439	33497833	19FEB1992	MR02		3349.00	7833.51	3348.45	7832.99	1	2	0101	0	0	NH
1440	33497833	19FEB1992	MR02		3349.00	7833.81	3348.09	7833.00	1	2	0101	0	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1417		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1418		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1419		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1420		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1421		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1422		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1423		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1424		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1425		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1426		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1427		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1428		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1429		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1430		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1431		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1432		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1433		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1434		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1435		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1436		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1437		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1438		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1439		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1440		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1441	33497833	19FEB1992	MR02		3349.20	7833.99	3349.00	7833.81	1	2	0101	0	0	NH
1442	33497833	19FEB1992	MR02		3349.00	7833.35	3348.60	7833.00	1	2	0101	0	0	NH
1443	33497834	19FEB1992	MR02		3349.00	7834.83	3348.05	7834.00	1	2	0101	0	0	NH
1444	33497834	19FEB1992	MR02		3349.59	7834.45	3349.20	7833.99	1	2	0101	0	0	NH
1445	33497834	19FEB1992	MR02		3349.43	7834.95	3349.00	7834.55	1	2	0101	0	0	NH
1446	33497834	19FEB1992	MR02		3349.54	7834.61	3349.00	7834.09	1	2	0101	0	0	NH
1447	33497834	19FEB1992	MR02		3349.00	7834.55	3348.36	7834.00	1	2	0101	0	0	NH
1448	33497834	19FEB1992	MR02		3349.00	7834.71	3348.20	7834.00	1	2	0101	0	0	NH
1449	33497834	19FEB1992	MR02		3349.00	7834.09	3348.88	7834.00	1	2	0101	0	0	NH
1450	33497834	19FEB1992	MR02		3349.00	7834.47	3348.50	7834.00	1	2	0101	0	0	NH
1451	33497834	19FEB1992	MR02		3349.47	7834.84	3349.00	7834.47	1	2	0101	0	0	NH
1452	33497834	19FEB1992	MR02		3349.54	7834.75	3349.00	7834.28	1	2	0101	0	0	NH
1453	33497834	19FEB1992	MR02		3349.00	7834.28	3348.66	7834.00	1	2	0101	0	0	NH
1454	33497834	19FEB1992	MR02		3349.61	7834.48	3349.00	7834.00	1	2	0101	0	0	NH
1455	33497834	19FEB1992	MR02		3349.32	7834.00	3349.00	7833.66	1	2	0101	0	0	NH
1456	33497834	19FEB1992	MR02		3349.67	7834.29	3349.32	7834.00	1	2	0101	0	0	NH
1457	33497834	19FEB1992	MR02		3349.72	7834.16	3349.50	7834.00	1	2	0101	0	0	NH
1458	33497834	19FEB1992	MR02		3349.50	7834.00	3349.00	7833.51	1	2	0101	0	0	NH
1459	33497834	19FEB1992	MR02		3349.78	7834.07	3349.69	7834.00	1	2	0101	0	0	NH
1460	33497834	19FEB1992	MR02		3349.69	7834.00	3349.00	7833.35	1	2	0101	0	0	NH
1461	33497834	19FEB1992	MR02		3349.00	7834.00	3348.00	7833.10	1	2	0101	0	0	NH
1462	33497835	19FEB1992	MR02		3349.00	7835.74	3348.16	7835.00	1	2	0101	0	0	NH
1463	33497835	19FEB1992	MR02		3349.00	7835.91	3348.00	7835.00	1	2	0101	0	0	NH
1464	33497835	19FEB1992	MR02		3349.00	7835.30	3348.67	7835.00	1	2	0101	0	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1441		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1442		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1443		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1444		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1445		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1446		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1447		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1448		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1449		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1450		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1451		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1452		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1453		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1454		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1455		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1456		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1457		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1458		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1459		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1460		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1461		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1462		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1463		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1464		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1465	33497835	19FEB1992	MR02		3349.00	7835.00	3348.00	7834.09	1	2	0101	0	0	NH
1466	33497835	19FEB1992	MR02		3349.19	7835.59	3349.00	7835.44	1	2	0101	0	0	NH
1467	33497835	19FEB1992	MR02		3349.38	7835.08	3349.28	7835.00	1	2	0101	0	0	NH
1468	33497835	19FEB1992	MR02		3349.27	7835.39	3349.00	7835.16	1	2	0101	0	0	NH
1469	33497835	19FEB1992	MR02		3349.28	7835.00	3349.00	7834.71	1	2	0101	0	0	NH
1470	33497835	19FEB1992	MR02		3349.22	7835.59	3349.00	7835.30	1	2	0101	0	0	NH
1471	33497835	19FEB1992	MR02		3349.15	7835.00	3349.00	7834.83	1	2	0101	0	0	NH
1472	33497835	19FEB1992	MR02		3349.00	7835.59	3348.34	7835.00	1	2	0101	0	0	NH
1473	33497835	19FEB1992	MR02		3349.00	7835.16	3348.80	7835.00	1	2	0101	0	0	NH
1474	33497835	19FEB1992	MR02		3349.14	7835.80	3349.00	7835.74	1	2	0101	0	0	NH
1475	33497835	19FEB1992	MR02		3349.14	7835.81	3349.00	7835.59	1	2	0101	0	0	NH
1476	33497835	19FEB1992	MR02		3349.00	7835.44	3348.50	7835.00	1	2	0101	0	0	NH
1477	33497835	19FEB1992	MR02		3349.30	7835.30	3349.00	7835.00	1	2	0101	0	0	NH
1478	33497835	19FEB1992	MR02		3349.38	7835.19	3349.15	7835.00	1	2	0101	0	0	NH
1479	33497836	19FEB1992	MR02		3349.05	7836.02	3349.00	7836.00	1	2	0101	0	0	NH
1480	33497836	19FEB1992	MR02		3349.00	7836.00	3348.00	7835.07	1	2	0101	0	0	NH
1481	33497836	19FEB1992	MR02		3349.12	7836.00	3349.00	7835.91	1	2	0101	0	0	NH
1482	33497836	19FEB1992	MR02		3349.00	7836.23	3348.80	7836.00	1	2	0101	0	0	NH
1483	33497934	19FEB1992	MR02		3349.86	7834.00	3349.00	7833.19	1	2	0101	0	0	NH
1484	33137911	01JUN1983	MR03	CH01	3313.20	7911.35	0.00	0.00	1	0	GR02	8	0	NH
1485	33117908	01JUN1983	MR03	CH02	3311.57	7908.00	0.00	0.00	1	0	GR02	10	0	NH
1486	33127907	01JAN1983	MR03	CS02	3312.17	7907.05	0.00	0.00	1	0	GR02	10	0	NH
1487	33127907	01JUN1983	MR03	CS02	3312.17	7907.05	0.00	0.00	1	0	GR02	10	0	NH
1488	33127906	01JUN1983	MR03	CS05	3312.17	7906.62	0.00	0.00	1	0	GR02	0	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1465		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1466		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1467		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1468		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1469		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1470		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1471		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1472		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1473		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1474		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1475		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1476		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1477		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1478		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1479		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1480		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1481		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1482		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1483		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1484		99.9	0.06	0.00	3.5	1.58	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1485		54.7	20.09	25.19	16.4	3.73	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1486		99.4	0.00	0.00	6.0	0.83	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1487		99.4	0.60	0.00	6.0	0.83	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1488		99.9	0.02	0.00	7.3	0.78	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1489	33117906	01JUN1983	MR03	CS09	3311.92	7906.17	0.00	0.00	1	0	GR02	0	0	MM
1490	33127905	01JUN1983	MR03	CS11	3312.17	7905.73	0.00	0.00	1	0	GR02	0	0	MM
1491	33127905	01JUN1983	MR03	CS13	3312.42	7905.30	0.00	0.00	1	0	GR02	11	0	MM
1492	33107906	01JUN1983	MR03	DC01	3310.28	7906.92	0.00	0.00	1	0	GR02	10	0	MM
1493	33097907	01JUN1983	MR03	DC02	3309.53	7907.47	0.00	0.00	1	0	GR02	7	0	MM
1494	33107907	01JUN1983	MR03	DS03	3310.72	7907.23	0.00	0.00	1	0	GR02	8	0	MM
1495	33107907	01JAN1983	MR03	DS03	3310.72	7907.23	0.00	0.00	1	0	GR02	8	0	MM
1496	33107906	01JAN1983	MR03	DS06	3310.72	7906.80	0.00	0.00	1	0	GR02	0	0	MM
1497	33107906	01JUN1983	MR03	DS06	3310.72	7906.80	0.00	0.00	1	0	GR02	0	0	MM
1498	33107906	01JUN1983	MR03	DS08	3310.97	7906.37	0.00	0.00	1	0	GR02	0	0	MM
1499	33107906	01JAN1983	MR03	DS08	3310.97	7906.37	0.00	0.00	1	0	GR02	0	0	MM
1500	33117905	01JUL1983	MR03	DS10	3311.22	7905.92	0.00	0.00	1	0	GR02	0	0	MM
1501	33117905	01JUN1983	MR03	DS10	3311.22	7905.92	0.00	0.00	1	0	GR02	0	0	MM
1502	33117905	01JAN1983	MR03	DS13	3311.22	7905.48	0.00	0.00	1	0	GR02	11	0	MM
1503	33117905	01JUN1983	MR03	DS13	3311.22	7905.48	0.00	0.00	1	0	GR02	12	0	MM
1504	32397947	01JUN1987	MR06	DS01	3239.63	7947.43	0.00	0.00	1	0	GR01	12	0	MM
1505	32397947	01JAN1987	MR06	DS01	3239.63	7947.43	0.00	0.00	1	0	GR01	12	0	MM
1506	32397947	01JUN1987	MR06	DS02	3239.60	7947.00	0.00	0.00	1	0	GR01	0	0	MM
1507	32397947	01JAN1987	MR06	DS02	3239.60	7947.00	0.00	0.00	1	0	GR01	0	0	MM
1508	32397946	01JUN1987	MR06	DS03	3239.17	7946.18	0.00	0.00	1	0	GR01	14	0	MM
1509	32397946	01JAN1987	MR06	DS03	3239.17	7946.18	0.00	0.00	1	0	GR01	15	0	MM
1510	32387945	01JAN1987	MR06	DS04	3238.80	7945.75	0.00	0.00	1	0	GR01	0	0	MM
1511	32387945	01JUN1987	MR06	DS04	3238.80	7945.75	0.00	0.00	1	0	GR01	0	0	MM
1512	32387945	01JAN1987	MR06	DS05	3238.82	7945.30	0.00	0.00	1	0	GR01	14	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1489		99.5	0.54	0.00	10.9	0.60	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1490		83.7	6.42	9.92	10.7	1.13	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1491		99.9	0.15	0.00	10.1	0.83	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1492		99.1	0.89	0.00	9.7	1.89	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1493		99.9	0.12	0.00	6.3	1.03	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1494		99.7	0.26	0.00	15.0	0.16	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1495		99.7	0.00	0.00	15.0	0.16	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1496		99.9	0.00	0.00	6.2	0.91	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1497		99.9	0.04	0.00	6.2	0.91	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1498		99.3	0.67	0.00	8.4	0.86	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1499		99.3	0.00	0.00	8.4	0.86	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1500		99.9	0.00	0.00	5.3	0.80	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1501		99.9	0.01	0.00	5.3	0.80	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1502		99.9	0.00	0.00	4.7	0.84	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1503		99.9	0.01	0.00	4.7	0.84	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1504		98.4	1.57	0.00	7.3	2.56	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1505		94.8	5.21	0.00	6.4	2.48	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1506		97.7	2.28	0.00	14.1	2.62	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1507		95.9	4.08	0.00	11.6	2.60	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1508		97.7	2.34	0.00	8.7	2.76	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1509		97.8	2.25	0.00	9.8	2.74	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1510		98.0	1.98	0.00	10.4	2.63	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1511		97.7	2.21	0.00	10.0	2.63	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1512		98.4	1.57	0.00	12.7	2.68	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL		STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1537	32407949	01JUN1987	MR06	OP01		3240.10	7949.13	0.00	0.00	1	0	GR01	9	0	NN
1538	32407949	01JAN1987	MR06	OP01		3240.10	7949.13	0.00	0.00	1	0	GR01	0	0	NN
1539	32417947	01JUN1987	MR06	OP02		3241.18	7947.68	0.00	0.00	1	0	GR01	0	0	NN
1540	32417947	01JAN1987	MR06	OP02		3241.18	7947.68	0.00	0.00	1	0	GR01	0	0	NN
1541	32407945	01JAN1987	MR06	OP03		3240.70	7945.70	0.00	0.00	1	0	GR01	10	0	NN
1542	32407945	01JUN1987	MR06	OP03		3240.70	7945.70	0.00	0.00	1	0	GR01	10	0	NN
1543	32377946	01JUN1987	MR06	OP07		3237.72	7946.60	0.00	0.00	1	0	GR01	14	0	NN
1544	32377946	01JAN1987	MR06	OP07		3237.72	7946.60	0.00	0.00	1	0	GR01	13	0	NN
1545	32387948	01JAN1987	MR06	OP08		3238.53	7948.23	0.00	0.00	1	0	GR01	0	0	NN
1546	32387948	01JUN1987	MR06	OP08		3238.53	7948.23	0.00	0.00	1	0	GR01	0	0	NN
1547	32427944	23OCT1973	MR08		73347	3242.00	7944.00	0.00	0.00	2	1	FT01	11	0	PH
1548	32417940	05NOV1973	MR08		73404	3241.00	7940.00	0.00	0.00	2	1	FT01	12	0	MB
1549	33137905	13NOV1973	MR08		73417	3313.00	7905.00	0.00	0.00	2	1	FT01	9	0	NN
1550	33127906	13NOV1973	MR08		73418	3312.00	7906.00	0.00	0.00	2	1	FT01	9	0	NN
1551	33407844	13NOV1973	MR08		73419	3340.00	7844.00	0.00	0.00	2	1	FT01	9	0	MB
1552	33207903	18APR1974	MR08		74104	3320.00	7903.00	0.00	0.00	2	1	FT01	10	0	NN
1553	32128022	16AUG1974	MR08		74182	3212.50	8022.50	0.00	0.00	2	1	FT01	11	0	PH
1554	33237856	01SEP1974	MR08		74254	3323.50	7856.00	0.00	0.00	2	1	FT01	9	0	NN
1555	33317853	22JAN1975	MR08		75036	3331.50	7853.00	0.00	0.00	2	1	FT01	9	0	NN
1556	32128024	25JAN1975	MR08		75045	3212.50	8024.00	0.00	0.00	2	1	FT01	13	0	NN
1557	33317848	04APR1975	MR08		75104	3331.00	7848.50	0.00	0.00	2	1	FT01	11	0	PH
1558	33217859	05SEP1976	MR08		76347	3321.80	7859.60	0.00	0.00	2	1	FT01	11	0	NN
1559	32138023	15FEB1977	MR08		77042	3213.20	8023.70	0.00	0.00	2	1	FT01	11	0	NN
1560	32467942	15JUL1980	MR08		801001	3246.70	7942.30	0.00	0.00	1	1	FT03	8	0	NN

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1537		85.3	10.54	0.00	42.8	0.94	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1538		94.8	3.72	0.00	57.0	0.84	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1539		98.0	2.01	0.00	13.1	2.56	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1540		98.3	1.69	0.00	12.9	2.65	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1541		98.2	1.77	0.00	28.0	1.85	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1542		98.0	2.01	0.00	30.6	2.04	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1543		98.4	1.59	0.00	5.6	2.39	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1544		98.8	1.21	0.00	6.8	2.31	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1545		98.6	1.40	0.00	7.1	2.60	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1546		98.4	1.57	0.00	6.0	2.57	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1547		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1548		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1549		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1550		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1551		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1552		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1553		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1554		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1555		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1556		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1557		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1558		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1559		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1560		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1561	32477941	15JUL1980	MR08	801002	3247.60	7941.40	0.00	0.00	1	1	FT03	7	0	MM
1562	32497940	15JUL1980	MR08	801003	3249.20	7940.00	0.00	0.00	1	1	FT03	7	0	MM
1563	32507938	15JUL1980	MR08	801004	3250.00	7938.70	0.00	0.00	1	1	FT03	6	0	MM
1564	32507939	15JUL1980	MR08	801005	3250.50	7939.00	0.00	0.00	1	1	FT03	7	0	MM
1565	32497940	15JUL1980	MR08	801006	3249.40	7940.00	0.00	0.00	1	1	FT03	6	0	MM
1566	32507937	16JUL1980	MR08	801007	3250.30	7937.50	0.00	0.00	1	1	FT03	6	0	MM
1567	32507936	16JUL1980	MR08	801008	3250.20	7936.90	0.00	0.00	1	1	FT03	6	0	MM
1568	32477935	16JUL1980	MR08	801009	3247.50	7935.00	0.00	0.00	1	1	FT03	12	0	MM
1569	32467934	16JUL1980	MR08	801010	3246.50	7934.10	0.00	0.00	1	1	FT03	11	0	MM
1570	32537931	16JUL1980	MR08	801019	3253.30	7931.00	0.00	0.00	1	1	FT03	8	0	MM
1571	32547929	16JUL1980	MR08	801020	3254.50	7929.80	0.00	0.00	1	1	FT03	8	0	PM
1572	32557929	16JUL1980	MR08	801021	3255.40	7929.50	0.00	0.00	1	1	FT03	6	0	MM
1573	32567928	16JUL1980	MR08	801022	3256.60	7928.70	0.00	0.00	1	1	FT03	6	0	MM
1574	32347956	17JUL1980	MR08	801028	3234.30	7956.40	0.00	0.00	1	1	FT03	11	0	PM
1575	32347956	17JUL1980	MR08	801029	3234.60	7956.80	0.00	0.00	1	1	FT03	12	0	MM
1576	32347957	17JUL1980	MR08	801030	3234.00	7957.20	0.00	0.00	1	1	FT03	10	0	MM
1577	32357957	17JUL1980	MR08	801031	3235.60	7957.50	0.00	0.00	1	1	FT03	6	0	MM
1578	32377956	17JUL1980	MR08	801032	3237.00	7956.40	0.00	0.00	1	1	FT03	4	0	MM
1579	32367956	18JUL1980	MR08	801033	3236.60	7956.40	0.00	0.00	1	1	FT03	6	0	MM
1580	32357957	18JUL1980	MR08	801034	3235.80	7957.40	0.00	0.00	1	1	FT03	5	0	MM
1581	32387951	18JUL1980	MR08	801035	3238.70	7951.80	0.00	0.00	1	1	FT03	8	0	MM
1582	32397951	18JUL1980	MR08	801036	3239.60	7951.20	0.00	0.00	1	1	FT03	6	0	MM
1583	32407950	18JUL1980	MR08	801037	3240.40	7950.90	0.00	0.00	1	1	FT03	6	0	MM
1584	32427950	18JUL1980	MR08	801038	3242.00	7950.60	0.00	0.00	1	1	FT03	4	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1561		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1562		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1563		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1564		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1565		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1566		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1567		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1568		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1569		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1570		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1571		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1572		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1573		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1574		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1575		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1576		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1577		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1578		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1579		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1580		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1581		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1582		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1583		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1584		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1585	32557925	21JUL1980	MR08	801040	3255.50	7925.20	0.00	0.00	1	1	FT03	8	0	MM
1586	32597925	21JUL1980	MR08	801041	3259.00	7925.20	0.00	0.00	1	1	FT03	5	0	MM
1587	32597924	21JUL1980	MR08	801042	3259.20	7924.40	0.00	0.00	1	1	FT03	5	0	MM
1588	32597927	22JUL1980	MR08	801043	3259.00	7927.20	0.00	0.00	1	1	FT03	5	0	MM
1589	32587928	22JUL1980	MR08	801044	3258.40	7928.00	0.00	0.00	1	1	FT03	5	0	MM
1590	33027916	22JUL1980	MR08	801048	3302.70	7916.50	0.00	0.00	1	1	FT03	8	0	MM
1591	33037916	22JUL1980	MR08	801049	3303.50	7916.60	0.00	0.00	1	1	FT03	8	0	MM
1592	33047917	22JUL1980	MR08	801050	3304.60	7917.20	0.00	0.00	1	1	FT03	7	0	MM
1593	33057909	22JUL1980	MR08	801053	3305.70	7909.90	0.00	0.00	1	1	FT03	8	0	MM
1594	33057910	22JUL1980	MR08	801054	3305.80	7910.90	0.00	0.00	1	1	FT03	8	0	MM
1595	33077911	22JUL1980	MR08	801055	3307.80	7911.90	0.00	0.00	1	1	FT03	6	0	MM
1596	33067912	22JUL1980	MR08	801056	3306.40	7912.90	0.00	0.00	1	1	FT03	8	0	MM
1597	33107909	23JUL1980	MR08	801057	3310.10	7909.00	0.00	0.00	1	1	FT03	6	0	MM
1598	33107907	23JUL1980	MR08	801058	3310.90	7907.80	0.00	0.00	1	1	FT03	6	0	MM
1599	33087901	23JUL1980	MR08	801059	3308.00	7901.40	0.00	0.00	1	1	FT03	13	0	MM
1600	33197900	23JUL1980	MR08	801065	3319.80	7900.90	0.00	0.00	1	1	FT03	12	0	MM
1601	33207901	23JUL1980	MR08	801066	3320.90	7901.60	0.00	0.00	1	1	FT03	13	0	MM
1602	33167908	23JUL1980	MR08	801067	3316.60	7908.20	0.00	0.00	1	1	FT03	10	0	PM
1603	33177908	23JUL1980	MR08	801068	3317.60	7908.90	0.00	0.00	1	1	FT03	6	0	MM
1604	33177908	23JUL1980	MR08	801069	3317.90	7908.60	0.00	0.00	1	1	FT03	6	0	MM
1605	33237904	24JUL1980	MR08	801074	3323.50	7904.20	0.00	0.00	1	1	FT03	9	0	MM
1606	33257905	24JUL1980	MR08	801075	3325.80	7905.70	0.00	0.00	1	1	FT03	7	0	MB
1607	33267905	24JUL1980	MR08	801076	3326.60	7905.60	0.00	0.00	1	1	FT03	6	0	MB
1608	33277904	24JUL1980	MR08	801077	3327.20	7904.50	0.00	0.00	1	1	FT03	8	0	MB

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1585		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1586		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1587		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1588		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1589		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1590		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1591		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1592		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1593		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1594		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1595		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1596		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1597		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1598		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1599		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1600		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1601		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1602		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1603		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1604		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1605		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1606		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1607		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1608		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1609	33277903	24JUL1980	MR08	801078	3327.80	7903.80	0.00	0.00	1	1	FT03	8	0	PH
1610	33287903	24JUL1980	MR08	801079	3328.40	7903.90	0.00	0.00	1	1	FT03	9	0	NH
1611	33297903	24JUL1980	MR08	801080	3329.40	7903.10	0.00	0.00	1	1	FT03	10	0	NH
1612	33267855	25JUL1980	MR08	801081	3326.40	7855.60	0.00	0.00	1	1	FT03	13	0	NH
1613	33257855	25JUL1980	MR08	801082	3325.20	7855.90	0.00	0.00	1	1	FT03	12	0	NH
1614	33347859	28JUL1980	MR08	801083	3334.20	7859.10	0.00	0.00	1	1	FT03	8	0	PH
1615	33347858	28JUL1980	MR08	801084	3334.40	7858.90	0.00	0.00	1	1	FT03	8	0	PH
1616	33357855	29JUL1980	MR08	801085	3335.80	7855.60	0.00	0.00	1	1	FT03	11	0	PH
1617	33357854	29JUL1980	MR08	801086	3335.80	7854.80	0.00	0.00	1	1	FT03	11	0	MB
1618	33407842	29JUL1980	MR08	801089	3340.50	7842.90	0.00	0.00	1	1	FT03	14	0	NH
1619	33417841	29JUL1980	MR08	801090	3341.40	7841.90	0.00	0.00	1	1	FT03	14	0	NH
1620	33437838	29JUL1980	MR08	801091	3343.30	7838.40	0.00	0.00	1	1	FT03	14	0	MB
1621	33447836	29JUL1980	MR08	801092	3344.00	7836.70	0.00	0.00	1	1	FT03	14	0	MB
1622	33447846	29JUL1980	MR08	801093	3344.10	7846.40	0.00	0.00	1	1	FT03	9	0	NH
1623	33437845	29JUL1980	MR08	801094	3343.60	7845.30	0.00	0.00	1	1	FT03	8	0	NH
1624	33447844	29JUL1980	MR08	801095	3344.10	7844.90	0.00	0.00	1	1	FT03	9	0	PH
1625	33447844	29JUL1980	MR08	801096	3344.80	7844.20	0.00	0.00	1	1	FT03	9	0	NH
1626	33497834	29JUL1980	MR08	801097	3349.80	7834.80	0.00	0.00	1	1	FT03	8	0	NH
1627	33497833	29JUL1980	MR08	801098	3349.90	7833.90	0.00	0.00	1	1	FT03	8	0	NH
1628	33497833	30JUL1980	MR08	801099	3349.70	7833.30	0.00	0.00	1	1	FT03	9	0	NH
1629	33497832	30JUL1980	MR08	801100	3349.90	7832.20	0.00	0.00	1	1	FT03	10	0	NH
1630	33517830	30JUL1980	MR08	801101	3351.00	7830.80	0.00	0.00	1	1	FT03	9	0	NH
1631	33517829	30JUL1980	MR08	801102	3351.40	7829.70	0.00	0.00	1	1	FT03	9	0	NH
1632	33527825	30JUL1980	MR08	801103	3352.60	7825.60	0.00	0.00	1	1	FT03	10	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIC
1609		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1610		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1611		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1612		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1613		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1614		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1615		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1616		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1617		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1618		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1619		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1620		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1621		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1622		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1623		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1624		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1625		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1626		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1627		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1628		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1629		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1630		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1631		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1632		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1633	33527824	30JUL1980	MR08	801104	3352.90	7824.40	0.00	0.00	1	1	FT03	9	0	MM
1634	33537822	30JUL1980	MR08	801111	3353.10	7822.80	0.00	0.00	1	1	FT03	8	0	MM
1635	33537821	30JUL1980	MR08	801112	3353.20	7821.40	0.00	0.00	1	1	FT03	9	0	MM
1636	32387948	04AUG1980	MR08	801131	3238.30	7948.90	0.00	0.00	1	1	FT03	12	0	MM
1637	32377949	04AUG1980	MR08	801132	3237.80	7949.40	0.00	0.00	1	1	FT03	12	0	MM
1638	32348000	04AUG1980	MR08	801133	3234.70	8000.80	0.00	0.00	1	1	FT03	5	0	MM
1639	32348001	04AUG1980	MR08	801134	3234.70	8001.60	0.00	0.00	1	1	FT03	6	0	MM
1640	32348003	05AUG1980	MR08	801135	3234.40	8003.60	0.00	0.00	1	1	FT03	6	0	MM
1641	32338003	05AUG1980	MR08	801136	3233.80	8003.00	0.00	0.00	1	1	FT03	8	0	MM
1642	32328004	05AUG1980	MR08	801137	3232.80	8004.60	0.00	0.00	1	1	FT03	7	0	MM
1643	32338005	05AUG1980	MR08	801138	3233.70	8005.10	0.00	0.00	1	1	FT03	8	0	MM
1644	32338006	05AUG1980	MR08	801139	3233.30	8006.50	0.00	0.00	1	1	FT03	6	0	MM
1645	32328006	05AUG1980	MR08	801140	3232.50	8006.90	0.00	0.00	1	1	FT03	6	0	MM
1646	32308011	05AUG1980	MR08	801143	3230.00	8011.10	0.00	0.00	1	1	FT03	9	0	MM
1647	32308012	05AUG1980	MR08	801144	3230.60	8012.30	0.00	0.00	1	1	FT03	7	0	MM
1648	32308012	05AUG1980	MR08	801145	3230.50	8012.90	0.00	0.00	1	1	FT03	7	0	MM
1649	32308014	05AUG1980	MR08	801146	3230.40	8014.00	0.00	0.00	1	1	FT03	7	0	MM
1650	32298015	06AUG1980	MR08	801147	3229.70	8015.40	0.00	0.00	1	1	FT03	6	0	MM
1651	32288015	06AUG1980	MR08	801148	3228.60	8015.90	0.00	0.00	1	1	FT03	8	0	MM
1652	32278016	06AUG1980	MR08	801149	3227.70	8016.40	0.00	0.00	1	1	FT03	8	0	MM
1653	32268016	06AUG1980	MR08	801150	3226.60	8016.20	0.00	0.00	1	1	FT03	9	0	MM
1654	32238014	06AUG1980	MR08	801151	3223.20	8014.50	0.00	0.00	1	1	FT03	13	0	PM
1655	32218015	06AUG1980	MR08	801152	3221.80	8015.00	0.00	0.00	1	1	FT03	11	0	MM
1656	32188015	06AUG1980	MR08	801153	3218.70	8015.70	0.00	0.00	1	1	FT03	14	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1633		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1634		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1635		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1636		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1637		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1638		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1639		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1640		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1641		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1642		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1643		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1644		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1645		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1646		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1647		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1648		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1649		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1650		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1651		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1652		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1653		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1654		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1655		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1656		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1657	32188015	06AUG1980	MR08	801154	3218.10	8015.00	0.00	0.00	1	1	FT03	14	0	MM
1658	32208019	06AUG1980	MR08	801155	3220.30	8019.40	0.00	0.00	1	1	FT03	12	0	MM
1659	32208020	06AUG1980	MR08	801156	3220.90	8020.80	0.00	0.00	1	1	FT03	7	0	MM
1660	32198020	06AUG1980	MR08	801157	3219.50	8020.80	0.00	0.00	1	1	FT03	8	0	MM
1661	32188021	06AUG1980	MR08	801158	3218.60	8021.20	0.00	0.00	1	1	FT03	10	0	MM
1662	32188022	06AUG1980	MR08	801159	3218.40	8022.30	0.00	0.00	1	1	FT03	7	0	MM
1663	32178023	06AUG1980	MR08	801160	3217.60	8023.10	0.00	0.00	1	1	FT03	11	0	MM
1664	32178028	07AUG1980	MR08	801161	3217.00	8028.90	0.00	0.00	1	1	FT03	6	0	MM
1665	32168030	07AUG1980	MR08	801162	3216.50	8030.00	0.00	0.00	1	1	FT03	6	0	MM
1666	32148029	07AUG1980	MR08	801163	3214.30	8029.20	0.00	0.00	1	1	FT03	10	0	MM
1667	32138030	07AUG1980	MR08	801164	3213.50	8030.20	0.00	0.00	1	1	FT03	9	0	MM
1668	32138031	07AUG1980	MR08	801165	3213.50	8031.80	0.00	0.00	1	1	FT03	6	0	MM
1669	32128031	07AUG1980	MR08	801166	3212.70	8031.70	0.00	0.00	1	1	FT03	6	0	MM
1670	32128030	07AUG1980	MR08	801167	3212.30	8030.40	0.00	0.00	1	1	FT03	10	0	MM
1671	32118029	07AUG1980	MR08	801168	3211.80	8029.50	0.00	0.00	1	1	FT03	12	0	MM
1672	32058044	07AUG1980	MR08	801171	3205.20	8044.00	0.00	0.00	1	1	FT03	8	0	MM
1673	32068044	07AUG1980	MR08	801172	3206.60	8044.80	0.00	0.00	1	1	FT03	6	0	MM
1674	32377950	28APR1981	MR08	810041	3237.80	7950.60	0.00	0.00	1	1	FT03	11	0	MM
1675	32387951	28APR1981	MR08	810042	3238.00	7951.60	0.00	0.00	1	1	FT03	11	0	MM
1676	32377955	28APR1981	MR08	810043	3237.10	7955.10	0.00	0.00	1	1	FT03	8	0	MM
1677	32377956	28APR1981	MR08	810044	3237.10	7956.00	0.00	0.00	1	1	FT03	8	0	MM
1678	32367956	28APR1981	MR08	810045	3236.50	7956.80	0.00	0.00	1	1	FT03	6	0	MM
1679	32357955	28APR1981	MR08	810046	3235.90	7955.90	0.00	0.00	1	1	FT03	10	0	MM
1680	32357956	29APR1981	MR08	810047	3235.30	7956.90	0.00	0.00	1	1	FT03	9	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1657		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1658		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1659		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1660		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1661		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1662		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1663		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1664		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1665		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1666		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1667		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1668		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1669		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1670		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1671		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1672		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1673		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1674		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1675		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1676		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1677		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1678		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1679		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1680		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1681	32347956	29APR1981	MR08	810048	3234.70	7956.80	0.00	0.00	1	1	FT03	11	0	NH
1682	32347957	29APR1981	MR08	810049	3234.00	7957.90	0.00	0.00	1	1	FT03	12	0	NH
1683	32328006	29APR1981	MR08	810055	3232.60	8006.30	0.00	0.00	1	1	FT03	9	0	NH
1684	32328006	29APR1981	MR08	810056	3232.10	8006.40	0.00	0.00	1	1	FT03	10	0	NH
1685	32308012	30APR1981	MR08	810059	3230.50	8012.80	0.00	0.00	1	1	FT03	6	0	NH
1686	32298012	30APR1981	MR08	810060	3229.30	8012.50	0.00	0.00	1	1	FT03	9	0	NH
1687	32278014	30APR1981	MR08	810061	3227.50	8014.20	0.00	0.00	1	1	FT03	11	0	NH
1688	32268013	30APR1981	MR08	810062	3226.30	8013.90	0.00	0.00	1	1	FT03	10	0	NH
1689	32248015	30APR1981	MR08	810063	3224.40	8015.80	0.00	0.00	1	1	FT03	13	0	NH
1690	32238016	30APR1981	MR08	810064	3223.40	8016.10	0.00	0.00	1	1	FT03	12	0	NH
1691	32188022	30APR1981	MR08	810065	3218.60	8022.10	0.00	0.00	1	1	FT03	6	0	NH
1692	32188023	30APR1981	MR08	810066	3218.00	8023.30	0.00	0.00	1	1	FT03	6	0	NH
1693	32148016	30APR1981	MR08	810067	3214.40	8016.80	0.00	0.00	1	1	FT03	15	0	NH
1694	32128025	30APR1981	MR08	810071	3212.60	8025.00	0.00	0.00	1	1	FT03	14	0	NH
1695	32138025	30APR1981	MR08	810072	3213.40	8025.90	0.00	0.00	1	1	FT03	11	0	NH
1696	32158030	30APR1981	MR08	810073	3215.50	8030.70	0.00	0.00	1	1	FT03	6	0	NH
1697	32148030	30APR1981	MR08	810074	3214.80	8030.20	0.00	0.00	1	1	FT03	9	0	NH
1698	32108032	01MAY1981	MR08	810075	3210.50	8032.10	0.00	0.00	1	1	FT03	7	0	NH
1699	32437936	01MAY1981	MR08	810080	3243.30	7936.60	0.00	0.00	1	1	FT03	14	0	NH
1700	32467941	25MAY1981	MR08	810171	3246.60	7941.80	0.00	0.00	1	1	FT03	8	0	NH
1701	32487940	25MAY1981	MR08	810172	3248.60	7940.20	0.00	0.00	1	1	FT03	8	0	NH
1702	32497940	25MAY1981	MR08	810173	3249.50	7940.70	0.00	0.00	1	1	FT03	8	0	NH
1703	32507939	25MAY1981	MR08	810174	3250.30	7939.10	0.00	0.00	1	1	FT03	8	0	NH
1704	32537928	25MAY1981	MR08	810175	3253.60	7928.40	0.00	0.00	1	1	FT03	13	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1681		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1682		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1683		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1684		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1685		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1686		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1687		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1688		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1689		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1690		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1691		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1692		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1693		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1694		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1695		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1696		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1697		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1698		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1699		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1700		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1701		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1702		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1703		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1704		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1705	32547927	25MAY1981	MR08	810176	3254.40	7927.10	0.00	0.00	1	1	FT03	12	0	MM
1706	32557929	25MAY1981	MR08	810177	3255.20	7929.00	0.00	0.00	1	1	FT03	9	0	MM
1707	32557927	25MAY1981	MR08	810178	3255.40	7927.40	0.00	0.00	1	1	FT03	9	0	MM
1708	33027917	25MAY1981	MR08	810183	3302.90	7917.60	0.00	0.00	1	1	FT03	7	0	MM
1709	33037916	25MAY1981	MR08	810184	3303.90	7916.60	0.00	0.00	1	1	FT03	7	0	MM
1710	33047913	26MAY1981	MR08	810185	3304.60	7913.70	0.00	0.00	1	1	FT03	8	0	MM
1711	33047912	26MAY1981	MR08	810186	3304.70	7912.20	0.00	0.00	1	1	FT03	6	0	MM
1712	33137909	26MAY1981	MR08	810189	3313.00	7909.20	0.00	0.00	1	1	FT03	7	0	MM
1713	33147909	26MAY1981	MR08	810190	3314.40	7909.40	0.00	0.00	1	1	FT03	8	0	MM
1714	33157902	26MAY1981	MR08	810191	3315.40	7902.30	0.00	0.00	1	1	FT03	14	0	MM
1715	33157903	26MAY1981	MR08	810192	3315.80	7903.50	0.00	0.00	1	1	FT03	12	0	MM
1716	33177908	26MAY1981	MR08	810193	3317.10	7908.80	0.00	0.00	1	1	FT03	8	0	MM
1717	33187907	26MAY1981	MR08	810194	3318.00	7907.90	0.00	0.00	1	1	FT03	9	0	MM
1718	33237903	26MAY1981	MR08	810195	3323.40	7903.10	0.00	0.00	1	1	FT03	11	0	MM
1719	33247903	26MAY1981	MR08	810196	3324.70	7903.00	0.00	0.00	1	1	FT03	11	0	PM
1720	33277903	26MAY1981	MR08	810197	3327.20	7903.00	0.00	0.00	1	1	FT03	9	0	MM
1721	33277901	26MAY1981	MR08	810198	3327.70	7901.70	0.00	0.00	1	1	FT03	8	0	MM
1722	33297855	27MAY1981	MR08	810199	3329.50	7855.00	0.00	0.00	1	1	FT03	11	0	MM
1723	33307855	27MAY1981	MR08	810200	3330.60	7855.30	0.00	0.00	1	1	FT03	12	0	PM
1724	33377855	27MAY1981	MR08	810201	3337.30	7855.80	0.00	0.00	1	1	FT03	8	0	MB
1725	33387854	27MAY1981	MR08	810202	3338.20	7854.60	0.00	0.00	1	1	FT03	8	0	PM
1726	33527826	29MAY1981	MR08	810215	3352.30	7826.20	0.00	0.00	1	1	FT03	8	0	MM
1727	33517827	29MAY1981	MR08	810216	3351.80	7827.20	0.00	0.00	1	1	FT03	9	0	MM
1728	33517828	29MAY1981	MR08	810217	3351.80	7828.20	0.00	0.00	1	1	FT03	8	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1705		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1706		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1707		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1708		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1709		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1710		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1711		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1712		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1713		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1714		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1715		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1716		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1717		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1718		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1719		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1720		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1721		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1722		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1723		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1724		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1725		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1726		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1727		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1728		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EM	BOTTOMTY
1729	33517829.	29MAY1981	MR08	810218	3351.30	7829.20	0.00	0.00	1	1	FT03	9	0	MM
1730	33497833	29MAY1981	MR08	810221	3349.80	7833.70	0.00	0.00	1	1	FT03	8	0	MM
1731	33497834	29MAY1981	MR08	810222	3349.60	7834.50	0.00	0.00	1	1	FT03	9	0	MM
1732	33497837	29MAY1981	MR08	810223	3349.00	7837.50	0.00	0.00	1	1	FT03	9	0	MM
1733	33487838	29MAY1981	MR08	810224	3348.60	7838.30	0.00	0.00	1	1	FT03	9	0	MM
1734	33477838	30MAY1981	MR08	810225	3347.60	7838.50	0.00	0.00	1	1	FT03	9	0	MM
1735	33477839	30MAY1981	MR08	810226	3347.30	7839.50	0.00	0.00	1	1	FT03	9	0	MM
1736	33437842	30MAY1981	MR08	810227	3343.20	7842.50	0.00	0.00	1	1	FT03	11	0	MB
1737	33427842	30MAY1981	MR08	810228	3342.30	7842.80	0.00	0.00	1	1	FT03	12	0	MB
1738	33397847	30MAY1981	MR08	810229	3339.50	7847.50	0.00	0.00	1	1	FT03	10	0	MM
1739	33387848	30MAY1981	MR08	810230	3338.90	7848.10	0.00	0.00	1	1	FT03	11	0	MM
1740	33377846	30MAY1981	MR08	810231	3337.00	7846.10	0.00	0.00	1	1	FT03	13	0	MM
1741	33367846	30MAY1981	MR08	810232	3336.10	7846.70	0.00	0.00	1	1	FT03	12	0	MM
1742	32048045	07AUG1980	MR08	801173	3204.40	8045.80	0.00	0.00	1	1	FT03	9	0	MM
1743	33097900	23JUL1980	MR08	801060	3309.40	7900.80	0.00	0.00	1	1	FT03	12	0	PM
1744	33297850	01AUG1986	MR09	4525	3329.27	7850.27	0.00	0.00	1	0	GR01	13	0	MM
1745	32088041	08AUG1990	MR10	BC01	3208.67	8041.58	0.00	0.00	1	0	GR01	0	0	MM
1746	32088041	07MAY1991	MR10	BC01	3208.67	8041.58	0.00	0.00	1	0	GR01	0	0	MM
1747	32088041	07NOV1990	MR10	BC01	3208.67	8041.58	0.00	0.00	1	0	GR01	0	0	MM
1748	32088041	05MAR1991	MR10	BC01	3208.67	8041.58	0.00	0.00	1	0	GR01	0	0	MM
1749	32088041	15MAR1990	MR10	BC01	3208.67	8041.58	0.00	0.00	1	0	GR01	0	0	MM
1750	32088041	18MAY1990	MR10	BC01	3208.67	8041.58	0.00	0.00	1	0	GR01	0	0	MM
1751	32088041	06AUG1991	MR10	BC01	3208.67	8041.58	0.00	0.00	1	0	GR01	0	0	MM
1752	32088041	06AUG1991	MR10	BC02	3208.58	8041.58	0.00	0.00	1	0	GR01	0	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZIR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1729		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1730		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1731		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1732		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1733		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1734		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1735		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1736		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1737		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1738		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1739		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1740		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1741		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1742		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1743		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1744		35.1	26.28	0.00	0.0	1.28	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1745		96.1	0.66	1.85	1.4	2.70	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1746		93.3	0.00	4.83	1.8	2.63	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1747		93.0	0.84	1.39	4.8	2.82	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1748		95.0	0.00	3.37	1.6	2.83	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1749		95.3	0.85	0.85	3.0	2.69	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1750		95.1	1.69	0.84	2.4	2.61	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1751		95.4	0.33	2.66	1.6	2.75	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1752		96.5	1.06	0.46	1.9	2.71	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1753	32088041	07MAY1991	MR10	BC02	3208.58	8041.58	0.00	0.00	1	0	GR01	0	0	MM
1754	32088041	05MAR1991	MR10	BC02	3208.58	8041.58	0.00	0.00	1	0	GR01	0	0	MM
1755	32088041	07NOV1990	MR10	BC02	3208.58	8041.58	0.00	0.00	1	0	GR01	0	0	MM
1756	32088041	18MAY1990	MR10	BC02	3208.58	8041.58	0.00	0.00	1	0	GR01	0	0	MM
1757	32088041	08AUG1990	MR10	BC02	3208.58	8041.58	0.00	0.00	1	0	GR01	0	0	MM
1758	32088041	05MAR1991	MR10	BC03	3208.67	8041.25	0.00	0.00	1	0	GR01	0	0	MM
1759	32088041	07MAY1991	MR10	BC03	3208.67	8041.25	0.00	0.00	1	0	GR01	0	0	MM
1760	32088041	06AUG1991	MR10	BC03	3208.67	8041.25	0.00	0.00	1	0	GR01	0	0	MM
1761	32088041	08AUG1990	MR10	BC03	3208.67	8041.25	0.00	0.00	1	0	GR01	0	0	MM
1762	32088041	18MAY1990	MR10	BC03	3208.67	8041.25	0.00	0.00	1	0	GR01	0	0	MM
1763	32088041	15MAR1990	MR10	BC03	3208.67	8041.25	0.00	0.00	1	0	GR01	0	0	MM
1764	32088041	07NOV1990	MR10	BC03	3208.67	8041.25	0.00	0.00	1	0	GR01	0	0	MM
1765	32068043	18MAY1990	MR10	GB01	3206.55	8043.67	0.00	0.00	1	0	GR01	0	0	MM
1766	32068043	07MAY1991	MR10	GB01	3206.55	8043.67	0.00	0.00	1	0	GR01	0	0	MM
1767	32068043	08AUG1990	MR10	GB01	3206.55	8043.67	0.00	0.00	1	0	GR01	0	0	MM
1768	32068043	07NOV1990	MR10	GB01	3206.55	8043.67	0.00	0.00	1	0	GR01	0	0	MM
1769	32068043	06AUG1991	MR10	GB01	3206.55	8043.67	0.00	0.00	1	0	GR01	0	0	MM
1770	32068043	05MAR1991	MR10	GB01	3206.55	8043.67	0.00	0.00	1	0	GR01	0	0	MM
1771	32068043	07NOV1990	MR10	GB02	3206.62	8043.92	0.00	0.00	1	0	GR01	0	0	MM
1772	32068043	05MAR1991	MR10	GB02	3206.62	8043.92	0.00	0.00	1	0	GR01	0	0	MM
1773	32068043	07MAY1991	MR10	GB02	3206.62	8043.92	0.00	0.00	1	0	GR01	0	0	MM
1774	32068043	08AUG1990	MR10	GB02	3206.62	8043.92	0.00	0.00	1	0	GR01	0	0	MM
1775	32068043	18MAY1990	MR10	GB02	3206.62	8043.92	0.00	0.00	1	0	GR01	0	0	MM
1776	32068043	06AUG1991	MR10	GB02	3206.62	8043.92	0.00	0.00	1	0	GR01	0	0	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1753		95.0	0.00	3.55	1.4	2.51	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1754		95.2	0.00	3.31	1.5	2.77	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1755		95.5	0.54	2.16	1.8	2.71	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1756		96.5	0.56	1.67	1.3	2.66	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1757		96.6	0.54	2.14	0.7	2.54	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1758		95.0	0.00	3.33	1.7	2.63	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1759		95.3	1.23	2.06	1.4	2.49	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1760		96.4	0.88	0.58	2.1	2.54	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1761		90.7	0.54	2.17	6.6	3.30	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1762		94.6	2.41	2.41	0.6	2.62	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1763		94.7	0.57	1.70	3.1	2.86	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1764		96.3	0.53	1.86	1.4	2.78	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1765		96.5	0.54	1.62	1.3	2.18	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1766		91.4	0.56	4.93	3.1	2.11	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1767		91.6	0.25	3.27	4.9	2.76	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1768		86.7	2.60	6.17	4.5	1.68	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1769		92.0	0.00	4.07	3.9	2.88	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1770		93.6	0.27	3.55	2.6	2.85	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1771		96.1	0.14	2.89	2.0	2.73	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1772		94.1	0.56	3.05	2.3	2.76	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1773		64.9	0.00	3.36	1.8	2.51	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1774		94.3	1.32	2.11	2.3	2.74	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1775		90.8	1.22	3.13	4.8	3.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1776		82.3	2.25	10.60	4.9	3.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
1777	32068043	07NOV1990	MR10	GB03	3206.80	8043.98	0.00	0.00	1	0	GR01	
1778	32068043	05MAR1991	MR10	GB03	3206.80	8043.98	0.00	0.00	1	0	GR01	
1779	32068043	09AUG1990	MR10	GB03	3206.80	8043.98	0.00	0.00	1	0	GR01	
1780	32068043	18MAY1990	MR10	GB03	3206.80	8043.98	0.00	0.00	1	0	GR01	
1781	32068043	06AUG1991	MR10	GB03	3206.80	8043.98	0.00	0.00	1	0	GR01	
1782	32068043	07MAY1991	MR10	GB03	3206.80	8043.98	0.00	0.00	1	0	GR01	
1783	32118039	08AUG1990	MR10	JB01	3211.52	8039.26	0.00	0.00	1	0	GR01	
1784	32118039	18MAY1990	MR10	JB01	3211.52	8039.26	0.00	0.00	1	0	GR01	
1785	32118039	07MAY1991	MR10	JB01	3211.52	8039.26	0.00	0.00	1	0	GR01	
1786	32118039	07NOV1990	MR10	JB01	3211.52	8039.26	0.00	0.00	1	0	GR01	
1787	32118039	14MAR1990	MR10	JB01	3211.52	8039.26	0.00	0.00	1	0	GR01	
1788	32118039	05MAR1991	MR10	JB01	3211.52	8039.26	0.00	0.00	1	0	GR01	
1789	32118039	07MAY1991	MR10	JB02	3211.63	8039.18	0.00	0.00	1	0	GR01	
1790	32118039	07NOV1990	MR10	JB02	3211.63	8039.18	0.00	0.00	1	0	GR01	
1791	32118039	18MAY1990	MR10	JB02	3211.63	8039.18	0.00	0.00	1	0	GR01	
1792	32118039	14MAR1990	MR10	JB02	3211.63	8039.18	0.00	0.00	1	0	GR01	
1793	32118039	05MAR1991	MR10	JB02	3211.63	8039.18	0.00	0.00	1	0	GR01	
1794	32118039	08AUG1990	MR10	JB02	3211.63	8039.18	0.00	0.00	1	0	GR01	
1795	32118039	14MAR1990	MR10	JB03	3211.72	8039.07	0.00	0.00	1	0	GR01	
1796	32118039	05MAR1991	MR10	JB03	3211.72	8039.07	0.00	0.00	1	0	GR01	
1797	32118039	07MAY1991	MR10	JB03	3211.72	8039.07	0.00	0.00	1	0	GR01	
1798	32118039	18MAY1990	MR10	JB03	3211.72	8039.07	0.00	0.00	1	0	GR01	
1799	32118039	07NOV1990	MR10	JB03	3211.72	8039.07	0.00	0.00	1	0	GR01	
1800	32427947	01JUL1978	MR11	DS01	3242.47	7947.20	0.00	0.00	1	0	GR02	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	P
1777		94.6	0.53	2.89	2.0	2.70	0.00	0.00	0.00	0.00	0.0	0.0	
1778		93.3	0.00	3.88	2.8	2.79	0.00	0.00	0.00	0.00	0.0	0.0	
1779		92.6	1.73	3.74	1.9	2.97	0.00	0.00	0.00	0.00	0.0	0.0	
1780		96.0	0.73	4.20	2.1	2.83	0.00	0.00	0.00	0.00	0.0	0.0	
1781		91.1	1.41	4.07	3.4	2.79	0.00	0.00	0.00	0.00	0.0	0.0	
1782		93.2	0.00	4.11	2.7	2.73	0.00	0.00	0.00	0.00	0.0	0.0	
1783		92.1	0.64	1.80	5.5	2.51	0.00	0.00	0.00	0.00	0.0	0.0	
1784		59.0	33.27	6.26	1.4	3.00	0.00	0.00	0.00	0.00	0.0	0.0	
1785		90.0	1.45	9.28	2.3	2.86	0.00	0.00	0.00	0.00	0.0	0.0	
1786		96.0	0.93	1.19	1.9	2.75	0.00	0.00	0.00	0.00	0.0	0.0	
1787		94.1	0.26	2.60	3.0	2.43	0.00	0.00	0.00	0.00	0.0	0.0	
1788		93.3	0.42	4.02	2.3	2.71	0.00	0.00	0.00	0.00	0.0	0.0	
1789		56.3	29.23	10.41	4.1	3.20	0.00	0.00	0.00	0.00	0.0	0.0	
1790		52.3	37.42	4.88	5.4	2.89	0.00	0.00	0.00	0.00	0.0	0.0	
1791		80.9	7.79	7.51	3.8	2.95	0.00	0.00	0.00	0.00	0.0	0.0	
1792		93.5	1.96	2.24	2.3	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1793		53.5	36.77	7.65	2.1	3.06	0.00	0.00	0.00	0.00	0.0	0.0	
1794		85.0	2.33	5.60	7.1	3.08	0.00	0.00	0.00	0.00	0.0	0.0	
1795		97.5	0.00	1.60	0.9	2.60	0.00	0.00	0.00	0.00	0.0	0.0	
1796		56.4	29.44	10.73	3.4	3.12	0.00	0.00	0.00	0.00	0.0	0.0	
1797		56.2	30.44	10.35	3.0	3.11	0.00	0.00	0.00	0.00	0.0	0.0	
1798		52.3	25.57	9.70	12.4	2.19	0.00	0.00	0.00	0.00	0.0	0.0	
1799		56.7	31.04	6.04	6.2	2.82	0.00	0.00	0.00	0.00	0.0	0.0	
1800		93.0	0.00	0.00	7.0	2.68	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1801	32427947	01JUL1978	MR11	DS02	3242.10	7947.60	0.00	0.00	1	0	GR02	0	0	NH
1802	32417948	01JUL1978	MR11	DS03	3241.65	7948.20	0.00	0.00	1	0	GR02	0	0	NH
1803	32417948	01JUL1978	MR11	DS04	3241.03	7948.83	0.00	0.00	1	0	GR02	0	0	NH
1804	32407949	01JUL1978	MR11	DS05	3240.50	7949.47	0.00	0.00	1	0	GR02	0	0	NH
1805	32397950	01JUL1978	MR11	DS06	3239.75	7950.30	0.00	0.00	1	0	GR02	0	0	NH
1806	32397950	01JUL1978	MR11	DS07	3239.33	7950.65	0.00	0.00	1	0	GR02	0	0	NH
1807	32387951	01JUL1978	MR11	DS08	3238.88	7951.13	0.00	0.00	1	0	GR02	0	0	NH
1808	32417945	01JUL1978	MR11	DS09	3241.17	7945.03	0.00	0.00	1	G	GR02	0	0	NH
1809	32407946	01JUL1978	MR11	DS11	3240.05	7946.20	0.00	0.00	1	0	GR02	0	0	NH
1810	32387947	01JUL1978	MR11	DS13	3238.72	7947.60	0.00	0.00	1	0	GR02	0	0	NH
1811	32377948	01JUL1978	MR11	DS15	3237.67	7948.70	0.00	0.00	1	0	GR02	0	0	NH
1812	32377949	01JUL1978	MR11	DS16	3237.05	7949.42	0.00	0.00	1	0	GR02	0	0	NH
1813	32387945	01JUL1978	MR11	DS21	3238.20	7945.92	0.00	0.00	1	0	GR02	0	0	NH
1814	32377947	01JUL1978	MR11	DS23	3237.20	7947.07	0.00	0.00	1	0	GR02	0	0	NH
1815	32367947	01JUL1978	MR11	DS24	3236.72	7947.60	0.00	0.00	1	0	GR02	0	0	NH
1816	32437946	03NOV1986	MR12	863002	3243.50	7946.60	3242.80	7946.10	1	1	FT05	7	9	NH
1817	32407949	03NOV1986	MR12	863004	3240.80	7949.60	3240.00	7950.30	1	1	FT05	6	6	PH
1818	32367954	03NOV1986	MR12	863006	3236.60	7954.00	3236.20	7955.30	1	1	FT05	9	8	NH
1819	32367956	03NOV1986	MR12	863008	3236.10	7956.30	3236.60	7956.30	1	1	FT05	7	6	NH
1820	33487837	04NOV1986	MR12	863010	3348.40	7837.20	3349.20	7837.10	1	1	FT05	9	9	NH
1821	33477837	04NOV1986	MR12	863012	3347.20	7837.10	3347.10	7837.50	1	1	FT05	10	9	NH
1822	32547926	10NOV1986	MR12	863016	3254.80	7926.90	3255.70	7926.70	1	1	FT05	8	9	NH
1823	32487936	10NOV1986	MR12	863018	3248.50	7936.70	3249.40	7937.20	1	1	FT05	9	9	NH
1824	32507939	10NOV1986	MR12	863020	3250.80	7939.10	3250.10	7940.00	1	1	FT05	6	7	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1801		88.0	0.00	2.00	7.0	2.83	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1802		87.0	3.00	9.00	1.0	3.01	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1803		67.0	10.00	13.00	10.0	2.88	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1804		70.0	0.00	0.00	30.0	2.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1805		65.0	2.00	2.00	31.0	0.99	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1806		60.0	0.00	0.00	39.0	0.60	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1807		70.0	0.00	14.00	16.0	2.29	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1808		72.0	0.00	0.00	28.0	2.03	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1809		94.0	0.00	0.00	6.0	2.58	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1810		70.0	0.00	0.00	30.0	1.09	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1811		82.0	0.00	0.00	18.0	2.26	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1812		74.0	0.00	0.00	26.0	1.20	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1813		91.0	0.00	0.00	9.0	2.60	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1814		94.0	0.00	0.00	6.0	2.41	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1815		89.0	0.00	0.00	11.0	2.50	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1816		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1817		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1818		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1819		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1820		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1821		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1822		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1823		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1824		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
1825	32487940	10NOV1986	MR12	863022	3248.50	7940.80	3248.00	7940.40	1	1	FTOS	
1826	32347954	11NOV1986	MR12	863024	3234.90	7954.80	3234.80	7956.00	1	1	FTOS	
1827	32348001	11NOV1986	MR12	863026	3234.40	8001.10	3234.20	8000.50	1	1	FTOS	
1828	32348003	11NOV1986	MR12	863028	3234.40	8003.10	3234.20	8004.40	1	1	FTOS	
1829	32268014	11NOV1986	MR12	863030	3226.00	8014.90	3226.00	8016.40	1	1	FTOS	
1830	32248017	11NOV1986	MR12	863032	3224.00	8017.60	3223.40	8018.40	1	1	FTOS	
1831	32248018	11NOV1986	MR12	863034	3224.10	8018.90	3223.50	8019.50	1	1	FTOS	
1832	32038045	12NOV1986	MR12	863036	3203.50	8045.80	3203.10	8045.20	1	1	FTOS	
1833	32138032	12NOV1986	MR12	863038	3213.70	8032.80	3214.20	8032.20	1	1	FTOS	
1834	32168028	12NOV1986	MR12	863040	3216.30	8028.40	3216.80	8027.80	1	1	FTOS	
1835	32178022	12NOV1986	MR12	863042	3217.90	8022.80	3218.20	8022.40	1	1	FTOS	
1836	32198019	12NOV1986	MR12	863044	3219.50	8019.60	3220.10	8019.20	1	1	FTOS	
1837	32477939	17NOV1986	MR12	863046	3247.60	7939.80	3248.10	7939.10	1	1	FTOS	
1838	33027907	17NOV1986	MR12	863048	3302.00	7907.30	3302.80	7906.90	1	1	FTOS	
1839	33497833	18NOV1986	MR12	863052	3349.60	7833.60	3349.30	7834.60	1	1	FTOS	
1840	33477838	18NOV1986	MR12	863054	3347.70	7838.60	3347.40	7839.80	1	1	FTOS	
1841	33467841	18NOV1986	MR12	863056	3346.40	7841.40	3346.10	7842.50	1	1	FTOS	
1842	33377855	18NOV1986	MR12	863058	3337.20	7855.30	3337.50	7854.70	1	1	FTOS	
1843	33217905	18NOV1986	MR12	863060	3321.00	7905.90	3320.60	7906.90	1	1	FTOS	
1844	33197907	19NOV1986	MR12	863062	3319.70	7907.60	3319.00	7907.80	1	1	FTOS	
1845	33197907	19NOV1986	MR12	863064	3319.40	7907.60	3318.60	7908.10	1	1	FTOS	
1846	33187907	19NOV1986	MR12	863066	3318.20	7907.90	3318.90	7908.20	1	1	FTOS	
1847	33137908	19NOV1986	MR12	863068	3313.60	7908.90	3314.00	7908.50	1	1	FTOS	
1848	33137906	19NOV1986	MR12	863070	3313.10	7906.20	3312.20	7906.80	1	1	FTOS	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
1825		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1826		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1827		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1828		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1829		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1830		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1831		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1832		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1833		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1834		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1835		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1836		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1837		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1838		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1839		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1840		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1841		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1842		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1843		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1844		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1845		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1846		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1847		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1848		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	D
1849	32437947	10AUG1987	MR12	870002	3243.30	7947.40	3243.40	7947.60	1	1	FT04	
1850	32437946	17AUG1987	MR12	870028	3243.40	7946.90	3243.50	7946.10	1	1	FT04	
1851	32357957	17AUG1987	MR12	870030	3235.20	7957.70	3234.70	7958.80	1	1	FT04	
1852	32358001	17AUG1987	MR12	870032	3235.10	8001.80	3235.10	8002.70	1	1	FT04	
1853	32348001	17AUG1987	MR12	870034	3234.00	8001.40	3233.70	8002.00	1	1	FT04	
1854	32338001	17AUG1987	MR12	870036	3233.90	8001.50	3233.20	8002.10	1	1	FT04	
1855	32358001	17AUG1987	MR12	870038	3235.00	8001.80	3234.90	8002.60	1	1	FT04	
1856	32347958	18AUG1987	MR12	870040	3234.90	7958.60	3235.30	7957.60	1	1	FT04	
1857	32437947	24AUG1987	MR12	870054	3243.40	7947.30	3244.10	7946.60	1	1	FT04	
1858	32437947	31AUG1987	MR12	870080	3243.40	7947.50	3244.30	7946.30	1	1	FT04	
1859	32338001	31AUG1987	MR12	870082	3233.80	8001.70	3233.50	8002.50	1	1	FT04	
1860	32358001	31AUG1987	MR12	870084	3235.10	8001.80	3235.10	8002.70	1	1	FT04	
1861	32357958	31AUG1987	MR12	870086	3235.00	7958.40	3235.20	7958.80	1	1	FT04	
1862	32357957	31AUG1987	MR12	870088	3235.10	7957.90	3234.70	7959.00	1	1	FT04	
1863	32358001	01SEP1987	MR12	870090	3235.20	8001.60	3235.10	8002.50	1	1	FT04	
1864	32348001	01SEP1987	MR12	870092	3234.00	8001.40	3233.70	8002.20	1	1	FT04	
1865	32437947	14SEP1987	MR12	870106	3243.30	7947.50	3243.40	7946.40	1	1	FT04	
1866	32437947	21SEP1987	MR12	870132	3243.30	7947.40	3243.30	7947.20	1	1	FT04	
1867	32358001	21SEP1987	MR12	870134	3235.10	8001.70	3235.00	8002.60	1	1	FT04	
1868	32338001	21SEP1987	MR12	870136	3233.90	8001.60	3233.40	8002.50	1	1	FT04	
1869	32357957	21SEP1987	MR12	870138	3235.10	7957.90	3234.70	7959.00	1	1	FT04	
1870	32338001	21SEP1987	MR12	870140	3233.90	8001.40	3233.50	8002.20	1	1	FT04	
1871	32358001	21SEP1987	MR12	870142	3235.10	8001.70	3234.90	8002.60	1	1	FT04	
1872	32347958	21SEP1987	MR12	870144	3234.90	7958.30	3235.20	7957.50	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP
1849		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1850		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1851		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1852		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1853		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1854		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1855		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1856		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1857		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1858		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1859		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1860		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1861		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1862		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1863		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1864		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1865		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1866		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1867		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1868		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1869		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1870		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1871		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0
1872		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DI
1873	32437947	05OCT1987	MR12	870158	3243.30	7947.30	3243.30	7946.20	1	1	FT04	
1874	32437947	19OCT1987	MR12	870184	3243.30	7947.50	3243.50	7946.80	1	1	FT04	
1875	32357957	19OCT1987	MR12	870186	3235.10	7957.90	3234.70	7958.70	1	1	FT04	
1876	32358001	19OCT1987	MR12	870188	3235.10	8001.80	3235.00	8002.80	1	1	FT04	
1877	32338001	19OCT1987	MR12	870190	3233.90	8001.60	3233.30	8002.40	1	1	FT04	
1878	32358001	19OCT1987	MR12	870192	3235.10	8001.90	3234.90	8002.80	1	1	FT04	
1879	32338001	19OCT1987	MR12	870194	3233.80	8001.70	3233.30	8002.40	1	1	FT04	
1880	32357957	19OCT1987	MR12	870196	3235.10	7957.80	3234.70	7958.40	1	1	FT04	
1881	32437947	26OCT1987	MR12	870210	3243.20	7947.50	3243.30	7946.80	1	1	FT04	
1882	32437947	07NOV1987	MR12	870212	3243.30	7947.40	3243.90	7946.90	1	1	FT04	
1883	32437947	16NOV1987	MR12	870238	3243.40	7947.30	3243.70	7946.60	1	1	FT04	
1884	32357957	16NOV1987	MR12	870240	3235.20	7957.70	3234.60	7958.30	1	1	FT04	
1885	32338001	16NOV1987	MR12	870242	3233.90	8001.40	3233.50	8002.20	1	1	FT04	
1886	32358001	16NOV1987	MR12	870244	3235.10	8001.60	3234.80	8002.50	1	1	FT04	
1887	32357957	16NOV1987	MR12	870246	3235.00	7957.80	3234.40	7958.30	1	1	FT04	
1888	32348001	16NOV1987	MR12	870248	3234.80	8001.60	3234.40	8002.40	1	1	FT04	
1889	32338001	16NOV1987	MR12	870250	3233.90	8001.70	3233.40	8002.40	1	1	FT04	
1890	32437947	23MAY1988	MR12	880002	3243.30	7947.40	3244.10	7946.70	1	1	FT04	
1891	32338001	23MAY1988	MR12	880006	3233.90	8001.40	3233.60	8002.20	1	1	FT04	
1892	32358001	23MAY1988	MR12	880008	3235.10	8001.60	3235.00	8002.20	1	1	FT04	
1893	32338001	24MAY1988	MR12	880010	3233.90	8001.40	3233.30	8002.30	1	1	FT04	
1894	32348001	24MAY1988	MR12	880012	3234.90	8001.70	3235.00	8002.70	1	1	FT04	
1895	32347958	01JUN1988	MR12	880014	3234.90	7958.20	3235.20	7957.10	1	1	FT04	
1896	32437947	06JUN1988	MR12	880028	3243.40	7947.40	3243.50	7946.30	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	I
1873		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1874		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1875		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1876		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1877		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1878		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1879		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1880		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1881		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1882		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1883		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1884		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1885		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1886		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1887		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1888		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1889		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1890		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1891		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1892		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1893		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1894		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1895		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1896		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
1897	32437947	13JUN1988	MR12	880054	3243.40	7947.50	3243.40	7946.50	1	1	FT04	
1898	32347958	13JUN1988	MR12	880056	3234.90	7958.50	3235.00	7957.90	1	1	FT04	
1899	32338002	13JUN1988	MR12	880058	3233.80	8002.00	3234.10	8001.00	1	1	FT04	
1900	32358001	13JUN1988	MR12	880060	3235.00	8001.70	3235.00	8002.70	1	1	FT04	
1901	32358002	13JUN1988	MR12	880062	3235.10	8002.50	3235.00	8001.40	1	1	FT04	
1902	32338002	13JUN1988	MR12	880064	3233.80	8002.00	3234.10	8001.00	1	1	FT04	
1903	32347958	14JUN1988	MR12	880066	3234.90	7958.50	3235.00	7957.90	1	1	FT04	
1904	32437945	22JUN1988	MR12	880104	3243.60	7945.80	3243.50	7946.80	1	1	FT04	
1905	32437947	11JUL1988	MR12	880106	3243.40	7947.20	3243.40	7946.20	1	1	FT04	
1906	32357957	11JUL1988	MR12	880108	3235.10	7957.50	3234.50	7958.00	1	1	FT04	
1907	32348001	11JUL1988	MR12	880110	3234.00	8001.30	3233.50	8002.10	1	1	FT04	
1908	32348001	11JUL1988	MR12	880112	3234.80	8001.50	3234.80	8002.50	1	1	FT04	
1909	32348001	11JUL1988	MR12	880114	3234.90	8001.60	3234.80	8002.10	1	1	FT04	
1910	32338001	11JUL1988	MR12	880116	3233.90	8001.40	3233.50	8002.00	1	1	FT04	
1911	32357957	12JUL1988	MR12	880118	3235.00	7957.70	3234.60	7958.40	1	1	FT04	
1912	32437945	18JUL1988	MR12	880132	3243.60	7945.80	3243.60	7946.40	1	1	FT04	
1913	32437947	01AUG1988	MR12	880158	3243.30	7947.50	3243.50	7946.40	1	1	FT04	
1914	32348001	01AUG1988	MR12	880160	3234.60	8001.60	3234.50	8002.50	1	1	FT04	
1915	32338001	01AUG1988	MR12	880162	3233.70	8001.90	3233.40	8001.00	1	1	FT04	
1916	32347958	01AUG1988	MR12	880164	3234.90	7958.40	3235.00	7957.70	1	1	FT04	
1917	32357957	01AUG1988	MR12	880166	3235.10	7957.90	3234.70	7958.70	1	1	FT04	
1918	32338001	01AUG1988	MR12	880168	3233.90	8001.40	3233.60	8002.20	1	1	FT04	
1919	32348001	02AUG1988	MR12	880170	3234.90	8001.50	3234.70	8002.20	1	1	FT04	
1920	32437947	08AUG1988	MR12	880184	3243.20	7947.40	3243.40	7946.40	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
1897		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1898		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1899		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1900		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1901		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1902		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1903		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1904		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1905		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1906		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1907		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1908		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1909		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1910		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1911		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1912		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1913		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1914		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1915		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1916		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1917		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1918		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1919		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1920		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
1921	32437947	29AUG1988	MR12	880210	3243.40	7947.40	3243.60	7946.20	1	1	FT04	7	7	MM
1922	32357957	29AUG1988	MR12	880212	3235.20	7957.60	3234.80	7958.40	1	1	FT04	5	4	MM
1923	32348001	29AUG1988	MR12	880214	3234.60	8001.50	3234.60	8002.20	1	1	FT04	4	4	MM
1924	32348001	29AUG1988	MR12	880216	3234.00	8001.30	3233.60	8002.20	1	1	FT04	6	7	MM
1925	32338001	29AUG1988	MR12	880218	3233.70	8001.90	3234.10	8001.10	1	1	FT04	9	8	MM
1926	32348002	29AUG1988	MR12	880220	3234.50	8002.60	3234.60	8001.50	1	1	FT04	6	5	MM
1927	32347958	30AUG1988	MR12	880222	3234.80	7958.30	3235.30	7957.30	1	1	FT04	5	6	MM
1928	32437947	12SEP1988	MR12	880248	3243.40	7947.50	3243.50	7946.50	1	1	FT04	6	7	MM
1929	32437947	19SEP1988	MR12	880262	3243.50	7947.50	3243.50	7946.60	1	1	FT04	7	8	MM
1930	32357957	19SEP1988	MR12	880264	3235.20	7957.60	3234.90	7958.40	1	1	FT04	6	5	MM
1931	32348001	19SEP1988	MR12	880266	3234.60	8001.60	3234.50	8002.50	1	1	FT04	5	5	MM
1932	32338002	21SEP1988	MR12	880268	3233.70	8002.00	3234.00	8001.20	1	1	FT04	8	8	MM
1933	32348001	19SEP1988	MR12	880270	3234.00	8001.30	3233.60	8002.20	1	1	FT04	8	8	MM
1934	32348002	19SEP1988	MR12	880272	3234.50	8002.70	3234.60	8001.90	1	1	FT04	5	5	MM
1935	32347958	20SEP1988	MR12	880274	3234.80	7958.50	3235.10	7957.70	1	1	FT04	5	6	MM
1936	32437947	27SEP1988	MR12	880288	3243.30	7947.60	3243.50	7946.60	1	1	FT04	7	8	MM
1937	32437947	03OCT1988	MR12	880314	3243.40	7947.50	3243.40	7946.50	1	1	FT04	7	7	MM
1938	32357957	03OCT1988	MR12	880316	3235.20	7957.60	3234.80	7958.40	1	1	FT04	6	5	MM
1939	32348001	03OCT1988	MR12	880318	3234.60	8001.60	3234.50	8002.50	1	1	FT04	6	6	MM
1940	32338001	10OCT1988	MR12	880320	3233.80	8001.30	3233.60	8002.20	1	1	FT04	9	8	MM
1941	32338002	03OCT1988	MR12	880322	3233.60	8002.00	3234.00	8001.20	1	1	FT04	8	8	MM
1942	32348002	03OCT1988	MR12	880324	3234.60	8002.50	3234.50	8001.80	1	1	FT04	5	5	MM
1943	32347958	03OCT1988	MR12	880326	3234.80	7958.50	3235.10	7957.90	1	1	FT04	5	5	MM
1944	32437947	10OCT1988	MR12	880340	3243.30	7947.50	3243.40	7946.50	1	1	FT04	7	7	MM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
1921		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1922		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1923		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1924		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1925		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1926		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1927		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1928		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1929		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1930		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1931		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1932		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1933		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1934		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1935		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1936		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1937		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1938		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1939		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1940		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1941		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1942		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1943		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
1944		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
1945	32437947	27OCT1988	MR12	880390	3243.80	7947.60	3243.40	7946.90	1	1	FT04	
1946	32357957	02NOV1988	MR12	880392	3235.30	7957.50	3234.90	7958.10	1	1	FT04	
1947	32348002	04NOV1988	MR12	880394	3234.50	8002.50	3234.50	8001.70	1	1	FT04	
1948	32338002	04NOV1988	MR12	880396	3233.60	8002.00	3234.10	8001.30	1	1	FT04	
1949	32348001	02NOV1988	MR12	880398	3234.50	8001.60	3234.40	8002.50	1	1	FT04	
1950	32338001	02NOV1988	MR12	880400	3233.90	8001.40	3233.50	8002.20	1	1	FT04	
1951	32347958	02NOV1988	MR12	880402	3234.80	7958.50	3235.10	7957.80	1	1	FT04	
1952	32437948	04NOV1988	MR12	880416	3243.60	7948.00	3243.50	7946.60	1	1	FT04	
1953	32238017	12APR1989	MR12	890002	3223.70	8017.30	3224.30	8016.80	1	1	FT04	
1954	32298010	12APR1989	MR12	890004	3229.50	8010.70	3229.80	8009.80	1	1	FT04	
1955	32347954	14APR1989	MR12	890014	3234.90	7954.90	3234.80	7955.80	1	1	FT04	
1956	32357957	14APR1989	MR12	890016	3235.80	7957.00	3236.20	7956.10	1	1	FT04	
1957	33087909	26APR1989	MR12	890046	3308.20	7909.00	3307.60	7909.50	1	1	FT04	
1958	32547926	27APR1989	MR12	890054	3254.70	7926.30	3255.30	7925.60	1	1	FT04	
1959	32467937	28APR1989	MR12	890058	3246.80	7937.10	3246.70	7937.90	1	1	FT04	
1960	32487940	28APR1989	MR12	890060	3248.40	7940.40	3249.00	7939.80	1	1	FT04	
1961	33537820	17MAY1989	MR12	890108	3353.30	7820.50	3353.60	7819.50	1	1	FT04	
1962	33497833	18MAY1989	MR12	890114	3349.10	7833.30	3349.00	7834.30	1	1	FT04	
1963	33477838	18MAY1989	MR12	890116	3347.30	7838.30	3347.20	7839.20	1	1	FT04	
1964	33477840	19MAY1989	MR12	890118	3347.00	7840.90	3346.80	7841.80	1	1	FT04	
1965	33357850	19MAY1989	MR12	890124	3335.80	7850.50	3335.20	7851.10	1	1	FT04	
1966	32148031	25MAY1989	MR12	890156	3214.20	8031.80	3214.40	8031.00	1	1	FT04	
1967	32168028	26MAY1989	MR12	890158	3216.60	8028.00	3216.60	8027.00	1	1	FT04	
1968	32188022	26MAY1989	MR12	890160	3218.00	8022.10	3217.80	8022.80	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
1945		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1946		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1947		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1948		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1949		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1950		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1951		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1952		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1953		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1954		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1955		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1956		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1957		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1958		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1959		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1960		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1961		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1962		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1963		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1964		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1965		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1966		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1967		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1968		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEI
1969	33267902	30MAY1989	MR12	890162	3326.60	7902.60	3326.70	7901.60	1	1	FT04	
1970	33227907	30MAY1989	MR12	890164	3322.30	7907.20	3323.10	7907.00	1	1	FT04	
1971	33217906	31MAY1989	MR12	890166	3321.20	7906.30	3321.40	7907.20	1	1	FT04	
1972	33207907	31MAY1989	MR12	890168	3320.80	7907.20	3320.80	7906.30	1	1	FT04	
1973	33197907	01JUN1989	MR12	890178	3319.50	7907.20	3318.80	7907.50	1	1	FT04	
1974	33187907	01JUN1989	MR12	890180	3318.10	7907.30	3317.40	7907.50	1	1	FT04	
1975	33137908	01JUN1989	MR12	890182	3313.20	7908.30	3313.10	7907.20	1	1	FT04	
1976	33127906	01JUN1989	MR12	890184	3312.00	7906.80	3312.70	7906.20	1	1	FT04	
1977	32507938	14JUN1989	MR12	890204	3250.40	7938.80	3249.90	7939.40	1	1	FT04	
1978	33477840	18JUL1989	MR12	890214	3347.10	7840.90	3347.30	7839.90	1	1	FT04	
1979	33477838	18JUL1989	MR12	890216	3347.40	7838.50	3347.60	7837.60	1	1	FT04	
1980	33497833	18JUL1989	MR12	890218	3349.20	7833.40	3349.10	7834.30	1	1	FT04	
1981	33537820	18JUL1989	MR12	890220	3353.20	7820.50	3353.50	7819.50	1	1	FT04	
1982	33267902	21JUL1989	MR12	890246	3326.30	7902.90	3326.40	7903.90	1	1	FT04	
1983	33227906	21JUL1989	MR12	890248	3322.80	7906.70	3322.20	7907.30	1	1	FT04	
1984	33217906	21JUL1989	MR12	890250	3321.20	7906.50	3321.40	7907.40	1	1	FT04	
1985	33207907	21JUL1989	MR12	890252	3320.80	7907.00	3320.80	7906.00	1	1	FT04	
1986	33197907	21JUL1989	MR12	890254	3319.30	7907.20	3318.60	7907.50	1	1	FT04	
1987	33187907	21JUL1989	MR12	890256	3318.20	7907.30	3317.40	7907.40	1	1	FT04	
1988	33137907	21JUL1989	MR12	890258	3313.30	7907.90	3313.30	7907.00	1	1	FT04	
1989	33117907	21JUL1989	MR12	890260	3311.90	7907.00	3312.70	7906.50	1	1	FT04	
1990	33087908	21JUL1989	MR12	890262	3308.30	7908.90	3307.80	7909.50	1	1	FT04	
1991	32547926	22JUL1989	MR12	890268	3254.80	7926.00	3255.50	7925.30	1	1	FT04	
1992	32507938	22JUL1989	MR12	890270	3250.50	7938.80	3249.90	7939.40	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MI
1969		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1970		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1971		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1972		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1973		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1974		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1975		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1976		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1977		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1978		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1979		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1980		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1981		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1982		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1983		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1984		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1985		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1986		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1987		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1988		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1989		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1990		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1991		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1992		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
1993	32487940	22JUL1989	MR12	890272	3248.40	7940.40	3249.00	7939.80	1	1	FT04	
1994	32357957	22JUL1989	MR12	890274	3235.80	7957.00	3236.20	7956.20	1	1	FT04	
1995	32238016	31JUL1989	MR12	890276	3223.70	8016.30	3223.30	8017.00	1	1	FT04	
1996	32238017	31JUL1989	MR12	890278	3223.80	8017.20	3224.20	8016.40	1	1	FT04	
1997	32188022	31JUL1989	MR12	890280	3218.00	8022.00	3217.70	8023.00	1	1	FT04	
1998	32168028	31JUL1989	MR12	890282	3216.60	8028.00	3216.70	8027.30	1	1	FT04	
1999	32148031	31JUL1989	MR12	890284	3214.20	8031.90	3214.40	8031.10	1	1	FT04	
2000	33367850	17OCT1989	MR12	890366	3336.00	7850.40	3335.50	7851.10	1	1	FT04	
2001	33357844	17OCT1989	MR12	890368	3335.90	7844.60	3335.90	7843.70	1	1	FT04	
2002	32547926	23OCT1989	MR12	890380	3254.70	7926.20	3255.40	7925.80	1	1	FT04	
2003	33087908	23OCT1989	MR12	890386	3308.20	7908.90	3307.60	7909.80	1	1	FT04	
2004	33537820	24OCT1989	MR12	890388	3353.20	7820.60	3353.50	7819.60	1	1	FT04	
2005	33497833	24OCT1989	MR12	890394	3349.10	7833.20	3349.10	7834.20	1	1	FT04	
2006	33477838	24OCT1989	MR12	890396	3347.40	7838.20	3347.40	7839.20	1	1	FT04	
2007	33477841	24OCT1989	MR12	890398	3347.00	7841.00	3346.30	7840.60	1	1	FT04	
2008	33117906	25OCT1989	MR12	890400	3311.90	7906.90	3312.50	7906.50	1	1	FT04	
2009	33137908	25OCT1989	MR12	890402	3313.20	7908.20	3313.00	7907.30	1	1	FT04	
2010	33187907	25OCT1989	MR12	890404	3318.20	7907.30	3317.40	7907.60	1	1	FT04	
2011	33197907	25OCT1989	MR12	890406	3319.50	7907.20	3318.70	7907.60	1	1	FT04	
2012	33207907	25OCT1989	MR12	890408	3320.70	7907.10	3320.50	7906.20	1	1	FT04	
2013	33217906	25OCT1989	MR12	890410	3321.20	7906.50	3321.20	7907.40	1	1	FT04	
2014	33227907	25OCT1989	MR12	890412	3322.20	7907.20	3323.00	7907.00	1	1	FT04	
2015	33197907	26OCT1989	MR12	890414	3319.20	7907.20	3318.20	7907.20	1	1	FT04	
2016	32467937	01NOV1989	MR12	890422	3246.80	7937.30	3246.70	7938.20	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
1993		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1994		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1995		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1996		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1997		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1998		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
1999		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2000		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2001		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2002		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2003		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2004		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2005		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2006		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2007		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2008		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2009		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2010		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2011		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2012		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2013		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2014		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2015		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2016		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
2017	32507938	01NOV1989	MR12	890424	3250.30	7938.90	3249.80	7939.50	1	1	FT04	
2018	32487940	01NOV1989	MR12	890426	3248.60	7940.30	3249.20	7939.00	1	1	FT04	
2019	32357957	01NOV1989	MR12	890428	3235.80	7957.00	3236.10	7956.20	1	1	FT04	
2020	32298010	02NOV1989	MR12	890438	3229.50	8010.80	3229.80	8009.80	1	1	FT04	
2021	32347955	02NOV1989	MR12	890440	3234.80	7955.70	3234.90	7954.80	1	1	FT04	
2022	32148031	13NOV1989	MR12	890522	3214.30	8031.80	3214.40	8030.70	1	1	FT04	
2023	32168028	13NOV1989	MR12	890524	3216.50	8028.00	3216.60	8027.20	1	1	FT04	
2024	32178022	13NOV1989	MR12	890526	3217.70	8022.80	3218.00	8022.20	1	1	FT04	
2025	32238017	14NOV1989	MR12	890530	3223.80	8017.00	3224.40	8016.30	1	1	FT04	
2026	32487940	23APR1990	MR12	900002	3248.40	7940.40	3249.00	7940.00	1	1	FT04	
2027	32507938	23APR1990	MR12	900004	3250.40	7938.80	3249.80	7939.40	1	1	FT04	
2028	32537931	23APR1990	MR12	900006	3253.30	7931.00	3253.90	7930.70	1	1	FT04	
2029	32547926	23APR1990	MR12	900008	3254.60	7926.30	3255.30	7925.80	1	1	FT04	
2030	32567923	23APR1990	MR12	900010	3256.80	7923.30	3257.30	7922.60	1	1	FT04	
2031	33537820	24APR1990	MR12	900020	3353.10	7820.60	3353.30	7819.70	1	1	FT04	
2032	33497833	24APR1990	MR12	900022	3349.10	7833.30	3349.20	7834.20	1	1	FT04	
2033	33497836	24APR1990	MR12	900024	3349.00	7836.30	3348.90	7837.20	1	1	FT04	
2034	33477838	25APR1990	MR12	900026	3347.40	7838.50	3347.30	7839.40	1	1	FT04	
2035	33467840	25APR1990	MR12	900028	3346.90	7840.80	3346.70	7841.10	1	1	FT04	
2036	33367855	25APR1990	MR12	900030	3336.50	7855.70	3335.90	7856.20	1	1	FT04	
2037	33257905	25APR1990	MR12	900032	3325.10	7905.90	3324.60	7905.30	1	1	FT04	
2038	33227907	25APR1990	MR12	900034	3322.30	7907.20	3323.10	7907.00	1	1	FT04	
2039	33217906	25APR1990	MR12	900036	3321.30	7906.40	3321.70	7907.40	1	1	FT04	
2040	33207907	26APR1990	MR12	900038	3320.70	7907.00	3320.80	7906.10	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
2017		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2018		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2019		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2020		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2021		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2022		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2023		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2024		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2025		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2026		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2027		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2028		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2029		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2030		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2031		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2032		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2033		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2034		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2035		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2036		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2037		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2038		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2039		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2040		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
2041	33197907	26APR1990	MR12	900040	3319.00	7907.10	3318.30	7907.10	1	1	FT04	
2042	33197907	26APR1990	MR12	900042	3319.40	7907.20	3318.50	7907.50	1	1	FT04	
2043	33187907	26APR1990	MR12	900044	3318.00	7907.30	3317.10	7907.40	1	1	FT04	
2044	33137907	26APR1990	MR12	900046	3313.10	7907.90	3312.90	7907.00	1	1	FT04	
2045	33087909	26APR1990	MR12	900048	3308.20	7909.00	3307.60	7909.60	1	1	FT04	
2046	33047909	26APR1990	MR12	900052	3304.10	7909.30	3303.60	7909.80	1	1	FT04	
2047	32178022	08MAY1990	MR12	900084	3217.90	8022.30	3217.70	8023.20	1	1	FT04	
2048	32168027	08MAY1990	MR12	900086	3216.60	8027.80	3216.70	8026.70	1	1	FT04	
2049	32148031	08MAY1990	MR12	900088	3214.20	8031.60	3214.40	8030.40	1	1	FT04	
2050	32118032	08MAY1990	MR12	900090	3211.20	8032.00	3210.40	8031.80	1	1	FT04	
2051	32048045	08MAY1990	MR12	900092	3204.30	8045.10	3203.70	8045.70	1	1	FT04	
2052	32338004	09MAY1990	MR12	900110	3233.50	8004.60	3233.20	8005.60	1	1	FT04	
2053	32238017	23MAY1990	MR12	900200	3223.80	8017.10	3224.40	8016.60	1	1	FT04	
2054	32248018	23MAY1990	MR12	900202	3224.00	8018.40	3224.20	8017.40	1	1	FT04	
2055	32298010	23MAY1990	MR12	900204	3229.50	8010.60	3229.80	8009.60	1	1	FT04	
2056	32357957	23MAY1990	MR12	900208	3235.80	7957.10	3236.10	7956.60	1	1	FT04	
2057	32377953	23MAY1990	MR12	900210	3237.30	7953.70	3237.70	7953.00	1	1	FT04	
2058	32048045	19JUL1990	MR12	900230	3204.20	8045.20	3203.50	8045.60	1	1	FT04	
2059	32118031	19JUL1990	MR12	900232	3211.20	8031.90	3210.40	8031.90	1	1	FT04	
2060	32148031	19JUL1990	MR12	900234	3214.10	8031.90	3214.30	8031.10	1	1	FT04	
2061	32168028	19JUL1990	MR12	900236	3216.60	8028.00	3216.70	8027.40	1	1	FT04	
2062	32178023	19JUL1990	MR12	900238	3217.60	8023.30	3218.00	8022.70	1	1	FT04	
2063	32248018	19JUL1990	MR12	900240	3224.00	8018.60	3224.30	8017.80	1	1	FT04	
2064	32238017	19JUL1990	MR12	900242	3223.80	8017.10	3224.50	8016.50	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
2041		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2042		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2043		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2044		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2045		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2046		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2047		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2048		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2049		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2050		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2051		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2052		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2053		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2054		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2055		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2056		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2057		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2058		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2059		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2060		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2061		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2062		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2063		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2064		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEI
2065	32298010	20JUL1990	MR12	900244	3229.50	8010.60	3229.90	8009.70	1	1	FT04	
2066	32338004	20JUL1990	MR12	900246	3233.40	8004.70	3233.10	8005.40	1	1	FT04	
2067	32357956	20JUL1990	MR12	900248	3235.90	7956.90	3236.20	7955.90	1	1	FT04	
2068	32377953	20JUL1990	MR12	900250	3237.20	7953.70	3237.50	7952.90	1	1	FT04	
2069	32487940	20JUL1990	MR12	900252	3248.30	7940.40	3249.00	7940.00	1	1	FT04	
2070	32507938	24JUL1990	MR12	900254	3250.40	7938.90	3249.80	7939.60	1	1	FT04	
2071	32537930	24JUL1990	MR12	900256	3253.50	7930.80	3254.20	7930.20	1	1	FT04	
2072	32547926	24JUL1990	MR12	900258	3254.80	7926.10	3255.40	7925.30	1	1	FT04	
2073	32567923	24JUL1990	MR12	900260	3256.80	7923.30	3257.10	7922.30	1	1	FT04	
2074	33047909	24JUL1990	MR12	900264	3304.10	7909.30	3303.40	7909.90	1	1	FT04	
2075	33087908	24JUL1990	MR12	900270	3307.60	7910.00	0.00	0.00	1	1	FT04	
2076	33137907	24JUL1990	MR12	900272	3313.20	7907.90	3313.10	7907.10	1	1	FT04	
2077	33187907	25JUL1990	MR12	900274	3318.00	7907.40	3317.20	7907.70	1	1	FT04	
2078	33197907	25JUL1990	MR12	900276	3319.30	7907.30	3318.60	7907.70	1	1	FT04	
2079	33197907	25JUL1990	MR12	900278	3319.00	7907.00	3318.20	7907.20	1	1	FT04	
2080	33207907	25JUL1990	MR12	900280	3320.60	7907.00	3320.40	7906.10	1	1	FT04	
2081	33217906	25JUL1990	MR12	900282	3321.20	7906.60	3321.10	7907.60	1	1	FT04	
2082	33227907	25JUL1990	MR12	900284	3322.20	7907.20	3322.90	7907.00	1	1	FT04	
2083	33257905	25JUL1990	MR12	900286	3325.10	7905.90	3324.40	7905.70	1	1	FT04	
2084	33357856	25JUL1990	MR12	900288	3335.90	7856.20	3336.50	7855.70	1	1	FT04	
2085	33477840	25JUL1990	MR12	900290	3347.30	7840.90	3346.60	7840.60	1	1	FT04	
2086	33477838	26JUL1990	MR12	900292	3347.40	7838.50	3347.20	7839.50	1	1	FT04	
2087	33487836	26JUL1990	MR12	900294	3348.20	7836.60	3348.10	7837.70	1	1	FT04	
2088	33497834	26JUL1990	MR12	900296	3349.20	7834.00	3349.10	7833.10	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MI
2065		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2066		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2067		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2068		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2069		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2070		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2071		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2072		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2073		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2074		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2075		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2076		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2077		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2078		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2079		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2080		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2081		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2082		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2083		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2084		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2085		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2086		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2087		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2088		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
2089	33537820	26JUL1990	MR12	900298	3353.10	7820.60	3353.40	7819.70	1	1	FT04	
2090	32487940	15OCT1990	MR12	900382	3248.50	7940.30	3249.20	7939.70	1	1	FT04	
2091	32507938	15OCT1990	MR12	900384	3250.30	7938.90	3249.70	7939.40	1	1	FT04	
2092	32537930	15OCT1990	MR12	900386	3253.30	7930.80	3254.00	7930.40	1	1	FT04	
2093	32547926	15OCT1990	MR12	900388	3254.60	7926.30	3255.30	7925.70	1	1	FT04	
2094	32567923	15OCT1990	MR12	900390	3256.90	7923.30	3257.30	7922.50	1	1	FT04	
2095	33047909	24OCT1990	MR12	900436	3304.10	7909.30	3303.60	7910.00	1	1	FT04	
2096	33087908	24OCT1990	MR12	900438	3308.20	7908.90	3307.70	7909.60	1	1	FT04	
2097	33137908	24OCT1990	MR12	900440	3313.20	7908.20	3313.00	7907.20	1	1	FT04	
2098	33187907	24OCT1990	MR12	900442	3318.20	7907.30	3317.30	7907.50	1	1	FT04	
2099	33197907	24OCT1990	MR12	900444	3319.40	7907.20	3318.70	7907.60	1	1	FT04	
2100	32377953	31OCT1990	MR12	900458	3237.30	7953.50	3237.60	7952.50	1	1	FT04	
2101	32357956	31OCT1990	MR12	900460	3235.90	7956.80	3236.10	7955.90	1	1	FT04	
2102	32328004	31OCT1990	MR12	900462	3232.90	8004.40	3232.50	8005.20	1	1	FT04	
2103	32298010	31OCT1990	MR12	900464	3229.50	8010.70	3229.80	8009.80	1	1	FT04	
2104	32248016	31OCT1990	MR12	900466	3224.40	8016.60	3223.70	8017.30	1	1	FT04	
2105	32248018	31OCT1990	MR12	900468	3224.00	8018.60	3224.40	8018.00	1	1	FT04	
2106	32188022	31OCT1990	MR12	900470	3218.00	8022.10	3217.80	8023.20	1	1	FT04	
2107	32168026	31OCT1990	MR12	900472	3216.80	8026.60	3216.70	8027.60	1	1	FT04	
2108	33497833	13NOV1990	MR12	900520	3349.00	7833.40	3348.90	7834.30	1	1	FT04	
2109	33487837	13NOV1990	MR12	900522	3348.20	7837.00	3348.10	7838.00	1	1	FT04	
2110	33477838	13NOV1990	MR12	900524	3347.40	7838.30	3347.20	7839.30	1	1	FT04	
2111	33477841	13NOV1990	MR12	900526	3347.40	7841.00	3346.70	7840.50	1	1	FT04	
2112	33367855	13NOV1990	MR12	900528	3336.50	7855.40	3335.80	7856.30	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
2089		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2090		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2091		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2092		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2093		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2094		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2095		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2096		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2097		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2098		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2099		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2100		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2101		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2102		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2103		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2104		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2105		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2106		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2107		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2108		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2109		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2110		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2111		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2112		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEP
2113	33247905	14NOV1990	MR12	900530	3324.90	7905.80	3324.20	7905.40	1	1	FT04	
2114	33227907	14NOV1990	MR12	900532	3322.40	7907.20	3322.90	7907.00	1	1	FT04	
2115	33217906	14NOV1990	MR12	900534	3321.20	7906.50	3321.20	7907.50	1	1	FT04	
2116	33207907	14NOV1990	MR12	900536	3320.70	7907.00	3320.50	7906.10	1	1	FT04	
2117	33197907	14NOV1990	MR12	900538	3319.20	7907.20	3318.30	7907.30	1	1	FT04	
2118	32048045	15NOV1990	MR12	900544	3204.30	8045.10	3203.60	8045.60	1	1	FT04	
2119	32108031	15NOV1990	MR12	900546	3210.30	8031.80	3211.10	8031.90	1	1	FT04	
2120	32148031	15NOV1990	MR12	900548	3214.20	8031.90	3214.30	8031.20	1	1	FT04	
2121	33537820	23APR1991	MR12	910004	3353.20	7820.40	3353.30	7819.60	1	1	FT04	
2122	33497833	24APR1991	MR12	910010	3349.10	7833.20	3349.10	7834.10	1	1	FT04	
2123	33487836	24APR1991	MR12	910012	3348.20	7836.80	3348.10	7837.70	1	1	FT04	
2124	33477838	24APR1991	MR12	910014	3347.40	7838.20	3347.30	7839.20	1	1	FT04	
2125	33477841	24APR1991	MR12	910016	3347.30	7841.00	3346.60	7840.60	1	1	FT04	
2126	33367855	24APR1991	MR12	910018	3336.50	7855.80	3335.80	7856.20	1	1	FT04	
2127	33257905	24APR1991	MR12	910020	3325.10	7905.90	3324.40	7905.40	1	1	FT04	
2128	33227907	25APR1991	MR12	910022	3322.40	7907.20	3323.00	7907.20	1	1	FT04	
2129	33217906	25APR1991	MR12	910024	3321.20	7906.40	3321.10	7907.30	1	1	FT04	
2130	33207907	25APR1991	MR12	910026	3320.70	7907.20	3320.50	7906.40	1	1	FT04	
2131	33197907	25APR1991	MR12	910028	3319.40	7907.10	3318.20	7907.40	1	1	FT04	
2132	33197907	25APR1991	MR12	910030	3319.40	7907.10	3318.70	7907.60	1	1	FT04	
2133	33187907	25APR1991	MR12	910032	3318.20	7907.30	3317.40	7907.60	1	1	FT04	
2134	33127906	25APR1991	MR12	910034	3312.80	7906.90	3313.20	7907.80	1	1	FT04	
2135	33087908	25APR1991	MR12	910036	3308.20	7908.90	3307.80	7909.70	1	1	FT04	
2136	33047909	26APR1991	MR12	910038	3304.00	7909.30	3303.50	7909.90	1	1	FT04	1

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MI
2113		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2114		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2115		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2116		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2117		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2118		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2119		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2120		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2121		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2122		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2123		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2124		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2125		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2126		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2127		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2128		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2129		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2130		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2131		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2132		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2133		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2134		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2135		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2136		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DI
2137	32377953	30APR1991	MR12	910042	3237.40	7953.70	3237.80	7952.80	1	1	FT04	
2138	32357956	30APR1991	MR12	910044	3235.90	7956.90	3236.20	7956.00	1	1	FT04	
2139	32338004	30APR1991	MR12	910050	3233.00	8004.30	3232.60	8005.30	1	1	FT04	
2140	32048045	01MAY1991	MR12	910056	3204.30	8045.20	3203.70	8045.90	1	1	FT04	
2141	32108031	01MAY1991	MR12	910064	3210.40	8031.80	3211.30	8031.90	1	1	FT04	
2142	32148031	01MAY1991	MR12	910066	3214.30	8031.70	3214.50	8031.00	1	1	FT04	
2143	32168027	02MAY1991	MR12	910068	3216.60	8027.90	3216.70	8027.10	1	1	FT04	
2144	32178022	02MAY1991	MR12	910070	3217.90	8022.20	3217.60	8023.20	1	1	FT04	
2145	32238017	02MAY1991	MR12	910074	3223.70	8017.20	3224.40	8016.60	1	1	FT04	
2146	32298010	02MAY1991	MR12	910076	3229.40	8010.80	3229.70	8009.80	1	1	FT04	
2147	32487940	02MAY1991	MR12	910080	3248.30	7940.40	3249.00	7940.00	1	1	FT04	
2148	32507938	02MAY1991	MR12	910082	3250.30	7938.80	3249.70	7939.50	1	1	FT04	
2149	32537930	06MAY1991	MR12	910084	3253.40	7930.80	3254.00	7930.20	1	1	FT04	
2150	32547926	06MAY1991	MR12	910086	3254.60	7926.20	3255.30	7925.60	1	1	FT04	
2151	32567923	06MAY1991	MR12	910088	3256.80	7923.30	3257.20	7922.40	1	1	FT04	
2152	32537930	19JUL1991	MR12	910242	3253.30	7930.80	3254.00	7930.40	1	1	FT04	
2153	32507938	19JUL1991	MR12	910244	3250.30	7938.60	3249.80	7939.40	1	1	FT04	
2154	32377953	22JUL1991	MR12	910246	3237.60	7953.00	3237.40	7953.70	1	1	FT04	
2155	32367956	22JUL1991	MR12	910248	3236.10	7956.60	3235.60	7957.00	1	1	FT04	
2156	32338004	22JUL1991	MR12	910250	3233.00	8004.20	3232.60	8005.00	1	1	FT04	
2157	32298009	22JUL1991	MR12	910252	3229.70	8009.60	3229.40	8010.40	1	1	FT04	
2158	32248016	22JUL1991	MR12	910254	3224.40	8016.60	3223.80	8017.20	1	1	FT04	
2159	32248017	22JUL1991	MR12	910256	3224.30	8017.60	3224.00	8018.60	1	1	FT04	
2160	32188022	22JUL1991	MR12	910258	3218.00	8022.10	3217.80	8023.00	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
2137		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2138		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2139		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2140		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2141		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2142		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2143		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2144		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2145		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2146		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2147		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2148		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2149		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2150		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2151		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2152		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2153		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2154		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2155		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2156		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2157		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2158		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2159		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2160		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEP
2161	32168026	22JUL1991	MR12	910260	3216.80	8026.60	3216.70	8027.50	1	1	FT04	
2162	32148032	22JUL1991	MR12	910262	3214.10	8032.80	3214.50	8031.90	1	1	FT04	
2163	32487940	26JUL1991	MR12	910298	3248.20	7940.50	3249.00	7939.90	1	1	FT04	
2164	32547926	26JUL1991	MR12	910300	3254.60	7926.20	3255.30	7925.50	1	1	FT04	
2165	32567923	26JUL1991	MR12	910302	3256.80	7923.20	3257.30	7922.30	1	1	FT04	
2166	32118032	30JUL1991	MR12	910306	3211.40	8032.00	3210.70	8031.80	1	1	FT04	
2167	32048045	30JUL1991	MR12	910308	3204.30	8045.20	3203.70	8045.90	1	1	FT04	
2168	33197907	01AUG1991	MR12	910328	3319.40	7907.20	3318.70	7907.60	1	1	FT04	
2169	33207907	01AUG1991	MR12	910330	3320.60	7907.40	3320.70	7906.50	1	1	FT04	
2170	33197907	01AUG1991	MR12	910332	3319.20	7907.10	3318.50	7907.20	1	1	FT04	
2171	33187907	01AUG1991	MR12	910334	3318.00	7907.40	3317.20	7907.30	1	1	FT04	
2172	33137908	01AUG1991	MR12	910336	3313.20	7908.40	3313.00	7907.20	1	1	FT04	
2173	33087909	01AUG1991	MR12	910338	3308.20	7909.00	3307.60	7909.60	1	1	FT04	
2174	33047909	01AUG1991	MR12	910340	3304.10	7909.30	3303.40	7909.90	1	1	FT04	1
2175	33047909	01AUG1991	MR12	910342	3304.00	7909.50	3303.50	7908.70	1	1	FT04	
2176	33497833	06AUG1991	MR12	910352	3349.10	7833.30	3349.00	7834.30	1	1	FT04	
2177	33487836	06AUG1991	MR12	910354	3348.20	7836.90	3348.10	7837.90	1	1	FT04	
2178	33477838	06AUG1991	MR12	910356	3347.30	7838.40	3347.30	7839.40	1	1	FT04	1
2179	33477841	06AUG1991	MR12	910358	3347.30	7841.00	3346.60	7840.60	1	1	FT04	1
2180	33367855	06AUG1991	MR12	910360	3336.50	7855.80	3335.80	7856.40	1	1	FT04	
2181	33257905	07AUG1991	MR12	910362	3325.10	7905.80	3324.30	7905.30	1	1	FT04	
2182	33227907	07AUG1991	MR12	910364	3322.20	7907.20	3322.90	7907.00	1	1	FT04	
2183	33217906	07AUG1991	MR12	910366	3321.20	7906.40	3321.10	7907.30	1	1	FT04	
2184	32377953	07OCT1991	MR12	910368	3237.60	7953.00	3237.10	7953.80	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MI
2161		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2162		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2163		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2164		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2165		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2166		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2167		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2168		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2169		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2170		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2171		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2172		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2173		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2174		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2175		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2176		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2177		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2178		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2179		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2180		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2181		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2182		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2183		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2184		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
2185	32357957	07OCT1991	MR12	910370	3235.80	7957.00	3236.00	7956.20	1	1	FT04	
2186	32328004	07OCT1991	MR12	910372	3232.90	8004.20	3232.40	8005.10	1	1	FT04	
2187	32298009	07OCT1991	MR12	910374	3229.70	8009.60	3229.40	8010.60	1	1	FT04	
2188	32248016	07OCT1991	MR12	910376	3224.40	8016.60	3223.80	8017.40	1	1	FT04	
2189	32487940	10OCT1991	MR12	910382	3248.40	7940.40	3249.00	7939.90	1	1	FT04	
2190	32507938	10OCT1991	MR12	910384	3250.40	7938.70	3249.90	7939.30	1	1	FT04	
2191	32537930	10OCT1991	MR12	910386	3253.90	7930.60	3253.10	7930.90	1	1	FT04	
2192	32557925	10OCT1991	MR12	910388	3255.10	7925.90	3254.50	7926.20	1	1	FT04	
2193	32577922	10OCT1991	MR12	910390	3257.30	7922.60	3257.10	7923.40	1	1	FT04	
2194	33187907	11OCT1991	MR12	910392	3318.10	7907.30	3317.40	7907.40	1	1	FT04	
2195	33197907	11OCT1991	MR12	910394	3319.40	7907.20	3318.70	7907.50	1	1	FT04	
2196	33197907	11OCT1991	MR12	910396	3319.20	7907.10	3318.40	7907.10	1	1	FT04	
2197	33137908	11OCT1991	MR12	910398	3313.30	7908.10	3313.00	7907.20	1	1	FT04	
2198	33087908	11OCT1991	MR12	910400	3308.20	7908.90	3307.60	7909.40	1	1	FT04	
2199	33047909	11OCT1991	MR12	910402	3304.10	7909.30	3303.50	7909.80	1	1	FT04	
2200	33207907	31OCT1991	MR12	910446	3320.60	7907.20	3320.70	7906.10	1	1	FT04	
2201	33217906	31OCT1991	MR12	910448	3321.10	7906.50	3321.20	7907.40	1	1	FT04	
2202	33227907	31OCT1991	MR12	910450	3322.20	7907.20	3323.00	7907.00	1	1	FT04	
2203	33227906	31OCT1991	MR12	910452	3322.10	7906.00	3324.50	7905.30	1	1	FT04	
2204	33367855	31OCT1991	MR12	910454	3336.50	7855.70	3335.80	7856.20	1	1	FT04	
2205	33497833	02NOV1991	MR12	910470	3349.10	7833.20	3349.10	7834.10	1	1	FT04	
2206	33487836	02NOV1991	MR12	910472	3348.10	7836.80	3348.20	7837.70	1	1	FT04	
2207	33477838	02NOV1991	MR12	910474	3347.40	7838.40	3347.30	7839.30	1	1	FT04	
2208	33477841	02NOV1991	MR12	910476	3347.50	7841.10	3346.80	7840.60	1	1	FT04	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
2185		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2186		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2187		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2188		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2189		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2190		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2191		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2192		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2193		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2194		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2195		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2196		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2197		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2198		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2199		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2200		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2201		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2202		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2203		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2204		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2205		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2206		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2207		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2208		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
2209	32048045	16NOV1991	MR12	910528	3204.30	8045.10	3203.60	8045.70	1	1	FT04	8	8	MH
2210	32108031	16NOV1991	MR12	910530	3210.40	8031.80	3211.20	8031.90	1	1	FT04	7	9	MH
2211	32148031	16NOV1991	MR12	910532	3214.10	8031.90	3214.40	8031.10	1	1	FT04	6	8	MH
2212	32168028	16NOV1991	MR12	910534	3216.60	8028.00	3216.80	8027.10	1	1	FT04	6	6	MH
2213	32178023	16NOV1991	MR12	910536	3217.60	8023.20	3218.00	8022.30	1	1	FT04	8	8	MH
2214	32248018	16NOV1991	MR12	910538	3224.00	8018.60	3224.40	8017.80	1	1	FT04	8	8	MH
2215	32038044	29SEP1993	MR13	BA10	3203.01	8044.74	0.00	0.00	1	0	SD01	0	0	AR
2216	32038044	29SEP1993	MR13	BA10a	3203.01	8044.61	0.00	0.00	1	0	SD01	0	0	AR
2217	32028044	29SEP1993	MR13	BA10b	3202.94	8044.70	0.00	0.00	1	0	SD01	0	0	AR
2218	32168024	29SEP1993	MR13	BA2	3216.99	8024.64	0.00	0.00	1	0	SD01	0	0	AR
2219	32178023	29SEP1993	MR13	BA3	3217.21	8023.41	0.00	0.00	1	0	SD01	0	0	AR
2220	32158022	29SEP1993	MR13	BA3a	3215.39	8022.24	0.00	0.00	1	0	SD01	0	0	AR
2221	32158022	29SEP1993	MR13	BA3b	3215.37	8022.26	0.00	0.00	1	0	SD01	0	0	AR
2222	32158022	29SEP1993	MR13	BA3c	3215.29	8022.31	0.00	0.00	1	0	SD01	0	0	AR
2223	32128020	29SEP1993	MR13	BA4	3212.84	8020.10	0.00	0.00	1	0	SD01	0	0	AR
2224	32138020	29SEP1993	MR13	BA4a	3213.01	8020.22	0.00	0.00	1	0	SD01	0	0	AR
2225	32138020	29SEP1993	MR13	BA4b	3213.01	8020.26	0.00	0.00	1	0	SD01	0	0	AR
2226	32128020	29SEP1993	MR13	BA4c	3212.83	8020.09	0.00	0.00	1	0	SD01	0	0	AR
2227	32108033	29SEP1993	MR13	BA5	3210.00	8033.06	0.00	0.00	1	0	SD01	0	0	AR
2228	32088041	29SEP1993	MR13	BA6a	3208.33	8041.16	0.00	0.00	1	0	SD01	0	0	AR
2229	32058041	29SEP1993	MR13	BA9	3205.70	8041.85	0.00	0.00	1	0	SD01	0	0	AR
2230	32427945	29SEP1993	MR13	CA11	3242.50	7945.32	0.00	0.00	1	0	SD01	0	0	AR
2231	32427945	29SEP1993	MR13	CA11a	3242.49	7945.25	0.00	0.00	1	0	SD01	0	0	AR
2232	32447934	29SEP1993	MR13	CA5	3244.39	7934.01	0.00	0.00	1	0	SD01	0	0	AR

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
2209		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2210		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2211		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2212		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2213		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2214		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2215		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2216		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2217		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2218		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2219		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2220		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2221		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2222		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2223		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2224		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2225		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2226		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2227		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2228		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2229		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2230		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2231		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2232		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEI
2233	32447934	29SEP1993	MR13	CA5a	3244.24	7934.19	0.00	0.00	1	0	SD01	
2234	32447934	29SEP1993	MR13	CA5b	3244.37	7934.23	0.00	0.00	1	0	SD01	
2235	32447934	29SEP1993	MR13	CA5c	3244.40	7934.16	0.00	0.00	1	0	SD01	
2236	32447934	29SEP1993	MR13	CA5d	3244.39	7934.19	0.00	0.00	1	0	SD01	
2237	32447934	29SEP1993	MR13	CA5e	3244.40	7934.18	0.00	0.00	1	0	SD01	
2238	32447934	29SEP1993	MR13	CA5f	3244.36	7934.11	0.00	0.00	1	0	SD01	
2239	32447934	29SEP1993	MR13	CA5g	3244.82	7934.14	0.00	0.00	1	0	SD01	
2240	32447934	29SEP1993	MR13	CA5h	3244.81	7934.17	0.00	0.00	1	0	SD01	
2241	32447934	29SEP1993	MR13	CA5i	3244.38	7934.18	0.00	0.00	1	0	SD01	
2242	32457933	29SEP1993	MR13	CA5j	3245.09	7933.89	0.00	0.00	1	0	SD01	
2243	32457933	29SEP1993	MR13	CA5k	3245.09	7933.99	0.00	0.00	1	0	SD01	
2244	32447934	29SEP1993	MR13	CA5l	3244.40	7934.23	0.00	0.00	1	0	SD01	
2245	32447934	29SEP1993	MR13	CA5m	3244.28	7934.22	0.00	0.00	1	0	SD01	
2246	32457933	29SEP1993	MR13	CA5n	3245.06	7933.98	0.00	0.00	1	0	SD01	
2247	32447934	29SEP1993	MR13	CA5o	3244.90	7934.20	0.00	0.00	1	0	SD01	
2248	33307857	29SEP1993	MR13	MA12	3330.54	7857.69	0.00	0.00	1	0	SD01	
2249	33307857	29SEP1993	MR13	MA12a	3330.62	7857.51	0.00	0.00	1	0	SD01	
2250	33307857	29SEP1993	MR13	MA12b	3330.37	7857.56	0.00	0.00	1	0	SD01	
2251	33307857	29SEP1993	MR13	MA12c	3330.73	7857.69	0.00	0.00	1	0	SD01	
2252	33267852	29SEP1993	MR13	MA14	3326.08	7852.36	0.00	0.00	1	0	SD01	
2253	33257852	29SEP1993	MR13	MA14a	3325.97	7852.28	0.00	0.00	1	0	SD01	
2254	33267852	29SEP1993	MR13	MA14b	3326.11	7852.26	0.00	0.00	1	0	SD01	
2255	33257851	29SEP1993	MR13	MA14c	3325.13	7851.16	0.00	0.00	1	0	SD01	
2256	33257900	29SEP1993	MR13	MA15	3325.76	7900.26	0.00	0.00	1	0	SD01	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
2233		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2234		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2235		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2236		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2237		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2238		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2239		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2240		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2241		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2242		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2243		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2244		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2245		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2246		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2247		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2248		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2249		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2250		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2251		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2252		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2253		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2254		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2255		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2256		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
2257	33257900	29SEP1993	MR13	MA15a	3325.83	7900.23	0.00	0.00	1	0	SD01	0	0	AR
2258	33257900	29SEP1993	MR13	MA15b	3325.83	7900.30	0.00	0.00	1	0	SD01	0	0	AR
2259	33257900	29SEP1993	MR13	MA15c	3325.76	7900.26	0.00	0.00	1	0	SD01	0	0	AR
2260	33127904	29SEP1993	MR13	MA18i	3312.51	7904.79	0.00	0.00	1	0	SD01	0	0	AR
2261	32288012	01MAY1991	MU01	B1	3228.15	8012.92	0.00	0.00	1	0		10	0	HB
2262	32278011	01MAY1991	MU01	B2	3227.12	8011.32	0.00	0.00	1	0		12	0	HB
2263	32138021	01MAY1991	MU01	B21	3213.03	8021.72	0.00	0.00	1	0		12	0	HB
2264	32128027	01MAY1991	MU01	B23	3212.46	8027.94	0.00	0.00	1	0		12	0	HB
2265	32048037	01MAY1991	MU01	B27	3204.13	8037.46	0.00	0.00	1	0		10	0	HB
2266	32028038	01MAY1991	MU01	B29	3202.09	8038.44	0.00	0.00	1	0		13	0	HB
2267	32258010	01MAY1991	MU01	B3	3225.84	8010.96	0.00	0.00	1	0		12	0	HB
2268	32028035	01MAY1991	MU01	B30	3202.86	8035.82	0.00	0.00	1	0		13	0	HB
2269	32208020	01MAY1991	MU01	B41	3220.81	8020.56	0.00	0.00	1	0		9	0	HB
2270	32208018	01MAY1991	MU01	B42	3220.35	8018.65	0.00	0.00	1	0		9	0	HB
2271	32218010	01MAY1991	MU01	B44	3221.90	8010.93	0.00	0.00	1	0		13	0	HB
2272	32417941	01MAY1991	MU02	C172	3241.98	7941.64	0.00	0.00	1	0		12	0	HB
2273	32417941	01MAY1991	MU02	C172a	3241.47	7941.28	0.00	0.00	1	0		12	0	HB
2274	32377946	01MAY1991	MU02	C177	3237.76	7946.45	0.00	0.00	1	0		12	0	HB
2275	32377947	01MAY1991	MU02	C177a	3237.81	7947.06	0.00	0.00	1	0		12	0	HB
2276	32367948	01MAY1991	MU02	C178	3236.14	7948.55	0.00	0.00	1	0		12	0	HB
2277	32367947	01MAY1991	MU02	C178a	3236.12	7947.62	0.00	0.00	1	0		12	0	HB
2278	32397946	01MAY1991	MU02	C181	3239.47	7946.69	0.00	0.00	1	0		12	0	HB
2279	32397947	01MAY1991	MU02	C181a	3239.68	7947.19	0.00	0.00	1	0		12	0	HB
2280	32437938	01MAY1991	MU02	C22a	3243.19	7938.26	0.00	0.00	1	0		12	0	HB

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
2257		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2258		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2259		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2260		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2261	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2262	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2263	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2264	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2265		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2266	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2267	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2268	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2269		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2270		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2271	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2272	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2273	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2274	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2275	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2276	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2277	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2278	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2279	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2280		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
2281	32427939	01MAY1991	MU02	C23	3242.23	7939.99	0.00	0.00	1	0		12	0	MB
2282	32427940	01MAY1991	MU02	C23a	3242.31	7940.84	0.00	0.00	1	0		12	0	MB
2283	32397947	01MAY1991	MU02	C25	3239.56	7947.59	0.00	0.00	1	0		12	0	MB
2284	32547936	01MAY1991	MU02	C27a	3254.36	7936.65	0.00	0.00	1	0		10	0	MB
2285	33457841	01MAY1991	MU03	M1	3345.06	7841.58	0.00	0.00	1	0		9	0	MB
2286	33177905	01MAY1991	MU03	M105	3317.29	7905.16	0.00	0.00	1	0		10	0	MB
2287	33307853	01MAY1991	MU03	M13	3330.38	7853.80	0.00	0.00	1	0		10	0	MB
2288	33447842	01MAY1991	MU03	M1a	3344.02	7842.49	0.00	0.00	1	0		13	0	MB
2289	33427837	01MAY1991	MU03	M2	3342.71	7837.31	0.00	0.00	1	0		12	0	MB
2290	33457834	01MAY1991	MU03	M4	3345.57	7834.31	0.00	0.00	1	0		9	0	MB
2291	33407846	01MAY1991	MU03	M6	3340.55	7846.34	0.00	0.00	1	0		7	0	MB
2292	33397852	01MAY1991	MU03	M7	3339.10	7852.05	0.00	0.00	1	0		43	0	MB
2293	33107902	01MAY1991	MU03	M78	3310.14	7902.75	0.00	0.00	1	0		0	0	PH
2294	32317949	08AUG1992	NA01		3232.00	7949.10	3231.86	7949.10	1	2	SS21	0	0	PH
2295	32317949	08AUG1992	NA01		3231.28	7949.71	3231.02	7949.70	1	2	SS21	0	0	NH
2296	32317949	08AUG1992	NA01		3231.76	7949.71	3231.28	7949.70	1	2	SS21	0	0	NH
2297	32317950	08AUG1992	NA01		3231.84	7950.28	3231.51	7950.20	1	2	SS21	0	0	NH
2298	32317950	08AUG1992	NA01		3231.74	7950.90	3231.63	7950.90	1	2	SS21	0	0	PH
2299	32317950	08AUG1992	NA01		3232.00	7950.90	3231.74	7950.90	1	2	SS21	0	0	MB
2300	32317951	08AUG1992	NA01		3231.90	7951.50	3231.58	7951.50	1	2	SS21	0	0	NH
2301	32317951	08AUG1992	NA01		3232.00	7951.50	3231.90	7951.50	1	2	SS21	0	0	PH
2302	32327946	08AUG1992	NA01		3232.53	7946.11	3232.28	7946.10	1	2	SS21	0	0	NH
2303	32327946	08AUG1992	NA01		3232.00	7946.66	3232.92	7946.60	1	2	SS21	0	0	MB
2304	32327946	08AUG1992	NA01		3232.30	7946.66	3232.00	7946.66	1	2	SS21	0	0	MB

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
2281		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2282		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2283		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2284		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2285	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2286	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2287	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2288		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2289	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2290	M	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2291		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2292	L	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2293		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2294		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2295		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2296		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2297		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2298		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2299		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2300		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2301		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2302		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2303		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2304		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
2305	32327947	08AUG1992	NA01		3233.00	7947.89	3232.49	7947.80	1	2	SS21	
2306	32327947	08AUG1992	NA01		3232.59	7947.30	3232.08	7947.30	1	2	SS21	
2307	32327947	08AUG1992	NA01		3233.00	7947.30	3232.91	7947.30	1	2	SS21	
2308	32327949	08AUG1992	NA01		3232.92	7949.10	3232.64	7949.10	1	2	SS21	
2309	32327950	08AUG1992	NA01		3232.60	7950.90	3232.00	7950.90	1	2	SS21	
2310	32327950	08AUG1992	NA01		3232.80	7950.90	3232.60	7950.90	1	2	SS21	
2311	32327950	08AUG1992	NA01		3232.92	7950.28	3232.23	7950.20	1	2	SS21	
2312	32327951	08AUG1992	NA01		3232.27	7951.50	3232.00	7951.50	1	2	SS21	
2313	32327951	08AUG1992	NA01		3232.69	7951.50	3232.42	7951.50	1	2	SS21	
2314	32337946	08AUG1992	NA01		3233.40	7946.11	3233.00	7946.11	1	2	SS21	
2315	32337946	08AUG1992	NA01		3233.54	7946.66	3233.05	7946.60	1	2	SS21	
2316	32337946	08AUG1992	NA01		3233.40	7946.11	3233.53	7946.10	1	2	SS21	
2317	32337946	08AUG1992	NA01		3233.97	7946.66	3233.91	7946.60	1	2	SS21	
2318	32337946	08AUG1992	NA01		3234.00	7946.66	3233.97	7946.60	1	2	SS21	
2319	32337946	08AUG1992	NA01		3233.91	7946.66	3233.54	7946.60	1	2	SS21	
2320	32337947	08AUG1992	NA01		3233.92	7947.30	3233.65	7947.30	1	2	SS21	
2321	32337947	08AUG1992	NA01		3233.50	7947.30	3233.14	7947.30	1	2	SS21	
2322	32337947	08AUG1992	NA01		3234.00	7947.30	3233.92	7947.30	1	2	SS21	
2323	32337947	08AUG1992	NA01		3233.08	7947.30	3233.00	7947.30	1	2	SS21	
2324	32337947	08AUG1992	NA01		3233.65	7947.30	3233.50	7947.30	1	2	SS21	
2325	32337947	08AUG1992	NA01		3233.18	7947.89	3233.02	7947.80	1	2	SS21	
2326	32337949	08AUG1992	NA01		3233.80	7949.71	3233.73	7949.70	1	2	SS21	
2327	32337949	08AUG1992	NA01		3234.00	7949.71	3233.90	7949.71	1	2	SS21	
2328	32337949	08AUG1992	NA01		3233.90	7949.10	3233.82	7949.10	1	2	SS21	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
2305		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2306		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2307		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2308		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2309		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2310		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2311		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2312		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2313		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2314		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2315		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2316		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2317		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2318		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2319		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2320		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2321		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2322		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2323		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2324		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2325		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2326		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2327		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2328		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
2329	32337949	08AUG1992	NA01		3233.33	7949.10	3233.27	7949.10	1	2	SS21	0	0	MB
2330	32337949	08AUG1992	NA01		3233.73	7949.71	3233.58	7949.70	1	2	SS21	0	0	MB
2331	32337950	08AUG1992	NA01		3234.00	7950.28	3233.76	7950.20	1	2	SS21	0	0	PM
2332	32337950	08AUG1992	NA01		3233.60	7950.90	3233.30	7950.90	1	2	SS21	0	0	MM
2333	32337950	08AUG1992	NA01		3233.30	7950.90	3233.18	7950.90	1	2	SS21	0	0	PM
2334	32337951	08AUG1992	NA01		3233.21	7951.50	3233.06	7951.50	1	2	SS21	0	0	PM
2335	32337951	08AUG1992	NA01		3234.00	7951.50	3233.21	7951.50	1	2	SS21	0	0	MM
2336	32347944	08AUG1992	NA01		3234.76	7944.29	3234.09	7944.20	1	2	SS21	0	0	PM
2337	32347945	08AUG1992	NA01		3234.47	7945.50	3234.40	7945.50	1	2	SS21	0	0	MM
2338	32347945	08AUG1992	NA01		3234.09	7945.50	3234.00	7945.50	1	2	SS21	0	0	PM
2339	32347946	08AUG1992	NA01		3234.89	7946.66	3234.00	7946.66	1	2	SS21	0	0	MM
2340	32347947	08AUG1992	NA01		3234.56	7947.89	3234.45	7947.80	1	2	SS21	0	0	MM
2341	32347947	08AUG1992	NA01		3234.03	7947.30	3234.00	7947.30	1	2	SS21	0	0	MM
2342	32347947	08AUG1992	NA01		3234.65	7947.89	3234.56	7947.80	1	2	SS21	0	0	PM
2343	32347947	08AUG1992	NA01		3234.48	7947.30	3234.29	7947.30	1	2	SS21	0	0	MM
2344	32347947	08AUG1992	NA01		3234.94	7947.30	3234.72	7947.30	1	2	SS21	0	0	MM
2345	32347947	08AUG1992	NA01		3235.00	7947.30	3234.94	7947.30	1	2	SS21	0	0	MB
2346	32347947	08AUG1992	NA01		3234.29	7947.30	3234.04	7947.30	1	2	SS21	0	0	MM
2347	32347947	08AUG1992	NA01		3234.72	7947.30	3234.48	7947.30	1	2	SS21	0	0	PM
2348	32347947	08AUG1992	NA01		3235.00	7947.89	3234.86	7947.80	1	2	SS21	0	0	PM
2349	32347949	08AUG1992	NA01		3235.00	7949.10	3234.59	7949.10	1	2	SS21	0	0	PM
2350	32347949	08AUG1992	NA01		3234.22	7949.10	3234.12	7949.10	1	2	SS21	0	0	MB
2351	32347949	08AUG1992	NA01		3234.30	7949.71	3234.00	7949.71	1	2	SS21	0	0	PM
2352	32347949	08AUG1992	NA01		3234.42	7949.10	3234.35	7949.10	1	2	SS21	0	0	PM

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
2329		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2330		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2331		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2332		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2333		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2334		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2335		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2336		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2337		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2338		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2339		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2340		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2341		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2342		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2343		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2344		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2345		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2346		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2347		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2348		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2349		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2350		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2351		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2352		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
2353	32347949	08AUG1992	NA01		3234.88	7949.71	3234.30	7949.71	1	2	SS21	
2354	32347949	08AUG1992	NA01		3234.12	7949.10	3234.04	7949.10	1	2	SS21	
2355	32347950	08AUG1992	NA01		3234.35	7950.28	3234.12	7950.20	1	2	SS21	
2356	32347950	08AUG1992	NA01		3235.00	7950.90	3234.97	7950.90	1	2	SS21	
2357	32347950	08AUG1992	NA01		3234.63	7950.90	3234.52	7950.90	1	2	SS21	
2358	32347950	08AUG1992	NA01		3234.12	7950.28	3234.00	7950.28	1	2	SS21	
2359	32347951	08AUG1992	NA01		3234.14	7951.50	3234.00	7951.50	1	2	SS21	
2360	32347951	08AUG1992	NA01		3235.00	7951.50	3234.78	7951.50	1	2	SS21	
2361	32357945	08AUG1992	NA01		3235.22	7945.50	3235.12	7945.50	1	2	SS21	
2362	32357946	08AUG1992	NA01		3235.24	7946.66	3235.18	7946.60	1	2	SS21	
2363	32357946	08AUG1992	NA01		3235.65	7946.10	3235.55	7946.10	1	2	SS21	
2364	32357946	08AUG1992	NA01		3235.67	7946.66	3235.58	7946.60	1	2	SS21	
2365	32357946	08AUG1992	NA01		3235.08	7946.11	3235.00	7946.11	1	2	SS21	
2366	32357946	08AUG1992	NA01		3235.52	7946.12	3235.42	7946.10	1	2	SS21	
2367	32357947	08AUG1992	NA01		3235.58	7947.30	3235.36	7947.30	1	2	SS21	
2368	32357947	08AUG1992	NA01		3235.70	7947.89	3235.48	7947.80	1	2	SS21	
2369	32357947	08AUG1992	NA01		3235.36	7947.30	3235.04	7947.30	1	2	SS21	
2370	32357947	08AUG1992	NA01		3235.19	7947.89	3235.08	7947.80	1	2	SS21	
2371	32357947	08AUG1992	NA01		3235.08	7947.89	3235.00	7947.89	1	2	SS21	
2372	32357947	08AUG1992	NA01		3236.00	7947.30	3235.58	7947.30	1	2	SS21	
2373	32357947	08AUG1992	NA01		3236.00	7947.89	3235.70	7947.89	1	2	SS21	
2374	32357947	08AUG1992	NA01		3235.04	7947.30	3235.00	7947.30	1	2	SS21	
2375	32357948	08AUG1992	NA01		3235.60	7948.52	3235.54	7948.50	1	2	SS21	
2376	32357948	08AUG1992	NA01		3235.47	7948.52	3235.30	7948.52	1	2	SS21	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
2353		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2354		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2355		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2356		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2357		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2358		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2359		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2360		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2361		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2362		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2363		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2364		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2365		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2366		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2367		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2368		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2369		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2370		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2371		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2372		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2373		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2374		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2375		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2376		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DI
2377	32357948	08AUG1992	NA01		3235.30	7948.52	3235.23	7948.50	1	2	SS21	
2378	32357948	08AUG1992	NA01		3236.00	7948.52	3235.69	7948.50	1	2	SS21	
2379	32357948	08AUG1992	NA01		3235.69	7948.52	3235.60	7948.52	1	2	SS21	
2380	32357948	08AUG1992	NA01		3235.23	7948.52	3235.18	7948.50	1	2	SS21	
2381	32357949	08AUG1992	NA01		3236.00	7949.10	3235.71	7949.10	1	2	SS21	
2382	32357949	08AUG1992	NA01		3235.22	7949.10	3235.13	7949.10	1	2	SS21	
2383	32357949	08AUG1992	NA01		3235.13	7949.10	3235.00	7949.10	1	2	SS21	
2384	32357950	08AUG1992	NA01		3235.49	7950.28	3235.32	7950.20	1	2	SS21	
2385	32357950	08AUG1992	NA01		3235.43	7950.88	3235.37	7950.80	1	2	SS21	
2386	32357950	08AUG1992	NA01		3235.08	7950.89	3235.00	7950.89	1	2	SS21	
2387	32357951	08AUG1992	NA01		3235.08	7951.50	3235.00	7951.50	1	2	SS21	
2388	32367947	08AUG1992	NA01		3236.22	7947.89	3236.03	7947.80	1	2	SS21	
2389	32367947	08AUG1992	NA01		3236.46	7947.89	3236.22	7947.80	1	2	SS21	
2390	32367947	08AUG1992	NA01		3236.28	7947.30	3236.00	7947.30	1	2	SS21	
2391	32367947	08AUG1992	NA01		3236.03	7947.89	3236.00	7947.89	1	2	SS21	
2392	32367947	08AUG1992	NA01		3236.51	7947.89	3236.46	7947.80	1	2	SS21	
2393	32367948	08AUG1992	NA01		3236.78	7948.52	3236.56	7948.50	1	2	SS21	
2394	32367948	08AUG1992	NA01		3236.47	7948.52	3236.12	7948.50	1	2	SS21	
2395	32367948	08AUG1992	NA01		3236.12	7948.52	3236.00	7948.52	1	2	SS21	
2396	32367949	08AUG1992	NA01		3236.10	7949.71	3236.00	7949.71	1	2	SS21	
2397	32367949	08AUG1992	NA01		3236.99	7949.10	3236.80	7949.10	1	2	SS21	
2398	32367949	08AUG1992	NA01		3236.71	7949.10	3236.46	7949.10	1	2	SS21	
2399	32367949	08AUG1992	NA01		3236.80	7949.10	3236.71	7949.10	1	2	SS21	
2400	32367949	08AUG1992	NA01		3236.21	7949.71	3236.10	7949.71	1	2	SS21	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
2377		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2378		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2379		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2380		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2381		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2382		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2383		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2384		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2385		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2386		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2387		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2388		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2389		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2390		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2391		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2392		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2393		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2394		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2395		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2396		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2397		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2398		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2399		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2400		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
2401	33397854	25MAR1983	RP01	1	3339.43	7854.88	0.00	0.00	7	0	GR05	
2402	33397853	25MAR1983	RP01	10	3339.78	7853.45	0.00	0.00	7	0	GR05	
2403	33397853	25MAR1983	RP01	11	3339.52	7853.23	0.00	0.00	7	0	GR05	
2404	33407853	25MAR1983	RP01	12	3340.67	7853.50	0.00	0.00	7	0	GR05	
2405	33407853	25MAR1983	RP01	13	3340.35	7853.20	0.00	0.00	7	0	GR05	
2406	33397852	26MAR1983	RP01	14	3339.87	7852.68	0.00	0.00	7	0	GR05	
2407	33407852	26MAR1983	RP01	15	3340.93	7852.97	0.00	0.00	7	0	GR05	
2408	33407852	26MAR1983	RP01	16	3340.72	7853.62	0.00	0.00	7	0	GR05	
2409	33407852	26MAR1983	RP01	17	3340.45	7852.30	0.00	0.00	7	0	GR05	
2410	33417852	26MAR1983	RP01	18	3341.38	7852.65	0.00	0.00	7	0	GR05	
2411	33417852	26MAR1983	RP01	19	3341.33	7852.53	0.00	0.00	7	0	GR05	
2412	33397854	25MAR1983	RP01	2	3339.17	7854.68	0.00	0.00	7	0	GR05	
2413	33417852	26MAR1983	RP01	20	3341.15	7852.33	0.00	0.00	7	0	GR05	
2414	33407851	26MAR1983	RP01	21	3340.58	7851.68	0.00	0.00	7	0	GR05	
2415	33427852	26MAR1983	RP01	22	3342.05	7851.03	0.00	0.00	7	0	GR05	
2416	33417851	26MAR1983	RP01	23	3341.97	7851.92	0.00	0.00	7	0	GR05	
2417	33417851	26MAR1983	RP01	24	3341.85	7851.73	0.00	0.00	7	0	GR05	
2418	33417851	26MAR1983	RP01	25	3341.62	7851.77	0.00	0.00	7	0	GR05	
2419	33427851	26MAR1983	RP01	26	3342.57	7851.38	0.00	0.00	7	0	GR05	
2420	33427851	26MAR1983	RP01	27	3342.62	7851.30	0.00	0.00	7	0	GR05	
2421	33427851	26MAR1983	RP01	28	3342.62	7851.28	0.00	0.00	7	0	GR05	
2422	33427851	26MAR1983	RP01	29	3342.62	7851.23	0.00	0.00	7	0	GR05	
2423	33397854	25MAR1983	RP01	3	3339.08	7854.65	0.00	0.00	7	0	GR05	
2424	33437850	26MAR1983	RP01	30	3343.27	7850.48	0.00	0.00	7	0	GR05	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
2401		83.6	4.80	0.00	0.0	0.84	0.00	0.00	0.00	0.00	0.0	0.0	
2402		96.4	0.93	0.00	0.0	2.22	0.00	0.00	0.00	0.00	0.0	0.0	
2403		95.7	0.00	0.00	0.0	2.56	0.00	0.00	0.00	0.00	0.0	0.0	
2404		80.3	3.61	0.00	0.0	2.00	0.00	0.00	0.00	0.00	0.0	0.0	
2405		90.1	2.24	0.00	0.0	1.88	0.00	0.00	0.00	0.00	0.0	0.0	
2406		83.5	2.22	0.00	0.0	1.84	0.00	0.00	0.00	0.00	0.0	0.0	
2407		86.3	3.30	0.00	0.0	2.00	0.00	0.00	0.00	0.00	0.0	0.0	
2408		97.1	1.06	0.00	0.0	2.12	0.00	0.00	0.00	0.00	0.0	0.0	
2409		89.5	1.31	0.00	0.0	2.40	0.00	0.00	0.00	0.00	0.0	0.0	
2410		62.1	16.45	0.00	0.0	2.25	0.00	0.00	0.00	0.00	0.0	0.0	
2411		97.6	1.05	0.00	0.0	1.69	0.00	0.00	0.00	0.00	0.0	0.0	
2412		80.3	16.50	0.00	0.0	2.00	0.00	0.00	0.00	0.00	0.0	0.0	
2413		95.7	1.63	0.00	0.0	2.06	0.00	0.00	0.00	0.00	0.0	0.0	
2414		87.2	1.05	0.00	0.0	1.36	0.00	0.00	0.00	0.00	0.0	0.0	
2415		96.5	2.55	0.00	0.0	2.64	0.00	0.00	0.00	0.00	0.0	0.0	
2416		84.9	5.44	0.00	0.0	2.00	0.00	0.00	0.00	0.00	0.0	0.0	
2417		86.3	12.64	0.00	0.0	2.32	0.00	0.00	0.00	0.00	0.0	0.0	
2418		91.7	5.25	0.00	0.0	2.32	0.00	0.00	0.00	0.00	0.0	0.0	
2419		87.2	2.77	0.00	0.0	2.40	0.00	0.00	0.00	0.00	0.0	0.0	
2420		91.5	5.40	0.00	0.0	2.18	0.00	0.00	0.00	0.00	0.0	0.0	
2421		98.3	1.44	0.00	0.0	2.25	0.00	0.00	0.00	0.00	0.0	0.0	
2422		98.6	0.00	0.00	0.0	2.25	0.00	0.00	0.00	0.00	0.0	0.0	
2423		67.2	0.00	0.00	0.0	1.89	0.00	0.00	0.00	0.00	0.0	0.0	
2424		82.0	0.00	0.00	0.0	1.60	0.00	0.00	0.00	0.00	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DEPTH	DEPTH_EN	BOTTOMTY
2425	33437850	26MAR1983	RP01	31	3343.08	7850.30	0.00	0.00	7	0	GR05	25	0	NH
2426	33427850	26MAR1983	RP01	32	3342.88	7850.10	0.00	0.00	7	0	GR05	28	0	NH
2427	33427849	26MAR1983	RP01	33	3342.75	7849.83	0.00	0.00	7	0	GR05	29	0	NH
2428	33437849	26MAR1983	RP01	34	3343.77	7849.80	0.00	0.00	7	0	GR05	12	0	NH
2429	33437849	26MAR1983	RP01	35	3343.57	7849.50	0.00	0.00	7	0	GR05	26	0	NH
2430	33437849	26MAR1983	RP01	36	3343.20	7849.23	0.00	0.00	7	0	GR05	29	0	NH
2431	33447849	28MAR1983	RP01	37	3344.18	7849.17	0.00	0.00	7	0	GR05	19	0	NH
2432	33447848	28MAR1983	RP01	38	3344.10	7848.93	0.00	0.00	7	0	GR05	25	0	NH
2433	33437848	28MAR1983	RP01	39	3343.78	7848.80	0.00	0.00	7	0	GR05	29	0	NH
2434	33387954	25MAR1983	RP01	4	3338.85	7854.15	0.00	0.00	7	0	GR05	27	0	NH
2435	33437848	28MAR1983	RP01	40	3343.47	7848.73	0.00	0.00	7	0	GR05	30	0	NH
2436	33447848	28MAR1983	RP01	41	3344.98	7848.05	0.00	0.00	7	0	GR05	11	0	NH
2437	33447847	28MAR1983	RP01	42	3344.90	7847.98	0.00	0.00	7	0	GR05	21	0	NH
2438	33447847	28MAR1983	RP01	43	3344.68	7847.80	0.00	0.00	7	0	GR05	26	0	NH
2439	33447847	28MAR1983	RP01	44	3344.40	7847.60	0.00	0.00	7	0	GR05	28	0	NH
2440	33397854	25MAR1983	RP01	5	3339.88	7854.45	0.00	0.00	7	0	GR05	15	0	NH
2441	33397854	25MAR1983	RP01	6	3339.75	7854.28	0.00	0.00	7	0	GR05	22	0	NH
2442	33397853	25MAR1983	RP01	7	3339.18	7853.82	0.00	0.00	7	0	GR05	28	0	NH
2443	33407853	25MAR1983	RP01	8	3339.18	7853.82	0.00	0.00	7	0	GR05	19	0	MB
2444	33407853	25MAR1983	RP01	9	3340.15	7853.77	0.00	0.00	7	0	GR05	22	0	NH
2445	33397854	25MAR1983	RP01	MB-1	3339.87	7854.25	0.00	0.00	7	0	GR01	19	0	NH
2446	33427851	29MAR1983	RP01	MB-10	3342.53	7851.15	0.00	0.00	7	0	GR01	22	0	NH
2447	33437850	29MAR1983	RP01	MB-11	3343.00	7850.27	0.00	0.00	7	0	GR01	26	0	NH
2448	33437848	29MAR1983	RP01	MB-12	3343.75	7848.98	0.00	0.00	7	0	GR01	29	0	NH

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	MINSANDL	MAXSANDL	STRATIG
2425		74.5	0.00	0.00	0.0	1.12	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2426		95.5	0.00	0.00	0.0	1.74	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2427		81.4	0.00	0.00	0.0	1.22	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2428		91.0	7.13	0.00	0.0	2.56	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2429		48.1	46.29	0.00	0.0	2.18	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2430		90.6	4.06	0.00	0.0	1.56	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2431		20.2	2.82	0.00	0.0	1.18	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2432		85.5	5.11	0.00	0.0	2.25	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2433		88.7	1.58	0.00	0.0	1.03	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2434		93.2	3.50	0.00	0.0	2.84	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2435		96.0	2.65	0.00	0.0	2.12	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2436		94.3	4.35	0.00	0.0	2.84	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2437		73.8	16.80	0.00	0.0	1.51	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2438		32.5	17.78	0.00	0.0	1.64	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2439		91.5	1.97	0.00	0.0	2.18	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2440		97.7	0.00	0.00	0.0	2.84	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2441		99.1	0.00	0.00	0.0	2.69	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2442		97.1	0.31	0.00	0.0	2.40	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2443		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2444		69.8	0.00	0.00	0.0	2.18	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2445		89.4	2.79	0.00	0.0	0.76	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2446		94.3	5.67	0.00	0.0	2.79	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2447		89.3	4.95	0.00	0.0	2.86	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	
2448		71.3	8.86	0.00	0.0	1.61	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	

OBS	BLOCK	DATE	AGENCY_P	ORIGCOLL	STARTLAT	STARTLON	ENDLAT	ENDLON	POSMETHO	CORRFACT	GEARTYPE	DE
2449	33437849	29MAR1983	RP01	MB-13	3343.67	7849.92	0.00	0.00	7	0	GR01	
2450	33397854	25MAR1983	RP01	MB-2	3339.68	7854.32	0.00	0.00	7	0	GR01	
2451	33407853	25MAR1983	RP01	MB-3	3340.03	7853.48	0.00	0.00	7	0	GR01	
2452	33407853	25MAR1983	RP01	MB-4	3340.70	7853.47	0.00	0.00	7	0	GR01	
2453	33407853	28MAR1983	RP01	MB-5	3340.25	7853.02	0.00	0.00	7	0	GR01	
2454	33417851	28MAR1983	RP01	MB-6	3341.83	7851.80	0.00	0.00	7	0	GR01	
2455	33417852	28MAR1983	RP01	MB-7	3341.03	7852.78	0.00	0.00	7	0	GR01	
2456	32208013	21MAY1964	WH01	1483	3220.00	8013.50	0.00	0.00	2	0	GR04	
2457	32467939	20MAY1965	WH01	2262	3246.90	7939.20	0.00	0.00	2	0	GR02	
2458	32378016	22MAY1965	WH01	2263	3237.90	8016.40	0.00	0.00	2	0	GR02	
2459	32368023	22MAY1965	WH01	2264	3236.80	8023.20	0.00	0.00	2	0	GR02	
2460	32268022	22MAY1965	WH01	2265	3226.10	8022.80	0.00	0.00	2	0	GR02	
2461	32288013	28MAY1965	WH01	2297	3228.00	8013.30	0.00	0.00	5	0	GR02	
2462	32328004	28MAY1965	WH01	2298	3232.80	8004.90	0.00	0.00	5	0	GR02	
2463	32347957	01SEP1965	WH01	2400	3234.80	7957.00	0.00	0.00	2	0	DR02	
2464	32427945	01JUN1938	WH02	1632e	3242.00	7945.00	0.00	0.00	4	0	DR00	
2465	33407843	01OCT1976	WH03	4614	3340.40	7843.80	0.00	0.00	2	0	GR01	

OBS	RELIEF	SAND	SILT	CLAY	CARBONAT	MEANGRSI	HEAVYMIN	PHOSPHAT	EHM	ZTR	MINDPTHP	MAXDPTHP	M
2449		87.9	12.07	0.00	0.0	1.88	0.00	0.00	0.00	0.00	0.0	0.0	
2450		96.6	3.36	0.00	0.0	1.27	0.00	0.00	0.00	0.00	0.0	0.0	
2451		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2452		48.2	51.87	0.00	0.0	3.18	0.00	0.00	0.00	0.00	0.0	0.0	
2453		0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	
2454		88.2	11.78	0.00	0.0	2.63	0.00	0.00	0.00	0.00	0.0	0.0	
2455		68.8	20.44	0.00	0.0	2.11	0.00	0.00	0.00	0.00	0.0	0.0	
2456		99.9	0.00	0.00	10.2	2.38	-1.00	0.00	0.00	0.00	0.0	0.0	
2457		99.9	0.00	0.00	4.1	2.37	2.00	0.00	0.00	0.00	0.0	0.0	
2458		99.0	1.00	0.00	1.8	1.82	1.00	0.00	0.00	0.00	0.0	0.0	
2459		99.9	0.00	0.00	4.2	1.47	1.00	0.00	0.00	0.00	0.0	0.0	
2460		99.9	0.00	0.00	12.4	0.64	0.00	0.00	0.00	0.00	0.0	0.0	
2461		99.9	0.00	0.00	4.4	2.54	1.00	0.00	0.00	0.00	0.0	0.0	
2462		97.0	3.00	0.00	6.1	2.70	2.00	0.00	0.00	0.00	0.0	0.0	
2463		99.0	1.00	0.00	9.7	2.59	0.00	0.00	0.00	0.00	0.0	0.0	
2464		89.5	0.00	0.00	0.0	1.94	0.00	0.00	0.00	0.00	0.0	0.0	
2465		99.9	0.00	0.00	8.4	0.00	0.00	0.00	0.00	0.00	0.0	0.0	

APPENDIX 2. Secondary database file which contains information about the source of each record in the primary file (Appendix 1).

Appendix 2. Secondary database file which contains information about the source of each record in the primary file (Appendix 1).

Database Codes

Agency_P = Agency Project

AS01	Alpine Ocean Seismic Survey, Inc., 1983, Geophysical/Vibracore survey Murrell's Inlet to Little River Inlet, prepared for the USACOE, Charleston under contract DACW60-86-C-0026.
AT01	Athena Technologies Inc. 1991. Geotechnical report for hydrographic surveys and vibracore sampling offshore of the Grand Strand, S.C.
CC01	Coastal Carolina University, Grab samples taken on NOAA Ferrel cruise, 11/91.
CC02	Coastal Carolina University, Grab samples taken in Winyah Bay, 8/89.
CC03	Coastal Carolina University, High resolution seismic reflection lines run in Grand Strand using Ms. Coastal vessel, 7/6/90
CC04	Coastal Carolina University, High resolution seismic reflection lines run in Grand Strand using Ms. Coastal vessel, 6/14/90
CC05	Coastal Carolina University, High resolution seismic reflection lines run in Grand Strand using Ms. Coastal vessel, 7/24/90
CC06	Coastal Carolina University, High resolution seismic reflection lines run in Grand Strand using Ms. Coastal vessel, 7/31/90
CC07	Coastal Carolina University, High resolution seismic reflection lines run off the Santee Delta using NOAA vessel Ferrel, 10/92
CC08	Coastal Carolina University, High resolution seismic reflection lines run off the Santee Delta using NOAA vessel Ferrel, 8/10/92
CC09	Coastal Carolina University, High resolution seismic reflection lines run off Bull's Bay Area, 11/91
CC10	Coastal Carolina University, High resolution seismic reflection lines run Charleston, S.C., using NOAA vessel Ferrel, 10/92
CC11	Coastal Carolina University, High resolution seismic reflection lines run Charleston, S.C., using NOAA vessel Ferrel, 10/93
CC12	Coastal Carolina University, High resolution seismic reflection lines off the Grand Strand using NOAA vessel Ferrel, 11/93
CC13	Coastal Carolina University, High resolution seismic reflection lines off the Grand Strand using NOAA vessel Ferrel, 11//29/91
CS01	Coastal Science and Engineering and Olsen Assoc., 1985. Geotechnical survey and ecological data report, Myrtle Beach . Renourishment project
CS02	Coastal Science and Engineering, 1990, Erosion assesment and beach restoration alternatives for Edisto Beach, prepared for the S.C. Dept. Parks Recreation, and Tourism
CS03	Coastal Science and Engineering, 1991, geotechnical study for the hunting island beach nourishment project prepared for the S.C. Dept. Parks Recreation, and Tourism
CS04	Coastal Science and Engineering, 1992, Erosion assessment and beach restoration alternatives for Hunting Island, S.C., prepared for the S.C. Dept. Parks Recreation, and Tourism
CS05	Coastal Science and Engineering, 1991, Edisto Beach Nourishment Project, Engineering Report, Geotechnical studies: Bathymetric and beach survey and wave modeling studies,prepared for the S.C. Dept. Parks Recreation, and Tourism and the town of Edisto Beach
DU01	Duke University, unpublished data records
EP01	EPA survey of Charleston ODMDS. January 1990
EP02	EPA survey of Charleston ODMDS. June 1990
FW01	Moore, J.E. and Gorsline, D.S., 1960, Physical and chemical data for sediments S. Atlantic coast of the U.S. M/v Theodore N Gill cruises 1-9 US Fish and Wildlife Service, Special Science Rept. no 366, 69p.
GS01	Grosz, A.E. and Nelson, D.D., 1989. Textural and mineralogic analyses of surficial sediments offshore Myrtle Beach, S.C., U.S. Geological Survey Open file report 89-168
MR01	Stender, Van Dolah, and Maier 1991 Identification and location of live bottom habitat in five potential borrow sites off Myrtle Beach, S.C.
MR02	Maier, Stender, and Van Dolah 1992 A remote survey of bottom characteristics within a potential borrow site near Little River, S.C.

MR03 Van Dolah, Knott, Wenner, Mathews, and Kaluna. 1984. Benthic and sediment studies of the Georgetown ocean dredged material disposal site.

MR06 Winn, Van Dolah, Frankenburg, and Kana. 1989. Benthic and sediment studies of the ocean dredged..

MR08 MARMAP Program Data. Years 1973-1992

MR09 Davis K.B. and VanDolah, R.F. 1986. A survey of existing information on the physical chemical, and biological conditions in the vicinity of the Port Royal Ocean Dredged material disposal site, Marine Resources Research Institute, SCWMRD.

MR10 Van Dolah, Wendt, Martore, Levisen and Roumillat. 1992. A physical and biological monitoring study of the Hilton Head beach nourishment project, MRRI, SCWMRD.

MR11 Marine Resources Division. 1979. Benthic and sedimentological studies on the Charleston Harbor Ocean disposal area, Charleston Harbor Deepening Project, Final Report to the Charleston District, USACOE. Contract #DACW60-78-C-0026.

MR12 SEAMAP Program 1986-1993. SCWMRD

MR13 Unpublished dive records, Marine Resources Division, Artificial Reef Program, SCWMRD

MU01 Maps Unique Charts Beaufort Version 2 May 1991

MU02 Maps Unique Charts Charleston Version 2 May 1991

MU03 Maps Unique Charts Murrell's Inlet Version 2 May 1991

NA01 U.S. Navy survey of Charleston minefield

RP01 Research Planning Institute, Inc., 1983, Feasibility Study: Survey of offshore deposits for beach nourishment,Myrtle Beach, S.C., bathymetry, sediment distribution and grain size analysis, prepared for the city of Myrtle Beach

WH01 Hathaway, J.C. (ed.) Wood's Hole Oceanographic Institute, ref. #71-15, vol. 2, Samples collection and analytical data, 495p

WH02 Stetson, H.C. 1938. Papers in Physical Oceanography and Meteorology, published by MIT and WHOI, Vol 5, No 4, 48 p

WH03 Bother, M.H., Aruscavage, P.J., Ferrebee, W.M., Baedecker, P.A. 1980. Trace-metal concentrations in sediment cores from the continental shelf off the S.E. U.S., Estuarine and Coastal Marine Science, vol. 10, p 523-541

Pos_Prec = Position precision

Sourc_Co = State in which work is located

SC= South Carolina
GA= Georgia
FL= Florida

Proj_tit = Project title

Fund_Age = Funding Agency

Grant_Nu = Grant Number

Prin_Inv = Principal Investigator

Company = Company Name

Street = Street address

City = City

State = State

Zip = Zip code

Phone = Phone number

OBS	AGENCY_P	POS_PREC	SOURC_CO	PROJ_TIT	FUND_AGE
1	AS01		SC	Geophysical/Vibracore survey, Murrell's Inlet to Little River Inlet, SC	USACOE, Charleston
2	AT01		SC	Geotechnical report:Hydrographic surveys and vibracore sampling offshore Grand Strand,SC (1991)	USACOE, Charleston
3	CC01		SC	NOAA Ferrel cruise, grab samples	Coastal Carolina U.
4	CC02		SC	Winyah Bay vibracore samples	Coastal Carolina U.
5	CC03		SC	High resolution seismic lines off Grand Strand using Ms. Coastal, 7-6-90	Coastal Carolina U.
6	CC04		SC	High resolution seismic lines off Grand Strand using Ms. Coastal, 6-14-90	Coastal Carolina U.
7	CC05		SC	High resolution seismic lines off Grnad Strand using Ms. Coastal, 7-24-90	Coastal Carolina U.
8	CC06		SC	High resolution seismic lines off Grand Strand using Ms. Coastal, 7-31-90	Coastal Carolina U.
9	CC07		SC	High resolution seismic grid off Santee Delta using NOAA Ferrel, 10-92	Coastal Carolina U.
10	CC08		SC	High resolution seismic lines off Santee Delta using NOAA Ferrel, 8-10-92	Coastal Carolina U.
11	CC09		SC	High resolution seismic lines off Winyah Bay using NOAA Ferrel 11-91	Coastal Carolina U.
12	CC10		SC	High resolution seismic lines off Charleston area using NOAA Ferrel 3-93	Coastal Carolina U.
13	CC11		SC	High resolution seismic lines off Charleston area using NOAA Ferrel 10-93	Coastal Carolina U.
14	CC12		SC	High resolution seismic lines off the Grand Strand using NOAA Ferrel 11-93	Coastal Carolina U.
15	CC13		SC	High resolution seismic lines off the Grand Strand 11-29-91	Coastal Carolina U.
16	CS01		SC	Myrtle Beach nourishment project: Geotechnical, survey and ecological data report	City of Myrtle Beach
17	CS02		SC	Feasibility study:Erosion assessment and beach restoration alternatives for Edisto Beach State Park	SCDPRT
18	CS03		SC	Geotechnical study for Hunting Island beach nourishment project	SCDPRT
19	CS04		SC	Feasibility study:Erosion assessment and beach restoration alternatives for Hunting Island, SC	SCDPRT
20	CS05		SC	Edisto Beach nourishment project, Engineering rept., Geotechnical studies	SCDPRT and Edisto B.
21	DU01		NC	Duke University, unpublished data records, 1973-1980	N/A

OBS	GRANT_NU	PRIN_INV	COMPANY	STREET	CITY	STATE	ZIP	PHONE
1	DACW60-86-C-0026	unknown	Alpine Ocean Seismic Survey, Inc	Company no longer exists	Norwood	NJ		
2		Walter J. Sexton	Athena Technologies, Inc.	3700 Rosewood Dr.	Columbia	SC	29205	803-790-4483
3		Paul T. Gayes	Coastal Carolina University	PO Box 1954	Conway	SC	29526	803-349-2213
4		Paul T. Gayes	Coastal Carolina University	PO Box 1954	Conway	SC	29526	803-349-2213
5		Paul T. Gayes	Coastal Carolina University	PO Box 1954	Conway	SC	29526	803-349-2213
6		Paul T. Gayes	Coastal Carolina University	PO Box 1954	Conway	SC	29526	803-349-2213
7		Paul T. Gayes	Coastal Carolina Universtiy	PO Box 1954	Conway	SC	29526	803-349-2213
8		Paul T. Gayes	Coastal Carolina University	PO Box 1954	Conway	SC	29526	803-349-2224
9		Paul T. Gayes	Coastal Carolina University	PO Box 1954	Conway	SC	29526	803-349-2224
10		Paul T. Gayes	Coastal Carolina University	PO Box 1954	Conway	SC	29526	803-349-2213
11		Paul T. Gayes	Coastal Carolina University	PO Box 1954	Conway	SC	29526	803-349-2213
12		Paul T. Gayes	Coastal Carolina University	PO Box 1954	Conway	SC	29526	803-349-2213
13		Paul T. Gayes	Coastal Carolina University	PO Box 1954	Conway	SC	29526	803-349-2213
14		Paul T. Gayes	Coastal Carolina University	PO Box 1954	Conway	SC	29526	803-349-2213
15		Paul T. Gayes	Coastal Carolina University	PO Box 1954	Conway	SC	29526	803-349-2213
16		Erich Gundlach	RPI/Coastal Science& Olsen Assoc	PO Box 8056	Columbia	SC	29202	803-799-8949
17		Tim Kana	Coastal Science and Engineering	PO Box 8056	Columbia	SC	29202	803-799-8949
18		Tim Kana	Coastal Science and Engineering	PO Box 8056	Columbia	SC	29202	803-799-8949
19		Tim Kana	Coastal Science and Engineering	PO Box 8056	Columbia	SC	29202	803-799-8949
20		Chris Andrassy	Coastal Science and Engineering	PO Box 8056	Columbia	SC	29202	803-799-8949
21		Orrin Pilkey	Duke University, Geology Dept.		Durham	NC	27706	919-684-4238

OBS	AGENCY_P	POS_PREC	SOURC_CO	PROJ_TIT	FUND_AGE
22	EP01		SC	Environmental Protection Agency survey of offshore disposal area, January 1990	EPA, Georgia
23	EP02		SC	Environmental Protection Agency survey of offshore disposal area, June 1990	EPA, Georgia
24	FW01		GA	Physical and chemical data for bottom sediments South Atlantic Coast of the U.S.:M/V Gill cruises	DOI/USFWS
25	GS01		SC	Textural and mineralogic analyses of surficial sediments offshore of Myrtle Beach, South Carolina	U.S.G.S.
26	MR01		SC	Identification and location of live bottom habitat in five potential burrow sites/Myrtle Beach,SC	USACOE
27	MR02		SC	A remote survey of bottom characteristics within a potential burrow site near Little River, SC	USACOE
28	MR03		SC	Benthic and sedimentological studies of the Georgetown Ocean Dredged Material Disposal Site	USACOE, Charleston
29	MR06		SC	Final Report(1989):Benthic and sedimentological studies of the ODMDS for Charleston, SC	USACOE, Charleston
30	MR08		SC	Marmap Program data, SCWMRD 1973-1993	
31	MR09		SC	Survey of existing info on the phys/chem/bio. conditions in the Port Royal Ocean dredged site	USACOE, Charleston
32	MR10		SC	A Physical and Biological monitoring study of the Hilton Head Beach Nourishment Project	Town of Hilton Head
33	MR11		SC	Benthic and sedimentologic studies on the Charleston Harbor Ocean Disposal Area, Final Report(1979)	USACOE, Charleston
34	MR12		SC	SEAMAP Program data, SCWMRD 1986-1993	NMFS/NOAA
35	MR13		SC	Unpublished dive records, Marine Resources Division, Artificial Reef Program, SCWMRD	N/A
36	MU01		SC	Maps Unique Charts Beaufort Version 2 May 1991	N/A
37	MU02		SC	Maps Unique Charts Charleston Version 2 May 1991	N/A
38	MU03		SC	Maps Unique Charts Murrell's Version 2 May 1991	N/A

OBS	GRANT_NU	PRIN_INV	COMPANY	STREET	CITY	STATE	ZIP	PHONE
22		Philip Murphy	Environmental Protection Agency	960 College Station Rd.	Athens	GA	30605	706-546-2297
23		Philip Murphy	Environmental Protection Agency	960 College Station Rd.	Athens	GA	30605	706-546-2297
24		Joeseph E. Moore	U.S. Fish and Wildlife Service	801 Gloucester St. Rm. 334	Brunswick	GA	31520	912-265-9336
25		Andrew Grosz	U.S. Geological Survey	National Center	Reston	VA	22092	703-648-6314
26	14-16-0004-91-907	Robert Van Dolah	SC Wildlife and Marine Resources	PO Box 12559	Charleston	SC	29412	803-762-5048
27		Robert Van Dolah	SC Wildlife and Marine Resources	PO Box 12559	Charleston	SC	29412	803-762-5048
28	#DACW60-83-C-0005	Robert F. Van Dolah	SC Wildlife and Marine Resources	PO Box 12559	Charleston	SC	29412	803-762-5048
29	#DACW60-87-M-0001	Richard Winn	SC Wildlife and Marine Resources	PO Box 12559	Charleston	SC	29412	803-779-5048
30		George Sedberry	SC Wildlife and Marine Resources	PO Box 12559	Charleston	SC	29412	803-762-5045
31		Kevin B. Davis	SC Wildlife and Marine Resources	PO Box 12559	Charleston	SC	29412	803-762-5048
32	N/A	Robert F. Van Dolah	SC Wildlife and Marine Resources	PO Box 12559	Charleston	SC	29412	803-762-5048
33	#DACW60-78-C-0026	SCWMR	SC Wildlife and Marine Resources	PO Box 12559	Charleston	SC	29412	803-762-5048
34	NA47FS0042	Elizabeth Wenner	SC Wildlife and Marine Resources	PO Box 12559	Charleston	SC	29412	803-762-5050
35		Mel Bell	SC Wildlife and Marine Resources	PO Box 12559	Charleston	SC	29412	803-762-5066
36		Chip Berry	Maps Unique	PO Box 50770	Columbia	SC	29250	803-739-1900
37		Chip Berry	Maps Unique	PO Box 50770	Columbia	SC	29250	803-739-1900
38		Chip Berry	Maps Unique	PO Box 50770	Columbia	SC	29250	803-739-1900

OBS	AGENCY_P	POS_PREC	SOURC_CO	PROJ_TIT	FUND_AGE
39	NA01		SC	U.S. Navy survey of Charleston minefield	
40	RP01		SC	Feasibility study: Survey of offshore sand deposits for beach renourishment, Myrtle Beach, SC	City of Myrtle Beach
41	WH01		SC	Data file: Continental margin program Atlantic Coast of the U.S., Ref.#71-15	USGS-Wood's Hole
42	WH02		SC	Papers in Physical Oceanography and Meterology: Sediments of the continental shelf off the E. USA	MIT, WHOI
43	WH03		SC	Trace metal concentrations in sediment cores from the continental shelf off the Southeastern U.S.	USGS-Wood's Hole

OBS	GRANT_NU	PRIN_INV	COMPANY	STREET	CITY	STATE	ZIP	PHONE
39		Phil Maier	SC Wildlife and Marine Resources	PO Box 12559	Charleston	SC	29412	803-762-5115
40		Tim Kana	RPI/Coastal Sci. & Engineering	PO Box 8056	Columbia	SC	29201	803-799-8949
41	#14-08-0001-12625	John C. Hathaway	U.S. Geological Survey		Wood's Hole	MA	02543	508-548-8700
42		Henry Stetson	Wood's Hole Oceanographic Inst.		Woods Hole	MA	02543	508-548-8700
43		M.H. Bothner	U.S. Geological Survey		Wood's Hole	MA	02543	508-457-2323

APPENDIX 3. Secondary database file which summarizes the number of data records and occurrence of hard bottom in each 1 minute x 1 minute block of the area surveyed.

Appendix 3. Secondary database file which summarizes the number of data records and occurrence of hardbottom in each 1 minute x 1 minute block of the area surveyed.

Block	=	Block number
Latitude	=	Latitude of lower right corner of 1 minute block
Longitud	=	Longitude of lower right corner of 1 minute block
Hard_Ev	=	Evidence of hard bottom

H= Hard bottom (at least 1 observation within block contained hard bottom)
A= Artificial reef
P= Probable hard bottom
N= No evidence of hard bottom

Num_Obs	=	Total number of observations within block

OBS	BLOCK	LATITUDE	LONGITUD	HARD_EV	NUM_OBS
1	32028035	3202.86	8035.82	H	1
2	32028038	3202.09	8038.44	H	1
3	32028044	3202.94	8044.70	A	3
4	32038045	3203.50	8045.80	P	1
5	32048037	3204.13	8037.46	H	1
6	32048045	3204.30	8045.10	N	7
7	32058041	3205.70	8041.85	A	1
8	32058044	3205.20	8044.00	N	1
9	32068043	3206.80	8043.98	N	18
10	32068044	3206.60	8044.80	N	1
11	32088041	3208.67	8041.25	A	21
12	32108031	3210.30	8031.80	N	3
13	32108032	3210.50	8032.10	N	1
14	32108033	3210.00	8033.06	A	1
15	32118029	3211.80	8029.50	N	1
16	32118031	3211.20	8031.90	N	1
17	32118032	3211.20	8032.00	N	2
18	32118039	3211.72	8039.07	N	17
19	32128020	3212.84	8020.10	A	2
20	32128022	3212.50	8022.50	P	1
21	32128024	3212.50	8024.00	N	1
22	32128025	3212.60	8025.00	N	1
23	32128027	3212.46	8027.94	H	1
24	32128030	3212.30	8030.40	N	1
25	32128031	3212.70	8031.70	N	1
26	32138020	3213.01	8020.22	A	2
27	32138021	3213.03	8021.72	H	1
28	32138023	3213.20	8023.70	N	1
29	32138025	3213.40	8025.90	N	1
30	32138030	3213.50	8030.20	N	1
31	32138031	3213.50	8031.80	N	1
32	32138032	3213.70	8032.80	N	1
33	32148016	3214.40	8016.80	N	1
34	32148017	3214.00	8017.42		1
35	32148018	3214.66	8018.01		1
36	32148029	3214.30	8029.20	N	1
37	32148030	3214.80	8030.20	N	1
38	32148031	3214.20	8031.90	N	8
39	32148032	3214.10	8032.80	N	1
40	32158018	3215.66	8018.03		1
41	32158022	3215.39	8022.24	A	3
42	32158030	3215.50	8030.70	N	1
43	32168024	3216.99	8024.64	A	1
44	32168026	3216.80	8026.60	N	2
45	32168027	3216.60	8027.80	N	2
46	32168028	3216.60	8028.00	N	6
47	32168030	3216.50	8030.00	N	1
48	32178017	3217.00	8017.94		1
49	32178022	3217.70	8022.80	N	4
50	32178023	3217.21	8023.41	A	4
51	32178028	3217.00	8028.90	N	1
52	32188015	3218.70	8015.70	N	2
53	32188017	3218.00	8017.86		1
54	32188021	3218.60	8021.20	N	1
55	32188022	3218.40	8022.30	N	6
56	32188023	3218.00	8023.30	N	1
57	32198017	3219.02	8017.80		1
58	32198019	3219.50	8019.60	N	1
59	32198020	3219.50	8020.80	N	1
60	32198026	3219.22	8026.27	N	2
61	32208013	3220.00	8013.50	N	1
62	32208015	3220.51	8015.98		1
63	32208016	3220.01	8016.98		1
64	32208018	3220.35	8018.65	H	1
65	32208019	3220.30	8019.40	N	1
66	32208020	3220.81	8020.56	H	2

OBS	BLOCK	LATITUDE	LONGITUD	HARD_EV	NUM_OBS
67	32208025	3220.71	8025.11	N	1
68	32208026	3220.25	8026.32	N	2
69	32218010	3221.90	8010.93	H	1
70	32218013	3221.61	8013.98		1
71	32218015	3221.80	8015.00	N	1
72	32218023	3221.87	8023.92	N	4
73	32218024	3221.60	8024.13	N	16
74	32228011	3222.81	8011.98		1
75	32228012	3222.17	8012.99		1
76	32228023	3222.46	8023.76	N	4
77	32228024	3222.05	8024.17	N	8
78	32238010	3223.47	8010.98		1
79	32238014	3223.20	8014.50	P	1
80	32238016	3223.70	8016.30	N	2
81	32238017	3223.80	8017.10	N	6
82	32238024	3223.37	8024.66	N	1
83	32238026	3223.52	8026.39	N	1
84	32248009	3224.08	8009.99		1
85	32248010	3224.00	8010.14		1
86	32248015	3224.40	8015.80	N	1
87	32248016	3224.40	8016.60	N	3
88	32248017	3224.00	8017.60	N	2
89	32248018	3224.00	8018.40	N	5
90	32258010	3225.84	8010.96	H	1
91	32268013	3226.30	8013.90	N	1
92	32268014	3226.00	8014.90	N	1
93	32268016	3226.60	8016.20	N	1
94	32268022	3226.10	8022.80	N	1
95	32278011	3227.12	8011.32	H	1
96	32278014	3227.50	8014.20	N	1
97	32278016	3227.70	8016.40	N	1
98	32288012	3228.15	8012.92	H	1
99	32288013	3228.00	8013.30	N	1
100	32288015	3228.60	8015.90	N	1
101	32288018	3228.42	8018.20	N	5
102	32288019	3228.17	8019.13	N	21
103	32298009	3229.70	8009.60	N	2
104	32298010	3229.50	8010.60	N	6
105	32298012	3229.30	8012.50	N	1
106	32298015	3229.70	8015.40	N	1
107	32298016	3229.36	8016.74	N	5
108	32298017	3229.35	8017.11	N	7
109	32298019	3229.22	8019.65	N	1
110	32308000	3245.45	7954.75		1
111	32308011	3230.00	8011.10	N	1
112	32308012	3230.60	8012.30	N	3
113	32308014	3230.40	8014.00	N	1
114	32317949	3232.00	7949.10	P	3
115	32317950	3231.84	7950.28	P	3
116	32317951	3231.90	7951.50	H	2
117	32318001	3231.97	8001.74		1
118	32327946	3232.53	7946.11	H	3
119	32327947	3233.00	7947.89	H	3
120	32327949	3232.92	7949.10	P	1
121	32327950	3232.60	7950.90	H	3
122	32327951	3232.27	7951.50	N	2
123	32327959	3232.89	7959.60		1
124	32328000	3232.56	8000.85		3
125	32328001	3232.17	8001.39		2
126	32328004	3232.80	8004.90	N	4
127	32328006	3232.60	8006.30	N	3
128	32337946	3233.40	7946.11	H	6
129	32337947	3233.92	7947.30	H	6
130	32337949	3233.80	7949.71	H	5
131	32337950	3234.00	7950.28	P	3
132	32337951	3233.21	7951.50	P	2

OBS	BLOCK	LATITUDE	LONGITUD	HARD_EV	NUM_OBS
133	32337955	3233.76	7955.96		1
134	32337956	3233.50	7956.75		1
135	32337958	3233.52	7958.71		2
136	32337959	3233.42	7959.69		2
137	32338000	3233.33	8000.10		2
138	32338001	3233.90	8001.40	N	16
139	32338002	3233.60	8002.00	N	5
140	32338003	3233.80	8003.00	N	1
141	32338004	3233.50	8004.60	N	4
142	32338005	3233.70	8005.10	N	1
143	32338006	3233.30	8006.50	N	1
144	32347944	3234.76	7944.29	P	1
145	32347945	3234.47	7945.50	P	5
146	32347946	3234.89	7946.66	N	9
147	32347947	3234.56	7947.89	H	9
148	32347948	3234.74	7948.00	H	4
149	32347949	3235.00	7949.10	H	6
150	32347950	3234.35	7950.28	P	4
151	32347951	3234.14	7951.50	N	2
152	32347952	3234.48	7952.98		1
153	32347953	3234.02	7953.80		1
154	32347954	3234.90	7954.90	N	2
155	32347955	3234.80	7955.70	N	3
156	32347956	3234.30	7956.40	P	3
157	32347957	3234.80	7957.00	N	7
158	32347958	3234.80	7958.30	N	11
159	32347959	3234.05	7959.10		1
160	32348000	3234.70	8000.80	N	2
161	32348001	3234.50	8001.60	N	17
162	32348002	3234.60	8002.50	N	4
163	32348003	3234.40	8003.60	N	2
164	32357943	3235.88	7943.98	H	11
165	32357944	3235.40	7944.40	H	1
166	32357945	3235.22	7945.50	H	7
167	32357946	3235.24	7946.66	H	16
168	32357947	3235.58	7947.30	H	9
169	32357948	3235.60	7948.52	H	8
170	32357949	3236.00	7949.10	P	3
171	32357950	3235.62	7950.98	H	4
172	32357951	3235.02	7951.93	N	2
173	32357953	3235.59	7953.36		1
174	32357954	3235.31	7954.44		1
175	32357955	3235.90	7955.90	N	3
176	32357956	3235.90	7956.90	N	7
177	32357957	3235.20	7957.60	N	23
178	32357958	3235.00	7958.40	N	1
179	32358001	3235.00	8001.70	N	11
180	32358002	3235.10	8002.50	N	1
181	32367942	3236.72	7942.00	H	6
182	32367943	3236.60	7943.20	N	15
183	32367944	3236.54	7944.64	H	1
184	32367945	3236.06	7945.00	N	5
185	32367946	3236.24	7946.02	H	14
186	32367947	3236.72	7947.60	H	9
187	32367948	3236.14	7948.55	H	11
188	32367949	3236.14	7949.98	H	6
189	32367951	3236.88	7951.63		1
190	32367952	3236.43	7952.92		3
191	32367953	3236.10	7953.38		1
192	32367954	3236.60	7954.00	N	2
193	32367955	3236.17	7955.89		3
194	32367956	3236.50	7956.80	N	4
195	32368023	3236.80	8023.20	N	1
196	32377942	3237.44	7942.00	N	8
197	32377943	3237.08	7943.26	N	4
198	32377945	3237.08	7945.66	N	2

OBS	BLOCK	LATITUDE	LONGITUD	HARD_EV	NUM_OBS
199	32377946	3237.72	7946.60	H	9
200	32377947	3237.20	7947.07	H	4
201	32377948	3237.67	7948.70	H	6
202	32377949	3237.05	7949.42	N	2
203	32377950	3237.80	7950.60	N	1
204	32377951	3237.42	7951.34		1
205	32377953	3237.30	7953.70	N	6
206	32377955	3237.10	7955.10	N	1
207	32377956	3237.00	7956.40	N	2
208	32378016	3237.90	8016.40	N	1
209	32387939	3238.94	7939.96	N	1
210	32387940	3238.22	7940.02	H	10
211	32387942	3238.10	7942.00	H	6
212	32387945	3238.20	7945.92	N	8
213	32387946	3238.82	7946.53	N	3
214	32387947	3238.72	7947.60	N	2
215	32387948	3238.53	7948.23	N	3
216	32387949	3238.17	7949.87		1
217	32387951	3238.88	7951.13	N	5
218	32387952	3238.05	7952.90		1
219	32397940	3239.00	7940.74	H	2
220	32397941	3239.00	7941.16	N	1
221	32397942	3239.00	7942.78	N	3
222	32397943	3239.24	7943.74	N	2
223	32397945	3239.77	7945.88	N	3
224	32397946	3239.72	7946.65	H	7
225	32397947	3239.60	7947.00	H	10
226	32397948	3239.68	7948.28	N	2
227	32397950	3239.75	7950.30	N	4
228	32397951	3239.60	7951.20	N	2
229	32407945	3240.70	7945.70	N	2
230	32407946	3240.05	7946.20	N	1
231	32407947	3240.07	7947.13	N	6
232	32407949	3240.10	7949.13	N	5
233	32407950	3240.40	7950.90	N	2
234	32417940	3241.00	7940.98	H	2
235	32417941	3241.47	7941.28	H	2
236	32417943	3241.12	7943.95	N	2
237	32417945	3241.17	7945.03	N	1
238	32417947	3241.18	7947.68	N	2
239	32417948	3241.03	7948.83	N	2
240	32427938	3242.02	7938.92		1
241	32427939	3242.23	7939.99	H	1
242	32427940	3242.31	7940.84	H	1
243	32427944	3242.00	7944.00	P	1
244	32427945	3242.00	7945.00	A	3
245	32427947	3242.47	7947.20	N	2
246	32427950	3242.00	7950.60	N	1
247	32437936	3243.20	7936.99	N	2
248	32437938	3243.19	7938.26	H	1
249	32437945	3243.60	7945.80	N	2
250	32437946	3243.40	7946.90	N	2
251	32437947	3243.30	7947.50	P	23
252	32437948	3243.60	7948.00	N	1
253	32447934	3244.24	7934.19	A	14
254	32447949	3244.17	7949.88		1
255	32447950	3244.20	7950.42	N	1
256	32447952	3244.97	7952.41		1
257	32447953	3244.92	7953.38		1
258	32457932	3245.63	7932.99		1
259	32457933	3245.09	7933.89	A	4
260	32457952	3245.50	7952.31		1
261	32457953	3245.60	7953.12		2
262	32457954	3245.43	7954.20		1
263	32467830	3346.61	7830.20		1
264	32467934	3246.50	7934.10	N	1

OBS	BLOCK	LATITUDE	LONGITUD	HARD_EV	NUM_OBS
265	32467937	3246.80	7937.30	P	2
266	32467939	3246.90	7939.20	N	1
267	32467941	3246.60	7941.80	N	1
268	32467942	3246.70	7942.30	N	1
269	32467951	3246.26	7951.49		1
270	32467952	3246.29	7952.57		1
271	32467953	3246.18	7953.64		3
272	32467954	3246.66	7954.38		1
273	32467956	3246.92	7956.00		1
274	32477935	3247.50	7935.00	N	1
275	32477939	3247.60	7939.80	P	1
276	32477941	3247.60	7941.40	N	1
277	32477952	3247.02	7952.64		1
278	32477953	3247.60	7953.73		1
279	32477954	3247.35	7954.17		2
280	32477955	3247.16	7955.20		1
281	32487936	3248.50	7936.70	N	1
282	32487940	3248.40	7940.40	N	11
283	32487952	3248.51	7952.75		1
284	32487954	3248.11	7954.23		1
285	32487955	3248.67	7955.73		1
286	32497836	3349.52	7836.61		2
287	32497940	3249.20	7940.00	N	3
288	32497955	3249.50	7955.23		1
289	32507936	3250.20	7936.90	N	1
290	32507937	3250.30	7937.50	N	1
291	32507938	3250.40	7938.90	P	10
292	32507939	3250.30	7939.10	N	3
293	32537928	3253.60	7928.40	N	1
294	32537930	3253.50	7930.80	P	5
295	32537931	3253.30	7931.00	N	2
296	32547914	3254.80	7914.32		1
297	32547915	3254.96	7915.79		1
298	32547926	3254.80	7926.10	N	9
299	32547927	3254.40	7927.10	N	1
300	32547929	3254.50	7929.80	P	1
301	32547936	3254.36	7936.65	H	1
302	32557916	3255.51	7916.49		1
303	32557923	3255.98	7923.45		1
304	32557924	3255.00	7924.67		1
305	32557925	3255.43	7925.00	N	3
306	32557927	3255.40	7927.40	N	1
307	32557929	3255.20	7929.00	N	2
308	32567912	3256.39	7912.88		1
309	32567917	3256.60	7917.83		1
310	32567923	3256.70	7923.98	N	6
311	32567928	3256.60	7928.70	N	1
312	32577911	3257.71	7911.59		1
313	32577912	3257.00	7912.33		1
314	32577918	3257.24	7918.30		1
315	32577919	3257.70	7919.34		1
316	32577920	3257.17	7920.98		1
317	32577921	3257.00	7921.42		1
318	32577922	3257.30	7922.60	N	1
319	32587910	3258.47	7910.88		1
320	32587916	3258.85	7916.49		1
321	32587917	3258.41	7917.36		1
322	32587928	3258.40	7928.00	N	1
323	32597909	3259.77	7909.61		1
324	32597910	3259.15	7910.20		1
325	32597915	3259.86	7915.51		1
326	32597916	3259.37	7916.00		1
327	32597924	3259.20	7924.40	N	1
328	32597925	3259.00	7925.20	N	1
329	32597927	3259.00	7927.20	N	1
330	33007908	3300.67	7908.75		1

OBS	BLOCK	LATITUDE	LONGITUD	HARD_EV	NUM_OBS
331	33007914	3300.93	7914.52		1
332	33017907	3301.99	7907.43		1
333	33017908	3301.32	7908.12		1
334	33017913	3301.98	7913.55		1
335	33017914	3301.38	7914.12		1
336	33027906	3302.76	7906.71		1
337	33027907	3302.00	7907.30	N	1
338	33027908	3302.98	7908.70		1
339	33027910	3302.65	7910.98		1
340	33027911	3302.98	7911.23		1
341	33027912	3302.00	7912.80		2
342	33027913	3302.27	7913.00		2
343	33027914	3302.17	7914.98		1
344	33027916	3302.70	7916.50	N	1
345	33027917	3302.12	7917.00	N	2
346	33037906	3303.46	7906.05		1
347	33037912	3303.30	7912.22		1
348	33037914	3303.57	7914.00		1
349	33037915	3303.23	7915.98		1
350	33037916	3303.10	7916.98		3
351	33037917	3303.00	7917.28		1
352	33047904	3304.85	7904.66		1
353	33047905	3304.16	7905.37		1
354	33047909	3304.72	7909.98	H	8
355	33047910	3304.98	7910.22		2
356	33047911	3304.38	7911.51		1
357	33047912	3304.18	7912.98		2
358	33047913	3304.43	7913.98		2
359	33047914	3304.00	7914.28		1
360	33047917	3304.60	7917.20	N	1
361	33057904	3305.57	7904.00		1
362	33057908	3305.27	7908.00		1
363	33057909	3305.70	7909.90	N	2
364	33057910	3305.98	7910.65		3
365	33067902	3306.99	7902.62		1
366	33067903	3306.28	7903.32		1
367	33067906	3306.98	7906.72		1
368	33067908	3306.00	7908.55		1
369	33067909	3306.53	7909.00		2
370	33067910	3306.98	7910.60		1
371	33067912	3306.40	7912.90	N	1
372	33077901	3307.71	7901.90		1
373	33077904	3307.02	7904.50		1
374	33077905	3307.58	7905.00		1
375	33077906	3307.63	7906.98		1
376	33077907	3307.98	7907.65		1
377	33077908	3307.66	7908.08		1
378	33077910	3307.98	7910.48		3
379	33077911	3307.80	7911.90	N	1
380	33087901	3308.00	7901.40	N	2
381	33087905	3308.00	7905.25		1
382	33087906	3308.78	7906.00		1
383	33087907	3308.33	7907.98		2
384	33087908	3308.98	7908.07		7
385	33087909	3308.20	7909.00	N	3
386	33087910	3308.32	7910.43		1
387	33097900	3309.40	7900.80	P	2
388	33097901	3309.10	7901.00		1
389	33097906	3309.00	7906.17		2
390	33097907	3309.53	7907.47	N	2
391	33097908	3309.13	7908.00		1
392	33107901	3310.00	7901.80		1
393	33107902	3310.60	7902.70	H	2
394	33107903	3311.40	7903.60		1
395	33107905	3310.71	7905.26		1
396	33107906	3310.72	7906.80	N	5

OBS	BLOCK	LATITUDE	LONGITUD	HARD_EV	NUM_OBS
397	33107907	3310.72	7907.23	N	4
398	33107909	3310.10	7909.00	N	1
399	33117903	3311.40	7903.60		1
400	33117904	3311.40	7904.28		1
401	33117905	3311.22	7905.92	N	4
402	33117906	3311.92	7906.17	N	2
403	33117907	3311.90	7907.00	P	1
404	33117908	3311.57	7908.00	N	1
405	33127904	3312.20	7904.50	A	2
406	33127905	3312.42	7905.30	N	2
407	33127906	3312.17	7906.62	P	4
408	33127907	3312.17	7907.05	N	2
409	33137905	3313.00	7905.00	N	1
410	33137906	3313.10	7906.20	N	1
411	33137907	3313.30	7907.90	N	3
412	33137908	3313.20	7908.20	N	6
413	33137909	3313.00	7909.20	N	1
414	33137911	3313.20	7911.35	N	1
415	33147901	3314.80	7901.03	N	1
416	33147909	3314.40	7909.40	N	1
417	33157902	3315.00	7902.50		2
418	33157903	3315.80	7903.50	N	1
419	33157908	3315.07	7908.60	N	1
420	33167902	3316.96	7902.86	N	2
421	33167908	3316.60	7908.20	P	1
422	33167909	3316.42	7909.56	N	1
423	33177900	3317.95	7900.80	N	1
424	33177905	3317.98	7905.07	H	2
425	33177908	3317.60	7908.90	N	3
426	33187903	3318.25	7903.81	N	1
427	33187905	3318.74	7905.16	N	1
428	33187907	3318.20	7907.30	H	11
429	33187908	3318.23	7908.65	N	1
430	33197900	3319.80	7900.90	N	1
431	33197901	3319.06	7901.78	N	1
432	33197903	3319.98	7903.68		1
433	33197904	3319.27	7904.00	N	2
434	33197907	3319.30	7907.20	P	18
435	33207900	3320.27	7900.00		1
436	33207901	3320.90	7901.60	N	1
437	33207903	3320.98	7903.03	N	3
438	33207905	3320.06	7905.26	N	1
439	33207907	3320.60	7907.00	P	9
440	33217854	3321.11	7854.49	N	1
441	33217857	3321.94	7857.94	N	2
442	33217859	3321.80	7859.60	N	1
443	33217900	3321.00	7900.53		1
444	33217902	3322.00	7902.13		1
445	33217903	3321.08	7903.00		1
446	33217905	3321.00	7905.90	N	1
447	33217906	3321.20	7906.60	H	9
448	33217908	3321.27	7908.35	N	1
449	33227854	3322.99	7854.69	N	1
450	33227855	3322.37	7855.56	N	1
451	33227900	3322.22	7900.96	N	1
452	33227901	3321.45	7901.00		2
453	33227902	3322.28	7902.00		1
454	33227904	3322.46	7904.40	N	1
455	33227906	3322.80	7906.70	H	2
456	33227907	3322.30	7907.20	N	8
457	33237853	3323.48	7853.71	N	1
458	33237855	3323.95	7855.28	N	1
459	33237856	3323.34	7856.42	N	2
460	33237859	3323.74	7859.11	N	1
461	33237900	3323.98	7900.23		1
462	33237901	3323.20	7901.00		1

OBS	BLOCK	LATITUDE	LONGITUD	HARD_EV	NUM_OBS
463	33237902	3323.88	7902.01	N	1
464	33237903	3323.40	7903.10	N	1
465	33237904	3323.50	7904.20	N	1
466	33237907	3323.78	7907.79	N	1
467	33247850	3324.04	7850.62	N	1
468	33247854	3324.55	7854.43	N	1
469	33247857	3324.36	7857.27	N	1
470	33247859	3324.81	7859.91	N	2
471	33247900	3324.33	7900.00		1
472	33247903	3324.70	7903.00	P	1
473	33247905	3324.16	7905.71	H	2
474	33257851	3325.19	7851.74	A	2
475	33257852	3325.97	7852.28	A	1
476	33257853	3325.30	7853.60		1
477	33257855	3325.20	7855.90	N	1
478	33257856	3325.60	7856.53	N	1
479	33257857	3325.35	7857.94	N	1
480	33257858	3325.58	7858.06	N	2
481	33257859	3325.38	7859.00		1
482	33257900	3325.79	7900.72	A	5
483	33257902	3325.11	7902.81	N	1
484	33257905	3325.10	7905.90	H	5
485	33257906	3325.74	7906.81	N	1
486	33267852	3326.15	7852.71	A	3
487	33267855	3326.31	7855.84	N	2
488	33267856	3326.98	7856.62		2
489	33267857	3326.98	7857.13		2
490	33267858	3326.14	7858.42	N	2
491	33267900	3326.98	7900.26	N	1
492	33267902	3326.64	7902.21	H	3
493	33267905	3326.60	7905.60	H	1
494	33277851	3327.72	7851.14	N	1
495	33277854	3327.31	7854.06	N	1
496	33277855	3327.98	7855.90		2
497	33277856	3327.87	7856.00		2
498	33277857	3327.89	7857.15	N	3
499	33277858	3327.27	7858.41	N	1
500	33277901	3327.63	7901.40	N	2
501	33277903	3327.20	7903.00	P	2
502	33277904	3327.10	7904.13	H	2
503	33287855	3328.57	7855.97	N	3
504	33287858	3328.35	7858.00		1
505	33287900	3328.70	7900.31	N	1
506	33287902	3328.54	7902.65	N	1
507	33287903	3328.40	7903.90	N	1
508	33287905	3328.36	7905.09	N	1
509	33297849	3329.00	7849.20		1
510	33297850	3329.27	7850.27	N	1
511	33297852	3329.43	7852.73	N	1
512	33297855	3329.99	7855.32	N	2
513	33297856	3329.44	7856.25	N	1
514	33297858	3329.00	7858.42		1
515	33297859	3329.56	7859.22	N	1
516	33297901	3329.64	7901.95		3
517	33297902	3329.58	7902.00		1
518	33297903	3329.36	7903.97	N	2
519	33307853	3330.38	7853.80	H	1
520	33307854	3330.75	7854.08	N	2
521	33307855	3330.73	7855.00	P	2
522	33307857	3330.89	7857.81	A	5
523	33307859	3330.80	7859.50	N	1
524	33307900	3330.50	7900.50	N	2
525	33307901	3330.00	7901.65		1
526	33307902	3330.38	7902.49	N	1
527	33317846	3331.77	7846.86	N	1
528	33317848	3331.00	7848.50	P	1

OBS	BLOCK	LATITUDE	LONGITUD	HARD_EV	NUM_OBS
529	33317850	3331.47	7850.81	N	1
530	33317853	3331.50	7853.00	N	1
531	33317854	3331.98	7854.37	N	2
532	33317855	3331.83	7855.93	N	4
533	33317856	3331.58	7856.12	N	4
534	33317857	3331.83	7857.22	N	2
535	33317858	3331.40	7858.98		1
536	33317859	3331.98	7859.08		2
537	33317900	3331.57	7900.98		2
538	33317901	3331.00	7901.25		1
539	33327851	3332.19	7851.78	N	1
540	33327852	3332.94	7852.53	N	1
541	33327854	3332.78	7854.00		1
542	33327855	3332.00	7855.00	N	11
543	33327856	3332.58	7856.00	H	20
544	33327857	3332.75	7857.63	H	20
545	33327858	3332.70	7858.30	H	12
546	33327859	3332.22	7859.14	N	2
547	33327900	3332.00	7900.32		1
548	33337848	3333.26	7848.74	N	1
549	33337854	3333.02	7854.97	N	1
550	33337855	3333.63	7855.95	H	11
551	33337856	3333.48	7856.77	H	19
552	33337857	3333.85	7857.12	H	26
553	33337858	3333.43	7858.12	H	10
554	33337900	3333.37	7900.44	N	1
555	33347850	3334.82	7850.70	N	1
556	33347854	3334.23	7854.98		2
557	33347855	3334.00	7855.35		1
558	33347856	3334.15	7856.83	N	4
559	33347857	3334.02	7857.55	N	14
560	33347858	3334.20	7858.20	P	2
561	33347859	3334.20	7859.10	P	1
562	33357844	3335.90	7844.60	N	1
563	33357846	3335.04	7846.64	N	1
564	33357850	3335.80	7850.50	N	1
565	33357853	3335.53	7853.98		1
566	33357854	3335.00	7854.43	H	2
567	33357855	3335.86	7855.85	P	2
568	33357856	3335.90	7856.20	H	1
569	33357858	3335.15	7858.82	N	1
570	33367846	3336.10	7846.70	N	1
571	33367848	3336.39	7848.56	N	1
572	33367850	3336.00	7850.40	N	1
573	33367852	3336.63	7852.98	N	2
574	33367853	3336.00	7853.62		1
575	33367855	3336.50	7855.40	H	5
576	33367857	3336.73	7857.06	N	1
577	33367943	3236.60	7943.74	N	5
578	33377846	3337.00	7846.10	N	2
579	33377850	3337.76	7850.50	N	1
580	33377851	3337.62	7851.70	N	7
581	33377852	3337.90	7852.70	N	9
582	33377853	3337.58	7853.68		1
583	33377854	3337.52	7854.17	N	2
584	33377855	3337.30	7855.80	H	2
585	33377942	3237.98	7942.42	N	5
586	33377943	3237.56	7943.86	H	11
587	33377944	3237.98	7944.40	N	5
588	33377945	3237.44	7945.12	H	10
589	33377946	3237.98	7946.08	N	3
590	33377947	3237.98	7947.04	N	1
591	33387843	3338.70	7843.15		1
592	33387846	3338.43	7846.06		2
593	33387848	3338.90	7848.10	N	2
594	33387850	3338.87	7850.98		1

OBS	BLOCK	LATITUDE	LONGITUD	HARD_EV	NUM_OBS
595	33387851	3338.22	7851.90	N	6
596	33387852	3338.00	7852.58	H	16
597	33387853	3338.97	7853.18	H	8
598	33387854	3338.20	7854.60	P	2
599	33387855	3338.56	7855.32	N	1
600	33387942	3238.46	7942.36	N	2
601	33387943	3238.34	7943.98	N	7
602	33387944	3238.46	7944.58	N	7
603	33387945	3238.30	7945.00	N	3
604	33387946	3238.22	7946.02	H	5
605	33387947	3238.46	7947.64	H	2
606	33387948	3238.82	7948.00	H	3
607	33387949	3238.85	7949.02	N	2
608	33387954	3338.85	7854.15	N	1
609	33397842	3339.79	7842.11		1
610	33397844	3340.01	7844.65		1
611	33397845	3339.22	7845.38		1
612	33397847	3339.50	7847.50	N	1
613	33397848	3339.09	7848.15		1
614	33397850	3339.00	7850.77	H	2
615	33397852	3339.25	7852.35	H	14
616	33397853	3339.58	7853.48	N	6
617	33397854	3339.17	7854.68	N	7
618	33397942	3239.00	7942.86	N	1
619	33397944	3239.30	7944.28	N	4
620	33397945	3239.00	7945.12	N	6
621	33397946	3239.72	7946.38	H	5
622	33397947	3239.78	7947.82	H	3
623	33397948	3239.60	7948.12	H	4
624	33407841	3340.39	7841.51		1
625	33407842	3340.50	7842.90	N	1
626	33407843	3340.40	7843.80	N	1
627	33407844	3340.00	7844.00	H	2
628	33407846	3340.55	7846.34	H	2
629	33407847	3340.98	7847.83		2
630	33407849	3340.00	7849.88	H	5
631	33407850	3340.00	7850.16	H	5
632	33407851	3340.26	7851.47	N	5
633	33407852	3340.57	7852.57	N	12
634	33407853	3340.17	7853.24	H	10
635	33407946	3240.34	7946.98	N	2
636	33407947	3240.02	7947.64	H	3
637	33407948	3240.20	7948.00	H	4
638	33417840	3341.24	7840.79		2
639	33417841	3341.40	7841.90	N	1
640	33417843	3341.50	7843.41		1
641	33417845	3341.61	7845.86		1
642	33417846	3342.00	7846.82		2
643	33417847	3341.80	7847.35	N	15
644	33417848	3341.87	7847.10	N	4
645	33417849	3341.00	7849.86	H	2
646	33417850	3341.50	7850.30	H	13
647	33417851	3341.35	7851.47	N	56
648	33417852	3341.15	7852.23	N	12
649	33427837	3342.71	7837.31	H	1
650	33427839	3342.77	7839.37		1
651	33427842	3342.30	7842.80	H	2
652	33427846	3342.87	7846.97		2
653	33427847	3342.37	7847.65	H	13
654	33427848	3342.10	7848.53	H	24
655	33427849	3342.78	7849.02	H	8
656	33427850	3342.35	7850.35	H	33
657	33427851	3342.19	7851.06	N	22
658	33427852	3342.05	7851.03	N	1
659	33437838	3343.30	7838.40	H	2
660	33437842	3343.20	7842.50	H	3

OBS	BLOCK	LATITUDE	LONGITUD	HARD_EV	NUM_OBS
661	33437843	3344.03	7843.58		1
662	33437844	3343.15	7844.43		1
663	33437845	3343.60	7845.30	M	1
664	33437846	3343.78	7846.17		1
665	33437847	3343.00	7847.86	M	2
666	33437848	3343.12	7848.57	M	18
667	33437849	3343.11	7849.59	M	7
668	33437850	3343.00	7850.27	M	8
669	33437851	3341.35	7851.59		1
670	33447836	3344.00	7836.70	M	1
671	33447837	3344.94	7837.55		1
672	33447838	3344.53	7838.14		1
673	33447842	3344.02	7842.49	M	1
674	33447844	3344.80	7844.20	P	3
675	33447846	3344.10	7846.40	M	2
676	33447847	3344.90	7847.98	M	4
677	33447848	3344.98	7848.05	M	2
678	33447849	3344.18	7849.17	M	1
679	33457832	3345.57	7832.80		1
680	33457833	3345.23	7833.76		1
681	33457834	3345.57	7834.31	M	3
682	33457835	3345.69	7835.46		1
683	33457836	3345.37	7836.32		1
684	33457841	3345.06	7841.58	M	1
685	33457842	3345.40	7842.10	M	1
686	33457845	3345.21	7845.41		1
687	33467832	3346.63	7832.46		1
688	33467833	3346.34	7833.48		1
689	33467834	3346.82	7834.76		1
690	33467835	3346.92	7835.97	M	1
691	33467836	3346.82	7836.35	M	2
692	33467840	3346.90	7840.80	M	1
693	33467841	3346.40	7841.40	M	1
694	33477830	3347.29	7830.50		1
695	33477831	3347.04	7831.52		1
696	33477832	3347.96	7832.00	M	1
697	33477833	3347.87	7833.23	M	2
698	33477834	3347.55	7834.13	M	7
699	33477835	3347.35	7835.80	M	12
700	33477836	3347.97	7836.48	M	17
701	33477837	3347.40	7837.22	M	6
702	33477838	3347.40	7838.20	M	11
703	33477839	3347.30	7839.50	M	1
704	33477840	3347.30	7840.90	M	3
705	33477841	3347.40	7841.00	M	5
706	33477848	3347.90	7838.10	M	1
707	33487831	3348.52	7831.00	A	4
708	33487832	3348.02	7832.77	A	17
709	33487833	3348.28	7833.15	M	22
710	33487834	3348.28	7834.42	M	16
711	33487835	3348.43	7835.20	M	17
712	33487836	3348.68	7836.73	M	27
713	33487837	3348.08	7837.37	M	22
714	33487838	3348.25	7838.02	M	4
715	33487839	3348.59	7839.82		1
716	33487933	3348.80	7833.00	M	1
717	33487936	3348.96	7836.46	M	1
718	33497831	3349.00	7831.58	A	5
719	33497832	3349.10	7832.70	M	17
720	33497833	3349.06	7833.00	M	41
721	33497834	3349.02	7834.62	M	32
722	33497835	3349.00	7835.74	M	21
723	33497836	3349.05	7836.02	M	6
724	33497837	3349.44	7837.03	M	2
725	33497933	3349.00	7933.19	M	1
726	33497934	3349.86	7834.00	M	1

OBS	BLOCK	LATITUDE	LONGITUD	HARD_EV	NUM_OBS
727	33507831	3350.00	7831.89	A	2
728	33507832	3350.00	7832.19	A	10
729	33517827	3351.80	7827.20	N	1
730	33517828	3351.80	7828.20	N	1
731	33517829	3351.40	7829.70	N	2
732	33517830	3351.00	7830.80	N	1
733	33527824	3352.90	7824.40	N	1
734	33527825	3352.60	7825.60	N	1
735	33527826	3352.30	7826.20	N	1
736	33537820	3353.20	7820.60	H	6
737	33537821	3353.20	7821.40	N	1
738	33537822	3353.10	7822.80	N	1

APPENDIX 4. Graphical summary of data distribution by gear type or data source (for Maps Unique, Inc. only). Only the start coordinates are shown in the figures for trawl and TV data.

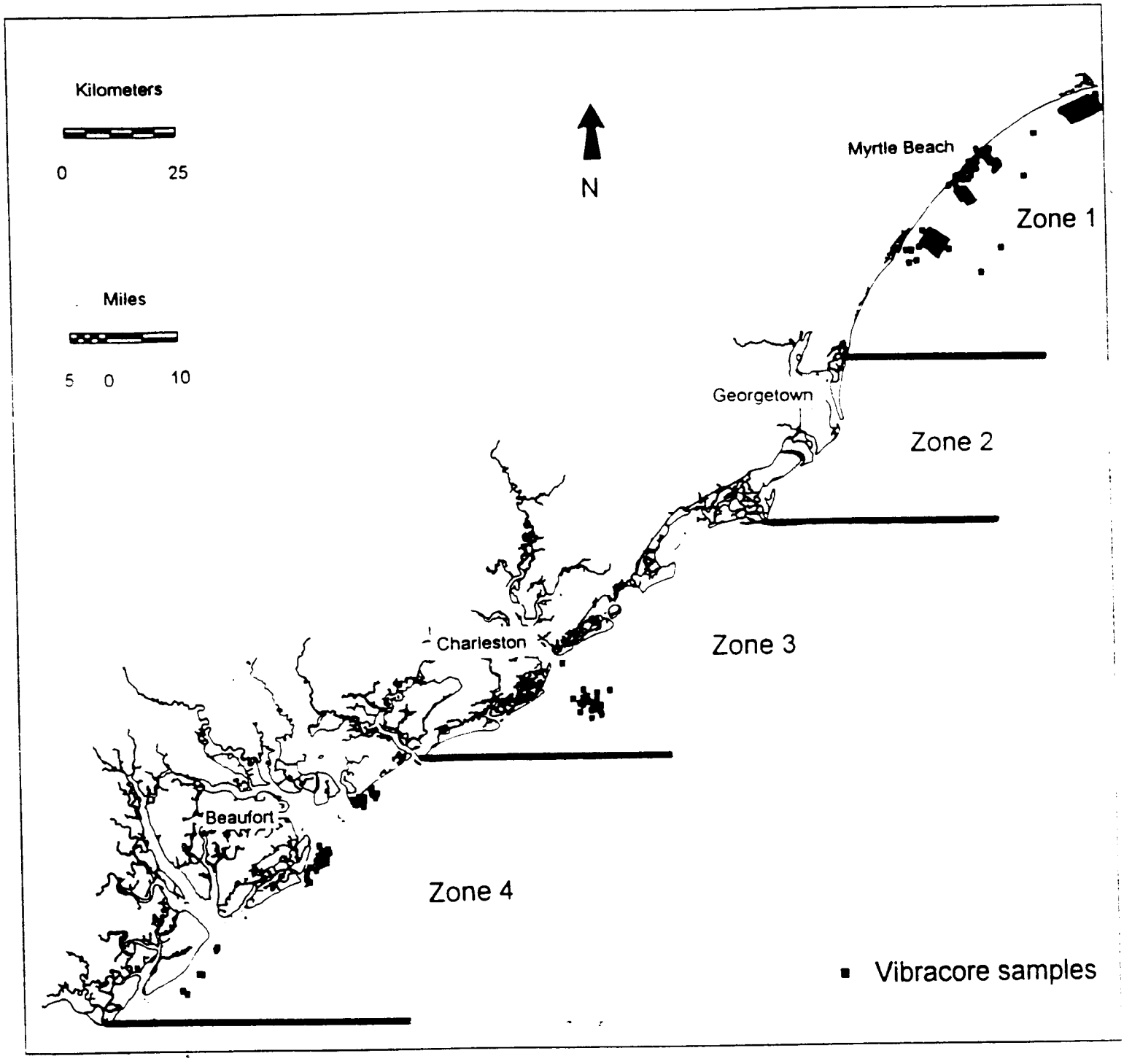

Figure 1. Locations of vibracore samples included in the database.

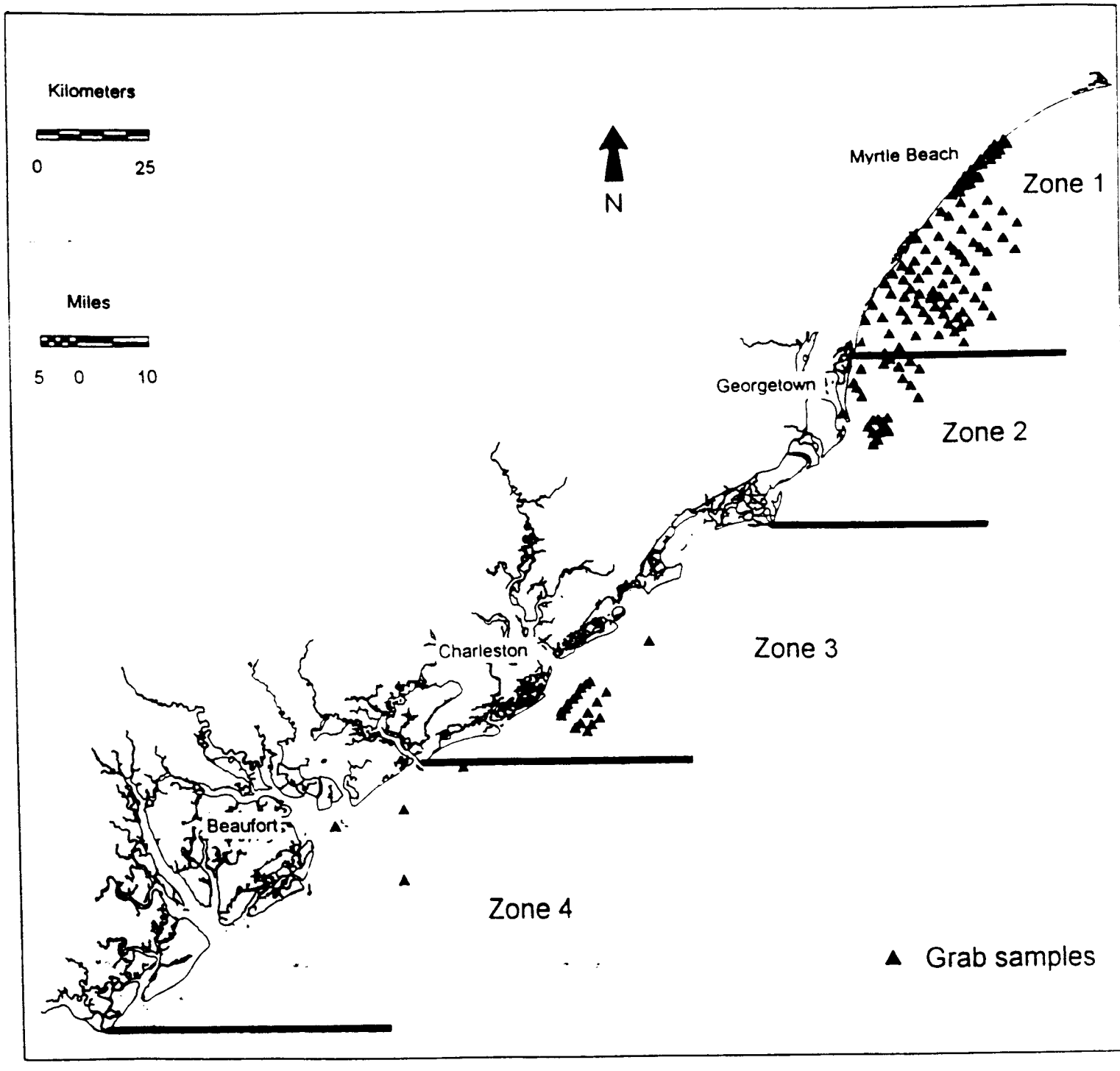

Figure 2. Locations of grab samples included in the database.

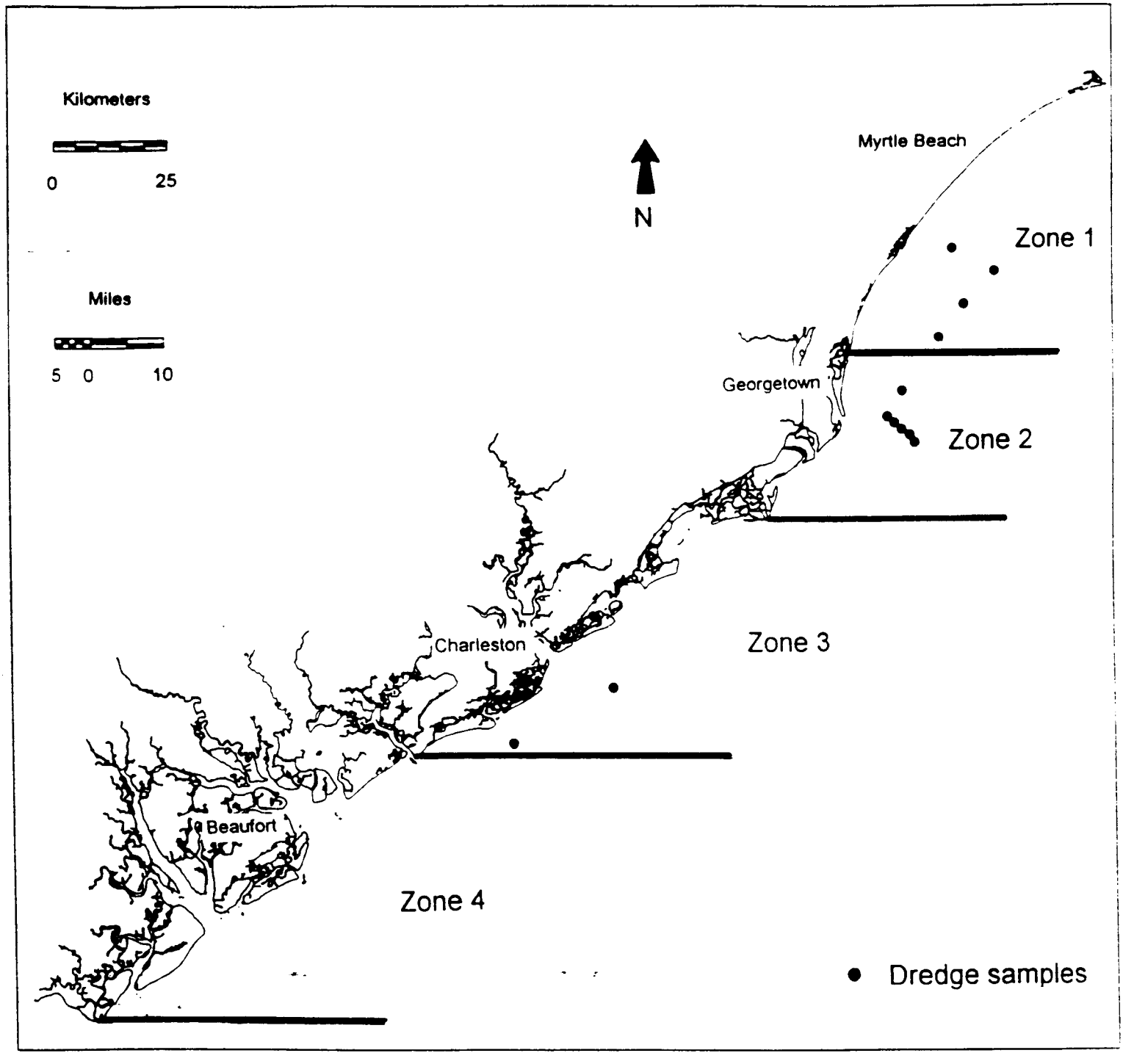

Figure 3. Locations of dredge samples included in the database.

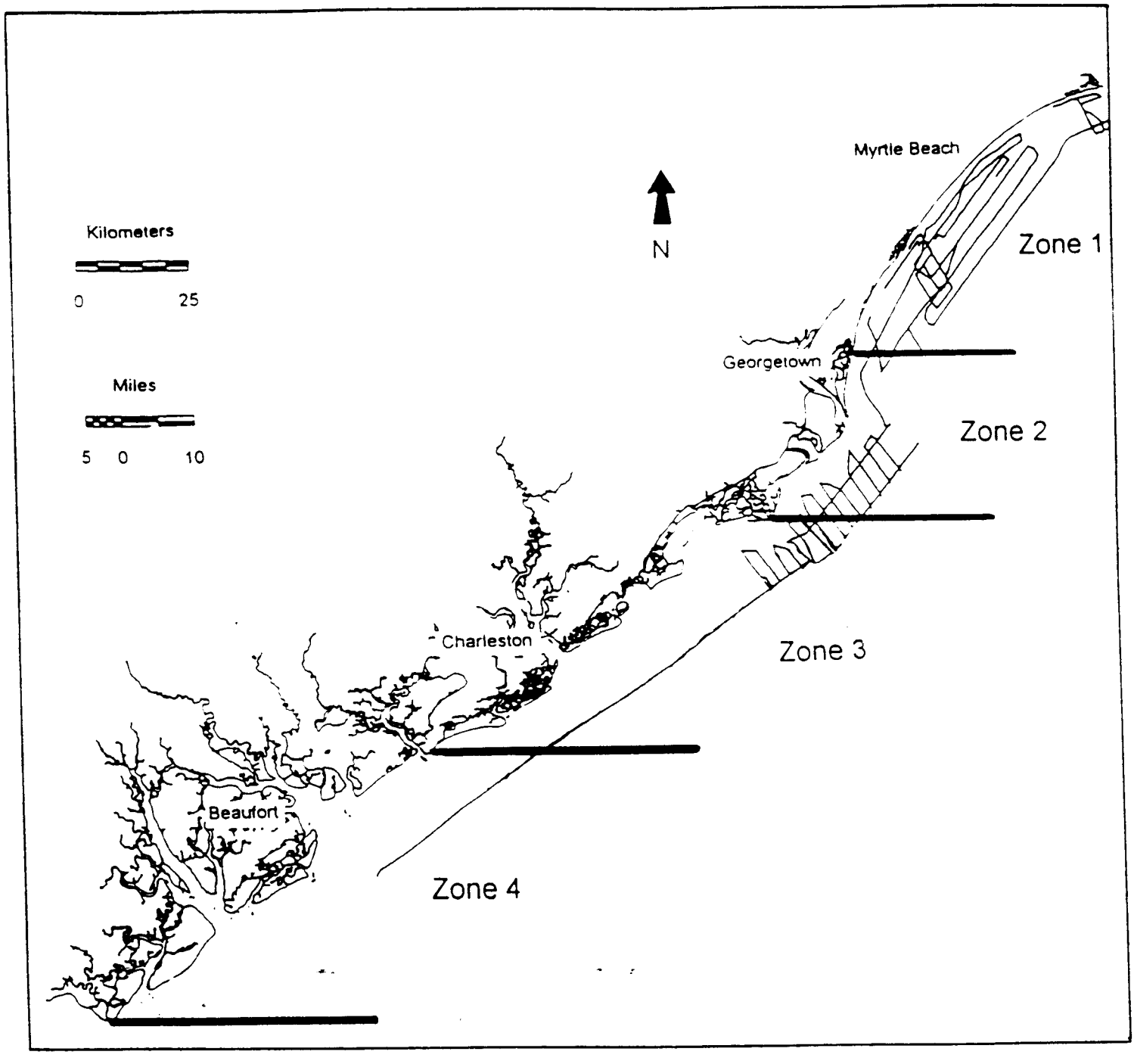

Figure 4. Locations of seismic tracklines included in the database.

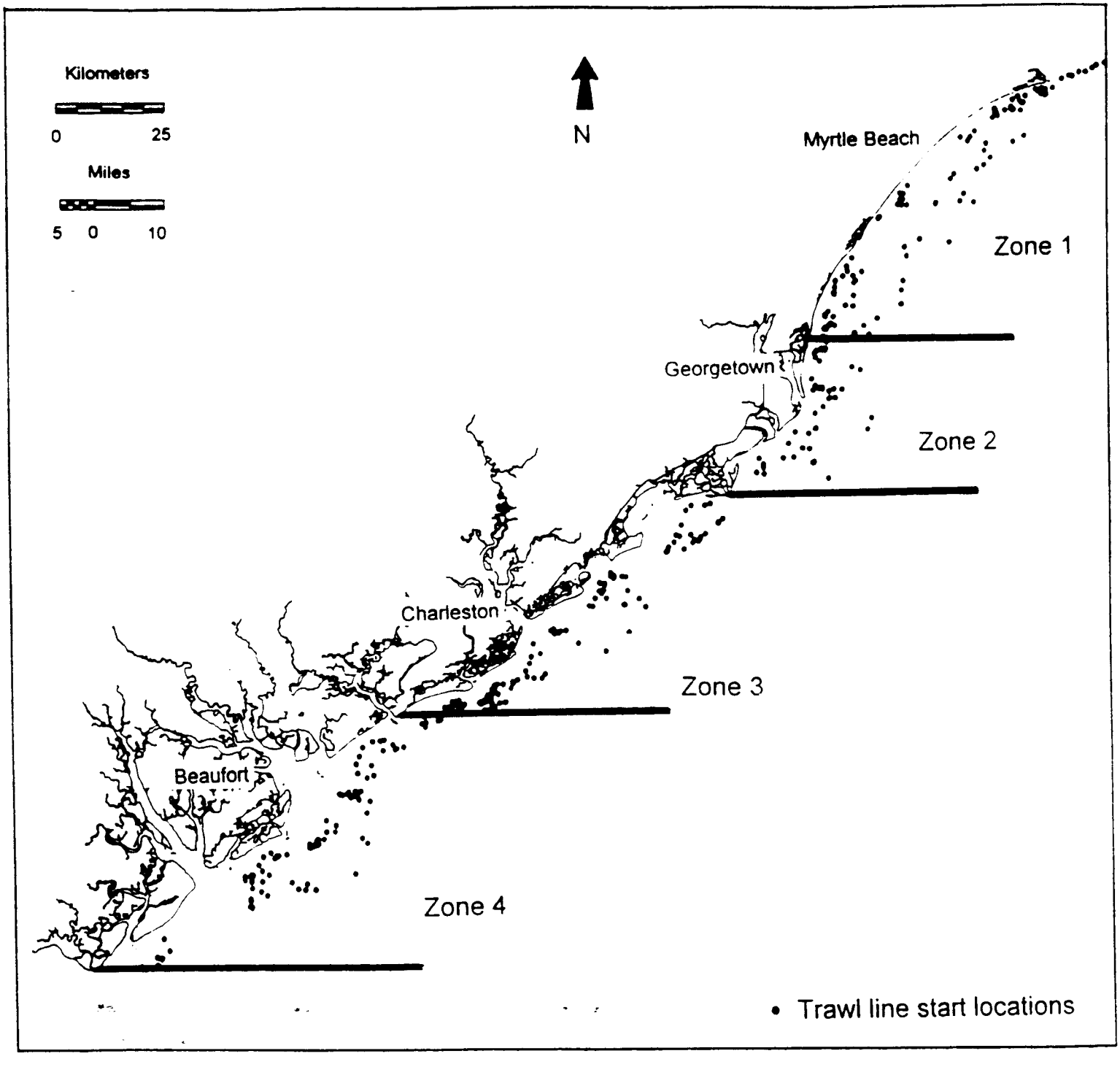

Figure 5. Locations of starting points for variety of trawl lines.

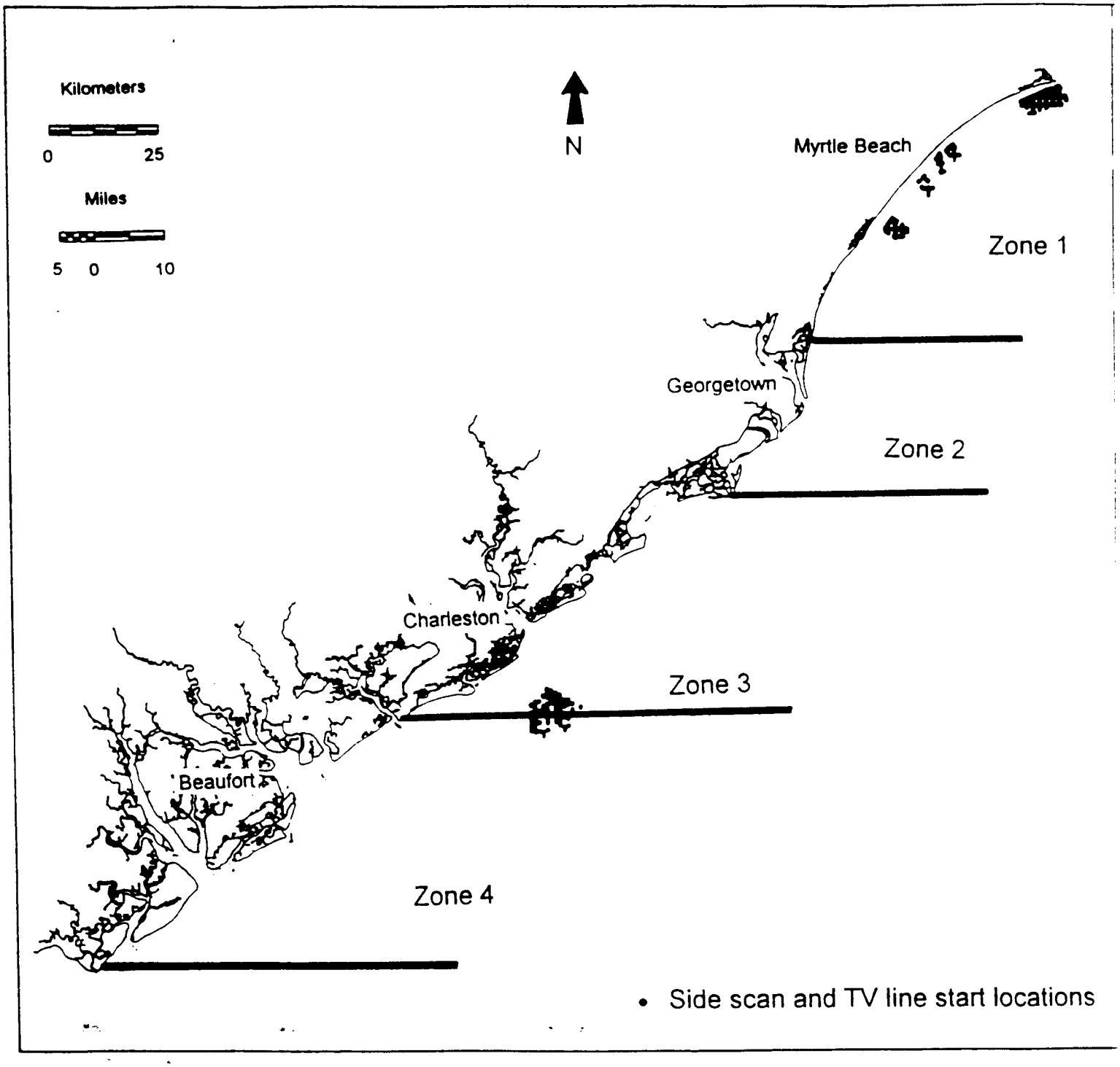

Figure 6. Locations of starting points for side scan and TV lines. Note that some data points are strictly side scan records, some have TV run concurrently.

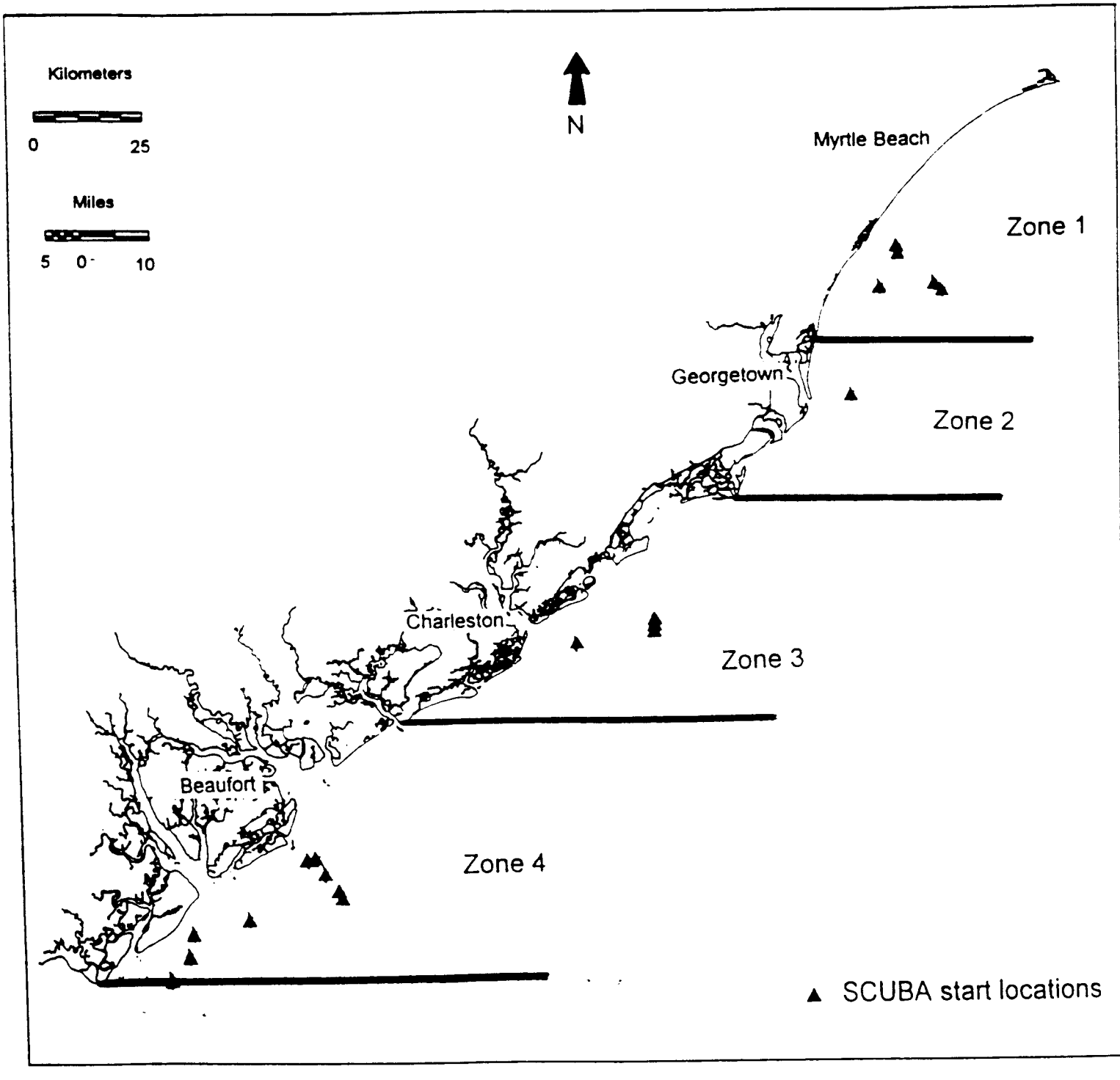

Figure 7. Locations of starting points for SCUBA dives.

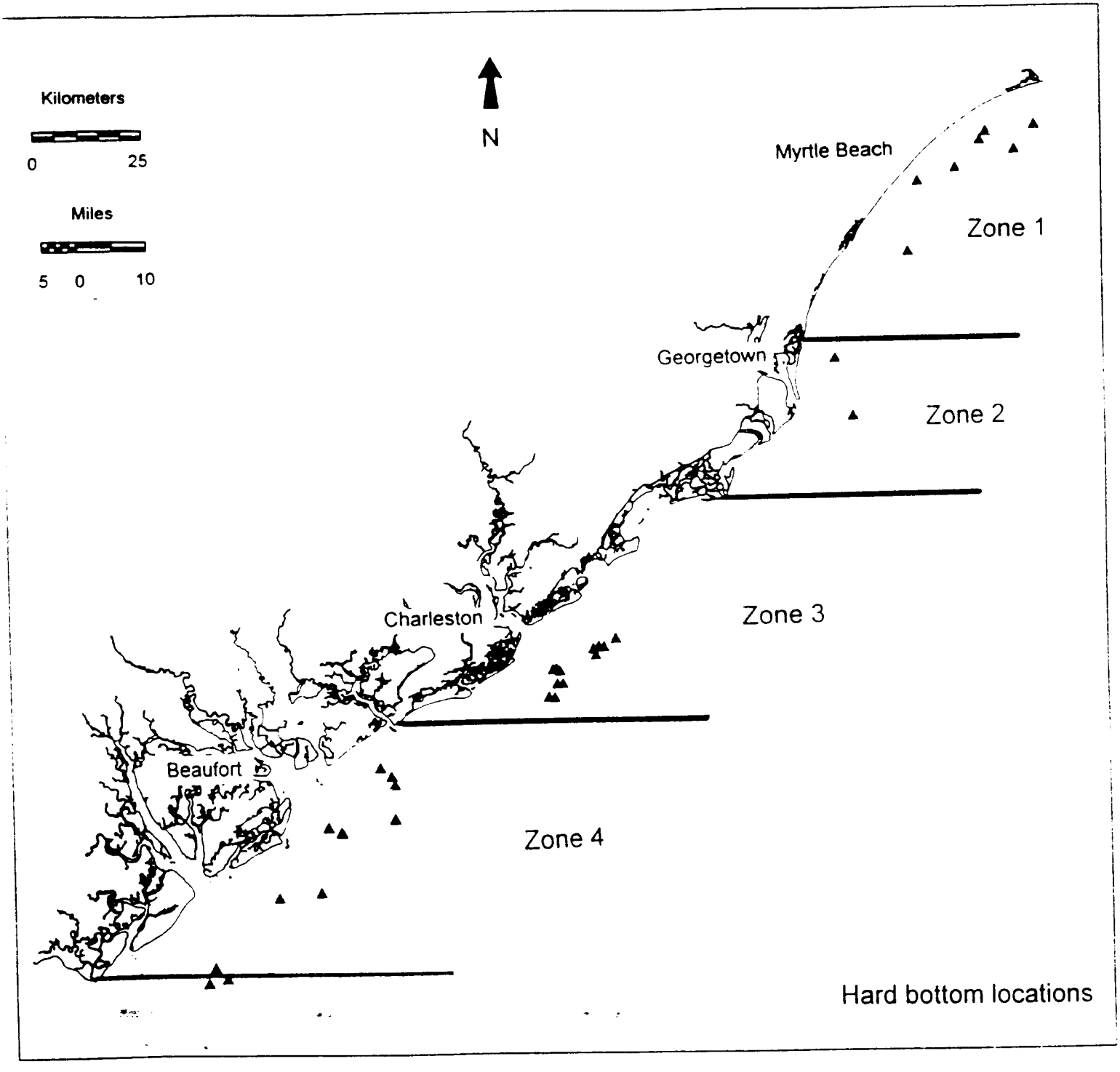

Figure 8. Locations of hard bottom from Maps Unique, Inc.

APPENDIX 5. Bibliography of geological references compiled for the South Carolina continental shelf.

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APPENDIX 6. Listing of flight line data and photographs provided in the database on aerial imagery available for the South Carolina coastline.

Appendix 6.

Location	Scale	Date	Comments
AWENDAW 18-A-1	1:24,000	1988	Flight line photos 8534 to 8539 (6 photos), 8504 to 8509 (6 photos), 8465 to 8470 (6 photos).
AWENDAW 18-A-2	1:24,000	1982	Flight line photos 44s-93 to 44s-95 (2 photos),45n-15 to 45n-19 (3 photos), 46s-3 to 46s-7 (3 photos).
AWENDAW 18-A-3	1:40,000	1989	Flight line photos 1661-35 to 1661-38 (2 photos), 1661-23 to 1661 -25 (2 photos).
AWENDAW 18-B-1	1:12,000	1979	Flight line photos q200 to q212 (13 photos), q216 to q222 (7 photos), q178 to q188 (11 photos).
AWENDAW 18-B-2	1: 20,000	1977	Flight line photos b-36-8 to b-36-13 (6 photos), b-37-8 to b-37-13 (6 photos), b-38-9 to b-38-14 (6 photos), b-39-9 to b-39-13 (5 photos), b-40-14 to b-40-18 (5 photos).
BENATEC PHOTOS	1:12,000	1988	Benatec flight lines were flown in July of 1988. Lines 5 through 47 and 58 through 72 are 1:6000 scale. Lines 1 through 4 and 48 through 57 are 1:12,000 scale. These flight lines cover the entire coast.
BLUFF-2A-6	1:24,000	1982	Flight line photos-14n-185 to 14n-189 (3 photos)
BLUFF-2A-7	1:40,000	1989	Flight line photos 1363-63 to 1363-64 (1 photo).
BLUFF-2A-8	1:40,000	1989	Flight line photo 155-73.
BLUFF-2A-9	1:40,000	1989	Flight line photos 87-214a to 87-219a (5 photos).
BLUFF-2B-1	1:12,000	1979	Flight line photos-b-415 to b-419 (5 photos)
BLUFF-2B-10	1:12,000	1979	Flight line photos-DD-314 to DD-317 (4 photos)
BLUFF-2B-11	1:12,000	1979	Flight line photos-DD-322 to DD-326 (5 photos)
BLUFF-2B-12	1:20,000	1981	Flight line photos-HHI-10 to HHI-11 (2 photos)
BLUFF-2B-13	1:20,000	1981	Flight line photos-HHI-22 to HHI-23 (2 photos)
BLUFF-2B-14	1:20,000	1981	Flight line photos-HHI-33 to HHI-34 (2 photos)
BLUFF-2B-15	1:10,000	1981	Flight line photos-HHI-49 to HHI-55, HHI-29 (8 photos?)

Appendix 6.

Location	Scale	Date	Comments
BLUFF-2B-2	1:12,000	1979	Flight line photos-b-309 to b-314 (6 photos)
BLUFF-2B-3	1:12,000	1979	Flight line photos-b-293 to b-305 (13 photos)
BLUFF-2B-4	1:12,000	1979	Flight line photos-b-195 to b-207 (13 photos)
BLUFF-2B-5	1:12,000	1979	Flight line photos-b-68 to b-80 (13 photos)
BLUFF-2B-6	1:12,000	1979	Flight line photos-b-167 to b-180 (14 photos)
BLUFF-2B-7	1:12,000	1979	Flight line photos-a-396 to a-403 (8 photos)
BLUFF-2B-8	1:12,000	1979	flight line photos-a-358 to a-361 (4 photos)
BLUFF-2B-9	1:20,000	1977	Flight line photos-b-8 1/2-8 to b-8 1/2-15 (8 photos)
BROOKGREEN 25A-1	1:6,000	1987	Flight line photos 87-93 to 87-106 (14 photos)
BROOKGREEN 25A-2	1:10,000	1979	Flight line photos GS-2 to GS-18 (9 photos)
BROOKGREEN 25A-3	1:40,000	1989	Flight line photos 1657-31, 1657-34, 1657-40, 1657-42
BROOKGREEN 25A-4	1:24,000	1982	Flight line photos 56s-141 to 56s-145, 57n-159 to 57n-163, 58s-35 to 58s-39 (3 photos each)
BROOKGREEN 25B-1	1:24,000	1982	Flight line photos WAC-18 to WAC-24 (7 photos), WAC-83 to WAC-89 (7 photos) WAC series continues on magnolia quad
BROOKGREEN 25B-2	1:24,000	1982	Flight line photos DD-4 to DD-25 (22 photos), DD-77 to DD-86 (10 photos)
BROOKGREEN 25B-3	1:12,000	1979	Flight line photos k-75 to k-96 (22 photos), k-139 to k-151 photos), k-154 to k-159 (9 photos)
BROOKGREEN 25B4	1:10,000	1979	Flight line photos SD-1 to SD-3 (3 photos)
BROOKGREEN 25B-5	1:12,000	1979	Flight line photos g-438 to g-446 (9 photos)
BULL ISLAND 17-A-1	1:6000	1987	Flight line photos 87-218 to 87-233 (16 photos).
BULL ISLAND 17-A-2	1:24,000	1988	Flight line photos 8464, 8510 to 8514 (5 photos), 8528 to 8533 (6 photos).
BULL ISLAND 17-A-3	1:24,000	1982	Flight line photos 45n-9 to 45n13 (3 photos), 44s-97 to 44s101 (3 photos).
BULL ISLAND 17-A-4	1:40,000	1989	Flight line photos 1661-27, 1661-31 to 1661-33 (2 photos).

Appendix 6.

Location	Scale	Date	Comments
BULL ISLAND 17-B-1	1:20,000	1977	Flight line photos b-32-2 to b-32-4 (2 photos), b-34-1 to b-34-3 (3 photos), to b-35-1 to b-35-3 (3 photos), b-36-8 b-36-10 (3 photos).
BULL ISLAND 17-B -2			Flight line photos DD 156 to DD 163 (8 photos), DD 386.
BULL ISLAND 1 7-B-3	1:12,000	1979	Flight line photos e217 to e221 (5 photos).
BULL ISLAND	1:12,000	1979	Flight line photos d202 to d213 (12 photos), d361 to d367 (7 1 7-b-4 photos)
CAPE ROMAIN 20A-1			Flight line photos 87-171 to 87-199 (29 photos-continues on 19a with 87-200 ???)
CAPE ROMAIN 20A-2	1:40,000	1989	Flight line photos 1658-4 to 1658-6 (2 photos), 1657-211, 31 68-13
CAPE ROMAIN 20A-3	1:24,000	1988	Flight line photos 8300 to 8304
CAPE ROMAIN 20A-4	1:24,000	1982	Flight line photos 50n-1 to 50n-5 (3 photos), 52n-107
CAPE ROMAIN 20B-1	1:12,000	1979	Flight line photos f-145, f-168 to f-172 (5 photos), f-236 to f-241 (6 photos), f-248 to f-261 (14 photos), f-305 to f-308 (4 photos)
CAPE ROMAIN 20B-2			Flight line photos DD-125 to DD-144 (20 photos)
CAPE ROMAIN 20B-3	1:20,000	1977	Flight line photos b-36-1 to b-36-2 (2 photos), b-37-1 to b-37-2 (2 photos), b-38-1 to b-38-3 (3 photos), b-39-1 to b-39-2 (2 photos), b-40-1 to b-40-7 (7 photos)
CAPE ROMAIN 20B-5	1:12,000	1979	Flight line photos h-237 and h-238
CAPERS INLET 15-A-1	1:12,000	1979	Flight line photos n200 to n198 (3 photos), n167 to n175 (9 photos)
CAPERS INLET 15-A-2	1:12,000	1979	Flight line photos d349 to d353 (5 photos)
CAPERS INLET 15-A-3	1:12,000	1979	Flight line photos e206 to 211 (6 photos), e222 to e227 (6 photos), e350 to e354 (5 photos).
CAPERS INLET 15-A-4			Flight line photos DD 166 to DD 177 (12 photos), DD 378 to DD 383 (6 photos), DD 387 to DD 389 (3 photos).
CAPERS INLET 15-A-5	1:20,000	1977	Flight line photos b-31-1 to b-31-2 (3 photos), b-30-1 and b-30-2, b-29-1,b-28-1

Appendix 6.

Location	Scale	Date	Comments
CAPERS INLET 15-B-1	1:6000	1987	Flight line photos 87-238 to 87-262 (25 photos).
CAPERS INLET 15-B-2	1:24,000	1982	Flight line photos 42s-71 to 42s-75 (3 photos), 42s-67 to 42s-69 (2 photos).
CAPERS INLET 15-B-3	1:40,000	1989	Flight line photos 1661-81 to 1661-85 (3 photos).
CAPERS INLET 15-B-4	1:24,000	1988	Flight line photos 8575 to 8577 (3 photos).EPA
CHARLESTON 13A-1			Flight line photos 3 to 33 (31 photos-line flown on 25-July-84)
CHARLESTON 13B	1:12,000	1979	Flight line photos d-332 to d-335 (3 photos), d-247 to d-254 (6 photos), d-171 to d-177 (6 photos), r-132 to r-136 (4 photos).
CHARLESTON 13C	1:40,000	1989	Flight line photos 1363-34 to 1363-48 (14 photos).
CHARLESTON 13C-2	1:24,000	1982	Flight line photos 36n-67 to 36n-69 (2 photos), 37s-59 to 37s-61 (2 photos).
EDISTO BEACH 8A-1			Flight line photos 87-105a to 87-123a (19 photo-continues with 87-124a on St.. Helena sound 7a-1)
EDISTO BEACH 8A-2	1:40,000	1989	Flight line photos 1359-78, 1360-14
EDISTO BEACH 8 A-3	1:24,000	1982	Flight line photos 26s-93 and 27n-95
EDISTO BEACH 8 B-1			Flight line photos DD-247 to DD-254+b, and DD-56 (9 photos) DD-358 and DD-359
EDISTO BEACH 8 B-2	1:12,000	1979	Flight line photos e-399 to e-403 (5 photos)
EDISTO BEACH 8B-3	1:20,000	1977	Flight line photos b-17-1 to b-17-2 (2 photos),-18-1 to b-18-4 (4 photos)
EDISTO BEACH 8B-4			Flight line photos j-45 to j-47 (3 photos)
EDISTO IS. 9A-1			Flight line photos 87-95a to 87-104a (10 photos-continue with 87-105a on St.. Helena 7a-1)
EDISTO IS. 9A-2	1:24,000	1982	Flight line photos 26s-87 to 26s-91 (3 photos), 27n-97 to 27n-101 (3 photos), and 28s-35 to 28s-37 (2 photos)
EDISTO IS. 9A-3	1:40,000	1989	Flight line photos 1359-74, 1359-76, 1358-78, 1360-16, 1 3 60-18

Appendix 6.

Location	Scale	Date	Comments
EDISTO IS. 9B-1	1:12,000	1979	Flight line photos d-134 to d-137 (4 photos), d-141 to d148 (8 photos), d-279 to d-290 (12 photos), d-295 to d-305 (11 photos)
EDISTO IS. 9B-2	1:12,000	1979	Flight line photos j-35 to j-45 (11 photos), j-52 to j-60 (9 photos)
EDISTO IS. 9B-3			Flight line photos n-18 to n-28 (11 photos), n-65 to n-70 (6 photos)
EDISTO IS. 9B-4	1:12,000	1979	Flight line photos e-286 to e-306 (21 photos), e-394 to e-398 (5 photos)
EDISTO IS. 9B-5	1:12,000	1979	Flight line photos DD-242 to DD-246 (5 photos), DD-255, DD-361
EDISTO IS. 9B-6			Flight line photos SD-116 to SD-121 (6 photos)
EDISTO IS. 9B-7			Flight line photos q-91 to q-94 (4 photos)
EDISTO IS. 9B-8	1:20,000	1977	Flight line photos b-19-1 to b-19-6 (6 photos), b-20-4 to b-20-8 (5 photos), b-21 -6 to b-21 -10 (5 photos), b-22-11 to b-22-15 (5 photos)
FRIPPS 6A-1			Flight line photos DD-267 to DD-271, & DD-273 to DD-278, & DD-351, DD-353, DD-354 15 photos
FRIPPS 6A-2	1:12,000	1979	Flight line photos l-151 to l-152 (2 photos), l-166 to l-171 (6 photos), & l-205 to l-218 (14 photos)
FRIPPS 6A-3	1:20,000	1977	Flight line photos b-11-1, b-12-1 to b-12-3 (3 photos), & b-13-1 to b-13-3 (3 photos)
FRIPPS 6B-1	1:6,000	1987	Flight line photos 87-141a to 87-161a (20 photos-continues with 87-162a on St.. Phillips is. 5a-1)
FRIPPS 6B-2	1:40,000	1989	Flight line photos 1361-22 to 1361-27 (6 photos)
FRIPPS 6B-3	1:24,000	1982	Flight line photos 23n-57 and 23n-59 (2 photos)
FT MOULTRIE 14-A	1:6000	1987	Flight line photos 87-6a to 87- 17a (12 photos), continued on James island 13a
FT. MOULTRIE 14-A 2	1:6000	1987	Flight line photos 87-263 to 87-277 (15 photos)

Appendix 6.

Location	Scale	Date	Comments
FT MOULTRIE 14-A 3	1:24,000	1982	Flight line photos 38n-71 to 38n-75 (3 photos), 39s-67 to 9s-71 (3 photos), 40s-93 to 40s-95 (3 photos)
FT MOULTRIE 14-A 4	1:24,000	1988	Flight line photos 8431 to 8435
FT MOULTRIE 14-A	1:40,000	1989	Flight line photos 1661-14 to 1661-21 (3 photos), 1661-141.
FT MOULTRIE 14-B	1:1 2,000	1979	Flight line photos e195 to e205 (10 photos), e 228 to e245 (18 photos), e342 to e349 (8 photos)
FT MOULTRIE 14-B	1:1 2,000	1979	Flight line photos e195 to e205 (10 photos), e 228 to e245 (18 photos), e342 to e349 (8 photos)
FT MOULTRIE 14-B 2	1:12,000	1979	Flight line photos r211 to r217 (7 photos)
FT MOULTRIE 14-B3			Flight line photos DD 375 to DD 377 (3 photos), DD 178 to DD 188 (11 photos).
FT MOULTRIE 14-B 4	1:1 2,000	1979	Flight line photos d84 to d88 (5 photos), d180 to d187 (8 photos), d227 to d243 (17 photos), d338 to d348 (11 photos).
FT. MOULTRIE 14-B 5	1:20,000	1977	Flight line photos b-31-4 to b-31-8 (5 photos), b-30-3 to b-30-7 (5 photos), b-29-3 to b-29-7 (5 photos), b-28-2 to b-28-7 (6 photos)
FT MOULTRIE 14-B 6	1:12,000	1979	Flight line photos n156 to n166 (11 photos).
HAND 30A-1	1:6,000	1987	Flight line photos 87-42 to 87-51 (10 photos)
HAND 30A-2	1:12,000	1979	Flight line photos k-245 to k-248 (4 photos), k-280 to k-289 (10 photos),
HAND 30A-3	1:12,000	1979	Flight line photos d-391 to d-399 (9 photos), d-438 to d-445 (8 photos)
HAND 30A-5	1:10,000	1979	Flight line photos GS-116 and GS-118
HAND 30A-6	1:40,000	1989	Flight line photos 1664-70, 1664-77, 1664-80, 1667-11
HAND 30A-7	1:24,000	1982	Flight line photos 62s-17 to 62s-21, 63n-29 to 63n-35, 64s-59 to 64s-63 (3 photos each)
HILTON-3A-1	1:10,000	1981	Flight line -HHI 56 to HHI 82 (27 photos)
HILTON -3A- 10	1: 12.00O	1979	Flight line b-314 to b-321 (8 photos)
HILTON -3A- 11	1: 12.00O	1979	Flight line DD-303 to DD-313 (11 photos)

Appendix 6.

Location	Scale	Date	Comments
HILTON -3A- 12	1: 12,000	1979	Flight line DD-343 to DD-344 (2 photos)
HILTON-3A- 13	1: 20,000	1977	Flight line b-7-1 to b-7-3 (3 photos)
HILTON-3A-14	1:12,000	1979	Flight line m-306 to m-315 (10 photos)
HILTON-3A-14	1:12,000	1979	Flight line m-289 to m-292
HILTON 3A-15			Flight line photos 163-2 to 163-4 (2 photos).
HILTON-3A-2	1:20,000	1981	flight line HHI-12 to HHI-20 (9 photos)
HILTON-3A-3	1:20,000	1981	flight line HHI-27 to HHI-28 (2 photos)
HILTON-3A-4	1:20,000	1977	flight line b-5-1 to b-8-1 (4 photos)
HILTON-3A-5	1:20,000	1977	flight line b-9-1 to b-9-5 (5 photos)
HILTON-3A-6	1:20,000	1977	flight line b-8.5-1 to b-8.5-7 (7 photos)
HILTON-3A-7	1:12,000	1979	flight line b-421 to b-431 (11 photos)
HILTON-3A-8	1:20,000	1977	flight line b-6-2 to b-8-2 (2 photos)
HILTON-3A-9	1:12,000	1979	Flight line b-405 to b-414 (10 photos)
HILTON-3B-1	1:6000	1987	flight line 87-190a to 87-213a (24 photos)
HILTON-3B-2	1:24,000	1982	flight line 17s-45 to 17s-49 (3 photos)
HILTON-3B-3	1:24,000	1982	flight line 18n-51 to 18n-53 (2 photos)
HILTON-3B-4	1:24,000	1982	flight line 19s-69 1 photo
HILTON-3B-5	1:40,000	1989	(high alt. Photos) 1361-122, 1363-2, 1363-4
JAMES IS.	1:6000	1987	Flight line photos 87-22a to 87-46a (24 photos- continues on 12a-1 Kiawah 11 a- 1 with 87-47a)
JAMES IS.	1:24,000	1982	Flight line photos 35s-53 to 35s-57 (3 photos), 36n-61 to 12a-2 36n-65 (3 photos), 37s-63 to 37s-65 (2 photos), 38n-67 to 38n-69 (2 photos)
JAMES IS. 12A-3	1:40,000	1989	Flight line photos 1663-36 to 1663-38 (2 photos), 1663-44 to 1663-46 (2 photos)
JAMES IS. 12B-1			Flight line photos 9 to 28 (19 photos), 66 to 105 (39 photos).

Appendix 6.

Location	Scale	Date	Comments
JAMES IS. 12C-1	1:12,000	1979	Flight line photos e-414 to e-425 (11 photos), n-130 to n-138 (8 photos).
JAMES IS. 12C-2	1:12,000	1979	Flight line photos DD-195 to DD-208 (18 photos).
KIAWAH 11A-1	1:6,000	1987	Flight line photos 87-47a to 87-71a (25 photos-continues on Rockville LOA-1 with 87-72a)
KIAWAH 11A-2	1:40,000	1989	Flight line photos 1358-8, 1358-10
KIAWAH 11A-3	1:24,000	1982	Flight line photos 32n-49, 34n-7, 33s-6, 35s-59
KIAWAH 11B-1	1:12,000	1989	Flight line photos e-319 to e-320 (2 photos), e-373 to e-380 (8 photos), e-407 to e-413 (7 photos)
KIAWAH 11B-2	1:12,000	1989	Flight line photos DD-209 to SS-219 (11 photos), DD-368 to DD-369 (2 photos)
LITTLE RIVER 32A-1	1:6,000	1987	Flight line photos 87-12 to 87-20 (9 photos)
LITTLE RIVER 32A-2	1:10,000	1979	Flight line photos GS-182 to GS-212 (16 photos)
LITTLERIVER 32A-3	1:24,000	1988	Flight line photos 8289, 8290,8295, 8296, 8991,
LITTLERIVER 32A-4	1:40,000	1989	Flight line photo 1664-17
LITTLE RIVER 32A-5	1:24,000	1982	Flight line photos 68s-100, 68s-101, 69n-102, 69n-103
LITTLERIVER 32B-1	1:12,000	1979	Flight line photos d-415 to d-????
LITTLE RIVER 32B-2			Flight line photos DD-27 to DD-40 (14 photos)
MAGNOLIA 24A-1	1:6,000	1987	Flight line photos 87-107 to 87-121 (15 photos-continues with 87-122 on Waverly Mills quad, 23a-1)
MAGNOLIA 24A-2	1:40,000	1989	Flight line photo 1657-38
MAGNOLIA 24A-3	1:24,000	1982	Flight line photos 56s-147 to 56s-149 (2 photos)
MAGNOLIA 24B-1			Flight line photos WAC-13 to WAC-18 (6 photos) WAC series continues on Waverly Mills quad
MAGNOLIA 24B-2	1:12,000	1979	Flight line photos g-430 to g-437 (8 photos)
MAGNOLIA 24B-3			Flight line photos DD-86 to DD-93 (8 photos)
MC'VILLE 19-A-1	1:6000	1987	Flight line photos 87-201 to 87-217 (17 photos).

Appendix 6.

Location	Scale	Date	Comments
MC'VILLE 19-A-2	1:24,000	1988	Flight line photos 8363 to 8367 (5 photos), 8370 to 8375 (6 photos), 8423 to 8428 (6 photos).
MC'VILLE 19-A-3	1:24,000	1982	Flight line photos 47n-143 to 47n-147 (3 photos), 48s-135 to 48s-139 (3 photos), 49n-53 to 49n-57 (3 photos).
MC'VILLE 19-A-4	1:40,000	1989	Flight line photos 1659-54 to 1659-56 (2 photos), 1659-60 to 1659-62 (2 photos).
MC'VILLE 19-B-1	1:40,000	1989	Flight line photos DD 145 to DD 154 (10 photos).
MC'VILLE 19-B-2	1:20,000	1977	Flight line photos b-36-3 to b-36-7 (4 photos), b-37-3 to b-37-8 (6 photos), b-38-4 to b-38-8 (5 photos), b-39-4 to b-39-8 (5 photos), b-40-8 to b-40-13 (6 photos).
MC'VILLE 19-B-3	1:12,000	1979	Flight line photos f243 to f347 (5 photos), f166 to f167 (2 photos), f147 to f159 (13 photos), f50 to f64 (15 photos), f5 to f14 (10 photos).
MC'VILLE 19-B-4	1:12,000	1979	Flight line photos s120 to s127 (8 photos), s101 to s119 (19 photos) .
MC'VILLE 19-B-5	1:12,000	1979	Flight line photos q192 to q199 (8 photos).
MC'VILLE 19-B-6	1:12,000	1977	Photos ht-SCR-1 and ht-SCR-2. Not beachfront
MYRTLE BEACH 2 7 A- 1	1:6,000	1987	Flight line photos 87-66 to 87-82 (17 photos)
MYRTLE BEACH 2 7 A-2	1:10,000	1979	Flight line photos GS-46 to GS-82 (19 photos)
MYRTLE BEACH 2 7 A-3	1:40,000	1989	Flight line photos 1664-111,1664-112, 1664-118, 1664-120
MYRTLE BEACH 27A-4	1:24,000	1982	Flight line photos 59n-45 to 59n-51, 60s-107 to 60s-11
MYRTLE BEACH 27 B- 1	1:24,000	1982	Flight line photos DD -55 to DD -76 (22 photos)
MYRTLE BEACH 27B-2	1:12,000	1979	Flight line photos d-380 to d-387 (8 photos), d-455 to d-464 (9 photos)
MYRTLE BEACH 27 C- 1	1:12,000	1979	Flight line photos 165 to 177 (13 photos --- flown on 4-1-82)
MYRTLE BEACH 27D-1	1:10,000	1979	Flight line photos MB-27 to MB-40 (14 photos-flown on 3-3-81)

Appendix 6.

Location	Scale	Date	Comments
MYRTLE BEACH 27 D-2	1:10,000	1979	Flight line photos 69 to 92 (13 photos-flown on 5-24-83)
NIXONVILLE 28-1			Flight line photos WAC-37 to-40 (4 photos????),-64 to-70 (7 photos)
NIXONVILLE 28-2			Flight line photos DD -50 to DD -54 (5 photos)
NORTH ISLAND 22A-1	1:6,000	1987	Flight line photos 87-129 to 87-147 (18 photos-continues on Santee point 21a-1 with 87-148)
NORTH ISLAND 22A-2	1:40,000	1989	Flight line photos 3168-36, 3175-23, 3175-25, & 3175-33
NORTH ISLAND 22A-3	1:24.000	1982	Flight line photos 53n-195 to 53n-199, 54s-41 to 54s-45, 55n-57 to 55n-61 (3 photos each)
NORTH ISLAND 22B-1			Flight line photos-2 to-9 (8 photos),-96 to -102 (7 photos),-120 to-124 (5 photos) flight lines continue on Waverly Mills quad 23b-3
NORTH ISLAND 22B-2	1:12,000	1979	Flight line photos f-106 to f-109 (4 photos), f-115 to f-124 (10 photos), f-188 to f-200 (13 photos), f-209 to f-221 (13 photos), f-276 to f-286 (11 photos), f-287
NORTH ISLAND 22 B-3	1:10,000	1979	Flight line photos SD-10 to SD-15 (6 photos)
NORTH ISLAND 22B-4	1:12,000	1979	Flight line photos s-145 to s-160 (16 photos)
NORTH ISLAND 22 B-5			Flight line photos DD -100 to DD -110 (11 photos)
OCEAN FOREST 2 9 A- 1	1:6,000	1987	Flight line photos 87-52 to 87-67 (16 photos)
OCEAN FOREST 29A-2	1:10,000	1979	Flight line photos GS-84 to GS-114 (16 photos)
OCEAN FOREST 2 9A- 3	1:40,000	1989	Flight line photos 1664-72, 1664-75
OCEAN FOREST 2 9 A-4	1:24,000	1982	Flight line photos 62s-22 to 66s-25 (4 photos), 63n-26 to 63n -27 (2 photos)
PARRIS-4A-1	1:24,000	1982	Flight line 17s-39 to 17s-43 3 photos
PARRIS-4A-2	1:24,000	1982	flight line 18n-55 to 18-n59 3 photos
PARRIS-4A-3	1:24,000	1982	Flight line 19s-63 to 19s-67 3 photos
PARRIS-4A-4	1:40,000	Napp - c	High alt. Photos) 1361 -118, 1361 -120, 1363-6,1363-8

Appendix 6.

Location	Scale	Date	Comments
PARRIS-4A-5	1:6,000	1987	flight line 87-188 to 87-189 2 photos-continued on ST. Phil quad 5b
PARRIS-4B-1	1:12,000	1979	Flight line b-154 to b-158 5 photos
PARRIS-4B-10	1:20,000	1977	Flight line b-9-5, and b-10-5 to b-10-10 7 photos
PARRIS-4B-11	1:20,000	1977	Flight line b-11 -7 to b-11 -11
PARRIS-4B-12	1:20,000	1977	flight line b-12-9 to b-12-14
PARRIS-4B-13	1:20,000	1977	Flight line b-13-9 to b-13-13
PARRIS-4B-14	1:40,000	1989	Flight line 1363-6 to 1363-9 4 photos
PARRIS-4 B- 15	1:40,000	1989	Flight line DD -300 to DD -302 3 photos
PARRIS-4B-16	1:10,000	1979	flight line SD-159 1 photo
PARRIS-4B-2	1: 12,000	1979	Flight line m-223 to m-230 8 photos
PARRIS-4B-3	1:12,000	1979	Flight line m-258 to m-261 4 photos
PARRIS-4B-4	1:12,000	1979	Flight line b-280 to b-291 12 photos
PARRIS-4B-5	1:12,000	1979	flight line m-276 to m-288 13 photos
PARRIS-4B-6	1:12,000	1979	flight line b-322 to b-333 12 photos
PARRIS-4B-7	1:12,000	1979	Flight line m-316 to m-324 9 photos
PARRIS-4B-8	1:12,000	1979	Flight line m-332 to m-338 7 photos
PARRIS-4B-9	1:12,000	1979	Flight line l-26 to l-34 4 photos
ROCKVILLE 10A-1	1:6,000	1987	Flight line photos 87-72a to 87-95a (24 photos-continues with 87-95a on Edisto is. 9a-1)
ROCKVILLE 10A-2	1:40,000	1989	Flight line photos 1358-60, 1358-62, 1358-64, 1358-67
ROCKVILLE 10A-3	1:24,000	1982	Flight line photos 29n-39 to 29n-43 (3 photos), 30s-121 to 30s-123 (2 photos), 31 s-45 to 31 s-47 (2 photos)
ROCKVILLE 10B-1	1:12,000	1979	Flight line photos d-306 to d-310 (5 photos)
ROCKVILLE 10B-2	1:12,000	1979	Flight line photos n-13 to n-17 (5 photos), n-29 to n-36 (8 photos)

Appendix 6.

Location	Scale	Date	Comments
ROCKVILLE 10B-3	1:12,000	1979	Flight line photos e-276 to e-285 (10 photos), e-306 to e-317 (12 photos), e-381 to e-393 (13 photos), e-404 to e-406
ROCKVILLE 10B-4	1:12,000	1979	Flight line photos DD -220 to DD -241 (22 photos), DD -362 to DD -367 (6 photos)
ROCKVILLE 10B-5	1:20,000	1977	Flight line photos b-20-1 to b-20-3 (3 photos), b-21-1 to b-21 -5 (5 photos), b-22-5 to b-22-10
SANTEE POINT 21 A-1	1:6,000	1987	Flight line photos 87-147 to 87-170 (24 photos)
SANTEE POINT 21 A-2	1:40,000	1989	Flight line photos 3168-38, 3175-27, 3175-30
SANTEE POINT 21A-3	1:24,000	1982	Flight line photos 53s-201 to 53s-207 (4 photos), 54s-47 to 54s-51 (3 photos), 55n-53 to 55n-55 (2 photos)
SANTEE POINT 21 B-1	1:12,000	1979	Flight line photos ht-CI-1 (3 to 11-9 photos), & ht-CI-2 (2 to 9-8 photos)
SANTEE POINT 21B-2	1:12,000	1979	Flight line photos f-222 to f-223 (2 photos), f-268 to f-275 (8 photos), f-289 to f-300 (12 photos), f-309 to f-328 (20 photos)
SANTEE POINT 21 B-3	1:12,000	1979	Flight line photos s-129 to s-135 (7 photos), s-142 to s-144 (3 photos)
SANTEE POINT 21 B-4	1:12,000	1979	Flight line photos h-151, h-153 to h-156 (4 photos)
SANTEE POINT 21 B-5	1:12,000	1979	Flight line photos DD -111 to DD -124 (14 photos)
SANTEE POINT 21 B-6	1:20,000	1977	Flight line photos b-41-1 to b-41-2 (2 photos), b-42-1 to b-42-3 (3 photos), b-43-1 to b-43-5 (5 photos), b-44-1 to b-44-5 (5 photos), b-45-2 to b-45-4 (4 photos)
SANTEE POINT 21 B-7	1:20,000	1977	Flight line photo-1 (continues with-2 on north island 22b-1)
SEEWEE BAY 16-A-1	1:6000	1987	Flight line photos 87-233 to 87-237 (5 photos).
SEEWEE BAY 16-A-2	1:24,000	1982	Flight line photos 43n-105 to 43n-109 (3 photos), 42s-61 to 42s-65 (3 photos) continues on map 15-b, 42s-77 to 42s-81 photos).
SEEWEE BAY 16-A-3	1:24,000	1988	Flight line photos 8570 to 8575 (6 photos).

Appendix 6.

Location	Scale	Date	Comments
SEEWEE BAY 16-A-4	1:40,000	1989	Flight line photos 1661-77 to 1661-79 (2 photos), 1661-87 <pre-Hugo>, 1661-93, and 3167-19 <post-Hugo>
SEEWEE BAY 16-B- 1	1:12,000	1979	Flight line photos DD 164 to 166 (3 photos), DD 387, DD 584.
SEEWEE BAY 16-B-2	1:12,000	1979	Flight line photos n176 to n178 (3 photos), n188 to n197 (10 photos).
SEEWEE BAY 16-B-3	1:24,000	1982	Flight line photos b-32-3 to b-32-8 (6 photos), b-33-4 to b-33-9 (6 photos), b-34-5 to b-34-10 (6 photos), b-35-4 to b-35-9 (6 photos), b-36-14 to b-36-18 (5 photos).
SEEWEE BAY 16-B-4	1:12,000	1979	Flight line photos e212 to e216 (5 photos).
SEEWEE BAY 16-B-5	1:12,000	1979	Flight line photos d354 to d357 (4 photos), d368 to d371 (4 photos), d215 to d 226 (12 photos), d190 to d200 (11 photos),d65 to d77 (13 photos).
SEWEE BAY 16-B-6	1:12,000	1979	Flight line photos q167 to q177 (11 photos), q136 to q137 (2 photos.
ST. PHILLIPS 5A-1	1:6,000	1987	Flight line 87-162a to 87-187a 26 photos
ST. PHILLIPS 5A-2	1:24,000	1982	Flight line photos 20n-73, 20n-75, 21s-47, 21s-49, 22s-51, 22s-53
ST. PHILLIPS 5A-3	1:40,000	1989	Flight line photos 1361-72, 1361-74, 1361-76, 1371-77, 1361 -79
ST. PHILLIPS 5B-1	1:12,000	1979	Flight line photos DD -279 to DD -299 (20 photos).
ST. PHILLIPS 5B-2	1:12,000	1979	Flight line photos m-377 to m-381 (4 photos).
ST. HELENA 7A-1	1:6,000	1987	Flight line photos 87-123a to 87-140a (18 photos-continues with 87-141a on FRIPPS inlet 6b-1)
ST. HELENA 7A-2	1:24,000	1982	Flight line photos 23n-61 to 23n-65 (3 photos), 24s-9, and 25n-17.
ST. HELENA 7A-3	1:40,000	1989	Flight line photos 1361-18, 1361-20, 1361-28, 1361-30.
ST. HELENA 7B-1	1:12,000	1979	Flight line photos 1-70 to 1-73 (4 photos), 1-108 to 1-118 (11 photos), 1-139 to 1-150 (12 photos), 1-172 to 1-184 (13 photos), 1-193 to 1- 204 (12 photos), 1- 219 to 1-222 (4 photos)

Appendix 6.

Location	Scale	Date	Comments
ST. HELENA 7B-2	1:12,000	1979	Flight line photos j-48 to j-49 (2 photos), j-163 to j-173 (11 photos)
ST. HELENA 7B-3	1:12,000	1979	Flight line photos DD -257 to DD -266 (10 photos), DD -355 to DD -357 (3 photos)
ST. HELENA 7B-4	1:20,000	1977	Flight line photos b-14-1 to b-14-5 (5 photos), b-15-1 to b-15-4 (4 photos), b-16-1 to b-16-4 (4 photos), b-17-3 to b-17-7 (5 photos), b-18-4 to b-18-8 (5 photos)
ST. HELENA 7B-5	1:12,000	1979	Flight line photos m-358 to m-362 (5 photos)
SURFSIDE 26A-1	1:6,000	1987	Flight line photos 87-83 to 87-93 (11 photos)
SURFSIDE 26A-2	1:10,000	1979	Flight line photos GS-22 to GS-44 (12 photos GS-28 not shown on quad. Does it exist?)
SURFSIDE 26A-3	1:24,000	1982	Flight line photo 60s-113
SURFSIDE 26A-4	1:24,000	1982	Flight line photo 59n-43
TYBEE ISLAND NORTH 1A-1	1:12,000	1979	Flight line-m-237 to m-241
TYBEE ISLAND NORTH 1A-2	1:10,000	1977	Flight line-SD-176 to SD-182, SD-187 to SD-191
TYBEE ISLAND NORTH 1A-3	1:20,000	1977	Flight line photos- b-2-1, b-3-1, b-4-1, b-4-2
TYBEE ISLAND NORTH 1A-4			Flight line photos-DD -339 to DD -341, DD -320
TYBEE ISLAND NORTH 1A-5	1:40,000	1989	Tybee is. North quad-xerox flight line photos-1363-62
TYBEE ISLAND NORTH 1A-6	1:6000	1981	Flight line photos(?)-HHI-36 to HHI-48 HHI-39 to HHI-82 scale 1:6000 HHI-38 to HHI-2-scale 1:20,000
TYBEE ISLAND NORTH 1A-7	1:12,000	1979	Flight line photo-m-304
TYBEE ISLAND NORTH 1A-8	1:12,000	1979	Flight line photos-b-193 to b-194
TYBEE ISLAND NORTH 1 A-9	1: 12,000	1979	Flight line photos-b-304, b-307, b-308

Appendix 6.

Location	Scale	Date	Comments
TYBEE ISLAND NORTH 1B-1	1:6000	1987	Flight line-87-220a to 87-238a (18 photos)
TYBEE ISLAND NORTH 1B-2	1:40,000	1989	Flight line-1363-57 to 1363-61 (3 photos)
Tybee Island North 1B-3	1:24,000	1982	Flight line photos-16n-77, 15s-75, 14n-181 -183
WAMPEE 31A-1	1:12,000	1979	Flight line photos d-400 to d-409 (9 photos), d-425 to d-437 (13 photos d-4?? Between DD -44 and DD -43)
WAMPEE 31A-2	1:12,000	1979	Flight line photos DD -41 to DD -49 (9 photos)
WAMPEE 31B-1	1:6,000	1987	Flight line photos 87-20 to 87-42 (23 photos)
WAMPEE 31B-2	1:10,000	1979	Flight line photos GS-144 to GS-182 (20 photos)
WAMPEE 31B-3	1:40,000	1989	Flight line photos 1664-34, 1664-36, 1664-38,1667-8
WAMPEE 31B-4	1:24,000	1982	Flight line photos 65n-65 to 65n-69 (3 photos), 66s-83 to 66s-85, 67n-87 to 67n-89 (2 photos each)
MILLS 23A- 1	1:6,000	1987	Flight line photos 87-121 to 87-128 (8 photos)
MILLS 23A-2	1:40,000	1989	Flight line photos 3168-22, 3168-25, 3175-19, 3175-21
MILLS	1:24,000	1982	Flight line photos 53n-189 to 53n-193, 54s-35 to 54s-39, 23a-3 55n-61 to 55n-63 (3 photos each)
MILLS 23B-1	1:12,000	1979	Flight line photos 1-226 to 1-237 (12 photos), 1-242 to 1-255 (14 photos), 1-258 to 1-270 (13 photos)
MILLS	1:12,000	1979	Flight line photos f-201 to f-208 (8 photos), f-110 to f-114 (523b-2 photos)
MILLS 23B-3	1:12,000	1979	Flight line photos-10 to-12 (3 photos),-90 to-95 (6 photos),-113 to-119 (7 photos),-135 to-137 (3 photos) flight lines continue on north island quad
MILLS 23B-4	1:12,000	1979	Flight line photos DD -94 to DD -99 (6 photos)