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The Virginian Sea bibliography

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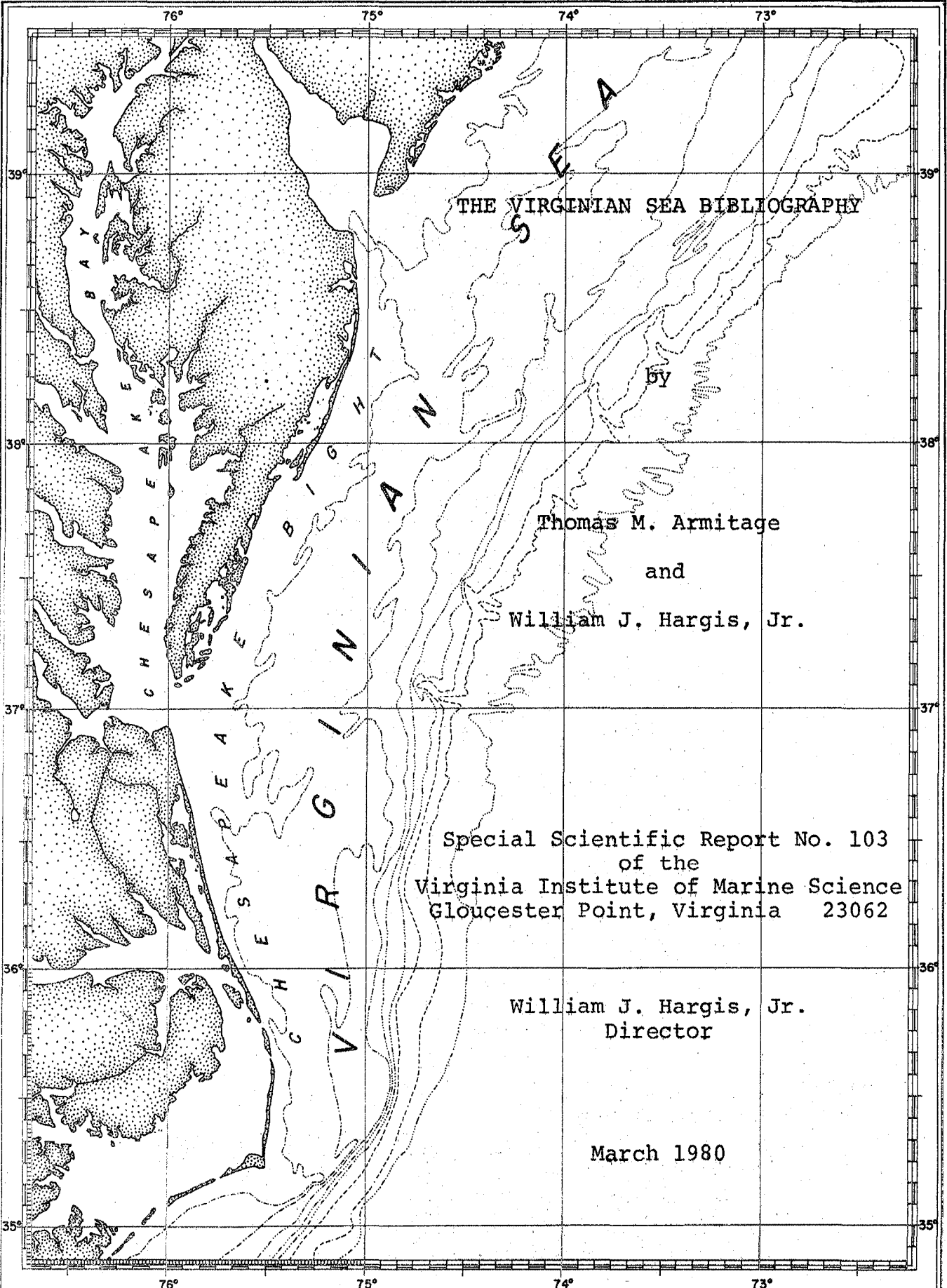


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THE VIRGINIAN SEA BIBLIOGRAPHY

by
Thomas M. Armitage
and
William J. Hargis, Jr.

Special Scientific Report No. 103
of the
Virginia Institute of Marine Science
Gloucester Point, Virginia 23062

William J. Hargis, Jr.
Director

March 1980

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P R E F A C E

Interest in the Middle Atlantic Bight of the Western North Atlantic, named the Virginian Sea by Captain John Smith around 1608, has existed since the early days of exploration by Europeans.

Vikings are known from epic and archaeological evidence to have traversed northern latitudes of the North Atlantic and visited the North American continent. It remained, however, for later European venturers, fishermen and colonizers to begin the written record of this part of the World Ocean. Though knowledge has been accumulating ever since, major advances in accumulation of useful information of the region were made in the seventeenth century and again in the twentieth. Since World War II, science has added more information than had been gathered before.

Concern for the different resources and types of environments of the Mid-Atlantic Bight has grown markedly since the War due to increased pressures on the region for fish and minerals and disposal of industrial and domestic wastes - among others. As a member of the Mid-Atlantic Fisheries Management Council and as environmental and resource advisor to that body and the Atlantic States Marine Fisheries Commission, I became aware that no one had canvassed the various repositories of scientific data and the published materials of the region and made the results generally available.

It seemed important that someone do so since new scientific programs or expeditions to gather data were contemplated or underway, and because management questions (such as those related to offshore oil and gas development in the Baltimore Canyon, ocean disposal of sewage sludge and dredge spoil, contamination by

run-off and aeolean transport and fishery development and management) have to be answered. After several efforts to secure outside funds for this venture failed we determined to undertake it ourselves as part of the Institute's continuing information management program.

This effort, of necessity a low-budget and low-key activity, has taken eleven months of dedicated work by my research assistant, Mr. Armitage.

We both are pleased that the first phase of the effort is over and we are able to offer a report to science, management and posterity.

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INTRODUCTION

The bibliography of the Virginian Sea is a compendium of literature and environmental data concerning the Middle Atlantic Bight region of the Western North Atlantic - or the United States east coast. The geographical coverage of this bibliography includes that region extending from 41° N latitude to 36° N latitude and out 200 miles from the coastal headlands. This volume represents the first step of an effort undertaken by the Virginia Institute of Marine Science to assess the present status of knowledge concerning the physical and chemical environment, biology, and fisheries of the Virginian Sea. We do not put forth this work as a complete bibliography of the Virginian Sea. No bibliographic effort of this scope can attain one-hundred percent coverage. Certainly, however, this bibliography is quite representative of the scientific research that has been done in the Middle Atlantic Bight. Later editions will broaden the bibliographic coverage of this work, correcting omissions as they are noted and making necessary additions.

We hope that this bibliography will be useful to government, science, and the private sector, and welcome suggestions and criticisms which would lead to its improvement.

GUIDE TO USERS

The bibliography of the Virginian Sea is a subject index of scientific literature and accessioned data concerning the Virginian Sea. A set of subject terms has been chosen to describe all of the citations in the bibliography. The descriptor set has been successfully used at the Virginia Institute of Marine Science to describe citations in its comprehensive Chesapeake Bay Bibliography. Additional descriptors have been added to this bibliography where necessary. Each citation has been assigned an appropriate number of descriptors to adequately represent its contents.

The bibliography is divided into three sections, a subject index, a geographic index, and a section listing sources of unpublished data.

The first section lists every descriptor used in the bibliography in alphabetical order. Catalogued under each descriptor are the citations to which that descriptor has been assigned.

The second section lists four geographical regions, an inshore region within the coastal headlands, a region of coastal waters within three miles of the coast, a region of shelf waters within 3 and 200 miles of the coast, and an Atlantic Coast region encompassing the entire Virginian Sea. Under each region pertinent citations are catalogued.

The third section is a listing of unpublished data sets. Included in this section are sources of these data sets.

Each entry includes, the title of the data set (the subject), the geographic area covered by the data set, an abstract of the data set, and the chief investigator's name, telephone number, institution, and address. The data sets are listed alphabetically according to their titles.

All of the published references in this bibliography are stored on computer tape in the Computer Center of the Virginia Institute of Marine Science. Therefore, a computer search of the bibliography is possible using any descriptor listed, or any of the four geographic codes.

Citations of research in the New York Bight have not been given detailed coverage in this volume. A comprehensive bibliography of the New York Bight has been published by the Marine Ecosystems Analysis Program (MESA) of the U.S. Department of Commerce. Users are referred to that publication (U.S. Government Printing Office Stock Number 0317-00223) for more information on the New York Bight. We will be including additional references to this northern region of the Virginian Sea in future editions, especially if the MESA bibliography is not continued or updated.

ACKNOWLEDGMENTS

A number of data bases were searched in order to compile this bibliography. Through the ENDEX-OASIS systems of the National Oceanic and Atmospheric Administration, the following data bases were searched: Biological Information Retrieval System (BIRS), Oceanic Abstracts (OA), Bibliography and Index of Geology (GEOREF), Engineering Index Monthly (COMPENDEX), Chemical Abstracts (CA), Air Pollution Technical Information Center and the Franklin Institute (APTIC), Pollution Abstracts (PA), Conference Paper Index, Environmental Information Center, INC. (ENVIROLINE), the Environmental Periodicals Bibliography of the International Academy at Santa Barbara, California (EPB), Water Resources Abstracts (WRA), Energy Data Base (EDB), and the Environmental Data Base Directory (EDBD). References were also drawn from a special scientific report of the Virginia Institute of Marine Science, (The Chesapeake Bay Bibliography), a U.S. - Bureau of Land Management publication, (A Summary and Analysis of Environmental Information on the Continental Shelf from the Bay of Fundy to Cape Hatteras), and the files of Marine Environment Research and Resource Management Systems (MERRMS) of the Virginia Institute of Marine Science.

We wish to extend special thanks to the following individuals for their assistance in the compilation of this volume: Susan Barrick and Marilyn Loesch (VIMS Library), Ginny Shaw (VIMS Computer Center), Robert Walter (Technical Information Specialist, NOAA), and Robert Gelfield (Physical Scientist, NOAA).

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VIMS, GLOUCESTER POINT, VA
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 THERMAL POWERPLANTS

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FISH, SURVEYS, WATER RESOURCES, WILDLIFE

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WILDLIFE HABITATS

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 U.S. ARMY CORPS OF ENG COASTAL ENG RES CENTER TECH MEMO 47
 CHESAPEAKE BAY, COMPUTER PROGRAMS, CONTINENTAL SHELF, REFRACTION (WATER
 WAVES), VIRGINIA, WAVES (WATER)

1963 DESLYVA DP, DAVIS WF
 WHITE MARLIN, TETRAPTUFUS ALBICUS, IN THE MIDDLE ATLANTIC BIGHT, WITH
 OBSERVATIONS ON THE HYDROGRAPHY OF THE FISHING GROUNDS
 CCPEIA (1), 81-95
 AGE, FISH, GONADS, OXYGEN, FEEDING

1977 SALNDERS FM
 WIND STRESS ON THE OCEAN OVER THE EASTERN CONTINENTAL SHELF OF NORTH
 AMERICA
 JOURNAL OF PHYSICAL OCEANOGRAPHY 7(4), 555-566
 ATLANTIC OCEAN, SEASONAL VARIATIONS, CONTINENTAL SHELF, WINDS, MIDDLE
 ATLANTIC BIGHT

1973 TURNER RC
 WCCD-BORING BIVALVES, OPPORTUNISTIC SPECIES IN THE DEEP SEA
 SCIENCE 180(4093), 1377-1379
 BENTHOS, BORES, CLAMS, DISTRIBUTION, LARVAE, MOLLUSKS, PHOTOGRAPHY

UNPUBLISHED DATA SETS

SOURCES OF UNPUBLISHED ENVIRONMENTAL DATA

FILE NAME A BIOLOGICAL, CHEMICAL AND PHYSICAL SURVEY OF
 DELAWARE'S TIDAL STREAMS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE
 ABSTRACT DATA COLLECTED DURING A SURVEY CARRIED OUT FROM
 1971 TO 1973 ON THE BIOLOGICAL, CHEMICAL AND PHYSICAL CHARACTERISTICS OF
 DELAWARE'S TIDAL STREAMS ARE PRESENTED IN REPORT FORM. EMPHASIZED IN THE
 STUDY ARE POPULATION CHARACTERISTICS OF PELAGIC FISH, FISH LARVAE, FISH
 POST-LARVAE AND JUVENILES AND BENTHIC COMMUNITIES; WATER QUALITY PARAMETERS
 AND PHYSICAL DIMENSIONS OF THE STREAMS AT STATION SITES.
 NAME STAFF - DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DEVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME A CHECKLIST OF THE BIOTA OF LOWER CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
 BAY, VIRGINIA
 ABSTRACT A REPORT OF BIOTA DISTRIBUTION IN THE LOWER
 CHESAPEAKE BAY. TAXONOMIC LISTS OF BENTHIC ANIMALS, BENTHIC PLANTS,
 PHYTOPLANKTON, PELAGIC FISH, MICROBIOTA, MAMMALS, BIRDS, REPTILES, AND
 AMPHIBIANS.
 NAME LIBRARIAN
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME A COMPARATIVE STUDY OF BOX AND CANOPY TRAP DESIGNS
 USED TO COLLECT ADULT HORSE FLIES (DIPTERA: TABANIDAE)
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE, WOODLAND
 BEACH MARSH, GREAT CEDAR SWAMP MARSH
 ABSTRACT THIS FILE CONTAINS DATA ON DAILY FLY TRAPPING
 (TABANIDS) DURING THE SUMMERS OF 1972 AND 1973. MONITORED AT 2 STATIONS ON A
 DAILY BASIS WERE COUNTS OF FLIES AND SPECIES. THIS DATA, TAKEN PURSUANT TO A
 TRAP DESIGN STUDY, WAS INCLUDED IN AN M.S. THESIS BY PATRICIA ANN NELSEN,
 UNIVERSITY OF DELAWARE, 1976.
 NAME PAUL CATTS
 PHONE NUMBER 302 738 2526
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET DEPARTMENT OF ENTOMOLOGY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME A COMPARATIVE STUDY OF BOX AND CANOPY TRAP DESIGNS
 USED TO COLLECT ADULT HORSE FLIES (DIPTERA: TABANIDAE)
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MID-ATLANTIC STATES NEW
 JERSEY, DELAWARE, NORTH CAROLINA, SOUTH CAROLINA
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 A COOPERATIVE STUDY CONDUCTED IN NEW JERSEY, DELAWARE, NORTH CAROLINA AND
 SOUTH CAROLINA DURING THE SUMMERS OF 1972 AND 1973 (1) TO DETERMINE WHICH OF
 NINE TRAP DESIGNS WOULD COLLECT THE LARGEST NUMBER OF TABANID FLIES AND YET
 WOULD BE SIMPLE TO CONSTRUCT AND EASY TO MAINTAIN AND (2) TO COMPARE TRAP
 PERFORMANCE IN THE FOUR STATES.
 NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME A COMPREHENSIVE STUDY OF POLLUTION AND ITS EFFECT
 ON THE WATERS WITHIN THE INDIAN RIVER BASIN
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, INDIAN
 RIVER
 ABSTRACT THIS STUDY CONTAINS WATER QUALITY DATA ON THE
 INDIAN RIVER DRAINAGE BASIN IN DELAWARE BETWEEN JUNE 1953 AND APRIL 1956. THE
 DATA TAKEN AT 55 RIVER AND BAY STATIONS ALONG THE INDIAN RIVER ESTUARY SYSTEM
 INCLUDES PH, ALKALINITY, ACIDITY, ECD, COD, SUSPENDED SOLIDS, TOTAL SOLIDS,
 ASH WEIGHT, TURBIDITY, COLOR, SALINITY, HARDNESS, CBOR, COLIFORM, AND WATER
 FLOW.
 NAME REFERENCE LIBRARIAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET MORRIS LIBRARY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME A FLORISTIC AND ECOLOGICAL SURVEY OF THE BENTHIC
MACRO-ALGAE OF REHOBOTH BAY, DELAWARE
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE, REHOBOTH BAY,
COASTAL
ABSTRACT THE BENTHIC MACROSCOPIC ALGAE OF REHOBOTH BAY,
DELAWARE, WERE SAMPLED AT APPROXIMATELY MONTHLY INTERVALS OVER A 14-MONTH
PERIOD IN 1969-1970 WITH A MODIFIED CARIBBEAN-TYPE DREDGE. THE OBJECTIVES OF
THE SURVEY WERE TO DESCRIBE, QUALITATIVELY AND QUANTITATIVELY, THE BAY'S
POORLY-KNOWN MACRO-ALGAE COMMUNITY AND TO CORRELATE PATTERNS OF DISTRIBUTION
AND SEASONAL CHANGE WITH ENVIRONMENTAL PARAMETERS.

NAME LIBRARIAN
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
CITY LEWES
STATE DELAWARE
ZIP CODE 19558

FILE NAME A FLORISTIC AND ECOLOGICAL SURVEY OF THE BENTHIC
MACRO-ALGAE OF REHOBOTH BAY, DELAWARE
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE,
REHOBOTH BAY
ABSTRACT THIS FILE CONTAINS PHYSICAL, BIOLOGICAL, AND
NUTRIENT DATA PERTINENT TO THE MACRO-ALGAE ECOLOGY OF REHOBOTH BAY, DELAWARE.
THE SURVEY TAKEN FROM JUNE 1969 THROUGH JULY 1970, INCLUDES TEMPERATURE,
SALINITY, SECCHI DEPTH, DISSOLVED NITRATE, DISSOLVED ORTHOPHOSPHATE DATA ALONG
WITH ALGAE COUNTS AND SPECIES DETERMINATIONS AT EACH OF 12 STATIONS ON THE
BAY. THE DATA IS INCLUDED IN AN UNPUBLISHED M.S. THESIS BY PATRICIA K. ORRIS,
UNIVERSITY OF DELAWARE, 1972.

NAME REFERENCE LIBRARIAN
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
STREET MORRIS LIBRARY
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME A MULTIDISCIPLINARY STUDY OF THE SCYPHOZOAN
JELLYFISHES OF LOWER CHESAPEAKE BAY 1 JULY 1969- 31 DEC 1969 ECOLOGICAL
STUDIES
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY
ABSTRACT 208 STATIONS IN THE LOWER CHESAPEAKE BAY WERE
SAMPLED FOR EITHER JELLYFISH MEDUSAE POLYP OR CYSTS.

NAME DEXTER HAVEN
PHONE NUMBER 604-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME A MULTIDISCIPLINARY STUDY OF THE SCYPHOZOAN
JELLYFISHES OF LOWER CHESAPEAKE BAY, 1 JULY 1969 - 31 MARCH 1970. ECOLOGICAL
STUDIES. ANNUAL REPORT
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., LOWER CHESAPEAKE BAY, EASTERN
SHORE
ABSTRACT 89 STATIONS IN THE LOWER CHESAPEAKE BAY AND ITS
TRIBUTARIES WERE SAMPLED FOR JELLYFISH POLYPS AND PLOCCYSTS, AND 80 STATIONS
WERE COUNTED FOR MEDUSAE AT VARIOUS INTERVALS DURING THE 1969-1970, WINTER
MONTHS.

NAME DEXTER HAVEN
PHONE NUMBER 604 642 2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLOUCESTER POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME A MULTIDISCIPLINARY STUDY OF THE SCYPHOZOAN
JELLYFISHES OF LOWER CHESAPEAKE BAY. 1 APRIL 1968 - 31 MARCH 1971. COMPLETION
REPORT ECOLOGICAL STUDIES.
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., LOWER CHESAPEAKE BAY AND
TRIBUTARIES
ABSTRACT 43 STATIONS IN THE LOWER CHESAPEAKE BAY AND ITS
TRIBUTARIES WERE SAMPLED FOR JELLYFISH POLYPS AND CYSTS DURING APRIL-JUNE,
1970. 38 STATIONS WERE OBSERVED FOR MEDUSAE DURING THE SAME INTERVAL, WHILE
ONE STATION WAS OBSERVED FROM APRIL 1970 TO APRIL 1971.

NAME DEXTER HAVEN
PHONE NUMBER 804 642 2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLOUCESTER POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME A NEW CHARACTER FOR FIELD SEPARATION OF THE
ATLANTIC SILVERSIDE, MENIDIA MENIDIA, FROM THE TIDEWATER SILVERSIDE, MENIDIA
BERYLLINA
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, EAST COAST,
MASSACHUSETTS TO VIRGINIA, CHESAPEAKE BAY
ABSTRACT SPECIES STUDY DETERMINATION OF THE ATLANTIC
SILVERSIDE (MENIDIA MENIDIA) AND THE TIDEWATER SILVERSIDE (MENIDIA BERYLLINA)
WAS MADE FROM MASSACHUSETTS TO VIRGINIA FROM 1965 TO THE PRESENT. A KEY WAS
USED TO DETERMINE THE FIN RAY AND ANAL FIN RAY COUNTS TO DISTINGUISH THE 2
SPECIES.

NAME C E RICHARDS
PHONE NUMBER 703-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLOUCESTER POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME A PARTIAL LIFE HISTORY OF TRINECTES MACULATUS
(BLOCK AND SCHNEIDER) THE HCGCHCKER
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, COASTAL
ABSTRACT THE POPULATION OF TRINECTES MACULATUS IN DELAWARE
BAY HAVE A MEAN VERTEBRAE COUNT OF 26.4, STANDARD ERROR + 0.05 (300), WITH A
RANGE FROM 20 TO 29; DORSAL FIN RAY COUNT OF 53.7, STANDARD ERROR + 0.16
(250), WITH A RANGE FROM 49 TO 60; ANAL FIN RAY COUNT OF 39.5, STANDARD ERROR
+ 0.12 (250), WITH A RANGE FROM 36 TO 44; AND CAUDAL FIN RAY COUNT OF 15.4,
STANDARD ERROR + 0.07 (250), WITH A RANGE FROM 10 TO 18. THE LINEAR GROWTH
RATE EQUATIONS FOR THIS POPULATION ALONG WITH THE LINEAR TOTAL LENGTH - WEIGHT
EQUATION ARE GIVEN. THE THEORETICAL MAXIMUM TOTAL LENGTH FOR THE MALE AND
FEMALE T. MACULATUS ARE 195.1 AND 254.0 MM RESPECTIVELY. THE THEORETICAL
MAXIMUM STANDARD LENGTH FOR THE MALE AND FEMALE ARE 149.2 AND 235.1 MM
RESPECTIVELY. T. MACULATUS CAN SPAWN FROM 3 TO 12 YEARS OF AGE. THE SPAWNING
PERIOD IS DURING LATE JULY AND EARLY AUGUST. THE STOMACHS OF THE T. MACULATUS
POPULATION YIELDED BOTTOM SEDIMENT, ANELID WORMS, CRUSTACEANS AND MOLLUSKS IN
THEIR RELATIVE ORDER OF OCCURENCE.

NAME LIBRARIAN
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
CITY LEWES
STATE DELAWARE
ZIP CODE 19958

FILE NAME A PARTIAL LIFE HISTORY OF TRINECTES MACULATUS
(BLOCK AND SCHNEIDER) THE HCGCHCKER
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY
ABSTRACT THE POPULATION OF TRINECTES MACULATUS IN DELAWARE
BAY HAVE A MEAN VERTEBRAE COUNT OF 26.4, STANDARD ERROR PLUS OR MINUS 0.05
(300), WITH A RANGE FROM 20 TO 29; DORSAL FIN RAY COUNT OF 53.7, STANDARD
ERROR PLUS OR MINUS 0.16 (250), WITH A RANGE FROM 49 TO 60; ANAL FIN RAY COUNT
OF 39.5, STANDARD ERROR PLUS OR MINUS 0.12 (250), WITH A RANGE FROM 36 TO 44;
AND CAUDAL FIN RAY COUNT OF 15.4, STANDARD ERROR PLUS OR MINUS 0.07 (250),
WITH A RANGE FROM 10 TO 18. THE LINEAR GROWTH RATE EQUATIONS FOR THIS
POPULATION ALONG WITH THE LINEAR TOTAL LENGTH-WEIGHT EQUATION ARE GIVEN. THE
THEORETICAL MAXIMUM TOTAL LENGTH FOR THE MALE AND FEMALE T. MACULATUS ARE
195.1 AND 254.0 MM RESPECTIVELY. THE THEORETICAL MAXIMUM STANDARD LENGTH FOR
THE MALE AND FEMALE ARE 149.2 AND 235.1 MM RESPECTIVELY. T. MACULATUS CAN
SPAWN FROM 3 TO 12 YEARS OF AGE. THE SPAWNING PERIOD IS DURING LATE JULY AND
EARLY AUGUST. THE STOMACHS OF THE T. MACULATUS POPULATION YIELDED BOTTOM
SEDIMENT, ANELID WORMS, CRUSTACEANS AND MOLLUSKS IN THEIR RELATIVE ORDER OF
OCCURENCE.

NAME JOHN C. BRYSON
PHONE NUMBER 302 678 4403
INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
ENVIRONMENTAL CONTROL
CITY DOVER
STATE DELAWARE
ZIP CODE 19901

FILE NAME A PETROLOGICAL AND GENERAL STRUCTURAL STUDY OF THE
BALTIMORE GNEISS AT GLEN MILLS QUARRY, CHESTER COUNTY, PENNSYLVANIA
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, CHESTER COUNTY,
GLEN MILLS QUARRY

ABSTRACT DATA FROM A DETAILED STUDY OF THE PETROGRAPHY AND
MINERALOGY OF THE ROCKS AT GLEN MILLS QUARRY, PENNSYLVANIA AND FROM A
PRELIMINARY INVESTIGATION INTO THE BROAD STRUCTURAL FEATURES SEEN IN THE
QUARRY ARE PRESENTED IN ORDER TO MAKE INTERRELATIONS REGARDING THE GRADE OF
METAMORPHISM, THE NUMBER OF PERIODS OF DEFORMATION AND THE ORIGIN OF THE ROCKS.

NAME CHACKO J. JOHN
PHONE NUMBER 302 738 2565
INSTITUTION OR AGENCY GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME A PILOT PROJECT ON THE FEASIBILITY OF REARING
CHANNEL CATFISH, ICTALURUS PUNCTATUS IN DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTHERN DELAWARE
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
A STUDY CONDUCTED IN DELAWARE DURING 1970 TO DETERMINE THE FEASIBILITY OF
CATFISH FARMING IN DELAWARE. EMPHASIZED ARE THE LENGTH OF THE FISH GROWING
SEASON IN DELAWARE, THE MINIMUM SIZE FINGERLING REQUIRED TO PRODUCE A
MARKETABLE FISH IN ONE GROWING SEASON AND THE APPLICABILITY OF EXISTING
BRACKISH WATER IMPROVEMENTS TO CATFISH CULTURE.

NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME A QUANTITATIVE STUDY OF BENTHIC FAUNA IN LOWER
CHESAPEAKE BAY WITH EMPHASIS ON ANIMAL-SEDIMENT RELATIONSHIPS
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
BAY, VIRGINIA

ABSTRACT QUANTITATIVE ANALYSIS AND SURVEY OF THE BENTHIC
FAUNA IN LOWER CHESAPEAKE BAY IN THE AREA OF A DREDGING AND DUMPING OPERATION
BY THE U S ARMY, CORPS OF ENGINEERS. EMPHASIS ON ANIMAL-SEDIMENT TYPE
RELATIONSHIPS.

NAME LIBRARIAN
PHONE NUMBER 804-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME A QUANTITATIVE STUDY OF THE ZOOPLANKTON IN THE
 DELAWARE RIVER IN THE VICINITY OF THE ARTIFICIAL ISLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER
 ABSTRACT DATA FOR ZOOPLANKTON SAMPLING NEAR ARTIFICIAL ISLAND
 IN THE DELAWARE RIVER IS PRESENTED IN REPORT FORM FOR THE YEAR 1970. OTHER
 YEARS' DATA AVAILABLE IN OTHER ICHTHYOLOGICAL ASSOCIATES' REPORTS.
 NAME JOHN G FERRANTE
 PHONE NUMBER 609 646 8366
 INSTITUTION OR AGENCY ICHTHYOLOGICAL ASSOCIATES
 STREET BOX 35, R.D. 2
 CITY MIDDLETOWN
 STATE DELAWARE
 ZIP CODE 19709

FILE NAME A REGIONAL GRAVITY SURVEY OF NEW YORK AND EASTERN
 PENNSYLVANIA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., GREAT LAKES, LAKE ONTARIO, NEW
 YORK, PENNSYLVANIA
 ABSTRACT A GRAVITY SURVEY OF WESTERN NEW YORK STATE AND
 EASTERN PENN. APPROXIMATELY 8,000 MEASUREMENTS WERE MADE WITH A WARDEN GRAVITY
 METER. FROM THE OBSERVED GRAVITY MEASUREMENTS THEORETICAL GRAVITY, FREE AIR
 GRAVITY ANOMALY, AND BOUGUER GRAVITY ANOMALY WERE CALCULATED. GEOMAGNETIC
 ANOMALY MEASUREMENTS WERE ALSO MADE WITH A VERTICAL COMPONENT MAGNETOMETER.
 THE DATA WERE PLOTTED ON THREE GRAVITY MAPS AND ONE MAGNETIC MAP.
 NAME DR. FRANK REVETTA
 PHONE NUMBER 315 268 4886
 INSTITUTION OR AGENCY STATE UNIVERSITY OF NEW YORK AT POTSDAM
 STREET GEOLOGY DEPARTMENT
 CITY POTSDAM
 STATE NEW YORK
 ZIP CODE 13676

FILE NAME A REGIONAL GRAVITY SURVEY OF N.Y. AND EASTERN
 PENNSYLVANIA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., GREAT LAKES, LAKE ONTARIO, NEW
 YORK, PENNSYLVANIA
 ABSTRACT A GRAVITY SURVEY OF WESTERN NEW YORK STATE AND
 EASTERN PENN. APPROXIMATELY 8,000 MEASUREMENTS WERE MADE WITH A WARDEN GRAVITY
 METER. FROM THE OBSERVED GRAVITY MEASUREMENTS THEORETICAL GRAVITY, FREE AIR
 GRAVITY ANOMALY, BOUGUER GRAVITY ANOMALY WERE CALCULATED. THE OBSERVED GRAVITY
 WAS MEASURED WITH A WARDEN GRAVITY METER. GEOMAGNETIC ANOMALY MEASUREMENTS
 WERE ALSO MADE WITH A VERTICAL COMPONENT MAGNETOMETER.
 NAME DR. FRANK REVETTA
 PHONE NUMBER 315 268 4886
 INSTITUTION OR AGENCY STATE UNIVERSITY OF NEW YORK AT POTSDAM
 STREET GEOLOGY DEPARTMENT
 CITY POTSDAM
 STATE NEW YORK
 ZIP CODE 13676

FILE NAME A REPORT ON FISHES TAKEN IN THE CHESAPEAKE AND
 DELAWARE CANAL AND CONTIGUOUS WATERS IN 1970
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER
 ABSTRACT DATA IS PRESENTED IN REPORT FORM ON AN EXPANDED
 PORTION OF ICHTHYOLOGICAL ASSOCIATES' ECOLOGICAL STUDY OF THE DELAWARE RIVER
 EMPHASIS OF THIS PROJECT WAS THE FISH FAUNA OF THE C & D CANAL WITH SPECIAL
 REFERENCE TO HABITATS, SPECIES COMPOSITION, OCCURRENCE, ABUNDANCE AND SEASONAL
 VARIATION.
 NAME JOHNSON C S WANG
 PHONE NUMBER 609 646 8366
 INSTITUTION OR AGENCY ICHTHYOLOGICAL ASSOCIATES
 STREET BOX 35, R.D. 2
 CITY MIDDLETOWN
 STATE DELAWARE
 ZIP CODE 19709

FILE NAME A REPORT ON THE COOPERATIVE BLUE CRAB STUDY--SOUTH
 ATLANTIC STATES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTH CAROLINA TO FLORIDA,
 COASTAL
 ABSTRACT A STUDY TO DETERMINE CAUSES OF BLUE CRAB
 MORTALITIES IN THE SOUTH ATLANTIC STATES. HYDROLOGICAL CHARACTERISTICS,
 DISEASES, PARASITES, AND RESIDUAL PESTICIDES ARE FACTORS CONSIDERED.
 NAME ROBERT K. MAPCOE
 PHONE NUMBER 912 265 1550
 INSTITUTION OR AGENCY GEORGIA GAME AND FISH COMMISSION
 STREET COASTAL FISHERIES DIVISION
 CITY BRUNSWICK
 STATE GEORGIA
 ZIP CODE 31520

FILE NAME A REPORT ON THE 1966 PHEASANT CROWING COUNTS--TG-A
 REPORT ON THE 1976 PHEASANT CROWING COUNTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT SIZES OF THE BREEDING MALE POPULATION OF PHEASANTS
 AT 15 TO 16 SITES THROUGHOUT NEW JERSEY HAVE BEEN STUDIED ANNUALLY DURING THE
 MONTH OF MAY SINCE 1966 THROUGH COUNTS OF MALE PHEASANT CALLS.
 NAME PRINCIPAL WILDLIFE BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME A REPORT ON THE 1972 WHISTLING COCK COUNT OF
 BOBWHITE QUAIL--TG-A REPORT ON THE 1976 WHISTLING COCK COUNT OF BOBWHITE QUAIL
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, SOUTHERN COUNTIES
 ABSTRACT SIZES OF THE MALE POPULATION OF BOBWHITE QUAIL IN
 11 COUNTIES IN SOUTHERN NEW JERSEY HAVE BEEN STUDIED ANNUALLY DURING THE MONTH
 OF JUNE SINCE 1972 THROUGH COUNTS OF COCK WHISTLES.
 NAME PRINCIPAL WILDLIFE BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME A SEDIMENTOLOGICAL STUDY OF AN ACTIVE PART OF A
 MODERN TIDAL DELTA, MORICHES INLET, LONG ISLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, NEW YORK BIGHT, LONG
 ISLAND, MORICHES INLET, COASTAL
 ABSTRACT A SEDIMENTOLOGICAL STUDY OF AN ACTIVE PART OF A
 MODERN TIDAL DELTA, MORICHES INLET, LONG ISLAND, NEW YORK WAS UNDERTAKEN.
 FIELD WORK WAS CARRIED OUT DURING JUNE 1970 WHICH CONSISTED OF MAPPING THE
 TIDAL DELTA AND INDICATING DEPOSITIONAL ENVIRONMENTS. THE ENVIRONMENTS
 DETERMINED INCLUDED CHANNELS, MUSSEL BEDS, ACTIVE LOBES OF SAND, TIDAL FLATS
 AND MARSHES. SIX TUBE CORES, 7 BOX CORES AND 17 SPOT SAMPLES WERE COLLECTED.
 THE FINAL PHASE OF THE FIELD WORK INVOLVED CURRENT SPEED AND DIRECTION
 MEASUREMENTS THROUGH THE TIDAL DELTA. EPOXY RELIEF PEELS WERE MADE TO EXAMINE
 SEDIMENTARY STRUCTURES. GRAIN SIZE ANALYSES WERE CONDUCTED ON TWENTY SAMPLES
 OBTAINED FROM THE SURFICIAL SAMPLES AND AT VARIOUS DEPTHS IN THE TUBE CORES.
 NAME DR. JOHN E. SANDERS
 PHONE NUMBER 212 280 4312
 INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, BARNARD COLLEGE, COLUMBIA
 UNIVERSITY
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10027

FILE NAME A STUDY OF MARITIME AEROSOLS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, NEW YORK BIGHT
 ABSTRACT THE PURPOSE OF THIS RESEARCH IS TO SURVEY THE
 ATMOSPHERIC AEROSOL CONCENTRATION OVER THE SEAS, USE THE INFORMATION GATHERED
 TO EVALUATE SOURCES AND SINKS OF THESE PARTICLES, AND BEGIN A CHRONOLOGY OF
 SUCH OBSERVATIONS. THE INSTRUMENT USED PREDOMINANTLY IN THE STUDY IS A
 SLIGHTLY MODIFIED AIKEN PHOTO-ELECTRIC AEROSOL DETECTOR. PARTICLES ARE GREATER
 THAN 0.0075 MICRONS AND COMPRISE 5 TO 10 PERCENT OF TOTAL ATMOSPHERIC PARTICU
 LATE MATTER. CONDENSATION NUCLEI DETECTOR PARTICLES COLLECT ON CONDENSATION
 DROPLET, WHICH ARE THEN COUNTED BY THE DETECTOR. WIND DIRECTION AND SPEED,
 CLOUD COVER AND VISIBILITY ARE ALSO DETERMINED. AEROSOL OBSERVATIONS HAVE
 BEEN OBTAINED ALONG SEVEN TRADE ROUTES. IN ADDITION, SIX ATLANTIC CROSSINGS
 HAVE BEEN MADE BY THE SHIP EMPIRE STATE IV.
 NAME DR. AUSTIN W. FEGAN
 PHONE NUMBER 516 377 4477
 INSTITUTION OR AGENCY ATMOSPHERIC SCIENCES RESEARCH CENTER, SUNY
 STREET 130 SARATOGA ROAD
 CITY SCOTIA
 STATE NEW YORK
 ZIP CODE 12202

FILE NAME A STUDY OF NORTH CAROLINA SCRAP FISHERY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT A STUDY IN 1970 AND 1971 TO OBTAIN CHARACTERISTICS
 OF MOVEMENT, GROWTH, AND MORTALITY OF ATLANTIC CROAKER (MICROPOGON UNDULATUS),
 SPOT (LEICISTOMUS XANTHURUS), AND WEAKFISH (CYNOSCICN REGALIS). SAMPLES WERE
 COLLECTED TO DETERMINE THE RATIO OF DISCARDED FISH TO SHRIMP AND THE SPECIES
 COMPOSITION OF THE FISH DISCARD. STUDY CONDUCTED IN NORTH CAROLINA

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 RESOURCES
 STREET DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O.
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FILE NAME A STUDY OF OSMOTIC RESPONSE IN NEOMYSIS AMERICANA
 SMITH
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, YORK RIVER, WACHAPREAGLE
 ABSTRACT THREE ASPECTS OF OSMOTIC BEHAVIOR BY THE MYSTIC
 SHRIMP, NEOMYSIS AMERICANA, DRAWN FROM POPULATIONS FOUND IN ENVIRONMENTS WITH
 HIGH AND LOW SALINITY.

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 CITY COLLESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME A STUDY OF SUBMERGED DREDGE HOLES IN NEW JERSEY
 ESTUARIES WITH RESPECT TO THEIR FITNESS AS FINEFISH HABITAT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, NEW JERSEY
 ABSTRACT THIRTY-EIGHT SUBMERGED DREDGE HOLES LOCATED IN NEW
 JERSEY ESTUARIES WERE EXAMINED FROM AUGUST 1963 THROUGH OCTOBER 1966 WITH
 RESPECT TO THEIR FITNESS AS FINEFISH HABITAT. WATER QUALITY PARAMETERS EXAMINED
 WERE TEMPERATURE, SALINITY, DISSOLVED OXYGEN CONCENTRATION, AND HYDROGEN
 SULFIDE CONCENTRATION. THE BOTTOM MUDS OF 33 OF THESE HOLES WERE EXAMINED FOR
 THEIR INVERTEBRATE FAUNA. FURTHER, PHYSICAL/CHEMICAL PROPERTIES OF THE BOTTOM
 MUDS FROM SIX DREDGE HOLES WERE DETERMINED.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 652 9589
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 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET NACOTE CREEK RESEARCH STATION
 CITY ABSECON
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FILE NAME A STUDY OF THE COMMON REEDGRASS (PHRAGMITES
 COMMUNIS TRIN.) IN THE COASTAL ZONE OF DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL WETLANDS
 ABSTRACT SEVERAL COLONIES OF THE COMMON REEDGRASS,
 PHRAGMITES COMMUNIS TRIN, GROWING IN THE COASTAL WETLANDS OF DELAWARE, WERE
 EXAMINED FROM DECEMBER 1973 THROUGH OCTOBER 1975, AND DATA ON A VARIETY OF
 COLONY PARAMETERS WERE COLLECTED. DESTRUCTIVE AND NON-DESTRUCTIVE SAMPLING
 PROGRAMS WERE EMPLOYED TO MONITOR CHANGES OCCURRING IN THE AMOUNTS OF LIVE
 CULM, LITTER, STANDING DEAD STEM AND ROOT AND RHIZOME MATERIALS ASSOCIATED
 WITH THE STANDS AS WELL AS TO INVESTIGATE THE EMERGENCE, FLOWING AND RESOURCE
 ALLOCATION PATTERNS, CHEMICAL COMPOSITIONS, AND RICHNESS CHARACTERISTICS OF
 DEVELOPING COLONIES. IN ADDITION, THE BREAKDOWN PATTERNS CHARACTERISTIC OF
 VARIOUS TYPES OF REEDGRASS LITTER WERE EXAMINED BY MONITORING THE
 DISAPPEARANCE OF LITTER MATERIALS FROM MESH BAGS EXPOSED IN THE FIELD FOR
 VARIOUS TIME PERIODS.

NAME INTER-LIBRARY LOAN
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FILE NAME A STUDY OF THE EFFECTS OF DREDGING AND DREDGE SPOIL
DISPOSAL ON THE MARINE ENVIRONMENT
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
VIRGINIA

ABSTRACT INTENSIVE SURVEY OF SEDIMENTS AND BENTHIC ANIMALS
IN THE AREA OF THE RAPPAHANNOCK SHOAL AND SOIL DISPOSAL LOCATION IN CHESAPEAKE
BAY. SOME LIMITED SAMPLING IN YORK SPIT CHANNEL. SEDIMENT ANALYSIS IS COUPLED
WITH A SURVEY OF BENTHIC FAUNA AND RELATED TO FEEDING TYPES, SUBSTRATE,
HABITAT, SIZE, ABUNDANCE AND FREQUENCY OF ENCOUNTER. COMPARISON OF IN CHANNEL
AND OUT CHANNEL SAMPLING DATA INCLUDED ALONG WITH COMMENTS AS TO THE EFFECT OF
SPOIL DEPOSITION ON BENTHIC FAUNA. COMMENTS AS TO SEASONAL VARIATION OF
BENTHIC FAUNA AND EFFECTS OF DREDGING INCLUDED.

NAME LIBERIAN
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CITY GLoucester Point
STATE VIRGINIA
ZIP CODE 23062

FILE NAME A STUDY OF THE FISHES IN THE VICINITY OF EIGHT
SITES ON THE DELMARVA PENINSULA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., DELMARVA
PENINSULA

ABSTRACT STUDIES OF THE FISHES FOUND IN THE VICINITY OF
EIGHT POTENTIAL SITES FOR NUCLEAR GENERATING STATIONS WERE INITIATED IN APRIL
1972 AND CONTINUED THROUGH APRIL 1973. TRAWL, SEINE AND ICHTHYOPLANKTON
SAMPLES WERE TAKEN IN DELAWARE IN THE CHESAPEAKE AND DELAWARE CANAL (BETWEEN
U.S. ROUTE 13 AND THE PENN CENTRAL RAILROAD BRIDGE), AT RED LION (LOWER
DELAWARE RIVER), CDESSA-SMYRNA (LOWER DELAWARE RIVER AND UPPER DELAWARE BAY)
AND BOWERS BEACH (DELAWARE BAY); AND IN MARYLAND AT CLAIERNE (EASTERN
CHESAPEAKE BAY), CHESTER RIVER (AT THE CORSICA RIVER), DENTON (CHOPTANK RIVER)
AND VIENNA (MANTICKE RIVER). IN ADDITION, GILLNET SETS WERE MADE IN THE C D
CANAL, RED LION, BOWERS BEACH AND CLAIERNE AREAS. THIS REPORT IS BASED ON
INFORMATION OBTAINED FROM 29 APRIL 1972 THROUGH 30 APRIL 1973 AND INCLUDES
DATA FROM 320 TRAWL HALLS, 167 SEINE COLLECTIONS AND 29 GILLNET SETS. DATA
PERTAINING TO 513 ICHTHYOPLANKTON COLLECTIONS ARE ALSO PRESENTED IN THIS
REPORT.

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FILE NAME A STUDY OF THE FISHES IN THE VICINITY OF EIGHT
SITES ON THE DELMARVA PENINSULA APRIL 1972 THROUGH APRIL 1973, VOLUME II
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA
TIDAL AND RIVER WATERS

ABSTRACT DATA COLLECTED DURING A STUDY OF THE
ICHTHYOPLANKTON FOUND IN THE VICINITY OF EIGHT POTENTIAL SITES ON THE DELMARVA
PENINSULA FOR NUCLEAR GENERATING STATIONS ARE PRESENTED IN REPORT FORM. THE
STUDY WAS RUN FROM APRIL, 1972 TO APRIL, 1973. ICHTHYOPLANKTON SAMPLES WERE
ACQUIRED BY A 0.5MM PLANKTON NET. FOUR PRIMARY STATIONS WERE LOCATED IN THE
CHESAPEAKE AND DELAWARE CANAL, RED LION, CDESSA-SMYRNA AND CLAIERNE AREAS;
FOUR SECONDARY STATIONS WERE LOCATED IN THE BOWERS BEACH, CHESTER RIVER,
DENTON AND VIENNA AREAS. DATA ON THE FISHES PRESENT AT THE SAME SITES ARE
PRESENTED IN VOLUME I OF THE SAME REPORT. MEASUREMENTS OF SALINITY,
TEMPERATURE, PH, DISSOLVED OXYGEN AND SECCHI DEPTH ARE INCLUDED FOR ALL SITES.
ALL STATIONS WERE SAMPLED DURING PRELIMINARY PHASE; DURING SUSTAINED PHASE ALL
PRIMARY STATIONS WERE SAMPLED ON BIWEEKLY BASIS THROUGH NOVEMBER; THEREAFTER C
& D CANAL SITE WAS SAMPLED BIMONTHLY AND OTHER THREE PRIMARY STATIONS SAMPLED
MONTHLY; 26 SUBSTATIONS PER STATION.

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FILE NAME A STUDY OF THE FISHES IN THE VICINITY OF EIGHT
SITES ON THE DELMARVA PENINSULA APRIL 1972 THROUGH APRIL 1973, VOLUME I
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA
TIDAL AND RIVER WATERS

ABSTRACT DATA COLLECTED DURING A STUDY OF THE FISHES FOUND
IN THE VICINITY OF EIGHT POTENTIAL SITES ON THE DELMARVA PENINSULA FOR NUCLEAR
GENERATING STATIONS ARE PRESENTED IN REPORT FORM. THE STUDY WAS RUN FROM
APRIL, 1972 TO APRIL, 1973. FISH SAMPLES WERE ACQUIRED BY TRAWL, SEINE AND
GILLNET. FOUR PRIMARY STATIONS WERE LOCATED IN THE CHESAPEAKE AND DELAWARE
CANAL, RED LION, CDESSA-SMYRNA AND CLAIERNE AREAS; FOUR SECONDARY STATIONS
WERE LOCATED IN THE BOWERS BEACH, CHESTER RIVER, DENTON AND VIENNA AREAS. DATA
ON THE ICHTHYOPLANKTON PRESENT AT THE SAME SITES ARE PRESENTED IN VOLUME II OF
THE SAME REPORT. MEASUREMENTS OF SALINITY, TEMPERATURE, PH, DISSOLVED OXYGEN
AND SECCHI DEPTH ARE INCLUDED FOR ALL SITES.

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FILE NAME A STUDY OF THE SCUP, STENOTOMUS CHRYSOPS, BASED ON
 DATA FROM CATCHES OF THE 1963-64 WINTER TRAWL FISHERY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA HAMPTON BEADS
 ABSTRACT AGE AND GROWTH ANALYSIS OF THE SCUP, STENOTOMUS
 CHRYSOPS, FROM SAMPLES OBTAINED IN THE WINTER TRAWL FISHERY. LENGTH/WEIGHT
 REGRESSIONS COMPUTED, STOMACH CONTENTS ANALYZED AND OBSERVATIONS ON THE TRAWL
 FISHERY INCLUDED IN REPORT
 NAME LIBRARIAN
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 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME A STUDY OF THE TERRESTRIAL ECOLOGY OF FOUR SITES ON
 THE DELMARVA PENINSULA: OCTOBER 1972 THROUGH APRIL 1973
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELMARVA PENINSULA
 ABSTRACT DATA COLLECTED DURING A STUDY OF THE TERRESTRIAL
 ECOLOGY OF FOUR POTENTIAL SITES ON THE DELMARVA PENINSULA FOR NUCLEAR
 GENERATING STATIONS ARE PRESENTED IN REPORT FORM. THE STUDY WAS CONDUCTED FROM
 OCTOBER 1972 TO APRIL 1973. THE FOUR SITES WERE LOCATED IN THE CHESAPEAKE AND
 DELWARE CANAL, RED LION, OCESSA-SMYRNA AND CLAIBORNE AREAS. DATA CONSISTED OF
 QUALITATIVE ECOLOGICAL DESCRIPTIONS OF THE STUDY SITES. SPECIES LISTS OF
 OBSERVED TREES, MAMMALS, BIRDS, REPTILES AND AMPHIBIANS ARE INCLUDED. THE
 RESULTS OF A BASE LINE STUDY ON THE ABUNDANCE OF MUSKRATS ON THE OCESSA-SMYRNA
 SITE ARE ALSO PRESENTED.
 NAME DIRECTOR
 PHONE NUMBER 302 429 3205
 INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT COMPANY
 STREET 800 KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19899

FILE NAME A SURVEY OF CANINE FILARIASIS IN NEW CASTLE COUNTY,
 DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 A STUDY CONDUCTED IN NEW CASTLE COUNTY, DELAWARE DURING 1969 TO DETERMINE THE
 INCIDENCE DISTRIBUTION OF CANINE FILARIAL WORMS AMONG 100 DOGS. DATA WERE
 ANALYZED TO CORRELATE HISTORY AND PHYSICAL CHARACTERISTICS OF THE DOGS WITH
 THE PRESENCE OF ABSENCE OF THE MICROFILARIAE.
 NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME A SURVEY OF CHLORINATED PESTICIDE RESIDUES IN BLACK
 DUCK EGGS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, NORTH EASTERN U.S., AND SOUTHEAST
 CANADA
 ABSTRACT AN EXPLORATORY SURVEY OF CHLORINATED PESTICIDE
 RESIDUES IN FIELD COLLECTED EGGS WAS CONDUCTED TO HELP DETERMINE IF THESE
 COMPOUNDS WERE INVOLVED IN THE DUCK POPULATION IN THE ATLANTIC FLYWAY.
 NAME W.L. REICHEL
 PHONE NUMBER 301 776 4880
 INSTITUTION OR AGENCY U.S. BUREAU OF SPORT FISHERIES AND WILDLIFE
 STREET PATUXENT WILDLIFE RESEARCH CENTER
 CITY LAUREL
 STATE MARYLAND
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FILE NAME A SURVEY OF POLLUTION AND ITS EFFECT UPON THE
STREAMS WITHIN THE BROADKILL RIVER DRAINAGE BASIN
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE BAY,
BROADKILL RIVER BASIN

ABSTRACT THIS FILE CONTAINS THE CHEMICAL AND PHYSICAL DATA
COLLECTED DURING A 1950 POLLUTION SURVEY OF THE BROADKILL RIVER DRAINAGE
SYSTEM IN DELAWARE BY THE STATE BOARD OF HEALTH. THE DATA, COLLECTED BETWEEN
JUNE AND AUGUST, 1950, INCLUDES ALKALINITY, TEMPERATURE, DISSOLVED OXYGEN,
BIOLOGICAL OXYGEN DEMAND, WATER COLOR, SALINITY, SUSPENDED SOLIDS, PH,
ACIDITY, E. COLI COUNT INFORMATION FOR 60 STATIONS. THERE IS ALSO TIDE, WIND
VELOCITY AND DIRECTION, CURRENT VELOCITY, AND TOTAL FLOW DATA OVER A FULL
TIDAL CYCLE INCLUDED WITH THE OTHER CHEMICAL AND PHYSICAL DATA FOR THE
BROADKILL RIVER 200 YARDS AW OF THE ROOSEVELT INLET. SOME STREAM FLOW FROM
OTHER STATIONS WAS TAKEN INCLUDING INITIAL FLOW DATA AT EACH STATION.

NAME GOVERNMENT DOCUMENTS LIBRARIAN
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STREET MORRIS LIBRARY
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME A THREE YEAR SURVEY OF THE PESTICIDE CONTENT OF
SHELLFISH IN DELAWARE'S TIDAL WATERS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, INDIAN
RIVER AND REHOBOTH BAYS AND LEIPSIC, SIMONS, MISPELLION AND BROADKILL RIVERS
AND BEWER'S BEACH

ABSTRACT DATA ON THE LEVELS OF DDD, DDE, DDT AND DIELDRIN IN
THE GENERAL TISSUES OF THREE SHELLFISH, CRASSOSTREA VIRGINICA, MODIOLUS
DEMISUS AND MERCENARIA MERCENARIA, COLLECTED FROM OCTOBER 1966 THROUGH AUGUST
1969 FROM VARIOUS COASTAL WATERS ADJACENT TO THE STATE OF DELAWARE ARE
PRESENTED IN REPORT FORM.

NAME LAWRENCE CURTIS
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FILE NAME A TIME SERIES FROM THE BEACH ENVIRONMENT-II
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
VIRGINIA, VIRGINIA BEACH

ABSTRACT SAMPLING OF BEACH VARIABLES DURING A 30 DAY PERIOD
IN AUGUST AND SEPTEMBER, 1969 AT VA BEACH, VA. THE PURPOSE WAS TO INVESTIGATE
THE WATER TABLE OF A MARINE BEACH AND TO CLARIFY THE INTERACTION OF THE WATER
TABLE AND SEVERAL PROCESS VARIABLES OF THE BEACH-OCEAN-ATMOSPHERE SYSTEM

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CITY GLoucester POINT
STATE VIRGINIA
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FILE NAME A TWO YEAR STUDY OF MOSQUITO BREEDING AND WILDLIFE
USAGE IN THE LITTLE CREEK IMPOUNDED SALT MARSH, LITTLE CREEK WILDLIFE AREA,
DELAWARE, 1959-60

GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, KENT COUNTY
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
STUDIES CONDUCTED IN THE DELAWARE LITTLE CREEK WILDLIFE AREA DURING 1959 AND
1960 TO DETERMINE THE ENVIRONMENTAL AND ECOLOGICAL CHANGES OCCURRING IN A
NATURAL MARSH AREA UPON THE CONSTRUCTION OF A SALT WATER IMPONDMENT.
EMPHASIZED ARE THE EFFECTS OF THE IMPONDMENT ON MOSQUITO BREEDING AND
WILDLIFE UTILIZATION.

NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME A VOLUMETRIC ANALYSIS OF HOLOCENE SEDIMENTS
 UNDERLYING PRESENT DELAWARE SALT MARSHES INFLUENCED BY DELAWARE BAY TIDES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, MARINE TIDAL
 MARSHLAND
 ABSTRACT DATA FROM 226 BORINGS DRILLED IN DELAWARE SALT
 MARSHES LYING BETWEEN WILMINGTON, NEW CASTLE COUNTY AND LEWES, SUSSEX COUNTY
 WERE USED TO CONSTRUCT ISOPACH MAPS OF HOLOCENE MUDS. PLANIMETRIC ANALYSES OF
 THESE MAPS AND STUDIES OF DRILL RECORDS PROVIDED INFORMATION NECESSARY TO MAKE
 ESTIMATES OF THE VOLUME OF FINE - AND COARSE - GRAINED SEDIMENT DEPOSITED
 DURING THE GREATER PART OF THE HOLOCENE EPOCH. THE INVESTIGATOR ONLY DRILLED
 85 OF THE 226 BORINGS. DATA ON THE OTHER 141 WERE OBTAINED FROM J.C. KRAFT,
 DEPARTMENT OF GEOLOGY, UNIVERSITY OF DELAWARE; DELAWARE GEOLOGICAL SURVEY,
 DELAWARE STATE HIGHWAY DEPARTMENT AND G.K. ELLIOTT, DEPARTMENT OF GEOLOGY,
 UNIVERSITY OF DELAWARE.

NAME ALAN RICHTER
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 STATE DELAWARE
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FILE NAME A.D.R. TIDE FILE - MONTHLY SUMMARIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, NORTH PACIFIC, U.S., COASTAL,
 ALASKA, PACIFIC ISLANDS
 ABSTRACT FILE CONTAINS MONTHLY SUMMARIES OF TIMES OF HIGH
 AND LOW WATER AT CONTROL TIDAL STATIONS AROUND THE COASTAL UNITED STATES,
 ATLANTIC AND PACIFIC ISLANDS. FILE IS MAINTAINED FOR A TWO YEAR PERIOD AFTER
 WHICH THEY ARE FILED. AFTER ABOUT 10 YEARS DATA IS SENT TO THE NATIONAL
 ARCHIVES FOR PERMANENT STORAGE. ALL DATA ARE AVAILABLE AS PRINT-OUT, MAGNETIC
 TAPE, OR MICROFICHE.

NAME CHIEF, TIDES BRANCH
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 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
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 STATE MARYLAND
 ZIP CODE 20852

FILE NAME AAC-2 THERMAL IR SCANNER TEST
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WALLCPS ISLAND
 ABSTRACT MISSION W134, FLT. 1, JUNE 6, 1972, WITH WALLCPS
 STATION C-54 AIRCRAFT EQUIPPED WITH AAC-2 THERMAL IR SCANNER. OBJECTIVE - TO
 OBSERVE EFFECT OF TRANSIENT ELECTRICAL INTERFERENCE FROM THE AIRCRAFT FLIGHT
 AND COMMUNICATIONS SYSTEM ON AAC-2 SCANNER AND TO CHECK MINOR ADJUSTMENTS MADE
 TO V/F FILM TRANSPORT SYSTEM.

NAME PAUL ALFORD
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 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
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 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME ABSORPTION- METHOD A3 (CW FIELD STRENGTH) E.9
 TITELLATIONS
 GENERAL GEOGRAPHIC AREA WORLDWIDE, LAND
 ABSTRACT THESE DATA PROVIDE INFORMATION ON THE D AND E
 REGIONS OF THE IONOSPHERE. A3 ABSORPTION DATA COME FROM THE COMPARISON OF
 AMPLITUDES OF OBLIQUELY REFLECTED RADIO WAVES DURING TIMES OF ABSORPTION WITH
 AMPLITUDES DURING TIMES OF NO ABSORPTION.

NAME DIVISION CHIEF
 PHONE NUMBER 303 459 1000 X6467
 INSTITUTION OR AGENCY SOLAR-TERRRESTRIAL PHYSICS D63
 STREET NCA/EECS/NGSCC
 CITY BOLDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME ABUNDANCE AND DISTRIBUTION OF INSHORE BENTHIC FAUNA
 OF SOUTHWESTERN LONG ISLAND, NEW YORK
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND, CONEY ISLAND TO FIRE ISLAND
 ABSTRACT 39 STATIONS FROM CONEY ISLAND TO FIRE ISLAND WERE
 SAMPLED FROM NOV. 1966 TO NOV. 1967 FOR ABUNDANCE AND DISTRIBUTION OF INSHORE
 FAUNA. SAMPLES OF ZOOPLANKTON AND PHYTOPLANKTON WERE COLLECTED BUT NOT
 ANALYZED. THESE SAMPLES ARE AVAILABLE TO QUALIFIED INVESTIGATORS FOR THEIR
 ANALYSIS.

NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 201 872 0200
 INSTITUTION OR AGENCY MIDDLE ATLANTIC COASTAL FISHERIES CENTER,
 DEPARTMENT OF COMMERCE
 STREET SANDY HOOK MARINE LABORATORY
 CITY HIGHLANDS
 STATE NEW JERSEY
 ZIP CODE 07732

FILE NAME ABUNDANCE AND DISTRIBUTION OF FISHES AT AUGUSTINE BEACH, DELAWARE AND AT SUNKEN SHIP COVE NEAR ARTIFICIAL ISLAND, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER, COASTAL
 ABSTRACT SIMULTANEOUS SAMPLING OF INSHORE, INTERMEDIATE AND OFFSHORE WATERS AT SUNKEN SHIP COVE AND AUGUSTINE BEACH TO DETERMINE THE DISTRIBUTION BY DEPTH AND TIME FOR EACH SPECIES AND TO COMPARE SPECIES COMPOSITION AT THE TWO LOCATIONS. COMPARISONS OF THERMAL PLUME STATION TO NON AFFECTED STATION WERE THE BASIS OF SITE SELECTION. BEACH SEINES AND OTTER TRAWL USED. LENGTH FREQUENCY AND SAMPLE STATISTICS PRESENTED BY SPECIES. AN ANNUAL REPETITION OF SAMPLING PROGRAM IS EXPECTED.

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FILE NAME ABUNDANCE AND DISTRIBUTION OF FISHES IN THE DELAWARE RIVER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER, COASTAL
 ABSTRACT DATA FOR FINFISH IN THE DELAWARE RIVER IN THE VICINITY OF ARTIFICIAL ISLAND ARE PRESENTED. GEARS USED WERE TRAWL, BEACH SEINE, AND GILL NET. PRIMARY OBJECTIVE IS TO PROVIDE BASELINE ENVIRONMENTAL DATA TO EVALUATE THE IMPACT OF SALEM NUCLEAR POWER STATION UPON THE FISHES OF THE AREA. REPETITIVE ANNUAL PROGRAM IS ANTICIPATED.

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FILE NAME ABUNDANCE AND DISTRIBUTION OF FISHES IN AFPOCLINIMINK AND ALLCHAY CREEKS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER, COASTAL
 ABSTRACT SEINE AND TRAWL SURVEY OF THE LOW SALINITY TIDAL CREEKS IN THE PROXIMITY OF SALEM NUCLEAR POWER STATION. A CONTINUATION OF 1969 AND 1970 SURVEY WAS UNDER TAKEN. SPECIES LISTS, ABUNDANCE, AND SIZE COMPOSITION DATA INCLUDED. AN ANNUALLY REPETITIVE PROGRAM IS EXPECTED.

NAME VICTOR J. SCHULER
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FILE NAME ABYSSOTREMA PRITCHARDAE GEN-ET SP-N. (DIGENEA: FELLECCISTOMIDAE) FROM THE DEEP-SEA FISH, ALEPCCEPHALLUS AGASSIZI GODDE AND BEAN 1983
 GENERAL GEOGRAPHIC AREA WESTERN NORTH ATLANTIC OCEAN, HUDSON CANYON
 ABSTRACT ABYSSOTREMA PRITCHARDAE IS DESCRIBED FROM THE BENTHIC TELEOST, ALEPCCEPHALLUS AGASSIZI, TAKEN FROM HUDSON CANYON IN THE WESTERN NORTH ATLANTIC AT DEPTHS OF 1,919 TO 2,297 M. PARAMETERS MEASURED INCLUDE: SPECIES DETERMINATION OF PELAGIC FISH AND PARASITES, COUNT OF PELAGIC FISH AND PARASITES, LENGTH OF PARASITES, MORPHOMETRIC MEASUREMENT OF PARASITES, SAMPLE OF PARASITES. THE DATA WERE COLLECTED BY DR. RONALD A. CAMPBELL, BIOLOGY DEPARTMENT, SOUTHEASTERN MASSACHUSETTS UNIVERSITY, NORTH DARTMOUTH, MASSACHUSETTS 02747, AND ARE AVAILABLE IN PUBLISHED FORM.

NAME DR. RONALD A. CAMPBELL
 PHONE NUMBER 617 997 9321
 INSTITUTION OR AGENCY SOUTHEASTERN MASSACHUSETTS UNIVERSITY
 STREET OLD WESTPORT ROAD
 CITY NORTH DARTMOUTH
 STATE MASSACHUSETTS
 ZIP CODE 02747

FILE NAME ADDITIONAL STUDIES OF ICHTHYOPLANKTON FROM THE CHESAPEAKE AND DELAWARE CANAL IN APRIL TO JUNE 1973
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA, CHESAPEAKE AND DELAWARE CANAL
 ABSTRACT DATA COLLECTED DURING A CONTINUED STUDY OF THE ICHTHYOPLANKTON IN THE CHESAPEAKE AND DELAWARE CANAL, A POTENTIAL SITE FOR A NUCLEAR GENERATING STATION, FROM APRIL 1973 TO JUNE 1973 ARE PRESENTED IN REPORT FORM. ICHTHYOPLANKTON SAMPLES WERE TAKEN WITH A 0.5M, 0.5MM PLANKTON NET. WATER MEASUREMENTS OF SALINITY, TEMPERATURE, PH, DISSOLVED OXYGEN AND SECCHI DEPTH ARE INCLUDED. THERE WERE A TOTAL OF 15 STATIONS SPACED ALONG THE LENGTH OF THE CANAL.

NAME DIRECTOR
 PHONE NUMBER 302 429 3205
 INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT COMPANY
 STREET 800 KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19855

FILE NAME ADULT AMERICAN SHAD TAGGING AND RECOVERY DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER BASIN
 ABSTRACT TAGGING AND RECOVERY STUDY OF THE ADULT AMERICAN
 SHAD WAS BEGUN IN 1969. EIGHT STATIONS WERE ROUTINELY SAMPLED WITH DRIFT GILL
 NETS, ANCHOR GILL NETS, POUND NET, HAUL SEINE, TRAP NET, HOOP NET, AND WEIR
 NET. ANCILLARY DATA INCLUDED WATER TEMPERATURE, DISSOLVED OXYGEN, AND WATER
 FLOW.

NAME JOSEPH P. MILLER
 PHONE NUMBER 609 397 0115
 INSTITUTION OR AGENCY DELAWARE RIVER BASIN, ANACROMCHUS FISHERIES STUDY
 STREET P.O. BOX 55
 CITY ROSEMONT
 STATE NEW JERSEY
 ZIP CODE 08556

FILE NAME ADULT LOBSTER STUDIES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., CONNECTICUT, LONG ISLAND
 SOUND, BLOCK ISLAND SOUND, CONTINENTAL SHELF
 ABSTRACT TO AID COMMERCIAL FISHERMEN, A STUDY OF THE
 LOBSTER, HOMARUS AMERICANUS, WAS UNDERTAKEN TO GAIN BASIC KNOWLEDGE OF ITS
 LIFE HISTORY INCLUDING DIEL PERIODICITY AND SEASONAL MIGRATION. LARVAE SAMPLES
 WERE TAKEN AND STORED FOR FURTHER WORK. ADULT LOBSTERS WERE MEASURED, SEX
 DETERMINED, AND TAGGED. TAGS WERE BOTH CONVENTIONAL TYPE AND SONIC TYPE.
 WATER TEMPERATURE WAS TAKEN. GRAIN SIZE ANALYSES WERE PERFORMED ON SAMPLES
 TAKEN FROM LOBSTER HABITATS. GENERAL DESCRIPTIONS OF HABITAT TYPES WERE MADE.

NAME DR. WILLIAM LUNG
 PHONE NUMBER 203 536 4233
 INSTITUTION OR AGENCY MARINE RESEARCH LABORATORY, UNIVERSITY OF
 CONNECTICUT
 CITY NEWARK
 STATE CONNECTICUT
 ZIP CODE 06340

FILE NAME AERIAL OZONE PLANNING
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NORTHEASTERN
 SEABOARD, NEW YORK, NEW JERSEY, PENNSYLVANIA, MARYLAND, CONNECTICUT
 ABSTRACT THIS IS A SEASONAL STUDY (JUNE, JULY, AUGUST)
 CONDUCTED EVERY YEAR TO CHARACTERIZE REGIONAL DISTRIBUTION AND TRANSPORT OF
 PHOTOCHEMICAL OXIDANTS (OZONE).

NAME DR. ALAN I MYTELKA
 PHONE NUMBER 212 582 0380
 INSTITUTION OR AGENCY INTERSTATE SANITATION COMMISSION
 STREET 10 COLUMBUS CIRCLE RM. 1620
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10019

FILE NAME AERIAL PHOTO ATLAS 1960, 1965, 1970, 1975
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., PENNSYLVANIA, NEW
 JERSEY, CAMDEN, GLUCESTER, MERCER, BURLINGTON, MONTGOMERY, DELAWARE, CHESTER,
 PHILADELPHIA, BUCKS COUNTIES
 ABSTRACT THIS FILE CONTAINS THE AERIAL VISIBLE PHOTOGRAPHIC
 RECORD OF THE 9 COUNTY DELAWARE VALLEY REGIONS IN PENNSYLVANIA AND NEW JERSEY.
 THIS PHOTO ATLAS, TAKEN EVERY 5 YEARS, INCLUDES 1330 PHOTOGRAPHS OF
 OVERLAPPING LAND AREAS IN THE REGION PER EACH MAPPING AND THEREBY COVERS A
 3000 SQUARE MILE AREA IN BUCKS, MONTGOMERY, PHILADELPHIA, DELAWARE, CHESTER
 COUNTIES OF PENNSYLVANIA AND GLUCESTER, MERCER, BURLINGTON, AND CAMDEN
 COUNTIES OF NEW JERSEY ALTHOUGH NOT CATEGORIZED PER GRID OR PRINT, THE PHOTOS
 MAY BE USED TO MAP CATEGORIC LAND USE IN THE REGION AS THEY CAN CLEARLY BE
 INTERPRETATED FOR SUCH PURPOSES.

NAME MICHAEL WOLFE
 PHONE NUMBER 215 567 3000
 INSTITUTION OR AGENCY DELAWARE VALLEY REGIONAL PLANNING COMMISSION
 STREET 1815 JFK BOULEVARD
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19103

FILE NAME AERIAL PHOTOGRAPHIC STUDIES OF THE COASTAL WATERS
 OF NEW YORK AND LONG ISLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, ATLANTIC OCEAN, U.S., NEW YORK,
 COASTAL, NEW YORK HARBOR, LONG ISLAND SOUND
 ABSTRACT FIELD MEASUREMENTS OF TEMPERATURE, SALINITY,
 CHLOROPHYLL A, TOTAL PARTICULATE MATTER, VOLATILE PARTICULATE MATTER, AS WELL
 AS SPECIES DETERMINATION AND COUNT OF PHYTOPLANKTON, BENTHIC PLANTS AND
 ANIMALS WERE OBTAINED DURING AIRCRAFT MISSIONS IN JAMAICA BAY, NEW YORK HARBOR
 AND OFF MONTAUK POINT, DURING 1970. INCLUDED ARE MAPS AND AERIAL PHOTOS OF THE
 MISSION SITES ON AND AROUND LONG ISLAND, NEW YORK.

NAME MAHLON G. KELLY AND LOUIS CASTIGLIONE
 PHONE NUMBER 516 668 5600
 INSTITUTION OR AGENCY NEW YORK OCEAN SCIENCE LABORATORY
 CITY MONTAUK
 STATE NEW YORK
 ZIP CODE 11954

FILE NAME AERIAL PHOTOGRAPHS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S.,
 COASTAL, MAINE, NEW HAMPSHIRE, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, NEW
 YORK, NEW JERSEY, PENNSYLVANIA, DELAWARE, MARYLAND, DISTRICT OF COLUMBIA,
 VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, FLORIDA, ALABAMA,
 MISSISSIPPI, LOUISIANA, TEXAS, CALIFORNIA, OREGON, WASHINGTON, ALASKA, HAWAII
 ABSTRACT THIS FILE CONTAINS AERIAL PHOTOGRAPHS USED BY THE
 NATIONAL OCEAN SURVEY IN CONNECTION WITH NAUTICAL AND AERONAUTICAL CHARTING
 PROGRAMS. PHOTOGRAPHS ARE AVAILABLE FOR MOST OF THE COASTAL AREAS OF THE
 UNITED STATES. AERIAL PHOTOGRAPHS ARE AVAILABLE AS CONTACT PRINTS,
 ENLARGEMENTS, FILM POSITIVES, NEGATIVES; SOME COLOR PHOTOGRAPHY IS AVAILABLE
 FOR SOME REGIONS. SINGLE-LENS PHOTOGRAPHS ARE USUALLY TAKEN AT 1:10,000,
 1:20,000, 1:24,000, 1:30,000 OR 1:40,000 SCALE. THE SCALES ARE APPROXIMATE DUE
 TO SHRINKAGE OR EXPANSION OF PAPER, UNCERTAINTY IN REPORTED FLIGHT ALTITUDE,
 TIP AND TILT OF THE AIRCRAFT AND THE EFFECT OF GROUND RELIEF.

NAME CHIEF, PHOTOGRAPH AND IMAGERY INFORMATION SECTION
 PHONE NUMBER 301 456 8601
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME AERIAL WATERFOWL SURVEYS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT AERIAL WATERFOWL SURVEYS WERE CONDUCTED ON WETLANDS
 AREAS OF NEW JERSEY TO DETERMINE ANNUAL POPULATION TRENDS, MOVEMENTS,
 DISTRIBUTION AND LOCATION OF WATERFOWL. TWENTY-ONE YEAR POPULATION, HARVEST,
 AND PRODUCTION TRENDS OF THE ATLANTIC BRANT FOR THE ATLANTIC FLYWAY AND NEW
 JERSEY ARE REPORTED. TWENTY-SEVEN SPECIES OF BIRDS WERE COUNTED DURING AERIAL
 FLIGHTS.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6666
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME AERIAL WATERFOWL SURVEYS; MULTI MARSH INVESTIGATIONS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT AERIAL WATERFOWL SURVEYS CONDUCTED ON IMPORTANT
 WETLAND AND WATER AREAS OF NEW JERSEY REVEALED LARGE NUMBERS OF WATERFOWL
 WINTERED IN THE STATE. FINDINGS REPORTED INCLUDE WATERFOWL POPULATIONS, WINTER
 INVENTORY, FLIGHT SEGMENTS, COMPARISON OF 1976 WINTER SURVEY COUNTS WITH 1975
 AND THE 1966 TO 1975 AVERAGE. ALSO, TWENTY YEAR POPULATION, HARVEST AND
 PRODUCTION TRENDS OF THE ATLANTIC BRANT FOR THE ATLANTIC FLYWAY AND NEW JERSEY
 IS COMPILED AS WELL AS POPULATION ESTIMATES OF THE GREATER SNOW GOOSE DURING
 1965 TO 1976.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6666
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME AGE AND GROWTH OF CHANNEL BASS, SCIAENOPS OCELLATA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 NORTH CAROLINA OUTER BANKS, VIRGINIA CAPES
 ABSTRACT A CONTINUING STUDY OF THE AGE AND GROWTH OF THE
 CHANNEL BASS (SCIAENOPS OCELLATA) WERE MADE FROM FISH TAKEN IN THE NORTH
 CAROLINA OUTER BANKS AND VIRGINIA CAPES FROM 1955 TO THE PRESENT.

NAME C E RICHARDS
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME AGE AND GROWTH OF THE BLACK DRUM
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, NORTH CAROLINA OUTER BANKS
 ABSTRACT AGE AND GROWTH STUDIES OF THE BLACK DRUM (MORONIS
 MORONIS) WERE MADE FROM THE DEMERSAL FISH TAKEN FROM THE CHESAPEAKE BAY,
 VIRGINIA'S EASTERN SHORE AND THE NORTH CAROLINA OUTER BANKS FOR 11 YEARS. DATA
 APPEARS IN THE TRANS AMER FISH SOC. OBSERVATIONS ARE FROM POUND NET AND SPURT
 FISHING CATCHES.

NAME C E RICHARDS
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME AGE AND GROWTH OF THE NORTHERN PUFFER, SPHCERCIDES
 MACLLATUS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY
 VIRGINIA, YORK RIVER, RAPPAHANNOCK RIVER, MCBJACK BAY
 ABSTRACT AGE AND GROWTH ANALYSIS OF THE NORTHERN PUFFER.
 ANALYSIS INCLUDES VERTEBRAL LENGTH AND BODY LENGTH RELATIONSHIP, LENGTH
 FREQUENCY DIAGRAMS, GROWTH CURVES AND LENGTH WEIGHT RELATIONSHIP. MERITS OF
 AGE DATING WITH VERTEBRAE INCLUDED
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME AGE AND GROWTH OF THE NORTHERN SEAROBIN
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF
 OFF VIRGINIA, CHESAPEAKE BIGHT, CHESAPEAKE BAY, YORK RIVER
 ABSTRACT AGE AND GROWTH ANALYSIS OF THE NORTHERN SEAROBIN,
 PRIONCTUS CAROLINUS, CAPTURED IN THE REGION OF THE CHESAPEAKE BIGHT. REPORT
 INCLUDES LENGTH-WEIGHT REGRESSIONS, TECHNIQUE OF AGE ANALYSIS BY EXAMINATION
 OF OTOLITHS, ANNUAL INCREMENTS OF LENGTH AND WEIGHT, LENGTH FREQUENCY
 HISTOGRAMS, INFORMATION OF SPAWNING AND RELATIVE BIC CONDITION. PHOTOGRAPHS OF
 OTOLITHS AND DESIGNATED ANULLI.
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME AGE AND GROWTH OF THE SILVER PERCH (BAIRDIELLA
 CHRYSURA)
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
 BAY, JAMES RIVER, YORK RIVER, RAPPAHANNOCK RIVER, WARE RIVER, PIANKATANK RIVER
 ABSTRACT AGE AND GROWTH ANALYSIS OF THE SILVER PERCH,
 BAIRDIELLA CHRYSURA, IN THE LOWER CHESAPEAKE BAY AND TRIBUTARIES.
 LENGTH-WEIGHT REGRESSIONS COMPLETED.
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME AGE AND GROWTH OF THE STRIPED SEA ROBIN
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 CONTINENTAL SHELF BETWEEN CAPE MAY, NEW JERSEY AND CAPE HATTERAS, NORTH
 CAROLINA
 ABSTRACT AGE AND GROWTH ANALYSIS ON THE STRIPED SEA ROBIN,
 PRIONCTUS EUCLANS, WAS PERFORMED ON SAMPLES TAKEN FROM THE CONTINENTAL SHELF
 FROM CAPE MAY N J TO CAPE HATTERAS N C. APRIL 1966 SAMPLES OBTAINED WITH A
 YANKEE TRAWL 4 IN MESH. OTHER SAMPLES OBTAINED WITH A SEMI-BALLOON TRAWL 1/2
 IN AND 2 IN MESH. SEASONAL DISTRIBUTION OF SEA ROBINS NOTED, LENGTH/WEIGHT
 RELATIONSHIPS AND LENGTH FREQUENCIES BY SEASON COMPUTED. COMMENTS MADE AS TO
 THE SUCCESS OF VARIOUS AGING METHODS
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME AGE AND GROWTH OF WHITE MULLET, MUGIL CUREMA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
 BAY, VIRGINIA, SEASIDE EASTERN SHORE
 ABSTRACT AGE AND GROWTH STUDIES OF THE WHITE MULLET (MUGIL
 CUREMA) WERE TAKEN FROM FISH IN THE SEASIDE EASTERN SHORE OF THE LOWER
 CHESAPEAKE BAY FOR 16 MONTHS USING BEACH SEINES. LENGTH-WEIGHT REGRESSIONS
 WERE COMPUTED AND JUVENILES WERE CHECKED FOR PREDATOR DAMAGE.
 NAME C E RICHARDS
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME AGE AND SIZE OF ATLANTIC MENHADEN
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MAINE TO FLORIDA
 ABSTRACT AGE AND SIZE STUDY OF ATLANTIC MENHADEN THROUGHOUT
 THE GEOGRAPHICAL AND SEASONAL RANGE OF THE ATLANTIC MENHADEN FISHERY. SAMPLES
 FROM COMMERCIAL CATCH.
 NAME DIRECTOR
 PHONE NUMBER 919 726 4595
 INSTITUTION OR AGENCY ATLANTIC ESTUARINE FISHERIES CENTER
 STREET NATIONAL MARINE FISHERIES SERVICE
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME AGE DISTRIBUTION AND GROWTH OF WEAKFISH, CYNOSCIUM
 REGALIS IN DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, DELAWARE BAY
 ABSTRACT THIS THESIS EXAMINED GROWTH ASPECTS OF WEAKFISH,
 CYNOSCIUM REGALIS IN DELAWARE BAY. GROWTH RATES, AGE DETERMINATIONS, LENGTHS
 AND SEASONAL SIZE DISTRIBUTIONS ARE REPORTED.
 NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, CHRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME AGE, GROWTH, AND DISTRIBUTION OF COBIA IN VIRGINIA
 WATERS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
 BAY, CONTINENTAL SHELF OFF COAST OF VIRGINIA
 ABSTRACT AGE AND GROWTH STUDIES OF PELAGIC FISH
 COBIARACHYCENTRON CANADUM WERE MADE ON THE VIRGINIA CONTINENTAL SHELF FOR 66
 MONTHS. THE DATA WAS PUBLISHED IN THE TRANS AMER FISH SOC 1967, 96(3) 343-350.
 NAME C E RICHARDS
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester Point
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME AIR MONITORING NETWORK IN THE VICINITY OF MERCER
 POWER STATION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, MERCER COUNTY,
 TRENTON, MERCER POWER STATION
 ABSTRACT THREE AIR POLLUTION MONITORING SITES LOCATED IN THE
 VICINITY OF THE MERCER COUNTY POWER STATION WERE OPERATED BETWEEN JANUARY,
 1974 AND JUNE, 1975. HOURLY READINGS OF SULFUR DIOXIDE, NITROGEN DIOXIDE AND
 OXIDES OF NITROGEN AND AVERAGE FOUR DAY VALUES OF SUSPENDED PARTICULATES WERE
 KEPT AND FILED IN QUARTERLY REPORTS. IN ADDITION, METEOROLOGICAL DATA WAS
 COMPILED TO INDICATE THE TYPE OF WEATHER CONDITIONS WHICH ACCOMPANIED
 POLLUTION LEVELS. ALL WEATHER DATA WAS SUPPLIED BY THE NATIONAL WEATHER
 SERVICE AT THE PHILADELPHIA INTERNATIONAL AIRPORT.
 NAME SENIOR ENVIRONMENTAL SPECIALISTS
 PHONE NUMBER 609 292 6723
 INSTITUTION OR AGENCY NEW JERSEY BUREAU OF AIR POLLUTION CONTROL
 STREET LABOR AND INDUSTRY BUILDING
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME AIR MONITORING PROGRAM IN THE VICINITY OF BERGEN
 POWER PLANT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, BERGEN COUNTY,
 LECNIA, HASBROUCK HEIGHTS, FAIRVIEW
 ABSTRACT THREE AIR POLLUTION MONITORING SITES LOCATED IN THE
 VICINITY OF THE BERGEN COUNTY POWER STATION WERE OPERATED BETWEEN DECEMBER,
 1973 AND AUGUST, 1975. HOURLY DATA FOR SULFUR DIOXIDE, NITROGEN DIOXIDE AND
 OXIDES OF NITROGEN, AND AVERAGE FOUR DAY VALUES OF SUSPENDED PARTICULATES WERE
 KEPT AND FILED IN QUARTERLY REPORTS. IN ADDITION, GENERAL WEATHER DATA WAS
 ACCUMULATED FOR THE PROJECT BY THE WEATHER SERVICE AT TETERBORO AIRPORT, NEW
 JERSEY.
 NAME SENIOR ENVIRONMENTAL SPECIALISTS
 PHONE NUMBER 609 252 6723
 INSTITUTION OR AGENCY NEW JERSEY BUREAU OF AIR POLLUTION CONTROL
 STREET LABOR AND INDUSTRY BUILDING
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME AIR MONITORING PROGRAM IN THE VICINITY OF THE
 BERGEN POWER GENERATING STATION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, BERGEN COUNTY
 ABSTRACT AN AIR QUALITY MONITORING PROGRAM WAS CONDUCTED IN
 THE VICINITY OF THE BERGEN POWER GENERATING STATION, NEW JERSEY FROM JANUARY
 1974 THROUGH DECEMBER 1976 TO DETERMINE THE IMPACT OF THE POWER PLANT ON THE
 QUALITY OF AMBIENT AIR IN THE REGION. CONCENTRATIONS OF SULFUR DIOXIDE,
 NITROGEN DIOXIDE, OXIDES OF NITROGEN, AND TOTAL SUSPENDED PARTICULATES WERE
 CONTINUOUSLY MONITORED AT THREE STATIONS WHILE WIND SPEED AND DIRECTION WERE
 CONTINUOUSLY MONITORED AT THE WEATHER STATION AT TETERBORO AIRPORT.
 NAME MECHANICAL DIVISION CHIEF
 PHONE NUMBER 201 621 6800
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY, ENERGY
 LABORATORY
 STREET 200 ECHYDEN AVENUE
 CITY MAPLEWOOD
 STATE NEW JERSEY
 ZIP CODE 07040

FILE NAME AIR QUALITY MONITORING PROGRAM IN THE VICINITY OF
 THE MERCER POWER GENERATING STATION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, MERCER COUNTY
 ABSTRACT AN AIR QUALITY MONITORING PROGRAM WAS CONDUCTED IN
 THE VICINITY OF THE MERCER POWER GENERATING STATION, NEW JERSEY FROM JANUARY
 1974 THROUGH DECEMBER 1976 TO DETERMINE THE IMPACT OF THE POWER PLANT ON THE
 QUALITY OF AMBIENT AIR IN THE REGION. CONCENTRATIONS OF SULFUR DIOXIDE,
 NITROGEN DIOXIDE, OXIDES OF NITROGEN, AND TOTAL SUSPENDED PARTICULATES WERE
 CONTINUOUSLY MONITORED AT THREE STATIONS WHILE WIND SPEED AND DIRECTION WERE
 CONTINUOUSLY MONITORED AT THE PLANT SITE.
 NAME MECHANICAL DIVISION CHIEF
 PHONE NUMBER 201 621 6800
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY, ENERGY
 LABORATORY
 STREET 200 EGYDEN AVENUE
 CITY MAPLEWOOD
 STATE NEW JERSEY
 ZIP CODE 07040

FILE NAME AIR QUALITY OF NEW YORK CITY: MASTER TAPES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, NEW YORK CITY
 ABSTRACT THE PURPOSE OF THIS STUDY IS TO MONITOR THE AIR
 QUALITY OF NEW YORK CITY VICINITY WITH REGARD TO: (A) OBJECTIVELY MEASURE
 PROGRESS TOWARD AIR QUALITY GOALS; (B) INDICATE WHETHER FURTHER ABATEMENT
 STEPS ARE REQUIRED; (C) ESTABLISH DATA BANK FOR EPIDEMIOLOGICAL AND OTHER
 RESOURCES.
 NAME MANAGER: COMPUTER SYSTEMS
 PHONE NUMBER 212 566 3355
 INSTITUTION OR AGENCY NEW YORK CITY: DEPARTMENT OF AIR RESOURCES
 STREET 51 ASTOR PLACE
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10013

FILE NAME AIRBORNE PARTICULATE MATTER AT PORT RICHMOND,
 PHILADELPHIA, PENNSYLVANIA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, PHILADELPHIA,
 PORT RICHMOND, READING COMPANY DOCKS
 ABSTRACT PARTICULATE CONTENT OF AIR WAS MEASURED AT THREE
 STATIONS DAILY FOR TWENTY-FIVE DAYS. A HIGH VOLUME SAMPLER WAS USED. THIS
 STUDY WAS CONDUCTED TO DETERMINE BACKGROUND VALUES OF PARTICULATE POLLUTION
 BEFORE A POTENTIAL LOADING FACILITY COULD BE CONSTRUCTED.
 NAME DR. FREDERICK B. FIGGINS, JR.
 PHONE NUMBER 215 767 7816
 INSTITUTION OR AGENCY COLLEGE OF ENGINEERING TECHNOLOGY
 STREET TEMPLE UNIVERSITY
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19122

FILE NAME AIRBORNE RADIATION THERMOMETER SURVEY OF CHESAPEAKE
 BIGHT AND ADJACENT AREAS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., EASTERN COASTAL WATERS,
 CHESAPEAKE BIGHT
 ABSTRACT A SERIES OF AERIAL TRANSECTS WERE FLOWN ACROSS THE
 CHESAPEAKE BIGHT AND ADJACENT OFFSHORE WATERS ON 29 AUG 1969. SEA WATER
 TEMPERATURE WAS CONTINUOUSLY MEASURED BY INFRARED SCANNER AND WEATHER
 CONDITIONS RECORDED AT FOURLY INTERVALS WHILE INFILIGHT.
 NAME DR. T.C. WELFORD
 PHONE NUMBER 202 426 4643
 INSTITUTION OR AGENCY DIRECTOR OF OCEANOGRAPHY, COAST GUARD OCEANOGRAPHIC
 UNIT
 STREET BLDG. 159-E, NAVAL YARD ANNEX
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20350

FILE NAME AIRBORNE RADIATION THERMOMETER FLIGHTS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., EASTERN COASTAL WATERS
 ABSTRACT MONTHLY AIRCRAFT FLIGHTS ALONG THE EASTERN UNITED
 STATES OFFSHORE WATERS CONTINUOUSLY MONITOR THE SEA SURFACE WATER TEMPERATURE
 BY INFRARED SCANNER, AND VISUALLY OBSERVE THE WEATHER CONDITIONS AT ONE HALF
 HOUR INTERVALS WHILE INFILIGHT.
 NAME DR. T.C. WELFORD
 PHONE NUMBER 202 426 4643
 INSTITUTION OR AGENCY DIRECTOR OF OCEANOGRAPHY, COAST GUARD OCEANOGRAPHIC
 UNIT
 STREET BLDG. 159-E, NAVAL YARD ANNEX
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20350

FILE NAME ALGAL PRODUCTIVITY AND SOME ASPECTS OF THE
 ECOLOGICAL PHYSIOLOGY OF THE EDAPHIC COMMUNITIES OF CANARY CREEK TIDAL MARSH
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, CANARY CREEK,
 COASTAL
 ABSTRACT GROSS ALGAL PRIMARY PRODUCTIVITY AND EDAPHIC
 COMMUNITY RESPIRATION ESTIMATES WERE MADE FOR FIVE AREAS OF CANARY CREEK TIDAL
 MARSH NEAR LEWES, DELAWARE. OXYGEN CHANGES IN WATER OVERLYING CORES OF THE
 MARSH INCUBATED IN THE LABORATORY WERE USED AS THE INDICATION OF METABOLIC
 ACTIVITY. ENVIRONMENTAL FACTORS OF LIGHT, TEMPERATURE, SALINITY, PH, NUTRIENT
 CONTENT OF SURFACE WATER AND THE NITROGEN AND PHOSPHOROUS CONTENT OF THE GRASS
 WERE MEASURED.

NAME LIBRARIAN
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19958

FILE NAME ALGAL PRODUCTIVITY AND SOME ASPECTS OF THE
 ECOLOGICAL PHYSIOLOGY OF THE EDAPHIC COMMUNITIES OF CANARY CREEK TIDAL MARSH
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY, CANARY
 CREEK
 ABSTRACT GROSS ALGAL PRIMARY PRODUCTIVITY AND EDAPHIC
 COMMUNITY RESPIRATION ESTIMATES WERE MADE FOR FIVE AREAS OF CANARY CREEK TIDAL
 MARSH NEAR LEWES, DELAWARE. OXYGEN CHANGES IN WATER OVERLYING CORES OF THE
 MARSH INCUBATED IN THE LABORATORY WERE USED AS THE INDICATION OF METABOLIC
 ACTIVITY. ENVIRONMENTAL FACTORS OF LIGHT, TEMPERATURE, SALINITY, PH, NUTRIENT
 CONTENT OF SURFACE WATER AND THE NITROGEN AND PHOSPHOROUS CONTENT OF THE GRASS
 WERE MEASURED.

NAME CHARLES LESSER
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DIVISION OF FISH AND WILDLIFE
 CITY DEVER
 STATE DELAWARE
 ZIP CODE 19501

FILE NAME AMOEBAE IN THE SURFACE WATERS OF CHINCOTEAGUE BAY
 VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHINCOTEAGUE BAY, VIRGINIA,
 COASTAL
 ABSTRACT DISTRIBUTION OF AMOEBAE IN THE SURFACE WATERS OF
 CHINCOTEAGUE BAY, VIRGINIA. SPECIES LIST PER SAMPLE SITE, TEMPERATURE,
 SALINITY, WIND SPEED FOR COLLECTIONS. MAINLY CULTURE AND SPECIES DESCRIPTIONS
 OF AMOEBAE.

NAME LIBRARIAN
 PHONE NUMBER 301 454 3011
 INSTITUTION OR AGENCY PCKELDIA LIBRARY
 STREET UNIVERSITY OF MARYLAND
 CITY COLLEGE PARK
 STATE MARYLAND
 ZIP CODE 20742

FILE NAME AN ASSESSMENT OF ECONOMIC AND ENVIRONMENTAL EFFECTS
 OF COMPLETED PL-566 CHANNEL MODIFICATION PROJECTS IN WORCESTER AND WICOMICO
 COUNTIES, MARYLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MARYLAND, WORCESTER AND
 WICOMICO COUNTIES
 ABSTRACT FROM SEPTEMBER 1974 THROUGH OCTOBER 1975 A FIELD
 STUDY OF THE WATER FLOW, WATER LEVEL, WATER QUALITY, AND INVERTEBRATE AND FISH
 POPULATIONS OF STREAMS AND OF THE TERRESTRIAL VEGETATION BORDERING STREAMS WAS
 CONDUCTED IN SEVEN WATERSHEDS IN WORCESTER AND WICOMICO COUNTIES, MARYLAND TO
 AID IN AN ENVIRONMENTAL AND ECONOMIC ASSESSMENT OF STREAM MODIFICATIONS WHICH
 HAD BEEN INSTALLED UNDER PROVISIONS OF THE WATERSHED PROTECTION AND FLOOD
 PREVENTION ACT. FINDINGS WERE PRESENTED IN THE COMPREHENSIVE ENVIRONMENTAL
 ASSESSMENT REPORT.

NAME SENIOR TECHNICAL ADVISOR
 PHONE NUMBER 201 627 5726
 INSTITUTION OR AGENCY ECOSCIENCES, INC.
 STREET 20 UNION STREET
 CITY ROCKAWAY
 STATE NEW JERSEY
 ZIP CODE 07866

FILE NAME AN ASSESSMENT OF THE LIMNOLOGICAL IMPACT OF THE
 PROPOSED ROUTE 18 EXTENSION AND OF AN ALTERNATIVE ALIGNMENT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, COASTAL, RARITAN
 RIVER BASIN
 ABSTRACT THIS STATEMENT IS A COMPREHENSIVE GENERAL
 ENVIRONMENTAL SURVEY OF THE RARITAN RIVER AND THE DELAWARE AND RARITAN CANAL.
 IT INCLUDES AN INVENTORY OF FAUNA AND FLORA, EXTENSIVE WATER QUALITY DATA,
 CONSIDERABLE INFORMATION IN FREE TEXT, AND A LARGE BIBLIOGRAPHY.
 NAME JAMES A. SCHMID
 PHONE NUMBER 215 647 3110
 INSTITUTION OR AGENCY JACK MCCORMICK AND ASSOCIATES
 STREET 860 WATERLOO RD.
 CITY DEVON
 STATE PENNSYLVANIA
 ZIP CODE 15333

FILE NAME AN ECOLOGICAL STUDY FOR THE FUTURE PUBLIC
 IMPROVEMENT OF THE BOROUGH OF RICHMOND (STATEN ISLAND)
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, BOROUGH OF
 RICHMOND, STATEN ISLAND
 ABSTRACT THIS FILE CONTAINS INFORMATION PERTINENT TO AN
 ECOLOGICAL BIOLOGICAL BASELINE INVENTORY OF STATEN ISLAND, RICHMOND BOROUGH,
 NEW YORK FOR FUTURE DEVELOPMENT PLANNING. COMPLETED IN 1968, THE SURVEY
 PRESENTS A TAXONOMIC LIST OF THE ORGANISMS PRESENT AND A MEASURE OF
 GROUNDWATER.
 NAME BARBARA SHENKLE
 PHONE NUMBER 215 564 2611
 INSTITUTION OR AGENCY WALLACE, MCHARG, ROBERTS AND TODD, INCORPORATED
 STREET 1737 CHESTNUT STREET
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19103

FILE NAME AN ECOLOGICAL STUDY OF THE ARTHUR KILL IN THE
 VICINITY OF THE LINDEN GENERATING STATION, LINDEN, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, UNION COUNTY
 ABSTRACT AN ECOLOGICAL STUDY OF THE ARTHUR KILL IN THE
 VICINITY OF THE LINDEN GENERATING STATION, LINDEN, NEW JERSEY WAS CONDUCTED
 FROM SEPTEMBER 1971 THROUGH DECEMBER 1973. SPATIAL AND TEMPORAL POPULATIONS
 AND DISTRIBUTIONS OF FISHES, ICTHYOPLANKTON, ZOOPLANKTON, AND BENTHIC ANIMALS
 WERE DETERMINED. MEASURED PARAMETERS OF WATER QUALITY INCLUDED TEMPERATURE,
 SALINITY, PH, DISSOLVED OXYGEN, AND SECCHI DISC DEPTH. ALSO ANALYZED WERE
 CONCENTRATIONS OF THE PLANT PIGMENTS CHLOROPHYLL A AND PHAEOPHYTIN.
 NAME GENERAL MANAGER-ENVIRONMENTAL AFFAIRS
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME AN ECOLOGICAL STUDY OF THE CHESAPEAKE AND DELAWARE
 CANAL IN THE VICINITY OF THE PROPOSED SUMMIT POWER STATION SITE, PLANKTONIC
 AND BENTHIC ORGANISMS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA,
 CHESAPEAKE AND DELAWARE CANAL
 ABSTRACT DATA COLLECTED DURING A STUDY OF THE DISTRIBUTIONS
 AND ABUNDANCE OF PHYTOPLANKTON, ZOOPLANKTON AND BENTHIC ORGANISMS IN THE
 VICINITY OF THE SUMMIT SITE ON THE CHESAPEAKE AND DELAWARE CANAL FROM JANUARY
 THROUGH DECEMBER 1973 ARE PRESENTED IN REPORT FORM. PHYTOPLANKTON SAMPLES WERE
 COLLECTED WITH A NON-METALIC, SUBMERSIBLE PUMP; ZOOPLANKTON SAMPLES WERE TAKEN
 WITH (1) A NON-METALIC, SUBMERSIBLE PUMP AND FILTERED THROUGH A 74 MICRON MESH
 NET AND (2) A 500 MICRON MESH PLANKTON NET; A 523 CM2 PONAR GRAB WAS USED TO
 COLLECT BENTHIC SAMPLES. MEASUREMENTS TAKEN OF THE FOLLOWING PHYSICAL/CHEMICAL
 PARAMETERS ARE INCLUDED: SALINITY, TEMPERATURE, DISSOLVED OXYGEN, PH,
 TURBIDITY, NITRATE-NITROGEN AND REACTIVE PHOSPHATE.
 NAME DIRECTOR
 PHONE NUMBER 302 429 3205
 INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT COMPANY
 STREET 800 KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19855

FILE NAME AN ECOLOGICAL STUDY OF THE CHESAPEAKE AND DELAWARE
CANAL IN THE VICINITY OF THE PROPOSED SUMMIT POWER STATION SITE, VOLUME 3:
TERRESTRIAL
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELMARVA PENINSULA, CHESAPEAKE
AND DELAWARE CANAL AREA

ABSTRACT DATA COLLECTED DURING A STUDY OF THE TERRESTRIAL
ECOLOGY OF THE SUMMIT SITE-AREA ADJACENT TO THE CHESAPEAKE AND DELAWARE CANAL
FROM MAY THROUGH DECEMBER 1973 IS PRESENTED IN REPORT FORM. SMALL MAMMAL
POPULATIONS WERE MONITORED BY CATCH PER UNIT EFFORT, BAG CENSUS, TAG AND
RECAPTURE AND ROAD KILL. AMPHIBIANS, REPTILES AND BIRDS WERE OBSERVED IN THEIR
NATURAL HABITAT. FLORAL STUDIES CONSISTED OF A QUALITATIVE SURVEY OF
HERBACEOUS AND AQUATIC PLANTS AND A QUANTITATIVE TREE STUDY.

NAME DIRECTOR
PHONE NUMBER 302 429 3205
INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT COMPANY
STREET 800 KING STREET
CITY WILMINGTON
STATE DELAWARE
ZIP CODE 19899

FILE NAME AN ECOLOGICAL STUDY OF THE CHESAPEAKE AND DELAWARE
CANAL IN THE VICINITY OF THE PROPOSED SUMMIT POWER STATION SITE, VOLUME 2:
ICHTHYOPLANKTON
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA,
CHESAPEAKE AND DELAWARE CANAL

ABSTRACT DATA COLLECTED DURING AN INTENSIFIED STUDY OF THE
VERTICAL AND HORIZONTAL DISTRIBUTIONS OF ICHTHYOPLANKTON IN THE CHESAPEAKE AND
DELAWARE CANAL FROM APRIL THROUGH DECEMBER 1973 ARE PRESENTED IN REPORT FORM.
ICHTHYOPLANKTON SAMPLES WERE TAKEN WITH 0.5 METER, 0.5MM MESH PLANKTON NETS.
MEASUREMENTS MADE OF THE FOLLOWING PHYSICOCHEMICAL PARAMETERS ARE INCLUDED:
SALINITY, CONDUCTIVITY, DISSOLVED OXYGEN, TEMPERATURE, PH AND SECCHI DEPTH.

NAME DIRECTOR
PHONE NUMBER 302 429 3205
INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT COMPANY
STREET 800 KING STREET
CITY WILMINGTON
STATE DELAWARE
ZIP CODE 19899

FILE NAME AN ECOLOGICAL STUDY OF THE CHESAPEAKE AND DELAWARE
CANAL IN THE VICINITY OF THE PROPOSED SUMMIT POWER STATION SITE, VOLUME 1:
FISHES
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA,
CHESAPEAKE AND DELAWARE CANAL

ABSTRACT DATA COLLECTED DURING A STUDY OF THE DISTRIBUTIONS,
ABUNDANCE, GROWTH RATES AND FOOD HABITS OF FISHES IN THE CHESAPEAKE AND
DELAWARE CANAL FROM JANUARY THROUGH DECEMBER 1973 ARE PRESENTED IN REPORT
FORM. FISH SAMPLES WERE TAKEN WITH TRAWL, SEINE AND GILLNET. MEASUREMENTS MADE
OF THE FOLLOWING PHYSICAL/CHEMICAL PARAMETERS ARE: SALINITY, CONDUCTIVITY,
DISSOLVED OXYGEN, TEMPERATURE, PH AND SECCHI DEPTH.

NAME DIRECTOR
PHONE NUMBER 302 429 3205
INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT COMPANY
STREET 800 KING STREET
CITY WILMINGTON
STATE DELAWARE
ZIP CODE 19899

FILE NAME AN ECOLOGICAL STUDY OF THE DELAWARE RIVER IN THE
VICINITY OF THE MERCER GENERATING STATION, TRENTON, NEW JERSEY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, MERCER COUNTY

ABSTRACT AN ECOLOGICAL STUDY OF THE DELAWARE RIVER IN THE
VICINITY OF THE MERCER GENERATING STATION, TRENTON, NEW JERSEY WAS CONDUCTED
FROM JUNE 1970 THROUGH OCTOBER 1973. SPATIAL AND TEMPORAL POPULATIONS AND
DISTRIBUTIONS OF FISHES, ICHTHYOPLANKTON, ZOOPLANKTON, AND BENTHIC ANIMALS
WERE DETERMINED. MEASURED PARAMETERS OF WATER QUALITY INCLUDED TEMPERATURE,
PH, DISSOLVED OXYGEN, AND SECCHI DISC DEPTH.

NAME GENERAL MANAGER-ENVIRONMENTAL AFFAIRS
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME AN ECOLOGICAL STUDY OF THE HACKENSACK RIVER IN THE
VICINITY OF THE KEARNY GENERATING STATION, KEARNY, NEW JERSEY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, HUDSON COUNTY
ABSTRACT AN ECOLOGICAL STUDY OF THE HACKENSACK RIVER IN THE
VICINITY OF THE KEARNY GENERATING STATION, KEARNY, NEW JERSEY WAS CONDUCTED
FROM SEPTEMBER 1971 THROUGH DECEMBER 1973. SPATIAL AND TEMPORAL POPULATIONS
AND DISTRIBUTIONS OF FISHES, ICTHYOPLANKTON, ZOOPLANKTON, AND BENTHIC ANIMALS
WERE DETERMINED. MEASURED PARAMETERS OF WATER QUALITY INCLUDED TEMPERATURE,
SALINITY, PH, DISSOLVED OXYGEN, AND SECCHI DISC DEPTH. ALSO ANALYZED WERE
CONCENTRATIONS OF THE PLANT PIGMENTS CHLOROPHYLL A AND PHAEOPHYTIN.

NAME GENERAL MANAGER-ENVIRONMENTAL AFFAIRS
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME AN ECOLOGICAL STUDY OF THE HACKENSACK RIVER IN THE
VICINITY OF THE HUDSON GENERATING STATION, JERSEY CITY, NEW JERSEY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, HUDSON COUNTY
ABSTRACT AN ECOLOGICAL STUDY OF THE HACKENSACK RIVER IN THE
VICINITY OF THE HUDSON GENERATING STATION, JERSEY CITY, NEW JERSEY WAS
CONDUCTED FROM SEPTEMBER 1971 THROUGH DECEMBER 1973. SPATIAL AND TEMPORAL
POPULATIONS AND DISTRIBUTIONS OF FISHES, ICTHYOPLANKTON, ZOOPLANKTON, AND
BENTHIC ANIMALS WERE DETERMINED. MEASURED PARAMETERS OF WATER QUALITY INCLUDED
TEMPERATURE, SALINITY, PH, DISSOLVED OXYGEN, AND SECCHI DISC DEPTH. ALSO
ANALYZED WERE CONCENTRATIONS OF THE PLANT PIGMENTS CHLOROPHYLL A AND
PHAEOPHYTIN.

NAME GENERAL MANAGER-ENVIRONMENTAL AFFAIRS
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME AN ECOLOGICAL STUDY OF THE JELLYFISH CHRYSAGRA
QUINQUECORNATA QUARTERLY REPORT 1 JANUARY THROUGH 31 MARCH 1969
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, YORK RIVER,
COASTAL, JAMES RIVER, RAPPAHANNOCK RIVER, EASTERN SHORE, POTOMAC RIVER,
MOBJACK BAY
ABSTRACT 38 STATIONS IN THE LOWER CHESAPEAKE BAY & ITS
TRIBUTARIES WERE SAMPLED BY ECTOP DREDGE FOR JELLYFISH POLYP & CYST
ABUNDANCE. 36 STATIONS WERE OBSERVED FOR MEDUSAE ABUNDANCE.

NAME DEXTER HAVEN
PHONE NUMBER 804-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester Point
STATE VIRGINIA
ZIP CODE 23062

FILE NAME AN ECOLOGICAL STUDY OF THE PASSAIC RIVER IN THE
VICINITY OF THE ESSEX GENERATING STATION, NEWARK, NEW JERSEY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, ESSEX COUNTY
ABSTRACT AN ECOLOGICAL STUDY OF THE PASSAIC RIVER IN THE
VICINITY OF THE ESSEX GENERATING STATION, NEWARK, NEW JERSEY, WAS CONDUCTED
FROM SEPTEMBER 1971 THROUGH DECEMBER 1973. SPATIAL AND TEMPORAL POPULATIONS
AND DISTRIBUTIONS OF FISHES, ICTHYOPLANKTON, ZOOPLANKTON, AND BENTHIC ANIMALS
WERE DETERMINED. MEASURED PARAMETERS OF WATER QUALITY INCLUDED TEMPERATURE,
SALINITY, PH, DISSOLVED OXYGEN, AND SECCHI DISC DEPTH. ALSO ANALYZED WERE
CONCENTRATIONS OF THE PLANT PIGMENTS CHLOROPHYLL A AND PHAEOPHYTIN.

NAME GENERAL MANAGER-ENVIRONMENTAL AFFAIRS
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME AN ECOLOGICAL SURVEY OF POTENTIAL SITES FOR A
 NUCLEAR GENERATING STATION ON DELAWARE BAY CHESAPEAKE BAY AND THE C AND D
 CANAL
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELMARVA
 PENINSULA, DELAWARE BAY
 ABSTRACT STUDIES OF THE FISHES FOUND IN THE VICINITY OF
 SEVERAL POTENTIAL SITES FOR NUCLEAR GENERATING STATIONS WERE INITIATED IN THE
 SPRING OF 1972. TRAWL, SEINE AND ICTHYOPLANKTON SAMPLES WERE TAKEN AT RED
 LICK (LOWER DELAWARE RIVER), CDESSA-SMYRNA AREA (UPPER DELAWARE BAY), BOWERS
 BEACH (DELAWARE BAY), CHESAPEAKE AND DELAWARE CANAL (BETWEEN U.S. RT. 13 AND
 THE PENN CENTRAL RAILROAD BRIDGE), CHESTER RIVER (AT THE CORSICA RIVER),
 CLAIBORNE (EASTERN CHESAPEAKE BAY), DENTON (CHOPTANK RIVER) AND VIENNA
 (NANTICKE RIVER). THIS REPORT IS BASED ON INFORMATION OBTAINED FROM 29 APRIL
 THROUGH 1 JUNE AND INCLUDES DATA FROM 76 ICTHYOPLANKTON TOWS, 65 TRAWL HAULS
 AND 46 SEINE COLLECTIONS. STUDIES OF THE TERRESTRIAL ECOLOGY OF FOUR POTENTIAL
 SITES FOR A NUCLEAR GENERATING STATION WERE INITIATED IN OCTOBER 1973. SITES
 INCLUDE THE SUMMIT, RED LICK, CDESSA-SMYRNA AND CLAIBORNE AREAS. STUDIES WERE
 LIMITED FOR THE MOST PART TO THE GATHERING OF QUALITATIVE DATA AND THIS REPORT
 CONSISTS MAINLY OF A GENERALECOLOGICAL DESCRIPTION OF EACH SITE. OBSERVATIONS
 AFTER JANUARY 1973 WERE CENTERED ON THE SUMMIT AND CDESSA-SMYRNA SITES. OTHER
 SITES WERE OBSERVED ON A LIMITED BASIS OR NOT AT ALL AFTER THIS DATE.

NAME HUDSON P. HOEN
 PHONE NUMBER 302 425 3494
 INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT COMPANY
 STREET 600 KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19695

FILE NAME AN EVALUATION OF INORGANIC PHOSPHATE CONCENTRATIONS
 OF CANARY CREEK MARSH
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, COASTAL, CANARY
 CREEK
 ABSTRACT THE INORGANIC PHOSPHATE CONCENTRATIONS OF CANARY
 CREEK MARSH WERE EVALUATED DURING VARYING SEASONAL AND TIDAL CONDITIONS.
 CANARY CREEK CONTRIBUTES INORGANIC PHOSPHATE TO THE DELAWARE BAY ON THE EBBING
 TIDE. MAXIMUM CONCENTRATIONS OCCURRED DURING JULY AND MINIMUM DURING JANUARY.

NAME INTERLIBRARY LCN
 PHONE NUMBER 302 738 2236
 INSTITUTION OR AGENCY MORRIS LIBRARY, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME AN EVALUATION OF INORGANIC PHOSPHATE CONCENTRATIONS
 OF CANARY CREEK MARSH
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY, CANARY
 CREEK
 ABSTRACT THE INORGANIC PHOSPHATE CONCENTRATIONS OF CANARY
 CREEK MARSH WERE EVALUATED DURING VARYING SEASONAL AND TIDAL CONDITIONS.
 CANARY CREEK CONTRIBUTES INORGANIC PHOSPHATE TO THE DELAWARE BAY ON THE EBBING
 TIDE. MAXIMUM CONCENTRATIONS OCCURRED DURING JULY AND MINIMUM CONCENTRATIONS
 OCCURRED DURING JANUARY.

NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 CITY DEVER
 STATE DELAWARE
 ZIP CODE 19501

FILE NAME AN EVALUATION OF THE DISTRIBUTION OF FISH
 POPULATIONS OF THE DELAWARE RIVER ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, COASTAL
 ABSTRACT SIXTY TRAWLS WERE MADE FROM AUGUST 25, 1966 TO
 JANUARY 3, 1967 TO DETERMINE THE DISTRIBUTION OF THE FISH POPULATIONS IN THE
 DELAWARE RIVER ESTUARY. THE RESULTS OF THE ANALYSIS OF THE DATA BY AN IBM 1620
 COMPUTER SHOW THAT THE DISTRIBUTION OF FISH IS MORE DEPENDENT UPON TEMPERATURE
 THAN ANY OTHER SINGLE FACTOR. COMPUTER RESULTS ALSO ALLOW THE FORMATION OF
 EQUATIONS BY WHICH SIZE AND NUMBERS OF ANY FISH CAUGHT MAY BE PREDICTED.

NAME LIBRARIAN
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY MARINE STATION LIBRARY UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19956

FILE NAME AN EVALUATION OF THE TOTAL PHOSPHORUS
CONCENTRATIONS IN THE WATERS OF TWO SOUTHERN DELAWARE SALT MARSHES
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, CANARY
CREEK, MURDERKILL CREEK

ABSTRACT THE STUDY WAS UNDERTAKEN TO EXAMINE THE
DISTRIBUTION OF TOTAL PHOSPHORUS AND ITS THREE MAJOR COMPONENTS, PARTICULATE
PHOSPHORUS, DISSOLVED ORGANIC PHOSPHORUS, DISSOLVED INORGANIC PHOSPHORUS, OVER
A 13 MONTH PERIOD IN TWO MARSHES IN RELATION TO SEASON ENVIRONMENTAL FLUX, AND
TOPOGRAPHY. THE DATA GATHERED IS INCLUDED IN AN UNPUBLISHED M.S. THESIS
LOCATED IN THE UNIVERSITY OF DELAWARE LIBRARY.

NAME LIBRARIAN
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY MORRIS LIBRARY
STREET UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME AN EVALUATION OF THE TOTAL PHOSPHORUS CONCENTRATION
IN THE WATERS OF TWO SOUTHERN DELAWARE SALT MARSHES
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE, CANARY CREEK MARSH,
MURDERKILL MARSH, COASTAL

ABSTRACT THE SEASONAL FLUCTUATION OF TOTAL PHOSPHORUS,
PARTICULATE PHOSPHORUS, DISSOLVED ORGANIC PHOSPHORUS AND DISSOLVED INORGANIC
PHOSPHORUS HAS BEEN MEASURED IN THE WATERS OF TWO SOUTHERN DELAWARE SALT
MARSHES OVER A THIRTEEN MONTH INTERVAL. COLLECTIONS WERE MADE MONTHLY AT EACH
OF FOURTEEN STATIONS AND WATER SAMPLES TAKEN ON CONSECUTIVE HIGH AND LOW SLACK
WATER PERIODS. WATER SAMPLES WERE ANALYZED FOR PHOSPHORUS, PH AND SALINITY
ALONG WITH DIRECT DETERMINATION OF WATER AND AIR TEMPERATURE. THE FOURTEEN
STATIONS IN THE TWO MARSHES WERE GROUPED INTO NINE AREAS WHICH INCLUDED: TIDAL
CREEK, DITCHED MARSH, HIGH LEVEL IMPOUNDMENT, RIVER, LOW LEVEL IMPOUNDMENT,
NEW CHAMPAGNE POOL, OLD CHAMPAGNE POOL, SMALL NATURAL MARSH GUT AND LARGE
NATURAL MARSH GUT. THE PHOSPHORUS DISTRIBUTION COULD THEN BE EVALUATED IN ITS
RELATION TO SEASON OF THE YEAR, ENVIRONMENTAL FLUX AND TOPOGRAPHY.

NAME LIBRARIAN
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE MARINE STATION LIBRARY
CITY LEWES
STATE DELAWARE
ZIP CODE 19556

FILE NAME AN EVALUATION OF THE TOTAL PHOSPHORUS CONCENTRATION
IN THE WATERS OF TWO SOUTHERN DELAWARE SALT MARSHES
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE, CANARY
CREEK MARSH, MURDERKILL MARSH

ABSTRACT THE SEASONAL FLUCTUATION OF TOTAL PHOSPHORUS,
PARTICULATE PHOSPHORUS, DISSOLVED ORGANIC PHOSPHORUS AND DISSOLVED INORGANIC
PHOSPHORUS HAS BEEN MEASURED IN THE WATERS OF TWO SOUTHERN DELAWARE SALT
MARSHES OVER A THIRTEEN MONTH INTERVAL. COLLECTIONS WERE MADE MONTHLY AT EACH
OF FOURTEEN STATIONS AND WATER SAMPLES TAKEN ON CONSECUTIVE HIGH AND LOW SLACK
WATER PERIODS. WATER SAMPLES WERE ANALYZED FOR PHOSPHORUS, PH AND SALINITY
ALONG WITH DIRECT DETERMINATION OF WATER AND AIR TEMPERATURES. THE FOURTEEN
STATIONS IN THE TWO MARSHES WERE GROUPED INTO NINE AREAS WHICH INCLUDED: TIDAL
CREEK, DITCHED MARSH, HIGH LEVEL IMPOUNDMENT, RIVER, LOW LEVEL IMPOUNDMENT,
NEW CHAMPAGNE POOL, OLD CHAMPAGNE POOL, SMALL NATURAL MARSH GUT AND LARGE
NATURAL MARSH GUT. THE PHOSPHORUS DISTRIBUTION COULD THEN BE EVALUATED IN ITS
RELATION TO SEASON OF THE YEAR, ENVIRONMENTAL FLUX AND TOPOGRAPHY.

NAME JOHN C. BRYSON
PHONE NUMBER 302 678 4403
INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
ENVIRONMENTAL CONTROL
CITY DOVER
STATE DELAWARE
ZIP CODE 19901

FILE NAME ANACREONUS FISHES
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., COASTAL, NORTH
CAROLINA, VIRGINIA

ABSTRACT CATCH RECORDS FROM 26 STATIONS AS WELL AS
FECUNDITY, LENGTH-WEIGHT, AGE-GROWTH, MORTALITY, MIGRATION, STOMACH CONTENT
ANALYSES, LENGTH-FREQUENCY, AND FOREIGN FLEET EXPLOITATION INFORMATION ARE
AVAILABLE.

NAME B F HOLLAND JR AND ALLYN B POWELL
PHONE NUMBER 919-726-7021 X237
INSTITUTION OR AGENCY NORTH CAROLINA, DIVISION OF COMMERCIAL AND SPORTS
FISHERIES
STREET P O BOX 769
CITY MOREHEAD CITY
STATE NORTH CAROLINA
ZIP CODE 28557

FILE NAME ANALYSIS OF COASTAL NORTH CAROLINA WEATHER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT AN ON-GOING STUDY OF SOME ASPECTS OF NORTH CAROLINA
 COASTAL METEOROLOGY IS BEING CONDUCTED. STUDY INCLUDES AIR TEMPERATURE, WIND
 SPEED, WIND DIRECTION, AIR PRESSURE, AND RELATIVE HUMIDITY.
 NAME DR. C.E. KACHLES
 PHONE NUMBER 919 737 2212
 INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
 STREET DEPARTMENT OF GEOSCIENCES
 CITY RALEIGH
 STATE NORTH CAROLINA
 ZIP CODE 27607

FILE NAME ANALYSIS OF OPERATION "ICES" BENTHIC INVERTEBRATE
 SAMPLES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, CONTINENTAL SHELF, U.S., MIDDLE
 ATLANTIC BIGHT, CHESAPEAKE BIGHT, INTERIM OCEAN DUMPSITE
 ABSTRACT BENTHIC MACROINVERTEBRATE DATA COLLECTED WITH A
 SHIPK CRAE (0.04M²) DURING AN OCEAN DUMPING MONITORING CRUISE IN THE
 MID-ATLANTIC SHELF WATERS, OPERATION "ICES" IN MARCH 1974 ARE PRESENTED IN
 REPORT FORM. THE STRUCTURE OF THE BENTHIC COMMUNITY AS SAMPLED IN MARCH 1974
 IS COMPARED TO THE COMMUNITY STRUCTURES OBSERVED DURING TWO PREVIOUS CRUISES
 TO THE DUMPSITE, OPERATION QUICKSILVER IN MAY 1973 AND OPERATION FETCH IN
 NOVEMBER 1973. THE COMPLETE DATA FILES FOR CRUISES QUICKSILVER AND FETCH ARE
 PRESENTED IN EPA REPORTS NO. 503/9-73-OCL-A, REGION III, PHILADELPHIA AND
 NCNO. 503/5-74-CICA, REGION III, PHILADELPHIA, RESPECTIVELY.
 NAME LES WATLING
 PHONE NUMBER 302 445 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANALYSIS OF POPULATION SIZE AND MIGRATORY BEHAVIOR
 OF THE ALCSA SPECIES, 1968 TO 1970
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND,
 COASTAL, SUSQUEHANNA RIVER
 ABSTRACT HOURLY COUNTS OF ANACROCRUS FISH PASSING TWO POINTS
 IN TRIJUNCTIONS OF SUSQUEHANNA RIVER. SPECIES COMPOSITION DURING SPAWNING
 SEASON, APRIL TO JUNE 10, 1968 THROUGH 1970. TAG RELEASE AND RECAPTURE DATA
 FOR AMERICAN SHAD, HICKORY SHAD, ALEWIFE, AND BLUEBACK HERRING.
 NAME W.R. CARTER
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAKES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME ANALYSIS OF SHORT- AND LONG-TERM ELEMENTS OF COASTAL
 CHANGE IN A SIMPLE SPIT SYSTEM: CAPE HENLOPEN, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, CAPE HENLOPEN BEACH
 ABSTRACT DATA ON BEACH PROCESS VARIABLES AND BEACH FACE
 RESPONSES OBTAINED OVER A 15 MONTH PERIOD, FROM JUNE, 1972 TO AUGUST, 1973,
 FROM 2 LOCATIONS ON CAPE HENLOPEN BEACH, DELAWARE ARE PRESENTED AND ANALYZED
 TO DETERMINE THE FACTORS GOVERNING THE PROCESSES AND RATES OF COASTAL CHANGE
 OF CAPE HENLOPEN. DATA INCLUDE WAVE PERIOD, HEIGHT AND DIRECTION; LONGSHORE
 CURRENT SPEED AND DIRECTION; WIND SPEED AND DIRECTION; BEACH PROFILES; AND
 SIZE AND COMPOSITION ANALYSIS OF SEDIMENT OF THE AREA. HISTORIC MAPS ARE ALSO
 ANALYZED TO ESTABLISH EROSION AND ACCRETION RATES OVER THE PAST 2 CENTURIES
 AND TO RELATE THE MOVEMENT OF THE COASTLINE DURING THAT TIME TO PRESENT RATES
 OF CHANGE OF THE CAPE HENLOPEN COAST.

NAME EVELYN M. MAURMEYER
 PHONE NUMBER 302 73E 2569
 INSTITUTION OR AGENCY GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME ANALYSIS OF VEGETATION, WILDLIFE AND LIMNOLOGY OF
 THE CHEVRON STUDY REGION AT PERTH AMBOY, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, PERTH AMBOY,
 COASTAL
 ABSTRACT THIS REPORT DISCUSSES THE WATER QUALITY OF THE
 ARTHUR KILL IN PERTH AMBOY, NEW JERSEY. ANALYSES WERE DONE FOR MOST METALS,
 NUTRIENTS, SOME PESTICIDES, PHYSICAL PARAMETERS, WILDLIFE INVENTORIES, AND
 MICROORGANISMS. THE DATA ON COLIFORM POPULATIONS WERE COLLECTED BY THE U.S.
 ENVIRONMENTAL PROTECTION AGENCY. WILDLIFE, VEGETATION, AND FISH ARE DISCUSSED
 IN TEXT, ACCOMPANIED BY SPECIES LISTS.

NAME DR. JAMES A. SCHMID
 PHONE NUMBER 215 647 3110
 INSTITUTION OR AGENCY JACK MCCORMICK AND ASSOCIATES
 STREET 660 WATERLOO RD.
 CITY DEVON
 STATE PENNSYLVANIA
 ZIP CODE 15323

FILE NAME ANALYSIS OF VEGETATION, WILDLIFE AND LIMNOLOGY OF
CHEVRON STUDY REGION AT PERTH AMBOY, NEW JERSEY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, PERTH
AMBOY

ABSTRACT THIS FILE CONTAINS ENVIRONMENTAL BASELINE SURVEY
INFORMATION PURSUANT TO PROPOSED EXPANSION OF THE CHEVRON REFINERY TANK FARM
FACILITIES IN PERTH AMBOY, NEW JERSEY. THE PARAMETERS MEASURED DURING SINGLE
SURVEYS IN 1972 AND 1973 INCLUDE: 20 TRACE AND HEAVY METALS, VOLATILE SOLIDS,
TOTAL KJELDAHL NITROGEN, OIL AND GREASE, CHEMICAL OXYGEN DEMAND, BIRD COUNTS
AND SPECIES, VEGETATION TYPE AND COVER, AND A LISTING OF FISH PRESENT IN
WATERS NEAR THE SITE.

NAME JACK MC CORMICK
PHONE NUMBER 215 647 9000
INSTITUTION OR AGENCY JACK MC CORMICK AND ASSOCIATES, INC.
STREET 511 OLD LANCASTER ROAD
CITY BERWYN
STATE PENNSYLVANIA
ZIP CODE 19312

FILE NAME ANNUAL ANGIOSPERM PRODUCTION ON A SALT MARSH
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, CANARY CREEK
MARSH, COASTAL

ABSTRACT QUANTITATIVE MEASUREMENTS WERE MADE IN SELECTED
AREAS ON THE CANARY CREEK SALT MARSH TO DETERMINE THE QUANTITY OF ANGIOSPERM
PLANT MATERIAL PRODUCED DURING THE 1960 GROWING SEASON. PRODUCTION WAS
MEASURED BY THE CLIP QUADRANT METHOD. PRELIMINARY ANALYSIS DEMONSTRATED THAT
24 HALF SQUARE METER SAMPLES WERE ADEQUATE FOR EACH SAMPLING DATE. NET
PRODUCTION IS REPRESENTED AS THE SUM OF THE AMOUNT OF LIVING MATERIAL PRESENT
AT THE END OF THE GROWING SEASON AND THE INCREASE IN DEAD MATERIAL DURING THE
GROWING SEASON. THE MARSH WAS FOUND TO PRODUCE 445 GRAMS AT A RATE OF 5.32
GRAMS PER DAY OF DRY WEIGHT PER SQUARE METER. PRODUCTION WAS FOUND TO VARY
OVER THE SURFACE OF THE MARSH AND WAS ASSOCIATED WITH DRAINAGE CONDITIONS.

NAME LIBRARIAN
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
CITY LEWES
STATE DELAWARE
ZIP CODE 19958

FILE NAME ANNUAL ANGIOSPERM PRODUCTION ON A SALT MARSH
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, LEWES, CANARY CREEK
MARSH, COASTAL

ABSTRACT QUANTITATIVE MEASUREMENTS WERE MADE IN SELECTED
AREAS ON THE CANARY CREEK SALT MARSH TO DETERMINE THE QUANTITY OF ANGIOSPERM
PLANT MATERIAL PRODUCED DURING THE 1960 GROWING SEASON. THE MARSH WAS FOUND TO
PRODUCE 445 GRAMS AT A RATE OF 5.32 GRAMS PER DAY OF DRY WEIGHT PER SQUARE
METER.

NAME INTERLIBRARY LOAN
PHONE NUMBER 302 738 2236
INSTITUTION OR AGENCY MORRIS LIBRARY, UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME ANNUAL PROGRESS REPORT-SHELLFISH RESEARCH
1970-1971-HARD CLAMS IN INDIAN RIVER AND REHOBOTH BAYS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE, REHOBOTH
BAY BETWEEN MASSEY DITCH AND TOWNSEND ISLAND

ABSTRACT ENVIRONMENTAL DATA COLLECTED ON COMMERCIALY
VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS DURING THE YEAR 1970-1971,
ARE PRESENTED IN REPORT FORM. SIZE-FREQUENCY DISTRIBUTIONS, MORTALITIES AND
POPULATION DENSITIES FOR THE HARD CLAM IN INDIAN RIVER AND REHOBOTH BAYS ARE
DISCUSSED. RECRUITMENT, SEXUAL MATURITY, SEX RATIOS AND LINEAR-GRAVIMETRIC
RELATIONSHIPS FOR THE HARD CLAM ARE ALSO INCLUDED.

NAME JOHN C. BRYSON
PHONE NUMBER 302 678 4403
INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL
CONTROL
CITY DOVER
STATE DELAWARE
ZIP CODE 19901

FILE NAME ANNUAL PROGRESS REPORT-SHELLFISH RESEARCH
 1970-1971-BLUE CRAB IN INDIAN RIVER AND REHOBOTH BAYS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE, INDIAN
 RIVER BAY, REHOBOTH BAY
 ABSTRACT ENVIRONMENTAL DATA COLLECTED ON COMMERCIALY
 VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS DURING THE YEAR 1970-1971,
 ARE PRESENTED IN REPORT FORM. SIZE-FREQUENCY DISTRIBUTIONS, MORTALITIES, SEX
 RATIOS AND POPULATION DENSITIES FOR THE BLUE CRAB IN INDIAN RIVER AND REHOBOTH
 BAYS ARE DISCUSSED.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL
 CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL PROGRESS REPORT-SHELLFISH RESEARCH
 1970-1971-CYSTER SPAT MONITORING
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY AND
 TIDAL RIVERS
 ABSTRACT ENVIRONMENTAL DATA COLLECTED ON COMMERCIALY
 VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS DURING THE YEAR 1970-1971,
 ARE PRESENTED IN REPORT FORM. CYSTER SPAT MONITORING RESULTS ARE PRESENTED.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL
 CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL PROGRESS REPORT-SHELLFISH RESEARCH
 1970-1971-CYSTER BED STUDY IN DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, UPPER DELAWARE BAY
 ABSTRACT ENVIRONMENTAL DATA COLLECTED ON COMMERCIALY
 VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS DURING THE YEAR 1970-1971 ARE
 PRESENTED IN REPORT FORM. CYSTER SPAT MONITORING RESULTS AND POPULATION
 CHARACTERISTICS OF DELAWARE BAY CYSTER BEDS ARE PRESENTED.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL
 CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL PROGRESS REPORT-SHELLFISH RESEARCH
 1970-1971-HARD CLAMS IN INDIAN RIVER AND REHOBOTH BAYS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, REHOBOTH
 BAY BETWEEN MASSEY DITCH AND TOWNESEAD ISLAND
 ABSTRACT ENVIRONMENTAL DATA COLLECTED ON COMMERCIALY
 VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS DURING THE YEAR 1970-1971,
 ARE PRESENTED IN REPORT FORM. SIZE-FREQUENCY DISTRIBUTIONS, MORTALITIES AND
 POPULATION DENSITIES FOR THE HARD CLAM IN INDIAN RIVER AND REHOBOTH BAYS ARE
 DISCUSSED. RECRUITMENT, SEXUAL MATURITY, SEX RATIOS AND LINEAR-GRAVIMETRIC
 RELATIONSHIPS FOR THE HARD CLAM ARE ALSO INCLUDED.
 NAME CHARLES EPIFANIC
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19956

FILE NAME ANNUAL PROGRESS REPORT-SHELLFISH RESEARCH
 1970-1971-BLUE CRAB IN INDIAN RIVER AND REHOBOTH BAYS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, INDIAN
 RIVER AND REHOBOTH BAYS
 ABSTRACT ENVIRONMENTAL DATA COLLECTED ON COMMERCIALY
 VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS DURING THE YEAR 1970-1971,
 ARE PRESENTED IN REPORT FORM. SIZE-FREQUENCY DISTRIBUTIONS, MORTALITIES,
 POPULATION DENSITIES AND SEX RATIOS FOR THE BLUE CRAB IN INDIAN RIVER AND
 REHOBOTH BAYS ARE DISCUSSED.
 NAME DON MAURER
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19956

FILE NAME ANNUAL PROGRESS REPORT-SHELLFISH RESEARCH
 1970-1971-CYSTER SPAT MONITORING
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY AND
 TIDAL RIVERS
 ABSTRACT ENVIRONMENTAL DATA COLLECTED ON COMMERCIALY
 VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS DURING THE YEAR 1970-1971,
 ARE PRESENTED IN REPORT FORM. CYSTER SPAT MONITORING RESULTS ARE PRESENTED.
 NAME DON MAURER
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19956

FILE NAME ANNUAL PROGRESS REPORT-SHELLFISH RESEARCH
 1970-1971-OYSTER BED STUDY IN DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., UPPER DELAWARE BAY
 ABSTRACT ENVIRONMENTAL DATA COLLECTED ON COMMERCIALY
 VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS DURING THE YEAR 1970-1971,
 ARE PRESENTED IN REPORT FORM. OYSTER SPAT MONITORING RESULTS AND POPULATION
 CHARACTERISTICS OF DELAWARE BAY OYSTER BEDS ARE PRESENTED.
 NAME DON WALRER
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1971-1972 MARINE INVERTEBRATE
 RESOURCES - OYSTER SPAT MONITORING
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY AND
 TIDAL RIVERS
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES OYSTER SPAT MONITORING.
 EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS AND DENSITIES.
 NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1971-1972 MARINE INVERTEBRATE
 RESOURCES - OYSTER BED MONITORING
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., UPPER DELAWARE BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES OYSTER BED MONITORING.
 EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS, DENSITIES, AND
 SIZE-FREQUENCY DISTRIBUTIONS 3 SIZE CLASSES: FIRST YEAR CLASS-LESS THAN 2 CM,
 SECOND AND THIRD YEAR CLASS-2 CM TO 59 CM, THIRD YEAR AND OLDER CLASS-6 CM TO
 15 CM; ALL INDIVIDUALS IN FIRST YEAR CLASS COUNTED AND MEASURED, 100
 MEASUREMENTS TAKEN OF OYSTERS FALLING IN OTHER TWO CLASSES.
 NAME RICHARD KECK
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 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1971-1972 MARINE INVERTEBRATE
 RESOURCES HARD CLAM SURVEY IN INDIAN RIVER BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, INDIAN
 RIVER BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES A HARD CLAM SURVEY IN INDIAN
 RIVER BAY. EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS, DENSITIES,
 SIZE-FREQUENCY DISTRIBUTIONS AND MALE-FEMALE RATIOS.
 NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1971-1972 MARINE INVERTEBRATE
 RESOURCES-HARD CLAM PLANTING IN REHOBOTH BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, REHOBOTH
 BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES HARD CLAM PLANTING EXPERIMENTS
 IN REHOBOTH BAY. EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS, DENSITIES
 AND PERCENT SURVIVAL 3 MONTHS AFTER PLANTING.
 NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1971-1972 MARINE INVERTEBRATE
 RESOURCES SURF CLAM EXPLORATORY SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES A SURF CLAM EXPLORATORY SURVEY
 OFFSHORE. EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS, DENSITIES,
 SIZE-FREQUENCY DISTRIBUTIONS.
 NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
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 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1971-1972 MARINE INVERTEBRATE
 RESOURCES - BLUE CRAB IN INDIAN RIVER BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, INDIAN
 RIVER BAY AND TRIBUTARIES
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES BLUE CRAB RESEARCH IN INDIAN
 RIVER BAY. EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS, DENSITIES,
 SIZE-FREQUENCY DISTRIBUTIONS AND MALE-FEMALE RATIOS.
 NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1971-1972 MARINE INVERTEBRATE
 RESOURCES LOBSTER RESEARCH
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, HARBOR
 OF REFUGE BREAKWATER
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES LOBSTER RESEARCH ON THE HARBOR
 OF REFUGE BREAKWATER. EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS,
 DENSITIES, SIZE-FREQUENCY DISTRIBUTIONS AND MALE-FEMALE RATIOS.
 NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1971-1972 MARINE INVERTEBRATE
 RESOURCES - BLUE CRAB IN LITTLE ASSAWOMAN BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, LITTLE
 ASSAWOMAN BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES A GENERAL SURVEY OF THE BLUE
 CRAB IN LITTLE ASSAWOMAN BAY. EMPHASIS IS PLACED ON POPULATION
 CHARACTERISTICS, DENSITIES, SIZE-FREQUENCY DISTRIBUTION AND MALE-FEMALE RATIOS.
 NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1971-1972. MARINE INVERTEBRATE
 RESOURCES-CYSTER SPAT MONITORING
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY, TIDAL
 RIVERS
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES CYSTER SPAT MONITORING.
 EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS AND DENSITIES.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1971-1972. MARINE INVERTEBRATE
 RESOURCES-CYSTER BED MONITORING
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, UPPER DELAWARE BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES CYSTER BED MONITORING.
 EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS, DENSITIES AND SIZE-FREQUENCY
 DISTRIBUTIONS. 3 SIZE CLASSES: FIRST YEAR CLASS-LESS THAN 2 CM, SECOND AND
 THIRD CLASS-2 CM TO 5.9 CM, THIRD YEAR AND OLDER CLASS-6 CM TO 15 CM; ALL
 INDIVIDUALS IN FIRST YEAR CLASS COUNTED AND MEASURED, 100 MEASUREMENTS TAKEN
 OF CYSTERS FALLING IN OTHER TWO CLASSES.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1971-1972. MARINE INVERTEBRATE
 RESOURCES--HARD CLAM SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE, INDIAN
 RIVER BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES A HARD CLAM SURVEY IN INDIAN
 RIVER BAY. EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS, DENSITIES,
 SIZE-FREQUENCY DISTRIBUTIONS AND MALE-FEMALE RATIOS.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1971-1972. MARINE INVERTEBRATE
 RESOURCES--HARD CLAM PLANTING IN REHOBOTH BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE, REHOBOTH
 BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES HARD CLAM PLANTING EXPERIMENTS
 IN REHOBOTH BAY. EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS, DENSITIES
 AND PERCENT SURVIVAL 3 MONTHS AFTER PLANTING.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1971-1972. MARINE INVERTEBRATE
 RESOURCES--BLUE CRAB IN INDIAN RIVER BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE, INDIAN
 RIVER BAY AND TRIBUTARIES
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES BLUE CRAB RESEARCH IN INDIAN
 RIVER BAY. EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS, DENSITIES,
 SIZE-FREQUENCY DISTRIBUTIONS AND MALE-FEMALE RATIOS.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1971-1972. MARINE INVERTEBRATE
 RESOURCES--SURF CLAM EXPLORATORY SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES A SURF CLAM EXPLORATORY SURVEY
 OFFSHORE. EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS, DENSITIES AND
 SIZE-FREQUENCY DISTRIBUTIONS.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1971-1972. MARINE INVERTEBRATE
 RESOURCES-LOBSTER RESEARCH
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY, HARBOR
 OF REFUGE BREAKWATER
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES LOBSTER RESEARCH ON THE HARBOR
 OF REFUGE BREAKWATER. EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS,
 DENSITIES, SIZE-FREQUENCY DISTRIBUTIONS AND MALE-FEMALE RATIOS.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CENTRAL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1971-1972. MARINE INVERTEBRATE
 RESOURCES-BLUE CRAB IN LITTLE ASSAWOMAN BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE, LITTLE
 ASSAWOMAN BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1971-1972 ON COMMERCIALY VALUABLE MARINE INVERTEBRATES IN DELAWARE WATERS ARE
 PRESENTED IN REPORT FORM. THE RESEARCH INCLUDES A GENERAL SURVEY OF THE BLUE
 CRAB IN LITTLE ASSAWOMAN BAY. EMPHASIS IS PLACED ON POPULATION
 CHARACTERISTICS, DENSITIES, SIZE-FREQUENCY DISTRIBUTIONS AND MALE-FEMALE
 RATIOS.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CENTRAL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1972-1973 MARINE INVERTEBRATE
 RESOURCES-CYSTER STUDIES IN DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY, TIDAL
 RIVERS
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1972-1973 ON MARINE INVERTEBRATES IN DELAWARE WATERS ARE PRESENTED IN REPORT
 FORM. THE RESEARCH INCLUDES CYSTER SPAT MONITORING AND OYSTER STUDIES IN
 DELAWARE BAY. AN EMPHASIS IS PLACED ON DENSITY DETERMINATIONS OF ADULTS AND
 SPAT.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL
 CENTRAL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1972-1973 MARINE INVERTEBRATE
 RESOURCES-CYSTER SPAT MONITORING
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, UPPER DELAWARE BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1972-1973 ON MARINE INVERTEBRATES IN DELAWARE WATERS ARE PRESENTED IN REPORT
 FORM. THE RESEARCH INCLUDES CYSTER SPAT MONITORING. EMPHASIS IS PLACED ON
 POPULATION CHARACTERISTICS SUCH AS SETTLING DENSITY AND SURVIVAL AFTER 11
 MONTHS.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL
 CENTRAL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1972-1973 MARINE INVERTEBRATE
 RESOURCES-HARD CLAM STUDY IN REHOBOTH BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE, REHOBOTH
 BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1972-1973 ON MARINE INVERTEBRATES IN DELAWARE WATERS ARE PRESENTED IN REPORT
 FORM. THE RESEARCH INCLUDES A HARD CLAM PLANTING STUDY IN REHOBOTH BAY.
 EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS SUCH AS DENSITY,
 SIZE-FREQUENCY DISTRIBUTIONS AND PERCENT SURVIVAL OF PLANTINGS OF THE MARINE
 INVERTEBRATES.

NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL
 CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1972-1973 MARINE INVERTEBRATE
 RESOURCES-BLUE CRAB SURVEY IN INDIAN RIVER BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE, INDIAN
 RIVER BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1972-1973 ON MARINE INVERTEBRATES IN DELAWARE WATERS ARE PRESENTED IN REPORT
 FORM. THE RESEARCH INCLUDES A BLUE CRAB SURVEY IN INDIAN RIVER BAY. EMPHASIS
 IS PLACED ON POPULATION CHARACTERISTICS SUCH AS DENSITY, SIZE-FREQUENCY
 DISTRIBUTIONS AND MALE-FEMALE RATIOS OF THE MARINE INVERTEBRATES.

NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL
 CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1972-1973 MARINE INVERTEBRATE
 RESOURCES-BLUE CRAB SURVEY IN PORT MAHON AND SIMONS RIVER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY, PORT
 MAHON AND SIMONS RIVERS
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1972-1973 ON MARINE INVERTEBRATES IN DELAWARE WATERS ARE PRESENTED IN REPORT
 FORM. THE RESEARCH INCLUDES A BLUE CRAB SURVEY IN PORT MAHON AND SIMONS RIVER.
 EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS SUCH AS DENSITY,
 SIZE-FREQUENCY DISTRIBUTIONS, MALE-FEMALE RATIOS AND METHODS OF RECRUITING
 POPULATIONS OF MARINE INVERTEBRATES.

NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL
 CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1972-1973 MARINE INVERTEBRATE
 RESOURCES-LOBSTER SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, LOWER DELAWARE BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1972-1973 ON MARINE INVERTEBRATES IN DELAWARE WATERS ARE PRESENTED IN REPORT
 FORM. THE RESEARCH INCLUDES A LOBSTER SURVEY AROUND THE MOUTH OF DELAWARE BAY.
 EMPHASIS IS PLACED ON DENSITY OF THE MARINE INVERTEBRATES.

NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL
 CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ANNUAL REPORT 1972-1973 MARINE INVERTEBRATE
 RESOURCES-CYSTER STUDIES IN DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY AND
 TICAL RIVERS
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1972-1973 ON MARINE INVERTEBRATES IN DELAWARE WATERS ARE PRESENTED IN REPORT
 FORM. THE RESEARCH INCLUDES CYSTER SPAT MONITORING AND CYSTER STUDIES IN
 DELAWARE BAY. AN EMPHASIS IS PLACED ON DENSITY DETERMINATIONS OF ADULTS AND
 SPAT.

NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19956

FILE NAME ANNUAL REPORT 1972-1973 MARINE INVERTEBRATE
 RESOURCES-CYSTER SPAT MONITORING
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., UPPER DELAWARE BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1972-1973 ON MARINE INVERTEBRATES IN DELAWARE WATERS ARE PRESENTED IN REPORT
 FORM. THE RESEARCH INCLUDES CYSTER SPAT MONITORING. EMPHASIS IS PLACED ON
 POPULATION CHARACTERISTICS SUCH AS SETTING DENSITY AND SURVIVAL AFTER 11
 MONTHS.
 NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1972-1973 MARINE INVERTEBRATE
 RESOURCES-HARD CLAM STUDY IN REHOBOTH BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, REHOBOTH
 BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1972-1973 ON MARINE INVERTEBRATES IN DELAWARE WATERS ARE PRESENTED IN REPORT
 FORM. THE RESEARCH INCLUDES A HARD CLAM PLANTING STUDY IN REHOBOTH BAY.
 EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS SUCH AS DENSITY,
 SIZE-FREQUENCY DISTRIBUTIONS AND PERCENT SURVIVAL OF PLANTINGS OF THE MARINE
 INVERTEBRATES.
 NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1972-1973 MARINE INVERTEBRATE
 RESOURCES-ELLE CRAB SURVEY IN INDIAN RIVER BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, INDIAN
 RIVER BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1972-1973 ON MARINE INVERTEBRATES IN DELAWARE WATERS ARE PRESENTED IN REPORT
 FORM. THE RESEARCH INCLUDES A ELLE CRAB SURVEY IN INDIAN RIVER BAY. EMPHASIS
 IS PLACED ON POPULATION CHARACTERISTICS SUCH AS DENSITY, SIZE-FREQUENCY
 DISTRIBUTIONS, AND MALE-FEMALE RATIOS OF THE MARINE INVERTEBRATES.
 NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1972-1973 MARINE INVERTEBRATE
 RESOURCES-BLUE CRAB SURVEY IN PORT MAHON AND SIMONS RIVER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, PORT
 MAHON AND SIMONS RIVERS
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1972-1973 ON MARINE INVERTEBRATES IN DELAWARE WATERS ARE PRESENTED IN REPORT
 FORM. THE RESEARCH INCLUDES A BLUE CRAB SURVEY IN PORT MAHON AND SIMONS RIVER.
 EMPHASIS IS PLACED ON POPULATION CHARACTERISTICS SUCH AS DENSITY,
 SIZE-FREQUENCY DISTRIBUTIONS, MALE-FEMALE RATIOS AND METHODS OF RECRUITING
 POPULATIONS OF MARINE INVERTEBRATES.
 NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL REPORT 1972-1973 MARINE INVERTEBRATE
 RESOURCES-LOBSTER SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., LOWER DELAWARE BAY
 ABSTRACT DATA FROM ENVIRONMENTAL RESEARCH CONDUCTED DURING
 1972-1973 ON MARINE INVERTEBRATES IN DELAWARE WATERS ARE PRESENTED IN REPORT
 FORM. THE RESEARCH INCLUDES A LOBSTER SURVEY AROUND THE MOUTH OF DELAWARE BAY.
 EMPHASIS IS PLACED ON DENSITY OF MARINE INVERTEBRATES.
 NAME RICHARD KECK
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ANNUAL TEMPERATURE REGIME, ATLANTIC GENERATING
 SITE, TECHNICAL REPORT NO. 8
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF THE OCEAN TEMPERATURE REGIME OFF THE
 MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC
 GENERATING STATION WAS CONDUCTED FROM MAY 1972 THROUGH APRIL 1973. TEMPERATURE
 RECORDERS EMPLOYED AT DEPTHS OF 5.5 AND 11 METERS CONTINUOUSLY MONITORED OCEAN
 TEMPERATURES. REPORTED PARAMETERS INCLUDED DAILY MAXIMUM AND MINIMUM
 TEMPERATURES.
 NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME AQUATIC INSECTS OF BACK BAY VIRGINIA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, VIRGINIA, BACK BAY
 ABSTRACT TAXONOMIC LIST AND SURVEY OF AQUATIC INSECTS FOUND
 IN THE BACK BAY AREA OF COASTAL VIRGINIA
 NAME JAMES PATTA
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET DEPARTMENT OF BIOLOGICAL SCIENCES
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23504

FILE NAME AQUATIC VEGETATION SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT DATA COLLECTED DURING A SURVEY CARRIED OUT IN 1966
 ON THE AQUATIC VEGETATION IN THE PONDS AND FRESHWATER IMPOUNDMENTS OF DELAWARE
 ARE PRESENTED IN REPORT FORM. EMPHASIZED IN THE INVESTIGATION ARE SPECIES
 DETERMINATIONS OF SUBMERGENT AND EMERGENT PLANTS AND HORIZONTAL DISTRIBUTIONS
 OF THESE PLANTS IN THE PONDS.
 NAME STAFF - DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 478 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DEVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ARAGONITE- CEMENTED SANDSTONE FROM THE OUTER
 CONTINENTAL SHELF OFF DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, N.Y. BIGHT
 ABSTRACT SANDSTONE CONTAINING A MODERN MICROFAUNA, RECOVERED
 FROM THE OUTER SHELF OFF DELAWARE BAY AT A DEPTH OF 43 FATHOMS WAS STUDIED.
 THE PLASTIC AND BIOGENIC PARTICLES OF THE ROCK AND THE CEMENT BINDING THE ROCK
 WAS EXAMINED IN DETAIL. SIZE ANALYSIS OF THE INSOLUBLE RESIDUE WAS DONE AND
 THE TEXTURAL PARAMETERS OF MEAN GRAIN SIZE, STANDARD DEVIATION, SKEWNESS AND
 KURTOSIS CALCULATED. SPECIES DETERMINATION OF BENTHIC ANIMALS AND ISOTOPE
 ANALYSIS WAS A MAJOR CONCERN. RADIO CARBON DATES FOR VARIOUS PARTS OF THE ROCK
 WERE DETERMINED.
 NAME DR. GERALD M. FRIEDMAN
 PHONE NUMBER 518 270 6474
 INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, RENSSELAER POLYTECHNIC
 INSTITUTE
 CITY TROY
 STATE NEW YORK
 ZIP CODE 12181

FILE NAME ARCHIVE OF PLANKTON SAMPLES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, WEST COAST OF NOVA SCOTIA,
 GULF OF MAINE, GEORGES BANK TO CAPE HATTERAS
 ABSTRACT THE ARCHIVE OF PLANKTON SAMPLES AT THE NORTHEAST
 FISHERIES CENTER, NARRAGANSETT, RHODE ISLAND CONSISTS OF APPROXIMATELY 14,000
 BOTTLES, MOST OF WHICH ARE ICTHYOPLANKTON SAMPLES COLLECTED SINCE 1971. THE
 SAMPLES ARE COLLECTED IN THE NORTH ATLANTIC OCEAN FROM NOVA SCOTIA TO CAPE
 HATTERAS. THE INFORMATION GIVEN WITH EACH SAMPLE BOTTLE IS ONLY THE SPECIES
 OR OTHER TAXONOMIC CLASSIFICATION, VESSEL, CRUISE, STATICA, GEAR AND VIAL
 NUMBERS. ALL OTHER INFORMATION CONCERNING THE SAMPLES CAN BE OBTAINED FROM
 THE MARMAP INFORMATION SYSTEM OR DATA SHEETS WHEN THE INFORMATION HAS NOT YET
 BEEN ENTERED INTO THE SYSTEM.
 NAME CHIEF, MARINE ECOSYSTEMS DIVISION
 PHONE NUMBER 401 789 9326
 INSTITUTION OR AGENCY NATIONAL MARINE FISHERIES SERVICE, NARRAGANSETT
 LAB, NORTHEAST FISHERIES CENTER
 STREET SCOTT FERRY ROAD
 CITY NARRAGANSETT
 STATE RHODE ISLAND
 ZIP CODE 02882

FILE NAME ARTHUR KILL
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW YORK
 BIGHT, NEW YORK HARBOR, ARTHUR KILL
 ABSTRACT 18 STATIONS IN ARTHUR KILL WERE SAMPLED FROM JULY
 1957 TO AUGUST 1957 FOR TEMPERATURE, CHLORIDE, AND DISSOLVED OXYGEN.
 MEASUREMENTS WERE TAKEN OVER A TIDAL CYCLE AND WERE SPREAD OUT OVER SEVERAL
 WEEKS.
 NAME DR. ALAN I. MYTELKA
 PHONE NUMBER 212 582 0380
 INSTITUTION OR AGENCY INTERSTATE SANITATION COMMISSION
 STREET 10 COLUMBUS CIRCLE, RM 1620
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10019

FILE NAME ARTHUR KILL SURVEY--ARTHUR KILL IN VICINITY OF
 LINDEN GENERATING STATION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT A STUDY OF CURRENT REGIMES AND VERTICAL TEMPERATURE
 DISTRIBUTIONS IN THE ARTHUR KILL NEAR THE LINDEN GENERATING STATION, NEW
 JERSEY WAS CONDUCTED IN AUGUST 1966 TO MONITOR THE MOVEMENT AND DISSIPATION OF
 THE THERMAL PLUME FROM THE GENERATING STATION.
 NAME MECHANICAL DIVISION CHIEF
 PHONE NUMBER 201 621 6800
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY, ENERGY
 LABORATORY
 STREET 200 BOYDEN AVENUE
 CITY MAPLEWOOD
 STATE NEW JERSEY
 ZIP CODE 07040

FILE NAME ASPECTS OF BIOLOGY OF SLOPE FISHES WITH EMPHASIS ON
 REPRODUCTION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., MIDDLE ATLANTIC BIGHT,
 NORFOLK CANYON, COASTAL
 ABSTRACT 21 SPECIES OF SLOPE AND CANYON FISH FAUNA EXAMINED
 TO DESCRIBE REPRODUCTIVE BIOLOGY OF DEEP SEA ORGANISMS. INFORMATION INCLUDES
 SEX RATIOS, GONAD CONDITION AND FERTILITY. MACROSCOPIC AND HISTOLOGICAL
 EXAMINATION CONDUCTED. MERISTIC AND MORPHOMETRIC DATA COLLECTED ON 5 SPECIES.
 NAME CHARLES WENNER
 PHONE NUMBER 804 642 2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME ASPECTS OF THE ECOLOGY, LIFE HISTORY, AND
 HOST-PARASITE RELATIONSHIP OF LOXOTRYLACUS (SACCULINIDAE) IN CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, POTOMAC RIVER, RAPPAHANNOCK RIVER, YORK RIVER, PAMUNKEY RIVER, JAMES
 RIVER
 ABSTRACT SURVEY ON THE DISTRIBUTION AND BIOLOGY OF THE
 SACCULINID PARASITE, LOXOTRYLACUS PANGRAEI, INFECTING THE XANTHID CRABS OF THE
 CHESAPEAKE BAY REGION. PHOTOGRAPHIC PLATES AND HYDROGRAPHIC DATA INCLUDED.
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME ASPECTS OF TROUT MANAGEMENT EMPLOYING RECLAMATION
 AND RESTOCKING WITH FINGERLING RAINECK TROUT IN A MARGINAL TROUT POND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, MONMOUTH COUNTY
 ABSTRACT FROM SEPTEMBER 1963 THROUGH OCTOBER 1968 A STUDY
 WAS CONDUCTED IN HOLMDEL PARK POND, A MARGINAL TROUT POND IN MONMOUTH COUNTY,
 NEW JERSEY. THE PURPOSE OF THIS STUDY WAS TO DETERMINE THE PRACTICALITY OF
 ATTEMPTING TO PROVIDE TROUT FISHING IN A PARK POND ENVIRONMENT BY PERIODIC
 RECLAMATION WITH PISCICIDES AND RESTOCKING WITH FINGERLING TROUT. SPORT
 FISHERY ACTIVITIES UNDER THIS PROGRAM WERE INVESTIGATED. MEASURED PARAMETERS
 OF WATER QUALITY IN THIS STUDY INCLUDED TEMPERATURE, PH, ALKALINITY, DISSOLVED
 OXYGEN GAS CONCENTRATION, AND SPECIFIC CONDUCTIVITY.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME ASSATEAGUE ISLAND STUDY--MARYLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, MARYLAND,
 ASSATEAGUE ISLAND
 ABSTRACT MISSION W107, FLIGHT 03, WAS ACCOMPLISHED ON
 FEBRUARY 4, 1972, UTILIZING THE WALLEPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED
 WITH A T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE GEOLOGY DEPARTMENT
 OF THE UNIVERSITY OF VIRGINIA FOR THE U.S. PARK SERVICE. THE OBJECTIVE OF THE
 FLIGHT WAS TO OBTAIN WINTER IMAGERY OF ASSATEAGUE ISLAND FOR DETERMINING
 LITTERAL PHYSICAL CHANGES BROUGHT ABOUT BY LATE FALL AND EARLY WINTER STORMS.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME ASSAWOMAN, GARGATHY, METONPKIN, AND WACHAPREAGUE
 INLETS BASE LINE DATA MISSION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, ASSAWOMAN,
 GARGATHY, METONPKIN, WACHAPREAGUE INLETS
 ABSTRACT MISSION W30, FLIGHT02, WAS ACCOMPLISHED ON NOVEMBER
 6, 1970 UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH A
 T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN BLACK AND WHITE
 INFRARED IMAGERY OF THE ASSAWOMAN, GARGATHY, METONPKIN AND WACHAPREAGUE INLETS
 AS BASE LINE DATA.

NAME MICHAEL CAGER
 PHONE NUMBER 804 424 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME ASSESSMENT OF DIGESTED SEWAGE SLUDGE DISPOSAL OFF
 THE MOUTH OF DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY
 ABSTRACT MONTHLY CRUISES WERE MADE TO THE STUDY AREA ABOUT
 10 MILES EAST OF CAPE HENLOPEN, DELAWARE. FINDINGS WERE THAT THE SEDIMENTS
 WERE MAINLY CLEAN SAND AND GRAVEL. THERE WAS NO EVIDENCE OF A SLUDGE BLANKET.
 TESTS FOR HEAVY METALS IN SEDIMENTS SHOWED THE DISPOSAL AREA TO BE
 INSIGNIFICANTLY DIFFERENT FROM ADJACENT AREAS OF THE OCEAN. DISSOLVED OXYGEN
 LEVELS WERE NEAR SATURATION YEAR ROUND. THE DIVERSITY OF SPECIES WAS HIGH, AND
 THE ANIMALS PRESENT SEEMED HEALTHY. IT IS CONCLUDED THAT 10 YEARS OF DISPOSAL
 OF DIGESTED SEWAGE SLUDGE HAS DONE LITTLE OR NO PERCEPTIBLE DAMAGE TO THE
 AREA.

NAME CHARLES T. CAVEY
 PHONE NUMBER 215 448 1397
 INSTITUTION OR AGENCY FRANKLIN INSTITUTE RESEARCH LABORATORIES
 STREET BENJAMIN FRANKLIN PARKWAY
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19103

FILE NAME ASSESSMENT OF POTENTIAL IMPACT OF CONSTRUCTION AND
 OPERATION OF A NEW JERSEY SPORTS AND EXPOSITION COMPLEX AT A SITE IN EAST
 RUTHERFORD, BERGEN COUNTY, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, EAST
 RUTHERFORD, UPPER AND LOWER BERRYS CREEK

ABSTRACT THIS FILE CONTAINS THE CHEMICAL, PHYSICAL, AND
 BIOLOGICAL ENVIRONMENTAL DATA USED IN ASSESSING THE IMPACT OF A SPORTS COMPLEX
 ON THE MARSH LANDS BORDERED BY UPPER AND LOWER BERRYS CREEK IN BERGEN COUNTY,
 NEW JERSEY. THE DATA, TAKEN IN A SURVEY IN MAY AND JUNE 1972, INCLUDES
 INFORMATION ON: TIDAL STAGE, TEMPERATURE, PH, SPECIFIC CONDUCTANCE, TURBIDITY
 DISSOLVED OXYGEN, CHLOR, NITRITE, NITRATE, TOTAL PHOSPHATE, CYANIDE, CHROMIUM,
 ARSENIC, MERCURY AND COUNTS AND TOXENOMIC LISTS OF VARIOUS TYPES OF BICTA
 INDIGENOUS TO THE AREA.

NAME JACK MC CORMICK
 PHONE NUMBER 215 647 9000
 INSTITUTION OR AGENCY JACK MC CORMICK AND ASSOCIATES, INC.
 STREET 511 OLD LANCASTER ROAD
 CITY BERWYN
 STATE PENNSYLVANIA
 ZIP CODE 19312

FILE NAME ASSESSMENT OF THE EFFECTS OF DIGESTED SEWAGE SLUDGE
 DISPOSAL OFF THE MOUTH OF DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 DELAWARE

ABSTRACT REPORT PREPARED FOR PHILADELPHIA WATER DEPARTMENT
 CONCERNING A ONE YEAR STUDY CONDUCTED TO DETERMINE THE EFFECTS OF 10 YEARS OF
 SLUDGE DISPOSAL IN THE OCEAN OFF OF THE MOUTH OF THE DELAWARE RIVER.

NAME STEVEN TOWNSEND
 PHONE NUMBER 215 686 3664
 INSTITUTION OR AGENCY CITY OF PHILADELPHIA WATER DEPARTMENT
 STREET MUNICIPAL SERVICES BUILDING 15TH AND JFK BLVD
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19107

FILE NAME ATLANTIC GENERATING STATION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, COASTAL, OFFSHORE OCEAN AND ATLANTIC COUNTIES
 ABSTRACT DATA BASELINE STUDIES WERE BEGUN IN APRIL, 1972 IN THE VICINITY OF THE ATLANTIC GENERATING STATION (39 DEG 28 MIN N, 74 DEG 15 MIN W) TO EVALUATE THE ENVIRONMENTAL IMPACT OF THE PROPOSED NUCLEAR POWER PLANT. BIOLOGICAL STUDIES INCLUDED POPULATION DENSITY, SEASONAL DISTRIBUTION, AND BICMASS OF VEGETATION, EPIFAUNA, MICROBIOTA, BENTHIC INVERTEBRATES, PELAGIC ANIMALS, PHYTOPLANKTON, ZOOPLANKTON, AND FISH. PHYSICAL AND CHEMICAL PARAMETERS MEASURED WERE BATHYMETRY, CURRENTS, TEMPERATURE, TIDES, WIND, SALINITY, TRANSPARENCY, DISSOLVED GASES, METALS, NUTRIENTS, AND SEDIMENT QUALITY.

NAME RCY DENMARK
 PHONE NUMBER 215 557 2544
 INSTITUTION OR AGENCY US ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT
 STREET CUSTOMS HOUSE, 2ND AND CHESTNUT STREET
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19106

FILE NAME ATLANTIC HIGHLANDS NEW JERSEY — MUNICIPAL ARENA
 BATHYMETRIC SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, ATLANTIC HIGHLANDS
 ABSTRACT THE ATLANTIC HIGHLANDS HARBOUR COMMISSION, NEW JERSEY, PLANNED AN EXPANSION OF THE MUNICIPAL AREA, AND RETAINED THIS FIRM TO CONDUCT A BATHYMETRIC SURVEY AND ASSESS THE ADJOINING TOPOGRAPHY.

NAME PHILLIP SEARS
 PHONE NUMBER 212 885 7350
 INSTITUTION OR AGENCY VAN HOLTEN ASSOCIATES, INC
 STREET 420 LEXINGTON AVENUE
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10017

FILE NAME ATLANTIC OCEAN AREA AC-BQ ROCKAWAY INLET TO EAST
 ROCKAWAY INLET
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW YORK, N.Y.
 BIGHT, ROCKAWAY INLET TO EAST ROCKAWAY INLET
 ABSTRACT TEMPERATURE, SALINITY, & CCLIFORM MEASUREMENTS FOR ROCKAWAY INLET TO EAST ROCKAWAY INLET FOR THE YEARS 1969-1972, WERE CONDUCTED BY N.Y.S. DEPT. OF ENVIRONMENTAL CONSERVATION.

NAME ENVIRONMENTAL WATER QUALITY CONTROL STUDIES
 PHONE NUMBER 516 751 7500
 INSTITUTION OR AGENCY NY STATE DEPT OF ENVIRONMENTAL CONSERVATION, SUNY
 STREET BUILDING 40
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11750

FILE NAME ATLANTIC OCEAN SHELLFISH GROWING AREA AC-F JONES
 INLET TO EAST ROCKAWAY INLET
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 JONES INLET TO EAST ROCKAWAY INLET, NEW YORK
 ABSTRACT TEMPERATURE, SALINITY, & CCLIFORM COUNT DATA FOR JONES INLET TO EAST ROCKAWAY INLET FOR THE YEAR 1970 ARE AVAILABLE AT THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.

NAME ENVIRONMENTAL WATER QUALITY CONTROL STUDIES
 PHONE NUMBER 516 751 7500
 INSTITUTION OR AGENCY NY STATE DEPT OF ENVIRONMENTAL CONSERVATION, SUNY
 STREET BUILDING 40
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11750

FILE NAME AVIAN DIVERSITY AND VEGETATION STRUCTURE IN SEVEN
 URBAN DELAWARE WOODLOTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT DURING 1972 AND 1973, SEVEN DELAWARE WOODLOTS WERE SAMPLED BY VISUAL OBSERVATION TO COLLECT DATA ON FOLIAGE HEIGHT DIVERSITY, BIRD SPECIES DIVERSITY, PERCENT VEGETATION COVER, AND PERCENT CHANGE OF BIRD SPECIES DIVERSITY OVER TIME.

NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME BACTERIOLOGICAL AND HYDROGRAPHIC SEAWATER DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 EASTERN SHORE, VIRGINIA TIDAL TRIBUTARIES
 ABSTRACT BIOLOGICAL DATA INCLUDING VARIOUS BACTERIOLOGICAL ANALYSES AND HYDROGRAPHIC DATA ARE OBTAINED FROM SELECTED STATIONS ALONG THE TIDAL COASTLINE OF VIRGINIA AT MONTHLY INTERVALS. HISTORIC DATA GOES BACK TO 1925 FOR SOME STATIONS AT INTERVALS RANGING FROM MONTHS TO YEARS. THE INFORMATION IS OBTAINED AS PART OF THE SANITARY SURVEY WHICH MONITORS THE FITNESS OF VIRGINIA TIDAL AREAS FOR OBTAINING SHELLFISH FOR DIRECT MARKETING.

NAME CLOYDE W. WILEY, DIRECTOR
 PHONE NUMBER 804 770 7537
 INSTITUTION OR AGENCY BUREAU OF SHELLFISH SANITATION
 STREET JAMES MADISON BLDG., 109 GOVERNOR STREET
 CITY RICHMOND
 STATE VIRGINIA
 ZIP CODE 23219

FILE NAME BANDING AND WATERFOWL MOVEMENTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT DURING THE 1976-1977 PRE-SEASON AND WINTER BANDING
 OPERATIONS IN NEW JERSEY, 2765 WATERFOWL WERE CAPTURED, Banded, AND RELEASED.
 SPECIES DETERMINATION WAS ACCOMPLISHED AND THE BIRDS WERE Banded AND RELEASED
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 252 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME BARNEGAT BAY - OYSTER CREEK
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 NEW JERSEY, BARNEGAT BAY, OYSTER CREEK, FORKED RIVER AND STOUTES CREEK
 ABSTRACT 6 STATIONS IN BARNEGAT BAY, OYSTER CREEK, FORKED
 RIVER, AND STOUTES CREEK WERE SAMPLED EACH MONTH FROM MAY 1971 TO JUNE 1973
 FOR SALINITY, TEMPERATURE, DISSOLVED OXYGEN AND COUNT AND TAXONOMIC LIST OF
 INTERTIDAL BENTHIC PLANTS.
 NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 201 872 0200
 INSTITUTION OR AGENCY MIDDLE ATLANTIC COASTAL FISHERIES CENTER,
 DEPARTMENT OF COMMERCE
 STREET SANDY HOOK MARINE LABORATORY
 CITY HIGHLANDS
 STATE NEW JERSEY
 ZIP CODE 07732

FILE NAME BARRIER ISLAND STUDIES OF DELAWARE, MARYLAND,
 VIRGINIA, & N.C.
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S.,
 ABSTRACT MISSION W271, FLIGHT 01, WAS ACCOMPLISHED ON JUNE
 4, 1974, UTILIZING THE WILLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A
 T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE GEOLOGY DEPARTMENT OF THE
 UNIVERSITY OF VIRGINIA. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN SPRING
 IMAGERY OF THE MID-ATLANTIC STATES BARRIER ISLANDS FOR USE IN EVALUATING THE
 EFFECTS OF WINTER STORMS ON THE BEACHES AND INLETS.
 NAME MICHAEL CENGER
 PHONE NUMBER 804 624 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME BARRIER ISLAND STUDIES OF NORTH CAROLINA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, NORTH CAROLINA
 CLTEF BANKS
 ABSTRACT MISSION W195, FLIGHT 1, MAY 11, 1973, WITH WILLOPS
 STATION C-54 AIRCRAFT WITH A T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH
 UNIV. OF VA. AND U. S. PARK SERVICE. FLIGHT A CONTINUATION OF A PROGRAM OF
 MISSIONS DESIGNED TO ILLUSTRATE CHANGING CHARACTERISTICS OF BARRIER ISLANDS
 DUE TO WAVE AND WIND ACTIONS FROM NEAR SHORE CURRENTS AND STORMS.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME BASE LINE DATA MISSION OF UPPER CHESAPEAKE BAY AND
 MOUTH OF THE SUSQUEHANNA RIVER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MARYLAND
 ABSTRACT MISSION W02E, FLIGHT 02 WAS ACCOMPLISHED ON OCTOBER
 18, 1970, UTILIZING A WILLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN
 BASE LINE DATA FROM THE MOUTH OF THE SUSQUEHANNA RIVER ACROSS THE TWP OF THE
 CHESAPEAKE BAY TO CRYSTAL BEACH, MARYLAND.
 NAME MICHAEL CENGER
 PHONE NUMBER 804 624 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME BASE LINE DATA OF THE WILLOPS ISLAND LITTORAL REGIME
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WILLOPS ISLAND
 ABSTRACT MISSION W198, FLIGHT 2, APRIL 6, 1973, UTILIZING
 THE WILLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA
 AND A THERMAL IR SCANNER FOR THE CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE. THE
 OBJECTIVE OF THE FLIGHT WAS TO OBTAIN UPDATED BASE LINE INFORMATION OF BEACH
 CONDITIONS ON WILLOPS ISLAND. CLEAR WEATHER, VISIBILITY FROM 10-20 MILES. AIR
 TEMPERATURE WAS 8 DEG. C AT 5000 FT. MSL, WIND OF 20 KNOTS FROM 280 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME BASELINE ENVIRONMENTAL STUDY FOR THREE OCEAN
 OUTFALLS--CAPE MAY COUNTY MUNICIPAL UTILITIES AUTHORITY OCEAN STUDIES PROJECT;
 BIOLOGICAL AND CHEMICAL OCEANOGRAPHIC STUDIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, NEW JERSEY, CAPE MAY
 COUNTY

ABSTRACT AN ECOLOGICAL STUDY OF COASTAL OCEAN WATERS OFF OF
 CAPE MAY COUNTY, NEW JERSEY IN THE VICINITY OF THREE PROPOSED OCEAN OUTFALL
 SITES WAS CONDUCTED FROM MARCH 1976 THROUGH APRIL 1977. SPATIAL AND TEMPORAL
 POPULATIONS AND DISTRIBUTIONS OF PHYTOPLANKTON, ZOOPLANKTON, BENTHIC
 INVERTEBRATES, AND FISHES WERE DETERMINED. MEASURED PARAMETERS OF WATER
 QUALITY INCLUDED SALINITY, TEMPERATURE, DISSOLVED OXYGEN, PH, TOTAL
 ALKALINITY, NUTRIENT AND METAL CONCENTRATIONS, COLIFORM COUNTS, AND PLANT
 PIGMENT CONCENTRATIONS. MEASURED PARAMETERS OF SEDIMENT CHEMISTRY INCLUDED
 ORGANIC CARBON AND NUTRIENT CONCENTRATIONS, OXIDATION-REDUCTION POTENTIALS,
 AND METAL CONCENTRATIONS

NAME ENVIRONMENTAL DIVISION DIRECTOR
 PHONE NUMBER 201 785 2410
 INSTITUTION OR AGENCY PANCLLIC QUIRK ASSOCIATES
 STREET GATEWAY 80 OFFICE PARK
 CITY WAYNE
 STATE NEW JERSEY
 ZIP CODE 07470

FILE NAME BASELINE INFORMATION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 NEW JERSEY, STONE HARBOR, SCOTCH BONNET TIDAL CREEK
 ABSTRACT 1 STATION LOCATED AT SCOTCH BONNET TIDAL CREEK WAS
 SAMPLED FROM DECEMBER 1972 TO THE PRESENT FOR TEMPERATURE, SALINITY, TIDAL
 HEIGHT, ORTHOPHOSPHATE, NITRATE, AND NITRITE.

NAME SIDNEY S. HERMAN, DIRECTOR
 PHONE NUMBER 215 691 7000 X583
 INSTITUTION OR AGENCY THE WETLANDS INSTITUTE
 STREET LEHIGH UNIVERSITY
 CITY BETHLEHEM
 STATE PENNSYLVANIA
 ZIP CODE 18015

FILE NAME BASELINE MISSION OF TOMS COVE, VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, TOMS COVE
 ABSTRACT MISSION W094, FLT2 UTILIZED A WALLEPS FLIGHT CENTER
 HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS. OBJECTIVE WAS TO
 OBTAIN COLOR AND FALSE COLOR INFRARED IMAGERY AT TOMS COVE AT THE SOUTHERN
 EXTREMITY OF ASSATEAGUE ISLAND. ACTUAL FLIGHT LINES ARE MAPPED.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME BASELINE NUTRIENT STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 NEW JERSEY, SANDY HOOK TO LONG BRANCH

ABSTRACT 5 STATIONS LOCATED ALONG THE NEW JERSEY COAST FROM
 SANDY HOOK TO LONG BRANCH WERE SAMPLED FROM NOVEMBER 1973 TO THE PRESENT FOR
 TEMPERATURE, SALINITY, SECCHI DISC DEPTH, DISSOLVED OXYGEN, TURBIDITY, PH,
 TOTAL ALKALINITY, NITRATE, NITRITE, AMMONIA, TOTAL KJELDAHL NITROGEN,
 CHLORIDE, TOTAL PHOSPHATE, ORTHOPHOSPHATE, DISSOLVED OXYGEN, BIOCHEMICAL
 OXYGEN DEMAND, PARTICULATE ORGANIC PHOSPHATE, DISSOLVED ORGANIC NITROGEN,
 PARTICULATE ORGANIC NITROGEN, AND TOTAL AND FECAL COLIFORMS.

NAME FRANK TAKACS
 PHONE NUMBER 609 292 7764
 INSTITUTION OR AGENCY NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL
 PROTECTION
 STREET BUREAU OF WATER POLLUTION CONTROL, P.O. BOX 2809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME BASELINE STUDIES - FIN FISH
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 NEW JERSEY, STONE HARBOR

ABSTRACT 6 STATIONS LOCATED AT STONE HARBOR, NEW JERSEY WERE
 SAMPLED FROM JUNE 1973 TO THE PRESENT FOR TEMPERATURE, SALINITY, COUNT AND
 SPECIES DETERMINATION OF ZOOPLANKTON, PELAGIC AND DEMERSAL FISH.

NAME SIDNEY S. HERMAN, DIRECTOR
 PHONE NUMBER 215 691 7000 X583
 INSTITUTION OR AGENCY THE WETLANDS INSTITUTE
 STREET LEHIGH UNIVERSITY
 CITY BETHLEHEM
 STATE PENNSYLVANIA
 ZIP CODE 18015

FILE NAME BASELINE STUDY OF SUSSEX COUNTY, DELAWARE OCEAN
CUTFALLS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL U.S., MIDDLE ATLANTIC
BIGHT, CHESAPEAKE BIGHT, PEN AND CHICKENS SHOAL AND SOUTH BETHANY BEACH
ABSTRACT ENVIRONMENTAL DATA COLLECTED DURING A 12 MONTH,
1973-1974, BASELINE STUDY OF THE OCEAN SEWAGE CUTFALLS LOCATED AT PEN AND
CHICKENS SHOAL AND SOUTH BETHANY BEACH, DELAWARE IS PRESENTED IN REPORT FORM.
THE PURPOSE OF THE STUDY IS TO ASSESS THE FUTURE BIOLOGICAL EFFECT OF THE
CUTFALLS. DATA INCLUDE SEASONAL NUTRIENT, TRACE METAL, PESTICIDE AND QUALITY
ANALYSES OF WATER, SEASONAL TRACE METAL AND PESTICIDE ANALYSES OF SEDIMENT AND
BIOTA AND SEASONAL FINISH AND BENTHIC MACROINVERTEBRATE SPECIES LISTS AND
COUNTS.

NAME DON MAURER
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
CITY LEWES
STATE DELAWARE
ZIP CODE 19558

FILE NAME BASELINE STUDY OF SUSSEX COUNTY, DELAWARE OCEAN
CUTFALLS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, MIDDLE ATLANTIC
BIGHT, CHESAPEAKE BIGHT, PEN AND CHICKENS SHOAL, SOUTH BETHANY BEACH
ABSTRACT ENVIRONMENTAL DATA COLLECTED DURING A 12 MONTH,
1973-1974, BASELINE STUDY OF THE OCEAN SEWAGE CUTFALLS LOCATED AT PEN AND
CHICKENS SHOAL AND SOUTH BETHANY BEACH, DELAWARE IS PRESENTED IN REPORT FORM.
THE PURPOSE OF THE STUDY IS TO ASSESS THE FUTURE BIOLOGICAL EFFECT OF THE
CUTFALLS. DATA INCLUDE SEASONAL NUTRIENT, TRACE METAL, PESTICIDE AND QUALITY
ANALYSES OF WATER, SEASONAL TRACE METAL AND PESTICIDE ANALYSES OF SEDIMENT AND
BIOTA AND SEASONAL FINFISH AND BENTHIC MACROINVERTEBRATE SPECIES LISTS AND
COUNTS.

NAME SUSSEX COUNTY ENGINEER
PHONE NUMBER 302 856 7701
INSTITUTION OR AGENCY SUSSEX COUNTY
CITY GEORGETOWN
STATE DELAWARE
ZIP CODE 19947

FILE NAME BASS SURVIVAL AND HARVEST EXPERIMENTS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
ABSTRACT A STUDY WAS CONDUCTED IN NEW JERSEY LAKES FROM 1953
THROUGH 1971 TO DETERMINE THE PERCENT RETURN OF HATCHERY REARED, SALVAGE AND
NATIVE LARGE MOUTH AND SMALL MOUTH BASS. DESCRIPTION OF SPORT FISHERIES
ACTIVITIES INVOLVING THESE SPECIES WAS OBTAINED.
NAME PRINCIPAL FISHERIES BIOLOGIST
PHONE NUMBER 201 236 2313
INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
STREET FRESHWATER FISHERIES LABORATORY
CITY LEBANON
STATE NEW JERSEY
ZIP CODE 08833

FILE NAME BATHING BEACH
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
LONG ISLAND, ATLANTIC BEACH TO TCBAY BEACH
ABSTRACT 6 STATIONS LOCATED ALONG THE ATLANTIC AND TCBAY
BEACHES WERE SAMPLED FROM APRIL TO SEPTEMBER STARTING IN 1968 TO THE PRESENT
FOR WATER TEMPERATURE, WIND SPEED, WIND DIRECTION, AND CCLIFORMS.
NAME DONALD MYGTT
PHONE NUMBER 516 535 3323
INSTITUTION OR AGENCY NASSAU COUNTY DEPARTMENT OF HEALTH
STREET 240 OLD COUNTRY ROAD
CITY MINEOLA
STATE NEW YORK
ZIP CODE 11501

FILE NAME BATHYMETRIC SURVEY FOR PREPARATION OF CONSTRUCTION
OF LIQUIFIED NATURAL GAS PLANT, STATEN ISLAND
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, STATEN ISLAND, GREAT
KILLS HARBOR
ABSTRACT A BATHYMETRIC SURVEY OF GREAT KILLS HARBOR, IN THE
BOROUGH OF STATEN ISLAND, NEW YORK CITY WAS UNDERTAKEN PRIOR TO THE
CONSTRUCTION OF THE LIQUIFIED NATURAL GAS (LNG) PLANT IN STATEN ISLAND,
ADJOINING GREAT KILLS HARBOR.
NAME PHILIP SEARS
PHONE NUMBER 212 685 7350
INSTITUTION OR AGENCY VAN HOLLEN ASSOCIATES, INC
STREET 420 LEXINGTON AVENUE
CITY NEW YORK
STATE NEW YORK
ZIP CODE 10017

FILE NAME BATHYMETRIC SURVEY OF EXXON PIER, BAYONNE, NEW
 JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, BAYONNE, NEW YORK
 HARBOR, EXXON PIER
 ABSTRACT THE PURPOSE OF THIS BATHYMETRIC SURVEY WAS TO
 ESTABLISH WATER DEPTHS OFF THE EXXON CORPORATION PIER IN BAYONNE, NEW JERSEY
 AS A PREPARATION TO REPAIR OF EXISTING FACILITIES.
 NAME PHILIP SEARS
 PHONE NUMBER 212 685 7350
 INSTITUTION OR AGENCY VAN HOUTEN ASSOCIATES, INC
 STREET 420 LEXINGTON AVENUE
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10017

FILE NAME BAY-MOUTH FLUX-AGNES BAY STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, MOUTH OF CHESAPEAKE
 BAY, VIRGINIA, MOUTH OF POTOMAC RIVER
 ABSTRACT FLUX MEASUREMENTS FOR 9 STATIONS FOR THE MOUTH OF
 THE POTOMAC RIVER AND CHESAPEAKE BAY WERE TAKEN FOR FOUR 24 HOUR PERIODS
 SAMPLED HOURLY AT 5 SAMPLE DEPTHS, SURFACE TO THE BOTTOM TO STUDY THE EFFECTS
 OF HURRICANE AGNES. DATA IS INCLUDED IN VIMS MASTER FILE
 NAME WILLIAM MACINTYRE
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME BEACH AND HARBOR WATER SAMPLING PROGRAM
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. EIGHT, NEW YORK
 HARBOR
 ABSTRACT THE BUREAU OF PUBLIC HEALTH ENGINEERING OF THE NEW
 YORK CITY DEPARTMENT OF HEALTH CONDUCTS A BEACH AND HARBOR WATER SAMPLING
 PROGRAM. THE PROGRAM HAS BEEN ACTIVE SINCE 1948. COLIFORM DENSITIES ARE
 DETERMINED ON 1000 SAMPLES WHICH ARE COLLECTED EACH YEAR BETWEEN MAY AND
 SEPTEMBER. LOCATIONS OF SAMPLING AREAS VARY BUT FOCUS UPON THE BEACH AND
 HARBORS OF NEW YORK CITY.
 NAME DR. JOHN DE LUANE
 PHONE NUMBER 212 566 6016
 INSTITUTION OR AGENCY BUREAU OF PUBLIC HEALTH ENGINEERING, NEW YORK CITY
 DEPARTMENT OF HEALTH
 STREET 377 BROADWAY ROOM 200
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10013

FILE NAME BEACH EROSION STUDY AT VIRGINIA BEACH, VIRGINIA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, VIRGINIA BEACH
 ABSTRACT SURVEY OF BEACH EROSION AND BEACH EROSIONAL FACTORS
 ALONG VIRGINIA BEACH, VA. STUDY INCLUDES SCUBA DIVING OPERATIONS FOR OBSERVING
 BEACH EROSION CONTROL STRUCTURES
 NAME JOHN LUDWICK
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME BEACH EVALUATION PROGRAM - VISUAL WAVE OBSERVATION
 DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, MASSACHUSETTS,
 RHODE ISLAND, NEW YORK, NEW JERSEY, VIRGINIA, NORTH CAROLINA
 ABSTRACT USUAL WAVE OBSERVATION DATA INCLUDES INFORMATION ON
 WAVE HEIGHTS, PERIODS, DIRECTIONS, AND BREAKER TYPES. DATA IS PRIMARILY
 RECEIVED FROM CORPS COASTAL DISTRICTS AND DIVISIONS IN THE FORM OF OPTICAL
 MARK PAGE SCANNING FORMS AND/OR FIELD SURVEY CHARTS. THE DATA IS THEN PUNCHED
 ON CARDS.
 NAME C.J. GALVIN
 PHONE NUMBER 202 325 7378
 INSTITUTION OR AGENCY DEPARTMENT OF THE ARMY, COASTAL ENGINEERING
 RESEARCH CENTER
 STREET KINGMAN BUILDING
 CITY FORT BELVOIR
 STATE VIRGINIA
 ZIP CODE 22060

FILE NAME BEACH EVALUATION PROJECT-PIPE PROFILE DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, CAPE COD
 MASSACHUSETTS, MISQUAMICUT PENINSULA, SOUTHAMPTON NEW YORK, WESTHAMPTON
 NEW YORK, JONES BEACH NEW YORK, DEAL NEW JERSEY, BELMAR NEW JERSEY, LONG BEACH
 ISLAND NEW JERSEY, BRICANTINE NEW JERSEY, ATLANTIC CITY NEW JERSEY, LUDHAM
 ISLAND NEW JERSEY, ASSATEAGUE VIRGINIA, VIRGINIA BEACH VIRGINIA, WRIGHTSVILLE
 NORTH CAROLINA, FOLEEN NORTH CAROLINA, JUPITER BEACH FLORIDA, BECA RATON
 FLORIDA, HOLLYWOOD FLORIDA, TERRY PINES CALIFORNIA

ABSTRACT THE FILE CONTAINS BEACH PROFILE DATA FOR SEVERAL
 BEACHES ALONG THE ATLANTIC COAST AND ON ONE PACIFIC COAST STATION. THE PURPOSE
 OF THE BEACH EVALUATION PROGRAM IS TO OBSERVE THE RESPONSE OF BEACHES TO WAVES
 AND TIDES OF SPECIFIC INTENSITY AND DURATION AS FIRST STEP IN DEVELOPING A
 STORM WARNING SYSTEM FOR LOW-LYING COASTAL COMMUNITIES. THIS PROGRAM PROVIDES
 THE MOST COMPLETE LONG-TERM STUDY OF BEACHES IN ANY LARGE SECTION OF THE U.S.
 COAST, AND THUS THE DATA OBTAINED HAVE USEFUL ENGINEERING APPLICATIONS.
 PROFILE LINES ARE ESTABLISHED AT EQUALLY SPACED INTERVALS IN MOST CASES. IN A
 FEW CASES IT HAS BEEN NECESSARY TO ABANDON OR RELOCATE THE ORIGINALS PROFILES,
 AND IN SOME CASES ADDITIONAL PROFILE LINES WERE ESTABLISHED AFTER THE PROGRAM.
 THE NUMBER OF PROFILES VARIES FROM BEACH TO BEACH, THE MOST BEING 21 ON LONG
 BEACH ISLAND. MOST PROFILES ARE ABOUT ONE-HALF TO ONE MILE APART. AFTER
 ESTABLISHING THE PROFILE LINES, SURVEYS WERE MADE TO OBTAIN THE INITIAL BEACH
 PROFILES. THESE ARE REFERENCE VALUES TO WHICH LATER PROFILES ARE COMPARED.
 EARLY SURVEYS WERE TAKEN AT BI-WEEKLY INTERVALS, LATER ONES UP TO A MONTH
 APART, AND SPOT SURVEYS PRIOR AND AFTER MAJOR STORMS WERE ALSO TAKEN.

NAME MR. ALLAN DE WALL
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 RESEARCH CENTER
 STREET KINAHAN BUILDING
 CITY FORT BELVOIR
 STATE VIRGINIA
 ZIP CODE 22040

FILE NAME BEACH PROCESSES AND SPIT DYNAMICS AT SANDY HOOK,
 NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, SANDY HOOK
 ABSTRACT THIS ONGOING STUDY OF BEACH DYNAMICS AT SANDY HOOK,

NEW JERSEY IS SCHEDULED FOR COMPLETION IN 1978. AT IRREGULAR INTERVALS
 MEASUREMENTS WERE TAKEN FROM ELEVEN FIXED STATIONS OF WAVE HEIGHT, WAVE PERIOD
 AND WAVE ANGLE OF APPROACH USING A FIXED WAVE STAFF AND STANDARD SURVEYING
 EQUIPMENT. LONGSHORE CURRENT VELOCITY WAS ALSO MEASURED THROUGH DYES AND
 FLUORESCENT DEVICES. THE CHANGES IN THE STRUCTURE AND SLOPE OF THE BEACH WERE
 MEASURED WITH SURVEYING EQUIPMENT, AND SAMPLES OF SEDIMENT WERE ANALYSED FOR
 SIZE TO DETERMINE THE EFFECT OF WAVES ON VARIOUS SIZES OF PARTICLES. THE
 FREQUENCY OF OBSERVATIONS WAS GREATER IN WINTER MONTHS DUE TO THE MORE
 PRONOUNCED EFFECTS OF WAVE ACTION ON THE BEACH DURING THOSE MONTHS.

NAME J. ALLEN
 PHONE NUMBER 617 437 3176
 INSTITUTION OR AGENCY NORTHEASTERN UNIVERSITY, DEPARTMENT OF EARTH
 SCIENCES
 STREET GREENLEAF STREET
 CITY BOSTON
 STATE MASSACHUSETTS
 ZIP CODE 02115

FILE NAME BEAVER AND OTTER INVESTIGATIONS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT BEAVER COLONY INVENTORIES WERE COMPLETED FOR THE 15
 COUNTIES HAVING KNOWN BEAVER POPULATIONS. DATA TABLES REPORT HARVEST, AGE
 COMPOSITION, SEX RATIOS, LAND OWNERSHIP, SIZE OF PELTS, AND TRAPPING METHODS.
 THIS IS A FINAL REPORT COVERING DATA FROM 1972 TO 1977.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6666
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME BECKETT NEWTOWN, GLOUCESTER COUNTY, NEW JERSEY.
 REPORT FOR LANDTECH CORPORATION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, GLOUCESTER COUNTY,
 COASTAL
 ABSTRACT THIS REPORT IS AN ENVIRONMENTAL IMPACT STATEMENT
 DISCUSSING THE SITE FOR A POTENTIAL HOUSING DEVELOPMENT. IT INCLUDES A
 COMPLETE REPORT ON SOIL CHARACTERISTICS AND SUITABILITY FOR VARIOUS PURPOSES,
 CLIMATIC, WATER QUALITY, HYDROLOGIC, GEOLOGIC, FAUNAL AND FLORAL DATA. IT HAS
 IN ADDITION AN EXTENSIVE BIBLIOGRAPHY. WATER ANALYSES WERE DONE BY AN
 INDEPENDENT LAB AND METHODS WERE NOT REPORTED.
 NAME DR. JAMES A. SCHMID
 PHONE NUMBER 215 647 3110
 INSTITUTION OR AGENCY JACK MCCORMICK AND ASSOCIATES
 STREET 660 WATERLOO RD.
 CITY CHESTER
 STATE PENNSYLVANIA
 ZIP CODE 19333

FILE NAME BENTHIC FISH ASSOCIATIONS ON THE CONTINENTAL SLOPE
 OF THE MIDDLE ATLANTIC BIGHT
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, NORTH CAROLINA, CAPE
 HATTERAS TO BLOCK CANYON
 ABSTRACT COMMUNITY STRUCTURE ANALYSIS AND BENTHIC FISH
 ASSOCIATIONS ON THE CONTINENTAL SHELF AT APPROX 900 METERS. ANNOTATED
 TAXONOMIC LIST WITH COMMENTS ON DISTRIBUTION, MORPHOLOGY, SIZE, MORPHOMETRICS
 AND BIOCONDITION OF FISH CAPTURED.
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME BENTHIC INFAUNA OF EELGRASS, ZOSTERA MARINA, BEDS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 CHINCOTEAGUE BAY, VIRGINIA, YORK RIVER
 ABSTRACT THE INFAUNA OF EELGRASS BEDS, ZOSTERA MARINA, WAS
 SAMPLED AND ANALYZED. IN RELATION TO COMMUNITY STRUCTURE. COMMUNITY STRUCTURE
 ANALYSIS INDICES INCLUDE DIVERSITY, EQUITABILITY, RICHNESS, DOMINANCE,
 SIMILARITY. SEDIMENT TYPE WAS RELATED TO THE DENSITY OF ZOSTERA.
 NAME LIBRARIAN
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME BENTHIC INVERT SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 NEW JERSEY, GREAT BAY AND MULLICA RIVER
 ABSTRACT 40 STATIONS LOCATED AT GREAT BAY AND MULLICA RIVER,
 NEW JERSEY WERE SAMPLED FROM MAY 1968 TO MAY 1969 FOR CHLOROPHYLL A, B, AND C,
 NITRATE, NITRITE, AMMONIA, TOTAL ORGANIC NITROGEN, DISSOLVED ORGANIC NITROGEN,
 DISSOLVED ORGANIC CARBON, TOTAL PHOSPHORUS, DISSOLVED OXYGEN, PHOTOSYNTHETIC
 RATE, SALINITY, TEMPERATURE, SECCHI DISC DEPTH, COUNT AND SPECIES
 DETERMINATION OF ZOOPLANKTON AND BENTHIC ANIMALS
 NAME JAMES DURAN
 PHONE NUMBER 609 564 1766 X255
 INSTITUTION OR AGENCY RUTGERS UNIVERSITY
 STREET DEPARTMENT OF BIOLOGY, SCIENCE BUILDING
 CITY CAMDEN
 STATE NEW JERSEY
 ZIP CODE 08102

FILE NAME BENTHIC INVERTEBRATE COMMUNITY STRUCTURE WITH
 SEWAGE SLUDGE GRADIENTS IN INNER NEW YORK BIGHT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. BIGHT
 ABSTRACT THE PURPOSE OF THE STUDY IS TO INVESTIGATE THE
 BENTHIC INVERTEBRATE COMMUNITY STRUCTURE IN CONJUNCTION WITH SEWAGE SLUDGE
 GRADIENTS IN INNER NEW YORK BIGHT. THERE ARE 25 STATIONS IN THE SAMPLING
 PROGRAM WHICH ARE SAMPLED ONCE EACH MONTH. SPECIES DETERMINATION AND COUNT OF
 BENTHIC ANIMALS ARE MADE. DIVERSITY INDEX IS CALCULATED USING THE
 SHANNON-WEAVER METHOD. THE SPECIFIC AREA OF INTEREST IS BETWEEN 4025 AND 4035
 NORTH LATITUDE AND 7400 AND 7535 WEST LONGITUDE. POSITION IS DETERMINED BY
 LORAN. THIS PROJECT IS BEING COORDINATED WITH TRACE ELEMENT DETERMINATIONS AND
 SEDIMENTOLOGICAL ANALYSES.
 NAME DR. DAVID FRANZ
 PHONE NUMBER 212 780 5700
 INSTITUTION OR AGENCY DEPARTMENT OF BIOLOGY, BROOKLYN COLLEGE
 CITY BROOKLYN
 STATE NEW YORK
 ZIP CODE 11210

FILE NAME BENTHIC INVERTEBRATES OF THE NEW YORK BIGHT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. BIGHT, LONG ISLAND SOUND
 ABSTRACT QUALITATIVE AND QUANTITATIVE STUDIES OF BENTHIC INVERTEBRATES OF LONG ISLAND SOUND HAVE BEEN DONE. THERE ARE 58 STATIONS IN THE SAMPLING NETWORK WHICH ARE SAMPLED 18 TIMES EACH YEAR. COLLECTIONS ARE BIMONTHLY IN SUMMER AND MONTHLY IN WINTER. CRABS, TRAWLS AND TRIPS ARE USED TO COLLECT THE SPECIMENS. SPECIES DETERMINATIONS, COUNTS, AND BIOMASS OF BENTHIC ANIMALS ARE UNDERTAKEN. IN ADDITION, SIZE ANALYSIS OF SEDIMENTS AND TEMPERATURES OF SURFACE WATERS ARE DETERMINED.

NAME DR. ANTHONY D'AGOSTINO
 PHONE NUMBER 516 668 5800
 INSTITUTION OR AGENCY NEW YORK OCEAN SCIENCE LABORATORY
 STREET DRAWER EE
 CITY MONTAUK
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 ZIP CODE 11954

FILE NAME BENTHIC INVERTEBRATES OF THE NEW YORK BIGHT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, NEW YORK, N.Y. BIGHT
 ABSTRACT THE STUDY INVOLVES A QUANTITATIVE AND QUALITATIVE ANALYSIS OF BENTHIC INVERTEBRATES AT 58 STATIONS IN THE NEW YORK BIGHT AND LONG ISLAND SOUND. CRABS, TRAWLS AND TRAPS ARE USED TO COLLECT THE SPECIMENS. COLLECTIONS ARE BIMONTHLY IN THE SUMMER AND MONTHLY IN THE WINTER. SPECIES DETERMINATIONS, COUNTS, AND BIOMASS DETERMINATIONS ARE UNDERTAKEN. IN ADDITION, SEDIMENTS ARE ANALYZED FOR TEMPERATURE AND SIZE AND WATERS ARE ANALYZED FOR TEMPERATURE. THE PROJECT BEGAN IN JANUARY 1973.

NAME DR. ANTHONY D'AGOSTINO
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 INSTITUTION OR AGENCY NEW YORK OCEAN SCIENCE LABORATORY
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 CITY MONTAUK
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 ZIP CODE 11954

FILE NAME BENTHIC MACROINVERTEBRATES IN VICINITY OF
 ARTIFICIAL ISLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER, COASTAL
 ABSTRACT PRELIMINARY SURVEY OF BENTHIC FAUNA IN THE VICINITY OF SALEM NUCLEAR POWER STATION WAS CONDUCTED AS PART OF PREOPERATIONAL SURVEY OF EXISTING CONDITIONS. STUDIES TO BE CONTINUED AND EXPANDED IN FUTURE. A TOTAL OF 220 SAMPLES FROM 11 STATIONS ANALYZED. SPECIES LISTS, DENSITY, DIVERSITY, AND BIOMASS DATA INCLUDED. SIX TRANSECTS SAMPLED. AN ANNUALLY REPETITIVE PROGRAM IS EXPECTED.

NAME VICTOR J. SCHULLER
 PHONE NUMBER 301 378 8069
 INSTITUTION OR AGENCY ICHTHYOLOGICAL ASSOCIATES
 STREET BOX 35 RD 2
 CITY MIDDLETOWN
 STATE DELAWARE
 ZIP CODE 15705

FILE NAME BENTHIC MARINE ALGAE OF THE LOWER CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA
 ABSTRACT SURVEY OF BENTHIC MARINE ALGAE ATTACHED TO PILING OF THE CHESAPEAKE BAY BRIDGE-TUNNEL. SPECIES COMPOSITION WITH RESPECT TO DEPTH AND LOCATION ON PILING NOTED, ESTIMATES OF DOMINANCE MADE

NAME FALL KIRK
 PHONE NUMBER 804-485-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME BENTHIC STUDIES AT THE DUPONT DUMPSITE OFF THE
 DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, DUPONT DUMPSITE
 ABSTRACT SINCE 1972, BENTHIC SAMPLING HAS BEEN DONE ON AN IRREGULAR BASIS AT THE DUPONT DUMPSITE OFF THE DELAWARE BAY. KRIS SWANSON OF MARINE RESEARCH INCORPORATED ANALYZES THE SPECIES COMPOSITION AND ABUNDANCE OF THESE BENTHIC SAMPLES RECEIVED FROM THE ENVIRONMENTAL PROTECTION AGENCY.

NAME KRIS SWANSON
 PHONE NUMBER 617 548 0700
 INSTITUTION OR AGENCY MARINE RESEARCH INCORPORATED
 STREET 141 FALMOUTH HEIGHTS ROAD
 CITY FALMOUTH
 STATE MASSACHUSETTS
 ZIP CODE 02540

FILE NAME BENTHIC SURVEY OF A RESTRICTED AREA OF TCM'S COVE,
ASSATEAGUE ISLAND, VIRGINIA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, ASSATEAGUE
ISLAND, TCM'S COVE
ABSTRACT A TWENTY-NINE MONTH STUDY OF THE BENTHIC COMMUNITY
IN TCM'S COVE, ASSATEAGUE ISLAND, VIRGINIA WAS CONDUCTED. PARAMETERS INCLUDE,
SPECIES DETERMINATION, COUNTS, SAMPLES, TEMPERATURE, SALINITY AND SEDIMENT
SIZE.
NAME SARAH ANN WOODIN
PHONE NUMBER 301 366 3300
INSTITUTION OR AGENCY DEPT. OF EARTH AND PLANETARY SCIENCES
STREET JOHNS HOPKIN UNIVERSITY
CITY BALTIMORE
STATE MARYLAND
ZIP CODE 21218

FILE NAME BENTHOS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
NEW JERSEY, STONE HARBOR
ABSTRACT 4 STATIONS LOCATED AT STONE HARBOR WERE SAMPLED
FROM OCTOBER 1972 TO MARCH 1973 FOR COUNT AND SPECIES DETERMINATION OF BENTHIC
ANIMALS. IN PARTICULAR, WORMS, MOLLUSKS, AND CRUSTACEANS ABOVE 0.5 MM IN SIZE
NAME SIDNEY S. HERMAN, DIRECTOR
PHONE NUMBER 215 691 7000 X583
INSTITUTION OR AGENCY THE WETLANDS INSTITUTE
STREET LEHIGH UNIVERSITY
CITY BETHLEHEM
STATE PENNSYLVANIA
ZIP CODE 18015

FILE NAME BENTHOS OF MARYLAND WATERS IN AND NEAR C AND D CANAL
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, CHESAPEAKE
AND DELAWARE CANAL
ABSTRACT SURVEY OF MACROINVERTEBRATES IN THE VICINITY OF THE
C AND D CANAL CONDUCTED ON A QUARTERLY SAMPLING SCHEDULE. 19 STATIONS SAMPLED
WITH 3 REPLICATE GRABS PER VISIT USING A 0.1 SQUARE METER VAN VEEN GRAB.
SPECIES, COUNTS, BIOMASS, AND COMMUNITY ANALYSIS DATA REPORTED.
NAME HAYES T. PFITZENMEYER
PHONE NUMBER 301 326 4261
INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
CITY SELDEN
STATE MARYLAND
ZIP CODE 20688

FILE NAME BENTHOS STUDIES OF THE CAPE FEAR AREA, N.C.
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, CAPE
FEAR
ABSTRACT A TEN MONTH STUDY OF BENTHIC ANIMALS OF CAPE FEAR
NORTH CAROLINA WAS CONDUCTED. SPECIES COUNTS AND IDENTIFICATION WERE MADE TO
DETERMINE DIVERSITY.
NAME B.J. CEPELAND
PHONE NUMBER 919 737 2589
INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
CITY RALEIGH
STATE NORTH CAROLINA
ZIP CODE 27607

FILE NAME BICOUNTY OIL SPILL DATA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT
ABSTRACT 55 STATIONS LOCATED FROM LOWER BAY TO GEORGES BANK
WERE SAMPLED FROM JANUARY 1974 TO OCTOBER 1974 FOR CURRENT SPEED AND CURRENT
DIRECTION.
NAME EDWARD BAYLER
PHONE NUMBER 516 246 7714
INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
CITY STONY BROOK
STATE NEW YORK
ZIP CODE 11750

FILE NAME BIOCHEMICAL CHARACTERISTICS OF CHESAPEAKE BAY
ORGANISMS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY
ABSTRACT BIOCHEMICAL STUDY OF BIOTA IN CHESAPEAKE TO DEFINE
RACIAL TRAITS FOR VARIOUS ISOZYMES IN FISHES. COLUMN, SLAB, AND HORIZONTAL
STARCH GELS FOR PERICIA MENIDIA, M. BERYLLINA, MORONE SAXATILIS, M. AMERICANA,
PARALICHTHYS DENTATUS, AND TRINectes MACULATUS. MOSTLY MUSCLE TISSUE ANALYZED
NAME RAY MORGAN
PHONE NUMBER 301 326 4281
INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
CITY SELDEN
STATE MARYLAND
ZIP CODE 20688

FILE NAME BIOCHEMICAL MODELING
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 RARITAN BAY
 ABSTRACT 25 STATIONS IN RARITAN BAY WERE SAMPLED FROM JULY
 1971 TO THE PRESENT FOR SALINITY, TEMPERATURE, COUNT AND SPECIES DETERMINATION
 OF FILTER FEEDING ANIMALS. ONLY CANCER IRRADIATUS WAS ANALYZED.
 NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 201 872 0200
 INSTITUTION OR AGENCY MIDDLE ATLANTIC COASTAL FISHERIES CENTER,
 DEPARTMENT OF COMMERCE
 STREET SANDY HOOK MARINE LABORATORY
 CITY HIGHLANDS
 STATE NEW JERSEY
 ZIP CODE 07732

FILE NAME BIOGEOCHEMISTRY OF SEDIMENTS OF DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE, DELAWARE BAY
 ABSTRACT SURFACE HOLOCENE SEDIMENT SAMPLES FROM MIDDLE
 DELAWARE BAY AND CORED HOLOCENE SAMPLES FROM LOWER DELAWARE BAY HAVE BEEN
 STUDIED IN A PRELIMINARY WAY FOR GENERAL SEDIMENT CHARACTERISTICS, PH, EH,
 ORGANIC CARBON, CARBOHYDRATES, AMINO ACIDS, HYDROCARBONS, CHLOROPHYLL-DERIVED
 PIGMENTS, CAROTENOID PIGMENTS, AND HUMIC ACIDS. SAMPLES FROM A CORE NEAR
 WILMINGTON CANYON ON THE CONTINENTAL SLOPE OFF DELAWARE BAY WERE ANALYZED FOR
 ORGANIC CARBON AND CARBOHYDRATES.
 NAME DR. FREDERICK M. SWAIN
 PHONE NUMBER 302 738 2565
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME BIOLOGICAL INVENTORY OF LUDLAM BEACH - WHALE ISLAND
 BEACH, CAPE MAY COUNTY, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, CAPE MAY
 COUNTY, LUDLAM BEACH, WHALE ISLAND
 ABSTRACT THIS STUDY CONTAINS AN ECOLOGICAL SURVEY OF LUDLAM
 BEACH - WHALE ISLAND BEACH, CAPE MAY COUNTY, NEW JERSEY IN 1975. THE
 PARAMETERS MEASURED INCLUDE COUNTS AND SPECIES OF BIRDS, REPTILES, AMPHIBIANS,
 MAMMALS, FISH, PELAGIC INVERTEBRATES, AND PLANTS.
 NAME JACK MC CORMICK
 PHONE NUMBER 215 647 5000
 INSTITUTION OR AGENCY JACK MC CORMICK AND ASSOCIATES, INC.
 STREET 511 OLD LANCASTER ROAD
 CITY BETHYD
 STATE PENNSYLVANIA
 ZIP CODE 19312

FILE NAME BIOLOGICAL INVENTORY OF PECK BEACH ISLAND, CAPE MAY
 COUNTY, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, CAPE MAY
 COUNTY, PECK BEACH ISLAND
 ABSTRACT THIS STUDY PROVIDES AN ECOLOGICAL SURVEY OF THE
 FLORA AND FAUNA OF PECK BEACH ISLAND, CAPE MAY COUNTY, NEW JERSEY IN 1975.
 THE PARAMETERS MEASURED INCLUDE COUNTS AND SPECIES OF BIRDS, REPTILES,
 AMPHIBIANS, MAMMALS, FISH, INVERTEBRATES AND PLANTS.
 NAME JACK MC CORMICK
 PHONE NUMBER 215 647 5000
 INSTITUTION OR AGENCY JACK MC CORMICK AND ASSOCIATES, INC.
 STREET 511 OLD LANCASTER ROAD
 CITY BETHYD
 STATE PENNSYLVANIA
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FILE NAME BIOLOGICAL INVESTIGATIONS OF NOXIOUS COELENTERATES
 AND CTENOPHORES IN COASTAL NORTH CAROLINA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT A STUDY IN 1972 ON NOXIOUS COELENTERATES AND
 CTENOPHORES IN COASTAL NORTH CAROLINA THEIR DISTRIBUTION, ABUNDANCE, AND LIFE
 HISTORIES. CHRYSOORA QUINQUECIRRHA, CYANEA CAPILLATA, RHOPILEMA VERILLI,
 AURELIA AURITA, STOMCLOPHUS MELEAGRIS, NEMECYSIS BACHEI, PHYSALIA SP,
 BLACKFORDIA MANHATTENSIS, NEMECYSIS, TEIDIYI BERGE OVATA WERE MEASURED.
 NAME FRANK J. SCHWARTZ
 PHONE NUMBER 919 726 6841
 INSTITUTION OR AGENCY UNIVERSITY OF NORTH CAROLINA
 STREET INSTITUTE OF MARINE SCIENCES
 CITY MCCREYD CITY
 STATE NORTH CAROLINA
 ZIP CODE 28557

FILE NAME BIOLOGICAL RECOVERY OF RED CLAY CREEK
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT DATA COLLECTED DURING A STUDY CARRIED OUT FROM 1972
 TO 1973 TO DETERMINE THE BIOLOGICAL RECOVERY OF RED CLAY CREEK, DELAWARE UPON
 THE ABATEMENT OF A ZINC CHLORIDE DISCHARGE FROM NATIONAL VULCANIZED FIBER ARE
 PRESENTED IN REPORT FORM. EMPHASIZED IN THE INVESTIGATION ARE POPULATION
 CHARACTERISTICS OF PELAGIC FISH, PLANKTON AND BENTHIC COMMUNITIES AND WATER
 QUALITY PARAMETERS.
 NAME STAFF - DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY COVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME BICLOGICAL REPORTS FOR PERMIT APPLICATIONS TO ALTER
MARSHLANDS, ESTUARINE BOTTOMS, TIDELANDS, AND STATE-OWNED LAKES OF NORTH
CAROLINA
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTH CAROLINA, COASTAL
ABSTRACT BIOLOGICAL REPORTS WHICH DETERMINE EFFECTS OF
BUILDING AND DREDGING PROJECTS ON COASTAL MARSH LANDS, ESTUARINE BOTTOMS,
TIDELANDS AND STATE-OWNED LAKES OF NORTH CAROLINA. AERIAL PHOTOGRAPHY IS USED
TO MONITOR ANY BUILDING OR DREDGING PERMIT VIOLATIONS.
NAME JAMES T. ERWIN
PHONE NUMBER 919 726 7021
INSTITUTION OR AGENCY NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC
RESOURCES
STREET DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O.
BOX 765
CITY MCCREHEAD CITY
STATE NORTH CAROLINA
ZIP CODE 28557

FILE NAME BIOLOGICAL STUDIES OF SALT MARSH TABANIDS IN
DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, TIDAL WETLANDS
ABSTRACT INVESTIGATIONS CONDUCTED IN THE TIDAL WETLANDS OF DELAWARE FROM 1964 TO 1965
ON SALT MARSH TABANIDS. EMPHASIZED ARE LARVAL PRODUCTION ON IMPOUNDED AND
TIDAL SALT MARSHES, ADULT MATING STUDIES, ADULT LONGEVITY STUDIES AND ADULT
EMERGENCE STUDIES.
NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME BIOLOGICAL STUDIES OF SALT MARSH TABANIDS IN
DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, LITTLE CREEK WILDLIFE
AREA, WOODLAND BEACH WILDLIFE AREA
ABSTRACT THIS FILE CONTAINS COUNT AND SPECIATION DATA ON
SALT MARSH TABANID POPULATION IN 2 DELAWARE SALT MARSHES, WOODLAND BEACH AND
LITTLE CREEK, TAKEN IN WEEKLY SURVEYS FROM JUNE TO SEPTEMBER 1965. THIS DATA
WAS CONTAINED IN AN M.S. THESIS, 1966, UNIVERSITY OF DELAWARE, BY WILLIAM
OLKOWSKI.
NAME PAUL CATTS
PHONE NUMBER 302 738 2526
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
STREET DEPARTMENT OF ENTOMOLOGY
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME BIOLOGICAL SURVEY OF THE CHESAPEAKE AND DELAWARE
CANAL AND ITS APPROACHES
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND
ABSTRACT A TWENTY-ONE MONTH BIOLOGICAL SURVEY OF THE
CHESAPEAKE AND DELAWARE CANAL AND ITS APPROACHES WAS CONDUCTED. PARAMETERS
INCLUDE COUNT AND SPECIES DETERMINATION OF ORGANISMS PRESENT AS WELL AS
BIOMASS OF SELECTED STATIONS. HYDROGRAPHIC DATA WAS TAKEN FOR EACH OF THE
STATIONS.
NAME MALCOLM H. TAYLOR
PHONE NUMBER 301 454 0100
INSTITUTION OR AGENCY UNIVERSITY OF MARYLAND
STREET NATURAL RESOURCES INSTITUTE
CITY COLLEGE PARK
STATE MARYLAND
ZIP CODE 20740

FILE NAME BIOLOGY AND CATCH DISTRIBUTION OF THE DOLPHIN
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
ABSTRACT INVESTIGATION OF THE DOLPHIN, CORYPHAENA HIPPURUS,
OFF NORTH CAROLINA WITH ANALYSIS OF LENGTH, WEIGHT, AGE, BIOLOGICAL CONDITION,
FECUNDITY, GONADAL DEVELOPMENT, SEX RATIO, GUT ANALYSIS, MIGRATION, SPawning,
AND PARASITIC ORGANISMS. SAMPLES FROM COMMERCIAL AND SPORT FISHERY CATCH.
NAME LIBRARIAN
PHONE NUMBER 919 727 3364
INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
STREET G.H. HILL LIBRARY
CITY RALEIGH
STATE NORTH CAROLINA
ZIP CODE 27607

FILE NAME BIOLOGY AND DISTRIBUTION OF SHARK FAUNA IN
CHESAPEAKE BAY AND NEARBY WATERS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, COASTAL
ABSTRACT GENERAL SURVEY OF THE SEASONALITY AND DISTRIBUTION
OF SHARKS IN THE VICINITY OF CHESAPEAKE BAY. LIFE HISTORY DATA ON CARCHARINUS
PLUMBEUS, C. OBSCURUS, AND C. FALCIFORMIS. LENGTH, WEIGHT, SEX, GONADAL
CONDITION, STOMACH CONTENTS, AGE DETERMINATION DATA INCLUDED. SAMPLING GEAR
INCLUDES LONGLINE, GILL NET AND HULL SEINE.

NAME EDWARD LAWLER
PHONE NUMBER 804 642 2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME BIONOMICS AND PHYSIOLOGICAL AGING OF CULISETTA
MELANURA (CCQUILLET) IN DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE, CYPRESS
SWAMP
ABSTRACT THIS FILE CONTAINS SPECIATION, COUNTS, AND SEX DATA
ON THE MOSQUITO, CULISETTA MELANURA (CCQUILLET), COLLECTED IN CYPRESS SWAMP,
DELAWARE ON A DAILY BASIS FROM MAY TO SEPTEMBER 1969. THE DATA, CONTAINED IN
AN M.S. THESIS BY FRANK W. VAN ESSER, WAS PURSUANT TO A MOSQUITO BIONOMIC AND
PHYSIOLOGICAL STUDY.

NAME ROBERT LAKE
PHONE NUMBER 302 738 2526
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
STREET DEPARTMENT OF ENTOMOLOGY
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME BIONOMICS AND PHYSIOLOGICAL AGING OF CULISETTA
MELANURA (CCQUILLET) IN DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
A STUDY CONDUCTED IN 1969 AND 1970 TO DETERMINE THE PRESENCE OF EASTERN
ENCEPHALITIS VIRUS IN THE PREDOMINANT MOSQUITO SPECIES IN DELAWARE, ESPECIALLY
CULISETTA MELANURA. INCLUDED ARE OBSERVATIONS ON THE BIOLOGY AND DISTRIBUTION
OF C. MELANURA IN THE STATE.

NAME MORRIS LITERARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME BIONOMICS OF Aedes SOLICITANS (WALKER)
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, PORT MARCHON
ABSTRACT A MOSQUITO ECOLOGY STUDY WAS CONDUCTED AT PORT
MARCHON, DELAWARE FROM JANUARY, 1966 THROUGH DECEMBER, 1964. THE FOLLOWING
PARAMETERS WERE STUDIED: LARVAL DEVELOPMENT, PREDATION, SPECIES AND COUNTS OF
MOSQUITOS, HABITAT, FEEDING, AND MARSH PHYSIOLOGICAL AND CHEMICAL
CONDITIONS.

NAME ROBERT LAKE
PHONE NUMBER 302 738 2526
INSTITUTION OR AGENCY DEPARTMENT OF ENTOMOLOGY
STREET UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME BIONOMICS OF HARDWOOD DEFOLIATORS IN THE
NORTHEASTERN UNITED STATES
GENERAL GEOGRAPHIC AREA NORTH AMERICA, NORTHEAST UNITED STATES
ABSTRACT STUDY OF THREE SPECIES OF DEFOLIATOR INSECTS AND
THEIR EFFECTS ON HARDWOODS, MOSTLY SUGAR MAPLE, BLACK CHERRY AND RED MAPLE AT
35 STANDS IN THE NORTHEAST FROM PENNSYLVANIA TO MAINE. EACH STAND SAMPLED 3
TIMES PER YEAR FROM 1969 TO 1975. AT EACH STAND, 10 TREES WERE SELECTED AND
TWO FOLIAGE SAMPLES TAKEN FROM EACH TREE. INSECTS AND THEIR PARASITES AND
PREDATORS WERE IDENTIFIED AND COUNTED, AND ARE EXPRESSED AS NUMBER OF INSECTS
PER LEAF CLUSTER PER TREE SPECIES AT A SPECIFIC TIME AND LOCATION.

NAME DOUGLAS C. ALLEN
PHONE NUMBER 315 473 8751
INSTITUTION OR AGENCY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
STREET 146 ILLICK HALL
CITY SYRACUSE
STATE NEW YORK
ZIP CODE 13210

FILE NAME BIRD DIVERSITY AND ABUNDANCE IN URBAN WOODLANDS OF
NORTHERN DELAWARE, 1966-1968
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
STUDIES CONDUCTED FROM 1966 TO 1968 TO DETERMINE HOW PARKLAND MANAGEMENT AND
HUMAN USE AFFECT THE COMPOSITION AND ABUNDANCE OF BIRD SPECIES IN URBAN
WOODLANDS AND TO DEVELOP A PRELIMINARY LIST OF BIRD SPECIES USING THE URBAN
WOODLANDS OF NORTHERN DELAWARE.

NAME MORRIS LITERARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME BIRD DIVERSITY IN URBAN WOODLANDS OF NORTHERN
 DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT AFFECT OF PARKLAND MANAGEMENT ON BREEDING BIRD
 POPULATIONS WAS STUDIED IN URBAN WOODLAND AREAS IN NEW CASTLE COUNTY,
 DELAWARE. THE ECOLOGY, PARTICULARLY REPRODUCTIVE SUCCESS, OF THE WOOD THRUSH
 AND ROBIN WERE INTENSIVELY STUDIED. VEGETATIVE ANALYSIS WAS CORRELATED WITH
 ABUNDANCE AND DISTRIBUTION OF BIRDS.
 NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME BIRD SPECIES DIVERSITY AND THE SIZE OF OAK WOODS IN
 CENTRAL NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, HUTCHESON MEMORIAL
 FOREST
 ABSTRACT THE PURPOSE OF THIS STUDY WAS TO DETERMINE THE
 RELATIONSHIP BETWEEN HABITAT SIZE AND BIRD SPECIES DIVERSITY OF THE MIXED OAK
 FORESTS ON THE NEW JERSEY PIEDMONT. ADDITIONAL OBJECTIVES WERE: 1) TO
 DETERMINE THE FOREST HABITAT SIZE REQUIREMENTS OF INDIVIDUAL BIRD SPECIES AND
 2) TO DISTINGUISH BETWEEN EDGE SPECIES AND CLOSED OR INTERIOR SPECIES.
 NAME REFERENCE LIBRARIAN
 PHONE NUMBER 201 732 1766
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME BIRDS OF RHODE ISLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, RHODE ISLAND
 STATEWIDE EXTENDING OFFSHORE TO COX LEDGE
 ABSTRACT A FACULTY MEMBER OF BERKSHIRE COMMUNITY COLLEGE,
 MASSACHUSETTS, IS ACCUMULATING DATA REGARDING BIRD DISTRIBUTION IN RHODE
 ISLAND, BOTH ON AND OFFSHORE. DATA ARE COLLECTED BY BOTH FIELD WORK AND BY
 COLLABORATING WITH OTHER SOURCES SUCH AS AGENCIES, INDIVIDUALS, ETC.;
 HISTORICAL DATA HAVE ALSO BEEN ACQUIRED. THESE DATA ARE AVAILABLE UPON
 REQUEST.
 NAME DICK FERREN
 PHONE NUMBER 413 495 4660
 INSTITUTION OR AGENCY BERKSHIRE COMMUNITY COLLEGE
 CITY PITTSFIELD
 STATE MASSACHUSETTS
 ZIP CODE 01201

FILE NAME BLACK DUCK PRODUCTION STUDIES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE TIDAL MARSHLANDS
 ABSTRACT DATA COLLECTED DURING A FIELD STUDY CARRIED OUT
 FROM 1969 THROUGH 1972 ON THE PRODUCTION OF BLACK DUCKS IN THE TIDAL
 MARSHLANDS OF DELAWARE ARE PRESENTED IN REPORT FORM. HATCHING SUCCESS OF WILD
 AND CAPTIVE CLUTCHES, BLACK DUCK UTILIZATION OF ARTIFICIAL NETS, BLACK DUCK
 BREEDING POPULATIONS AND PREDATOR POPULATIONS ARE AMONG THE PARAMETERS
 MEASURED. THE OBJECTIVE OF THE STUDY WAS TO DETERMINE THE PRESENT WATER FOWL
 PRODUCTION AS A BASIS FOR EVALUATING FUTURE WATER FOWL PRODUCTION AND
 MANAGERIAL ACTIVITIES.
 NAME STAFF-DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME BLOOD SERUM CONSTITUENTS OF DECAPOD CRUSTACEANS
 FROM NORFOLK CANYON-JUNE 1973
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF
 OFF VIRGINIA
 ABSTRACT BIOCHEMICAL ANALYSIS OF DECAPOD CRUSTACEANS TAKEN
 ON THE CONTINENTAL SHELF AND NORFOLK CANYON AREA OFF THE COAST OF VIRGINIA.
 DEPTH OF COLLECTIONS RANGED FROM 75 TO 2000 METERS
 NAME MAURICE F. LYNCH, PhD
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME BLUE CRAB BIOLOGY IN THE VICINITY OF ARTIFICIAL
 ISLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER, COASTAL
 ABSTRACT SIZE, DISTRIBUTION, SEX RATIO, AND OBSERVATIONS ON
 GROWTH OBTAINED FROM THE COMMERCIAL POT FISHERY AND ICHTHYOLOGICAL ASSOCIATES
 BIOLOGICAL SAMPLING PROGRAM. HYDRO DATA FROM OTHER FILES USED. 1972 REPORT
 INCLUDES DATA ON LARVAL CRABS FROM 1971 AND 1972 FIELD PROGRAM. AN ANNUALLY
 REPETITIVE PROGRAM IS EXPECTED.
 NAME VICTOR J. SCHULEF
 PHONE NUMBER 301 378 8665
 INSTITUTION OR AGENCY ICHTHYOLOGICAL ASSOCIATES
 STREET BOX 35 RD 2
 CITY MIDDLETOWN
 STATE DELAWARE
 ZIP CODE 19705

FILE NAME BLUE CRAB BLOOD SERUM
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY,
 TRIBUTARIES, EASTERN SHORE OF VIRGINIA
 ABSTRACT VARIATION OF BLOOD SERUM CHLORIDE, MAJOR CATIONS,
 OSMOTIC CONCENTRATION, PROTEIN, GLUCOSE, TOTAL NINHYDRIN POSITIVE SUBSTANCES,
 AND TRACE METALS WERE DETERMINED IN NATURE BLUE CRABS, CALLINectes SAPIDUS,
 TAKEN FROM A RANGE OF ENVIRONMENTAL CONDITIONS IN TIDAL WATERS OF VIRGINIA.
 NAME MAURICE P. LYNCH, PHD
 PHONE NUMBER 804 642 2111 X71
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME BLUE CRAB DREDGE SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND
 ABSTRACT SURVEY OF BLUE CRAB TAKEN DURING OYSTER DREDGE
 SURVEY. FILE INCLUDES SEX, SIZE, MOLT STAGE, WATER TEMPERATURE, SALINITY AND
 DEPTH DATA FROM WINTER SURVEY. ALL CRABS TAKEN IN SAMPLE ARE TALLIED AND
 COMPILED INTO FREQUENCY TABLES.
 NAME WILLIAM A CUTTEN
 PHONE NUMBER 301-267-5151
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAXES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME BLUE CRAB STUDY IN CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MD
 AND VA STATE LINE TO CHOPTANK RIVER
 ABSTRACT ABUNDANCE AND MORTALITY OF BLUE CRABS IN THE
 NORTHERN PORTION OF CHESAPEAKE BAY ARE STUDIED BY REGULAR SAMPLINGS WITH
 BOTTOM DREDGE AND OTTER TRAWL
 NAME STEPHEN C. SULKIN
 PHONE NUMBER 301 326 4261 X66
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SOLCUMS
 STATE MARYLAND
 ZIP CODE 20688

FILE NAME BLUE CRAB STUDY, CHESAPEAKE BAY MARYLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, COASTAL
 ABSTRACT THE ABUNDANCE, SIZE, AND DISTRIBUTION OF BLUE CRABS
 IN THE CHESAPEAKE BAY WERE SURVEYED FOR A THREE YEAR PERIOD. OTHER DATA
 AVAILABLE FROM THIS STUDY INCLUDES RELATIVE ABUNDANCE BY SPECIES OF DEMERSAL
 FISH AND BENTHOS OTHER THAN ELLE CRAB.
 NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 301 226 5540
 INSTITUTION OR AGENCY NATIONAL MARINE FISHERIES SERVICE
 STREET CXFORD BIOLOGICAL LABORATORY
 CITY CXFORD
 STATE MARYLAND
 ZIP CODE 21654

FILE NAME BLUE CRABS IN THE CHESAPEAKE AND DELAWARE CANAL
 REGION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 DELAWARE BAY, C AND D CANAL
 ABSTRACT BLUE CRABS IN THE CHESAPEAKE AND DELAWARE CANAL AND
 ADJACENT AREAS OF THE CHESAPEAKE AND DELAWARE BAYS WERE SAMPLED BY BOTTOM
 TRAWL AT QUARTERLY INTERVALS. 600 CRABS OF ALL SIZES WERE TAGGED AND RELEASED
 THROUGHOUT THESE AREAS UTILIZING A NEW TYPE OF TAG DEVELOPED FOR TAGGING
 JUVENILE BLUE CRABS. THE TAGS ARE MAINTAINED DURING MOLTING
 NAME STEPHEN C. SULKIN
 PHONE NUMBER 301 326 4261 X66
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SOLCUMS
 STATE MARYLAND
 ZIP CODE 20688

FILE NAME BLUE CRABS IN THE CHESAPEAKE AND DELAWARE CANAL
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND
 ABSTRACT A STUDY TO DETERMINE THE STATUS OF THE BLUE CRAB
 POPULATION IN THE CHESAPEAKE AND DELAWARE REGION WAS CONDUCTED. PARAMETERS
 PRESERVED WERE COUNT, SEX DETERMINATION AND LENGTH/WEIGHT RATIOS OF CRABS AND
 HYDROGRAPHIC DATA.
 NAME STEPHEN C. SULKIN
 PHONE NUMBER 301 454 0100
 INSTITUTION OR AGENCY UNIVERSITY OF MARYLAND
 STREET NATURAL RESOURCES INSTITUTE
 CITY COLLEGE PARK
 STATE MARYLAND
 ZIP CODE 20740

FILE NAME BLUEFISH STUDIES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., CONNECTICUT, LONG ISLAND
 SOUND, BLOCK ISLAND SOUND, PECONIC BAY, GARDINERS BAY
 ABSTRACT SPANNING, MIGRATION, AND MOVEMENT OF BLUEFISH,
 POMATOCMUS SALTATRIX, IN LONG ISLAND SOUND, BLOCK ISLAND SOUND AND THE COASTAL
 WATERS OF LONG ISLAND AND CONNECTICUT WAS STUDIED FROM 1964 THROUGH 1970.
 WATER WAS SAMPLED TO FIND TEMPERATURE AT TIME OF FIRST LARVAL APPEARANCE.
 SAMPLES OF LARVAL AND YOUNG FISH WERE TAKEN AND STORED. ESTIMATES WERE MADE
 OF THE NUMBER OF SNAPPER BLUEFISH IN COASTAL WATERS. GROWTH RATE WAS STUDIED
 BY CONTINUAL SAMPLING AND OBSERVATION. TAGGING STUDIES WERE CONDUCTED TO
 TRACE LOCAL MOVEMENT.

NAME DR. WILLIAM LUND
 PHONE NUMBER 203 536 4223
 INSTITUTION OR AGENCY MARINE RESEARCH LABORATORY, UNIVERSITY OF
 CONNECTICUT
 CITY NORWICH
 STATE CONNECTICUT
 ZIP CODE 06340

FILE NAME BOMBAY HOOK NATIONAL WILDLIFE REFUGE BASE LINE STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY,
 DELAWARE BOMBAY HOOK ISLAND
 ABSTRACT MISSION W025, FLT. 1, OCTOBER 19, 1970, WITH
 WALLEPS STATION CHARTERED BELL 205 HELICOPTER EQUIPPED WITH A POD OF 4 T-11
 AERIAL MAPPING CAMERAS. FLIGHT MADE FOR CHESAPEAKE BAY ECOLOGICAL PROGRAM
 OFFICE FOR PURPOSE OF OBTAINING BASE LINE REMOTE SENSER DATA OVER THE BOMBAY
 HOOK WILDLIFE REFUGE BETWEEN THE SMYRNA RIVER AND LITTLE RIVER ON DELAWARE
 SHORE OF DELAWARE BAY. FLIGHT IN CLEAR WEATHER, SLIGHT HAZE, AIR TEMP. 0 DEG.
 C AT 10,000 FT., MSL WITH WIND OF 26 KNOTS FROM 280 DEG.

NAME FALL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME BOTTOM SEDIMENT SAMPLES FROM LOWER CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY
 MOUTH, VIRGINIA
 ABSTRACT BOTTOM SEDIMENT SAMPLES FROM LOWER CHESAPEAKE BAY.
 3 ABIECTIC PARAMETERS MEASURED.

NAME JOHN LUDWICK
 PHONE NUMBER 703-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME BOTTOM SEDIMENTS OF THE YORK RIVER, SOUTHEASTERN
 VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, VIRGINIA, LOWER
 CHESAPEAKE BAY, YORK RIVER
 ABSTRACT SEDIMENT MASS PROPERTIES WERE STUDIED AT VARIOUS
 LOCATIONS ALONG THE YORK RIVER ESTUARY, VIRGINIA. THE DATA WAS USED TO
 DELINEATE AREAS OF SEDIMENT REMOVAL AND DEPOSITION WITHIN THE ESTUARY.

NAME DR. RICHARD W. FAAS
 PHONE NUMBER 215 253 6261
 INSTITUTION OR AGENCY LAFAYETTE COLLEGE, CHAIRMAN DEPARTMENT OF GEOLOGY
 CITY EASTON
 STATE PENNSYLVANIA
 ZIP CODE 18042

FILE NAME BOWE WALSH REPORT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 GREAT SOUTH BAY
 ABSTRACT AN OCEANOGRAPHIC AND BIOLOGICAL STUDY OF THE
 COASTAL OCEAN BETWEEN FIRE ISLAND INLET AND JONES INLET AND THE ADJACENT
 ESTUARIES OF SOUTH CYSTER BAY AND WESTERN GREAT SOUTH BAY, LONG ISLAND, NEW
 YORK WAS CONDUCTED BETWEEN MAY AND OCTOBER 1972. THE SAMPLING PROGRAM
 CONSISTED OF 19 OFFSHORE STATIONS EXTENDING TO 14.5 KM (9 MILES) FROM SHORE,
 WHICH WERE SPACED ALONG FIVE NORTH-SOUTH TRANSECTS BETWEEN FIRE ISLAND AND
 JONES INLET. SIXTEEN STATIONS WERE LOCATED IN THE BAYS WITH ADDITIONAL
 DATA-POINTS COLLECTED BY MEANS OF A CONTINUOUS-FLOW SAMPLING SYSTEM.

NAME CHARLES D. FARCY
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11750

FILE NAME ECWIE-ANNAPOLIS-BALTIMORE AND BALTIMORE-NEWARK
 URBAN AREA PLANNING STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., COASTAL, DELAWARE BAY, DELAWARE, MARYLAND, NEWARK, ECWIE-ANNAPOLIS AREA
 ABSTRACT MISSION W193, FLT. 1, MARCH 16, 1973, WITH WALLCPS STATION C-54 AIRCRAFT EQUIPPED WITH AN I2S AND A T-11 AERIAL MAPPING CAMERA SYSTEM IN COOPERATION WITH MD. DEPT. OF STATE PLANNING. OBJECTIVE - TO OBTAIN LARGE SCALE AERIAL PHOTOGRAPHY FOR LAND USE PLANNING IN THE RAPIDLY DEVELOPING ECWIE-ANNAPOLIS-BALTIMORE AREA, AND THE BALTIMORE-NEWARK CORRIDOR. FLIGHT IN HAZY WEATHER WITH THIN OVERCAST, AIR TEMP. 5 DEG. C AT 9500 FT., MSL WITH WIND OF 30 KNOTS FROM 270 DEG.

NAME PALL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME BRANDYWINE RIVER POLLUTION STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, DELAWARE, BRANDYWINE RIVER
 ABSTRACT MISSION W225, FLT. 1, JULY 5, 1973, WITH WALLCPS STATION HELICOPTER EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH CHESTER COUNTY HEALTH DEPT. AND THE U.S. GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN LARGE SCALE AERIAL PHOTOGRAPHY OF BRANDYWINE RIVER FROM ITS CONFLUENCE WITH THE DELAWARE RIVER AND INTERSECTION OF PENN. RT. 162 WITH ITS EAST AND WEST BRANCHES. IMAGERY TO BE USED FOR LOCATING POLLUTION OUTFALLS ON RIVER AND FOR LOCATING POSSIBLE DUMPING SITES OF ANIMAL OR HUMAN WASTE. FLIGHT IN SCATTERED CLOUDS, VISIBILITY UP TO 5 MILES, AIR TEMP. 18 DEG. C AT 1250 FT., MSL WITH WIND OF 10 KNOTS FROM 360 DEG.

NAME PALL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME BRANDYWINE RIVER POLLUTION STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, DELAWARE, BRANDYWINE RIVER
 ABSTRACT MISSION W224, FLT. 1, JUNE 12, 1973, WALLCPS STATION C-54 AIRCRAFT WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE U. S. GEOLOGICAL SURVEY AND CHESTER COUNTY, PENN. HEALTH DEPT. OBJECTIVE - TO PROVIDE SUPPORT TO CHESTER COUNTY HEALTH DEPT. IN LOCATING POSSIBLE SOURCES OF ANIMAL AND/OR HUMAN WASTE MATERIALS IN CHADS FORD AREA OF BRANDYWINE RIVER.

NAME PALL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME BRIGANTINE INLET SHORE PROTECTION PROGRAM
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW YORK BIGHT, NEW JERSEY, BRIGANTINE INLET
 ABSTRACT ICC STATIONS LOCATED AT BRIGANTINE INLET, NEW JERSEY WERE SAMPLED FROM JULY 1967 TO SEPTEMBER 1970 FOR BATHYMETRY, CURRENT SPEED AND DIRECTION, TEMPERATURE, ELECTRICAL CONDUCTIVITY, TIDAL HEIGHT, AND SEDIMENT SIZE ANALYSIS.

NAME KEMELE WICMER, STATE GEOLOGIST
 PHONE NUMBER 609 252 2576
 INSTITUTION OR AGENCY NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION
 STREET BUREAU OF GEOLOGY AND TOPOGRAPHY, P.O. BOX 1390
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME BROADKILL RIVER TIDAL CYCLE CHEMICAL DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY,
 BROADKILL RIVER, ROOSEVELT INLET
 ABSTRACT THE BROADKILL RIVER AT THE ROOSEVELT INLET FROM
 DELAWARE BAY WAS MONITORED OVER A TIDAL CYCLE ON NOVEMBER 16, 1973 AS A PART
 OF A GRADUATE COURSE PROJECT BY THE UNIVERSITY OF DELAWARE'S COLLEGE OF MARINE
 STUDIES. DATA TAKEN EVERY 20 MINUTES INCLUDES SALINITY, TEMPERATURE, CURRENT
 SPEED, TOTAL PHOSPHATE, CHLOROPHYLL A, TOTAL AND PARTICULATE CARBOHYDRATE,
 TOTAL LOADING, AND NITRITRIL LOADING. BOTH TOTAL PARTICULATE LOADING AND THAT
 RETAINED BY A NUMBER 10 MESH NET WERE DETERMINED FOR EACH OF 12 CBS MADE.

NAME CHARLES BRINE
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET COLLEGE OF MARINE STUDIES
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME BROOKHAVEN NATIONAL LAB. SEWAGE TREATMENT PLANT DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND, SUFFOLK COUNTY, UPTON
 ABSTRACT 1 STATION AT A SEWAGE TREATMENT PLANT LOCATED AT
 UPTON WAS SAMPLED FROM JANUARY 1970 TO THE PRESENT FOR WATER TRANSPORT, WATER
 TEMPERATURE, PH, PARTICULATE MATTER, BIOCHEMICAL OXYGEN DEMAND, TOTAL CHLORINE
 RESIDUAL, SUSPENDED SOLIDS (DRY WEIGHT), AND COLIFORMS.

NAME GERSON J. WATT
 PHONE NUMBER 516 234 2622 X242
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL
 CONTROL, WATER POLLUTION CONTROL SECTION
 STREET 1324 MOTOR PARKWAY
 CITY HALFPALGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME CALVERT CLIFFS MARYLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, CHESAPEAKE
 BAY, CALVERT CLIFFS
 ABSTRACT THIS FILE CONTAINS THE RADIOACTIVITY BACKGROUND
 DATA FOR THE CHESAPEAKE BAY WATER, SEDIMENTS, AND BENTHIC BIOTA IN THE
 VICINITY OF THE CALVERT CLIFFS NUCLEAR POWER STATION. THE DATA TAKEN IN 1974
 AND 1975 INCLUDES GROSS BETA COUNTS, TRITIUM ACTIVITY, TOTAL STRONTIUM,
 STRONTIUM-90, GROSS GAMMA COUNTS FOR THE WATER, SEDIMENTS AND BENTHIC
 COMMUNITIES. ALSO SOME CHARACTERIZATION OF THE SEDIMENT WAS MADE WITH DATA
 INCLUDING PH, SIZE ANALYSIS AND TYPE.

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 PHONE NUMBER 215 564 3921
 INSTITUTION OR AGENCY PHILADELPHIA ACADEMY OF NATURAL SCIENCE
 STREET 19TH AND THE PARKWAY
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19103

FILE NAME CAMDEN COUNTY, NEW JERSEY WASTEWATER MANAGEMENT AND
 FACILITIES STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, NEW JERSEY, COASTAL, CAMDEN COUNTY
 ABSTRACT THIS IS A COMPLETE ENVIRONMENTAL STUDY OF A LARGE
 PORTION OF CAMDEN COUNTY, NEW JERSEY. SOIL MAPPING AND DESCRIPTIONS, FAUNAL
 AND FLORAL INVENTORIES, SURFACE AND GROUNDWATER ANALYSES FOR 32 DISSOLVED
 ELEMENTS, MANY PESTICIDES AND MOST IMPORTANT NUTRIENTS, CLIMATIC DATA, AND
 PHYSICAL AND BIOLOGICAL CHARACTERISTICS OF WATER ARE INCLUDED. THE REPORT
 MAKES EXTENSIVE USE OF PREVIOUS PUBLICATIONS AND HAS A COMPLETE BIBLIOGRAPHY.
 ANALYSES WERE DONE BY AN INDEPENDENT LABORATORY AND RESULTS WERE REPORTED
 WITHOUT METHODS.

NAME JAMES A. SCHMID
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 INSTITUTION OR AGENCY JACK MCCORMICK AND ASSOCIATES
 STREET 660 WATERLOO RD.
 CITY DEVOA
 STATE PENNSYLVANIA
 ZIP CODE 19333

FILE NAME CAPTREE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 LONG ISLAND, SUFFOLK COUNTY, CAPTREE
 ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
 OF CAPTREE MARSH LANDS WERE CONDUCTED AT 15 STATIONS FROM MAY 1973 TO DECEMBER
 1973.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 MOTOR PARKWAY
 CITY HAUPPAUGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME CAPTREE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 LONG ISLAND, SUFFOLK COUNTY, CAPTREE
 ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
 OF CAPTREE MARSH LAND WERE CONDUCTED AT 61 STATIONS FROM MAY 1972 TO DECEMBER
 1972.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 MOTOR PARKWAY
 CITY HAUPPAUGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME CAPTURE AND MARKING OF WILD DEER
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT WHITE-TAILED DEER HAVE BEEN CAPTURED, TAGGED, AND
 RELEASED IN NEW JERSEY ON AN ANNUAL BASIS SINCE THE SPRING OF 1969 IN ORDER TO
 STUDY MOVEMENTS ON A SEASONAL, ANNUAL, AND LIFE-TIME BASIS, TO MARK KNOWN AGE
 ANIMALS (Fawns) FOR CLARIFICATION OF AGING TECHNIQUES IN CERTAIN SECTIONS OF
 THE NEW JERSEY DEER RANGE, AND TO OBTAIN INFORMATION ON CONDITION OF DEER ON
 WINTER RANGE. DEER HAVE BEEN SEXED, AGED, AND WEIGHED AT TIMES OF TAGGING AND
 RECOVERY.
 NAME PRINCIPAL WILDLIFE BIOLOGIST
 PHONE NUMBER 201 735 6793
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET CLINTON WILDLIFE MANAGEMENT AREA
 CITY HAMPTON
 STATE NEW JERSEY
 ZIP CODE 08627

FILE NAME CARBONATE, TOTAL CARBON AND ORGANIC CARBON IN DEEP
 SEA CERES
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
 ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS
 INSTITUTION OF OCEANOGRAPHY IS AFFILIATED WITH THE JOINT OCEANOGRAPHIC
 INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). DSDP HAS TAKEN GEOLOGICAL AND
 GEOPHYSICAL DATA FROM THE DRILLING SHIP GLCMAR CHALLENGER AT 383 SITES OVER
 THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED AND ARCHIVED BY
 THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND RETRIEVAL
 METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE FROM THE
 GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS A
 SEPARATE FILE. DETERMINATIONS OF CARBONATE CONTENT, TOTAL CARBON AND ORGANIC
 CARBON ARE MADE OF SAMPLES TAKEN AT ARBITRARY INTERVALS ALONG THE CORE. A
 SAMPLE IS TAKEN APPROXIMATELY EVERY 1.5 METERS. A LECC ANALYZER IS USED.
 NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3529
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF
 OCEANOGRAPHY
 STREET P.O. BOX 1525
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92032

FILE NAME CARIDEAN SHRIMPS OF THE SOUTHWESTERN NORTH ATLANTIC
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH
 CAROLINA-FLORIDA AND NORTH AMERICA, U.S., GULF OF MEXICO, LOUISIANA-TEXAS
 ABSTRACT A TWELVE YEAR STUDY OF CARIDEAN SHRIMPS OF THE
 SOUTHWESTERN NORTH ATLANTIC OCEAN FROM NORTH CAROLINA TO FLORIDA AND THE GULF
 OF MEXICO FROM LOUISIANA TO TEXAS. STUDY INCLUDES SPECIES DETERMINATION,
 COUNTS, BIOMASS, AND MORPHOMETRIC MEASUREMENTS OF CARIDEAN SHRIMPS. OTHER
 PARAMETERS INCLUDE BOTTOM TYPE, BATHYMETRY, WATER TEMPERATURE, SEA STATE,
 CURRENT SPEED, SECCHI DISC DEPTH, AND PRECIPITATION AMOUNT. CARIDEAN SHRIMPS
 WERE TAKEN ON VESSELS: CREGON, PELICAN, COMBAT AND SILVER BAY; GEAR USED
 INCLUDES FORTY BY ONE-HUNDRED FOOT COMMERCIAL TRAWLS AT BOTTOM AND MID-WATER
 DEPTHS, EIGHT FOOT SCALLOP CREGGES AND SIX TO TEN FOOT TUMBLER CREGGES.
 NAME LIBRARIAN
 PHONE NUMBER 919 684 6111
 INSTITUTION OR AGENCY DUKE UNIVERSITY
 STREET BIOLOGICAL SCIENCES LIBRARY
 CITY DURHAM
 STATE NORTH CAROLINA
 ZIP CODE 27706

FILE NAME CATCH AND VALUE OF THE CHESAPEAKE BAY BLUE CRAB
 1880-1966
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, MARYLAND
 ABSTRACT COMPUTATION OF COMMERCIAL FISHING ACTIVITY IN THE
 BLUE CRAB FISHERY OF CHESAPEAKE BAY 1961-1966. REPORT INCLUDES CATCH, VALUE,
 FISHING EFFORT, GEAR AND NUMBER OF FISHERMAN PARTICIPATING IN FISHERY.
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME CATCH AND VALUE OF THE CHESAPEAKE BAY BLUE CRAB
 1880-1960
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, MARYLAND
 ABSTRACT COMPUTATION OF COMMERCIAL FISHING ACTIVITY IN THE
 BLUE CRAB FISHERY OF CHESAPEAKE BAY, 1880-1960. REPORT INCLUDES CATCH, VALUE,
 FISHING EFFORT, GEAR AND NUMBER OF FISHERMEN PARTICIPATING IN FISHERY
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
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FILE NAME CATCH AND VALUE OF VARIOUS AMERICAN CRUSTACEANS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA
 ABSTRACT COMPUTATION OF CATCH AND VALUE OF COMMERCIALY
 VALUABLE CRUSTACEANS IN THE CHESAPEAKE BAY AND OTHER AREAS WHICH INCLUDE NEW
 ENGLAND, MIDDLE ATLANTIC REGION, PACIFIC COAST, GULF COAST, ALASKA AND HAWAII;
 1929-1960
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME CATCH PER UNIT EFFORT DATA ON THE ALCSIC FISHERY OF
 VIRGINIA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, YORK RIVER, JAMES RIVER, RAPPAHANNOCK RIVER, POTOMAC RIVER
 ABSTRACT AERIAL OBSERVATIONS ON THE NUMBER OF POUND NETS AND
 GILL NETS IN OPERATION IN THE ESTUARIES AND RIVERS OF VIRGINIA
 NAME WALTER FAGMAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME CATCH RECORDS OF ATLANTIC MENHADEN
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MAINE TO FLORIDA
 ABSTRACT COMMERCIAL CATCH RECORDS OF ATLANTIC MENHADEN FROM
 ENTIRE RANGE OF FISHERY.
 NAME DIRECTOR
 PHONE NUMBER 919 726 4595
 INSTITUTION OR AGENCY ATLANTIC ESTUARINE FISHERIES CENTER
 STREET NATIONAL MARINE FISHERIES SERVICE
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME CAUSES OF BALD EAGLE MORTALITY, 1960-1965
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., ALASKA, ARKANSAS, ALABAMA,
 FLORIDA, MASSACHUSETTS, OHIO, N. CAROLINA, WISCONSIN, ILLINOIS, MICHIGAN,
 MAINE, VERMONT, DELAWARE, MISSOURI, NEBRASKA, NORTH AND SOUTH DAKOTA,
 MINNESOTA, IOWA, CALIFORNIA, GREGG, AND IDAHO
 ABSTRACT THIS STUDY LISTS THE CAUSES OF BALD EAGLE MORTALITY
 FROM 1965 TO 1967. 76 EAGLES WERE RECOVERED, AND CAUSE OF DEATH, IF POSSIBLE,
 WAS DETERMINED.
 NAME N.C. COON
 PHONE NUMBER 301 776 4880
 INSTITUTION OR AGENCY U.S. BUREAU OF SPORT FISHERIES AND WILDLIFE
 STREET PATUXENT WILDLIFE RESEARCH CENTER
 CITY LARREL
 STATE MARYLAND
 ZIP CODE 20810

FILE NAME CBI DATA BANK-BOHEMIA RIVER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, COASTAL, ELK RIVER, MARYLAND
 ABSTRACT DEPTH, TEMPERATURE, AND SALINITY DATA FOR BOHEMIA RIVER, MARYLAND ON CBI DATA BANK. FROM APRIL 1955
 NAME CAROL FEISTER
 PHONE NUMBER 301-366-3300 X 750
 INSTITUTION OR AGENCY JCHAS HOPKINS UNIVERSITY, CHESAPEAKE BAY INSTITUTE
 CITY BALTIMORE
 STATE MARYLAND
 ZIP CODE 21218

FILE NAME CBI DATA BANK-CHESAPEAKE AND DELAWARE CANAL
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY
 ABSTRACT DEPTH, TEMPERATURE, SALINITY AND DISSOLVED OXYGEN DATA FOR CHESAPEAKE AND DELAWARE CANAL ON CBI DATA BANK. DATA FROM APRIL 1955 THROUGH APRIL 1956.
 NAME CAROL FEISTER
 PHONE NUMBER 301-366-3300 X 750
 INSTITUTION OR AGENCY JCHAS HOPKINS UNIVERSITY, CHESAPEAKE BAY INSTITUTE
 CITY BALTIMORE
 STATE MARYLAND
 ZIP CODE 21218

FILE NAME CBI MUSEUM COLLECTIONS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY
 ABSTRACT SCIENTIFIC SPECIMENS COLLECTED IN CHESAPEAKE BAY AND VICINITY AND MAINTAINED IN CBI MUSEUM. 4365 CATALOG ENTRIES IN THE COLLECTION ARE AVAILABLE FOR ON SITE EXAMINATION AND LOAN.
 NAME MARTIN L. WILEY
 PHONE NUMBER 301 326 4281
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SCIENCE
 STATE MARYLAND
 ZIP CODE 20668

FILE NAME CECIL COUNTY WETLAND STUDIES-MARYLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MARYLAND, CECIL COUNTY
 ABSTRACT MISSION W050, FLIGHT01, WAS ACCOMPLISHED ON OCTOBER 15, 1971, UTILIZING THE WILCOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY AND THE MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY THE SEASONAL CHANGES OF FRESHWATER AND ESTUARINE MARSHES USING COLOR AND FALSE COLOR INFRARED AERIAL PHOTOGRAPHY.
 NAME MICHAEL CANGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILCOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME CELL SURVEY AND USE OF SOILS OF NEW YORK STATE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, GREAT LAKES
 ABSTRACT SOIL SURVEYS OF 52 COUNTIES IN NEW YORK STATE. EACH COUNTY HAS OVER 50 PLUS MAPS SCALE OF 4 INCHES TO THE MILE. MAPS WERE MADE FROM FIELD WORK WITH AIRCRAFT PHOTOS AS A BASE MAP. EACH COUNTY REPRESENTS 20 MAN YEARS OF WORK IN COMPILING THE DATA. PUBLICATIONS ARE AVAILABLE FOR ONLY ABOUT 1/4 OF THE COUNTIES BUT MAPS ARE AVAILABLE FOR NEARLY ALL THE COUNTIES.
 NAME DR. G. W. ELSON
 PHONE NUMBER 607 256 3267
 INSTITUTION OR AGENCY CORNELL UNIVERSITY
 STREET 701 BRADFIELD HALL
 CITY ITHACA
 STATE NEW YORK
 ZIP CODE 14850

FILE NAME CHAETOGNATHS OF DELAWARE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, INDIAN RIVER INLET
 ABSTRACT SPECIES DETERMINATION AND COUNT WERE MADE OF CHAETOGNATHA COLLECTED BIWEEKLY AT 48 LOCATIONS IN THE DELAWARE BAY OVER A 7 MONTH PERIOD BEGINNING IN NOVEMBER 1960. THE DATA ARE AVAILABLE IN THE FORM OF REPORTS AND DATA SHEETS FROM VIMS. THE RESULTS OF THE STUDY HAVE BEEN PUBLISHED IN CHESAPEAKE SCIENCE VOL. 4, NO. 1, MARCH 1963.
 NAME GEORGE GRANT
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME CHAETOGNATHS OF THE CONTINENTAL SHELF OFF VIRGINIA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
 BAY, CONTINENTAL SHELF, VIRGINIA
 ABSTRACT SPECIES DETERMINATION AND COUNT OF ZOOPLANKTON,
 WITH PARTICULAR ATTENTION TO THE CHAETOGNATHA, WERE CARRIED OUT MONTHLY AT 300
 STATIONS IN THE INNER CONTINENTAL SHELF WATERS OF THE LOWER CHESAPEAKE BAY,
 OVER A ONE YEAR PERIOD BEGINNING IN JANUARY 1959. SALINITY AND WATER
 TEMPERATURE WERE MEASURED AT SURFACE AND BOTTOM. ZOOPLANKTON WERE COLLECTED
 IN 1 METER AND 1/2 METER PLANKTON NETS, CLARKE-BUMPUS NETS AND L-3 NETS. THE
 DATA ARE AVAILABLE ON REPORTS AND DATA SHEETS FROM THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE, GLOUCESTER POINT, VIRGINIA. THE RESULTS OF THE STUDY HAVE
 BEEN PUBLISHED IN CHESAPEAKE SCIENCE, 4(3):107-115.

NAME GEORGE GRANT
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME CHANGES IN BENTHIC COMMUNITIES ACROSS THE
 CONTINENTAL SHELF OFF THE MOUTH OF THE CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
 BAY, CONTINENTAL SHELF OFF CHESAPEAKE BAY
 ABSTRACT STUDY OF BENTHIC COMMUNITIES ACROSS CONTINENTAL
 SHELF OFF THE MOUTH OF THE CHESAPEAKE BAY TO DETERMINE CHANGES IN COMMUNITIES.
 SPECIES RICHNESS AND EVENNESS COMPUTED. ABIOTIC DATA GATHERED ALSO

NAME DONALD EGESCH
 PHONE NUMBER 604-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME CHARACTERIZATION OF COASTAL AND ESTUARINE FISH
 NURSERY GROUNDS AS NATURAL COMMUNITIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, YORK
 RIVER, PAMUNKEY RIVER, WACHAPREAGUE
 ABSTRACT THE YORK-PAMUNKEY RIVER SYSTEM IN VIRGINIA WAS
 SAMPLED MONTHLY FOR ONE YEAR FOR FISH, PHYTOPLANKTON, ZOOPLANKTON BENTHOS.
 HISTORICAL TRAWL DATA FOR THIS AREA AS WELL AS WACHAPREAGUE AREA WAS
 ORGANIZED, KEYPUNCHED AND COMBINED WITH THE RECENTLY ACQUIRED DATA TO ESTIMATE
 THE UTILIZATION OF THESE AREAS AS NURSERY AREAS

NAME W A VAN ENGLE
 PHONE NUMBER 604 642 2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME CHECKLIST OF VASCULAR PLANTS ASSOCIATED WITH TIDAL
 WETLANDS IN MARYLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND
 ABSTRACT PRESENCE OR ABSENCE DATA FOR OVER 200 SPECIES OF
 VASCULAR PLANTS. GENERAL DISTRIBUTION OF PLANTS ON MARSH TYPES. ASSOCIATIONS
 OF PLANTS ON MARSH TYPES. COMPILED DURING WETLAND SITE EVALUATION VISITS AND
 ON SPECIFIC DISTRIBUTION DATA COLLECTION TRIPS.

NAME WILLIAM SIFFLE
 PHONE NUMBER 301-267-5677
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE
 BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME CHEMICAL CHANGES IN INTERSTITIAL WATERS FROM
 SEDIMENTS OF LAGOONAL, DELTAIC, RIVER, ESTUARINE AND SALT WATER MARSH AND COVE
 ENVIRONMENTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, UNITED STATES, NEW YORK, LONG
 ISLAND, GREAT SOUTH BAY, COASTAL
 ABSTRACT THE CHEMICAL CHARACTERISTICS OF INTERSTITIAL WATERS
 OF LAGOONAL, DELTAIC, RIVER, ESTUARINE, AND SALT WATER MARSH AND COVE ENVIRONS
 ARE STUDIED. THIS STUDY IS A CONTINUATION OF A PREVIOUS STUDY CONCERNED WITH
 THE CHEMICAL CHARACTERISTICS OF INTERSTITIAL WATERS OF SHELF SEDIMENTS. CORES
 WERE TAKEN AT TWENTY-FOUR STATIONS. INTERSTITIAL WATER CHEMISTRY WAS COMPARED
 TO SURFACE AND BOTTOM WATER CHEMISTRY. THE PARAMETERS MEASURED WERE PH, EH,
 SALINITY, CALCIUM, SODIUM, MAGNESIUM, POTASSIUM, AND STRONTIUM. THE RATIOS OF
 THE ABOVE ELEMENTS TO THE CHLORINITY WERE CALCULATED. ANALYSIS OF ELEMENTS WAS
 DONE BY ATOMIC ABSORPTION TECHNIQUES.

NAME DR. GERALD M. FRIEDMAN
 PHONE NUMBER 518 270 6474
 INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, RENSSELAER POLYTECHNIC
 INSTITUTE
 CITY TROY
 STATE NEW YORK
 ZIP CODE 12181

FILE NAME CHEMICAL CHANGES IN INTERSTITIAL WATERS FROM
CONTINENTAL SHELF SEDIMENTS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. BIGHT, COASTAL
ABSTRACT THE CHEMICAL CHARACTERISTICS OF INTERSTITIAL WATERS
FROM CORES OF SHELF SEDIMENTS FROM THE INNER AND OUTER SHELF OFF LONG ISLAND,
NEW YORK, ARE COMPARED WITH THOSE OF THE OVERLYING SEA WATERS. AT EACH CORING
STATION ONE SAMPLE OF SURFACE SEA WATER AND OF BOTTOM SEA WATER, AND ONE OR
MORE SAMPLES OF INTERSTITIAL WATERS WITHIN THE CORE WERE COLLECTED. THERE WERE
FIVE STATIONS. PH, EH, SALINITY, CALCIUM, MAGNESIUM, POTASSIUM, RUBIDIUM,
STRONTIUM, AND LITHIUM WERE DETERMINED, THE CONCENTRATIONS OF THE ELEMENTS
WERE MEASURED BY ATOMIC ABSORPTION TECHNIQUES.

NAME DR. GERALD M. FRIEDMAN
PHONE NUMBER 518 270-6474
INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, RENSSELAER POLYTECHNIC
INSTITUTE
CITY TRCY
STATE NEW YORK
ZIP CODE 12181

FILE NAME CHEMICAL WEED CONTROL IN TRANSPLANTED AND
FIELD-SEEDED PEPPERS AND TOMATOES
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
ABSTRACT DATA COLLECTED DURING STUDIES CONDUCTED IN DELAWARE
DURING 1960-1961 ON THE EFFECTS OF SEVERAL HERBICIDES AND HERBICIDAL
COMBINATIONS IN WEED CONTROL OF TRANSPLANTED AND FIELD-SEEDED TOMATO AND
PEPPER FIELDS ARE PRESENTED IN REPORT FORM. INCLUDED ARE MEASUREMENTS OF
TOMATO PLANT AND PEPPER PLANT TOLERANCES OF THE INVESTIGATED HERBICIDES.

NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME CHEMICAL-PHYSICAL CHARACTERIZATION OF SUSQUEHANNA
RIVER AND NURSERY AREA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND,
COASTAL, SUSQUEHANNA RIVER
ABSTRACT PHYSICAL AND CHEMICAL DATA FROM 17 STATIONS OVER A
2 YEAR PERIOD IN THE SUSQUEHANNA RIVER AND SUSQUEHANNA FLATS. DATA RELATED TO
FISH POPULATIONS AND DISTRIBUTIONS. COLLECTIONS AT 2 WEEK INTERVALS REPORTED
AS MONTHLY AVERAGE FOR EACH STATION.

NAME W.R. CARTER
PHONE NUMBER 301-267-5361
INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
STREET TAKES STATE OFFICE BUILDING
CITY ANNAPOLIS
STATE MARYLAND
ZIP CODE 21401

FILE NAME CHEMISTRY OF CHESAPEAKE BAY SEDIMENTS
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
VIRGINIA
ABSTRACT CHEMICAL SURVEY OF THE SEDIMENTS IN CHESAPEAKE BAY
COVERING THE RAPPAHANNOCK RIVER AREA. ANALYSIS OF CORES TAKEN INCLUDE
SEDIMENT SURFACE AND INTO THE SEDIMENT AT APPROX 10 CM INTERVALS

NAME LIBRARIAN
PHONE NUMBER 804-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLOUCESTER POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME CHESAPEAKE BAY AREA LAND FORMS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY AREA
ABSTRACT MISSION W117, FLIGHT C1, WAS ACCOMPLISHED ON APRIL
5, 1972, UTILIZING A WALLOPS FLIGHT CENTER QUEEN AIR AIRCRAFT EQUIPPED WITH
FOUR HASSELBLAD CAMERAS, IN COOPERATION WITH NASA'S GODDARD SPACE FLIGHT
CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL IMAGERY OF A VARIETY
OF LAND FORMS FOUND IN THE CHESAPEAKE BAY AREA. IMAGES WERE TAKEN OF BARRIER
ISLANDS, INLAND WETLANDS, HEAVILY DISSECTED UPLANDS, AND HEAVILY WOODED
LOWLANDS.

NAME MICHAEL CENGER
PHONE NUMBER 804 824 3411
INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
CITY WALLOPS ISLAND
STATE VIRGINIA
ZIP CODE 23037

FILE NAME CHESAPEAKE BAY DATA BANK SYSTEM
 GENERAL GEOGRAPHIC AREA U.S., NORTH ATLANTIC, COASTAL, CHESAPEAKE BAY
 ABSTRACT THE CHESAPEAKE BAY DATA BANK SYSTEM AT CBI INCLUDES
 WATER CHEMISTRY AND NUTRIENT DATA COLLECTED BY CBI PERSONNEL SINCE 1949.
 TEMPERATURE, SALINITY, DISSOLVED OXYGEN, CHLOROPHYLL, PH, ORTHOPHOSPHATE,
 TOTAL PHOSPHATE, AND OTHER LESS COMMONLY ASSAYED PARAMETERS ARE INCLUDED. DATA
 COVERS THE ENTIRE CHESAPEAKE BAY AND ALL TRIBUTARIES. GOAL IS TO MAKE DATA
 AVAILABLE FOR SECONDARY USERS. ONGOING ACCESSION PROCEEDURE.

NAME CAROL FEISTER
 PHONE NUMBER 207 781 2330
 INSTITUTION OR AGENCY MAINE ALDEEN SOCIETY
 STREET GILSLAND FARM
 CITY FALMOUTH
 STATE MAINE
 ZIP CODE 04105

FILE NAME CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE FILTER TEST
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WALLEPS ISLAND
 ABSTRACT MISSION W145, FLT. 1 WITH WALLEPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON JULY 14, 1972, IN
 COOPERATION WITH NASA WALLEPS STATION, CHES. BAY ECOLOGICAL PROGRAM OFFICE IN
 WALLEPS STA., VA. AREA. OBJECTIVE - TO TEST AND EVALUATE TWO FILTERS FOR
 AERIAL EXPOSURE AND TERRAIN DEFINITION FOR FUTURE APPLICATION TO DUTCH ELM
 DISEASE STUDIES. FLIGHT IN CLEAR WEATHER, SOME HAZE.

NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM.
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME CHESAPEAKE LIGHT OIL SPILL STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE
 BAY LIGHT
 ABSTRACT MISSION WC78, FLIGHT01, WAS ACCOMPLISHED ON AUGUST
 4, 1971, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN PHOTOGRAPHY OF A MAN
 MADE OIL SPILL FOR USE IN STUDYING THE SPREADING AND THINNING CHARACTERISTICS
 OF THE OIL OVER AN EXTENDED PERIOD OF TIME.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME CHESAPEAKE LIGHT TOWER OIL SPILL DISPERSION STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE
 BAY
 ABSTRACT MISSION WC40, FLIGHT01, WAS ACCOMPLISHED ON JANUARY
 21, 1971, UTILIZING A WALLEPS FLIGHT CENTER BASED HELICOPTER EQUIPPED WITH ONE
 PASSELEAD CAMERA AND FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE
 VIRGINIA INSTITUTE OF MARINE SCIENCE AT A LOCATION NEAR THE CHESAPEAKE LIGHT
 TOWER. THE OBJECTIVE OF THE FLIGHT WAS THE DETECTION OF SURFACE OIL DISPERSION
 CHARACTERISTICS INFLUENCED BY WIND AND CURRENTS USING REMOTE SENSED IMAGERY.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME CHESAPEAKE-DELAWARE CANAL DOCUMENTATION FLIGHT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MARYLAND, DELAWARE
 ABSTRACT MISSION WC46, FLIGHT02, WAS ACCOMPLISHED ON MARCH
 5, 1971, UTILIZING A WALLCFS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS. THE OBJECT OF THE FLIGHT WAS TO OBTAIN
 AERIAL PHOTOGRAPHY OF THE CHESAPEAKE AND DELAWARE CANAL IN BLACK/WHITE, COLOR,
 AND FALSE COLOR INFRARED FILM FOR USE IN DOCUMENTING THE FLOW CHARACTERISTICS
 OF THE CANAL.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME CHESTER RIVER SAMPLING PROGRAM
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 CHESTER RIVER MARYLAND
 ABSTRACT MONTHLY WATER SAMPLES ARE OBTAINED FROM CHESTER
 RIVER BY CITIZENS OF CHESTERTOWN, MARYLAND REGION AND ARE MEASURED FOR WATER
 QUALITY BY USE OF A TEST KIT.

NAME NANCY G DINSDALE
 PHONE NUMBER 301-268-8816
 INSTITUTION OR AGENCY CHESAPEAKE BAY FOUNDATION
 STREET PRINCE GEORGE AND EAST STREETS
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21404

FILE NAME CHINASVAL
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, NORTH ATLANTIC,
 VIRGINIA EASTERN SHORE, ASSATEAGUE ISLAND, CHINCOTEAGUE ISLAND, WALLEPS ISLAND
 ABSTRACT SEDIMENT MOVEMENT WITHIN SELECTED AREAS OF THE
 EASTERN SHORE OF VIRGINIA IS STUDIED.

NAME MONTY NECK
 PHONE NUMBER 304 253 5603
 INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY AND GEOGRAPHY
 STREET WEST VIRGINIA UNIVERSITY
 CITY MORGANTOWN
 STATE WEST VIRGINIA
 ZIP CODE 26506

FILE NAME CHINCOTEAGUE AND SINEPUXENT BAY BENTHOS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELMARVA PENINSULA,
 CHINCOTEAGUE BAY, SINEPUXENT BAY
 ABSTRACT DESCRIPTIVE SURVEY OF BENTHIC COMMUNITIES IN
 CHINCOTEAGUE AND SINEPUXENT BAYS CONDUCTED IN 1969. 139 STATIONS OCCUPIED WITH
 3 REPLICATE SAMPLES PER STATION. DEPTH, SEDIMENT TYPE, AND BIOLOGICAL MATERIAL
 RECORDED FOR EACH STATION. MORE INTENSIVE SAMPLING PERFORMED IN AREAS OF
 CREEPE CORROW PITTS.

NAME LIEFARIAN
 PHONE NUMBER 301 326 4281
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SELCUMS
 STATE MARYLAND
 ZIP CODE 20688

FILE NAME CHINCOTEAGUE BAY FINFISHES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELMARVA PENINSULA,
 CHINCOTEAGUE BAY

ABSTRACT SURVEY OF THE FINFISHES FOUND IN CHINCOTEAGUE BAY,
 MARYLAND ON A SEASONAL BASIS. 37 STATIONS SAMPLED WITH BEACH SEINE, BEAM TRAWL
 AND OTTER TRAWL. PROGRAM INTENDED TO FURNISH SEASONAL SPECIES LIST,
 DISTRIBUTION WITH VEGETATION AND BOTTOM TYPE, AND RELATIVE DOMINANCE.

NAME LIBRARIAN
 PHONE NUMBER 301 326 4281
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SELCUMS
 STATE MARYLAND
 ZIP CODE 20688

FILE NAME CHINCOTEAGUE BAY OVERFLIGHT
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, MARYLAND, CHINCOTEAGUE BAY

ABSTRACT MISSION W124, FLT. 2, APRIL 27, 1972, OVER
 CHINCOTEAGUE BAY, WITH WALLEPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11
 AERIAL CAMERA. OBJECTIVE - TO OBTAIN BASE LINE INFORMATION OF WETLANDS AND
 CULTURAL CHANGES OCCURRING THROUGHOUT THE WINTER MONTHS. FLIGHT IN CLEAR
 WEATHER, VISIBILITY 7-8 MILES, AIR TEMP. 0 DEG. C AT 7000 FT., MSL WITH WIND
 OF 15 KNOTS FROM 250 DEG.

NAME PALL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME CHINCOTEAGUE NATIONAL WILDLIFE REFUGE-ASSATEAGUE ISLAND
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, ASSATEAGUE ISLAND, TOM'S COVE
 ABSTRACT MISSION W123, FLT. 2, APRIL 24, 1972, WITH WALLCPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS IN COOPERATION WITH CHINCOTEAGUE NATIONAL WILDLIFE REFUGE ON THE "TOM'S COVE" SECTION OF ASSATEAGUE ISLAND, VA. OBJECTIVE - TO OBTAIN NATURAL AND FALSE-COLOR REMOTELY SENSED IMAGERY TO ASSESS THE ENVIRONMENTAL IMPACT OF A NEWLY DEVELOPED NATURE TRAIL. FLIGHT MADE IN CLEAR WEATHER, SOME HAZE, VISIBILITY 4-5 MILES, AIR TEMP. 18 DEG. C AT 3000 FT., MSL WITH WIND OF 6 KNOTS FROM 295 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME CHINCOTEAGUE NATIONAL WILDLIFE REFUGE BASE LINE STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, CHINCOTEAGUE
 ABSTRACT MISSION W025, FLT. 3, OCTOBER 19, 1970, WALLCPS STATION CHARTERED BELL 205 HELICOPTER EQUIPPED WITH A PCO OF T-11 AERIAL MAPPING CAMERAS. OBJECTIVE - TO OBTAIN REMOTE SENSOR BASE LINE DATA OF ACTIVE WILDLIFE AREAS IN CHINCOTEAGUE - TOM'S COVE - ASSATEAGUE AREA. FLIGHT MADE FOR THE CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE. FLIGHT IN CLEAR WEATHER, AIR TEMP. +6 DEG. -C AT 1000 FT., MSL WITH WIND OF 20 KNOTS FROM 280 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME CHINCOTEAGUE WILDLIFE REFUGE MIGRATORY BIRD INVENTORY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHINCOTEAGUE WILDLIFE REFUGE
 ABSTRACT MISSION W036, FLIGHT02, WAS ACCOMPLISHED ON DECEMBER 15, 1970, UTILIZING A WALLCPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH THE CHINCOTEAGUE WILDLIFE REFUGE. THE OBJECTIVE OF THE FLIGHT WAS TO INVENTORY THE MIGRATORY BIRDS USING THE CHINCOTEAGUE WILDLIFE REFUGE DURING THE MONTH OF DECEMBER THROUGH THE USE OF REMOTE SENSING.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME CHINCOTEAGUE-CAPE HENLOPEN BASE LINE DATA MISSION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, MARYLAND
 ABSTRACT MISSION W053, FLIGHT01, WAS ACCOMPLISHED ON APRIL 23, 1971, UTILIZING A WALLCPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN BASE LINE DATA OF THE WETLANDS AND SHORE LINE FROM CHINCOTEAGUE TO CAPE HENLOPEN.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME CHLOROPHYLL AND SUSPENDED MATERIAL IN THE WATERS OF LOWER CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA
 ABSTRACT ON GOING STUDY STARTED AUGUST 1972 OF CHLOROPHYLL AND SUSPENDED MATERIAL IN THE WATERS OF THE LOWER CHESAPEAKE BAY IN CONJUNCTION WITH REMOTE SENSING, NASA ERIS PROJECT
 NAME PETER FLEISCHER
 PHONE NUMBER 804-485-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME CHOPTANK - WICOMICO - MILES RIVER STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, CHOPTANK,
 WICOMICO, MILES RIVERS, EASTERN SHORE OF MARYLAND, COASTAL
 ABSTRACT A GENERAL ECOLOGICAL STUDY OF THE MILES, CHOPTANK,
 AND WICOMICO RIVERS, LOCATED ON THE EASTERN SHORE OF THE CHESAPEAKE BAY WAS
 UNDERTAKEN FOR A TWO YEAR PERIOD. DATA INCLUDES SAMPLING RESULTS OF FINFISH,
 BENTHOS, AND HYDROGRAPHIC INFORMATION.
 NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 301 226 5540
 INSTITUTION OR AGENCY NATIONAL MARINE FISHERIES SERVICE
 STREET OXFORD BIOLOGICAL LABORATORY
 CITY OXFORD
 STATE MARYLAND
 ZIP CODE 21654

FILE NAME CHROMIUM/ZINC RATIOS IN THE NEW YORK BIGHT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., ATLANTIC OCEAN, NEW YORK
 BIGHT, NEW YORK, NEW JERSEY
 ABSTRACT CHROMIUM/ZINC RATIOS WERE UTILIZED IN THIS STUDY AS
 A TRACER FOR ORGANIC MUD ACCUMULATIONS CONTAINING CHROMIUM IN BAYS AND ZINC
 OFF-SHORE.
 NAME DR WILLIAM HARRIS
 PHONE NUMBER 212 780 5417
 INSTITUTION OR AGENCY BROOKLYN COLLEGE - GEOLOGY DEPARTMENT
 STREET INGERSOLL HALL ROOM 3131
 CITY BROOKLYN
 STATE NEW YORK
 ZIP CODE 11210

FILE NAME CHRONIC ALTERATION OF THE UPPER METEDECCK RIVER,
 NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, ATLANTIC COASTAL PLAINS, NEW JERSEY,
 METEDECCK RIVER BASIN
 ABSTRACT THIS ONGOING STUDY OF THE UPPER METEDECCK RIVER IN
 NEW JERSEY IS A COMPREHENSIVE ENVIRONMENTAL STUDY. IT INCLUDES ANALYSES OF
 LANDFORMS, AQUATIC ECOLOGY, SOILS, WATER LEVEL, LAND VEGETATION MARSH
 VEGETATION, ARCHAEOLOGIC AND NATURAL HISTORY, AND POLLEN. PLANKTON AND WATER
 CHEMISTRY DATA WILL BE ADDED. IT IS PARTIALLY RELIANT UPON REORGANIZATION OF
 PREVIOUSLY COLLECTED DATA, AND INTERPRETATIONS ARE HIGHLY RELIANT ON
 VEGETATION, SOIL ANALYSES, AND GRADIENT ANALYSIS. THIS WORK MAY BECOME PART OF
 A LARGER STUDY OF CHRONIC ALTERATION OF NORTH AMERICAN FLOODPLAINS AND TIDAL
 WETLANDS, THE OBJECT OF WHICH IS TO IMPROVE THE PRECISION PRESENTLY AVAILABLE
 IN DEFINING AND DESCRIBING RIPARIAN ENVIRONMENTS.
 NAME DR. MICHAEL F. LEVIN
 PHONE NUMBER 215 644 7406
 INSTITUTION OR AGENCY ENVIRONMENTAL RESEARCH ASSOCIATES, INC
 STREET 309 LANSENDE RD
 CITY DEVEN
 STATE PENNSYLVANIA
 ZIP CODE 15333

FILE NAME CHRONIC ALTERATION OF TIDAL WETLANDS WITH
 INTERPRETATION OF MEAN HIGH WATER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, NEW JERSEY, BARNEGAT BAY
 AND LOWER METEDECCK RIVER
 ABSTRACT THIS STUDY OF LANDFORMS, VEGETATION, AND WATER IS
 INTENDED TO DEMONSTRATE THE INFLUENCE OF TIDAL ACTION, BOTH PRESENT AND PAST.
 INCLUDED ARE DATA OF TIDES, WATER CONDITIONS, VEGETATION (BOTH SPECIES LISTS
 AND COUNTS), PEAT DEPTHS, AND INTERPRETATIONS OF CHRONIC CHANGES, AS SEEN IN
 FROM 1920 MAPS AND PRESENT CONDITIONS. POLLEN ANALYSES AND RADIOCARBON DATES,
 WILL BE ADDED TO THIS STUDY, WHICH MAY BECOME A GENERAL STUDY OF CHRONIC
 CHANGES IN RIPARIAN ENVIRONMENTS OF NORTH AMERICA.
 NAME DR MICHAEL F LEVIN
 PHONE NUMBER 215 644 7406
 INSTITUTION OR AGENCY ENVIRONMENTAL RESEARCH ASSOCIATES, INC
 STREET 309 LANSENDE AVE
 CITY DEVEN
 STATE PENNSYLVANIA
 ZIP CODE 15333

FILE NAME CLAPPER RAIL MORTALITY RESULTING FROM HURRICANE
 BELLE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, OCEAN, ATLANTIC,
 AND CAPE MAY COUNTIES
 ABSTRACT FIELD SURVEYS WERE CONDUCTED IN CAPE MAY, ATLANTIC,
 AND OCEAN COUNTIES, NEW JERSEY ON 11 AUGUST 1976 OF PERIPHERAL DEBRIS LINES
 ALONG ROADS, UPLAND EDGES AND RESORTS TO ESTIMATE THE MORTALITY OF CLAPPER
 RAILS DUE TO HURRICANE BELLE.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME CLAPPER RAIL STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND, NASSAU PORTION OF GREAT SOUTH BAY
 ABSTRACT 5 STATIONS IN THE NASSAU PORTION OF GREAT SOUTH BAY
 WERE SAMPLED EACH WEEK FROM MAY 1965 TO JULY 1971 DURING THE BREEDING SEASON
 FOR COUNT AND SPECIES DETERMINATION OF BIRDS. ONLY CLAPPER RAILS WERE STUDIED.
 NAME DR. ROBERT JOHNSON
 PHONE NUMBER 516 261 6720
 INSTITUTION OR AGENCY HCFSTRA UNIVERSITY
 STREET 1000 FULTON AVE.
 CITY HEMPSTEAD
 STATE NEW YORK
 ZIP CODE 11550

FILE NAME CLAPPER RAIL STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, OCEAN COUNTY,
 ATLANTIC COUNTY, CAPE MAY COUNTY
 ABSTRACT ANNUAL STUDY IN THREE COUNTIES OF NEW JERSEY TO
 DETERMINE POPULATION TRENDS, HARVEST AND MOVEMENTS OF THE CLAPPER RAIL.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME CLAPPER RAIL STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, OCEAN COUNTY, CAPE
 MAY COUNTY, ATLANTIC COUNTY
 ABSTRACT THIS REPORT PRESENTS DATA ON POPULATION TRENDS,
 HARVEST AND MOVEMENTS OF THE CLAPPER RAIL. DATA TABLES INCLUDE: 1. RESULTS OF
 CLAPPER RAIL NEST CENSUS OVER A 20 YEAR PERIOD, 2. PRODUCTION TRENDS OF THE
 CLAPPER RAIL FROM 1955 TO 1974, 3. MONTH PRECIPITATION DEPARTURES FROM THE
 NORMAL AMOUNT, 4. CLAPPER RAIL NESTING AND HATCHING SUCCESS FOR 1973-1974 IN
 OCEAN AND ATLANTIC, COUNTIES, 5. CLAPPER RAIL HARVEST, AND 6. TRENDS IN
 SUCCESSFUL NEST PATCHES ON STUDY AREAS.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME CLAPPER RAIL STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, CAPE MAY ATLANTIC
 AND OCEAN COUNTIES
 ABSTRACT THIS REPORT CONTAINS DATA FROM 1970 TO 1976 ON
 POPULATION TRENDS, NEST COUNTS, AND PRODUCTION TRENDS, OF THE CLAPPER RAIL.
 ALSO REPORTED IS MORTALITY, HUNTER HARVEST AND BANDING DATA
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME CLASSIFICATION OF NEW JERSEY TROUT WATERS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT A STUDY WAS CONDUCTED FROM AUGUST 1968 THROUGH
 AUGUST 1972 TO DETERMINE POPULATIONS AND DISTRIBUTIONS OF FISHES IN NEW
 JERSEY'S TROUT STREAMS. FISHES WERE SAMPLED BY ELECTROSHOCKING. WET WEIGHTS
 WERE TAKEN OF ALL COLLECTED FISHES. WATER TEMPERATURES WERE RECORDED AT
 SAMPLING TIMES.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME CLIMATOLOGICAL RECORDS OF BRANDYWINE RIVER WATERSHED
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., PENNSYLVANIA, DELAWARE
 ABSTRACT THIS FILE CONTAINS THE CLIMATOLOGICAL DATA FOR 2
 FIXED LOCATIONS IN THE BRANDYWINE WATERSHED, WEST CHESTER AND CHADDS FORD,
 TAKEN ON A DAILY BASIS FROM 1972 UNTIL THE PRESENT. THE DATA TAKEN INCLUDES
 TEMPERATURE MAXIMUM AND MINIMUM, TYPE AND AMOUNT OF PRECIPITATION AND WEATHER
 CONDITIONS, SOME STORM SURVEY AND SOLAR RADIATION DATA WAS TAKEN ON A
 SPORADIC, SHORT TERM BASIS AS WELL.

NAME WILLIAM SELLERS
 PHONE NUMBER 215 459 1500
 INSTITUTION OR AGENCY TRI COUNTY CONSERVANCY OF THE BRANDYWINE
 STREET ENVIRONMENTAL MANAGEMENT CENTER
 CITY CHADDS FORD
 STATE PENNSYLVANIA
 ZIP CODE 19137

FILE NAME COASTAL CURRENT STUDY ALONG THE VIRGINIA COAST
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W121, FLIGHT 01, WAS ACCOMPLISHED ON APRIL
 20, 1972, UTILIZING A WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO
 T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL PHOTOGRAPHY
 OF DYE DISPERSION ALONG THE LOWER COAST OF THE DELMARVA PENINSULA FROM THE
 CAPE CHARLES LIGHTHOUSE ON SMITH ISLAND PAST THE MOUTH OF THE CHESAPEAKE BAY
 TO JUST SOUTH OF THE CITY OF VIRGINIA BEACH ON THE LOWER VIRGINIA COAST FOR
 USE IN A COASTAL CURRENT STUDY.

NAME MICHAEL CONGER
 PHONE NUMBER 804 624 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME COLLECTION OF BENTHIC AND MARINE ALGAE
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, CAPE
 HATTERAS TO NEW JERSEY, CAPE MAY
 ABSTRACT PRESERVED SPECIMEN COLLECTION OF MARINE ALGAE FOUND
 ALONG THE MID-ATLANTIC COAST. COLLECTION INCLUDES COMMENTS ON LOCATION
 DESCRIPTION, COLLECTOR AND TAXONOMY

NAME J ZANEVELL
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME COLONIZATION AND PERSISTENCE OF VEGETATION ON
 PUMPEX STORAGE HYDROELECTRIC RESERVOIR SUCRELINES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, WARREN COUNTY,
 YARDS CREEK
 ABSTRACT THE YARDS CREEK PUMPING STORAGE PROJECT RESERVOIRS
 OF WARREN COUNTY NEW JERSEY WERE INVESTIGATED TO DETERMINE THE EFFECT OF
 TYPICALLY ABNORMAL PHYSIOGRAPHIC CONDITIONS ON SPECIES COMPOSITION AND
 VEGETATIONAL PERSISTENCE.

NAME REFERENCE LIBRARIAN
 PHONE NUMBER 201 732 1766
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME COMMERCIAL AND SPORT FISHERIES LANDINGS FOR N.Y.
AND N.J.
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
NEW YORK, NEW JERSEY
ABSTRACT A COMPIATION OF COMMERCIAL FISHERIES LANDINGS FOR
THE STATES OF NEW YORK AND NEW JERSEY FROM 1880 TO 1973 WERE COLLECTED ALONG
WITH SPORT FISHERIES LANDINGS FOR THE YEARS 1960, 1965, 1970.
NAME J. L. MCHUGH
PHONE NUMBER 516 246 7710
INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
CITY STONY BROOK
STATE NEW YORK
ZIP CODE 11750

FILE NAME COMMONWEALTH OF VIRGINIA TIDAL MARSH INVENTORY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY,
VIRGINIA COASTAL WETLANDS
ABSTRACT UNDER SECTION 62.1-13.4 OF THE WETLANDS ACT, THE
VIRGINIA INSTITUTE OF MARINE SCIENCE IS OBLIGATED TO INVENTORY THE TIDAL
WETLANDS OF THE COMMONWEALTH OF VIRGINIA. A SERIES OF MARSH INVENTORY REPORTS
ARE THEREFORE BEING COMPILED ON A COUNTY BASIS. EACH REPORT LOCATES AND
DESCRIBES THE INDIVIDUAL TIDAL MARSHES WITHIN A COASTAL COUNTY. INFORMATION
SUCH AS INDIVIDUAL MARSH ACREAGE, MARSH PLANT COMMUNITY PERCENTAGE AND
ACREAGE, WATER-MARSH INTERFACE, INTERFACE MARSH AREA RATIO, AND MISCELLANEOUS
OBSERVATIONS ARE PRESENTED IN TABULAR FORM. THE REPORTS RESULT FROM FIELD
NOTES AND VEGETATION MAPS DRAWN IN THE FIELD AND OBSERVATIONS MADE USING
AERIAL PHOTOGRAPHS AND TOPOGRAPHIC MAPS.

NAME DR. GENE M. SILBERHORN
PHONE NUMBER 804 642 2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME COMPARATIVE FOOD HABITS AND MORPHOLOGY OF 3 SPECIES
OF MENTICIRRHUS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., VIRGINIA, COASTAL
ABSTRACT MORPHOLOGY AND FOOD HABITS OF MENTICIRRHUS
SAXATILIS, AMERICANUS, AND LITTORALIS IN THE VICINITY OF SANDBRIDGE, VIRGINIA
AND BLIXTON, NORTH CAROLINA. BEACH SEINE SAMPLES TAKEN MONTHLY IN WASH ZONE OF
BEACH. HABITAT SEGREGATION AND COMPETITION BETWEEN COOCCURRING FISHES
EVALUATED.

NAME LABELISH CHAC
PHONE NUMBER 804 642 2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME COMPARATIVE STUDY OF SMILAX
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., VIRGINIA, NORTH CAROLINA,
SOUTH CAROLINA, GEORGIA, MISSISSIPPI, ARKANSAS, TENNESSEE
ABSTRACT AN INVESTIGATION INTO THE DISTRIBUTION AND
PLEOMORPHISM OF SMILAX (GREENBRIAR) IN THE SOUTHEASTERN U.S. WAS CONDUCTED.
EIGHT SPECIES WERE DIFFERENTIATED AND TAXONOMIC KEYS DEVELOPED. PRESERVED
HERBARIUM SPECIMINS ARE HELD IN THE UNIV OF GEORGIA HERBARIUM LIBRARY. A
MICROSCOPIC MEASUREMENT OF LEAF MARGIN AND MID-VEIN CROSS SECTION AT 125X IN
ADDITION TO UPPER AND LOWER LEAF EPIDERMIS GROSS MORPHOLOGY AND STOMATA
FREQUENCY WAS DETERMINED. TWO TAXONOMIC KEYS, ONE BASED ON GROSS ANATOMICAL
CHARACTERISTICS, ONE ON LEAF SURFACE FEATURES AND MICROSCOPIC STRUCTURE AND
KEYS PROVIDED WITH COLOR PHOTO MICROGRAPHS WERE ALSO DETERMINED.

NAME LIBRARIAN
PHONE NUMBER 404 542 4535
INSTITUTION OR AGENCY UNIVERSITY OF GEORGIA
STREET SCIENCE LIBRARY
CITY ATHENS
STATE GEORGIA
ZIP CODE 30601

FILE NAME COMPARISON OF AGE-CLASS DETERMINATION TECHNIQUES BY
DEER MANAGEMENT ZONE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
ABSTRACT A STUDY WAS CONDUCTED FROM AUGUST 1975 THROUGH JULY
1976 ON 861 HARVESTED NEW JERSEY DEER TO COMPARE ERUPTION-WEAR AND CEMENTUM
ANNULI TECHNIQUES OF AGE-CLASS DETERMINATION IN ORDER TO DETERMINE THE EXTENT
AND SOURCE OF AGE ASSIGNMENT ERROR.

NAME PRINCIPAL WILDLIFE BIOLOGIST
PHONE NUMBER 201 735 8753
INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
STREET CLINTON WILDLIFE MANAGEMENT AREA
CITY HANPTON
STATE NEW JERSEY
ZIP CODE 08827

FILE NAME COMPETITION OF CORN (ZEA MAYS L.) AND NUTSEGE
(CYPERUS ESCULENTUS L.) IN ASSOCIATION
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY
ABSTRACT DATA COLLECTED DURING STUDIES CONDUCTED IN DELAWARE
DURING THE SUMMER OF 1974 TO DETERMINE THE EFFECTS OF CORN AND NUTSEGE
COMPETITION ON CORN YIELD AND MICRO AND MACRONUTRIENT COMPOSITION OF BOTH CORN
AND NUTSEGE ARE PRESENTED IN REPORT FORM. MICRO AND MACRONUTRIENT
COMPOSITIONS FOR BOTH PLANT SPECIES ARE GIVEN FOR TWO SAMPLING PERIODS: (1)
WHEN THE CORN WAS AT THE 5 TO 6 LEAF STAGE AND (2) WHEN THE CORN WAS AT THE
SILKING STAGE. VALUES FOR THE UPTAKE OF NITROGEN BY WEED SHOOTS ARE ALSO
REPORTED AS THEY RELATE TO NUTSEGE DENSITY, A MIXED WEED POPULATION AND CORN
DENSITY.

NAME MERRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME CONSTRUCTION AND OPERATION OF A 69 KV ELECTRIC
TRANSMISSION FACILITY BETWEEN RIC GRANDE AND WILDWOOD, CAPE MAY COUNTY, NEW
JERSEY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, CAPE MAY COUNTY,
RICHARDSON SOUND, RIC GRANDE, WILDWOOD
ABSTRACT THIS FILE CONTAINS THE ENVIRONMENTAL DATA EMPLOYED
IN COMPILING AN IMPACT STATEMENT REGARDING EFFECTS OF A POWER TRANSMISSION
BETWEEN RIC GRANDE AND WILDWOOD, CAPE COUNTY, NEW JERSEY. THE SURVEY, TAKEN IN
THE SUMMER OF 1973, INCLUDED WATER QUALITY DATA ON RICHARDSON SOUND AS WELL AS
INFORMATION ON PLANT, FISH, AND ANIMAL POPULATIONS IN THE AREA.

NAME JACK MC CORMICK
PHONE NUMBER 215 647 5000
INSTITUTION OR AGENCY JACK MC CORMICK AND ASSOCIATES, INC.
STREET 511 OLD LANCASTER ROAD
CITY BERYN
STATE PENNSYLVANIA
ZIP CODE 19312

FILE NAME CONTINENTAL SHELF SEDIMENTS OF LONG ISLAND, NEW YORK
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG
ISLAND, N.Y. BIGHT

ABSTRACT DETAILED SEDIMENTOLOGICAL STUDY OF THE CONTINENTAL
SHELF OFF LONG ISLAND, NEW YORK WAS DONE. SIZE ANALYSIS OF SEDIMENTS AND THE
CALCULATION OF STATISTICAL PARAMETERS OF GRAIN SIZE DETERMINED THE
CHARACTERISTICS OF BOTTOM SEDIMENTS OF THE CONTINENTAL SHELF. MEAN GRAIN SIZE,
SKEWNESS, PERCENT FINES AND KURTOSIS WERE ALL CALCULATED. SPHERICITY AND
MINERALOGY OF SANDS WAS ALSO EXAMINED. CONTINUOUS DEPTH PROFILES WERE RECORDED
THROUGHOUT THE STUDY AREA WHICH CONTAINED 150 STATIONS.

NAME DR. GERALD M. FRIEDMAN
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INSTITUTE
CITY TRCY
STATE NEW YORK
ZIP CODE 12161

FILE NAME CONTINENTAL SHELF SEDIMENTS OFF NEW JERSEY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, N.Y. BIGHT
ABSTRACT SEDIMENTOLOGICAL STUDY OF THE CONTINENTAL SHELF OFF

NEW JERSEY HAS BEEN MADE. THE STUDY AREA, NORTH OF ATLANTIC CITY, WAS 20 MILES
WIDE AND EXTENDED FROM THE NEW JERSEY SHORELINE TO THE 600 METER DEPTH MARK.
SIZE ANALYSIS OF BOTTOM SEDIMENTS FROM 150 STATIONS WAS DONE. STATISTICAL
PARAMETERS SUCH AS MEAN GRAIN SIZE AND STANDARD DEVIATION WERE CALCULATED.
IDENTIFICATION AND PERCENTAGE BY WEIGHT OF HEAVY MINERALS WAS ALSO OF CONCERN.

NAME DR. GERALD M. FRIEDMAN
PHONE NUMBER 518 270 6474
INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, RENSSELAER POLYTECHNIC
INSTITUTE
CITY TRCY
STATE NEW YORK
ZIP CODE 12161

FILE NAME CONTINENTAL SHELF WAVE PATTERNS STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSISSIPPI RIVER, FLIGHT 01, WAS ACCOMPLISHED ON
 SEPTEMBER 10, 1974, UTILIZING A WALLCPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED
 WITH FOUR HASSELBLAD EL-500 CAMERAS AND A T-11 AERIAL MAPPING CAMERA IN
 COOPERATION WITH NASA'S LANGLEY RESEARCH CENTER. THE OBJECTIVE OF THE FLIGHT
 WAS TO STUDY WAVE PATTERNS OVER THE CONTINENTAL SHELF ABOUT 70 MILES NORTHEAST
 OF WACHAPREAGUE.

NAME MICHAEL CONGER
 PHONE NUMBER 804 624 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME CONTINUOUS AIR MONITORING SYSTEM
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., GREAT LAKES, NEW YORK
 ABSTRACT THE BUREAU OF AIR QUALITY SURVEILLANCE OF THE
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION MONITORS AMBIENT AIR QUALITY. THE AIR
 MONITORING NETWORK CONTAINS MANUAL AND CONTINUOUS MONITORING STATIONS. THERE
 ARE NINETEEN CONTINUOUS MONITORING STATIONS, EACH MEASURING UP TO TWENTY
 PARAMETERS. AMONG THE PARAMETERS MEASURED ARE SULFUR DIOXIDE, CARBON MONOXIDE,
 SOILING, NITRIC OXIDE, NITROGEN DIOXIDE, TOTAL HYDROCARBONS, WIND DIRECTION
 AND SPEED, TEMPERATURE, PRESSURE, RELATIVE HUMIDITY, PRECIPITATION, SOLAR
 RADIATION AND TOTAL OXIDANTS. THE NETWORK ALSO CONTAINS APPROXIMATELY 300
 MANUAL STATIONS (SEE EC8E 1222).

NAME MR. PAUL BERRY, P.E.
 PHONE NUMBER 518 457 7235
 INSTITUTION OR AGENCY DIRECTOR OF BUREAU OF AIR QUALITY SURVEILLANCE, NY
 STATE DEPT OF ENVIRONMENTAL CONSERVATION
 STREET 50 WOLF ROAD
 CITY ALBANY
 STATE NEW YORK
 ZIP CODE 12201

FILE NAME CONTROL MEASURES FOR CHESAPEAKE BAY JELLYFISH.
 1972-1973. NUTRITION AND FEEDING HABITS. STROBILATION OF SEA NETTLE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, SARAH CREEK
 ABSTRACT A SMALL TRIBUTARY OF THE YORK RIVER, VIRGINIA WAS
 SAMPLED FOR PLANKTON AND JELLYFISH POLYPS AND STROBILAE. JELLYFISH EPHYRAE AND
 MECUSAE WERE ANALYSED FOR GASTROVASCULAR CAVIETY CONTENTS.

NAME DEXTER HAVEN
 PHONE NUMBER 804 642 2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME CONTROL MEASURES FOR CHESAPEAKE BAY JELLYFISH
 1972-1973 ANNUAL REPORT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., LOWER CHESAPEAKE BAY
 ABSTRACT NEW DATA ON JELLYFISH POLYPS AND PGCCYSTS
 ABUNDANCE COMPARED TO PAST YEARS' DATA

NAME DEXTER HAVEN
 PHONE NUMBER 804 642 2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME CONTROLLING THE PRODUCTION OF MOSQUITOES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, STANLEY SHORT MARSH
 AND RAYMOND MASTEN MARSH
 ABSTRACT STANLEY SHORT AND RAYMOND MASTEN MARSH WERE SAMPLED
 FROM MAY THROUGH SEPTEMBER, 1966 FOR SALINITY, RAINFALL, AIR AND WATER
 TEMPERATURE, TIDE, AND FISH AND MOSQUITO SPECIES INHABITING THE MARSHES.

NAME FRANK MURPHY
 PHONE NUMBER 302 736 2526
 INSTITUTION OR AGENCY DEPARTMENT OF ENTOMOLOGY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME COOPERATIVE STRIPED BASS MIGRATION STUDY - TAG FILE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., EAST COAST
 ABSTRACT DATA FROM TAGGING STUDIES CARRIED OUT FROM 1951 TO
 1969 ON THE MIGRATION PATTERNS OF STRIPED BASS ALONG THE EAST COAST OF THE
 UNITED STATES HAVE BEEN COMPILED AND TRANSFERRED TO A PUNCHED CARD STORAGE
 FILE. RECORDED DATA INCLUDE RELEASE TIME, RELEASE POSITION, RECAPTURE TIME
 AND RECAPTURE POSITION OF TAGGED INDIVIDUALS. WHEN AVAILABLE THE SEX, LENGTH
 AND WEIGHT OF RECAPTURED INDIVIDUALS HAVE BEEN INCLUDED.

NAME STAFF - DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME COOPERATIVE SURF OBSERVATION FILE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S.,
 COASTAL, ATLANTIC CITY NEW JERSEY, ATLANTIC NORTH CAROLINA, CAPE DECEPTION
 ALASKA, CAPE FLATTERY WASHINGTON, CAPE HITCHINBROCK ALASKA, CAPE ST. ELIAS
 ALASKA, CAPE SAN BLAS FLORIDA, CAPE SARICHEF ALASKA, GRAND ISLE LOUISIANA,
 HAMPTON BEACH NEW HAMPSHIRE, HILLSBORO INLET FLORIDA, MONMOUTH BEACH NEW
 JERSEY, MCCOSE PEAK MAINE, NAGS HEAD NORTH CAROLINA, NAUSET MASSACHUSETTS, OAK
 ISLE NORTH CAROLINA, OCEAN CAPE ALASKA, OCEAN CITY MARYLAND, PIERDRAS BLANCAS
 CALIFORNIA, POINT ARENA CALIFORNIA, POINT VARGUELLO CALIFORNIA, POINT
 CONCEPTION CALIFORNIA, POINT JUDITH RHODE ISLAND, POINT LOMA CALIFORNIA PONCE
 DE LEON FLORIDA, RACE POINT MASSACHUSETTS, ST. SIMON ISLAND GEORGIA, SANTA
 ROSA ISLAND FLORIDA, SHORT BEACH NEW YORK, SPRUCE CAPE ALASKA, STRATFORD POINT
 CONNECTICUT, TOMS RIVER NEW JERSEY, UMGUA RIVER OREGON, VIRGINIA BEACH
 VIRGINIA, WILLAPA BAY WASHINGTON, YAGUINA BAY OREGON

ABSTRACT THIS FILE CONTAINS VISUAL OBSERVATIONS OF OCEAN
 WAVE HEIGHT, PERIOD, DIRECTION AND BREAKER TYPE FOR BREAKING WAVES IN THE SURF
 ZONE OBSERVED BY U.S. COAST GUARD PERSONNEL AT VARIOUS STATIONS ALONG THE
 COAST IN COOPERATION WITH CERC AND ARE RECORDED ON SURF OBSERVATION FORMS.
 GENERALLY OBSERVATIONS ARE MADE 6 TIMES DAILY AT 4 HOUR INTERVALS. OBJECTIVES
 OF THE PROGRAM ARE TO PROVIDE SCIENTISTS AND ENGINEERS A KNOWLEDGE OF SURF
 ZONE WAVE CLIMATOLOGY FOR USE IN RESEARCH AND IN DESIGN OF COASTAL STRUCTURES.
 RECORDS FOR EACH STATION ARE NOT CONTINUOUS, GAPS EXIST IN DATA COLLECTING.
 APPLICATION PROGRAMS HAVE BEEN WRITTEN BY THE C.E.R.C. ADP STAFF TO SORT DATA
 BY DATE, COMPUTE TEN STATISTICAL TABLES OF VARIOUS COMBINATIONS OF SURF (OR
 WAVE) HEIGHT, PERIOD, DIRECTION, AND BREAKER TYPE. TO CREATE A TAPE OF PAIRED
 HEIGHT AND PERIOD OBSERVATIONS BETWEEN TWO LOCATIONS. COMPUTES MONTHLY MEAN
 AND DOMINANT HEIGHT AND PERIOD AND THEIR CORRELATION COEFFICIENTS BETWEEN TWO
 LOCATIONS, LISTING OF JOINT DISTRIBUTION TABLES OF SURF (OR WAVE) HEIGHT AND
 PERIOD, COMPUTES DISTRIBUTION OF HEIGHT AND PERIOD RUN LENGTHS. PLOTS OF JOINT
 DISTRIBUTIONS TABLES FOR HEIGHT AND PERIOD AND CORRELATION COEFFICIENTS FOR
 DATA AT TWO LOCATIONS WHICH HAVE BEEN EXTRACTED BY HEIGHT RUN LENGTHS,
 EXTRACTS DATA HAVING LESS THAN SPECIFIED HEIGHT RUN LENGTHS, COMPUTES MEAN
 HEIGHT AND PERIOD FOR ENTIRE RANGE OF DATES AND BY MONTH FOR EACH LOCATION.
 COMPUTES TOTAL NUMBER OF OBSERVATIONS AND CUMULATIVE FREQUENCIES BY WAVE
 PERIOD INTERVAL. A PROGRAM WHICH COUNTS NUMBER OF INVALID OR 'IMPOSSIBLE' DATA
 OBSERVATIONS (SQUARE ROOT OF WAVE HEIGHT OVER PERIOD GREATER THAN 1.0659) AND
 COMPUTES PERCENTAGES OF IMPOSSIBLE READINGS FOR EACH YEAR AT EACH LOCATION.
 LISTING OF SURF DATA (DATE, TIME, WAVE HEIGHT, PERIOD, DIRECTION AND BREAKER
 TYPE) FOR ONE STATION OVER A SPECIFIED PERIOD OF TIME. A PROGRAM WHICH
 COMPUTES MONTHLY AVERAGE HEIGHT, PERIOD, PERIOD WITHOUT PHI (PHASE ANGLE),
 PERCENTAGE PHI OCCURRENCES, PERCENTAGE OF SPILLING WAVES AND SAME AVERAGES FOR
 TOTAL OBSERVATIONS. A PROGRAM WHICH COMPUTES MONTHLY RATIOS OF THE MEAN FOR
 EACH OF THE 6-4 HOURLY REPORTING INTERVALS TO THE MEAN OF THE TOTAL FOR ALL
 OBSERVATIONS, FOR WAVE HEIGHT, PERIOD, DIRECTION AND BREAKER TYPE.

NAME DR. C.L. HARRIS / OCEANOGRAPHY BRANCH
 PHONE NUMBER 202 325 7556
 INSTITUTION OR AGENCY DEPARTMENT OF THE ARMY, COASTAL ENGINEERING RESEARCH
 CENTER
 STREET KINGMAN BUILDING
 CITY FORT BELVOIR
 STATE VIRGINIA
 ZIP CODE 22060

FILE NAME COPPER, LEAD AND MERCURY IN ZOOPLANKTON
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL WATERS, NEW YORK
 BIGHT, BERMLCA

ABSTRACT PLANKTON SAMPLES FROM TOWS FOR NESTON WERE ANALYSED
 FOR COPPER, LEAD, AND MERCURY. SAMPLES WERE TAKEN FROM SURFACE TO 15 METERS
 IN THE NEW YORK BIGHT AND FROM SURFACE TO 250 METERS IN OPEN WATER BETWEEN THE
 NEW YORK BIGHT AND THE BERMLCA ISLANDS. PLANKTON SAMPLES WERE KEPT OUT NOT
 IDENTIFIED.

NAME DR. WILLIAM FITZGERALD
 PHONE NUMBER 203 446 1020
 INSTITUTION OR AGENCY MARINE SCIENCES INSTITUTE, UNIVERSITY OF CONNECTICUT
 STREET AVERY POINT
 CITY GROTON
 STATE CONNECTICUT
 ZIP CODE 06340

FILE NAME CORE SECTION WEIGHT OF DEEP SEA CORES
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN

ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS
 INSTITUTION OF OCEANOGRAPHY IS AFFILIATED WITH THE JOINT OCEANOGRAPHIC
 INSTITUTIONS FOR DEEP EARTH SAMPLING (JOCIDES). DSDP HAS TAKEN GEOLOGICAL AND
 GEOPHYSICAL DATA FROM THE DRILLING SHIP GLACIER CHALLENGER AT 383 SITES OVER
 THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED AND ARCHIVED BY
 THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND RETRIEVAL
 METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE FROM THE
 GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS A
 SEPARATE FILE. IN THE EARLIER PHASES OF THE PROJECT EACH CORE SECTION WAS
 WEIGHED BEFORE SPLITTING TO OBTAIN A ROUGH ESTIMATE OF BULK DENSITY. DENSITY
 IS RECORDED AS G/CC AND PUNCHED ON CARDS.

NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3525
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF
 OCEANOGRAPHY
 STREET P.O. BOX 1525
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92033

FILE NAME CORES FROM THE DEEP SEA DRILLING PROJECT
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
 ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS INSTITUTION OF OCEANOGRAPHY IS AFFILIATED WITH THE JOINT OCEANOGRAPHIC INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). DSDP HAS TAKEN GEOLOGICAL AND GEOPHYSICAL DATA FROM THE DRILLING SHIP GLOMAR CHALLENGER AT 383 SITES OVER THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED AND ARCHIVED BY THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND RETRIEVAL METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE FROM THE GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS A SEPARATE FILE. THIS FILE CONSISTS OF THE ACTUAL CORED SAMPLES. EACH SECTION OF THE CORE IS SPLIT IN HALF. ONE HALF REMAINS INTACT AS AN ARCHIVE, THE OTHER IS SAMPLED. ARCHIVE CORES FOR THE PACIFIC AND INDIAN OCEANS ARE STORED AT SCRIPPS, ATLANTIC CORES ARE STORED AT LAMONT. COLOR AND BLACK AND WHITE PHOTOS OF ARCHIVED CORES ARE AVAILABLE. THE SAMPLED HALF IS STORED AND ACTUAL SAMPLES ARE AVAILABLE TO QUALIFIED SCIENTISTS. CORED DEPTHS MAY BE UP TO 1.5 KM SUBBOTICM DEPTH.

NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3529
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF OCEANOGRAPHY
 STREET P.O. BOX 1525
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92093

FILE NAME COSMIC RAY DATA (NEUTRON TELESCOPES) F.3
 GENERAL GEOGRAPHIC AREA WORLDWIDE
 ABSTRACT CUBICAL NEUTRON TELESCOPE CONSISTS OF DETECTORS IN COINCIDENCE AND RESPONDS TO THE HARD COMPONENT OF SECONDARY COSMIC RAY RADIATION, MAINLY MU-MESONS NEAR SEA LEVEL. UNDERGROUND TELESCOPES RESPOND TO EVEN HIGHER ENERGIES DUE TO ADDED ABSORBER BETWEEN PRODUCTION LAYER AND THE CUBICAL NEUTRON TELESCOPE DETECTOR. NARROW-ANGLE TELESCOPE DESIGNED FOR MUCH NARROWER RESPONSE PATTERN ABOUT THE VERTICAL. SHOWER APPARATUS CONSISTS OF AN ARRAY OF DETECTORS, COVERING SEVERAL SQUARE METERS, MEASURES ENERGIES ABOUT 10 EXPONENT 12 EV. TYPICAL DATA BI-HOURLY COUNT RATES AS A FUNCTION OF DAY, MONTH AND YEAR FOR A GIVEN STATION.

NAME DIVISION CHIEF
 PHONE NUMBER 303 499 1000 X6467
 INSTITUTION OR AGENCY SOLAR-TERRRESTRIAL PHYSICS D63
 STREET NCA//EIS/NSCC
 CITY BELLER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME COSMIC RAY DATA (NEUTRON MONITORS AND SUPERMONITORS) F.1
 GENERAL GEOGRAPHIC AREA WORLDWIDE
 ABSTRACT MEASUREMENT OF COSMIC-RAY INTENSITY BY GROUND-BASED MONITORS ARE NORMALLY REPORTED AS HOURLY (OR BIHOURLY) COUNTS, BOTH UNCORRECTED AND CORRECTED FOR BAROMETRIC PRESSURE. TABLES OF DAILY AVERAGES FOR SELECTED STATIONS HAVE BEEN PUBLISHED SINCE JANUARY 1959. GRAPHS OF HOURLY VALUES FOR SELECTED STATIONS PUBLISHED SINCE JULY 1966 IN SOLAR-GEOPHYSICAL DATA. SOME GRAPHS BACK TO JANUARY 1959, MUCH OF THE DATA IN A STANDARD FORMAT OF PUNCHED CARDS OR MAGNETIC TAPE. FOR SELECTED SPECIAL EVENTS FIVE MINUTE OR HALF HOUR AVERAGES AVAILABLE FROM SEVERAL STATIONS. CATALOG BY CUTOFF RIGIDITIES FOR EACH STATION, SUPERMONITORS HAVE COUNTING RATES ABOUT 20 TIMES GREATER THAN NEUTRON MONITORS. BF3 PROPORTIONAL COUNTERS USED TO DETECT NEUTRONS DEEP WITHIN THE ATMOSPHERE. TIMES OF BEGINNING, MAXIMUM, END, ARE POSSIBLE FROM DATA ON DIGITAL MAGNETIC TAPE AND FROM X-Y PLOTS AND TABULATIONS WHERE HOURLY OR MORE FREQUENT MEASUREMENTS ARE RECORDED; MANY STATIONS PROVIDE ONLY DAILY AVERAGES OF HOURLY DATA. ALL-NOTE THAT FOR THE INTERPRETATION OF THESE DATA OTHER DATA ARE OF TEN REQUIRED AND ARE AVAILABLE FROM WCC-A FOR STP; THESE INCLUDE MAGNETIC CUTOFF RIGIDITY, ASYMPTOTIC CORNE OF ACCEPTANCE, SCALING FACTOR, AND BAROMETRIC COEFFICIENT, WHICH ARE ALL PROPERTIES OF THE STATION LOCATION.

NAME DIVISION CHIEF
 PHONE NUMBER 303 499 1000 X6467
 INSTITUTION OR AGENCY SOLAR-TERRRESTRIAL PHYSICS D63
 STREET NCA//EIS/NSCC
 CITY BELLER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME CREEL CENSUS IN CHEPTANK RIVER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND, COASTAL, CHEPTANK RIVER
 ABSTRACT NCA-RANDOM SAMPLE DESIGN CREEL CENSUS OF THE CHEPTANK RIVER. EMPHASIS ON ANADROMOUS FISHES IN THE SPORT FISHERY. 300 INTERVIEWS BETWEEN APRIL AND JUNE OF 1972 AND 1973.

NAME W.R. CARTER
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAWES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME CREEL CENSUS OF ANADROMOUS FISHES IN SUSQUEHANNA RIVER AND FLATS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND, COASTAL, SUSQUEHANNA RIVER
 ABSTRACT NON-RANDOM SAMPLE DESIGN CREEL CENSUS OF THE LOWER SUSQUEHANNA RIVER AND SUSQUEHANNA FLATS. EMPHASIS ON THE ANADROMOUS SPECIES IN THE SPORT FISHERY. 1500 INTERVIEWS BETWEEN APRIL AND JUNE 1970.
 NAME W.R. CARTER
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAWES STATE OFFICE BUILDING
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FILE NAME CRETACEOUS AND TERTIARY SECTIONS, DEEP TEST WELL, GREENWOOD, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., SOUTH CENTRAL DELAWARE
 ABSTRACT GEOLOGIC DATA OBTAINED BY THE DRILLING IN AUGUST 1970 OF A 1500-FOOT DEEP EXPLORATORY WATER WELL NEAR GREENWOOD, DELAWARE ARE PRESENTED IN REPORT FORM. THE PURPOSE OF THIS REPORT WAS TO DESCRIBE THE MINERALOGY, TEXTURES, AND GEOPHYSICAL CHARACTERISTICS OF THE SEDIMENTS IN THE EXPLORATORY WELL AND TO ATTEMPT TO CORRELATE THE ROCK-STRATIGRAPHIC UNITS IDENTIFIED WITH OTHERS IN THE COASTAL PLAIN.
 NAME JOHN F. TALLEY
 PHONE NUMBER 302 736 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME CRCP DEPREICATION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW JERSEY, DELAWARE BAY
 ABSTRACT SITE INSPECTIONS WERE MADE ON FARMING AREAS ALONG DELAWARE BAY FROM CAPE MAY POINT TO SEA BREEZE TO DETERMINE FEEDING EFFECTS OF WINTERING BIRDS ON CRCP LANDS. FLOCKS ANALYZED ARE SNOW GEESE, CANADA GEESE, AND WHISTLING SWANS.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PRODUCTION
 STREET DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 P.O. BOX 1805
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME CRCP DEPREICATION FROM WINTERING BIRDS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, CAPE MAY, CUMBERLAND AND SALEM COUNTIES
 ABSTRACT LOCATION, ACREAGE, AND CRCP TYPE UTILIZED BY WINTERING SNOW GEESE POPULATION IN DELAWARE BAY ARE REPORTED FOR JANUARY THROUGH FEBRUARY 1977. COUNTS AND OBSERVATIONS WERE MADE BY BIOLOGISTS AND FARMERS. A MAP IS INCLUDED AND SHOWS FIELDS USED BY SNOW GEESE, CANADA GEESE, SWANS AND BRANTS DURING 1975, 1976 AND 1977.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 STREET DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 P.O. BOX 1805
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME CRUISE REPORTS FOR SUSSEX COUNTY CUTFALL AREA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE, CAPE HENLOPEN, SOUTH BETHANY
 ABSTRACT THIS FILE CONTAINS THE DATA COLLECTED ON 4 CRUISES TO AREAS ABOUT 1 MILE OFFSHORE OF CAPE HENLOPEN AND SOUTH BETHANY DELAWARE DURING 1973. THE CRUISE DATES WERE JULY 18, AUGUST 2, 10, AND 24. DATA COLLECTED SALINITY, TEMPERATURE INFORMATION INCLUDING PROFILE STUDIES AROUND EACH LOCATION.
 NAME STUART KLIPFERMAN
 PHONE NUMBER 302 736 1212
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET COLLEGE OF MARINE STUDIES
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME CRUSTACEANS OF INDIAN RIVER INLET, DELAWARE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, DELAWARE, INDIAN RIVER INLET
 ABSTRACT COUNT, LENGTH AND IDENTIFICATION OF ZOOPLANKTON (ISOPODS) IN THE INDIAN RIVER INLET, DELAWARE AT 1 STATION SAMPLED WEEKLY FOR 3 YEARS
 NAME GEOFFREY GRANT
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester Point
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME CURRENT STUDY AT THE MOUTH OF THE CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA CHESAPEAKE
 BAY MOUTH

ABSTRACT MISSION WC87, FLIGHT01, WAS ACCOMPLISHED ON
 SEPTEMBER 16, 1971, UTILIZING A WALLCPS FLIGHT CENTER LEASED HELICOPTER
 EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE
 VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO TRACE
 CURRENTS PASSING FROM THE MOUTH OF THE CHESAPEAKE BAY INTO THE REAR SHORE
 BARRIER ISLAND CURRENTS AND DETERMINE THE PRESENCE OF EDDIES AND BACK CURRENTS
 ALONG THE CAPE HENRY SHORELINE.

NAME MICHAEL CONGER
 PHONE NUMBER EC4 624 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS
 DURING MARCH, APRIL, AND MAY 1975
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY

ABSTRACT A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT
 BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION
 WAS CONDUCTED DURING MARCH, APRIL, AND MAY 1975. CURRENT METERS DEPLOYED AT
 DEPTHS OF 4.5-5 AND 10-10.5 METERS AT TWO SITES CONTINUOUSLY MONITORED CURRENT
 SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF
 CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE THREE MONTH
 PERIOD.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS
 DURING DECEMBER 1974, JANUARY AND FEBRUARY 1975
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY

ABSTRACT A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT
 BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION
 WAS CONDUCTED DURING DECEMBER 1974, JANUARY AND FEBRUARY 1975. CURRENT METERS
 DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY
 MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE
 FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED
 CURRENTS OVER THE THREE MONTH PERIOD.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS
 DURING SEPTEMBER, OCTOBER, AND NOVEMBER 1974
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY

ABSTRACT A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT
 BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION
 WAS CONDUCTED DURING SEPTEMBER, OCTOBER, AND NOVEMBER 1974. CURRENT METERS
 DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY
 MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE
 FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED
 CURRENTS OVER THE THREE MONTH PERIOD.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS
 DURING JULY 1974
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT
 BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION
 WAS CONDUCTED DURING JULY 1974. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND
 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND
 DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT
 SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE MONTH.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS
 DURING MAY 1974
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT
 BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION
 WAS CONDUCTED DURING MAY 1974. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND
 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND
 DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT
 SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE MONTH.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS
 DURING MARCH 1974
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT
 BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION
 WAS CONDUCTED DURING MARCH 1974. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND
 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND
 DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT
 SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE MONTH.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS FROM
 JANUARY THROUGH DECEMBER 1973
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT
 BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION
 WAS CONDUCTED DURING JANUARY THROUGH DECEMBER 1973. CURRENT METERS DEPLOYED AT
 DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT
 SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF
 CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS PER MONTH.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS FROM
 APRIL THROUGH DECEMBER 1972
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT
 BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION
 WAS CONDUCTED FROM APRIL THROUGH DECEMBER 1972. CURRENT METERS DEPLOYED AT
 DEPTHS OF 4-5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED. CURRENT
 SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF
 CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS PER MONTH.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 60 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME CURSORY BIOLOGICAL SURVEY OF THE UPPER EAST BRANCH
 OF RED CLAY CREEK
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, CHESTER COUNTY,
 RED CLAY CREEK
 ABSTRACT THIS STUDY INCLUDES BIOLOGICAL QUALITY SURVEY DATA
 FOR THE UPPER EAST BRANCH OF RED CLAY CREEK DURING MAY, AUGUST AND NOVEMBER
 1969. BIOLOGICAL SURVEY DATA TAKEN ON THE 3 OCCASIONS INCLUDES COUNTS AND
 SPECIES DETERMINATIONS OF AQUATIC PLANTS, ANIMALS, FISH, PHYTOPLANKTON, AND
 BENTHIC ANIMALS.

NAME ROBERT STRUBLE
 PHONE NUMBER 215 656 0475
 INSTITUTION OR AGENCY BRANDYWINE VALLEY ASSOCIATION INCORPORATED
 STREET 409 FARMERS AND MECHANICS BUILDING
 CITY WEST CHESTER
 STATE PENNSYLVANIA
 ZIP CODE 15380

FILE NAME C2A CAMERA TEST MISSION
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, POCOMOKE RIVER, CHINCOTEAGLE BAY
 ABSTRACT MISSION #111, FLT. 1, MARCH 6, 1972, WITH WALLCOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH A C2A AND T-11 CAMERAS FOR CHESAPEAKE BAY
 ECOLOGICAL PROGRAM OFFICE. OBJECTIVE - TO TEST C2A CAMERA SYSTEM PRIOR TO
 MAKING SYSTEMS OPERATIONAL.

NAME PAUL ALFONSI
 PHONE NUMBER 804-624-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DATA FROM VIRGINIA-MARYLAND COOPERATIVE FISH TRAWL
 SURVEYS IN CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY
 ABSTRACT REPORT OF DATA FROM 96 30-FOOT OTTER STATIONS
 TRAWLS AT 24 STATIONS DURING THE VIRGINIA-MARYLAND COOPERATIVE FISH TRAWL
 SURVEYS IN CHESAPEAKE BAY 200 SALINITY/TEMPERATURE STATIONS CONSISTS OF
 SURFACE AND BOTTOM MEASUREMENTS.

NAME LIBRARIAN
 PHONE NUMBER 703-642-2111 X15
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME DATA ON COASTAL CURRENTS OFF CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, MOUTH OF CHESAPEAKE
 BAY, VIRGINIA
 ABSTRACT A DATA REPORT OF THE COASTAL CURRENTS OFF THE MOUTH
 OF THE CHESAPEAKE BAY USING SURFACE AND BOTTOM DRIFT DEVICES RELEASED AT 25
 DIFFERENT LOCATIONS OVER A 2 YEAR PERIOD.

NAME LIBRARIAN
 PHONE NUMBER 703-642-2111 X15
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME DATING OF LATE PLEISTOCENE AND HOLOCENE RELATIVE
SEA LEVELS IN COASTAL DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL AREAS
ABSTRACT DATA ON THE CARBON-14 DATING OF ORGANIC MATERIALS
PRESENT IN RECENT MARINE SEDIMENT CORES TAKEN IN THE STATE OF DELAWARE ARE
PRESENTED IN REPORT FORM TO ILLUSTRATE THE DETERMINED LOCAL RELATIVE SEA LEVEL
CURVE FOR HOLOCENE TIME WITH EXTENSIONS INTO LATE PLEISTOCENE EPOCH.
NAME DANIEL F. BELKNAP
PHONE NUMBER 302 736 2565
INSTITUTION OR AGENCY GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME DEBRIS SLIDES AND FLOOD DAMAGE FROM HURRICANE
CAMILLE IN WEST VIRGINIA
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., WEST VIRGINIA, GREENBRIAR
COUNTY LEWISBURG
ABSTRACT STUDY OF DEBRIS SLIDES AND RELATED FLOOD DAMAGE
RESULTING FROM HURRICANE CAMILLE IN THE LOVELIA QUADRANCE NEAR LEWISBURG, WEST
VIRGINIA IN 1970 AND 1971. 1534 SLIDE SITES WERE LOCATED FROM SOIL
CONSERVATION SERVICE AIR PHOTOGRAPHS. DATA INCLUDES LENGTH OF SCAR HEAD,
MAXIMUM WIDTH OF SCAR HEAD, AVERAGE DEPTH, AVERAGE PERCENT SLOPE OF SITE,
AZIMUTH OF MOVEMENT, GEOLOGIC FORMATION AND LITHOLOGY, VEGETATION, SOIL
THICKNESS, SOIL HORIZONS AND THICKNESS, SOIL COLOR, SOIL TEXTURE, AND
CLASSIFICATION OF SLOPE FAILURE.
NAME RAYMOND H. SCHNEIDER
PHONE NUMBER 315 341 4252
INSTITUTION OR AGENCY EARTH SCIENCES DEPARTMENT
STREET STATE UNIVERSITY COLLEGE AT OSWEGO
CITY OSWEGO
STATE NEW YORK
ZIP CODE 13126

FILE NAME DECAPOD CRUSTACEANS OF NORFOLK CANYON-JUNE 1973
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF
OFF VIRGINIA
ABSTRACT SURVEY OF CRUSTACEAN COMMUNITY IN NORFOLK CANYON,
TRAWL AND PCT DATA FOR DECAPODS EMPHASIZED. LIFE HISTORY, ECOLOGY, AND
DISTRIBUTION OF DOMINANT DECAPODS.
NAME PAUL HAEFNER
PHONE NUMBER 804-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLOUCESTER POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME DECAPODS OF CHINCOTEAGUE BAY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELMARVA PENINSULA,
CHINCOTEAGUE BAY
ABSTRACT SURVEY OF CHINCOTEAGUE BAY CONDUCTED TO DEFINE THE
DISTRIBUTION AND ABUNDANCE OF DECAPOD CRUSTACEANS. ABUNDANCE CORRELATED WITH
PHYSICAL AND CHEMICAL FACTORS. A SERIES OF 156 STATIONS ALONG GRID TRANSECTS
WERE SAMPLED WITH A 24 INCH OYSTER DREEGE. REPRESENTATIVE SERIES OF SPECIMENS
RETAINED IN CBL MUSEUM COLLECTIONS.
NAME LITERARIAN
PHONE NUMBER 301 326 4281
INSTITUTION OR AGENCY CHESAPEAKE ECOLOGICAL LABORATORY
CITY SOLEMONS
STATE MARYLAND
ZIP CODE 20688

FILE NAME DEEPWATER THERMAL POWER PLANT STUDY-DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT MISSISSIPPI, FLIGHT 01, WAS ACCOMPLISHED ON MARCH
27, 1972, UTILIZING A WALLCFS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11
AERIAL MAPPING CAMERA AND A AAC-2 THERMAL IR SCANNER, IN COOPERATION WITH THE
U.S. ARMY ENGINEER WATERWAYS EXPERIMENT STATION. THE OBJECTIVE OF THE FLIGHT
WAS TO IMAGE TIDAL CHANGES IN THE POSITION, EXTENT, AND INTENSITY OF THERMAL
PLUMES EMITTED BY THE DEEPWATER POWER PLANT THROUGHOUT A TIDAL CYCLE. THE IR
SCANNER PRINTS DID NOT TAKE.
NAME MICHAEL CANGER
PHONE NUMBER 804 824 3411
INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
CITY WALLCFS ISLAND
STATE VIRGINIA
ZIP CODE 23337

FILE NAME DELAWARE AIR QUALITY MONITORING SYSTEM
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT AIR QUALITY DATA WHICH HAVE BEEN COLLECTED ON A
 CONTINUOUS BASIS FROM 1969 TO THE PRESENT AT A NUMBER OF POINT SOURCES
 THROUGHOUT DELAWARE ARE AVAILABLE IN COMPUTER PRINTOUT FORM. MEASUREMENTS OF
 CONCENTRATIONS OF DIOXIDE, NITROGEN DIOXIDE, CARBON MONOXIDE, TOTAL OXIDANTS,
 TOTAL SUSPENDED PARTICULATES, TOTAL HYDROCARBONS AND SEVERAL HEAVY METALS, THE
 SOILING INDEX AND LOW LEVEL RADIATION HAVE BEEN OF PRIMARY CONCERN IN THE
 DELAWARE AIR QUALITY MONITORING SYSTEM.

NAME STAFF-AIR RESOURCES AND SOLID WASTE
 PHONE NUMBER 302 678 4791
 INSTITUTION OR AGENCY DIVISION OF ENVIRONMENTAL CONTROL
 STREET DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 CITY DEVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME DELAWARE AND MARYLAND BARRIER ISLAND BASE LINE DATA
 MISSION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND
 ABSTRACT MISSION NO28, FLIGHT03, WAS ACCOMPLISHED ON OCTOBER
 18, 1970, UTILIZING A HALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN
 BASE LINE DATA OF THE BARRIER ISLANDS FROM CAPE HENLOPEN SOUTH TO JUST ABOVE
 THE MARYLAND-VIRGINIA LINE ON ASSATEAGUE ISLAND.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY HALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DELAWARE BAY ENTRANCE TIDAL CURRENTS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, DELAWARE BAY
 ABSTRACT THE DATA IN THIS REPORT RELATES TO AN INVESTIGATION
 OF THE RELATIONSHIP BETWEEN THE WATER OF THE ATLANTIC OCEAN OFF THE NEW JERSEY
 COAST AND THE WATER ENTERING THE DELAWARE BAY. THIS RELATIONSHIP WAS EXPLORED
 THROUGH A CURRENT AND SALINITY MEASUREMENT STUDY. THE DATA WAS ALL OBTAINED ON
 ONE RESEARCH CRUISE ON OCTOBER 27, 1972 ON BOARD THE R/V SKIMMER FROM THE
 UNIVERSITY OF DELAWARE, COLLEGE OF MARINE STUDIES.

NAME DENNIS POLIS
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET COLLEGE OF MARINE STUDIES
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19713

FILE NAME DELAWARE BAY FRONT INVESTIGATION CRUISES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE BAY
 ABSTRACT THIS FILE CONTAINS THE CHEMICAL AND PHYSICAL DATA
 COLLECTED AS PART OF A STUDY OF FRONTAL SYSTEMS IN THE DELAWARE BAY ESTUARY.
 THE DATA, COLLECTED FROM JANUARY TO AUGUST 1975 ON BOARD THE UNIVERSITY OF
 DELAWARE R/V WOLVERINE, INCLUDES SALINITY, TEMPERATURE, TIDE, DISSOLVED
 OXYGEN, AMMONIA, NITRATE, NITRITE, PHOSPHATE, AND DISSOLVED ORGANIC CARBON
 INFORMATION FROM 20 HYDROGRAPHIC STATIONS DURING 3 SEPARATE CRUISES SOME
 ISOLATED SILICATE ANALYSES WERE ALSO RUN AND ARE INCLUDED IN THE FILE.

NAME DAVID L FIEST
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET COLLEGE OF MARINE STUDIES
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME DELAWARE BAY PHYSICAL OCEANOGRAPHY CRUISES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE BAY
 ABSTRACT THIS FILE CONTAINS THE DATA COLLECTED DURING 5 ONE
 DAY CRUISES ON THE UNIVERSITY OF DELAWARE'S R/V SKAMMER: JULY 12TH, OCTOBER
 5TH AND 13TH, NOVEMBER 17, 1972 AND JANUARY 18, JULY 28, 1973. DATA TAKEN OVER
 TIDAL CYCLES IN THE LOWER DELAWARE BAY NEAR THE SHIP ANCHORAGE AREA INCLUDES
 SALINITY, TEMPERATURE AND TIDAL STAGE OBSERVATIONS AS RELATED TO MARINE
 FRONTS. FILE INCLUDES SALINITY AND TEMPERATURE PROFILES, AS WELL AS SOME
 SECCHI DEPTH DATA.

NAME STUART KUPFERMAN
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET COLLEGE OF MARINE STUDIES
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME DELAWARE CLAY RESOURCES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT THE RESULTS OF DETAILED ANALYSES OF THE PHYSICAL
 PROPERTIES OF 48 SAMPLES OF CLAYS COLLECTED FROM VARIOUS GEOGRAPHIC AND
 STRATIGRAPHIC REGIONS IN DELAWARE, FROM 1967 TO 1969, ARE PRESENTED IN REPORT
 FORM. THE PURPOSE OF THE STUDY WAS TO DETERMINE THE COMMERCIAL VALUE OF THE
 CLAYS. ANALYSES INCLUDED QUICK AND SLOW FIRING TESTS, RAW PROPERTIES AND
 RECTARY KILN TESTS.

NAME THOMAS E. FICKETT
 PHONE NUMBER 302 738 2565
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME DELAWARE ESTUARY AND BAY COOPERATIVE PROGRAM WITH
 STATE OF NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE BAY,
 DELAWARE RIVER, NEW JERSEY
 ABSTRACT THIS FILE CONTAINS THE DATA FROM THE MEASUREMENT OF
 46 CHEMICAL AND PHYSICAL PARAMETERS FROM WATER SAMPLES TAKEN MONTHLY FROM 54
 MUNICIPAL AND INDUSTRIAL EFFLUENT DISCHARGE FACILITY ALONG THE DELAWARE RIVER
 AND ESTUARY IN NEW JERSEY. EACH FACILITY MAY HAVE MULTIPLE DISCHARGE POINTS
 WHICH WERE SAMPLED. THIS MONITORING PROGRAM CARRIED OUT BY THE STATE OF NEW
 JERSEY FOR THE DREC, BEGAN ON JULY 1, 1967 AND WILL CONTINUE ON A BIMONTHLY
 BASIS INTO THE FUTURE. THE STATE OF NEW JERSEY DEPARTMENT OF HEALTH PERFORMS
 THE ANALYSES AND HAS THEREFORE THE PROCEDURAL DETAILS.

NAME RICHARD TERTICRIELLO
 PHONE NUMBER 609 883 9500
 INSTITUTION OR AGENCY DELAWARE RIVER BASIN COMMISSION
 STREET STATE POLICE ROAD P.O. BOX 360
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08603

FILE NAME DELAWARE ESTUARY AND BAY COOPERATIVE PROGRAM WITH
 STATE OF DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE BAY,
 DELAWARE RIVER, DELAWARE
 ABSTRACT THIS FILE CONTAINS THE DATA FROM THE MEASUREMENT OF
 47 CHEMICAL AND PHYSICAL PARAMETERS FROM WATER SAMPLES TAKEN MONTHLY OR
 BIMONTHLY FROM 34 MUNICIPAL AND INDUSTRIAL EFFLUENT DISCHARGE FACILITIES OR
 SAMPLING SITES ALONG THE DELAWARE RIVER AND ESTUARY IN DELAWARE. EACH SITE OR
 FACILITY MAY HAVE MULTIPLE DISCHARGE POINTS WHICH WERE SAMPLED. THIS
 MONITORING PROGRAM CARRIED OUT BY THE STATE OF DELAWARE FOR THE DRBC, BEGAN
 JULY 1, 1967 AND WILL CONTINUE ON THE SAME BASIS INTO THE FUTURE. THE DELAWARE
 DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL PERFORMS THESE
 ANALYSES AND THEREFORE HAS PROCEDURAL DETAILS.

NAME RICHARD TERTICRIELLO
 PHONE NUMBER 609 893 9506
 INSTITUTION OR AGENCY DELAWARE RIVER BASIN COMMISSION
 STREET STATE POLICE ROAD P.O. BOX 360
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08603

FILE NAME DELAWARE ESTUARY WATER QUALITY SURVEILLANCE PROGRAM
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, DELAWARE BAY, LOWER BAY ESTUARINE
 REGION, MARCUS HOOK PENNSYLVANIA TO TRENTON, NEW JERSEY
 ABSTRACT SINCE JULY 5, 1962, THE WATER DEPARTMENT HAS
 CONDUCTED A WEEKLY SURVEY BY BOAT OF THE QUALITY OF THE ESTUARINE WATERS OF
 THE DELAWARE RIVER FROM MARCUS HOOK, PA, TO TRENTON, NJ. THE PROGRAM CONSISTS
 OF A WEEKLY COLLECTION OF GRAB SAMPLES FROM THE CENTER OF THE NAVIGATION
 CHANNEL AT EACH OF 23 STATIONS. EACH LOCATION IS FIXED BY THE PILOT OF THE
 BOAT BY REFERENCE TO BUOYS, RANGE LIGHTS, AND OTHER NAVIGATION AIDS. ANALYSES
 INCLUDE: MERCURY, ALUMINUM, TEMPERATURE, PH, ALKALINITY, TURBIDITY, DISSOLVED
 OXYGEN, BOD, COD, SPECIFIC CONDUCTANCE, CHLORIDES, ORTHO- AND POLY-PHOSPHATES,
 AMMONIA, NITRATE, NITRITE, PHENOLS, METHYLENE BLUE ACTIVE SUBSTANCES, CYANIDE,
 TOTAL COLIFORMS, FECAL COLIFORMS AND STREPTOCOCCI, ZINC, CALCIUM, MAGNESIUM,
 IRON, NICKEL, CADMIUM, COPPER, CHROMIUM, ARSENIC, MANGANESE, LEAD, AND
 BERYLLIUM.

NAME DENNIS C. BLAIR
 PHONE NUMBER 215 686 1776
 INSTITUTION OR AGENCY PHILADELPHIA WATER DEPT., RESEARCH AND DEVELOPMENT
 DIV.
 STREET 1270 MSB 15TH AND JFK BLVD
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19107

FILE NAME DELAWARE FISH MIGRATION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND
 ABSTRACT A TWENTY FIVE MONTH TAGGING STUDY TO DETERMINE HOW
 FISH USE THE CHESAPEAKE AND DELAWARE CANAL IN THEIR MIGRATIONS AND MOVEMENTS
 WAS CONDUCTED. THE PURPOSE WAS TO GAIN SOME KNOWLEDGE OF THE GEOGRAPHIC
 DISTRIBUTION OF FISH THAT SPENT SOME PART OF THEIR LIFE CYCLE IN THE CANAL
 AREA. THE PRIMARY TARGET SPECIES WAS THE AMERICAN SHAD, ALOSA SAPIDISSIMA. A
 TOTAL OF 13 SPECIES WERE TAGGED.

NAME RENAL W. SMITH
 PHONE NUMBER 301 454 0100
 INSTITUTION OR AGENCY UNIVERSITY OF MARYLAND
 STREET NATURAL RESOURCES INSTITUTE
 CITY COLLEGE PARK
 STATE MARYLAND
 ZIP CODE 20740

FILE NAME DELAWARE FISH SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND
 ABSTRACT A TWENTY NINE MONTH SURVEY OF THE FISH IN THE
 DELAWARE PORTION OF THE CHESAPEAKE AND DELAWARE CANAL WAS CONDUCTED.
 PARAMETERS INCLUDE COUNT AND SPECIES DETERMINATION OF EACH CATCH, HYDROGRAPHIC
 DATA AND LENGTH/WEIGHT RATIOS OF FISH CAUGHT AT SELECTED STATIONS. 33 SPECIES
 OF FISH WERE CAPTURED DURING THE SAMPLING PERIOD.

NAME MALCOLM H. TAYLOR
 PHONE NUMBER 302 738 2842
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET COLLEGE OF MARINE STUDIES
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19958

FILE NAME DELAWARE FISHERY SURVEY OF LENTIC WATERS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT DATA COLLECTED DURING A SURVEY CARRIED OUT IN 1974
 ON THE DELAWARE FISHERY OF LENTIC WATERS ARE PRESENTED IN REPORT FORM.
 EMPHASIZED IN THE STUDY ARE POPULATION CHARACTERISTICS OF FISH SPECIES
 INHABITING THE PONDS AND WATER QUALITY PARAMETERS OF THE PONDS.

NAME STAFF - DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET G STREET
 CITY DAVENPORT
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME DELAWARE RIVER BASIN ANADROMOUS FISHERY STUDIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER AND
 BAY
 ABSTRACT DATA COLLECTED DURING A STUDY CONDUCTED FROM 1969
 TO 1973 ON THE ANADROMOUS FISHERY IN THE DELAWARE RIVER BASIN ARE PRESENTED IN
 REPORT FORM. EMPHASIZED IN THE STUDY ARE MIGRATION PATTERNS OF ADULT AND
 JUVENILE SHAD, SAMPLING EFFICIENCIES OF 5 TYPES OF NETS AND 6 MESH SIZES OF
 THE GILLNET AND POPULATION CHARACTERISTICS OF THE ADULT AND JUVENILE SHAD.

NAME STAFF-DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DAVENPORT
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME DELAWARE RIVER BASIN COMMISSION MONITORING IN PENNSYLVANIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, DELAWARE BAY, DELAWARE RIVER
 ABSTRACT FORTY-SIX CHEMICAL AND PHYSICAL PARAMETERS WERE MEASURED FROM WATER SAMPLES TAKEN MONTHLY FROM 36 MUNICIPAL AND INDUSTRIAL EFFLUENT DISCHARGE FACILITIES ALONG THE DELAWARE RIVER IN PENNSYLVANIA. EACH FACILITY MAY HAVE MULTIPLE DISCHARGE SITES EACH OF WHICH WERE SAMPLED. THIS PROJECT STARTED IN JULY OF 1967 AND IS CONTINUING INTO THE FUTURE AS PART OF THE DELAWARE RIVER BASIN COMMISSION COOPERATIVE AGREEMENT MONITORING NETWORK WITH THE COMMONWEALTH OF PENNSYLVANIA.
 NAME RICHARD TERTCRIELLE
 PHONE NUMBER 609 883 9500
 INSTITUTION OR AGENCY DELAWARE RIVER BASIN COMMISSION
 STREET STATE POLICE ROAD P.O. BOX 360
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08603

FILE NAME DELAWARE RIVER BASIN WATER QUALITY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, PENNSYLVANIA
 ABSTRACT THE DELAWARE RIVER BASIN ABOVE TIDEWATER WAS THE FOCUS FOR A COMPLETE STUDY OF THE CHEMICAL AND BIOLOGICAL INDICATORS OF WATER QUALITY. THE MAIN OBJECTIVE OF THE STUDY WAS TO DELINEATE MAJOR POLLUTIONAL PROBLEMS. THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES WORKED JOINTLY ON THIS PROJECT; EACH AGENCY CARRYING OUT THE ANALYSES OF THEIR RESPECTIVE WATERS.
 NAME CHIEF BIOLOGIST
 PHONE NUMBER 609 292 7754
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER RESOURCES, BIOLOGICAL TECHNICAL SUPPORT UNIT
 STREET P.O. BOX 2809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME DELAWARE RIVER POWER PLANT THERMAL PLUMES STUDY
 WATERWAYS EXPERIMENT STATION, U S ARMY CORPS OF ENG
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, DELAWARE RIVER
 ABSTRACT MISSION W093, FLT. 1, NOV. 11, 1971, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA, AN RS-7 THERMAL INFRARED SCANNER AND A PRT-5 PRECISION RADIATION THERMOMETER. FLIGHT MADE IN COOPERATION WITH WATERWAYS EXPERIMENT STATION OF CORPS OF ENGINEERS AT VICKSBURG, MISSISSIPPI. OBJECTIVE - TO DEFINE THE LOCATION AND EXTENT OF THERMAL DISCHARGE PLUMES FROM DEEPWATER, EDDYSTONE AND BURLINGTON FOSSIL FUEL ELECTRIC GENERATING PLANTS.
 NAME PAUL ALFENSI
 PHONE NUMBER EC4-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DELAWARE RIVER POWER PLANT THERMAL PLUMES STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, DELAWARE RIVER
 ABSTRACT MISSION W093, FLIGHT 01, WAS ACCOMPLISHED ON NOVEMBER 11, 1971, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND AN RS-7 THERMAL INFRARED SCANNER AND A PRT-5 PRECISION RADIATION THERMOMETER. THE FLIGHT WAS MADE IN COOPERATION WITH THE WATERWAYS EXPERIMENT STATION OF THE CORPS OF ENGINEERS AT VICKSBURG, MISSISSIPPI. THE OBJECTIVE OF THE FLIGHT WAS TO DEFINE THE LOCATION AND EXTENT OF THERMAL DISCHARGE PLUMES FROM DEEPWATER, EDDYSTONE, AND BURLINGTON FOSSIL FUEL ELECTRIC GENERATING PLANTS.
 NAME MICHAEL CONGER
 PHONE NUMBER EC4 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DELAWARE RIVER SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE RIVER
 ABSTRACT THIS FILE CONTAINS THE DELAWARE RIVER SURVEY DATA
 TAKEN SINCE MAY 1970 ON A MONTHLY BASIS, MAY THROUGH OCTOBER, AT 11 STATIONS
 ON THE RIVER BY THE DUPONT COMPANY. THE PARAMETERS MEASURED INCLUDE DISSOLVED
 OXYGEN, ALKALINITY, CHLORIDE, TEMPERATURE, AND RIVER FLOW.
 NAME EMIL WIEST
 PHONE NUMBER 609 299 5000
 INSTITUTION OR AGENCY DUPONT COMPANY, ENVIRONMENTAL CONTROL DIVISION
 STREET CHAMBERS WORKS
 CITY DEERPARTER
 STATE NEW JERSEY
 ZIP CODE 08023

FILE NAME DELAWARE RIVER SURVEY; EDDYSTONE GENERATING STA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE RIVER,
 PENNSYLVANIA, PHILADELPHIA
 ABSTRACT SURVEY OF FISH AND HYDROGRAPHIC PARAMETERS AT THE
 EDDYSTONE POWER GENERATING STATION IN THE DELAWARE RIVER IN THE VICINITY OF
 PHILADELPHIA PA.
 NAME EDWARD C RANEY
 INSTITUTION OR AGENCY ICHTHYOLOGICAL ASSOC INC
 STREET 301 FOREST DRIVE
 CITY ITHACA
 STATE NEW YORK
 ZIP CODE 14850

FILE NAME DELAWARE RIVER WATER ANALYSIS AT CHAMBERS WORKS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE RIVER, NEW
 JERSEY, DEERPARTER
 ABSTRACT THIS FILE CONTAINS THE COMPLETE DATA FROM
 BIOLOGICAL, CHEMICAL, AND PHYSICAL MONITORING OF THE DELAWARE RIVER AT THE
 DUPONT CHAMBERS WORK INLET DEERPARTER NEW JERSEY. THIS MONITORING BEGAN IN 1971
 AND IS DONE DAILY FOR MOST OF THE 66 PARAMETERS MEASURED BY THE ENVIRONMENTAL
 CONTROLS DIVISION OF DUPONT COMPANY.
 NAME EMIL WIEST
 PHONE NUMBER 609 299 5000
 INSTITUTION OR AGENCY DUPONT COMPANY ENVIRONMENTAL CONTROL DIVISION
 STREET CHAMBERS WORKS
 CITY DEERPARTER
 STATE NEW JERSEY
 ZIP CODE 08023

FILE NAME DELAWARE WETLANDS, COASTAL, AND MARINE STUDIES,
 COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY
 ABSTRACT MISSION W218, FLI. 1, JULY 7, 1973, WITH HALLOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND AN I2S
 CAMERA SYSTEM IN COOPERATION WITH COLLEGE OF MARINE STUDIES OF UNIV. OF DEL.
 OBJECTIVE - TO OBTAIN INTERMEDIATE ALTITUDE IMAGERY OF DEL. COASTLINE OF DEL.
 BAY AND TRANSECTS OF BAY AT COHANSEY RIVER-ECMBAY FOCK AND AT CAPE MAY-CAPE
 HENLOPEN. FLIGHT MADE TO COINCIDE WITH ERTS OVERPASS AND IN SUPPORT OF GROUND
 TRUTH TEAMS TAKING WATER SAMPLES FROM NASA HALLOPS HELICOPTER AND UNIV. OF
 DEL. POWER BOATS. WEATHER - HAZY, AIR TEMP. 6 DEG. C AT 11,500 FT, MSL WITH
 WIND OF 14 KNOTS FROM 300 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-624-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY HALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DELAWARE 1975 STATE WATER QUALITY INVENTORY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE
 ABSTRACT THIS REPORT INCLUDES DATA COLLECTED BY THE
 DEPARTMENT OF NATURAL RESOURCES OF THE STATE OF DELAWARE PURSUANT TO THE 1975
 STATE WATER QUALITY INVENTORY PRESENTED TO THE U.S. E.P.A. THE FILE INCLUDES
 PHYSICAL CHEMICAL, BIOLOGICAL, AND NUTRIENT DATA ON 23 STREAMS, RIVERS AND
 SMALL BAYS FROM MAY TO OCTOBER 1974 AS WELL AS COMPARATIVE DATA PRIMARILY FROM
 THE SAME PERIOD IN 1970.

NAME HARRY W. CITO
 PHONE NUMBER 302 678 4771
 INSTITUTION OR AGENCY STATE OF DELAWARE
 STREET DEPARTMENT OF NATURAL RESOURCES
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME DELEAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY
 ABSTRACT CURRENT VELOCITIES AND SUSPENDED SEDIMENT
 CONCENTRATIONS WERE MONITORED AT APPROXIMATELY 43 STATIONS THROUGHOUT THE
 DELAWARE BAY FOR A PERIOD OF TWO YEARS.
 NAME DR B L COSTAN
 PHONE NUMBER 717-872-5411
 INSTITUTION OR AGENCY MARINE SCIENCE CONSORTIUM
 CITY MILLERSVILLE
 STATE PENNSYLVANIA
 ZIP CODE 17551

FILE NAME DELINEATION OF FOOD WEB RELATIONSHIPS OF RESIDENT AND MIGRATORY FISH SPECIES IN LITTLE EGG HARBOR, NEW JERSEY; INTERIM REPORT COVERING THE PERIOD FROM JULY 1973-JUNE 1975

GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, LITTLE EGG HARBOR

ABSTRACT A STUDY WAS CONDUCTED FROM JULY 1973 TO JUNE 1975 OF THE STOMACH CONTENTS OF RESIDENT AND MIGRATORY FISH SPECIES IN LITTLE EGG HARBOR, NEW JERSEY TO QUANTITATIVELY MAP THE TROPHIC RELATIONSHIPS EXISTING BETWEEN THE VARIOUS ORGANISMS INHABITING THE ESTUARINE SYSTEM.

NAME PRINCIPAL FISHERIES BIOLOGIST

PHONE NUMBER 609 652 5585

INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF FISH, GAME AND SHELLFISH, BUREAU OF FISHERIES

STREET NACOTE CREEK RESEARCH STATION

CITY ASECCON

STATE NEW JERSEY

ZIP CODE 08201

FILE NAME DELMARVA ECOLOGICAL SURVEY PLANKTONIC AND BENTHIC ORGANISMS

GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA, CHESAPEAKE AND DELAWARE CANAL

ABSTRACT DATA COLLECTED ON THE PLANKTONIC AND BENTHIC ORGANISMS FOUND IN THE CHESAPEAKE AND DELAWARE CANAL AND ADJACENT WATERS DURING THE 1974 ECOLOGICAL STUDY OF THE AQUATIC ENVIRONMENT IN THE VICINITY OF THE PROPOSED SUMMIT POWER STATION ARE PRESENTED IN REPORT FORM. SPECIES DETERMINATIONS AND DISTRIBUTIONS OF PHYTOPLANKTON, ZOOPLANKTON AND BENTHIC ORGANISMS ARE GIVEN IN ORDER TO OBTAIN INFORMATION ABOUT DAILY AND SEASONAL CHANGES IN POPULATION STRUCTURE. VITALITY STUDIES ON THE ZOOPLANKTON ARE INCLUDED. THE RESULTS OF A COMPREHENSIVE ANALYSIS OF THE PHYSICAL/CHEMICAL ENVIRONMENT IN THE CANAL WATERS DURING THE BIOLOGICAL SAMPLING PROGRAM ARE ALSO AVAILABLE. MEASURED PARAMETERS INCLUDE CELLICOUNTS, NUTRIENTS, PIGMENTS, HEAVY METALS, OIL AND GREASE, TEMPERATURE, SALINITY, DISSOLVED OXYGEN GAS, PH, TURBIDITY AND TRANSPARENCY, HARDNESS, TOTAL ALKALINITY, CARBONATE ALKALINITY, SULFATE, TOTAL DISSOLVED SOLIDS, SUSPENDED SOLIDS, TOTAL PHOSPHORUS, DISSOLVED PHOSPHORUS, NITRATE-NITROGEN, NITRITE-NITROGEN, AMMONIA, ORGANIC NITROGEN, MAGNESIUM, CALCIUM AND TOTAL SILICA.

NAME HUDSON HOEN

PHONE NUMBER 302 479 3205

INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT COMPANY

STREET 600 KING STREET

CITY WILMINGTON

STATE DELAWARE

ZIP CODE 19899

FILE NAME DELMARVA ECOLOGICAL SURVEY-FINAL SITE SELECTION

REPORT 30 APRIL 1972 TO 17 APRIL 1973

GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA TIDAL AND RIVER WATERS

ABSTRACT MARINE BIOLOGICAL DATA COLLECTED DURING AN ENVIRONMENTAL STUDY OF FOUR POTENTIAL SITES ON THE DELMARVA PENINSULA FOR NUCLEAR GENERATING STATIONS ARE PRESENTED IN REPORT FORM. THE STUDY WAS CONDUCTED FROM 30 APRIL 1972 TO 17 APRIL 1973. THE FOUR SITES WERE LOCATED IN THE CHESAPEAKE AND DELAWARE CANAL, RED LICK, CDESSA-SMYRNA AND CLAIRBORNE AREAS. DATA CONSISTED OF PHYTOPLANKTON, ZOOPLANKTON AND BENTHOS PARAMETERS AS WELL AS MEASUREMENTS OF TEMPERATURE, DISSOLVED OXYGEN, PH, SALINITY AND TURBIDITY. NUTRIENT SAMPLES FOR TOTAL NITRATE-NITROGEN AND REACTIVE PHOSPHORUS WERE ALSO COLLECTED AT THE CANAL SITE.

NAME DIRECTOR

PHONE NUMBER 302 429 3205

INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT COMPANY

STREET 600 KING STREET

CITY WILMINGTON

STATE DELAWARE

ZIP CODE 19899

FILE NAME DELMARVA ORNITHOLOGY STUDIES

GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELMARVA PENINSULA, DELAWARE, BRANDYWINE CREEK, BOMBAY HOOK WHITE CLAY CREEK, CAPE HENLOPEN

ABSTRACT THIS FILE CONTAINS TAXONOMIC LISTS OF BIRDS AND ORNITHOLOGICAL SURVEY DATA FROM THE DELMARVA PENINSULA AREA PRIMARILY IN 1972 BUT INCLUDING SOME PREVIOUSLY TAKEN DATA AND SOME HISTORICAL REFERENCES. THE DATA, TAKEN IN SURVEY FORM, INCLUDES SPECIES SPECIFIC COUNTS (OWLS) AND SIGHTINGS, GENERAL SIGHTING, TAXONOMIC LISTS OF TOTAL SIGHTINGS, AS WELL AS QUALITATIVE LISTS.

NAME PEGGY JAHN

PHONE NUMBER 302 731 5774

INSTITUTION OR AGENCY DELAWARE ORNITHOLOGICAL SOCIETY

STREET 603 CAMERIDGE DRIVE

CITY NEWARK

STATE DELAWARE

ZIP CODE 19711

FILE NAME DELMARVA PINE BARK BEETLE STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MARYLAND, QUANTICO
 ASTRACT MISSION W068, FLIGHT 01, WAS ACCOMPLISHED ON JUNE
 17, 1971, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE DELMARVA PINE BARK
 BEETLE ASSOCIATION. THE OBJECTIVE OF THE FLIGHT WAS TO MAP AREAS OF PINE BARK
 BEETLE INFESTATION IN THE COX CORNER/CLANTICO/MARDELLA SPRINGS AREA OF
 MARYLANDS EASTERN SHORE.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DELMARVA PINE BARK BEETLE SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, MARYLAND,
 VIRGINIA
 ASTRACT MISSION W064, FLIGHT02, WAS ACCOMPLISHED ON
 SEPTEMBER 15, 1971, UTILIZING THE WOLLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED
 WITH ONE T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE DELMARVA PINE
 BARK BEETLE COUNCIL. THE OBJECTIVE OF THE FLIGHT WAS TO ASSIST FORESTERS OF
 THE DELMARVA PENINSULA IN FOLLOWING THE SPREAD OF THE PINE BARK BEETLE ALONG
 THE EASTERN PORTION OF THE PENINSULA.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DETERMINATION OF EAS 290-H RESIDUES IN MILK AND
 ANIMAL TISSUES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, PARSIPPANY
 ASTRACT STUDY OF BAS 290-H (2-CHLORO-N-(1-SCBUTYNYL)
 ACETANILIDE) RESIDUES AND METABOLITES IN MILK, MUSCLE, LIVER, AND KIDNEY FOR
 LIVESTOCK THAT HAD EATEN FEED PRODUCED FROM BASAMAZED TREATED CROPS. 28
 SAMPLES WERE ANALYZED. DATA INCLUDE SAMPLE TYPE, FERTIFICATION LEVEL AND
 CONCENTRATION OF BAS 290-H IN PARTS PER MILLION.

NAME RONALD J. SCRODATI, DIRECTOR
 PHONE NUMBER 315 341 3635
 INSTITUTION OR AGENCY LAKE ONTARIO ENVIRONMENTAL LABORATORY
 STREET KING HALL, STATE UNIVERSITY COLLEGE AT OSWEGO
 CITY OSWEGO
 STATE NEW YORK
 ZIP CODE 13126

FILE NAME DETERMINATION OF THE SIZE AND DISTRIBUTION OF THE
 ANNUAL LEGAL DEER HARVEST
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ASTRACT NUMBERS OF DEER LEGALLY HARVESTED IN VARIOUS
 HUNTING SEASONS IN THE COUNTIES, TOWNSHIPS, MUNICIPALITIES, AND MANAGEMENT
 ZONES OF NEW JERSEY HAVE BEEN DETERMINED ANNUALLY SINCE THE FALL HUNTING
 SEASONS OF 1960. HARVESTED DEER HAVE BEEN CLASSIFIED ACCORDING TO SEX AND AGE.

NAME PRINCIPAL WILDLIFE BIOLOGIST
 PHONE NUMBER 201 735 8793
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET CLINTON WILDLIFE MANAGEMENT AREA
 CITY HAMPTON
 STATE NEW JERSEY
 ZIP CODE 08827

FILE NAME DETERMINING POPULATION OF SNOWGEESE BY AERIAL
 PHOTOGRAPHY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE BRIGANTINE
 ASTRACT PHOTO AND VISUAL CENSUSES WERE CONDUCTED ON THE
 SAINT LAWRENCE STAGING AREA AND WINTERING GROUNDS TO DETERMINE SNOW GEESE
 POPULATIONS.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1805
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME DEVELOPMENT AT OCEAN CITY HARBOR, BRIGANTINE, NEW
 JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY,
 BRIGANTINE, OCEAN PARCE
 ASTRACT IN JULY 1973 THIS STUDY WAS UNDERTAKEN TO DERIVE AN
 ENVIRONMENTAL DATA BASELINE FROM WHICH AN ASSESSMENT COULD BE MADE FOR
 DEVELOPMENTS AT ST. GEORGE'S THURCFARE AT OCEAN HARBOR, BRIGANTINE, NEW
 JERSEY. MEASUREMENTS WERE TAKEN ON PLANT AND ANIMAL POPULATIONS, METALS,
 PHYSICAL PARAMETERS AND CHEMICAL PARAMETERS OF THE HYDROSPHERE.

NAME JACK MC CERNICK
 PHONE NUMBER 215 647 9000
 INSTITUTION OR AGENCY JACK MC CERNICK AND ASSOCIATES, INC.
 STREET 511 OLD LANCASTER ROAD
 CITY BERYN
 STATE PENNSYLVANIA
 ZIP CODE 19312

FILE NAME DIATOM FLORA ASSOCIATED WITH SALT MARSH POOLS THAT
SUPPORT THE BREEDING OF THE SALT MARSH MOSQUITO Aedes sollicitans IN DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, BOMBAY HOOK, PORT
MAHON
ABSTRACT IDENTIFICATION AND DISTRIBUTION IS REPORTED FOR
COMMON DIATOM SPECIES IN TWO SITES IN DELAWARE MARSHES. TIDAL POOLS IN THE
MARSHES WERE SAMPLED OVER A THREE MONTH PERIOD IN 1967.
NAME INTER-LIBRARY LOAN
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
STREET SOUTH COLLEGE AVENUE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME DIFFERENTIAL PREDATION BY FISHES ON THE SAND
SHRIMP, CRANGON SEPTEMPINOSA
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, DELAWARE
BAY, BRACKILL RIVER
ABSTRACT SPECIMENS OF CRANGON SEPTEMPINOSA WERE COLLECTED
AT VARIOUS DELAWARE BAY SITES ALONG WITH FISH SPECIMENS. STOMACH CONTENT
ANALYSIS OF FISH WAS CARRIED OUT AS WELL AS ANALYSIS OF DRY WEIGHT-MOLT STAGE
RELATIONS OF CRANGON.
NAME INTER-LIBRARY LOAN
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
STREET SOUTH COLLEGE AVENUE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME DIGITIZED PEAKS AND TROUGHES FROM PEN AND INK WAVE
DATA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, ATLANTIC CITY
NEW JERSEY, VIRGINIA BEACH VIRGINIA, MAYS HEAD NORTH CAROLINA, DAYTONA BEACH
FLORIDA, CHESAPEAKE BAY BRIDGE TUNNEL, HOLLEN BEACH NORTH CAROLINA,
WRIGHTSVILLE BEACH NORTH CAROLINA
ABSTRACT DATA INCLUDES DIGITIZED WAVE PEAKS AND TROUGHES FROM
PEN AND INK WAVE RECORDS FOR 7 BEACHES ALONG THE EAST COAST OF THE UNITED
STATES FOR A SHORT PERIOD OF TIME-LESS THAN ONE DAY EACH-DEC 14,15,16 1970,31
DEC 1970, 27 AUG 1971.

NAME MR E. THOMPSON / OCEANOGRAPHY BRANCH
PHONE NUMBER 202 325-7399
INSTITUTION OR AGENCY DEPARTMENT OF THE ARMY, COASTAL ENGINEERING RESEARCH
CENTER
STREET KINGMAN BUILDING
CITY FORT BELVOIR
STATE VIRGINIA
ZIP CODE 22060

FILE NAME DISTRIBUTION AND ABUNDANCE OF FISHES IN 4 MARSH
TYPES OF THE CHOCTAWK RIVER
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND,
COASTAL, CHOCTAWK RIVER
ABSTRACT EXTENSIVE COLLECTION SERIES OF JUVENILE FISHES AND
YOUNGER AGE GROUP FISHES UTILIZING VARIOUS MARSH TYPES IN THE CHOCTAWK RIVER
SYSTEM. LENGTH, WEIGHT, NUMBERS, SPECIES COMPOSITION AND BIOMASS DATA FOR
DESCRIPTION OF FISH COMMUNITY. GROWTH DATA FOR ALBINO JUVENILES AND CALCULATED
GROWTH DATA FOR WHITE PERCH, YELLOW PERCH, AND PUMPKINSEED SUNFISH. BIOLOGICAL
INFORMATION RETRIEVABLE ACROSS ENVIRONMENTAL PARAMETERS FOR ANALYSIS OF
DISTRIBUTION AND ASSOCIATIONS WITHIN COMMUNITY
NAME W. R. CARTER
PHONE NUMBER 301-267-5361
INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
STREET TAXES STATE OFFICE BUILDING
CITY ANNAPOLIS
STATE MARYLAND
ZIP CODE 21401

FILE NAME DISTRIBUTION AND BIOLOGICAL STUDIES OF ANADROMOUS
FISHES OFFSHORE NORTH CAROLINA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., SOUTH CAROLINA TO
VIRGINIA
ABSTRACT A STUDY BETWEEN FEBRUARY 1968 AND JULY 1971 TO
DETERMINE AGE, SIZE, WEIGHT, LENGTH, ABUNDANCE AND DISTRIBUTION OF ANADROMOUS
FISHES IN DEPTHS OF FROM THREE TO THREE-HUNDRED FATHOMS FROM CAPE ROMAIN,
SOUTH CAROLINA TO CAPE CHARLES, VIRGINIA.
NAME B.F. HOLLAND, JR.
PHONE NUMBER 515 726 7021
INSTITUTION OR AGENCY NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC
RESOURCES
STREET DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O.
BOX 745
CITY MOREHEAD CITY
STATE NORTH CAROLINA
ZIP CODE 28557

FILE NAME DISTRIBUTION AND ECOLOGY OF EDAPHIC DIATOMS IN THE
CANARY CREEK SALT MARSH
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, CANARY CREEK
SALT MARSH, COASTAL
ABSTRACT A TOTAL OF 104 SPECIES WERE IDENTIFIED AS BELONGING
TO AT LEAST ONE OF THE FIVE EDAPHIC DIATOM ASSEMBLAGES UNDER INVESTIGATION IN
THE CANARY CREEK SALT MARSH, LEWES, DELAWARE. THE TALL SPARTINA ALTERNIFLORA,
BARE BANK, DWARF SPARTINA ALTERNIFLORA, DISTICHLIS SPICATA, AND PANNE EACH HAD
ITS OWN RECOGNIZABLE DIATOM ORGANIZATION. THESE FLORISTIC ASSEMBLAGES WERE
SEEN TO DIFFER IN THEIR DOMINANT SPECIES, ASSOCIATION OF SPECIES, AND
ENVIRONMENTAL CHARACTERISTICS THROUGHOUT THE YEAR STUDY. THE STUDY AREAS WITH
SPERMATOPHYTE COVER WERE MORE DIVERSE IN TOTAL NUMBER OF DIATOM SPECIES,
PARTICULARLY IN THE WINTER AND EARLY SPRING. OCCURRENCE AT A PARTICULAR STUDY
AREA WAS EASIER TO EXPLAIN THAN PERIODICITY AT THAT STATION. IT IS THOUGHT AT
PRESENT THAT LIGHT, TEMPERATURE, DESICCATION, AND SALINITY PLAY THE DOMINANT
ROLES IN INFLUENCING DIATOM ABUNDANCE AND GROWTH ON THE MARSH. SINCE THESE
DIATOMS ARE AT THE BASE OF THE FOOD WEB IN THE SALT MARSH ECOSYSTEM ALONG WITH
THE GRASSES, IT IS FELT THAT RESEARCH ON BOTH ENTITIES IS IMPERATIVE TO AN
UNDERSTANDING OF THE CONTRIBUTION THAT SALT MARSHES MAKE TO DELAWARE BAY
NAME LIBRARIAN
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE MARINE STATION LIBRARY
CITY LEWES
STATE DELAWARE
ZIP CODE 19958

FILE NAME DISTRIBUTION AND ECOLOGY OF EDAPHIC DIATOMS IN THE
CANARY CREEK SALT MARSH
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY, CANARY
CREEK SALT MARSH
ABSTRACT A TOTAL OF 104 SPECIES WERE IDENTIFIED AS BELONGING
TO AT LEAST ONE OF THE FIVE EDAPHIC DIATOM ASSEMBLAGES UNDER INVESTIGATION IN
THE CANARY CREEK SALT MARSH, LEWES, DELAWARE. THE TALL SPARTINA ALTERNIFLORA,
BARE BANK, DWARF SPARTINA ALTERNIFLORA, DISTICHLIS SPICATA, AND PANNE EACH HAD
ITS OWN RECOGNIZABLE DIATOM ORGANIZATION. THESE FLORISTIC ASSEMBLAGES WERE
SEEN TO DIFFER IN THEIR DOMINANT SPECIES, ASSOCIATION OF SPECIES, AND
ENVIRONMENTAL CHARACTERISTICS THROUGHOUT THE YEAR STUDY. THE STUDY AREAS WITH
SPERMATOPHYTE COVER WERE MORE DIVERSE IN TOTAL NUMBER OF DIATOM SPECIES,
PARTICULARLY IN THE WINTER AND EARLY SPRING. OCCURRENCE AT A PARTICULAR STUDY
AREA WAS EASIER TO EXPLAIN THAN PERIODICITY AT THAT STATION. IT IS THOUGHT AT
PRESENT THAT LIGHT, TEMPERATURE, DESICCATION, AND SALINITY PLAY THE DOMINANT
ROLES IN INFLUENCING DIATOM ABUNDANCE AND GROWTH ON THE MARSH. SINCE THESE
DIATOMS ARE AT THE BASE OF THE FOOD WEB IN THE SALT MARSH ECOSYSTEM ALONG WITH
THE GRASSES, IT IS FELT THAT RESEARCH ON BOTH ENTITIES IS IMPERATIVE TO AN
UNDERSTANDING OF THE CONTRIBUTION THAT SALT MARSHES MAKE TO DELAWARE BAY.
NAME JOHN C. BRYSON
PHONE NUMBER 302 678 4403
INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
ENVIRONMENTAL CONTROL
CITY COVER
STATE DELAWARE
ZIP CODE 19901

FILE NAME DISTRIBUTION OF FREE FATTY ACIDS
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
BAY, CONTINENTAL SHELF, VIRGINIA, JAMES RIVER
ABSTRACT A VIMS THESIS ON THE DISTRIBUTION OF FATTY ACIDS IN
THE LOWER CHESAPEAKE AND GULF FROM THE MOUTH. DATA CONSISTS OF 37 STATIONS OF A
SURFACE FILM SAMPLE AND A SUBSURFACE SAMPLE (2M) EA. ANALYSED BY GAS
CHROMATOGRAPHY C-10 TO C-20.
NAME WILLIAM MACINTYRE
PHONE NUMBER 703-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLOUCESTER POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME DISTRIBUTION OF GRAY SQUIRRELS WITH RESPECT TO
 SPATIAL VARIATION IN FOOD ABUNDANCE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY,
 NEWARK
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 A STUDY CONDUCTED IN A DELAWARE DECIDUOUS WOODLOT DURING 1972 TO DETERMINE THE
 RELATIONSHIP BETWEEN GRAY SQUIRREL DISTRIBUTION AND VARIATIONS IN FOOD
 ABUNDANCE.
 NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME DRAFT ASSESSMENT OF THE POTENTIAL ENVIRONMENTAL
 IMPACT OF THE CONSTRUCTION AND OPERATION OF A NEW JERSEY SPORTS AND EXPOSITION
 COMPLEX AT A SITE IN EAST RUTHERFORD, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, BERGEN COUNTY,
 EAST RUTHERFORD, COASTAL
 ABSTRACT THIS IS A PRELIMINARY ENVIRONMENTAL IMPACT
 STATEMENT CONTAINING SOME DATA AND CONSIDERABLE INTERPRETATION OF POTENTIAL
 ENVIRONMENTAL IMPACT. THE STUDY INCLUDES ASSESSMENTS OF NOISE, CO, NOX, SO₂,
 AND PC POLLUTION ON THE QUALITY OF THE AIR AND WATER NEAR THE PROPOSED
 CONSTRUCTION SITE.
 NAME DR. JAMES A. SCHMID
 PHONE NUMBER 215 647 3110
 INSTITUTION OR AGENCY JACK MCCORMICK AND ASSOCIATES
 STREET 660 WATERLOO RD.
 CITY DEVEN
 STATE PENNSYLVANIA
 ZIP CODE 19333

FILE NAME WRECCO SPECIL EVALUATIONS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL; NEW JERSEY, COASTAL
 CITY, COWFENS ISLAND
 ABSTRACT A VEGETATION COVER TYPE MAP IS PRESENTED ALONG WITH
 IDENTIFICATION OF SPECIL AREAS AND HEIGHTS. POPULATION ESTIMATION OF SEVEN
 SPECIES OF BIRDS IS GIVEN IN PREPARATION FOR DETERMINING NESTING DENSITY OF
 WADING BIRDS AND POSSIBLE FUTURE INCREASE OF SIZE OF NESTING AREA.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1805
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME DUCK FARM DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 EASTERN LONG ISLAND
 ABSTRACT 25 DUCK FARMS LOCATED ALONG THE EASTERN SECTION OF
 LONG ISLAND WERE SAMPLED FROM DECEMBER 1969 TO THE PRESENT FOR BIOCHEMICAL
 OXYGEN DEMAND, PH, PARTICULATE MATTER, AND COUNT AND SPECIES DETERMINATION OF
 MICROBIALIA.
 NAME RICHARD E. STRZEPEK
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL,
 ENFORCEMENT SECTION
 STREET 1324 MOTOR PARKWAY
 CITY HAUPPAUGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME DUPONT OCEAN DISPOSAL
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE, NEW
 JERSEY
 ABSTRACT THIS FILE CONTAINS THE DATA COLLECTED OVER A 25
 MONTH PERIOD, OCTOBER 3, 1972 TO NOVEMBER 19, 1974, DURING 23 CRUISES IN AND
 AROUND THE DUPONT WASTE DISPOSAL AREA LOCATED 62.5 KILOMETERS FROM THE
 DELAWARE COAST AND 73.2 KILOMETERS FROM THE MOUTH OF DELAWARE BAY AT CAPE
 HENLOPEN. THE STUDY INCLUDES DATA FROM THE COLLECTION OF PHYTOPLANKTON,
 ZOOPLANKTON, FISH, SAND DOLLARS AS WELL AS FAIRLY COMPLETE PHYSICAL/CHEMICAL
 ANALYSES OF THE WATER IN THE SAMPLING AREA. TRACE METAL ANALYSES WERE
 PERFORMED ON BOTTOM SEDIMENT SAMPLES AND A ECTYOM CURRENT STUDY WAS PERFORMED
 USING SEA BEE DRIFTERS, STATION NUMBERS, LOCATION, AND FREQUENCIES VARIED OVER
 THE SAMPLING PERIOD WITHIN THE GENERAL DISPOSAL AREA GRID OF 40 X 35 MILES
 NAME THOMAS MYERS
 PHONE NUMBER 215 692 3030
 INSTITUTION OR AGENCY ROY F. WESTON, INC.
 STREET LIFE SYSTEMS
 CITY WEST CHESTER
 STATE PENNSYLVANIA
 ZIP CODE 19380

FILE NAME DUTCH ELM DISEASE STUDY-VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., VIRGINIA, SAXIS ISLAND,
 WASHINGTON D.C.
 ABSTRACT MISSION W269, FLIGHT 01, WAS ACCOMPLISHED ON MAY
 20, 1974, UTILIZING THE WOLLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH AN
 I2S "8" MULTISPECTRAL CAMERA AND A T-11 AERIAL MAPPING CAMERA, IN COOPERATION
 WITH THE NATIONAL CAPITAL PARK SERVICE. THIS FLIGHT IS A CONTINUATION OF A
 DUTCH ELM DISEASE STUDY IN WHICH DISEASED TREES ARE STUDIED THROUGHOUT THIS
 PERIOD OF INFESTATION.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DYNAMIC BASIN CHARACTERISTICS STUDY-SOWBRIDGE
 RIVER, DELAWARE AND BEAVER DAM RIVER, MARYLAND
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 MARYLAND, BEAVER DAM BRANCH, DELAWARE, SCHERIDGE BRANCH
 ABSTRACT MISSION W180, FLT. 1, WITH WOLLOPS STA. C-54
 AIRCRAFT EQUIPPED WITH T-11 AND AN I2S CAMERA SYSTEM ON NOV 16, 1972, IN
 COOPERATION WITH THE GEOLOGICAL SURVEY OF THE DEPT OF INTERIOR. THE FLIGHT
 MADE OVER SCHERIDGE AND BEAVER DAM RIVERS IN DEL. AND MD. OBJECTIVE - TO EXPOSE
 ANY DYNAMIC BASIN CHARACTERISTIC CHANGES THAT HAVE TAKEN PLACE SINCE THE LAST
 PHOTO MISSION OF OCT. 25, 1972. GOOD WEATHER WITH THIN OVERCAST, VISIBILITY
 5-6 MILES, AIR TEMP. 8 DEG C AT 5000 FT. AND 2 DEG C AT 10,000 FT., MSL WIND
 OF 20 KNOTS FROM 130 DEG.

NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DYNAMIC BASIN CHARACTERISTICS STUDY-SOW BRIDGE
 RIVER, DELAWARE AND BEAVER DAM RIVER, MARYLAND
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY,
 DELAWARE, SCHERIDGE RIVER, CHESAPEAKE BAY, MARYLAND, BEAVER DAM RIVER
 ABSTRACT MISSION W164, FLT. 1 WITH WOLLOPS STATION C-54
 AIRCRAFT EQUIPPED WITH T-11 AND I2S CAMERA SYSTEMS ON OCTOBER 26, 1972, IN
 COOPERATION WITH U. S. GEOLOGICAL SURVEY OF DEPT. OF INTERIOR. FLIGHT MADE
 OVER SCHERIDGE AND BEAVER DAM RIVERS IN DEL. AND MD. OBJECTIVE - TO COMPILE A
 BASE LINE STUDY OF EACH RIVER BASINS FOR USE IN OBSERVING DYNAMIC BASIN
 CHARACTERISTICS FROM ERTS IMAGERY. FLIGHT IN CLEAR WEATHER, VISIBILITY 7-10
 MILES, AIR TEMP. 10 DEG. C AT 5000 FT., MSL WITH WIND OF 5 KNOTS FROM 210 DEG.

NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-SOWBRIDGE
 RIVER, DELAWARE AND BEAVER DAM RIVER, MARYLAND
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 MARYLAND, BEAVER DAM RIVER; DELAWARE BAY, DELAWARE, SCHERIDGE RIVER
 ABSTRACT MISSION W237, FLT. 1, JULY 25, 1973, WITH WOLLOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S
 MULTISPECTRAL CAMERA SYSTEM IN COOPERATION WITH WATER RESOURCES DIV. OF U. S.
 GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN MULTISPECTRAL IMAGERY OF SCHERIDGE
 AND BEAVER DAM RIVERS PERIODICALLY FOR USE IN COMPILING A HISTORY OF DRAINAGE
 BASIN DYNAMICS OF EACH OF THE RIVERS. FLIGHT MADE IN HAZE WEATHER WITH SOME
 SCATTERED AND BROKEN CLOUDS, AIR TEMP. 14 DEG. C AT 5500 FT., 8 DEG. C AT 9500
 FT., MSL WITH WIND OF 10-15 KNOTS FROM 225 DEG.

NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-SOWBRIDGE
 RIVER, DELAWARE AND BEAVER DAM RIVER, MARYLAND
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, MARYLAND, EASTON,
 DELAWARE, ELLENDALE
 ABSTRACT MISSION W152, FLIGHT 1, APRIL 9, 1973, WITH WALLCPS
 STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA
 SYSTEM IN COOPERATION WITH WATER RESOURCES DIV. OF U. S. GEOLOGICAL SURVEY.
 OBJECTIAL SCANNER WAVE-LENGTH BANDS OF VEGETATION AND DRAINAGE CHARACTERISTICS
 OF SOWBRIDGE AND BEAVERDAM RIVER BASINS DURING EARLY SPRING. WEATHER - HAZY
 WITH LOW AND HIGH SCATTERED CLOUDS, AIR TEMP. 2 DEG. C AT 5500 FT., MSL WITH
 WIND OF 12 KNOTS FROM CSC DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-SOWBRIDGE
 RIVERS, DELAWARE AND BEAVER DAM RIVER, MARYLAND
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, MARYLAND, EASTON,
 DELAWARE ELLENDALE
 ABSTRACT MISSION W208, FLI. 1, MAY 7, 1973, WITH WALLCPS
 STATION HELICOPTER EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA
 SYSTEM IN COOPERATION WITH WATER RES. DIV. OF U. S. GEOLOGICAL SURVEY.
 OBJECTIVE - TO OBTAIN IMAGERY OF EMERGENT LEAF AND PLANT ACTIVITY IN SOWBRIDGE
 AND BEAVER DAM RIVER BASINS. WEATHER - CLEAR, WITH MCL. HAZE, AIR TEMP. -3
 DEG. AT 5500 FT., MSL WITH WIND AT 15 KNOTS FROM 33 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-MARYLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MARYLAND, DELAWARE
 ABSTRACT MISSION W251, FLIGHT 01, WAS ACCOMPLISHED ON
 OCTOBER 16, 1973, UTILIZING THE WALLCPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED
 WITH A T-11 AERIAL MAPPING CAMERA AND I2S MULTISPECTRAL CAMERA SYSTEM. THE
 FLIGHT WAS MADE IN COOPERATION WITH THE WATER RESOURCE DIVISION OF THE U.S.
 GEOLOGICAL SURVEY. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN MULTISPECTRAL
 IMAGERY OF THE RIVER BASIN DURING EARLY AUTUMN FOR USE IN STUDYING AND
 DEFINING RIVER BASIN DYNAMICS.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME DYNAMICS OF FALL AND WINTER POPULATIONS OF FUNDULUS
 HETEROCLOTUS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, TUCKERTON
 ABSTRACT FUNDULUS HETEROCLOTUS, THE MUMMICHOG OR SALT MARSH
 KILLIFISH, IS STUDIED IN TERMS OF ITS LIFE HISTORY AND BEHAVIORAL BIOLOGY.
 THIS STUDY MONITORS POPULATION SIZE CHANGES THROUGH FALL AND EARLY WINTER, AND
 INVESTIGATES DISPERSAL AND MOBILITY OF THE FISH.
 NAME REFERENCE LIBRARIAN
 PHONE NUMBER 201 732 1766
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME EAST SHINNECOCK DIURNAL DATA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG
 ISLAND, EAST SHINNECOCK BAY
 ABSTRACT DATA WAS PRODUCED DURING A 24 HOUR PERIOD BY
 STUDENTS MAJORING IN MARINE SCIENCE AT SOUTHAMPTON COLLEGE. AT THAT TIME 4
 STATIONS WERE SAMPLED, AND THE FOLLOWING PARAMETERS WERE MEASURED:
 TEMPERATURE, SALINITY, NITRATE, NITRITE, PHOSPHATE, DISSOLVED OXYGEN GAS,
 CLOUD COVER, WIND VELOCITY, AND WIND DIRECTION.
 NAME J. F. WELKEF
 PHONE NUMBER 516 283 4000
 INSTITUTION OR AGENCY SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER
 STREET TUCKAHOE ROAD
 CITY SOUTHAMPTON
 STATE NEW YORK
 ZIP CODE 11966

FILE NAME EAST SHINNECOCK NEW DATA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG ISLAND, EAST SHINNECOCK BAY
 ABSTRACT EAST SHINNECOCK BAY NEAR SOUTHAMPTON, LONG ISLAND, NEW YORK WAS SAMPLED BY STUDENTS ENROLLED IN MARINE SCIENCE AT SOUTHAMPTON COLLEGE. THE PARAMETERS MEASURED INCLUDE PHOSPHATE, NITRATE AND NITRITE.
 NAME J. R. WELMEF
 PHONE NUMBER 516 283 4000
 INSTITUTION OR AGENCY SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER
 STREET TUCKAHOE ROAD
 CITY SOUTHAMPTON
 STATE NEW YORK
 ZIP CODE 11968

FILE NAME EASTERN HARDWOOD TREE DATA AND PRODUCT YIELDS-NORTH CAROLINA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTH CAROLINA
 ABSTRACT THE HEIGHT, DBH, SHAPE, VOLUME, AND AGE OF ELEVEN SPECIES OF EASTERN HARDWOOD TREES ARE MEASURED IN THIS ONGOING NORTH CAROLINA STUDY.
 NAME ROBERT ERISBIN
 PHONE NUMBER 614 369 4471
 INSTITUTION OR AGENCY NORTHEAST FOREST EXPERIMENTAL STATION U.S. FOREST SERVICE
 STREET POST OFFICE BOX 365
 CITY DELAWARE
 STATE CHIC
 ZIP CODE 43015

FILE NAME EASTERN HARDWOOD TREE DATA AND PRODUCT YIELDS-VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., VIRGINIA
 ABSTRACT THE HEIGHT, DBH, SHAPE, VOLUME, AND AGE OF ELEVEN SPECIES OF EASTERN HARDWOOD TREES ARE MEASURED IN THIS ONGOING VIRGINIA STUDY.
 NAME ROBERT ERISBIN
 PHONE NUMBER 614 369 4471
 INSTITUTION OR AGENCY NORTHEAST FOREST EXPERIMENTAL STATION U.S. FOREST SERVICE
 STREET POST OFFICE BOX 365
 CITY DELAWARE
 STATE CHIC
 ZIP CODE 43015

FILE NAME EASTERN HARDWOOD TREE DATA AND PRODUCT YIELDS-PENNSYLVANIA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA
 ABSTRACT THE HEIGHT, DBH, SHAPE, VOLUME, AND AGE OF ELEVEN SPECIES OF EASTERN HARDWOOD TREES ARE MEASURED IN THIS ONGOING PENNSYLVANIA STUDY.
 NAME ROBERT BRISBIN
 PHONE NUMBER 614 369 4471
 INSTITUTION OR AGENCY NORTHEAST FOREST EXPERIMENTAL STATION U.S. FOREST SERVICE
 STREET POST OFFICE BOX 365
 CITY DELAWARE
 STATE CHIC
 ZIP CODE 43015

FILE NAME EASTERN HARDWOOD TREE DATA AND PRODUCT YIELDS-NEW YORK
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK
 ABSTRACT THE HEIGHT, DBH, SHAPE, VOLUME, AND AGE OF ELEVEN SPECIES OF EASTERN HARDWOOD TREES ARE MEASURED IN THIS ONGOING NEW YORK STUDY.
 NAME ROBERT ERISBIN
 PHONE NUMBER 614 369 4471
 INSTITUTION OR AGENCY NORTHEAST FOREST EXPERIMENTAL STATION U.S. FOREST SERVICE
 STREET POST OFFICE BOX 365
 CITY DELAWARE
 STATE CHIC
 ZIP CODE 43015

FILE NAME EASTERN LONG ISLAND SOUND-SUSPENDED SEDIMENTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., CONNECTICUT, NEW HAVEN, LONG ISLAND SOUND, FISHERS ISLAND SOUND
 ABSTRACT A 2-YEAR STUDY OF MONTHLY OBSERVATIONS OF SUSPENDED MATERIALS AT A NETWORK OF 11 STATIONS IN EASTERN LONG ISLAND SOUND WAS CONDUCTED. WATER SAMPLES WERE ANALYSED FOR TEMPERATURE, SALINITY, DISSOLVED OXYGEN, AND BIOLOGICAL OXYGEN DEMAND, AS WELL AS FOR CONCENTRATION OF SUSPENDED MATERIALS. WIND STRESS AND RIVER DISCHARGE OF THE CONNECTICUT RIVER WERE OBTAINED FROM OTHER SOURCES.
 NAME DR. FRANK ECHLEN
 PHONE NUMBER 203 446 1020
 INSTITUTION OR AGENCY MARINE SCIENCES INSTITUTE, UNIVERSITY OF CONNECTICUT
 STREET AVERY POINT
 CITY GROTON
 STATE CONNECTICUT
 ZIP CODE 06340

FILE NAME EASTWARD CRUISE NO. E-CA-74
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, MID-ATLANTIC,
 NORTH CAROLINA, DELAWARE

ABSTRACT THIS CRUISE REPORT INCLUDES OCEANOGRAPHIC DATA
 TAKEN AT 40 STATIONS ALONG A 600 MILE CRUISE TRACK RUNNING ROUGHLY NE FROM
 BEAUFORT, NORTH CAROLINA ACROSS THE GULF STREAM, NW TO THE MOUTH OF THE
 CHESAPEAKE BAY, NE OUT TO THE GULF STREAM, AND NW INTO CAPE HENLOPEN, AT THE
 MOUTH OF DELAWARE BAY. DATA TAKEN INCLUDES SURFACE AND PROFILE SALINITY,
 TEMPERATURE, DISSOLVED OXYGEN, DISSOLVED ORGANIC CARBON, PARTICULATE ORGANIC
 CARBON, NITRATE, NITRITE, TOTAL REACTIVE PHOSPHATE, TOTAL SILICATE,
 CHLOROPHYLL A, CHLOROPHYLL B, PHAEOPHYTON PIGMENT, PARTICULATE CHITIN,
 CHITINOLYTIC BACTERIA, AND PARTICULATE LIGHT SCATTERING INFORMATION. IN
 ADDITION FOR WATER MASS TRACING, SURFACE AND PROFILE CS-137 AND RADIUM-228
 USED BULK WATER SAMPLE TECHNIQUES AND SPECIAL CAST SAMPLER TECHNIQUE (CS-137).
 REGULAR WIND, WAVE, AND METEOROLOGICAL OBSERVATION WERE ALSO TAKEN.

NAME STUART KLPEERMAN
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET COLLEGE OF MARINE STUDIES
 CITY NEWARK
 STATE DELA
 ZIP CODE 19711

FILE NAME EASTWARD CRUISE NO. E-15E-72
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, MID-ATLANTIC,
 DELAWARE, NORTH CAROLINA

ABSTRACT THIS STUDY INCLUDES DATA TAKEN AT 14 OCEANOGRAPHIC
 STATIONS ALONG A 600 MILE CRUISE TRACK RUNNING ROUGHLY SE FROM DELAWARE BAY,
 CAPE HENLOPEN TO THE SARGASSO SEA JUST BEYOND THE GULF STREAM AND THEN NW FROM
 THE SARGASSO SEA TO A POINT CLOSE TO THE MOUTH OF THE CHESAPEAKE BAY AND INTO
 BEAUFORT NORTH CAROLINA. DATA TAKEN INCLUDES SURFACE AND PROFILE SALINITY,
 TEMPERATURE, NITRATE, NITRITE, PHOSPHATE, SILICATE, CHLOROPHYLL A,
 PHAEOPHYTIN, CS-137, RADIUM-228, RADIUM-226, THORIUM-230, LEAD-210,
 POLONIUM-210, PARTICULATE AND DISSOLVED MERCURY AS WELL AS REGULAR WIND, WAVE
 AND METEOROLOGICAL OBSERVATIONS.

NAME STUART KUFFERMAN
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET COLLEGE OF MARINE STUDIES
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME ECHO SOUNDING RECORDS AT THE MOUTH OF THE
 CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY
 MOUTH, VIRGINIA

ABSTRACT ECHO SOUNDING SURVEY TO MEASURE MIGRATION RATES OF
 SAND WAVES ON THE OCEAN FLOOR AT THE ENTRANCE TO CHESAPEAKE BAY.

NAME JOHN LUDWICK
 PHONE NUMBER 703-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME ECOLOGICAL AND TAXONOMIC STUDIES OF THRIPS
 ASSOCIATED WITH ASPARAGUS IN NEW JERSEY

GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, MULLICA HILL
 ABSTRACT THIS PAPER INVESTIGATES SEASONAL ACTIVITIES OF
 THRIPS ESPECIALLY DURING HARVEST SEASON. ALTITUDE TENDENCIES OF THRIPS FLIGHT
 ACTIVITY WERE DETERMINED. SPECIES COMPOSITION THROUGHOUT THE GROWING SEASON
 AND ACTIVITY CORRELATED WITH WEATHER TRENDS WERE ALSO INVESTIGATED.

NAME REFERENCE LIBRARIAN
 PHONE NUMBER 201 732 1766
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME ECOLOGICAL CONSIDERATIONS FOR OCEAN SITES OFF NEW
 JERSEY FOR PROPOSED NUCLEAR GENERATING STATIONS, VOLUME ONE, PART ONE,
 ECOLOGICAL STUDIES IN THE VICINITY OF OCEAN SITES 7 AND 8

GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY
 ABSTRACT AN ECOLOGICAL STUDY OF THE MARINE ENVIRONMENT OF
 THE CENTRAL NEW JERSEY COASTLINE IN THE VICINITY OF THE PROPOSED OFFSHORE
 ATLANTIC GENERATING STATION WAS CONDUCTED DURING SEPTEMBER THROUGH NOVEMBER
 1971. POPULATIONS AND DISTRIBUTIONS OF FISH, BENTHIC INVERTEBRATES, AND
 PLANKTON WERE INVESTIGATED. LENGTH AND WEIGHT FREQUENCY DISTRIBUTIONS OF
 SPECIES OF FISH WERE DETERMINED. INTERVIEWS WITH COMMERCIAL AND SPORT FISH AND
 SHELL FISHERMEN PROVIDED INFORMATION ON LOCAL FISHERIES FROM JANUARY 1970
 THROUGH NOVEMBER 1971.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME ECLOGICAL DISTRIBUTION OF SALT MARSH TABANIDS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, LITTLE
 CREEK MARSH
 ABSTRACT SALT MARSH TABANIDS WERE COLLECTED HOURLY EACH DAY
 FROM JULY TO SEPTEMBER 1968 THROUGH 1974 FROM LITTLE CREEK DELAWARE. POSSIBLE
 CONTROLLING ECLOGICAL PARAMETERS SUCH AS SKY, WIND DIRECTION AND SPEED,
 TEMPERATURE AND RELATIVE HUMIDITY WERE ALSO MEASURED THIS STUDY WAS DESIGNED
 TO GATHER BASE INFORMATION FOR DESIGNING OF CONTROL METHODS.
 NAME PAUL CATTS
 PHONE NUMBER 302 738 2526
 INSTITUTION OR AGENCY DEPT. OF ENTOMOLOGY AND APPLIED ECLOGY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME ECLOGICAL DISTRIBUTION OF SALT MARSH TABANIDS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, LITTLE
 CREEK MARSH
 ABSTRACT SALT MARSH TABANIDS WERE COLLECTED HOURLY EACH DAY
 FROM JULY TO SEPTEMBER 1968 THROUGH 1974 FROM LITTLE CREEK DELAWARE. POSSIBLE
 CONTROLLING ECLOGICAL PARAMETERS SUCH AS SKY, WIND DIRECTION AND SPEED,
 TEMPERATURE AND RELATIVE HUMIDITY WERE ALSO MEASURED. THIS STUDY WAS DESIGNED
 TO GATHER BASE INFORMATION FOR DESIGNING OF CONTROL METHODS.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL
 CONTROL
 CITY DEVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ECLOGICAL EFFECTS UPON ESTUARIES RESULTING FROM
 LAGOON CONSTRUCTION, DREDGING, FILLING, AND BULKHEADING
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, INDIAN
 RIVER BAY, REHOBOTH BAY, LITTLE ASSAWOMAN BAY
 ABSTRACT THIS STUDY INCLUDES SEASONALLY TAKEN DATA ON
 VARIOUS NATURAL AREAS AND LAGOON SYSTEMS LOCATED IN THE LITTLE BAYS OF
 SOUTHERN DELAWARE FOR THE TIME PERIOD JUNE 1973 TO MAY 1974, THE AREAS IN
 QUESTION WERE EXAMINED FOR SELECTED ASPECTS OF WATER CHEMISTRY, FLUSHING
 CHARACTERISTICS, FISH SPECIES, COLIFORM BACTERIA COUNTS, BOD LEVELS, COUNTS OF
 BENTHIC AND PELAGIC ANIMALS, AND SPECIATION IN BOTH BENTHIC AND PELAGIC
 COMMUNITIES.
 NAME DR. FRANKLIN C. DAIBER
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME ECLOGICAL EFFECTS UPON ESTUARIES 1974-75
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE,
 LITTLE ASSAWOMAN BAY, REHOBOTH BAY, INDIAN RIVER BAY
 ABSTRACT THIS FILE CONTAINS THE DATA GENERATED FROM A STATE
 OF DELAWARE PROJECT TO ASSESS THE ECLOGICAL EFFECTS UPON THE "SMALL BAYS"
 ESTUARY SYSTEMS RESULTING FROM CONTINUED DREDGING AND FILLING OPERATIONS IN
 THE AREA AROUND LITTLE ASSAWOMAN, REHOBOTH, AND INDIAN RIVER BAYS. THE DATA
 TAKEN ON A SEASONAL BASIS FROM FALL 1974 UNTIL SUMMER 1975, INCLUDES SALINITY,
 TEMPERATURE, FISH AND BENTHIC SPECIES DISTRIBUTIONS AND COUNTS, AND DISSOLVED
 OXYGEN INFORMATION FROM SOME 32 STATIONS IN AND ALONG THE BAYS, LAGOONS, AND
 TICAL CREEKS IN THE TEST AREA. SOME SEDIMENT ANALYSES WERE ALSO PERFORMED.
 NAME FRANKLIN C. DAIBER
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET COLLEGE OF MARINE STUDIES
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME ECLOGICAL STUDIES IN THE BAYS AND OTHER WATERWAYS
NEAR LITTLE EGG INLET AND IN THE OCEAN IN THE VICINITY OF THE PROPOSED SITE
FOR THE ATLANTIC GENERATING STATION, NEW JERSEY, PART ONE AND PART TWO

GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY

ABSTRACT AN ECOLOGICAL STUDY OF THE TERRESTRIAL AND MARINE
ENVIRONMENT OF THE CENTRAL NEW JERSEY COASTLINE IN THE VICINITY OF THE
PROPOSED OFFSHORE ATLANTIC GENERATING STATION WAS CONDUCTED DURING JANUARY
1972 THROUGH MARCH 1973. SEASONAL POPULATIONS AND DISTRIBUTIONS OF MAMMALS,
BIRDS, REPTILES, AMPHIBIANS, LAND PLANTS, PELAGIC AND DEMERSAL FISH,
ICHTHYOPLANKTON, ZOOPLANKTON, PHYTOPLANKTON, AND BENTHIC ANIMALS WERE
DETERMINED. MEASUREMENTS OF WATER TEMPERATURE, SALINITY, DISSOLVED OXYGEN
CONCENTRATION, AND SECCHI DEPTH WERE TAKEN WITH ALL SAMPLES OF MARINE
ORGANISMS.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME ECLOGICAL STUDIES IN THE BAYS AND OTHER WATERWAYS
NEAR LITTLE EGG INLET AND IN THE OCEAN IN THE VICINITY OF THE PROPOSED SITE
FOR THE ATLANTIC GENERATING STATION, NEW JERSEY; VOLUME ONE-FISHES AND
EXPERIMENTAL STUDIES. PROGRESS REPORT FOR THE PERIOD JANUARY-DECEMBER 1974

GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
LITTLE EGG INLET

ABSTRACT AN ECOLOGICAL STUDY OF THE SPATIAL AND TEMPORAL
POPULATIONS AND DISTRIBUTIONS OF THE FISHES AND THE ICHTHYOPLANKTON IN THE
BAYS AND OTHER WATERWAYS NEAR LITTLE EGG INLET AND IN THE OCEAN IN THE
VICINITY OF THE PROPOSED SITE FOR THE ATLANTIC GENERATING STATION, NEW JERSEY
WAS CONDUCTED FROM JANUARY THROUGH NOVEMBER 1974. LENGTH-FREQUENCY
DISTRIBUTIONS OF 12 SPECIES OF FISHES WERE DETERMINED ON A MONTHLY BASIS.
MEASURED PARAMETERS OF WATER QUALITY INCLUDED TEMPERATURE, SALINITY, AND
DISSOLVED OXYGEN GAS.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME ECLOGICAL STUDIES IN THE BAYS AND OTHER WATERWAYS
NEAR LITTLE EGG INLET AND IN THE OCEAN IN THE VICINITY OF THE PROPOSED SITE
FOR THE ATLANTIC GENERATING STATION, NEW JERSEY; VOLUME TWO-EPIFAUNA, MARINE
ALGAE, BENTHIC INVERTEBRATES, PHYTOPLANKTON, AND ZOOPLANKTON. PROGRESS REPORT
FOR THE PERIOD JANUARY-DECEMBER 1974

GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
LITTLE EGG INLET

ABSTRACT AN ECOLOGICAL STUDY OF THE SPATIAL AND TEMPORAL
POPULATIONS AND DISTRIBUTIONS OF THE EPIFAUNA, THE MARINE ALGAE, THE BENTHIC
INVERTEBRATES, THE PHYTOPLANKTON, AND THE ZOOPLANKTON IN THE BAYS AND OTHER
WATERWAYS NEAR LITTLE EGG INLET AND IN THE OCEAN IN THE VICINITY OF THE
PROPOSED SITE FOR THE ATLANTIC GENERATING STATION, NEW JERSEY WAS CONDUCTED
FROM JANUARY THROUGH DECEMBER 1974. MEASURED PARAMETERS OF WATER QUALITY
INCLUDED TEMPERATURE, SALINITY, AND DISSOLVED OXYGEN GAS.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME ECLOGICAL STUDIES IN THE BAYS AND OTHER WATERWAYS
NEAR LITTLE EGG INLET AND IN THE OCEAN IN THE VICINITY OF THE PROPOSED SITE
FOR THE ATLANTIC GENERATING STATION, NEW JERSEY; VOLUME ONE-FISHES. PROGRESS
REPORT FOR THE PERIOD JANUARY-DECEMBER 1973

GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY

ABSTRACT AN ECOLOGICAL STUDY OF THE OCEAN OFF THE COAST OF
NEW JERSEY IN THE VICINITY OF THE PROPOSED SITE OF THE ATLANTIC GENERATING
STATION AND OF THE BAYS AND WATERWAYS NEAR LITTLE EGG INLET WAS CONDUCTED FROM
JANUARY THROUGH DECEMBER 1973. POPULATIONS AND DISTRIBUTIONS OF ADULT FISHES
AND ICHTHYOPLANKTON WERE MONITORED. MEASURED PARAMETERS OF WATER QUALITY
INCLUDED SALINITY, TEMPERATURE, DISSOLVED OXYGEN, AND SECCHI DEPTH.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME ECLOGICAL STUDIES IN THE BAYS AND OTHER WATERWAYS
NEAR LITTLE EGG INLET AND IN THE OCEAN IN THE VICINITY OF THE PROPOSED SITE
FOR THE ATLANTIC GENERATING STATION, NEW JERSEY; VOLUME TWO-EPIFAUNA, MARINE
ALGAE, AND BENTHIC INVERTEBRATES. PROGRESS REPORT FOR THE PERIOD
JANUARY-DECEMBER 1973

GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY
ABSTRACT AN ECLOGICAL STUDY OF THE OCEAN OFF THE COAST OF
NEW JERSEY IN THE VICINITY OF THE PROPOSED SITE OF THE ATLANTIC GENERATING
STATION AND OF THE BAYS AND WATERWAYS NEAR LITTLE EGG INLET WAS CONDUCTED FROM
JANUARY THROUGH DECEMBER 1973. POPULATIONS AND DISTRIBUTIONS OF EPIFAUNA,
MARINE ALGAE AND BENTHIC INVERTEBRATES WERE MONITORED. LENGTH-FREQUENCY
DISTRIBUTIONS OF THE ATLANTIC SURF CLAM, ROCK CRAB, AND BLUE CRAB WERE
DETERMINED. MEASURED PARAMETERS OF WATER QUALITY INCLUDED SALINITY,
TEMPERATURE, DISSOLVED OXYGEN, AND SECCHI DEPTH.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME ECLOGICAL STUDIES IN THE BAYS AND OTHER WATERWAYS
NEAR LITTLE EGG INLET AND IN THE OCEAN IN THE VICINITY OF THE PROPOSED SITE
FOR THE ATLANTIC GENERATING STATION, NEW JERSEY; VOLUME THREE-PROTOPLANKTON
AND PERIPHYTON, ZOOPLANKTON, AND TERRESTRIAL STUDY. PROGRESS REPORT FOR THE
PERIOD JANUARY-DECEMBER 1973

GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY;
NORTH AMERICA, U.S., NEW JERSEY, OCEAN COUNTY

ABSTRACT AN ECLOGICAL STUDY OF THE OCEAN OFF THE COAST OF
NEW JERSEY IN THE VICINITY OF THE PROPOSED SITE OF THE ATLANTIC GENERATING
STATION AND OF THE BAYS, WATERWAYS AND LAND NEAR LITTLE EGG INLET WAS
CONDUCTED FROM MAY 1972 THROUGH MARCH 1974. POPULATIONS AND DISTRIBUTIONS OF
PHYTOPLANKTON, PERIPHYTON, ZOOPLANKTON, AND TERRESTRIAL VEGETATION AND
WILDLIFE WERE MONITORED. MEASURED PARAMETERS OF WATER QUALITY INCLUDED
SALINITY, TEMPERATURE, DISSOLVED OXYGEN, SECCHI DEPTH, NITRATE PLUS NITRITE,
SILICATE, AND ORTHOPHOSPHATE.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME ECLOGICAL STUDIES IN THE BAYS AND OTHER WATERWAYS
NEAR LITTLE EGG INLET AND IN THE OCEAN IN THE VICINITY OF THE PROPOSED SITE
FOR THE ATLANTIC GENERATING STATION, NEW JERSEY; VOLUME THREE, A QUANTITATIVE
STUDY OF THE VEGETATION NEAR THE GREAT BAY BOULEVARD, TUCKERTON, NEW JERSEY,
PROGRESS REPORT FOR THE PERIOD JANUARY-DECEMBER 1974

GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, OCEAN COUNTY
ABSTRACT A STUDY OF THE FLORA AND VEGETATION WITHIN THE
100-FOOT RIGHT-OF-WAY OF GREAT BAY BOULEVARD, LITTLE EGG HARBOR TOWNSHIP, NEW
JERSEY WAS CONDUCTED FROM JULY THROUGH OCTOBER 1974 TO ASSESS EFFECTS OF THE
TRANSMISSION CORRIDOR FOR THE PROPOSED OFFSHORE ATLANTIC GENERATING STATION.
MEASURED PARAMETERS INCLUDED DISTRIBUTION, DENSITY, AND CANOPY COVER OF PLANT
SPECIES, AGES OF SPECIFIED TREES AND SHRUBS, AND ORGANIC CONTENT AND PARTICLE
SIZE OF SOILS.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME ECLOGICAL STUDIES IN THE BAYS AND OTHER WATERWAYS
NEAR LITTLE EGG INLET AND IN THE OCEAN IN THE VICINITY OF THE PROPOSED SITE
FOR THE ATLANTIC GENERATING STATION, NEW JERSEY, PROGRESS REPORT FOR THE
PERIOD JANUARY-DECEMBER 1975

GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY
ABSTRACT AN ECLOGICAL STUDY OF THE OCEAN OFF THE COAST OF

NEW JERSEY IN THE VICINITY OF THE PROPOSED SITE OF THE ATLANTIC GENERATING
STATION AND OF THE BAYS, MULlica RIVER, AND WATERWAYS FROM MANAHAWKEN
CAUSEWAY, LONG BEACH ISLAND, TO ATLANTIC CITY, NEW JERSEY WAS CONDUCTED FROM
JANUARY TO DECEMBER 1975. POPULATIONS AND DISTRIBUTIONS OF JUVENILE AND ADULT
FISH, ICTHYOPLANKTON, ZOOPLANKTON, AND BENTHIC ORGANISMS WERE MONITORED
REGULARLY. MEASURED PARAMETERS OF WATER QUALITY INCLUDED TEMPERATURE,
SALINITY, DISSOLVED OXYGEN, AND SECCHI DEPTH.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME ECCOLOGICAL STUDIES IN THE VICINITY OF THE PROPOSED
 SUMMIT POWER STATION FISHES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, CHESAPEAKE
 AND DELAWARE CANAL
 ABSTRACT WEEKLY SEINE, TRAWL, GILLNET, ANGLING AND CREEL
 CENSUS SAMPLES WERE TAKEN IN THE CHESAPEAKE AND DELAWARE CANAL FROM JANUARY
 1973 TO DECEMBER 1973. THIS STUDY WAS CARRIED OUT IN CONJUNCTION WITH AN
 ICTHYOPLANKTON STUDY WHICH CONTAINS THE WATER CHEMISTRY DATA.
 NAME HUDSON HCEEN
 PHONE NUMBER 302 429 3538
 INSTITUTION OR AGENCY DELMARVA POWER
 STREET 800 KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19855

FILE NAME ECCOLOGICAL STUDIES IN THE VICINITY OF THE PROPOSED
 SUMMIT POWER STATION ICTHYOPLANKTON
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, CHESAPEAKE
 AND DELAWARE CANAL
 ABSTRACT ICTHYOPLANKTON TOWS AND TEMPERATURE, DISSOLVED
 OXYGEN, PH, SALINITY, AND SECCHI DEPTH MEASUREMENTS WERE CARRIED OUT IN AND
 NEAR THE CHESAPEAKE AND DELAWARE CANAL WEEKLY FROM APRIL TO DECEMBER 1973
 NAME HUDSON HCEEN
 PHONE NUMBER 302 429 3538
 INSTITUTION OR AGENCY DELMARVA POWER
 STREET 800 KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19855

FILE NAME ECCOLOGICAL STUDIES IN THE VICINITY OF THE PROPOSED
 SUMMIT POWER STATION, VOLUME 2: ICTHYOPLANKTON
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA,
 CHESAPEAKE AND DELAWARE CANAL
 ABSTRACT DATA COLLECTED ON THE ICTHYOPLANKTON FOUND IN THE
 CHESAPEAKE AND DELAWARE CANAL AND ADJACENT WATERS DURING THE 1974 ECCOLOGICAL
 STUDY OF THE AQUATIC ENVIRONMENT IN THE VICINITY OF THE PROPOSED SUMMIT POWER
 PLANT ARE PRESENTED IN REPORT FORM. THE DATA WAS GATHERED BY USE OF .5 METER,
 .5MM MESH PLANKTON NETS. SPECIES DETERMINATIONS AND DISTRIBUTIONS OF
 ICTHYOPLANKTON ON BOTH VERTICAL AND HORIZONTAL LEVELS ARE PRESENTED IN ORDER
 TO OBTAIN INFORMATION ON DAILY AND SEASONAL CHANGES IN POPULATION STRUCTURE.
 LENGTH-FREQUENCY DISTRIBUTIONS OF STRIPED BASS LARVAE AND PERCENTAGES OF
 VITALITY IN STRIPED BASS EGGS ARE INCLUDED. DATA ON WATER DEPTH, SALINITY,
 CONDUCTIVITY, TEMPERATURE, DISSOLVED OXYGEN, PH, SECCHI DEPTH AND TICAL PHASE,
 OBTAINED DURING ALL SAMPLING EVENTS OF ICTHYOPLANKTON, ARE LIKEWISE AVAILABLE
 IN THE REPORT.

NAME HUDSON HCEEN
 PHONE NUMBER 302 429 3205
 INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT
 STREET 800 KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19855

FILE NAME ECCOLOGICAL STUDIES IN THE VICINITY OF THE PROPOSED
 SUMMIT POWER STATION, VOLUME 3: TERRESTRIAL
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, CHESAPEAKE AND
 DELAWARE CANAL
 ABSTRACT DATA COLLECTED DURING A STUDY OF THE TERRESTRIAL
 ECOLOGY OF THE SUMMIT SITE AREA ALONG THE CHESAPEAKE AND DELAWARE CANAL FROM
 JANUARY THROUGH DECEMBER 1974 ARE PRESENTED IN REPORT FORM. SMALL MAMMAL
 POPULATIONS WERE MONITORED BY CATCH PER UNIT EFFORT AND ROAD KILL. SPECIES OF
 AMPHIBIANS AND REPTILES AS WELL AS SPECIES AND NUMBERS OF BIRDS ARE RECORDED
 AS THE ANIMALS OBSERVED IN THEIR NATURAL HABITATS. A BREEDING BIRD SURVEY WAS
 ALSO CARRIED OUT TO DETERMINE SEX RATIOS AND THE ESTIMATED NUMBERS OF ADULTS
 PER 100 ACRES.

NAME HUDSON HCEEN
 PHONE NUMBER 302 429 3205
 INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT
 STREET 800 KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19855

FILE NAME ECCELOGICAL STUDIES IN THE VICINITY OF THE PROPOSED
 SUMMIT POWER STATION, VOLUME 1: FISHES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA,
 CHESAPEAKE AND DELAWARE CANAL
 ABSTRACT DATA COLLECTED ON THE FISHES PRESENT IN THE
 CHESAPEAKE AND DELAWARE CANAL AND ADJACENT WATERS OF THE DELAWARE AND ELK
 RIVERS DURING THE 1974 ECCELOGICAL STUDY OF THE AQUATIC ENVIRONMENT IN THE
 VICINITY OF THE PROPOSED SUMMIT POWER PLANT ARE PRESENTED IN REPORT FORM. THE
 DATA WERE GATHERED IN 325 HALLS OF A 16-FOOT TRAWL, 83 HALLS OF A 10-FOOT
 TRAWL, 358 SEINE COLLECTIONS, 70 GILLNET SETS AND 21 DAYS OF CREEL CENSUS.
 SPECIES DETERMINATIONS AND DISTRIBUTIONS ARE PRESENTED ON A BIWEEKLY BASIS IN
 ORDER TO OBTAIN INFORMATION ON SEASONAL CHANGES IN POPULATION STRUCTURE.
 STOMACH ANALYSES OF SEVERAL SPECIES OF FISH ARE ALSO GIVEN ON A SEASONAL
 BASIS. LENGTH-FREQUENCY DISTRIBUTIONS AND CALCULATED GROWTH RATES OF PROMINENT
 SPECIES ARE INCLUDED, AS ARE THE RESULTS OF TAGGING STUDIES AND FECUNDITY
 STUDIES OF EGG PRODUCTION. DATA ON WATER DEPTH, SALINITY, CONDUCTIVITY,
 TEMPERATURE, DISSOLVED OXYGEN GAS, PH, SECCHI DISK DEPTH, AND TIDAL PHASE,
 OBTAINED DURING ALL SAMPLING EVENTS OF FISH, ARE LIKEWISE AVAILABLE IN THE
 REPORT.

NAME HUDSON HOEN
 PHONE NUMBER 302 429 3205
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 STREET 800 KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19695

FILE NAME ECCELOGICAL STUDY IN THE VICINITY OF EDGEMOR
 STATION JULY 8 - DECEMBER 9, 1970
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE BAY,
 DELAWARE RIVER
 ABSTRACT THE DATA IN THIS FILE CONSISTS OF SURVEYS OF FISHES
 AND LARGER INVERTEBRATES IN THE DELAWARE RIVER IN THE VICINITY OF THE EDGEMOR
 POWER PLANT. PHYSICAL, CHEMICAL, TIDAL, AND OTHER DATA PERTINENT TO POPULATION
 FLUCTUATIONS IS ALSO INCLUDED. THE DATA WERE TAKEN BETWEEN JULY 8 AND DECEMBER
 9, 1970.

NAME HUDSON P. HOEN
 PHONE NUMBER 302 429 3454
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 STREET 800 KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19795

FILE NAME ECCELOGICAL STUDY OF THE DELAWARE RIVER IN THE
 VICINITY OF ARTIFICIAL ISLAND PROGRESS REPORT FOR JUNE-DECEMBER 1968
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER
 ABSTRACT EXTENSIVE FISH DATA FOR THE DELAWARE RIVER IN THE
 VICINITY OF ARTIFICIAL ISLAND IS PRESENTED. DATA ANALYSIS RELATIVE TO IMPACT
 OF SALEM NUCLEAR POWER STATION ON FISH COMMUNITY. DATA COVERAGE JUNE THROUGH
 DECEMBER 1968. HYDROGRAPHIC INFORMATION, FISH SPECIES LIST, ABUNDANCE,
 LENGTH, AND STATION SIMILARITY COMPARISONS PRESENTED. SAMPLING GEAR INCLUDED
 16 FOOT TRAWL, BEACH SEINE, FYKE NET AND PLANKTON NET. PROJECT TO CONTINUE
 FOR SEVERAL YEARS AND INCREASE IN SCOPE.

NAME VICTOR J. SCHLEF
 PHONE NUMBER 302 378 8652
 INSTITUTION OR AGENCY ICHTHYOLOGICAL ASSOCIATES
 STREET BOX 25 RD 2
 CITY MIDDLETOWN
 STATE DELAWARE
 ZIP CODE 19705

FILE NAME ECCELOGICAL WETLANDS ASSESSMENT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND
 ABSTRACT FILE CONTAINS WETLAND ASSESSMENTS RELATIVE TO
 PERMIT APPLICATIONS UNDER MARYLAND WETLAND LAW, ARTICLE 66C, SECTION 718 TO
 731. LARGELY QUALITATIVE DATA FROM SITE VISIT, 4 SITES RECEIVED QUANTITATIVE
 SAMPLING: MYSTIC HARBOR, SNUG HARBOR, FRONTIERTOWN, MONTEGO BAY DEVELOPMENT
 CORPORATION. DATA CROSS REFERENCE TO CASEY FILE IN DNR, FISHERIES
 ADMINISTRATION.

NAME WILLIAM SIFFLE
 PHONE NUMBER 301-267-5877
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET WATER RESOURCES ADMINISTRATION TAKES STATE OFFICE
 BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME ECOLOGY AND EARLY LIFE HISTORY OF STRIPED BASS,
MORONE SAXATILIS, IN THE DELAWARE ESTUARY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER, CHESAPEAKE
AND DELAWARE CANAL
ABSTRACT THE LOWER DELAWARE RIVER IN THE VICINITY OF
ARTIFICIAL ISLAND, NEW JERSEY WAS STUDIED FOR TWO YEARS. THE OBJECTIVE WAS TO
DETERMINE THE EARLY LIFE HISTORY AND ECOLOGY OF THE STRIPED BASS, MORONE
SAXATILIS, WITH EMPHASIS ON STUDIES OF AGE, GROWTH, FOOD AND DISTRIBUTION.
NAME WILLIAM H BASCH
PHONE NUMBER 609 646 8366
INSTITUTION OR AGENCY ICHTHYOLOGICAL ASSOCIATES
STREET BOX 35, R.D. 2
CITY MIDDLETOWN
STATE DELAWARE
ZIP CODE 19709

FILE NAME ECOLOGY AND MANAGEMENT OF STREAMS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, MIDDLESEX COUNTY
ABSTRACT A SECTION OF HEATHCOTE BROOK LOCATED IN SOUTH
BRUNSWICK TOWNSHIP OF MIDDLESEX COUNTY WAS CHANNELIZED FOR MOSQUITO CONTROL IN
THE SUMMER OF 1974. SURVEYS OF WATER QUALITY, WATERFOWL AND MUSKRATS WERE
CONDUCTED BEFORE AND AFTER CHANNELIZATION. THE SURVEYS WERE MADE INITIALLY
EVERY MONTH FOR A FOUR MONTH PERIOD AND WERE LATER REDUCED TO THREE MONTH
INTERVALS.
NAME PRINCIPAL FISHERIES BIOLOGIST
PHONE NUMBER 609 292 6666
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DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
STREET P.O. BOX 1809
CITY TRENTON
STATE NEW JERSEY
ZIP CODE 08625

FILE NAME ECOLOGY AND MANAGEMENT OF UPLAND SWAMPS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, BEAVER SWAMP
WILDLIFE MANAGEMENT AREA
ABSTRACT AS PART OF OBTAINING PRE-IMPOUNDMENT DATA ON THE
BEAVER SWAMP WILDLIFE MANAGEMENT AREA, MOSQUITO TRAPPING STATIONS WERE
ESTABLISHED AND SAMPLED IN CONTROL AND PRE-IMPOUNDMENT AREAS. AERIAL
PHOTOGRAPHY AND GROUND STUDIES WERE USED TO DEVELOP A COVER TYPE MAP OF THE
AREA. COUNT REFLECTS ONE MONTH SAMPLING IN APRIL FOR MOSQUITO LARVAE OF Aedes
CANADENSIS USING A STANDARD PERCELIN TRAP WITH ONE TRAP STATION USED FOR EACH
TEN PERCENT OF THE SAMPLE AREA THAT WAS UNDER WATER.
NAME PRINCIPAL FISHERIES BIOLOGIST
PHONE NUMBER 609 292 6666
INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
STREET P.O. BOX 1809
CITY TRENTON
STATE NEW JERSEY
ZIP CODE 08625

FILE NAME ECADPHIC ALGAE IN ABANDONED FIELDS OF THE PIEDMONT
OF NEW JERSEY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, SOMERSET COUNTY
ABSTRACT SCILS FROM FIELDS RANGING IN YEARS SINCE
ABANDONMENT FROM TWO TO EIGHTY-THREE, AND A CLIMAX FOREST WERE ASSAYED FOR
ALGAL COMPOSITION. THE DISTRIBUTIONAL PATTERNS OF 22 GENERA OF 8 ALGAL
DIVISIONS AND THEIR RELATIVE ABUNDANCE WERE DETERMINED. RESULTS SHOWED SOME
DIFFERENCES IN GENERIC COMPOSITION WITH INCREASING TIME SINCE ABANDONMENT, BUT
NO EVIDENCE OF TEMPORAL OR SEASONAL SUCCESSION WAS FOUND.
NAME REFERENCE LIBRARIAN
PHONE NUMBER 201 732 1766
INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
CITY NEW BRUNSWICK
STATE NEW JERSEY
ZIP CODE 08903

FILE NAME ECADPHIC FACTORS AND PRODUCTIVITY OF ESTUARINE
MARSHES
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, VIRGINIA, EASTERN
SHORE, WACHAPREAGUE MARSH YORK RIVER, WARE AND CARTER CREEK MARSHES
ABSTRACT DATA ON THE ECADPHIC FACTORS AND PRODUCTIVITY OF 3
ESTUARINE MARSHES OF THE EASTERN SHORE OF VIRGINIA WERE COLLECTED AT 2
STATIONS MONTHLY FOR 10 MONTHS DURING 1972.
NAME LIBRARIAN
PHONE NUMBER 703-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME ECCEYSTCNE THERMAL POWER PLANT STUDY--PENNSYLVANIA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA
 ABSTRACT MISSION W116, FLIGHT 01, WAS ACCOMPLISHED ON MARCH
 28, 1972, UTILIZING THE WALLEPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A
 T-11 AERIAL CAMERA AND AN AAC-2 THERMAL IR SCANNER IN COOPERATION WITH THE
 U.S. ARMY ENGINEER WATERWAYS EXPERIMENT STATION. THE OBJECTIVE OF THE FLIGHT
 WAS TO IMAGE THE EXTENT AND INTENSITY OF THERMAL PLUMES EMITTED BY THE
 ECCEYSTCNE POWER PLANT AT PHILADELPHIA PENNSYLVANIA. THE IR PRINTS DID NOT
 TAKE.

NAME MICHAEL CENGER
 PHONE NUMBER 804 824 3411
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 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME EDGEMCOF AIR QUALITY MONITORING SYSTEM
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, WILMINGTON
 ABSTRACT THREE ATMOSPHERIC POLLUTANTS, NITROGEN DIOXIDE,
 OXIDES OF NITROGEN, AND SULFUR DIOXIDE ARE MEASURED FOURLY AT THREE POINTS IN
 THE WILMINGTON, DELAWARE AREA. WIND SPEED AND DIRECTION ARE ALSO MEASURED IN
 THIS STUDY THAT BEGAN IN 1973 AND IS CONTINUING NOW.

NAME HLDSEN HGEN
 PHONE NUMBER 302 429 3538
 INSTITUTION OR AGENCY DELMARVA POWER
 STREET ECC KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19859

FILE NAME EFFECT OF ENVIRONMENTAL SALINITY ON THE AMINO ACIDS
 OF BALANUS IMPREVISUS DARWIN
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, JAMES RIVER, VIRGINIA BEACH
 ABSTRACT FREE AMINO ACID COMPOSITION OF MUSCLE TISSUE OF THE
 COMMON BARNACLE, BALANUS IMPREVISUS WAS STUDIED AT LOW, 3 TO 4 PARTS PER
 THOUSAND, AND HIGH, 26 TO 30 PARTS PER THOUSAND, SALINITIES.

NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME EFFECT OF GEESE EAT OUTS ON FLORA AND FAUNA OF THE
 SALT MARSH
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, BRIGANTINE
 WILDLIFE REFUGE, HEISLERVILLE WILDLIFE AREA
 ABSTRACT EFFECTS ON VEGETATION DENSITY AND INVERTEBRATE
 FAUNA WERE INVESTIGATED BEFORE AND AFTER GEESE FEEDING ON TWO SALT MARSHES.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
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 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME EFFECT OF GEESE EAT-OUTS ON THE MARSH FLORA AND
 FAUNA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, BRIGANTINE
 WILDLIFE REFUGE
 ABSTRACT PRELIMINARY INVESTIGATION OF SNOWGEESE EAT-CUT
 GRAZING EFFECTS ON THE INVERTEBRATE POPULATION IN THE BRIGANTINE WILDLIFE
 REFUGES MARSHES WAS CARRIED OUT. A COMPARISON FOR SEVEN INVERTEBRATES IS
 REPORTED BETWEEN NORMAL VEGETATED PLOTS AND BARREN EAT-OUT PLOTS.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
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 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME EFFECT OF SOIL DISPOSAL ON BENTHIC COMMUNITIES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE, LEWES
 ABSTRACT THE PURPOSE OF THIS STUDY WAS TO EVALUATE THE GROSS
 (COMMUNITY DISRUPTION, MORTALITY) BIOLOGICAL EFFECTS OF DREDGING AND OVERBOARD
 SPILL DISPOSAL IN THE BREAKWATER HARBOR, LEWES, DELAWARE, ON BENTHIC MARINE
 INVERTEBRATES. THE STUDY CONSISTED OF THREE ASPECTS: 1) PHYSICAL OCEANOGRAPHY
 AND AERIAL PHOTOGRAPHY, 2) MARINE GEOLOGY, AND 3) MARINE BIOLOGY. SPECIFIC
 OBJECTIVES WERE: 1) TO DETERMINE THE RELATIVELY SHORT-TERM DISPERSION OF
 SPILLS FROM DREDGING, AND 2) TO DETERMINE THE SHORT-TERM BIOLOGICAL EFFECT OF
 SPILL DISPOSAL FROM DREDGING. THERE WERE 103 STATIONS WITHIN THE STUDY AREA
 WHICH WERE SAMPLED THREE TIMES; DECEMBER 1971, MARCH 1972 AND JUNE 1972. THE
 PARAMETERS DETERMINED IN THE STUDY AREA ARE CURRENT SPEED AND DIRECTION,
 SPECIES DETERMINATION AND COUNT OF BENTHIC ANIMALS, SALINITY, TEMPERATURE,
 DISSOLVED OXYGEN, PH, SIZE ANALYSIS OF SEDIMENTS, BIOMASS OF BENTHIC ANIMALS
 AND SECCHI DISC DEPTH.

NAME DR. DON MALRER
 PHONE NUMBER 302 738 2569
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME EFFECT OF SPILL DISPOSAL ON BENTHIC COMMUNITIES
 NEAR THE MOUTH OF DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY,
 BREAKWATER HARBOR
 ABSTRACT DATA FROM A COMPREHENSIVE STUDY OF THE GROSS
 EFFECTS OF DREDGING AND OVERBOARD SPILL DISPOSAL ON MACROBENTHIC ANIMAL
 COMMUNITIES IN THE LEWES BREAKWATER HARBOR FROM DECEMBER 1971 TO JULY 1972 ARE
 PRESENTED IN REPORT FORM. MAJOR OBSERVATIONS INCLUDED HYDROGRAPHIC DATA
 (TEMPERATURE, SALINITY AND DISSOLVED OXYGEN); DYE STUDIES AND DROGUE STUDIES
 OF CURRENT PATTERNS; SEDIMENT COMPOSITION, TEMPERATURE AND PH; BATHYMETRY AND
 SPILL DEPOSITION PATTERNS; AND MACROBENTHIC ANIMAL DISTRIBUTIONS.

NAME DON MALRER
 PHONE NUMBER 302 645 4000
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19556

FILE NAME EFFECTS OF ENVIRONMENTAL POLLUTANTS ON CONNECTICUT
 AND MARYLAND OSPREYS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CONNECTICUT AND
 MARYLAND
 ABSTRACT A TWO YEAR STUDY CONDUCTED IN 1968 AND 1969 IN
 WHICH EGGS WERE EXCHANGED BETWEEN NESTS OF OSPREYS IN MARYLAND AND
 CONNECTICUT. THE STUDY TESTED THE HYPOTHESIS THAT THE DECLINE IN REPRODUCTIVE
 SUCCESS OF CONNECTICUT OSPREYS IS BY SOMETHING WITHIN THE EXTERNAL ENVIRONMENT
 OF THE EGGS.

NAME STANLEY N. WIEMEYER
 PHONE NUMBER 301 776 4860
 INSTITUTION OR AGENCY BUREAU OF SPORT FISHERIES AND WILDLIFE
 STREET PATUXENT WILDLIFE RESEARCH CENTER
 CITY LAUREL
 STATE MARYLAND
 ZIP CODE 20610

FILE NAME EFFECTS OF FERTILIZER NITROGEN AND PHOSPHORUS ON
 GROWTH AND FLOWER BUD DEVELOPMENT OF RHODODENDRON 'ROSEUM ELEGANS' AND
 'AMERICA'
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 A STUDY CONDUCTED IN DELAWARE FROM 1970 TO 1971 TO DETERMINE THE EFFECTS OF
 FERTILIZER NITROGEN LEVELS, PHOSPHORUS LEVELS AND VARIOUS SOIL AMENDMENTS ON
 GROWTH AND FLOWER DEVELOPMENT IN 9-MONTH OLD GREENHOUSE-GROWN LINERS OF
 RHODODENDRON CULTIVARS 'ROSEUM ELEGANS' AND 'AMERICA'.

NAME MORRIS LITERARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME EFFECTS OF MARSH MODIFICATIONS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, TUCKAHOE WILDLIFE
 AREA
 ABSTRACT TEST PLOTS HAVE BEEN ESTABLISHED ON THE SALT
 MARSHES OF THE TUCKAHOE WILDLIFE AREA TO MONITOR INVERTEBRATE PRODUCTION AND
 CHANGES IN VEGETATION AFTER TREATMENT WITH OPEN MARSH WATER MANAGEMENT
 TECHNIQUES. THREE YEARS OF PRE-TREATMENT DATA IS PRESENTED. FOND AND DITCH
 ALTERATIONS WILL BE CARRIED OUT, SO INVERTEBRATE AND VEGETATION COUNTS WERE
 DONE ON CONTROL AND PLOTS TO BE TREATED.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1805
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME EFFECTS OF PESTICIDES AND ENVIRONMENTAL POLLUTANTS
 ON RAILS AND SHOREBIRDS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., NEW JERSEY TO SOUTH
 CAROLINA
 ABSTRACT THE EGGS OF CLAPPER RAIL, WILLET, AND AMERICAN
 OYSTER CATCHER WERE COLLECTED FROM NEW JERSEY TO SOUTH CAROLINA AND MEASURED
 FOR THICKNESS AS WELL AS ORGANIC CHLORINES AND PCB. 3500 EGGS WERE MEASURED AND
 30 EGGS ANALYZED FOR ORGANIC CHLORINE PESTICIDES AND PCB.
 NAME R. I. SMITH, DIRECTOR
 PHONE NUMBER 301 776 4880
 INSTITUTION OR AGENCY PATUXENT WILDLIFE RESEARCH CENTER
 STREET MIGRATORY BIRD AND HABITAT RESEARCH LABORATORY
 CITY LAUREL
 STATE MARYLAND
 ZIP CODE 20810

FILE NAME EFFECTS OF POWER PLANTS IN THE LOWER DELAWARE RIVER
 ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER
 ABSTRACT TO DETERMINE THE EFFECTS OF THERMAL DISCHARGES BY
 THREE POWER PLANTS LOCATED ON THE DELAWARE RIVER BETWEEN TRENTON N.J. AND THE
 PA. - DEL. LINE, TWELVE SAMPLING STATIONS WERE USED TO OBTAIN WATER SAMPLES
 FOR ZOOPLANKTON, PHYTOPLANKTON AND BACTERIAL COUNTS AND MEASUREMENT OF CERTAIN
 NUTRIENTS.
 NAME ER. CLYDE E. COLLIER
 PHONE NUMBER 215 567 3700
 INSTITUTION OR AGENCY THE ACADEMY OF NATURAL SCIENCES
 STREET NINETEENTH AND THE PARKWAY
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19103

FILE NAME EFFECTS OF SACCHARIN ON BACTERIAL SPOT OF PEPPER
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 STUDIES CONDUCTED IN DELAWARE DURING 1966 ON THE EFFECTIVENESS OF SACCHARIN IN
 CONTROLLING BACTERIAL SPOT OF PEPPER (*COCCIDIOSIPHUM ANNULUM* L.). INCLUDED ARE RESULTS
 OF OBSERVATIONS ON THE DIFFERENCES BETWEEN PEPPER PLANTS RESISTANT AND
 SUSCEPTIBLE TO BACTERIAL SPOT.
 NAME MORRIS LITERARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME EFFECTS OF SPRAY MULCHES ON SOIL TEMPERATURE, SOIL
 MOISTURE, AND GROWTH OF ASPARAGUS AND DIRECT SEEDED PEPPERS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY
 ABSTRACT DATA COLLECTED DURING FIELD STUDIES CONDUCTED IN
 DELAWARE DURING 1961 TO DETERMINE THE EFFECTS OF SOME SPRAY MULCH MATERIALS ON
 SOIL TEMPERATURE, SOIL MOISTURE, GROWTH OF DIRECT SEEDED PEPPERS AND ASPARAGUS
 SPEAR PRODUCTION AND YIELD ARE PRESENTED IN REPORT FORM. THE MULCHES USED IN
 THE SURVEY INCLUDE SLX WAX (A PARAFFIN WAX EMULSION), ELVACET (A POLYVINYL
 ACETATE EMULSION), SOIL SET (A BUTADIENE-STYRENE COPOLYMER) AND COMBINATIONS
 OF ELVACET AND SOIL SET WITH SLX WAX.
 NAME MORRIS LITERARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME EFFECTS OF TEMPERATURE AND SALINITY ON
OSMOREGULATION OF DEVELOPING SPINY DOGFISH (SQUALUS ACANTHIAS) EMBRYOS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, COASTAL
ABSTRACT SPINY DOGFISH, SQUALUS ACANTHIAS LINNAEUS, EMBRYOS
WERE ACCLIMATED TO A SALINITY OF 26 PARTS PER THOUSAND AND 10 DEGREES C FOR 24
HOURS, THEN TRANSFERRED INTO SALINITIES OF 16, 26 AND 36 PARTS PER THOUSAND AT
TEMPERATURES OF 3, 10 AND 20 DEGREES C. AFTER 62 HOURS, PLASMA SAMPLES WERE
OBTAINED. THIS PROCEDURE WAS AGAIN REPEATED WITH OTHER EMBRYOS AND PLASMA
SAMPLES OBTAINED AFTER 12 HOURS. THE SAMPLES WERE ANALYZED FOR PLASMA UREA,
CHLORIDE, WATER AND OSMOTIC PRESSURE. SALINITY HAD THE GREATEST EFFECT ON
UREA, CHLORIDE AND OSMOTIC PRESSURE. HOWEVER, HIGH TEMPERATURE (20 DEG C)
APPEARED TO INFLUENCE PLASMA UREA AND CHLORIDE EXCRETION. THIS STUDY SUGGESTS
THAT SPINY DOGFISH EMBRYOS ARE HYPEROSMOREGLATORS AND REQUIRE 86 HOURS TO
OBTAIN OSMOTIC EQUILIBRIUM. THEY REACH THIS EQUILIBRIUM BY VARYING THE MAJOR
PLASMA OSMOTIC SOLUTES, UREA AND SODIUM CHLORIDE, IN THE BLOOD.

NAME LIBRARIAN
PHONE NUMBER 302 445 6674
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
CITY LEWES
STATE DELAWARE
ZIP CODE 19558

FILE NAME EFFECTS OF TROPICAL STORM AGNES ON THE CHESAPEAKE
BAY
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
VIRGINIA
ABSTRACT MISSION W153, FLT. 1, WITH HALLOPS STATION C-54
AIRCRAFT EQUIPPED WITH THE T-11 AERIAL CAMERAS ON AUG. 1, 1972, IN COOPERATION
WITH VA. INSTITUTE OF MARINE SCI. IN TANGIER ISLAND, VA. REGION OF CHESAPEAKE
BAY. OBJECTIVE - TO ACQUIRE AIRBORNE NATURAL COLOR AND BLACK & WHITE IMAGERY TO
INVESTIGATE SEDIMENTATION IN CHESAPEAKE BAY AS RESULT OF TROPICAL STORM
"AGNES". FLIGHT IN FAIR WEATHER, NO OVERCAST, CONSIDERABLE HAZE, AIR TEMP. 10
DEG. C AT 10000 FT., NSL WITH VARIABLE WIND SPEED.

NAME PAUL ALFONSI
PHONE NUMBER 804-824-3411
INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
CITY HALLOPS ISLAND
STATE VIRGINIA
ZIP CODE 23337

FILE NAME EFFECTS OF VARIATION IN DISCHARGE ON THE STREAM
CHEMISTRY OF THE CHRISTIANA RIVER DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., DELAWARE, CHRISTIANA
RIVER
ABSTRACT THIS FILE CONTAINS STREAM CHEMISTRY DATA FOR THE
CHRISTIANA RIVER, DELAWARE DURING THE PERIOD FROM APRIL 1973 TO JANUARY 1974.
THE DATA COLLECTED AT 3 STATIONS ALONG THE STREAM INCLUDES SODIUM, SPECIFIC
CONDUCTANCE, NITRATE, SULFATE, ORTHOPHOSPHATE, TOTAL HARDNESS, CALCIUM
HARDNESS, MAGNESIUM HARDNESS, SILICA, CHLORIDE, ALKALINITY, AND PH. PHYSICAL
PARAMETERS SUCH AS STREAM STAGE AND STREAM FLOW ARE ALSO MEASURED.

NAME REFERENCE LIBRARIAN
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
STREET MORRIS LIBRARY
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME EGGSHELL THICKNESS IN MORNING DOVE POPULATIONS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., ARIZONA, CALIFORNIA, GEORGIA,
INDIANA, NEW JERSEY, NORTH CAROLINA, OKLAHOMA, SOUTH CAROLINA, UTAH, VIRGINIA,
LOUISIANA, MISSISSIPPI, MISSOURI, NEBRASKA, TEXAS
ABSTRACT CONDUCTED IN 1969 AND 1970, THIS STUDY COMPARED
EGGSHELL THICKNESS OF THE MORNING DOVE POPULATIONS IN 16 STATES.

NAME J.F. KREITZER
PHONE NUMBER 301 776 4880
INSTITUTION OR AGENCY U.S. BUREAU OF SPORT FISHERIES AND WILDLIFE
STREET PATUXENT WILDLIFE RESEARCH CENTER
CITY LAUREL
STATE MARYLAND
ZIP CODE 20810

FILE NAME ELEMENTAL ANALYSES OF C AND D CANAL SEDIMENTS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, CHESAPEAKE
AND DELAWARE CANAL
ABSTRACT DATA PRESENTED FOR 19 STATIONS IN THE C AND D
CANAL. SAMPLE ANALYSIS BY X-RAY ACTIVATION AND REPORTED AS A PLOT FOR EACH
SAMPLE.

NAME LIBRARIAN
PHONE NUMBER 301 326 4281
INSTITUTION OR AGENCY CHESAPEAKE ECOLOGICAL LABORATORY
CITY SELDEN
STATE MARYLAND
ZIP CODE 20688

FILE NAME EMISSIONS INVENTORY AND AIR QUALITY DATA REPORT TO
 THE AIR POLLUTION BOARD
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, PHILADELPHIA
 ABSTRACT THE PURPOSE OF THIS MONITORING PROGRAM IS TO SUPPLY
 THE AIR POLLUTION DATA NECESSARY TO IMPROVE THE QUALITY OF PHILADELPHIA'S AIR.
 AT PRESENT ELEVEN STATIONS CONTINUOUSLY MONITOR CO, SO₂, NITROGEN OXIDES,
 HYDROCARBONS, CO₂, O₃, AND PARTICULATE MATTER IN THE AIR. COEFFICIENT OF
 HAZE, TEMPERATURE, AND WIND DIRECTION AND SPEED ARE ALSO MEASURED AT ONE
 STATION. DATA ARE FED INTO A COMPUTER AND STORED FOR 45 DAYS. MONTHLY AND
 ANNUAL REPORTS ARE ISSUED WITH COMPILATIONS OF AVERAGE POLLUTION LEVELS. BASE
 LEVEL MEASUREMENTS WERE TAKEN IN 1966. CONTINUOUS MONITORING WAS INSTITUTED IN
 1965.

NAME M. GOLDNER
 PHONE NUMBER 215 686 5162
 INSTITUTION OR AGENCY PHILA DEPT OF PUBLIC HEALTH, AIR MANAGEMENT SERVICES
 STREET 4320 WISSAHICKON AVE
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19140

FILE NAME ENERGY UTILIZATION IN THE MARSH CRAB, SESARMA
 RETICULATUM (SAY)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, CANARY CREEK,
 COASTAL

ABSTRACT THE MARSH CRAB, SESARMA RETICULATUM (SAY), FEEDS
 PRIMARILY UPON THE COAGRASS, SPARTINA ALTERNIFLORA, DURING THE SUMMER MONTHS
 IN CANARY CREEK MARSH (LEWES, DELAWARE). IN SO DOING, SESARMA IS A PART OF THE
 SECOND, OR HERBIVORE, TROPIC LEVEL IN THE MARSH. A STUDY WAS UNDERTAKEN TO
 DETERMINE THE ENERGY UTILIZED BY SESARMA IN FEEDING UPON SPARTINA OVER
 LUNAR-MONTHLY PERIODS. AMOUNTS OF SPARTINA INGESTED AND ASSIMILATED, IN TERMS
 OF GRAMS DRY WEIGHT, WERE FOUND FOR THREE GROUPS OF CRABS. THESE STUDIES
 INDICATE A POSSIBLE RELATIONSHIP BETWEEN THE QUANTITY (I.E. GRAMS DRY WEIGHT)
 AND/OR QUALITY (I.E. ASSOCIATED WITH MATURITY) OF SPARTINA AVAILABLE TO THE
 CRABS AND THE AMOUNTS INGESTED AND ASSIMILATED. THESE DATA, IN ADDITION TO
 DATA FROM RESPIRATION MEASUREMENTS WERE COMBINED WITH INFORMATION FROM THE
 LITERATURE TO CONSTRUCT ENERGY BUDGETS, IN TERMS OF CALORIC VALUES, FOR THE
 THREE GROUPS. SUBSEQUENTLY, THE DATA WERE EXTRAPOLATED TO THE MARSH ECOSYSTEM
 TO OBTAIN ESTIMATES OF ENERGY UTILIZATION BY THE MARSH POPULATION OF SESARMA.

NAME LIBRARIAN
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME ENERGY UTILIZATION IN THE MARSH CRAB, SESARMA
 RETICULATUM (SAY)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY, CANARY
 CREEK

ABSTRACT THE MARSH CRAB, SESARMA RETICULATUM (SAY), FEEDS
 PRIMARILY UPON THE COAGRASS, SPARTINA ALTERNIFLORA, DURING THE SUMMER MONTHS
 IN CANARY CREEK MARSH (LEWES, DELAWARE). IN SO DOING, SESARMA IS A PART OF THE
 SECOND, OR HERBIVORE, TROPIC LEVEL IN THE MARSH. A STUDY WAS UNDERTAKEN TO
 DETERMINE THE ENERGY UTILIZED BY SESARMA IN FEEDING UPON SPARTINA OVER
 LUNAR-MONTHLY PERIODS. AMOUNTS OF SPARTINA INGESTED AND ASSIMILATED, IN TERMS
 OF GRAMS DRY WEIGHT, WERE FOUND FOR THREE GROUPS OF CRABS. THESE STUDIES
 INDICATE A POSSIBLE RELATIONSHIP BETWEEN THE QUANTITY (I.E. GRAMS DRY WEIGHT)
 AND/OR QUALITY (I.E. ASSOCIATED WITH MATURITY) OF SPARTINA AVAILABLE TO THE
 CRABS AND THE AMOUNTS INGESTED AND ASSIMILATED. THESE DATA, IN ADDITION TO
 DATA FROM RESPIRATION MEASUREMENTS, WERE COMBINED WITH INFORMATION FROM THE
 LITERATURE TO CONSTRUCT ENERGY BUDGETS, IN TERMS OF CALORIC VALUES, FOR THE
 THREE GROUPS. SUBSEQUENTLY, THE DATA WERE EXTRAPOLATED TO THE MARSH ECOSYSTEM
 TO OBTAIN ESTIMATES OF ENERGY UTILIZATION BY THE MARSH POPULATION OF SESARMA.

NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 CITY COVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ENTOMOLOGICAL COLLECTION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK
 ABSTRACT

THE COLLECTIONS OF THE NEW YORK STATE MUSEUM ARE
 THE LARGEST SCIENTIFIC COLLECTIONS IN NEW YORK, NORTH OF NEW YORK CITY. THEY
 ARE USED FOR RESEARCH AND INSTRUCTION FOR SCHOOLS AND COLLEGES AS WELL AS FOR
 INDIVIDUAL SCIENTISTS. COLLECTIONS ARE WELL CATALOGUED EXCEPT FOR RECENT
 ADDITIONS WHICH WERE SCIENTIFIC STUDIES. MANY TYPE SPECIMENS OF INTERNATIONAL
 IMPORTANCE ARE PRESENT IN THE COLLECTION, WHICH CONTAINS APPROXIMATELY 300,000
 SPECIMENS. IT IS ONE OF THE THREE LARGEST COLLECTIONS IN NEW YORK STATE IT IS
 ALSO ONE OF THE OLDEST, DATING BACK TO 1854. IN ADDITION, THERE ARE
 APPROXIMATELY 3,000 FLANT SPECIMENS SHOWING INSECT DAMAGE OR WORK, INCLUDING
 THE FAMOUS FELT GALL COLLECTION. PARTICULARLY OUTSTANDING ARE THE COLLECTIONS
 OF LARGER MOTHS AND BUTTERFLIES, FLIES OF MEDICAL AND NUISANCE IMPORTANCE,
 GALLS AND GALL MIDGES, FOREST PESTS, FLEAS, GROUND BEETLES, WATER BEETLES AND
 LEAF BEETLES.

NAME DR. HUGO JAMBACH
 PHONE NUMBER 518 474-5812
 INSTITUTION OR AGENCY NY STATE DEPT OF EDUCATION, MUSEUM AND SCIENCES
 SERVICE
 STREET WASHINGTON AVENUE
 CITY ALBANY
 STATE NEW YORK
 ZIP CODE 12210

FILE NAME ENVIRONMENT AND SALINITY TOLERANCE IN THE GENUS
 FUNGUS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MISSOURI, TENNESSEE, FLORIDA,
 GEORGIA, CONNECTICUT, NORTH CAROLINA, ALABAMA, CALIFORNIA
 ABSTRACT THE OBJECTIVE OF THIS STUDY WAS TO CONSIDER THE
 CORRELATIONS BETWEEN ENVIRONMENTAL SALINITY AND PHYSIOLOGICAL TOLERANCES OF
 HIGH AND LOW SALINITIES IN A REPRESENTATIVE GROUP OF SPECIES OF FUNGUS.
 PARAMETERS MEASURED INCLUDE: SPECIES DETERMINATION OF DEMERSAL FISH, COUNT OF
 DEMERSAL FISH, SALINITY, AND CALCIUM. THE DATA WERE COLLECTED FROM 1968-1972
 AT SITES LOCATED IN MISSOURI, TENNESSEE, FLORIDA, GEORGIA, CONNECTICUT, NORTH
 CAROLINA, ALABAMA, AND CALIFORNIA. THE DATA ARE AVAILABLE IN PUBLISHED FORM
 AND WERE COLLECTED BY DR. ROBERT W. GRIFFITH, BIOLOGY DEPARTMENT, SOUTHEASTERN
 MASSACHUSETTS UNIVERSITY, NORTH DARTMOUTH, MASSACHUSETTS 02747.
 NAME DR. ROBERT W. GRIFFITH
 PHONE NUMBER 617 957 9321
 INSTITUTION OR AGENCY SOUTHEASTERN MASSACHUSETTS UNIVERSITY
 STREET OLD WESTPORT ROAD
 CITY NORTH DARTMOUTH
 STATE MASSACHUSETTS
 ZIP CODE 02747

FILE NAME ENVIRONMENTAL ASSESSMENT OF WOODBURY CREEK MARSHES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY,
 GLoucester County, WOODBURY CREEK, HESSIAN RUN
 ABSTRACT THIS STUDY DONE TO EVALUATE WOODBURY CREEK MARSHES
 AS THEY EXIST TO DETERMINE POTENTIAL IMPACTS DUE TO A PROPOSED ROUT 2 I-295
 INTERSECTION. INCLUDED IN THIS EXISTING CONDITIONS STUDY WERE DATA ON BASIC
 VEGETATION, ANIMAL COMMUNITIES, PRODUCTIVITY, AND WATER QUALITY CHEMISTRY.
 NAME RALPH GOOD
 PHONE NUMBER 609 757 6146
 INSTITUTION OR AGENCY RUTGERS UNIVERSITY
 STREET BIOLOGY DEPARTMENT
 CITY CAMDEN
 STATE NEW JERSEY
 ZIP CODE 08102

FILE NAME ENVIRONMENTAL CONSULTATION-WETLANDS LYNNHAVEN AREA
 OF LOWER CHESAPEAKE BAY AND ELIZABETH RIVER
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
 BAY, VIRGINIA, LYNNHAVEN BAY, ELIZABETH RIVER
 ABSTRACT SURVEY OF HYDROGRAPHIC AND BIOLOGICAL PARAMETERS OF
 LOWER CHESAPEAKE BAY, LYNNHAVEN BAY AND ELIZABETH RIVER, VA. DATA COLLECTED IN
 CONJUNCTION WITH CONTRACT WORK FOR CONTRACTORS AND LAND DEVELOPERS
 NAME PAUL KIRK
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME ENVIRONMENTAL IMPACT AND EFFICACY OF DYLIX USED FOR
 GYPSY MOTH CONTROL IN NEW YORK STATE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, WESTCHESTER COUNTY
 ABSTRACT A STUDY OF EFFECTS OF PESTICIDE DYLIX ON PLANTS,
 ANIMALS AND INSECTS AT SIX 50 ACRE SITES IN WESTCHESTER COUNTY, N.Y. DURING
 JUNE, 1971 IS PRESENTED. SAMPLES WERE TAKEN THE DAY BEFORE SPRAYING AND 9
 TIMES AFTERWARDS, UNTIL 106 DAYS AFTER SPRAYING. TWO WEATHER STATIONS WERE
 ESTABLISHED, MEASURING WIND SPEED AND DIRECTION AT 50 AND 8 FEET, AND
 TEMPERATURE, RELATIVE HUMIDITY AND PRECIPITATION CONTINUOUSLY FOR 5 WEEKS AT
 THE 8 FOOT STATION. THE PERSISTENCE OF DYLIX RESIDUES WAS MEASURED BY LEAF,
 TWIG, LITTER, SOIL MLD, FISH, BIRDS, RODENT AND INSECT SAMPLES, ANALYZED BY
 EXTRACTION AND GAS CHROMATOGRAPHY. SOIL ORGANISM DENSITIES ARE RECORDED.
 IMPACT ON BIRDS AND MAMMALS WAS MEASURED BY MORTALITY, BEHAVIOR AND ABUNDANCE,
 AND RESIDUE LEVELS. DENSITY OF MACROINVERTEBRATES AT 5 SITES WAS SAMPLED 36
 TIMES. ORGANISMS PER SPECIES PER METER IS RECORDED. MORTALITY OF GYPSY MOTHS
 AND OTHER INSECTS IS MEASURED AT 50 PLOTS.
 NAME RAYMOND L. MARLER, DIRECTOR
 PHONE NUMBER 315 473 8673
 INSTITUTION OR AGENCY APPLIED FORESTRY RESEARCH INSTITUTE; 5 MOON LIBRARY
 STREET COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
 CITY SYRACUSE
 STATE NEW YORK
 ZIP CODE 13210

FILE NAME ENVIRONMENTAL IMPACT ASSESSMENT OF 5 PROPOSED
ALTERNATIVES FOR CAPACITY EXPANSION AT PHILADELPHIA INTERNATIONAL AIRPORT
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, PHILADELPHIA,
PHILADELPHIA INTERNATIONAL AIRPORT
ABSTRACT AN ASSESSMENT OF 5 PROPOSED ALTERNATIVES FOR
EXPANSION AT PHILADELPHIA INTERNATIONAL AIRPORT WAS BASED ON GEOLOGIC
CONDITIONS, VEGETATION WILDLIFE HISTORICAL SITES, AND PARKS AND RECREATIONAL
AREAS. OBSERVATIONS WERE MADE BY JACK MC CORMICK AND ASSOCIATES, INC. FROM
JANUARY, 1970 TO OCTOBER, 1973. THE AREA SURROUNDING THE AIRPORT WAS OBSERVED
AND RECORDS KEPT ON SPECIES, HABITAT AND MIGRATORY HABITS.

NAME JACK MC CORMICK
PHONE NUMBER 215 647 5000
INSTITUTION OR AGENCY JACK MC CORMICK AND ASSOCIATES, INC.
STREET 511 OLD LANCASTER RD
CITY BERYN
STATE PENNSYLVANIA
ZIP CODE 19312

FILE NAME ENVIRONMENTAL IMPACT STATEMENT ON THE CONSTRUCTION
AND OPERATION OF A DREDGED SPECIL DISPOSAL AREA IN LOGAN TOWNSHIP, GLOUCESTER
CO., N.J.
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, GLOUCESTER COUNTY,
LOGAN TOWNSHIP, COASTAL
ABSTRACT THIS REPORT IS AN ASSESSMENT OF ENVIRONMENTAL
CHANGE THAT WOULD BE LIKELY TO RESULT FROM THE USE OF THE SITE FOR DISPOSAL OF
DREDGE SPECILS. THE DATA ARE ALL EITHER FAUNAL INVENTORY OR WATER QUALITY DATA.

NAME DR. JAMES A. SCHMID
PHONE NUMBER 215 647 3110
INSTITUTION OR AGENCY JACK MCCORMICK AND ASSOCIATES
STREET 86C WATERLOO RD.
CITY DEVER
STATE PENNSYLVANIA
ZIP CODE 19333

FILE NAME ENVIRONMENTAL INVENTORY OF THE FIRE ISLAND NATIONAL
SEASHORE AND THE WILBUR FLOYD ESTATE, SUFFOLK COUNTY, NEW YORK
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, SUFFOLK
COUNTY, FIRE ISLAND
ABSTRACT THIS REPORT CONTAINS PLANT AND ANIMAL SURVEY DATA
ON THE FIRE ISLAND NATIONAL SEASHORE AND WILBUR FLOYD ESTATE IN SUFFOLK
COUNTY, NEW YORK THE STUDY, DONE FROM 1973 TO 1975, INCLUDES COLLECTS AND
SPECIES DETERMINATIONS OF BIRDS, MAMMALS, REPTILES, AMPHIBIANS, AND LISTS OF
LAND PLANTS AT VARIOUS STUDY AREAS WITHIN THE 2 GENERAL LOCATIONS, SIGNIFICANT
HISTORICAL AND LITERATURE DATA INCLUDED TO AMPLIFY FIELD WORK.

NAME JACK MC CORMICK
PHONE NUMBER 215 647 5000
INSTITUTION OR AGENCY JACK MC CORMICK AND ASSOCIATES, INC.
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CITY BERYN
STATE PENNSYLVANIA
ZIP CODE 19312

FILE NAME ENVIRONMENTAL QUALITY OF JAMAICA BAY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, N.Y. BIGHT,
JAMAICA BAY
ABSTRACT THE ENVIRONMENTAL QUALITY OF JAMAICA BAY HAS BEEN
UNDER INVESTIGATION SINCE 1970. APPROXIMATELY 140 STATIONS HAVE BEEN SAMPLED,
OF WHICH 80 STATIONS ARE IN THE BAY PROPER, 37 ARE IN BASINS ALONG THE BAY'S
NORTHERN AND EASTERN SHORE, AND 20 ARE IN ROCKAWAY INLET AND THE ADJACENT
OCEAN. WATER ANALYSIS, SEDIMENT ANALYSIS AND BENTHIC AND PLANKTONIC SURVEYS
HAVE BEEN DONE AT EACH STATION. THE WATER SAMPLES ARE COLLECTED 1 METER BELOW
THE SURFACE AND 1 METER OFF THE BOTTOM. THE PARAMETERS DETERMINED ARE
ELECTRICAL CONDUCTIVITY, TEMPERATURE, DISSOLVED OXYGEN, CHLORINITY,
BIOCHEMICAL OXYGEN DEMAND, SECCHI DISC DEPTH, ORTHOPHOSPHATE AND NITRITE.
SEDIMENTS ARE ANALYZED FOR MERCURY, ARSENIC, SELENIUM, LEAD, CHROMIUM, NICKEL,
ZINC, COPPER, COBALT, CADMIUM, SILVER, VANADIUM AND MOLYBDENUM. SIZE ANALYSIS
AND CLAY MINERALOGY ARE ALSO DETERMINED.

NAME WILLIAM HARRIS
PHONE NUMBER 212 780 5417
INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, BROCKLYN COLLEGE
CITY BROCKLYN
STATE NEW YORK
ZIP CODE 11210

FILE NAME ENVIRONMENTAL QUALITY OF NEW YORK BIGHT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, N.Y. BIGHT
 ABSTRACT THE ENVIRONMENTAL QUALITY OF THE NEW YORK BIGHT HAS
 BEEN UNDER INVESTIGATION SINCE 1970. APPROXIMATELY 130 STATIONS HAVE BEEN
 SAMPLED, AND ARE SITUATED IN THE HUDSON CHANNEL, THE ATLANTIC BEACH SHELF, THE
 SLUDGE DISPOSAL AREA AND LONG ISLAND SHELF. WATER ANALYSIS, SEDIMENT ANALYSIS
 AND BENTHIC AND PLANKTONIC SURVEYS HAVE BEEN DONE. WATER SAMPLES ARE COLLECTED
 1 METER BELOW THE SURFACE AND 1 METER OFF THE BOTTOM. THE WATER SAMPLES ARE
 ANALYZED FOR PH, TEMPERATURE, ELECTRICAL CONDUCTIVITY, DISSOLVED OXYGEN,
 ORTHOPHOSPHATES, CHLOROPHYLL A, B, C, DISSOLVED HEAVY METALS, NITRATE,
 NITRITE, CHLORINITY, ALKALINITY AND SALINITY. SEDIMENTS ARE ANALYZED FOR
 MERCURY, ARSENIC, CHROMIUM, COPPER, COBALT, NICKEL, CALCIUM, LEAD, ZINC AND
 MOLYBDENUM. SIZE ANALYSIS OF THE SEDIMENTS IS ALSO DONE.

NAME WILLIAM HARRIS
 PHONE NUMBER 212 780 5417
 INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, BROOKLYN COLLEGE
 CITY BROOKLYN
 STATE NEW YORK
 ZIP CODE 11210

FILE NAME ENVIRONMENTAL RADIATION IN NEW YORK STATE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, GREAT LAKES, N.Y.
 BIGHT
 ABSTRACT THE DEPARTMENT OF ENVIRONMENTAL CONSERVATIONS
 RADIOLOGICAL BUREAU MONITORS THE ENVIRONMENT TO DETERMINE THE LEVELS OF
 MAN-MADE RADIOACTIVITY. IN 1971 8,500 RADIOCHEMICAL ANALYSES WERE MADE ON
 2,528 SAMPLES. MUCH OF THE SAMPLING IS DONE IN THE VICINITY OF NUCLEAR
 FACILITIES AND IN THE SURROUNDING AREA. LEVELS OF RADIOACTIVITY IN AIR,
 WATER, MILK, FALLOUT, SEDIMENT AND BIOMATERIALS ARE DETERMINED.

NAME MR. EUGENE J. MICHAEL
 PHONE NUMBER 518 457 6600
 INSTITUTION OR AGENCY BUREAU OF RADIOLOGICAL POLLUTION CONTROL, NY STATE
 DEPT ENVIRONMENTAL CONSERVATION
 STREET 50 WOLF ROAD
 CITY ALBANY
 STATE NEW YORK
 ZIP CODE 12201

FILE NAME ENVIRONMENTAL RESEARCH - GREAT SOUTH BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 GREAT SOUTH BAY
 ABSTRACT 16 STATIONS IN GREAT SOUTH BAY WERE SAMPLED EVERY 3
 WEEKS FROM JUNE 1965 TO THE PRESENT FOR TURBIDITY, TEMPERATURE, SALINITY,
 DISSOLVED OXYGEN, LIGHT INTENSITY, NITRATE, TOTAL NITROGEN, SEDIMENT SIZE
 ANALYSIS AND COUNT AND SPECIES DETERMINATION OF BENTHIC PLANTS.

NAME KENNETH L. EKOFZNER
 PHONE NUMBER 516 751 7900
 INSTITUTION OR AGENCY NY STATE DEPT OF ENVIRONMENTAL CONSERVATION, SUNY
 STREET BUILDING 40
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11750

FILE NAME ENVIRONMENTAL RESEARCH - MERRICHES BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 MERRICHES BAY
 ABSTRACT 6 STATIONS IN MERRICHES BAY WERE SAMPLED ONCE EVERY
 3 WEEKS FROM APRIL 1973 TO THE PRESENT FOR TURBIDITY, TEMPERATURE, SALINITY,
 DISSOLVED OXYGEN, LIGHT INTENSITY, NITRATE, TOTAL NITROGEN, SEDIMENT SIZE
 ANALYSIS AND COUNT AND SPECIES DETERMINATION OF BENTHIC PLANTS.

NAME KENNETH L. EKOFZNER
 PHONE NUMBER 516 751 7500
 INSTITUTION OR AGENCY NY STATE DEPT OF ENVIRONMENTAL CONSERVATION, SUNY
 STREET BUILDING 40
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11750

FILE NAME ENVIRONMENTAL RESEARCH - SHINNECOCK BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 SHINNECOCK BAY
 ABSTRACT 6 STATIONS IN SHINNECOCK BAY WERE SAMPLED EVERY 3
 WEEKS FROM APRIL 1973 TO THE PRESENT FOR TURBIDITY, TEMPERATURE, SALINITY,
 DISSOLVED OXYGEN, LIGHT INTENSITY, NITRATE, TOTAL NITROGEN, SEDIMENT SIZE
 ANALYSIS, COUNT AND SPECIES DETERMINATION OF BENTHIC PLANTS.

NAME KENNETH L. EKOFZNER
 PHONE NUMBER 516 751 7900
 INSTITUTION OR AGENCY NY STATE DEPT OF ENVIRONMENTAL CONSERVATION, SUNY
 STREET BUILDING 40
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11750

FILE NAME ENVIRONMENTAL RESPONSES TO THERMAL DISCHARGE, FROM
 INDIAN RIVER STATION, INDIAN RIVER, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE,
 INDIAN RIVER
 ABSTRACT STUDIES RELATIVE TO THE ENVIRONMENTAL EFFECTS OF
 THE INDIAN RIVER POWER STATION OF THE DELMARVA POWER AND LIGHT COMPANY ON THE
 INDIAN RIVER ESTUARY WERE INITIATED IN 1966 AS A RESULT OF INTEREST ON THE
 PART OF THE DELMARVA POWER AND LIGHT COMPANY IN COLLECTION OF BIOLOGICAL FIELD
 DATA FROM THE INDIAN RIVER POWER STATION. IN 1967 THE STUDIES WERE ADDED TO
 THE EDISON ELECTRIC INSTITUTE COOLING WATER RESEARCH PROJECT (RP-49) OF THE
 JOHNS HOPKINS UNIVERSITY. THE STUDIES HAVE INVOLVED A DETAILED EXAMINATION OF
 WATER QUALITY AND NUTRIENTS IN ADDITION TO TEMPERATURE IN THE INDIAN RIVER
 ESTUARY. FISHERIES DATA WERE COLLECTED IN THE INDIAN RIVER TO STUDY THE NORMAL
 DISTRIBUTION OF ADULT AND JUVENILE FISHES OF BOTH RESIDENT AND MIGRATORY
 SPECIES AS WELL AS THE DISTRIBUTION RELATIVE TO THE THERMAL DISCHARGES FROM
 THE INDIAN RIVER POWER STATION. STUDIES ON THE SPECIES COMPOSITION AND
 DISTRIBUTION BENTHIC INVERTEBRATES HAVE ALSO BEEN CONDUCTED IN THE VICINITY OF
 THE INDIAN RIVER POWER STATION. PLANKTONIC INVESTIGATIONS HAVE INVOLVED
 POPULATION AND DIVERSITY STUDIES IN THE ESTUARY, AND HAVE BEEN AUGMENTED BY
 ENTRAPMENT STUDIES OF THE EFFECT OF PASSING MICROSCOPIC ORGANISMS THROUGH THE
 CONDENSER SYSTEM OF THE POWER STATION.

NAME HUDSON F. HOEN
 PHONE NUMBER 302 425 3454
 INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT COMPANY
 STREET 800 KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19855

FILE NAME ENVIRONMENTAL SURVEY OF AN INTERIM OCEAN DUMPSITE
 MIDDLE ATLANTIC BIGHT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC CONTINENTAL SHELF, U.S., MIDDLE
 ATLANTIC BIGHT, CHESAPEAKE BIGHT, INTERIM OCEAN DUMPSITE
 ABSTRACT A SURVEY CRUISE WAS MADE TO A PROPOSED INTERIM
 SLUDGE DUMPING SITE ON THE CONTINENTAL SHELF IN THE MIDDLE ATLANTIC BIGHT IN
 MAY 1973. OBSERVATIONS WERE MADE OF CIRCULATION PATTERNS, SEDIMENT
 COMPOSITION, BATHYMETRY, WATER QUALITY, HEAVY METALS IN SEDIMENTS AND BIODI-
 RECTOLOGY, PHYTOPLANKTON COMMUNITIES, ZOOPLANKTON COMMUNITIES, VERTEBRATES
 AND BENTHIC INVERTEBRATES AT TEN STATIONS IN AND AROUND THE DUMPSITE AREA.

NAME HAROLD D. PALMER
 PHONE NUMBER 301 765 1000
 INSTITUTION OR AGENCY WESTINGHOUSE OCEAN RESEARCH LABORATORY
 STREET P.O. BOX 1771
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME ENVIRONMENTAL SURVEY OF AN INTERIM OCEAN DUMPSITE
 MIDDLE ATLANTIC BIGHT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC CONTINENTAL SHELF, U.S., MIDDLE
 ATLANTIC BIGHT, CHESAPEAKE BIGHT, INTERIM OCEAN DUMPSITE
 ABSTRACT A SUPPLEMENTAL WATER SAMPLING PIGGYBACK CRUISE WAS
 MADE TO THE INTERIM SLUDGE DUMPSITE 13-14 JULY 1973, AFTER DUMPING HAD ALREADY
 COMMENCED. WATER SAMPLING WAS DONE AT ONE STATION WITHIN THE DUMPSITE FROM THE
 TUG MARY ANN.
 NAME HAROLD D. PALMER
 PHONE NUMBER 301 765 1000
 INSTITUTION OR AGENCY WESTINGHOUSE OCEAN RESEARCH LABORATORY
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME EPIFAUNAL STUDIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 NEW JERSEY, STONE HARBOR
 ABSTRACT 1 STATION LOCATED AT STONE HARBOR, NEW JERSEY WAS
 SAMPLED FROM OCTOBER 1972 TO THE PRESENT FOR COUNT AND TAXONOMIC LIST OF
 BENTHIC ANIMALS AND PLANTS.
 NAME SIDNEY S. HERMAN, DIRECTOR
 PHONE NUMBER 215 651 7000 X5E3
 INSTITUTION OR AGENCY THE WETLANDS INSTITUTE
 STREET LEHIGH UNIVERSITY
 CITY BETHLEHEM
 STATE PENNSYLVANIA
 ZIP CODE 18015

FILE NAME EPIZOOTIOLOGY OF OYSTER DISEASES IN CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, LOWER CHESAPEAKE
 BAY, VIRGINIA TRIBUTARIES, WESTERN SHORE OF BAY
 ABSTRACT MORTALITY RATES OF OYSTERS IN THE LOWER CHESAPEAKE
 BAY REGION HAVE BEEN DETERMINED BY TRAY COUNTS AND SAMPLING FROM PUBLIC AND
 PRIVATE OYSTER BEDS SINCE 1950. PREVALENCE OF DISEASE ORGANISMS IN OYSTERS
 DERMOCYSTIDIUM MARINUM, MINCHINIA NELSONI, MINCHINIA COSTALE HAS BEEN STUDIED
 BY SAMPLING OYSTER TRAYS AND OYSTER BEDS SINCE 1950, 1959, AND 1960
 RESPECTIVELY. THE SAMPLES OF OYSTERS OBTAINED FOR DISEASE DIAGNOSIS OVER
 THESE PERIODS OF TIME HAVE RESULTED IN A PERMANENT COLLECTION OF OVER 15000
 SECTIONED AND STAINED SLIDES. ALL CAPERS ON TRAY LOTS EXAMINED FOR ANY
 DISEASES, LIVE OYSTERS ON TRAY LOTS EXAMINED IN SAMPLE SIZE OF 25 ONE TO FIVE
 TIMES EACH YEAR FOR SPECIFIC DISEASE ORGANISMS
 NAME DR. JAY D. ANDREWS
 PHONE NUMBER 804 642 2111 X67
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester Point
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME ERCSION OF THE NORTH SHORE OF LONG ISLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, NORTH SHORE
 OF LONG ISLAND
 ABSTRACT THIS FILE IS A COMPREHENSIVE STUDY OF THE RATE OF
 EROSION ON THE ENTIRE NORTH SHORE OF LONG ISLAND. AS SHORELINE DEVELOPMENT IN
 THE BI-COASTAL REGION WILL INCREASE IN THE FUTURE. SHORT AND LONG RANGE PLANS
 ARE PROPOSED FOR THE SHORELINE AREAS AND PARAMETERS STUDIED INCLUDE ALL TYPES
 OF BEACH PROCESSES, TIDAL INFLUENCES, METEOROLOGICAL INFLUENCES, EROSION RATES
 AND OCEANIC INFLUENCES.

NAME DR. L. S. DAVIES
 PHONE NUMBER 516 246 3367
 INSTITUTION OR AGENCY STATE UNIVERSITY OF NEW YORK, MARINE SCIENCES
 RESEARCH CENTER
 STREET SOUTH CAMPUS
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11790

FILE NAME ERTS PHOTOGRAPHIC IMAGES OF THE CHESAPEAKE AND
 DELAWARE BAY REGIONS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY,
 DELAWARE BAY
 ABSTRACT PHOTOGRAPHIC IMAGES TAKEN BY SATELLITE OF THE
 CHESAPEAKE AND DELAWARE BAY COASTAL REGIONS ARE AVAILABLE AT COST AS PRINTS OR
 TRANSPARENCIES. THE FOLLOWING IMAGES WITH DATES ARE OF THESE GENERAL REGIONS:
 107915133, OCT 10, 1972; 113315141, DEC 3, 1972; 113315144, DEC 3, 1972;
 116715140, JAN 26, 1973; 118715142, JAN 26, 1973; 120515141, FEB 13, 1973;
 120515144, FEB 13, 1973; 131315141, JUN 1, 1973; 134515134, JUL 7, 1973;
 134515141, JUL 7, 1973; 138515131, AUG 12, 1973; 138515134, AUG 12, 1973;
 140315125, AUG 30, 1973; 140315132, AUG 30, 1973

NAME PHOTO DOCUMENTATION AREA
 PHONE NUMBER 202 655 4000
 INSTITUTION OR AGENCY NCAA-NESS
 STREET FCB AC. 4
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20233

FILE NAME ESTIMATED NUMBERS AND SPECIES OF ANADROMOUS AND
 SEMIANADROMOUS FISHES SPAWNING IN TYPE 7 MARSH AREAS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, COASTAL,
 MARYLAND, CHOPTANK RIVER
 ABSTRACT EXTENSIVE NUMERIC AND BIOLOGICAL DATA ON
 ANADROMOUS AND SEMIANADROMOUS FISHES PASSING A FISH WEIR IN CHOPTANK RIVER
 ABOVE ZONE OF TIDAL INFLUENCE. TAGGING STUDY AND POPULATION ESTIMATES
 INCLUDED. 2 YEAR STUDY.

NAME W.R. CARTER
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAWES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME ESTIMATES OF LAND IN FORMS BY MUNICIPALITY AND
 COUNTY, NEW JERSEY, 1971 - SPECIAL REPORT NUMBER 18
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT ESTIMATES OF LAND USE IN NEW JERSEY BY MUNICIPALITY
 AND COUNTY ARE RECORDED IN THIS 1971 SURVEY. THE REPORT SPECIFICALLY GIVES
 VALUES FOR THE AMOUNT OF TOTAL CROPLAND HARVESTED, TOTAL PERMANENT
 PASTURELAND, TOTAL PASTURED CROPLAND, TOTAL WOODLAND, TOTAL LAND IN FARMS AND
 TOTAL PERCENT OF LAND IN FARMS.

NAME FOREST MANAGEMENT SECTION CHIEF
 PHONE NUMBER 609 252 2531
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENT; BUREAU OF
 FORESTRY
 STREET LABOR AND INDUSTRY BUILDING
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME ESTIMATING SPECIES AND COMMUNITIES IN THE FISH
POPULATION OF SUSQUEHANNA FLATS NURSERY AREA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND,
COASTAL, SUSQUEHANNA FLATS
ABSTRACT EXTENSIVE COLLECTIONS OF JUVENILE AND YOUNGER AGE
GROUP FISHES UTILIZING THE SUSQUEHANNA FLATS AREA AS A FEEDING GROUND AND
NURSERY AREA. LENGTH, WEIGHT, NUMBERS, SPECIES COMPOSITION AND BIOMASS DATA
FOR FISH COMMUNITY DESCRIPTION. GROWTH DATA FOR JUVENILE ALEWIFE, BLUEBACK,
AND AMERICAN SHAD, SCALE READINGS AND CALCULATED GROWTH FOR WHITE PERCH,
YELLOW PERCH, AND PUMPKINSEED SUNFISH. INFORMATION CORRELATED TO AND
RETRIEVABLE ACROSS 33 PARAMETERS OR RANGES WITHIN EACH PARAMETER OR
COMBINATION.

NAME M.R. CARTER
PHONE NUMBER 301-267-5361
INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
STREET TAKES STATE OFFICE BUILDING
CITY ANNAPOLIS
STATE MARYLAND
ZIP CODE 21401

FILE NAME ESTIMATION OF TOTAL LENGTH IN STRIPED BASS VIA
MEASUREMENT OF VERTEBRAL AND FILLET LENGTHS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
GREAT BAY AND LITTLE EGG HARBOR
ABSTRACT A STUDY WAS CONDUCTED FROM APRIL 1973 TO MAY 1974
OF THE RELATIONSHIPS OF TOTAL LENGTH, FORK LENGTH, STANDARD LENGTH, FILLET
LENGTH, AND VERTEBRAE LENGTH OF STRIPED BASS CAUGHT IN GREAT BAY AND LITTLE
EGG HARBOR, NEW JERSEY.

NAME PRINCIPAL FISHERIES BIOLOGIST
PHONE NUMBER 609 652 9585
INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
DIVISION OF FISH, GAME AND SHELLFISH, BUREAU OF FISHERIES
STREET NACOTE CREEK RESEARCH STATION
CITY ABSECON
STATE NEW JERSEY
ZIP CODE 08201

FILE NAME ESTUARINE BENTHIC SURVEY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
ABSTRACT VEGETATIVE SURVEY OF OCEANSIDE EASTERN SHORE
MARYLAND AND TRIIBUTARIES ANNUAL FALL SURVEY OF WATERFOWL HABITAT. DATA
INCLUDES 1959-1961 SEASONS. VEGETATION-VOLUMES AND SPECIES, BENTHIC
ANIMALS-COUNTS AND SPECIES LISTS PER STATION

NAME VERACIA STIGTS
PHONE NUMBER 301-267-5195
INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
STREET TAKES STATE OFFICE BUILDING
CITY ANNAPOLIS
STATE MARYLAND
ZIP CODE 21401

FILE NAME EUTROPHICATION STUDIES IN THE PAMLICO RIVER,
ALBERMARLE SOUND, AND NEUSE RIVER, NORTH CAROLINA.
GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., NORTH CAROLINA,
PAMLICO RIVER, ALBERMARLE SOUND, NEUSE RIVER
ABSTRACT EUTROPHICATION STUDIES FOR THE PAMLICO RIVER WERE
BEGUN IN 1966, FOR THE ALBERMARLE SOUND AND NEUSE RIVER STUDIES WERE BEGUN IN
1970. PARAMETERS MONITORED INCLUDE, TEMPERATURE, SALINITY, DISSOLVED OXYGEN,
PHOSPHORUS, NITROGEN, AND CHLOROPHYLL. 30 STATIONS IN THE PAMLICO WERE SAMPLED
BIWEEKLY, 15 STATIONS IN THE NEUSE RIVER, AND 15 STATIONS IN THE ALBERMARLE
SOUND WERE SAMPLED MONTHLY.

NAME JOHN E. HOBBS
PHONE NUMBER 919 737 2569
INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
STREET DEPARTMENT OF ZOOLOGY
CITY RALEIGH
STATE NORTH CAROLINA
ZIP CODE 27607

FILE NAME EVALUATION OF CATCHABLE TROUT STOCKING PROGRAM IN
DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT DATA COLLECTED DURING AN EVALUATION CARRIED OUT
FROM 1971 TO 1973 ON THE CATCHABLE TROUT STOCKING PROGRAM IN DELAWARE ARE
PRESENTED IN REPORT FORM. EMPHASIZED IN THE STUDY ARE THE PERCENT CATCH OF
STOCKED TROUT BY SPORT FISHERMAN IN 12 FLY AND TAKE STREAMS AND THEREFORE THE
SUCCESSFULNESS OF THE STOCKING PROGRAM.

NAME STAFF - DIVISION OF FISH AND WILDLIFE
PHONE NUMBER 302 678 4431
INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
ENVIRONMENTAL CONTROL
STREET D STREET
CITY DOVER
STATE DELAWARE
ZIP CODE 19901

FILE NAME EVALUATION OF CHANNELIZATION EFFECTS ON AQUATIC
 HABITAT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, COASTAL,
 MARYLAND, EASTERN SHORE
 ABSTRACT EXTENSIVE DATA BASE ON 19 CHANNELIZED STREAMS
 INCLUDING WATER CHEMISTRY, BENTHOS, AND FISHES. COMPARISONS ACROSS STREAMS
 BASED UPON TIME SINCE CHANNELIZED. DETERMINATION OF RECOVERY TIME AND SEQUENCE
 OF BICTA AND CHEMICAL FACTORS.
 NAME W. P. CARTER
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAKES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME EVALUATION OF THE CHANNEL CATFISH, ICTALURUS
 PUNCTATUS RAFINESQUE, IN NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT A STUDY WAS CONDUCTED IN NEW JERSEY LAKES FROM
 APRIL 1953 THROUGH MARCH 1971 TO DETERMINE THE VALUE OF CHANNEL CATFISH,
 ICTALURUS PUNCTATUS, AS A SPORT FISH. THE REPRODUCTIVE SUCCESS OF STOCKED FISH
 WAS EVALUATED IN ONE LAKE. BIOASSAYS WERE PERFORMED ON THE CATFISH IN EIGHT
 ACID WATER LAKES. DESCRIPTION OF SPORT FISHERIES ACTIVITIES INVOLVING STOCKED
 CATFISH WAS OBTAINED.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME EVALUATION OF TWO NEW ORGANOPHOSPHORUS INSECTICIDES
 FOR MOSQUITO CONTROL IN DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT PRESENTED IN REPORT FROM ARE DATA COLLECTED DURING
 FIELD AND LABORATORY STUDIES CONDUCTED IN DELAWARE DURING 1960 AND 1961 TO
 EVALUATE THE EFFECTS OF TWO NEW ORGANOPHOSPHORUS INSECTICIDES, DIBROM AND
 BAYTEX, ON THE SALT MARSH MOSQUITO Aedes sollicitans. EMPHASIZED ARE THE
 EFFECTS OF THESE INSECTICIDES AS LARVICIDES. THE LEVELS OF RESISTANCE OF
 DELAWARE POPULATIONS OF A. SOLLICITANS TO B+C AND D+T ARE ALSO GIVEN.
 NAME MCFRIS LITERARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME EVALUATION OF WINTER TROUT STOCKING PROGRAMS IN
 ROUND VALLEY AND SPRUCE RUN RESERVOIRS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, HUNTERDON COUNTY,
 SPRUCE RUN RESERVOIR, ROUND VALLEY RESERVOIR
 ABSTRACT A STUDY WAS CONDUCTED IN ROUND VALLEY AND SPRUCE
 RUN RESERVOIRS, NEW JERSEY, FROM JANUARY 1971 THROUGH DECEMBER 1975 TO EVALUATE
 WINTER (NOVEMBER THROUGH FEBRUARY) STOCKINGS OF TROUT IN COMPARISON TO THE
 REGULAR PRE-SEASON (MARCH) STOCKINGS IN RELATION TO (1) CONTRIBUTION TO THE
 UPCOMING TROUT SEASON BEGINNING IN APRIL AND (2) POSSIBLE BENEFITS IN TROUT
 GROWTH. THE RELATIVE MERITS OF BROOK TROUT, BROWN TROUT, AND RAINBOW TROUT
 WERE COMPARED.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISH, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

G I P S Y - UNIVERSITY OF OKLAHOMA 5:01 P.M. TUESDAY SEPTEMBER 4, 1979

FILE NAME EVAPOTRANSPIRATION FROM LOWLAND VEGETATION
 COMMUNITIES OF THE NEW JERSEY PINE BARRENS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, LEBANON STATE
 FOREST

ABSTRACT EVAPOTRANSPIRATION FROM THE THREE LOWLAND
 VEGETATION COMMUNITIES (SHRUB, HARDWOOD SWAMP, AND CEDAR SWAMP) OF THE NEW
 JERSEY PINE BARRENS WAS MEASURED BY LYSIMETERS IN THE SHRUB COMMUNITY, AND
 ANALYSIS OF THE WATER TABLE FLUCTUATIONS IN THE TREE COMMUNITIES. RATES OF
 EVAPOTRANSPIRATION WERE COMPARED FOR THE THREE COMMUNITIES.

NAME REFERENCE LIBRARIAN
 PHONE NUMBER 201 732 1766
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME EXCHANGE OF NUTRIENTS AND SALINITY BETWEEN EAST
 RIVER AND LONG ISLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, NEW YORK BIGHT, EAST
 RIVER

ABSTRACT THE RESEARCH INVOLVES THE EXCHANGE OF WATERS,
 NUTRIENTS, AND SALINITY BETWEEN THE UPPER EAST RIVER AND LONG ISLAND SOUND.
 WINTER, SPRING AND SUMMER SEASONAL DATA WAS COLLECTED AND ANALYZED BETWEEN
 JANUARY AND AUGUST 1972. CURRENTS, SALINITY, PHOSPHATE, AND DISSOLVED OXYGEN
 WERE MEASURED ALONG A CROSS-SECTION SEPARATING THE UPPER EAST RIVER FROM LONG
 ISLAND SOUND AT SEVERAL DEPTHS. THE DATA WAS COLLECTED OVER A COMPLETE
 SEMIDIURNAL TIDAL CYCLE FOR TEN SEPARATE EXPERIMENTS. SAMPLING WAS DONE EVERY
 FOUR HOURS DURING THE TIDAL CYCLE.

NAME DR. JOSEPH LONGOBARDI
 PHONE NUMBER 212 892 3000
 INSTITUTION OR AGENCY SUNY MARITIME COLLEGE, SCIENCE DEPARTMENT
 STREET FORT SCHUYLER
 CITY BRONX
 STATE NEW YORK
 ZIP CODE 10465

FILE NAME EXISTING ENVIRONMENTAL CONDITIONS FOR THE PROPOSED
 IMPROVEMENT TO THE GARDEN STATE PARKWAY AND ROUTE 9, OCEAN COUNTY, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, OCEAN
 COUNTY, TONS RIVER

ABSTRACT THIS REPORT CONTAINS PHYSICAL, BIOLOGICAL, AND
 WATER QUALITY INFORMATION ON THE EXISTING ENVIRONMENTAL CONDITIONS IN AUGUST
 1973 IN THE AREA OF PROPOSED GARDEN STATE PARKWAY AND ROUTE 9 IN OCEAN COUNTY,
 NEW JERSEY. PARAMETERS, MEASURED IN A SINGLE SURVEY, INCLUDE TEMPERATURE,
 SALINITY, CONDUCTIVITY, PH, DISSOLVED OXYGEN, TURBIDITY, DISSOLVED AND
 SETTLEABLE SOLIDS, COUNTS AND SPECIES DETERMINATIONS OF FISH, INVERTEBRATES,
 AQUATIC PLANTS, BIRDS, MAMMALS, AND LAND PLANTS.

NAME JACK MC CERRICK
 PHONE NUMBER 215 647 9000
 INSTITUTION OR AGENCY JACK MC CERRICK AND ASSOCIATES, INC.
 STREET 511 OLD LANCASTER ROAD
 CITY BETHUN
 STATE PENNSYLVANIA
 ZIP CODE 19312

FILE NAME EXTINCTION AND THE REGULATION OF THE NUMBER OF
 BREEDING BIRD SPECIES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, KENT COUNTY, TIDAL
 MARSH AREAS

ABSTRACT THE EXTINCTION AND THE REGULATION OF THE NUMBER OF
 BREEDING BIRD SPECIES ON 17 WOODED TIDAL MARSH ISLANDS IN CENTRAL DELAWARE
 WERE INVESTIGATED FROM 1962 TO 1965. ANNUAL OBSERVATIONS WERE MADE ON EACH
 ISLAND OF THE NUMBERS OF INDIVIDUALS PER SPECIES OF BIRDS LIVING ENTIRELY OFF
 THE ISLANDS. EACH ISLAND'S AREA AND PATCHINESS OF VEGETATION WERE RECORDED.
 INTERLIBRARY LOAN OFFICE THE CHARLES PATTERSON VAN

NAME PELT LIBRARY
 PHONE NUMBER 215 243 1558
 INSTITUTION OR AGENCY UNIVERSITY OF PENNSYLVANIA
 STREET 36TH STREET AND WALNUT STREET
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19104

FILE NAME EXXON RESEARCH AIR MONITORING STATION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, UNION COUNTY,
 LINDEN
 ABSTRACT EXXON CORPORATION MONITORED SEVERAL POLLUTANTS FOR
 A ONE AND ONE-HALF YEAR PERIOD IN 1976 AND 1977 AT THEIR LINDEN, NEW JERSEY
 REFINERY. AVERAGE MONTHLY READINGS WERE RECORDED IN THE REPORT FOR SULFUR
 DIOXIDE, OZONE, NITROGEN DIOXIDE, CARBON MONOXIDE, AND HYDROCARBONS, WHILE
 READINGS WERE RECORDED EVERY SIX DAYS FOR SUSPENDED SULFATE AND SUSPENDED
 PARTICULATES. WEATHER DATA WAS ALSO RECORDED SO THAT AMOUNTS OF POLLUTANTS AND
 WEATHER CONDITIONS COULD BE ASSOCIATED.
 NAME SENIOR ENVIRONMENTAL SPECIALISTS
 PHONE NUMBER 609 252 6723
 INSTITUTION OR AGENCY NEW JERSEY BUREAU OF AIR POLLUTION CONTROL
 STREET LABOR AND INDUSTRY BUILDING
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME FACTORS AFFECTING ACCUMULATION, TISSUE
 DISTRIBUTION, AND ELIMINATION OF MERCURY IN THE AMERICAN OYSTER, CRASSOSTREA
 VIRGINICA (GMELIN)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, MISPELLION
 RIVER, COASTAL
 ABSTRACT OYSTERS, CRASSOSTREA VIRGINICA WERE EXPOSED FOR 3
 DAYS TO 203MG/L2 OF CF3 203MG/L ADDED DIRECTLY TO ARTIFICIAL SEA WATER OR
 ADDED PRECONCENTRATED ON THE MARINE DIATOM, PHAEOCTYLUM TRICORNUTUM. THE
 CONCENTRATION OF 203MG IN FIVE TISSUES WAS MEASURED FOR 45 DAYS AFTER MERCURY
 WAS REMOVED FROM THE AMBIENT WATER. TO STUDY THE KINETICS OF MERCURY UPTAKE
 IN OYSTERS, ADULT CRASSOSTREA VIRGINICA (GMELIN) WERE HELD IN SEA WATER
 CONTAINING EITHER 10PPB OR 100PPB MERCURY FOR 45 DAYS. MERCURY CONCENTRATIONS
 IN TISSUES WERE DETERMINED BY ANALYSIS OF INDIVIDUALLY HOMOGENIZED OYSTER
 MEATS USING WET DIGESTION AND FLAMELESS ABSORPTION SPECTROPHOTOMETRY.
 NAME LIBRARIAN
 PHONE NUMBER 302 645 667
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME FACTORS EFFECTING HERON AND EGRET REPRODUCTION ON
 PEA PATCH ISLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE BAY,
 PEA PATCH ISLAND
 ABSTRACT THE DATA IN THIS STUDY IS DERIVED FROM A SURVEY OF
 HERONS AND EGRETS AND THE FACTORS EFFECTING THEIR REPRODUCTION ON PEA PATCH
 ISLAND IN THE DELAWARE BAY ESTUARY. THE STUDY, UNDERTAKEN FROM MAY UNTIL
 SEPTEMBER 1975 AND CONTINUING IN 1976, PROVIDED QUALITATIVE AND QUANTITATIVE
 DATA ON FLIGHT ROUTES, MORTALITIES, PATCH AND CLUTCH SIZE, GROWTH AND FEEDING
 RATES, FLEDGING SURVIVORSHIP, FLOCKING AND FEEDING, SPECIES DIVERSITY
 FREQUENCY AND COMPOSITION, PREDATION AS EFFECTED BY EXTERNAL INFLUENCES, AND
 NESTING SUCCESS. SPECIES INCLUDE GREAT BLUE HERON GLOSSYLLAIS, GREAT EGRET,
 LITTLE BLUE HERON, SNOWY EGRET, LOUISIANA HERON, BLACK CR., NIGHT HERON,
 YELLOW CR. HERONS.

NAME HUSEN P. FEN
 PHONE NUMBER 302 429 3494
 INSTITUTION OR AGENCY DELMARVA POWER AND LIGHT COMPANY
 STREET 800 KING STREET
 CITY WILMINGTON
 STATE DELAWARE
 ZIP CODE 19855

FILE NAME FACTORS INFLUENCING POPULATION SIZE OF BLUE CRABS -
 MIGRATION OF JUVENILES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 TANGIER SOUND, PETCHMAC RIVER, FAULTEN RIVER
 ABSTRACT STATIONS IN THE UPPER PORTION OF THE CHESAPEAKE BAY
 ARE SAMPLED WEEKLY OR BIWEEKLY FROM MAY 1 TO OCT 1 FOR BLUE CRABS
 NAME STEFFEN C. SULKIN
 PHONE NUMBER 301 326 4281 X66
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SCLIPONS
 STATE MARYLAND
 ZIP CODE 20688

FILE NAME FACTORS INFLUENCING THE DISTRIBUTION OF A MELAMPUS
 BICENTATUS POPULATION AT CHEESELAKE MARSH
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, CHEESELAKE
 ABSTRACT THIS PAPER INVESTIGATES THE FACTORS AFFECTING
 DISTRIBUTION OF MELAMPUS BICENTATUS IN THE CHEESELAKE SALT MARSH IN
 CHEESELAKE, NEW JERSEY. THE FACTORS CONSIDERED ARE TEMPERATURE, SALINITY,
 TIDAL CYCLES AND FLORA.
 NAME REFERENCE LIBRARIAN
 PHONE NUMBER 201 732 1764
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME FALL PANICUM (PANICUM DICHOTOMIFLORUM MICHX.)
 GROWTH, COMPETITION, AND CONTROL
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT DATA COLLECTED DURING STUDIES CONDUCTED IN 1968 ON
 THE GROWTH OF FALL PANICUM IN SEVERAL ENVIRONMENTS, AND ITS COMPETITION AND
 CONTROL IN FIELD CORN IN DELAWARE ARE PRESENTED IN REPORT FORM. GREENHOUSE,
 GROWTH CHAMBER AND FIELD EXPERIMENTS WERE UTILIZED IN THESE STUDIES.
 NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 15711

FILE NAME FAR-FIELD SEWAGE RELEASE SIMULATIONS MID-ATLANTIC
 EIGHT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., MID-ATLANTIC
 EIGHT REGION
 ABSTRACT THIS FILE CONTAINS HYDROGRAPHIC MEASUREMENTS OF
 CURRENTS AT 5 STATIONS IN THE MID-ATLANTIC EIGHT AREA KNOWN AS EPA REGION III
 OCEAN DISPOSAL SITE. PARAMETERS MONITORED, ON A CONTINUOUS BASIS FOR A 54 DAY
 PERIOD FROM SEPTEMBER 4, 1975, INCLUDE CURRENT SPEED AND DIRECTION, TIDAL
 RANGE AND PERIOD, AND WATER DEPTH.
 NAME STEVEN TOWNSEND
 PHONE NUMBER 215 686 3864
 INSTITUTION OR AGENCY CITY OF PHILADELPHIA WATER DEPARTMENT
 STREET MUNICIPAL SERVICES BUILDING, 15TH AND JFK BOULEVARD
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 15107

FILE NAME FAUNAL SURVEYS OF NORTH CAROLINA, DISTRIBUTIONAL
 DATA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTH CAROLINA
 ABSTRACT FAUNAL SURVEY OF NORTH CAROLINA LENTIC AND LOTIC
 ANIMALS, EXCLUDING INSECTS, INCLUDES THE ECOLOGICAL AND ETHOLOGICAL
 CHARACTERISTICS FOR EACH SPECIES. ANCILLARY INFORMATION ON TEMPERATURE,
 DISSOLVED OXYGEN, METEOROLOGIC, AND SOIL DATA AS WELL AS DISTRIBUTIONAL MAPS.
 NAME JOHN E. COOPER
 PHONE NUMBER 915 825 7451
 INSTITUTION OR AGENCY DIRECTOR OF RESEARCH AND COLLECTIONS, STATE MUSEUM
 OF NATURAL HISTORY
 STREET BOX 27647
 CITY RALEIGH
 STATE NORTH CAROLINA
 ZIP CODE 27611

FILE NAME FAUNAL VARIATION ON PELAGIC SARGASSUM
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, GULF STREAM AND
 SARGASSO SEA
 ABSTRACT DESCRIPTION AND ANALYSIS OF THE NONCOLONIAL
 MACROFAUNA ASSOCIATED WITH PELAGIC SARGASSUM COLLECTED IN LATE SUMMER, LATE
 WINTER AND EARLY SPRING FROM GULF STREAM AND SARGASSO SEA AREAS. THE 34
 SAMPLES CONTAINED 67 SPECIES AND 11,294 INDIVIDUALS
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME FECAL COLIFORM COUNTS FOR NEW JERSEY SHELLFISH AREAS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, DELAWARE BAY
 ABSTRACT THE SHELLFISH CONTROL UNIT HAS BEEN SAMPLING SINCE
 1973 IN ORDER TO RECORD FECAL COLIFORM BACTERIA COUNTS FOR THE NEW JERSEY
 ATLANTIC COAST AND DELAWARE BAY REGIONS. SEVERAL HUNDRED STATIONS HAVE BEEN
 SAMPLED 5 TO 15 TIMES PER YEAR DURING THE SUMMER AND OFTEN, OTHER SEASONS.
 NAME SUPERVISOR OF SHELLFISH CONTROL UNIT
 PHONE NUMBER 609 652 1758
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER RESOURCES, SHELLFISH CONTROL UNIT
 STREET P.O. BOX 2809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME FILARIAL WORM INCIDENCE IN AEDES CANADENSIS
 (DIPTERA: CULICIDAE) AND SYLVILAGUS FLORIDANUS MALLURUS (THOMAS) FROM A
 DELAWARE WOODLOT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEWARK
 ABSTRACT A STUDY TESTING VARIOUS MOSQUITOES FOR FILARIAL
 WORM INFESTATIONS IS PRESENTED. IT WAS FOUND THAT AEDES CANADENSIS WAS THE
 ONLY MOSQUITO SPECIES INFESTED. COMMON MAMMALS IN THE AREA WERE TESTED FOR
 FILARIAL INFESTATIONS; A LARGE PERCENT WERE POSITIVE.
 NAME INTER-LIBRARY LEAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME FISH
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY
 ABSTRACT TEN STATIONS IN THE UPPER CHESAPEAKE BAY WERE
 SAMPLED MONTHLY BY OTTER TRAWL TO DETERMINE COMPOSITION OF ADULT FISH FAUNA,
 AND TO DETERMINE ANY GROSS BENEFIT TO FISH BICFA BY DREDGING OR SPECIAL DISPOSAL
 ACTIVITIES.
 NAME DCLG RITCHIE
 PHONE NUMBER 301 326 4281 X2C
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SELCPCNS
 STATE MARYLAND
 ZIP CODE 20688

FILE NAME FISH AND FISH LARVAE COLLECTED FROM ATLANTIC
 PLANKTON CRUISES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, EASTERN SHORE, PAMUNKEY RIVER, YORK RIVER
 ABSTRACT THE COUNT, LENGTH, AND IDENTIFICATION OF PELAGIC
 FISH FROM THE PAMUNKEY AND YORK RIVERS WERE TAKEN. 18 STATIONS WERE SAMPLED
 MONTHLY FOR 23 MONTHS. DATA APPEARS IN VIMS SPECIAL SCIENTIFIC REPORT NO 33
 NAME LIBRARIAN
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME FISH COMMUNITIES AND OTHER VERTEBRATES OF NORFOLK
 CANYON-JUNE 1972
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF
 OFF VIRGINIA
 ABSTRACT EXTENSIVE COLLECTIONS OF BIOLOGICAL MATERIAL,
 OBSERVATIONS OF LIFE HISTORY, MERISTICS, AND MORPHOMETRICS, DISTRIBUTION DATA
 AND COMMUNITY STRUCTURE ANALYSIS.
 NAME J A MUSICK
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME FISH EGGS AND LARVAE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY
 ABSTRACT EGGS, LARVAE AND JUVENILES OF ESTUARINE FISHES WERE
 SAMPLED BIWEEKLY, AT FOURTEEN UPPER CHESAPEAKE BAY STATIONS, OVER A TWO YEAR
 PERIOD. THE PURPOSE OF THE INVESTIGATION WAS TO DESCRIBE ORGANISM ABUNDANCE,
 DISTRIBUTION AND MOVEMENT AND TO MONITOR ANY POSSIBLE EFFECTS OF DREDGING AND
 SPECIAL DISPOSAL ACTIVITIES.
 NAME WILLIAM L DEVEL
 PHONE NUMBER 301 326 4281
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 STREET NATURAL RESOURCES INSTITUTE
 CITY SELCPCNS
 STATE MARYLAND
 ZIP CODE 20688

FILE NAME FISH EGGS AND LARVAE OF THE UPPER CHESAPEAKE BAY
 NRI SPECIAL REPORT NO 4
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATUXENT,
 MAGOTHY, SUSQUEHANNA RIVERS, C & C CANAL
 ABSTRACT FISH EGG AND LARVAE DATA FROM 37 STATIONS IN THE
 UPPER CHESAPEAKE BAY AND SEVERAL TRIELTARIES ARE SUMMARIZED IN A REPORT FORM.
 NAME WILLIAM L DEVEL
 PHONE NUMBER 301 326 4281
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 STREET NATURAL RESOURCES INSTITUTE
 CITY SELCPCNS
 STATE MARYLAND
 ZIP CODE 20688

FILE NAME FISH EGGS, LARVAE, AND YOUNG IN THE DELAWARE RIVER
 IN THE VICINITY OF ARTIFICIAL ISLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER, COASTAL
 ABSTRACT COLLECTIONS OF EARLY LIFE HISTORY STAGES IN THE
 VICINITY OF SALEM NUCLEAR POWER STATION. GEAR USED WAS A HALF METER PLANKTON
 NET. INTENT OF STUDY WAS TO IDENTIFY AND DETERMINE THE SPATIAL AND SEASONAL
 DISTRIBUTION OF EGGS, LARVAE, AND SMALLER YOUNG FISHES. ANNUALLY REPETITIVE
 PROGRAM IS EXPECTED.
 NAME VICTOR J. SCHLEIF
 PHONE NUMBER 302 376 8069
 INSTITUTION OR AGENCY ICHTHYOLOGICAL ASSOCIATES
 STREET BOX 35 RD 2
 CITY MIDDLETOWN
 STATE DELAWARE
 ZIP CODE 19705

FILE NAME FISH KILL INVESTIGATIONS IN MARYLAND WATERS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND
 ABSTRACT REPORTED FISH KILLS IN MARYLAND WATERS, WATER
 ANALYSIS, ANALYSIS OF FISH FOR CAUSE OF DEATH, DATA FROM 221 KILLS, 72 IN 1973
 THROUGH OCTOBER 11. COUNTS, SIZES, SPECIES LISTS, VALUES FOR FISHES INVOLVED.
 NAME HOWARD KING
 PHONE NUMBER 301-267-5763
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAMES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME FISH MOVEMENTS-MARYLAND STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND
 ABSTRACT A TWENTY-SIX MONTH FISH TAGGING STUDY TO DETERMINE
 THE MOVEMENTS OF FISH IN THE CHESAPEAKE AND DELAWARE CANAL WAS CONDUCTED. TWO
 TYPES OF TAGS WERE USED: THE CARLIN TAG WAS APPLIED TO SMALL FISH (LESS THAN 1
 FOOT) AND THE PETERSEN DISC TAG WAS USED FOR LARGER FISH. MIGRATION STUDIES
 WERE ALSO CONDUCTED WITH THE USE OF ULTRASONIC TRANSMITTERS.
 NAME DOUGLAS E. RITCHIE, JR.
 PHONE NUMBER 301 454 0100
 INSTITUTION OR AGENCY UNIVERSITY OF MARYLAND
 STREET NATURAL RESOURCES INSTITUTE
 CITY COLLEGE PARK
 STATE MARYLAND
 ZIP CODE 20740

FILE NAME FISH SURVEY IN THE MARYLAND PORTION OF THE
 CHESAPEAKE AND DELAWARE CANAL
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND
 ABSTRACT A TWENTY-NINE MONTH SURVEY OF THE FISH IN THE
 MARYLAND PORTION OF THE CHESAPEAKE AND DELAWARE CANAL WAS CONDUCTED.
 PARAMETERS INCLUDE COUNT AND SPECIES DETERMINATION OF EACH CATCH, HYDROGRAPHIC
 DATA, AND LENGTH/WEIGHT RATIOS OF FISH CAUGHT. A TOTAL OF 43 SPECIES WERE
 CAUGHT.
 NAME DOUGLAS E. FITCHIE JR.
 PHONE NUMBER 301 454 0100
 INSTITUTION OR AGENCY UNIVERSITY OF MARYLAND
 STREET NATURAL RESOURCES INSTITUTE
 CITY COLLEGE PARK
 STATE MARYLAND
 ZIP CODE 20740

FILE NAME FISH TAGGING DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND
 ABSTRACT FISH TAGGING DATA FROM 1960 THROUGH 1968 INCLUDED
 IN THIS FILE. RELEASE AND RECAPTURE INFORMATION FOR OVER 20000 FISH INCLUDING
 STRIPED BASS, WHITE PERCH AND 10 OTHER SPECIES. THIS IS A MASTER FILE FOR ALL
 CCEL TAGGING INFORMATION.
 NAME COLG FITCHIE
 PHONE NUMBER 301 326 4281
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SOLOMONS
 STATE MARYLAND
 ZIP CODE 20688

FILE NAME FISHERIES BIOLOGY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE,
 LITTLE ASSAWOMAN BAY, INDIAN RIVER BAY
 ABSTRACT THIS FILE CONTAINS CHEMICAL, PHYSICAL, AND
 BIOLOGICAL DATA ON 4 DIFFERENT LAGOON SYSTEMS AND ADJOINING EMBAYMENTS IN THE
 LITTLE ASSAWOMAN AND INDIAN RIVER BAYS AREA IN DELAWARE. THE DATA, TAKEN AS
 PART OF AN IMPACT STUDY OF DREDGING AND FILLING OPERATIONS, INCLUDES
 TEMPERATURE, SALINITY, DISSOLVED OXYGEN, PHOSPHORUS, NITRATE, NITRITE,
 AMMONIA, SECCHI DEPTH, CHLOROPHYLL A, FIN-FISH SURVEY, AND INVERTEBRATE SURVEY
 INFORMATION
 NAME FRANKLIN CAIBER
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME FISHES AND FISH LARVAE COLLECTED FROM ATLANTIC
 PLANKTON CRUISES OF RV PATHFINDER
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 SOUTHERN CHESAPEAKE BAY, VIRGINIA COAST AND COASTAL INLETS, VIRGINIA
 ABSTRACT FISH AND FISH LARVAE COLLECTED DURING ATLANTIC
 PLANKTON CRUISES OF RV PATHFINDER WERE MEASURED AT 12 STATIONS MONTHLY FOR 1
 YEAR. POSITION OF STATIONS IN VIMS SPECIAL SCIENTIFIC REPORT NO 18; DATA IN
 REPORT NO 26
 NAME LIBRARIAN
 PHONE NUMBER 703-642-2111 X15
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester Point
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME FISHES OF MARGOTHY BAY, VIRGINIA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, VIRGINIA, MARGOTHY BAY
 ABSTRACT SURVEY OF FISH AND FOOD HABITS OF FISH FOUND IN
 MARGOTHY BAY, VA. AREA SURVEYED ON A MONTHLY BASIS.
 NAME RAY EIRCSONG
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME FISHES TAKEN BY SEINE IN THE CHESAPEAKE AND
 DELAWARE CANAL AND ADJACENT WATERS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER, COASTAL
 ABSTRACT BEACH SEINE SURVEY OF THE C AND D CANAL AREA AND
 ADJACENT WATERS DURING 1971 CONDUCTED IN CONJUNCTION WITH DELAWARE BAY FISH
 SURVEY. INTENT TO ASSESS MOVEMENTS BETWEEN CHESAPEAKE AND DELAWARE BAYS BY
 YOUNG FISHES AND USE OF CANAL AREA AS A NURSERY AREA. AN ANNUALLY REPETITIVE
 PROGRAM IS EXPECTED.

NAME VICTOR J. SCHLLER
 PHONE NUMBER 301 378 8069
 INSTITUTION OR AGENCY ICHTHYOLOGICAL ASSOCIATES
 STREET BOX 35 RD 2
 CITY MIDDLETOWN
 STATE DELAWARE
 ZIP CODE 19709

FILE NAME FLORA AND FAUNA OF WHITE CLAY CREEK AND VALLEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, PENNSYLVANIA, WHITE
 CLAY CREEK WATERSHED
 ABSTRACT THIS REPORT CONTAINS TAXONOMIC LISTS OF THE PLANTS
 AND ANIMALS FOUND IN THE WHITE CLAY CREEK WATERSHED. IT IS A COMPOSITE
 COMPILATION OF FIELD NOTES FROM SEVERAL CONTRIBUTORS DURING 1969 AND EARLY
 1970.

NAME PEGGY JAHN
 PHONE NUMBER 302 731 5774
 INSTITUTION OR AGENCY DELAWARE SIFRA CLUB
 STREET 603 CAMBRIDGE DRIVE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME FLORAL PROCESSES OF THE DUNE GRASS UNICLA PANICULATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT INVESTIGATION INTO THE FLORAL PROCESSES OF NORTH
 CAROLINA DUNE GRASS UNICLA PANICULATA WITH MATURITY OF INFLORESCENCES, SOIL
 TEMPERATURE, AND NORMAL INCIDENCE RADIATION.
 NAME LIBRARIAN
 PHONE NUMBER 919 737 3364
 INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
 STREET E.F. HILL LIBRARY
 CITY RALEIGH
 STATE NORTH CAROLINA
 ZIP CODE 27607

FILE NAME FLORISTIC AND ECOLOGICAL SURVEY OF ASSATEAGUE ISLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELMARVA PENINSULA,
 ASSATEAGUE ISLAND, COASTAL
 ABSTRACT MODERATELY INTENSIVE BOTANICAL SURVEY OF ASSATEAGUE
 ISLAND HABITAT TYPES. 3 STATIONS, 2 SITE VISITS WITH 47 LINE TRANSECTS IN DUNE
 GRASS, 58 IN TRANSITION ZONE, AND 59 IN SCRUB HABITAT. SPECIES LISTS FOR EACH
 HABITAT AND ABUNDANCE. SOME CHEMICAL MEASUREMENTS ON SOIL IN EACH HABITAT.

NAME LIBRARIAN
 PHONE NUMBER 301 454 3011
 INSTITUTION OR AGENCY MCKELCIN LIBRARY
 STREET UNIVERSITY OF MARYLAND
 CITY COLLEGE PARK
 STATE MARYLAND
 ZIP CODE 20742

FILE NAME FLOWER INITIATION, PHOTOPERIOD, AND TEMPERATURE AS
 RELATED TO PROPAGATION OF CERNUS FLORICA RUBRA BY SOFTWOOD CUTTINGS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 STUDIES CONDUCTED IN NORTHERN DELAWARE FROM 1958 TO 1959 TO DETERMINE THE DATE
 OF FLORAL INITIATION, THE NUMBER OF LONG DAYS NECESSARY TO PREVENT SUMMER
 DORMANCY, AND THE EFFECTS OF EXTENDED DAYS AND LOW TEMPERATURES IN
 OVER-WINTERING OF ROOTED CUTTINGS IN THE GREENHOUSE.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME FLUCTUATIONS IN TWO OSMOREGULATORY COMPONENTS, UREA
AND CHLORIDE, ON THE CLEARNOSE SKATE RAJA EGLANTERIA ECSE 1802, UPON
MODIFICATION OF THE SALINITY OF THE EXTERNAL MEDIUM
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE, LEWES BREAKWATER,
HAWKSNEST

ABSTRACT THE CLEARNOSE SKATE, RAJA EGLANTERIA, WAS SUBJECTED
TO DILUTIONS AND CONCENTRATIONS OF THE SALINITY OF THE EXTERNAL MEDIUM. THE
EFFECTS OF THIS TREATMENT UPON THE PLASMA UREA AND CHLORIDE CONTENT WERE
RECORDED AND CRITICALLY ANALYZED. DURING DILUTION EXPERIMENTS, SKATES WERE
TRANSFERRED INTO DIFFERENT DILUTIONS AND SACRIFICED TWO AT A TIME AT DEFINITE
INTERVALS FOR SEVENTY-ONE AND ONE-HALF HOURS. INITIALLY, THERE IS AN ACUTE
LOSS OF UREA AND CHLORIDE WHEN SKATES ARE PLACED INTO VARIOUS DILUTIONS OF
SEAWATER. AFTER THIS INITIAL LOSS, THE RATE OF LOSS BECOMES MORE GRADUAL.
ACCLIMATION TO A SALINITY OF 21.069 HAD OCCURRED BY THE END OF ABOUT FIFTY
HOURS. AN INCREASE IN BOTH UREA AND CHLORIDE ACCOMPANYING AN INCREASE IN
SALINITY, HAS BEEN OBSERVED WITH BLOOD SAMPLES COLLECTED AT HAWKSNEST DURING
ONE-HALF A TIDAL CYCLE. BECAUSE OF THE MAGNITUDE OF SALINITY CHANGE AND THE
SCARCITY OF RAYS CAPTURED, NO DEFINITE CONCLUSIONS CAN BE DRAWN.

NAME LIBRARIAN
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
CITY LEWES
STATE DELAWARE
ZIP CODE 19556

FILE NAME FOREST SURVEY IN THE SOUTHEAST FOREST INFORMATION
RETRIEVAL (FIR)
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, NORTH
CAROLINA, SOUTH CAROLINA, GEORGIA, FLORIDA.
ABSTRACT MONITORING OF FOREST RESERVES FROM AERIAL
PHOTOGRAPHY AND GROUND SAMPLING. OBSERVATIONS INCLUDE AREA PER SPECIES, VOLUME
PER SPECIES, GROWTH PER SPECIES AND MORTALITY PER SPECIES (BOTH NATURAL AND
HARVESTING).

NAME J.P. MCCLURE
PHONE NUMBER 704 258 2850
INSTITUTION OR AGENCY PROJECT LEADER; FOREST SURVEY
STREET P.O. BOX 2570
CITY ASHEVILLE
STATE NORTH CAROLINA
ZIP CODE 28801

FILE NAME FORGE RIVER- MCRICHES BAY 1966-1968
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, COASTAL, N.Y. BIGHT,
FORGE RIVER, MCRICHES BAY

ABSTRACT STUDY INVOLVED 60 STATIONS AT WHICH SAMPLES WERE
COLLECTED AND ANALYSED FOR SALINITY, TEMPERATURE, CHLOROPHYLL A,
ORTHOPHOSPHATE, NITRATE, TRANSPARENCY, AMMONIA, TOTAL NITROGEN, TOTAL CARBON
BY DEPTH FROM SURFACE TO BOTTOM.

NAME DR. JOHN P. BARLEN
PHONE NUMBER 607 256 4447
INSTITUTION OR AGENCY CORNELL UNIVERSITY
STREET 227 LANGRISH LANE
CITY ITHACA
STATE NEW YORK
ZIP CODE 14850

FILE NAME FRESH WATER INVESTIGATIONS-DELAWARE LAKE AND POND
SURVEY

GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT DATA FROM A LIMNOLOGICAL STUDY CARRIED OUT DURING
THE SUMMER OF 1953 ON 13 FRESHWATER PONDS IN DELAWARE ARE PRESENTED IN REPORT
FORM. MEASURED PARAMETERS FOR EACH POND INCLUDE AQUATIC AND SHORELINE SPECIES
OF VEGETATION, SPECIES OF FISH, ECTIC TYPE AND CERTAIN WATER QUALITY
PARAMETERS. ALSO ENCLOSED ARE SURVEY MAPS AND BATHYMETRY CHARTS OF THE PONDS.
STAFF-DIVISION OF FISH AND WILDLIFE

NAME
PHONE NUMBER 302 676 4431
INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
ENVIRONMENTAL CONTROL
STREET D STREET
CITY DOVER
STATE DELAWARE
ZIP CODE 19901

FILE NAME FUNGI ASSOCIATED WITH ROOTS OF SOYBEAN (GLYCINE
MAX) IN DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED FROM
STUDIES CONDUCTED IN DELAWARE DURING 1964 ON THE SPECIES OF FUNGI ASSOCIATED
WITH ROOT ROT IN SOYBEANS. DETERMINATIONS OF THE PATHOGENICITY OF ISOLATED
FUNGI SPECIES ON SOYBEANS BY THE INOCULUM SOIL MIXTURE METHOD ARE INCLUDED.

NAME MERRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME GAME HARVEST AND CENSUS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT HUNTER HARVEST RATES OF GAME FARM PHEASANTS AND
 QUAIL ARE REPORTED ON THREE WILDLIFE MANAGEMENT AREAS
 NAME PRINCIPAL WILDLIFE BIOLOGIST
 PHONE NUMBER 201 735 8793
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET CLINTON WILDLIFE MANAGEMENT AREA
 CITY HAMPTON
 STATE NEW JERSEY
 ZIP CODE 08827

FILE NAME GAMMA RAY ATTENUATION POROSITY OF DEEP SEA CORES
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
 ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS
 INSTITUTION OF OCEANOGRAPHY IS UNDERTAKEN ON THE ADVICE OF THE JOINT
 OCEANOGRAPHIC INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). TO DATE OSDP HAS
 TAKEN GEOLOGICAL AND GEOPHYSICAL DATA FROM THE DRILLING SHIP GLOMAR CHALLENGER
 AT 383 SITES OVER THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED
 AND ARCHIVED BY THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND
 RETRIEVAL METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE
 FROM THE GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS
 A SEPARATE FILE. SEDIMENT DENSITY AND POROSITY OF EACH CORE ARE MEASURED BY A
 GAMMA RAY ATTENUATION POROSITY EVALUATOR (GRAPE). THE GRAPE DATA ARE RECORDED
 DIRECTLY FROM THE MACHINE ONTO MAGNETIC TAPE. DATA ARE ESSENTIALLY CONTINUOUS
 (450 COUNTS PER 1.5 M CORE SECTION). DATA FROM LEGS 1-20 WERE DIGITIZED FROM
 AN ANALOG STRIP.
 NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3526
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF
 OCEANOGRAPHY
 STREET P.O. BOX 1529
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92093

FILE NAME GAS CHROMATOGRAPHY OF DEEP SEA CORES
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
 ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS
 INSTITUTION OF OCEANOGRAPHY IS AFFILIATED WITH THE JOINT OCEANOGRAPHIC
 INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). OSDP HAS TAKEN GEOLOGICAL AND
 GEOPHYSICAL DATA FROM THE DRILLING SHIP GLOMAR CHALLENGER AT 383 SITES OVER
 THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED AND ARCHIVED BY
 THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND RETRIEVAL
 METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE FROM THE
 GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS A
 SEPARATE FILE. GAS CHROMATOGRAMS WERE OBTAINED SPORADICALLY THROUGHOUT THE
 PROJECT. THEY ARE USED TO DETERMINE CARBON DIOXIDE CONTENT OF PORE WATERS AND
 THE COMPOSITION OF HYDROCARBONS WHERE THEY EXISTED.
 NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3526
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF
 OCEANOGRAPHY
 STREET P.O. BOX 1529
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92093

FILE NAME GATX CORPORATION PROPOSED TERMINAL FACILITY ON THE
 DELAWARE RIVER
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, DELAWARE RIVER,
 GLOUCESTER COUNTY, WEST DEPTFORD TOWNSHIP
 ABSTRACT IN PUTTING TOGETHER AN ENVIRONMENTAL IMPACT
 STATEMENT FOR THE PROPOSED CONSTRUCTION OF THE GATX CORPORATION'S TERMINAL
 FACILITY ON THE DELAWARE RIVER NEAR WEST DEPTFORD TOWNSHIP, NEW JERSEY, THE US
 ARMY CORPS OF ENGINEERS COMPILED DATA BASELINE SURVEYS FROM 1952 TO THE
 PRESENT. AN OVERALL ASSESSMENT OF LOCAL TOPOGRAPHY, HYDROLOGY, ECOSYSTEMS,
 WATER AND AIR QUALITY, AND CLIMATE WAS MADE IN RELATIONSHIP TO THE EFFECTS OF
 THE PROPOSED ACTION.
 NAME RCY DENMARK
 PHONE NUMBER 215 597 2544
 INSTITUTION OR AGENCY US ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT
 STREET 2ND AND CHESTNUT STREETS
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19106

FILE NAME GEESSE MOVEMENTS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., NEW JERSEY, DELAWARE BAY
 ABSTRACT DAILY CENSUSES MADE ON A MAJOR MIGRATION PATHWAY
 COVER A THREE YEAR PERIOD INDICATED THAT THE PEAK FLIGHT MOVEMENTS FOR CANADA
 GEESSE OCCURRED BETWEEN OCTOBER 11 TO OCTOBER 23.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6666
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME GEOLOGIC CONTROL OF GROUNDWATER MOVEMENT IN A
 PORTION OF THE DELAWARE Piedmont
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTHWESTERN DELAWARE
 ABSTRACT DATA AND AQUIFER CHARACTERISTICS AS YIELD, DEPTHS
 TO PRECIPITATIVE ZONES AND WELL DYNAMICS ARE COMPARED AND RELATED TO GEOMORPHIC
 FEATURES, STRUCTURAL GEOLOGY, LITHOLOGY AND MICROCLIMATE TO DETERMINE THE
 GEOLOGIC FACTORS THAT CONTROL THE OCCURRENCE AND MOVEMENT OF GROUNDWATER
 WITHIN THE DELAWARE Piedmont.

NAME WALTER M. LEIS
 PHONE NUMBER 302 738 2569
 INSTITUTION OR AGENCY GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME GEOLOGIC STUDIES IN DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY
 ABSTRACT SEDIMENT STRUCTURE IN DELAWARE BAY HAS BEEN STUDIED
 BY THE USE OF SEDIMENT CORES OBTAINED OVER A THREE YEAR PERIOD
 NAME DR. R.E. SPERIDAN
 PHONE NUMBER 302 738 2000
 INSTITUTION OR AGENCY GEOLOGY DEPARTMENT
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME GEOLOGICAL INVESTIGATIONS OF MARYLAND'S ATLANTIC
 OCEAN AND CHESAPEAKE BAY SHORELINES, GEOLOGICAL SURVEY BRANCH OF THE MARYLAND
 DEPARTMENT OF NATURAL RESOURCES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 MARYLAND, POTOMAC RIVER, LITTLE ASSAWOMAN BAY TO CHINCOTEAGUE BAY
 ABSTRACT MISSION W214, FLT. 1, MAY 17, 1973, WITH WILLOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA
 SYSTEM IN COOPERATION WITH GEOLOGICAL SURVEY BRANCH OF MD. DEPT. OF NATURAL
 RESOURCES. OBJECTIVE - TO OBTAIN REMOTE SENSING IMAGERY IN WAVE LENGTH BANDS
 OF THE MULTI-SPECTRAL SCANNER ABOARD THE ERTS SATELLITE. IMAGERY WILL BE USED
 AS "GROUND TRUTH" FOR INTERPRETING ERTS IMAGERY WITH RESPECT TO GEOLOGIC AND
 WATER RESOURCES DATA. WEATHER - CLOUDY WITH VISIBILITY 3-5 MILES, AIR TEMP. 2
 DEG. C AT 9500 FT., MSL WITH A WIND OF 17 KNOTS FROM 230 DEG.

NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME GEOLOGICAL INVESTIGATIONS OF MARYLAND'S ATLANTIC
 OCEAN AND CHESAPEAKE BAY SHORELINES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MARYLAND
 ABSTRACT MISSION W245, FLIGHT 01, WAS ACCOMPLISHED ON
 NOVEMBER 1, 1973, UTILIZING THE WILLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A
 T-11 AERIAL MAPPING CAMERA AND AN I2S MULTISPECTRAL CAMERA SYSTEM IN
 COOPERATION WITH THE GEOLOGICAL SURVEY BRANCH OF THE MARYLAND DEPARTMENT OF
 NATURAL RESOURCES. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN FALSE COLOR
 INFRARED AND MULTISPECTRAL PHOTOGRAPHY OF MARYLAND'S ATLANTIC OCEAN AND
 CHESAPEAKE BAY SHORELINES. THE IMAGERY WILL BE USED IN SENSING THE VALUE OF
 ERTS IMAGERY FOR MONITORING SHORELINE CHANGES.

NAME MICHAEL CANGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME GEOLOGY OF THE FALL ZONE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTHERN DELAWARE
 ABSTRACT THE GEOLOGICAL MAKEUP OF THE FALL ZONE BETWEEN
 WILMINGTON AND NEWARK IS INVESTIGATED TO DETERMINE ITS CAPABILITY TO SUBSTAIN
 THE PRESENT RATE OF POPULATION AND ECONOMIC GROWTH. A STRUCTURE CONTOUR MAP OF
 THE CRYSTALLINE BASEMENT COMPLEX AND LITHOFACIES MAPS OF THE THICKNESSES OF
 THE OVERLYING POTOMAC FORMATION AND THE OVERLINE QUATERNARY DEPOSITS ARE
 CONSTRUCTED FROM THE ELECTRIC AND DESCRIPTIVE LOGS OF 140 WELLS.

NAME NENAD SPOLJARIĆ
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME GEOLOGY, HYDROLOGY, AND GEOPHYSICS OF COLUMBIA
 SEDIMENTS IN THE MIDDLETOWN-ODESSA AREA, DELAWARE-HYDROLOGY AND GEOPHYSICS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTH-CENTRAL DELAWARE
 ABSTRACT HYDROGRAPHIC AND GEOPHYSICAL DATA COLLECTED DURING
 A STUDY FROM 1968 THROUGH 1970 OF COLUMBIA SEDIMENTS IN THE MIDDLETOWN-ODESSA
 AREA, DELAWARE ARE PRESENTED IN REPORT FORM. THE MAIN PURPOSE OF THE STUDY WAS
 TO INVESTIGATE THE USEFULNESS OF THE RESISTIVITY SOUNDING TECHNIQUE IN THE
 LOCATION OF POTENTIALLY PRODUCTIVE GROUNDWATER AREAS. RESULTS OF RESISTIVITY
 SOUNDINGS AND WATER LEVEL AND SATURATION THICKNESS SURVEYS OF THE COLUMBIA
 SEDIMENTS ARE GIVEN.

NAME KENNETH D. WOODRUFF
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME GEOLOGY, HYDROLOGY, AND GEOPHYSICS OF COLUMBIA
 SEDIMENTS IN THE MIDDLETOWN-ODESSA AREA, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTH-CENTRAL DELAWARE
 ABSTRACT GEOLOGIC DATA COLLECTED DURING A STUDY CARRIED OUT
 FROM 1967 THROUGH 1969 OF COLUMBIA SEDIMENTS IN THE MIDDLETOWN-ODESSA AREA,
 DELAWARE ARE PRESENTED IN REPORT FORM. THE INVESTIGATION WAS CONDUCTED IN
 ORDER TO DETERMINE THE CONDITIONS AND ENVIRONMENTS OF DEPOSITION OF THE
 COLUMBIA SEDIMENTS. SEDIMENTARY STRUCTURES AND TEXTURES WHICH ARE CONSIDERED
 TO BE REPRESENTATIVE OF THE GEOLOGIC HISTORY OF THESE DEPOSITS WERE GIVEN
 SPECIAL ATTENTION. THE STUDY WAS RUN IN TWO PHASES WHERE THE RESULTS OF A
 SURFACE INVESTIGATION OF FOUR OUTCROPS OF COLUMBIA DEPOSITS WERE THEN APPLIED
 TO THE ANALYSIS OF RESULTS FROM A SUBSURFACE GEOLOGICAL INVESTIGATION OF 40
 WELLS.

NAME NENAD SPOLJARIĆ
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME GEOPHYSICAL OBSERVATIONS IN LONG ISLAND SOUND,
 1971-1975
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., CONNECTICUT, LONG ISLAND SOUND
 ABSTRACT SEISMIC REFLECTION PROFILING WAS CARRIED OUT OVER A
 4 YEAR PERIOD IN LONG ISLAND SOUND. STRIP CHARTS CONTAIN DATA FROM 1000 MILES
 OF SHIP TRACK. METHODS USED INCLUDED AIR GUN, SPARKER, BCDMER, AND 3.5 AND 12
 KHZ FINGERS. CHARTS INDICATE LAYERS OF SURFACE SEDIMENTS AND BEDROCK.

NAME DR. JOHN DWYLING
 PHONE NUMBER 203 446 1020
 INSTITUTION OR AGENCY MARINE SCIENCES INSTITUTE, UNIVERSITY OF CONNECTICUT
 STREET AVERY POINT
 CITY GROTON
 STATE CONNECTICUT
 ZIP CODE 06320

FILE NAME GEOPHYSICAL WELL LOGS IN DELAWARE STATE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT GEOPHYSICAL WELL LOGS ARE AVAILABLE FOR
 APPROXIMATELY 423 AQUIFER WELLS IN THE STATE OF DELAWARE. LOGS INCLUDE
 TEMPERATURE, ELECTRICAL CONDUCTIVITY AND NATURAL RADIOACTIVITY LOGS. NOT ALL
 WELLS HAVE BEEN MEASURED FOR THE SAME PARAMETERS.

NAME DELAWARE GEOLOGICAL SURVEY STAFF
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME GILCC
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 LONG ISLAND, SUFFOLK COUNTY, GILCC
 ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
 OF GILCC MARSH LANDS WERE CONDUCTED AT 15 STATIONS FROM MAY 1973 TO DECEMBER
 1973.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 MOTOR PARKWAY
 CITY HAUPPAUGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME GILCC
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 LONG ISLAND, SUFFOLK COUNTY, GILCC
 ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
 OF GILCC MARSH LANDS WERE CONDUCTED AT 61 STATIONS FROM MAY 1972 TO DECEMBER
 1972.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 MOTOR PARKWAY
 CITY HAUPPAUGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME GRAIN SIZE ANALYSES OF DEEP SEA CORES
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
 ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS
 INSTITUTION OF OCEANOGRAPHY IS AFFILIATED WITH THE JOINT OCEANOGRAPHIC
 INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). DSCP HAS TAKEN GEOLOGICAL AND
 GEOPHYSICAL DATA FROM THE DRILLING SHIP GLCMAR CHALLENGER AT 383 SITES OVER
 THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED AND ARCHIVED BY
 THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND RETRIEVAL
 METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE FROM THE
 GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS A
 SEPARATE FILE. SEDIMENT GRAIN SIZE ANALYSES ARE DONE APPROXIMATELY ONCE PER
 CORED SECTION. SIEVES AND SETTLING RATES ARE USED. RESULTS ARE REPORTED IN PHI
 SIZES.

NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3526
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF
 OCEANOGRAPHY
 STREET P.O. BOX 1525
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92093

FILE NAME GRAIN SIZE CURVES OF SEDIMENTS IN THE SANDS OF
 NORTH CAROLINA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT ANALYSIS OF THE GRAIN SIZE OF THE SEDIMENTS OF THE
 SANDS OF NORTH CAROLINA.
 NAME LIBRARIAN
 PHONE NUMBER 919 933 2211
 INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY LIBRARY
 STREET UNIVERSITY OF NORTH CAROLINA
 CITY CHAPEL HILL
 STATE NORTH CAROLINA
 ZIP CODE 27412

FILE NAME GRAFFIC ANALYSIS OF CURRENT VELOCITY, SALINITY,
 DENSITY AND TEMPERATURE DURING PERIODS OF EBB AND FLOOD IN THE ENTRANCE TO
 THIMBLE SHOALS CHANNEL
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY
 NORTH, VIRGINIA
 ABSTRACT SURVEY OF HYDROGRAPHIC PARAMETERS DURING PERIODS OF
 EBB AND FLOOD TIDE IN THE ENTRANCE TO THIMBLE SHOAL CHANNEL. DATA REDUCED TO
 SYNOPTIC INTERVALS OF TIME AND DEPTH
 NAME RONALD JOHNSON
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME GREAT SOUTH BAY EAST
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 GREAT SOUTH BAY
 ABSTRACT VARIOUS CHEMICAL AND PHYSICAL ASPECTS OF THE
 EASTERN PORTION OF GREAT SOUTH BAY WERE MEASURED AT 12 STATIONS FROM NOVEMBER
 1972 TO THE PRESENT.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 MOTOR PARKWAY
 CITY HALFPALME
 STATE NEW YORK
 ZIP CODE 11767

FILE NAME GREAT SOUTH BAY WEST
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 GREAT SOUTH BAY
 ABSTRACT VARIOUS CHEMICAL AND PHYSICAL ASPECTS OF THE
 WESTERN PORTION OF GREAT SOUTH BAY WERE MEASURED AT 12 STATIONS FROM NOVEMBER
 1972 TO THE PRESENT.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 MOTOR PARKWAY
 CITY HALFPALME
 STATE NEW YORK
 ZIP CODE 11767

FILE NAME GROUND WATER LEVELS IN DELAWARE JANUARY, 1962-JUNE,
 1966
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT GROUND WATER LEVELS IN EIGHT COASTAL PLAIN
 OBSERVATION WELLS ARE PRESENTED FOR THE PERIOD JANUARY, 1962 TO JUNE, 1966;
 GROUND WATER LEVELS IN ONE PIEDMONT WELL ARE GIVEN FOR JANUARY, 1960 THROUGH
 JUNE, 1966. FROM THIS DATA AN ASSESSMENT IS MADE OF THE EFFECTS OF THE
 1961-1966 DROUGHT ON GROUND WATER LEVELS IN DELAWARE. ALL WELLS ARE LOCATED IN
 AREAS OF LITTLE OR NO PUMPING.
 NAME K.C. WOODRUFF
 PHONE NUMBER 302 738 2633
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME GROUNDWATER DATA FROM NASSAU-SUFFOLK COUNTY, LONG
 ISLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, LONG ISLAND,
 NASSAU-SUFFOLK COUNTY
 ABSTRACT SINCE JANUARY 1976 ENERGY RESOURCES COMPANY,
 INCORPORATED HAS BEEN SAMPLING GROUNDWATER FROM U.S. GEOLOGICAL SURVEY WELLS
 IN NASSAU-SUFFOLK COUNTY, LONG ISLAND. PARAMETERS MEASURED ARE: MAGNESIUM,
 IRON, CALCIUM, ZINC, ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, MERCURY,
 SELENIUM, SILVER, ORGANIC CHEMICALS, AND VIRUSES. DATA ARE AVAILABLE FROM
 ENERGY RESOURCES, 185 ALEWIFE BROOK PARKWAY, CAMBRIDGE, MASSACHUSETTS FOR THE
 COST OF REPRODUCTION.
 NAME DIRECTOR
 PHONE NUMBER 617 661 3700
 INSTITUTION OR AGENCY ENERGY RESOURCES COMPANY, INCORPORATED
 STREET 185 ALEWIFE BROOK PARKWAY
 CITY CAMBRIDGE
 STATE MASSACHUSETTS
 ZIP CODE 02138

FILE NAME GROUNDWATER QUALITY DATA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., GREAT LAKES, NEW YORK, LONG ISLAND, N.Y. EIGHT, COASTAL
 ABSTRACT THE WATER RESOURCES DIVISION OF THE UNITED STATES GEOLOGICAL SURVEY MONITORS GROUNDWATER QUALITY IN NEW YORK STATE WITH EMPHASIS ON LONG ISLAND. THERE ARE APPROXIMATELY 52 STATIONS COMPRISING THE NETWORK AND 23 PARAMETERS CAN BE DETERMINED AT EACH STATION. RECORDS ON GROUND WATER QUALITY ARE STORED ON MAGNETIC DISC. SOME OF THE PARAMETERS WHICH ARE DETERMINED ARE: SILICA, DISSOLVED IRON, MANGANESE, CALCIUM, MAGNESIUM, SODIUM, POTASSIUM, PH, CHLOR, AMMONIA, BICARBONATE, SULFATE, NITRATE, NITRITE, CHLORIDE, AND PHOSPHATE.

NAME CHIEF OF COMPUTER APPLICATIONS
 PHONE NUMBER 518 472 3107
 INSTITUTION OR AGENCY UNITED STATES GEOLOGICAL SURVEY
 STREET BOX 546
 CITY ALBANY
 STATE NEW YORK
 ZIP CODE 12201

FILE NAME GROWTH, DEVELOPMENT AND CONTROL OF BARNYARD GRASS AS AFFECTED BY CERTAIN ENVIRONMENTAL CONDITIONS AND HERBICIDES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING FIELD AND GREENHOUSE STUDIES CONDUCTED IN DELAWARE FROM NOVEMBER 1962 TO APRIL 1966 ON BARNYARD GRASS TO DETERMINE THE FACTORS AFFECTING SEED GERMINATION AND SEEDLING EMERGENCE, THE ABILITY OF BARNYARD GRASS TO COMPETE WITH CERTAIN CROP PLANTS AND THE CONTROL OF BARNYARD GRASS WITH CERTAIN HERBICIDES.

NAME MCRFIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME GROWTH, DEVELOPMENT AND CONTROL OF WILD RACISH
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEWARK, GEORGETOWN
 ABSTRACT DATA COLLECTED DURING STUDIES CARRIED OUT IN DELAWARE FROM 1967 TO 1968 TO DETERMINE THE EFFECTS OF ENVIRONMENTAL CONDITIONS ON GERMINATION, GROWTH AND DEVELOPMENT OF WILD RACISH ARE PRESENTED IN REPORT FORM. EXPERIMENTS WERE PERFORMED IN GROWTH CHAMBERS, IN THE GREENHOUSE AND IN THE FIELD.

NAME MCRFIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME GROWTH, REPRODUCTION AND FEED HABITS OF THE WHITE PERCH, ROCCUS AMERICANUS, IN THE DELAWARE RIVER ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, LITTLE RIVER, CANARY CREEK
 ABSTRACT GROWTH, REPRODUCTION AND FEED HABITS OF THE WHITE PERCH WERE STUDIED BY OBTAINING A NUMBER OF SPECIMENS FROM THE DELAWARE BAY AND SEVERAL SMALL TRIBUTARIES. THE DATA GATHERED IS INCLUDED IN AN UNPUBLISHED M.S. THESIS LOCATED IN THE UNIVERSITY OF DELAWARE LIBRARY.

NAME LIEFARIAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY MCRFIS LIBRARY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME HABITAT EVALUATION STUDY OF FUNDULUS LUCIAE
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, EASTERN SHORE, SEASIDE
 ABSTRACT A HABITAT EVALUATION STUDY OF THE SPOTFIN KILLIFISH (FUNDULUS LUCIAE) WAS MADE ON THE VIRGINIA EASTERN SHORE FOR 1 YEAR. BIOLOGICAL CONDITION, LENGTH AND SEX OF THE PELAGIC FISH WERE MEASURED ALONG WITH HYDROGRAPHY. A REPORT IS FOUND IN CHES SCI 1967 8(3).

NAME C E RICHARDS
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME HACKENSACK AIR MONITORING STUDY FOR THE HARTZ MOUNTAIN INDUSTRIES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, NORTHERN NEW JERSEY, COASTAL, HACKENSACK
 ABSTRACT THIS STUDY IS OF AIR QUALITY MEASUREMENTS MADE ADJACENT TO THE HARTZ MOUNTAIN INDUSTRIES OFFICE BUILDING. THE SITE IS LOCATED VERY NEAR THE HACKENSACK RIVER IN AN AREA THAT IS PRESENTLY BEING DEVELOPED. FROM JUNE 1973 TO JULY 1973 MEASUREMENTS OF SO₂, CO, HYDROCARBONS, NON-METHANE HYDROCARBONS, AND PARTICULATE MATTER WERE MADE AT NOON AND 5:00 PM EVERY WEDNESDAY, FRIDAY, AND SUNDAY. CLIMATOLOGICAL DATA WERE OBTAINED FROM THE NATIONAL WEATHER SERVICE.

NAME DR. JAMES A. SCHMID
 PHONE NUMBER 215 647 3110
 INSTITUTION OR AGENCY JACK MCCORMICK AND ASSOCIATES
 STREET 800 WATERLOO RD.
 CITY DEVER
 STATE PENNSYLVANIA
 ZIP CODE 19333

FILE NAME HARBER CLUB GARDEN APTS. OUTFALL DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND, WEST BABYLON
 ABSTRACT 1 STATION AT A SEWAGE TREATMENT FACILITY LOCATED IN
 WEST BABYLON WAS SAMPLED FROM JANUARY 1970 TO THE PRESENT FOR WATER TRANSPORT,
 WATER TEMPERATURE, PH, PARTICULATE MATTER, BIOCHEMICAL OXYGEN DEMAND,
 DISSOLVED OXYGEN, COLIFORMS, AND SUSPENDED SOLIDS (DRY WEIGHT).
 NAME GORDON J. WATT
 PHONE NUMBER 516 234 2622 X242
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL
 CONTROL, WATER POLLUTION CONTROL SECTION
 STREET 1324 MOTOR PARKWAY
 CITY HALPPALGE
 STATE NEW YORK
 ZIP CODE 11767

FILE NAME HARD CLAM DISTRIBUTION, ABUNDANCE, AND SIZE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MARYLAND, OCEANSIDE
 EASTERN SHORE
 ABSTRACT MODERATE MONITORING PROGRAM TO EVALUATE POSSIBLE
 DEPLETION OF POPULATIONS BY ESCALATOR DREDGE. 12 STATIONS, TEST SITES INCLUDED
 COMMERCIAL SITE AND NEARBY CONTROL AREA. DATA INCLUDES SIZE AND DENSITY
 PARAMETERS FOR RAKE AND DREDGE GEAR.
 NAME JIM CASEY
 PHONE NUMBER 301-827-8122
 INSTITUTION OR AGENCY WYEMILLS REGIONAL STATION
 STREET P O BOX 68
 CITY WYEMILLS
 STATE MARYLAND
 ZIP CODE 21675

FILE NAME HARD CLAM SURVEY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
 BAY, VIRGINIA, LOWER RAPPAHANNOCK, MCBACK BAY, YORK RIVER, HAMPTON
 ROADS-LOWER JAMES RIVER, EASTERN SHORE OF VIRGINIA
 ABSTRACT COUNTS OF HARD CLAMS (MERCENARIA MERCENARIA) BY
 SIZE AND WEIGHT WERE TAKEN AT MORE THAN 300 STATIONS IN THE CHESAPEAKE BAY
 OVER A 67 MONTH PERIOD BEGINNING IN DECEMBER 1967. ABUNDANCES WERE DETERMINED
 IN QUALITATIVE AREAS, AND GROWTH RATES WERE COMPLETED. THE DATA ARE AVAILABLE
 FROM VIMS ON PUNCHED CARDS. THE RESULTS OF THE STUDY HAVE BEEN PUBLISHED IN
 VELIGER 16(1), AND IN CHESAPEAKE SCIENCE.
 NAME JOSEPH LICESCH
 PHONE NUMBER 703-442-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME HEAVY METALS IN COASTAL FISHES OF NORTH CAROLINA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT HEAVY METAL SURVEY OF NORTH CAROLINA COASTAL FISHES
 NAME RICHARD BARBER
 PHONE NUMBER 919 728 2111
 INSTITUTION OR AGENCY DUKE UNIVERSITY MARINE LABORATORY
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME HEAVY METALS IN DEEP SEA FISHES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CONTINENTAL SLOPE
 ABSTRACT HEAVY METAL ANALYSIS OF AXIAL AND LATERAL MUSCLE,
 LIVER, KIDNEY AND BRAIN TISSUE FROM ATLANTIC PELAGIC FISH AND FROM PRESERVED
 SPECIMENS FROM THE SMITHSONIAN INSTITUTE.
 NAME RICHARD BARBER
 PHONE NUMBER 919 728 2111
 INSTITUTION OR AGENCY DUKE UNIVERSITY MARINE LABORATORY
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME HEAVY METALS IN DELAWARE BAY SEDIMENTS SW OF
 PHILADELPHIA SLUDGE AREA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, DELAWARE BAY
 ABSTRACT THE STUDY DONE AS PART OF A MARINE ECOLOGY CLASS
 FIELD PROJECT, INCLUDES THE ANALYSES FOR ZINC, CHROMIUM, COPPER, LEAD, AND
 MERCURY IN 2 SEDIMENT CORES TAKEN ON OCTOBER 13, 1972 AT THE NORTH EDGE OF THE
 SHIP CHANNEL OF DELAWARE BAY SW OF THE ORIGINAL PHILADELPHIA SEWAGE SLUDGE
 DUMP SITE. THE SITE LIES APPROXIMATELY 10 MILES OFFSHORE TO THE NW OF THE
 SHIPPING CHANNEL. THE TOTAL UNSIEVED SEDIMENT WAS TAKEN IN 2 SMALL HAND CORES.
 THE SAMPLES WERE ACID DIGESTED AND ANALYZED IN TRIPPLICATED WITH REPORTED
 VALUES AS AN AVERAGE NUMBER.
 NAME CHARLES BRINE
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET COLLEGE OF MARINE STUDIES
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME HEAVY METALS IN MARLIN AND OTHER BILLFISH
 GENERAL GEOGRAPHIC AREA WESTERN NORTH ATLANTIC, CONTINENTAL SHELF, JAMAICA
 TO NEW YORK
 ABSTRACT BILLFISH LENGTH, WEIGHT, AND GONADAL DEVELOPMENT
 AND HEAVY METAL CONTENT OF AXIAL AND LATERAL MUSCLE, LIVER, KIDNEY AND BRAIN.
 100 FISH FROM WESTERN NORTH ATLANTIC SHELF WATERS WERE EXAMINED.
 NAME RICHARD BARBER
 PHONE NUMBER 919 728 2111
 INSTITUTION OR AGENCY DUKE UNIVERSITY MARINE LABORATORY
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME HEAVY METALS IN SEDIMENTS AND SURF CLAMS (SPISULA)
 IN THE FORMER PHILADELPHIA TREATED SEWAGE SLUDGE DUMP AREA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 DELAWARE
 ABSTRACT THIS IS A STUDY OF THE ACCUMULATION OF HEAVY METALS
 IN THE FORMER PHILADELPHIA TREATED SEWAGE SLUDGE DUMP AREA OFF OF DELAWARE
 BAY. THE SURVEY, TAKEN AT 48 SEPARATE STATIONS, INCLUDES ANALYSES FOR 11
 INDICATOR, HEAVY METALS IN BOTH SURF CLAMS AND THE SEDIMENT AT EACH OF THE
 STATIONS. THE STUDY PERIOD WAS FROM DECEMBER 1974 UNTIL 1975.
 NAME STEVEN TOWNSEND
 PHONE NUMBER 215 686 3864
 INSTITUTION OR AGENCY CITY OF PHILADELPHIA WATER DEPARTMENT
 STREET MUNICIPAL SERVICES BUILDING 15TH AND JFK BLVD
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19107

FILE NAME HEAVY METALS IN WHALES IN NORTH CAROLINA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT WHALES LENGTH, WEIGHT, SEX, AND AGE DATING, HEAVY
 METAL AND PESTICIDE CONTENT OF AXIAL AND LATERAL MUSCLE, LIVER, KIDNEY, AND
 BRAIN. 70 WHALES WERE EXAMINED.
 NAME RICHARD BARBER
 PHONE NUMBER 919 728 2111
 INSTITUTION OR AGENCY DUKE UNIVERSITY MARINE LABORATORY
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME HEAVY METALS STUDIES FOR THE E.I. DUPONT CHEMICALS
 AND CO. JAN 1971
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY
 ABSTRACT FINFISH, BLUE CRAB, SHRIMP, OYSTERS, MUD CRABS,
 MUSSELS WERE OBTAINED FROM LOCATIONS IN THE DELAWARE RIVER, NEAR THE E.I.
 DUPONT CHEMICALS WORKS, AND WERE ANALYSED FOR HEAVY METALS. THE RESULTS ARE
 PRESENTED IN A REPORT WHICH IS AVAILABLE FROM E.I. DUPONT CHEMICALS AND COMPANY
 NAME DR. CLYDE E. GOULDEN
 PHONE NUMBER 215 567 3700
 INSTITUTION OR AGENCY THE ACADEMY OF NATURAL SCIENCES
 STREET NINETEENTH AND THE PARKWAY
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19103

FILE NAME HEAVY MINERAL ANALYSIS OF NORTH CAROLINA BEACH SAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT ANALYSIS OF BEACH SAND OF NORTH CAROLINA
 NAME LIBRARIAN
 PHONE NUMBER 919 533 2211
 INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY LIBRARY
 STREET UNIVERSITY OF NORTH CAROLINA
 CITY CHAPEL HILL
 STATE NORTH CAROLINA
 ZIP CODE 27412

FILE NAME HELMINTHS OF SEVEN SPECIES OF AQUATIC TURTLES FROM
 N.C.
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT INVESTIGATION OF HELMINTH PARASITISM OF AQUATIC
 TURTLES IN NORTH CAROLINA. INCLUDES DESCRIPTIONS, LIFE CYCLES AND MEASUREMENTS
 OF PARASITES AS WELL AS INCIDENCE PER SPECIES OF TURTLE. THE LIFE HISTORY OF
 THE HELMINTHS INCLUDES DETERMINATION OF INTERMEDIATE HOSTS.
 NAME LIBRARIAN
 PHONE NUMBER 919 737 3364
 INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
 STREET C.H. HILL LIBRARY
 CITY RALEIGH
 STATE NORTH CAROLINA
 ZIP CODE 27607

FILE NAME HERBICIDE COMBINATIONS IN SOYBEANS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY
 ABSTRACT DATA COLLECTED DURING STUDIES CONDUCTED FROM 1964
 TO 1965 IN WHICH SEVERAL HERBICIDES WERE TESTED ALONE AND IN COMBINATION FOR
 THEIR EFFECT ON WEED CONTROL AND SOYBEAN YIELD AND CROP INJURY IN DELAWARE ARE
 PRESENTED IN REPORT FORM. THE EFFECTS OF COMBINATIONS OF HERBICIDES WHICH
 MIGHT BE USED TO CONTROL A BROADER WEED SPECTRUM AND TO REDUCE HERBICIDE
 INJURY TO SOYBEAN WERE DETERMINED.

NAME MORRIS LIBRARY
 PHONE ALPHEER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME HERON COLONY BREEDING BIOLOGY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MASSACHUSETTS, DUXEBURY, CLARKS
 ISLAND, AND THE DELAWARE RIVER, PEA PATCH ISLAND
 ABSTRACT A RESEARCHER AT THE MANOMET BIRD OBSERVATORY,
 MASSACHUSETTS, IS CONDUCTING A STUDY OF HERON COLONY BREEDING BIOLOGY AT PEA
 PATCH ISLAND IN THE DELAWARE RIVER AND AT CLARKS ISLAND, DUXEBURY,
 MASSACHUSETTS. DATA COLLECTION EFFORTS INCLUDE: THE WEIGHT OF ADULTS AND
 CHICKS; THE TIME OF ARRIVAL, NESTING, AND DEPARTURE; THE NUMBER OF EGGS LAID
 AND THEIR INCUBATION PERIOD; AND OBSERVATIONS OF FEEDING ACTIVITY.

NAME BRYAN HARRINGTON, ASSISTANT DIRECTOR
 PHONE ALPHEER 617 224 3555
 INSTITUTION OR AGENCY MANOMET BIRD OBSERVATORY
 CITY MANOMET
 STATE MASSACHUSETTS
 ZIP CODE 02345

FILE NAME HERON DEPREDATION AT CHARLES C. HAYFORD HATCHERY,
 HACKETTSTOWN, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, WARREN COUNTY
 ABSTRACT TWENTY GREAT BLUE HERONS WERE DESTROYED IN THE ACT
 OF DEPREDATION AT THE CHARLES C. HAYFORD HATCHERY IN HACKETTSTOWN, NEW JERSEY
 BETWEEN 5 JULY AND 10 AUGUST 1976. THE HERONS WERE SEXED, AGED, WEIGHED, AND
 MEASURED AND THEIR STOMACH CONTENTS WERE ANALYZED.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE ALPHEER 609 252 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1605
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME HIGH RESOLUTION SEISMIC REFLECTION PROFILES IN
 MIDDLE DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, MIDDLE DELAWARE BAY
 ABSTRACT 116 NAUTICAL MILES OF HIGH RESOLUTION SEISMIC
 REFLECTION PROFILES COLLECTED IN MIDDLE DELAWARE BAY, FROM MAY 1971 TO AUGUST
 1971, ARE ANALYSED AND CORRELATED WITH 98 WIDELY SPACED SEDIMENT SAMPLES
 CONCURRENTLY COLLECTED WITH CORES AND/OR GRABS.

NAME ROGER D. MCCOY
 PHONE ALPHEER 302 738 2565
 INSTITUTION OR AGENCY GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME HISTORICAL DATA FILE CONCERNING WATER QUALITY
 PARAMETERS IN THE BRANDYWINE RIVER BASIN 1946 TO 1970
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., PENNSYLVANIA,
 DELAWARE, BRANDYWINE RIVER BASIN
 ABSTRACT HISTORICAL DATA FILE DESCRIBING WATER TEMPERATURE,
 D.O., BOD, PH, TOTAL ALKALINITY, NITRITE, NITRATE, CHLORINE, FLUORINE,
 SULFATE, IRON AND TOTAL CHLORIDE IN THE EAST AND WEST BRANCHES OF THE
 BRANDYWINE RIVER DURING THE PERIOD 1962 THROUGH 1969; AND IN THE MAIN STREAM
 OF THE BRANDYWINE RIVER FROM 1946 THROUGH 1969.

NAME WILLIAM SELLERS
 PHONE ALPHEER 215 459 1500
 INSTITUTION OR AGENCY TRI COUNTY CONSERVANCY OF THE BRANDYWINE
 STREET ENVIRONMENTAL MANAGEMENT CENTER
 CITY CHADDS FORD
 STATE PENNSYLVANIA
 ZIP CODE 19317

FILE NAME HISTORICAL WATER QUALITY RECORD FOR THE BRANDYWINE RIVER
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., PENNSYLVANIA, DELAWARE, BRANDYWINE RIVER BASIN
 ABSTRACT THIS FILE CONTAINS THE HISTORICAL WATER QUALITY DATA FOR THE BRANDYWINE RIVER BASIN AND WATERSHED. THE FILE INCLUDES NITRATE, NITRITE, AMMONIA, TOTAL SOLIDS, ORGANIC MATTER, CALCIUM, MAGNESIUM, MANGANESE, CHLORIDE, SODIUM, HARDNESS, TURBIDITY, ALKALINITY, BOD, AND BACTERIAL COUNT DATA TAKEN ON AN IRREGULAR BASIS FROM 1863 THROUGH 1971. THE METHODS USED VARIED AS TECHNOLOGY IMPROVED BUT DATA WAS ALWAYS REPORTED AS YEARLY AVERAGE VALUES. DATA TAKEN FROM 1946 ON IS FAIRLY CONSISTENT WITH REGARD TO THE CONSERVATIVE PARAMETERS AND THEREFORE MORE RELIABLE AS A RECORD.

NAME WILLIAM SELLERS
 PHONE NUMBER 215 455 1900
 INSTITUTION OR AGENCY TRI COUNTY CONSERVANCY OF THE BRANDYWINE
 STREET ENVIRONMENTAL MANAGEMENT CENTER
 CITY CHADDS FORD
 STATE PENNSYLVANIA
 ZIP CODE 19137

FILE NAME POLYGENE FORAMINIFERAL DISTRIBUTION IN NEW YORK HARBOR AND VICINITY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. EIGHT, NEW YORK HARBOR, COASTAL
 ABSTRACT THE STUDY, UNDERTAKEN BY P.A. TUZZOLO, CONCERNED FORAMINIFERAL DISTRIBUTION AND ASSOCIATION IN 10 BORINGS FROM THE HARLEM RIVER AND GWANUS CANAL IN NEW YORK HARBOR AND SHEEPSHEAD BAY AND ROCKAWAY INLET. GRAIN SIZE ANALYSIS, SPECIES DETERMINATION AND COUNTS OF FORAMS INDICATED FORAMINIFERAL ASSOCIATION WITH SHELF SEDIMENTS. VERTICAL FAUNAL VARIATIONS WERE NOTED.

NAME DR. JAMES MELLET
 PHONE NUMBER 212 558 3466
 INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, NEW YORK UNIVERSITY
 STREET 1011 MAIN BUILDING, WASHINGTON SQUARE
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10003

FILE NAME THECOSMATOUS PTEROPODS HORIZONTAL AND VERTICAL DISTRIBUTION OF
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, CAPE HATTERAS
 ABSTRACT INVESTIGATION OF THE VERTICAL AND HORIZONTAL DISTRIBUTION OF PTEROPODS OFF CAPE HATTERAS.
 NAME LIBRARIAN
 PHONE NUMBER 919 728 2111
 INSTITUTION OR AGENCY DUKE UNIVERSITY MARINE LABORATORY
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME HOST-PARASITE RELATIONSHIP OF GLYCINE MAX AND DIAPORTE PHASEOLORUM VAR. SCJAE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY, GEORGETOWN
 ABSTRACT DATA COLLECTED DURING FIELD STUDIES CONDUCTED IN DELAWARE DURING 1960 ON THE SIGNIFICANCE OF DEVELOPMENTAL STAGES OF THE SOYBEAN PLANT IN RELATION TO THE DEVELOPMENT OF THE FUNGUS DIAPORTE PHASEOLORUM VAR. SCJAE VIA NATURALLY OCCURRING AND ARTIFICIALLY INTRODUCED INOCULUM ARE PRESENTED IN REPORT FORM. THE RELATIVE SUSCEPTIBILITY OF 7 SOYBEAN VARIETIES TO THE POD AND STEM BLIGHT WAS ALSO DETERMINED.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME HOURLY AVERAGES OF AIR MONITORING DATA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT THE NEW JERSEY BUREAU OF AIR POLLUTION CONTROL
 MONITORED AIR POLLUTANTS AT EIGHT SITES THROUGHOUT NEW JERSEY AND CHESTER PA
 BETWEEN JULY, 1974 AND SEPTEMBER, 1976. THESE SITES WERE CHESTER, PA., CAMDEN
 TRAILER PARK, PRINCETON, MCGUIRE AIR FORCE BASE, SANDY HOOK, ANCORA, BAYONNE
 TRAILER PARK, AND BIVALVE. THE MONITORING OF OZONE TOOK PLACE AT ALL SITES
 EXCEPT BAYONNE TRAILER PARK WITH DATA ACCUMULATED ONLY FROM MAY TO SEPT. EACH
 YEAR. DATA FOR PRINCETON IS AVAILABLE FOR ONLY JULY, 1974 WITH MEASUREMENTS OF
 JUST OZONE. ALSO, DATA FOR SANDY HOOK IS AVAILABLE ONLY IN JULY AND AUGUST,
 1974 AND DATA FOR ANCORA IS AVAILABLE ONLY FROM JULY TO OCTOBER 1974. BOTH
 SITES RECORDED ONLY OZONE READINGS. THE BAYONNE TRAILER PARK MONITORING
 STATION DID NOT BEGIN OPERATIONS UNTIL FEBRUARY, 1975 WHILE BIVALVE DID NOT
 BEGIN ITS MONITORING UNTIL JUNE, 1975. CAMDEN TRAILER PARK MAINTAINED ONLY
 CONTINUOUS SUMMER MONITORING OF OZONE LEVELS.

NAME SENIOR ENVIRONMENTAL SPECIALIST
 PHONE NUMBER 609 292 6723
 INSTITUTION OR AGENCY NEW JERSEY BUREAU OF AIR POLLUTION CONTROL
 STREET LABOR AND INDUSTRY BUILDING
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME HUDSON RIVER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW YORK
 ABSTRACT EIGHT, HUDSON RIVER FROM THE BATTERY TO BEAR MOUNTAIN
 20 STATIONS IN THE HUDSON RIVER WERE SAMPLED FROM
 JULY 1971 TO AUGUST 1971 FOR VARIOUS CHEMICAL, PHYSICAL, AND BIOLOGICAL
 PARAMETERS. SOME OF THESE INCLUDE DISSOLVED OXYGEN, TEMPERATURE, PH,
 TURBIDITY, ORTHOPHOSPHATE, NITRATE, NITRITE, HEAVY METALS, BIOCHEMICAL OXYGEN
 DEMAND, AND CHLOROPHYLL A. MEASUREMENTS WERE TAKEN OVER A TIDAL CYCLE AND WERE
 SPREAD OUT OVER SEVERAL WEEKS.

NAME DR. ALAN I. MYTELKA
 PHONE NUMBER 212 582 0380
 INSTITUTION OR AGENCY INTERSTATE SANITATION COMMISSION
 STREET 10 COLUMBUS CIRCLE, RM 1620
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10019

FILE NAME HUDSON RIVER ESTUARY STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, NEW YORK, N.Y.
 ABSTRACT EIGHT, HUDSON RIVER ESTUARY

THE PROJECT CONCERNS THE MOVEMENT OF TRACE METALS
 IN THE HUDSON RIVER ESTUARY. SAMPLES OF WATER (AT THE SURFACE, MID-DEPTH, AND
 BOTTOM) AND SEDIMENTS ARE BEING COLLECTED AT 19 STATIONS ON A ONCE PER MONTH
 BASIS. THE SAMPLES ARE BEING ANALYZED FOR COPPER, MERCURY, NICKEL, CADMIUM,
 LEAD, CHROMIUM, COBALT, CALCIUM, IRON, MAGNESIUM AND ZINC. THE WATER FRACTION
 IS BEING SEPARATED INTO DISSOLVED AND PARTICULATE FRACTIONS. IN ADDITION, SIZE
 ANALYSIS AND MINERALOGY OF SEDIMENTS, SPECIES DETERMINATION OF MICROBIOPLANKTON AND
 BENTHIC ANIMALS, AND SALINITY, TEMPERATURE AND DISSOLVED OXYGEN ARE ALSO
 DETERMINED.

NAME DR. JOSEPH RACHLIN
 PHONE NUMBER 212 960 8235
 INSTITUTION OR AGENCY DEPARTMENT OF BIOLOGY, HERBERT H. LEHMAN COLLEGE
 STREET BEDFORD PARK COLLEAVARD WEST
 CITY BRONX
 STATE NEW YORK
 ZIP CODE 10468

FILE NAME HUDSONIA AGASSIZI GEN-ET SP.N. (ZOOCCONIDAE:
 GENERAL GEOGRAPHIC AREA HUDSONIA AGASSIZI GEN-ET SP.N. (ZOOCCONIDAE:
 ABSTRACT HUDSONIA AGASSIZI GEN-ET SP.N. (ZOOCCONIDAE:
 DESCRIBED FROM THE INTESTINE OF THE DEEP-SEA FISH ALEPOCEPHALUS AGASSIZI. THE
 TREMATODE WAS TAKEN IN HUDSON CANYON, WESTERN NORTH ATLANTIC OCEAN, AT DEPTHS
 OF 1,919 TO 2,297M. PARAMETERS MEASURED INCLUDE: SPECIES DETERMINATION OF
 PELAGIC FISH AND PARASITES, COUNT OF PELAGIC FISH AND PARASITES, LENGTH OF
 PARASITES, MICROSCOPIC MEASUREMENT OF PARASITES, SAMPLE OF PARASITES. THE
 DATA WERE COLLECTED BY DR. RONALD A. CAMPBELL, BIOLOGY DEPARTMENT,
 SOUTHEASTERN MASSACHUSETTS UNIVERSITY, NORTH DARTMOUTH, MASSACHUSETTS 02747,
 AND ARE AVAILABLE IN PUBLISHED FORM.

NAME DR. RONALD A. CAMPBELL
 PHONE NUMBER 617 557 5321
 INSTITUTION OR AGENCY SOUTHEASTERN MASSACHUSETTS UNIVERSITY
 STREET OLD WESTPORT ROAD
 CITY NORTH DARTMOUTH
 STATE MASSACHUSETTS
 ZIP CODE 02747

FILE NAME HUMAN PATHOGENIC FUNGI OF VIRGINIA BEACH AND
HAMPTON ROADS AREA
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
VIRGINIA, VIRGINIA BEACH, HAMPTON ROADS
ABSTRACT SURVEY OF PATHOGENIC FUNGI IN THE BEACH SANDS OF
RECREATIONAL AREAS IN THE HAMPTON ROADS AREA AND VIRGINIA BEACH, VA
NAME PALL KIRK
PHONE NUMBER 804-485-8000
INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
STREET INSTITUTE OF OCEANOGRAPHY
CITY NORFOLK
STATE VIRGINIA
ZIP CODE 23508

FILE NAME HUNTER PERFORMANCE SURVEY, III-3
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
EASTERN SHORE
ABSTRACT DATA WERE OBTAINED FROM 32 SEADUCK HUNTS TO
INDICATE THE EFFECTS OF HUNTER ACTIVITIES ON THE WATERFOWL. NUMBERS OF BIRDS
HIT, DOWNED AND BAGGED WERE RECORDED AS WELL AS OBSERVATIONS ON HUNTERS'
ACTIVITIES.
NAME VERNON STETTS
PHONE NUMBER 301-267-5155
INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
STREET TAWES STATE OFFICE BUILDING
CITY ANNAPOLIS
STATE MARYLAND
ZIP CODE 21401

FILE NAME HUNTER PERFORMANCE SURVEYS IN MARYLAND SEA DUCK
HUNTING ZONES
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
ABSTRACT A HUNTER PERFORMANCE SURVEY WAS CONDUCTED ON 52 SEA
DUCK HUNTS FROM 1965 TO 1970 IN DEEP WATER AREAS OF MARYLAND, TO DETERMINE
CRIPPLING LOSS OF SEA DUCKS, SUITABLE HUNTING TECHNIQUES AND ACHERENCE OF
HUNTERS TO REGULATIONS IN THE SEA DUCK ZONE.
NAME VERNON STETTS
PHONE NUMBER 301-267-5155
INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
STREET TAWES STATE OFFICE BUILDING
CITY ANNAPOLIS
STATE MARYLAND
ZIP CODE 21401

FILE NAME HUNTER PERFORMANCE UNDER THE WATERFOWL POINT SYSTEM
IN NEW JERSEY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
ABSTRACT IN 1970, 1971, 1972, AND 1975 SPY BLIND
OBSERVATIONS WERE CONDUCTED IN NEW JERSEY TO EVALUATE THE WATERFOWL POINT
SYSTEM AND TO DETERMINE HUNTER PERFORMANCE UNDER THE SYSTEM.
NAME PRINCIPAL WILDLIFE BIOLOGIST
PHONE NUMBER 609 252 6666
INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
STREET P.O. BOX 1809
CITY TRENTON
STATE NEW JERSEY
ZIP CODE 08625

FILE NAME HUNTINGTON SEWAGE TREATMENT PLANT DATA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
LONG ISLAND, SUFFOLK COUNTY, HUNTINGTON
ABSTRACT 1 STATION AT A SEWAGE TREATMENT PLANT LOCATED AT
HUNTINGTON WAS SAMPLED FROM JANUARY 1970 TO THE PRESENT FOR TOTAL SOLIDS,
PARTICULATE MATTER, BIOCHEMICAL OXYGEN DEMAND, COLIFORMS, WATER TRANSPORT,
WATER TEMPERATURE, PH, TOTAL CHLORINE RESIDUAL, AND SCAVENGER WASTE FLOW IN
GALLONS/MONTH.
NAME GREGG J. WATT
PHONE NUMBER 516 234 2622 X242
INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL
CONTROL, WATER POLLUTION CONTROL SECTION
STREET 1324 MOTOR PARKWAY
CITY HAUPPALGE
STATE NEW YORK
ZIP CODE 11767

FILE NAME HURRICANE AGNES CLAM SURVEY PROGRAM
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
MARYLAND
ABSTRACT EXTENSIVE SURVEY OF SOFT CLAM POPULATION AND
DISTRIBUTION AFTER THE PASSAGE OF HURRICANE AGNES. DATA COLLECTED BY
COMMERCIAL CLAM FISHERMEN. MARKET AND SUB-MARKET COUNTS, VOLUME PER ACRE, SIZE
IN INCHES FOR SUEMARET CLAMS.
NAME F L FAPONS
PHONE NUMBER 301-267-5184
INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
STREET TAWES STATE OFFICE BUILDING
CITY ANNAPOLIS
STATE MARYLAND
ZIP CODE 21401

FILE NAME HYDRO THERMAL FIELD STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND, JAMESPORT
 ABSTRACT 2 STATIONS LOCATED AT JAMESPORT WERE SAMPLED FROM
 JULY 1973 TO THE PRESENT FOR WATER TEMPERATURE, CURRENT SPEED, CURRENT
 DIRECTION, TIDAL HEIGHT, WIND SPEED, AND WIND DIRECTION.
 NAME RAYMOND CRISCOLL
 PHONE NUMBER 516 531 6300 X451
 INSTITUTION OR AGENCY LONG ISLAND LIGHTING COMPANY
 STREET 175 EAST OLD COUNTRY ROAD
 CITY HICKSVILLE
 STATE NEW YORK
 ZIP CODE 11601

FILE NAME HYDRO THERMAL FIELD STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND SOUND, SHOREHAM
 ABSTRACT 2 STATIONS LOCATED AT SHOREHAM WERE SAMPLED FROM
 JULY 1973 TO THE PRESENT FOR WATER TEMPERATURE, CURRENT SPEED, CURRENT
 DIRECTION, TIDAL HEIGHT, WIND SPEED, AND WIND DIRECTION.
 NAME RAYMOND CRISCOLL
 PHONE NUMBER 516 531 6300 X451
 INSTITUTION OR AGENCY LONG ISLAND LIGHTING COMPANY
 STREET 175 EAST OLD COUNTRY ROAD
 CITY HICKSVILLE
 STATE NEW YORK
 ZIP CODE 11601

FILE NAME HYDROGEN SULFIDE PRODUCTION AND ITS EFFECT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, LEWES,
 CANARY CREEK MARSH
 ABSTRACT THE SEASONAL VARIATION OF HYDROGEN SULFIDE
 PRODUCTION HAS BEEN MEASURED AND WAS FOUND AT A MAXIMUM DURING THE LATE SPRING
 MONTHS AND AT A MINIMUM DURING THE WINTER MONTHS. THE ANAEROBIC MICROORGANISMS
 RESPONSIBLE FOR SULFIDE PRODUCTION WERE DESULFOCYANOCALUM IN CHANGING
 ENVIRONMENTS AND DESULFOCYANOCALUM IN CONSTANT ENVIRONMENTS.
 NAME INTERLIBRARY LOAN
 PHONE NUMBER 302 736 2236
 INSTITUTION OR AGENCY MORRIS LIBRARY, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME HYDROGEN SULFIDE PRODUCTION AND ITS EFFECT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE, LEWES,
 CANARY CREEK MARSH
 ABSTRACT THE SEASONAL VARIATIONS OF HYDROGEN SULFIDE
 PRODUCTION HAS BEEN MEASURED AND WAS FOUND AT A MAXIMUM DURING THE LATE SPRING
 MONTHS AND AT A MINIMUM DURING THE WINTER MONTHS. THE ANAEROBIC MICROORGANISMS
 RESPONSIBLE FOR SULFIDE PRODUCTION WERE DESULFOCYANOCALUM IN CHANGING
 ENVIRONMENTS AND DESULFOCYANOCALUM IN CONSTANT ENVIRONMENTS.
 NAME JOHN C. EBYSON
 PHONE NUMBER 302 676 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME HYDROGEOLOGY OF SELECTED SITES IN THE GREATER
 NEWARK AREA, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY,
 GREATER NEWARK AREA
 ABSTRACT DATA COLLECTED FROM A GROUNDWATER EXPLORATION
 PROGRAM CONDUCTED FROM APRIL, 1973 TO MARCH, 1974 IN THE GREATER NEWARK AREA
 IS PRESENTED IN REPORT FORM. THE DATA INCLUDE WELL DESCRIPTIONS, WATER VOLUMES
 DISCHARGED AND RELATED DRAWDOWNS, AND WATER QUALITY PARAMETERS.
 NAME JOHN H. TALLEY
 PHONE NUMBER 302 736 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19702

FILE NAME HYDROGRAPHIC AND NUTRIENT DATA FOR NORFOLK
 CANYON-JUNE 1973
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF
 OFF VIRGINIA
 ABSTRACT HYDROGRAPHIC SURVEY OF NORFOLK CANYON, ADJACENT
 SHELF AND ADJACENT SLOPE. PROFILES AND DATA FROM BIOLOGICAL SAMPLING STATIONS.
 NUTRIENT DATA FOR C, P, AND N
 NAME J A MSLICK
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester Point
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME HYDROGRAPHIC AND SHORELINE STUDIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, NEW JERSEY, DELAWARE BAY
 ABSTRACT THE SHELLFISH CONTROL UNIT HAS BEEN CARRYING OUT DYE AND DROGUE STUDIES IN ORDER TO MONITOR DILUTION AND MIXING RATES OVER TIDAL CYCLES OF POINT SOURCE OUTFLOWS. THE DROGUE STUDIES HAVE BEEN DONE FROM SANDY HOOK BAY, SOUTH ALONG THE ATLANTIC COAST AND IN DELAWARE BAY IN NEW JERSEY WATERS. THE DYE STUDIES HAVE BEEN DONE FROM GREAT EGG HARBOR SOUTH ALONG THE ATLANTIC COAST AND IN DELAWARE BAY IN NEW JERSEY WATERS.
 NAME SUPERVISER OF SHELLFISH CONTROL UNIT
 PHONE NUMBER 609 652 1758
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER RESOURCES, SHELLFISH CONTROL UNIT
 STREET P.O. BOX 2809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME HYDROGRAPHIC DATA COLLECTION USING SLAR-DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE BAY
 ABSTRACT MISSION W249, FLIGHT 02, WAS ACCOMPLISHED ON AUGUST 30, 1973, UTILIZING A SHAW AFB F-4C AIRCRAFT EQUIPPED WITH AN AN/APQ-120A SIDE LOOKING AIRBORNE RADAR SYSTEM. THE OBJECTIVE OF THE FLIGHT WAS TO COLLECT HYDROGRAPHIC DATA OVER THE DELAWARE BAY REGION COINCIDING WITH A LANDSAT-1 OVERPASS.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME HYDROGRAPHIC DATA COLLECTION USING SLAR-VIRGINIA,
 MARYLAND, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., VIRGINIA, MARYLAND, DELAWARE
 ABSTRACT MISSION W249, FLIGHT 01, WAS ACCOMPLISHED ON AUGUST 30, 1973, UTILIZING A SHAW AFB F-4C AIRCRAFT EQUIPPED WITH AN AN/APQ-102A SIDE LOOKING AIRBORNE RADAR SYSTEM. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY TIDAL VARIATIONS, OCEAN SIDE AND BAYSIDE ALONG THE DELMARVA PENINSULA TO COINCIDE WITH A LANDSAT-1 OVERPASS.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME HYDROGRAPHIC DATA FOR THE WESTERN GULF OF MAINE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, OFFSHORE NORTH AMERICA, WESTERN GULF OF MAINE
 ABSTRACT HYDROGRAPHIC DATA FOR THE WESTERN GULF OF MAINE WERE COLLECTED BETWEEN NOVEMBER, 1974 AND JANUARY, 1975. TEMPERATURE, DEPTH, SALINITY, CURRENT SPEED AND DIRECTION WERE MEASURED. THESE DATA WILL BE AVAILABLE IN A FORTHCOMING REPORT.
 NAME WENDELL BROWN
 PHONE NUMBER 603 862 1234
 INSTITUTION OR AGENCY UNIVERSITY OF NEW HAMPSHIRE
 CITY DURHAM
 STATE NEW HAMPSHIRE
 ZIP CODE 03824

FILE NAME HYDROGRAPHIC DATA FROM THE ATLANTIC PLANKTON CRUISES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, MOUTH OF CHESAPEAKE BAY TO FALSE CAPE, WACHAPREAGUE INLET, VIRGINIA
 ABSTRACT A REPORT OF THE HYDROGRAPHIC DATA OF 22 STATIONS FROM THE MOUTH OF CHESAPEAKE BAY TO FALSE CAPE TAKEN FROM ONE YEAR OF ATLANTIC PLANKTON CRUISES.

NAME LIBRARIAN
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME HYDROGRAPHIC DATA-MOUTH OF CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY MOUTH, VIRGINIA
 ABSTRACT HYDROGRAPHIC DATA TAKEN AT ANCHOR STATIONS AT THE MOUTH OF CHESAPEAKE BAY, NORTH SIDE
 NAME RONALD JOHNSON
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23506

FILE NAME HYDROGRAPHIC STUDIES OF CHESAPEAKE BAY; CURRENT
 METER DATA, 1973
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, LOWER CHESAPEAKE BAY
 AND TRIBUTARIES
 ABSTRACT CURRENT SPEED AND DIRECTION MEASUREMENTS WERE MADE
 EVERY TWENTY MINUTES FOR FIVE DAY PERIODS AT APPROXIMATELY 100 STATIONS IN THE
 LOWER CHESAPEAKE BAY, RAPPAHANNOCK, YORK, JAMES, ELIZABETH, BACK, POQUOSON,
 PIANKATANK, GREAT WICOMOCO RIVERS. STATIONS WERE VISITED ONCE OR TWICE DURING
 1973.
 NAME JOHN JACOBSON
 PHONE NUMBER EC4 642 2111 X55
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE, OCEANOGRAPHY
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME HYDROGRAPHIC SURVEYS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S.,
 COASTAL, MAINE, NEW HAMPSHIRE, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, NEW
 YORK, NEW JERSEY, PENNSYLVANIA, DELAWARE, MARYLAND, DISTRICT OF COLUMBIA,
 VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, FLORIDA, ALABAMA,
 MISSISSIPPI, LOUISIANA, TEXAS, CALIFORNIA, OREGON, WASHINGTON, ALASKA, HAWAII
 ABSTRACT DATA BASE CONSISTS OF OVER 23,000 INDIVIDUAL
 HYDROGRAPHIC SURVEYS SINCE 1834. THESE SURVEYS ARE RECORDED ON BOAT SHEETS ON
 THE VESSEL AS THE SURVEY IS TAKEN, THEN SENT TO THE HYDROGRAPHIC DATA SECTION
 FOR PROCESSING
 NAME CHIEF, HYDROGRAPHIC DATA SECTION, CODE 3233
 PHONE NUMBER 301 456 8406
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME HYDROGRAPHY OF CAPE FEAR AREA, NORTH CAROLINA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, CAPE
 FEAR
 ABSTRACT A TWO AND ONE HALF YEAR STUDY ON THE HYDROGRAPHY OF
 THE CAPE FEAR AREA IN NORTH CAROLINA WAS CONDUCTED. STUDY INCLUDES SUCH
 PARAMETERS AS SALINITY, TEMPERATURE AND DISSOLVED OXYGEN.
 NAME E.J. COPELAND
 PHONE NUMBER 919 737 2565
 INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
 CITY RALEIGH
 STATE NORTH CAROLINA
 ZIP CODE 27607

FILE NAME HYDROGRAPHY OF THE BROADKILL RIVER ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, BROADKILL
 RIVER, COASTAL
 ABSTRACT HYDROGRAPHIC SURVEYS OF THE BROADKILL RIVER WERE
 MADE TO DETERMINE THE NET CIRCULATION PATTERN AND THE FLUSHING RATE. SALINITY,
 TEMPERATURE, AND CURRENT VELOCITY WERE MEASURED. THE NET CIRCULATION PATTERN
 OF THIS ESTUARY IS ONE IN WHICH EBBING CURRENTS DOMINATE THE WATER COLUMN AT
 ALL LEVELS.
 NAME INTERLIBRARY LOAN
 PHONE NUMBER 302 738 2236
 INSTITUTION OR AGENCY MORRIS LIBRARY, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME HYDROLOGY OF THE COLUMBIA (PLEISTOCENE) DEPOSITS OF
 DELAWARE AN APPRAISAL OF A REGIONAL WATER-TABLE AQUIFER
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT THE RESULTS OF A QUANTITATIVE HYDROLOGIC APPRAISAL
 OF COLUMBIA (PLEISTOCENE) DEPOSITS IN DELAWARE ARE PRESENTED IN REPORT FORM.
 THE PURPOSE OF THE STUDY WAS TO DEFINE THE HYDRAULIC CHARACTERISTICS OF THE
 REGIONAL WATER TABLE AQUIFER, TO ESTIMATE RECHARGE TO AND DISCHARGE FROM THE
 AQUIFER AND TO ASCERTAIN THE LONG-TERM AVAILABILITY OF WATER FROM THE AQUIFER.
 DATA USED IN THE REPORT WERE COLLECTED FROM 1952 THROUGH 1971. PARAMETER
 MEASUREMENTS INCLUDE WATER LEVELS IN WELLS, THICKNESS OF SATURATED COLUMBIA
 DEPOSITS, TRANSMISSIVITY VALUES OF THE AQUIFER AND RELATIONS OF GROUND WATER
 TO SURFACE WATER.
 NAME STAFF
 PHONE NUMBER 302 738 2633
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME I-95, ROUTE 40 CORRIDOR TRANSPORTATION STUDY NEW
 CASTLE COUNTY, INTERIUM REPORT, NO. 2
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, CENTRAL NEW CASTLE
 COUNTY
 ABSTRACT ENVIRONMENTALLY RELATED DATA COLLECTED FROM 1974
 THROUGH 1975 DURING THE DELAWARE I-95 ROUTE 40 CORRIDOR TRANSPORTATION STUDY
 ARE PRESENTED IN REPORT FORM. MEASUREMENT PARAMETERS INCLUDE LAND USE AND
 SURFACE WATER RESOURCE DETERMINATIONS, SPECIES LISTS OF AQUATIC PLANTS AND
 PHYTOPLANKTON PRESENT IN WATER BODIES WITHIN THE CORRIDOR, DISTRIBUTIONS OF
 TREE-ASSOCIATION UNITS IN FORESTED AREAS AND AMBIENT NOISE LEVELS ALONG ALL
 MAJOR ROUTES.
 NAME OFFICE OF PLANNING, RESEARCH AND EVALUATION
 PHONE NUMBER 302 678 5295
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF HIGHWAYS AND TRANSPORTATION
 CITY DEVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME ICHTHYOLOGICAL SURVEY OF NEW JERSEY WARMWATER
 STREAMS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT A STUDY WAS CONDUCTED FROM OCTOBER 1973 THROUGH
 JULY 1976 TO DETERMINE POPULATIONS AND DISTRIBUTIONS OF FISHES IN NEW JERSEY'S
 WARMWATER STREAMS. FISHES WERE SAMPLED BY ELECTROSHOCKING. WET WEIGHTS WERE
 TAKEN OF ALL COLLECTED FISHES. MEASURED PARAMETERS OF WATER QUALITY INCLUDED
 TEMPERATURE, DISSOLVED OXYGEN GAS AND PH.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08832

FILE NAME IDENTIFICATION OF GRAMINEAE FRAGMENTS IN SALT
 MARSH PEATS AND THEIR USE IN LATE MIOCENE PALEO ENVIRONMENTAL RECONSTRUCTIONS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, BOWERS BEACH, LEWES
 BEACH, SOUTH BOWERS MARSH, LEWES CREEK MARSH
 ABSTRACT SALT MARSH PEAT HORIZONS FROM ELEVEN CORES TAKEN IN
 THE MARSH LOCALITIES IN DELAWARE WERE STUDIED USING LIGHT AND STEREOSCAN
 MICROSCOPE TECHNIQUES. THE NATURE OF ORGANIC MATERIAL IN EACH CORE IS
 DESCRIBED ALONG WITH PARTICLE SIZE ANALYSIS.
 NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME IMMUNODIFFUSION IDENTIFICATION OF FISH EGGS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 NEW JERSEY, STONE HARBOR
 ABSTRACT 4 STATIONS LOCATED AT STONE HARBOR WERE SAMPLED
 FROM MARCH 1973 TO THE PRESENT FOR TEMPERATURE, SALINITY, DISSOLVED OXYGEN,
 COUNT AND SPECIES DETERMINATION OF ZOOPLANKTON, AND FECUNDITY OF DEMERSAL AND
 PELAGIC FISH.
 NAME SIDNEY S. HERMAN, DIRECTOR
 PHONE NUMBER 215 691 7000 X583
 INSTITUTION OR AGENCY THE WETLANDS INSTITUTE
 STREET LEHIGH UNIVERSITY
 CITY BETHLEHEM
 STATE PENNSYLVANIA
 ZIP CODE 18015

FILE NAME INDIAN RIVER ESTUARY STUDY-1975 ANNUAL REPORT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE,
 INDIAN RIVER, INDIAN RIVER BAY
 ABSTRACT THIS REPORT CONTAINS CHEMICAL AND NUTRIENT DATA FOR
 THE INDIAN RIVER ESTUARY SYSTEM FROM JUNE 1974 TO JUNE 1975. INCLUDED IN THIS
 FILE IS INFORMATION ON TEMPERATURE, SALINITY, PH, DISSOLVED OXYGEN, DISSOLVED
 ORGANIC AND INORGANIC CARBON, NITRATE, NITRITE, DISSOLVED ORGANIC NITROGEN,
 ORTHOPHOSPHATE, TOTAL DISSOLVED PHOSPHORUS, SILICATE, TOTAL SOLIDS, CHLORIDE,
 SULFATE, IRON, CALCIUM, MAGNESIUM, POTASSIUM, MANGANESE, COPPER, NICKEL, AND
 ZINC CONCENTRATION. THIS DATA WAS TAKEN AS PART OF AN ENVIRONMENTAL IMPACT
 STUDY BY ECOLOGICAL ANALYSTS, INC. FOR DELMARVA POWER AND LIGHT COMPANY.

NAME JOHN ERAY
 PHONE NUMBER 301 435 4000
 INSTITUTION OR AGENCY ECOLOGICAL ANALYSTS INC.
 STREET 600 WYNDLERST AVENUE
 CITY BALTIMORE
 STATE MARYLAND
 ZIP CODE 21210

FILE NAME INDIAN RIVER INLET WAVE PATTERN STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, INDIAN
 RIVER INLET
 ABSTRACT MISSION W258, FLIGHT 01 WAS ACCOMPLISHED ON 10
 DECEMBER, 1974. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY WAVE PATTERNS IN THE
 INDIAN RIVER INLET AND BETHANY BEACH AREAS OF THE DELAWARE COAST.

NAME C. WHITLOCK
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCFS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME INDIAN RIVER INLET WAVE STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, MARYLAND
 ABSTRACT MISSION W229, FLIGHT 02, WAS ACCOMPLISHED ON AUGUST
 17, 1973, UTILIZING THE WALLCFS STATION C54 AIRCRAFT EQUIPPED WITH A T-11
 AERIAL MAPPING CAMERA AND A HELIUM NEON LASER IN COOPERATION WITH THE NASA
 LANGLEY RESEARCH CENTER AND THE COLLEGE OF MARINE STUDIES AT THE UNIVERSITY OF
 DELAWARE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL PHOTOGRAPHY AND
 LASER PROFILES OF WAVES APPROACHING INDIAN RIVER BAY, DELAWARE FROM A DISTANCE
 OF 50 MILES OFF SHORE UP TO THE INDIAN RIVER INLET.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCFS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME INDIAN RIVER MANAGEMENT (DELAWARE), OCCURRENCE,
 ABUNDANCE AND GROWTH OF MENHADEN
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE, DELAWARE
 BAY, INDIAN RIVER
 ABSTRACT 8 SEINE HALLS PER WEEK FOR 12 WEEKS OF OCCURRENCE,
 ABUNDANCE AND GROWTH DATA OF MENHADEN IN THE INDIAN RIVER, DELAWARE. DATA IN
 REPORTS AND ON DATA SHEETS.

NAME GEORGE GRANT
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME INDUSTRIAL WASTE SAMPLING REPORT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND, PATCHOGUE
 ABSTRACT 1 STATION AT AN INDUSTRIAL COMPLEX LOCATED IN
 PATCHOGUE WAS SAMPLED FROM FEBRUARY 1973 TO THE PRESENT FOR PH, NICKEL,
 CHROMIUM, ZINC, IRON, LEAD, OILS, AND WATER TRANSPORT.

NAME ROBERT W CARTER
 PHONE NUMBER 516 289 0500
 INSTITUTION OR AGENCY JUSTUS ROE AND SONS, INC
 STREET 217 FIVER AVENUE, P.O. BOX 471
 CITY PATCHOGUE
 STATE NEW YORK
 ZIP CODE 11772

FILE NAME INDUSTRIAL WASTELINE STUDY - A SYSTEM FOR
CONTROLLED OCEAN DISPOSAL
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, CONTINENTAL SLOPE, OFFSHORE
OF NEW JERSEY AND DELAWARE

ABSTRACT THIS STUDY WAS CONDUCTED TO DETERMINE THE
TECHNICAL, ECONOMIC, AND ECOLOGIC FEASIBILITY OF DELIVERING WATERBORNE WATER
CONCENTRATES FROM PHILADELPHIA TO BEYOND THE CONTINENTAL SHELF. THE INTENT IS
TO DISPOSE OF UNUSABLE RESIDUES AND POLLUTANTS IN A CONTROLLED AND EFFECTIVE
MANNER THAT WILL AVOID ENVIRONMENTAL DAMAGE. DATA COLLECTED IN THE STUDY AREA
INCLUDES FAUNAL POPULATIONS, CURRENT AND TEMPERATURE MEASUREMENTS, DISSOLVED
OXYGEN AND OCEANIC CHEMICAL ANALYSES. DATA AND SAMPLES WERE COLLECTED FROM
SHIP AND SUBMERSIBLE.

NAME CHARLES T. DAVEY
PHONE NUMBER 215 448 1000
INSTITUTION OR AGENCY FRANKLIN INSTITUTE RESEARCH LABORATORIES
STREET BENJAMIN FRANKLIN PARKWAY
CITY PHILADELPHIA
STATE PENNSYLVANIA
ZIP CODE 19103

FILE NAME INHIBITION OF PERENNIALS BY YELLOW FOXTAIL GR
FIRST-YEAR OLD FIELDS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, WARREN COUNTY
ABSTRACT IF ARABLE LAND IN TEMPERATE EASTERN UNITED STATES
IS PLOWED IN THE SPRING AND THEN ABANDONED A DENSE STAND OF ANNUAL PLANTS WILL
USUALLY DEVELOP DURING THAT GROWING SEASON. THE SMALL NUMBER AND STUNTED SIZE
OF PERENNIALS IS DETERMINED TO BE DUE TO THIS DENSITY OF ANNUAL PLANTS.

NAME REFERENCE LIBRARIAN
PHONE NUMBER 201 732 1766
INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
CITY NEW BRUNSWICK
STATE NEW JERSEY
ZIP CODE 08903

FILE NAME INNER NASSAU COUNTY SHELF BETWEEN OFFSHORE SEWAGE
SLUDGE DISPOSAL AREA AND LONG BEACH ISLAND
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. BIGHT, LONG
ISLAND, COASTAL

ABSTRACT A DETAILED STUDY OF HEAVY METALS IN SEDIMENTS OF
THE INNER LONG ISLAND SHELF HAS BEEN UNDER INVESTIGATION SINCE DECEMBER 1973.
APPROXIMATELY 200 STATIONS HAVE BEEN SAMPLED BETWEEN THE OFFSHORE SEWAGE
SLUDGE DISPOSAL AREA AND LONG BEACH ISLAND. SEDIMENTS HAVE BEEN ANALYZED FOR
CADMIUM, ZINC, NICKEL, COBALT, LEAD, COPPER, CHROMIUM, MERCURY, SILVER, TIN,
VANADIUM, AND POLYEDENUM AND CHEMICAL OXYGEN DEMAND. OXYGEN PROFILING HAS BEEN
DONE AT 100 ADDITIONAL STATIONS.

NAME WILLIAM HARRIS
PHONE NUMBER 212 780 5417
INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, BROCKLYN COLLEGE
CITY BROCKLYN
STATE NEW YORK
ZIP CODE 11210

FILE NAME INSECT PARASITES OF THE GREEN CLOVERWORM,
PHATYPENA SCABRA (F)
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
FIELD STUDIES CONDUCTED IN DELAWARE DURING 1965 TO DETERMINE THE SPECIES OF
INSECTS WHICH PARASITIZE THE GREEN CLOVERWORM LARVA, THE DEGREE OF PARASITISM
BY EACH SPECIES AND THEIR SEASONAL DISTRIBUTIONS. INCLUDED IS THE SEASONAL
DISTRIBUTION OF THE ADULT GREEN CLOVERWORM AS DETERMINED BY COLLECTION IN A
BLACKLIGHT TRAP.

NAME MORRIS LIERARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME INTAKE SCREEN SURVEY DATA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER BASIN
ABSTRACT BIWEEKLY IDENTIFICATION, COUNT AND TOTAL LENGTH OF
FISH CAUGHT IN INDUSTRIAL AND POWER PLANT INTAKE SCREENS ALONG THE DELAWARE
RIVER. DATA INCLUDES TEMPERATURE AND DISSOLVED OXYGEN OBSERVATIONS.

NAME JOSEPH F. MILLER
PHONE NUMBER 609 397 0115
INSTITUTION OR AGENCY DELAWARE RIVER BASIN, ANADROMOUS FISHERIES STUDY
STREET P.O. BOX 95
CITY ROSEMONT
STATE NEW JERSEY
ZIP CODE 08556

FILE NAME INTERNAL AND EXTERNAL TRANSPORT OF ALGAE, PROTOZOA,
AND FUNGI BY SEA GULLS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
ABSTRACT INVESTIGATION OF INTERNAL AND EXTERNAL TRANSPORT OF
ALGAE, FUNGI, AND PROTOZOA BY SEA GULLS FROM NORTH CAROLINA. ANALYSIS INCLUDED
INSPECTION OF TOTAL DIGESTIVE TRACT FROM ESOPHAGUS TO CECUM OF 64 GULLS FOR
ALGAE AND PROTOZOA AND 34 GULLS FOR FUNGI. EXTERNAL INSPECTION OF 20 GULLS;
FEATHERS, BEAKS AND FEET FOR ALGAE, PROTOZOA, AND FUNGI.

NAME LIBRARIAN
PHONE NUMBER 919 737 3364
INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
STREET C.H. HILL LIBRARY
CITY RALEIGH
STATE NORTH CAROLINA
ZIP CODE 27607

FILE NAME INTERSTITIAL WATERS OF DEEP SEA CORES
GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS
INSTITUTION OF OCEANOGRAPHY IS AFFILIATED WITH THE JOINT OCEANOGRAPHIC
INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). DSDP HAS TAKEN GEOLOGICAL AND
GEOPHYSICAL DATA FROM THE DRILLING SHIP GLomar CHALLENGER AT 363 SITES OVER
THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED AND ARCHIVED BY
THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND RETRIEVAL
METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE FROM THE
GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS A
SEPARATE FILE. THE INTERSTITIAL WATER OF EACH CORE WAS ROUTINELY SAMPLED AND
MEASUREMENTS OF PH, EH, SALINITY, SULFIDE AND CALCIUM CONCENTRATIONS WERE MADE.

NAME COORDINATING STAFF SCIENTIST
PHONE NUMBER 714 452 3526
INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF
OCEANOGRAPHY
STREET P.O. BOX 1929
CITY LA JOLLA
STATE CALIFORNIA
ZIP CODE 92093

FILE NAME INVENTORY OF THE CHARTER BOAT INDUSTRY IN NEW YORK
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK
ABSTRACT INVENTORY OF THE CHARTER BOAT INDUSTRY IN NEW YORK.
257 BOAT OPERATORS WERE FOUND. A MAP OF THE DISTRIBUTION OF CHARTER BOATS AND
A LIST OF OPERATORS WAS PREPARED. 90 OPERATORS WERE INTERVIEWED WITH A
COMPREHENSIVE SURVEY.

NAME NIKLOS A. GRATZER
PHONE NUMBER 315 473 8650
INSTITUTION OR AGENCY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
STREET 113 MARSHALL HALL
CITY SYRACUSE
STATE NEW YORK
ZIP CODE 13210

FILE NAME INVESTIGATION OF SURFACE AND SUBSURFACE SEDIMENTARY
DEPOSITS IN OFFSHORE ENVIRONMENTS OF LONG ISLAND
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. BIGHT, LONG
ISLAND, FIRE ISLAND, COASTAL
ABSTRACT AN INVESTIGATION OF SURFACE AND SUBSURFACE
SEDIMENTARY DEPOSITS IN OFFSHORE ENVIRONMENTS OF SOUTHERN LONG ISLAND HAS BEEN
INITIATED. APPROXIMATELY 80 SURFACE GRAVE SAMPLES TAKEN WITH A SHIPER SAMPLER
ARE UNDERGOING SIZE AND MINERALOGICAL ANALYSES. A SERIES OF SEDIMENT CORES
HAVE ALSO BEEN ANALYZED MEGASCOPICALLY AND BY X-RAY TECHNIQUES. SEISMIC
REFRACTION PROFILES WERE RUN ON THREE PARALLEL EAST-WEST TRENDING LINES FROM
REYNOLDS CHANNEL TO EAST OF MORICHES INLET. PROJECTS CONCERNING THE PRESENCE
AND DISTRIBUTION OF MICROFLORA AND MICROFAUNA ARE ALSO UNDER INVESTIGATION.

NAME DR. ANTHONY CCK
INSTITUTION OR AGENCY ADELPHI UNIVERSITY, INSTITUTE OF MARINE SCIENCE
STREET SOUTH ST.
CITY GARDEN CITY
STATE NEW YORK
ZIP CODE 11530

FILE NAME INVESTIGATION OF SURFACE AND SUBSURFACE SEDIMENTARY
DEPOSITS IN OFFSHORE ENVIRONMENTS OF SOUTHERN LONG ISLAND
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
OFF OF FIRE ISLAND.
ABSTRACT SEISMIC REFRACTION PROFILES, SEDIMENT SIZE ANALYSIS
& SEDIMENT STRUCTURE MEASUREMENTS WERE CONDUCTED AT 81 STATIONS OFF OF FIRE
ISLAND BETWEEN MARCH 1972 TO AUGUST 1972.

NAME DR. ANTHONY CCK
PHONE NUMBER 516 294 8700
INSTITUTION OR AGENCY ADELPHI UNIVERSITY, INSTITUTE OF MARINE SCIENCE
STREET SOUTH ST.
CITY GARDEN CITY
STATE NEW YORK
ZIP CODE 11530

FILE NAME INVESTIGATIONS IN THE MORTALITY OF STOCKED TROUT IN
 NEW JERSEY STREAMS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, NORTHERN COUNTIES
 ABSTRACT STUDIES WERE CONDUCTED IN NEW JERSEY TROUT STREAMS
 FROM OCTOBER 1964 THROUGH FEBRUARY 1966 TO DETERMINE IN SITU MORTALITIES OF
 THREE SPECIES OF STOCKED TROUT. CHEMICAL PARAMETERS OF WATER QUALITY MEASURED
 DURING THE MORTALITY STUDIES INCLUDED TEMPERATURE, DISSOLVED OXYGEN GAS, TOTAL
 ALKALINITY, PH, AND CONCENTRATIONS OF NUTRIENTS AND METALS.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME INVESTIGATIONS INTO THE SOUTHERN NEW ENGLAND RED
 CRAB FISHERY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, "RABBIT EARS" FISHING GROUND AND
 JEFFRIES LEDGE
 ABSTRACT ARTHUR GANZ AND J.F. FERRMAN CONDUCTED
 INVESTIGATIONS INTO THE SOUTHERN NEW ENGLAND RED CRAB (GERYON QUINQUEDENS)
 FISHERY DURING 1972 AND 1974. SAMPLING WAS CONDUCTED OFF THE RHODE ISLAND
 COAST AT THE "RABBIT EARS" FISHING GROUND AND IN THE GULF OF MAINE AT JEFFRIES
 LEDGE. THE PARAMETERS INCLUDED IN THIS STUDY ARE: SPECIES DETERMINATION,
 COUNT, BIOLOGICAL CONDITION, SEX, CARAPACE WIDTH, CATCH/EFFORT, DEVELOPMENTAL
 STAGE, AND MIGRATION STUDIES OF BENTHIC ANIMALS.
 NAME ARTHUR R. GANZ
 PHONE NUMBER 401 294 4524
 INSTITUTION OR AGENCY RHODE ISLAND DEPARTMENT OF NATURAL RESOURCES,
 DIVISION OF FISH AND WILDLIFE
 STREET 150 FOWLER STREET
 CITY WICKFORD
 STATE RHODE ISLAND
 ZIP CODE 02852

FILE NAME INVESTIGATIONS OF MARYLAND'S TIDAL SHORELINES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND, ASSATEAGUE ISLAND TO FENWICK ISLAND
 ABSTRACT MISSION W186, FLT. 1, FEB. 12, 1973, WITH HALLOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AND AN I2S CAMERA SYSTEM IN
 COOPERATION WITH MD. GEOLOGICAL SURVEY. OBJECTIVE - TO CONTINUE MONITORING THE
 MD. SHORELINES FOR CHANGES IN LAND FORM CONFIGURATION AND UNDERWATER SHIFTS IN
 SAND BARS AND CHANNELS. IMAGERY WILL ALSO BE USED WHEN POSSIBLE FOR LAND USE,
 COMMUNITY ORGANIZATION, AND ARCHEOLOGICAL STUDIES. FLIGHT IN CLEAR WEATHER,
 AIR TEMP. 4 DEG. C AT 10,500 FT., MSL WITH WIND OF 28 KNOTS FROM 320 DEG.
 NAME PAUL ALFOSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY HALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 22337

FILE NAME INVESTIGATIONS OF MARYLAND'S TIDAL SHORELINES OF THE
 CHESAPEAKE BAY AND THE ATLANTIC OCEAN
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 MARYLAND
 ABSTRACT MISSION W174, FLIGHT 1, OCTOBER 20, 1972, WITH
 HALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND A I2S
 FOUR-CHANNEL CAMERA IN COOPERATION WITH MD. GEOLOGICAL SURVEY THROUGHOUT A
 LARGE PORTION OF CHESAPEAKE BAY, MD. REGION. OBJECTIVE - TO ACQUIRE AIRBORNE
 MULTI-CHANNEL BLACK & WHITE AND FALSE COLOR IMAGERY FOR INVESTIGATION OF MD.
 TIDAL SHORELINES TO SUPPORT ERIS INVESTIGATIONS. WEATHER - CLEAR, VISIBILITY
 10-12 MILES, AIR TEMP. 10 DEG. C AT 10,500 FT., MSL WITH A WIND OF 35 KNOTS
 FROM 320 DEG.
 NAME PAUL ALFOSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY HALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 22337

FILE NAME INVESTIGATIONS ON FISHES CAPTURED BY TRAWLS IN THE
 DELAWARE BAY AREA, HYDROGRAPHIC STUDIES IN THE DELAWARE RIVER ESTUARY AND A
 PILOT STUDY OF NUTRIENTS IN THE DELAWARE RIVER ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., DELAWARE BAY
 ABSTRACT DATA COLLECTED DURING A STUDY CONDUCTED FROM 1958
 TO 1959 ON FISH POPULATIONS, HYDROGRAPHIC CONDITIONS AND NUTRIENT
 CONCENTRATIONS OF DELAWARE BAY ARE PRESENTED IN REPORT FORM. EMPHASIZED IN
 THE INVESTIGATION ARE SPECIES AND COUNTS OF FISH SAMPLED BY OTTER TRAWL AND
 MEASUREMENTS OF WEATHER CONDITIONS, WATER TEMPERATURE, SALINITY, DISSOLVED
 OXYGEN GAS AND ORGANIC AND INORGANIC PHOSPHATE CONCENTRATIONS.
 NAME STAFF - DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME IONOSPHERE VERTICAL SOUNDINGS B.1 HOURLY VALUES
 GENERAL GEOGRAPHIC AREA WORLDWIDE, LAND
 ABSTRACT DATA SHEETS OF HOURLY VALUES FOR EACH
 CHARACTERISTIC SCALED BY A STATION. THE MOST IMPORTANT AND MOST COMMONLY
 SCALED CHARACTERISTICS ARE FOF2, M3000F2, F0ES AND F-MIN. OTHER
 CHARACTERISTICS ARE SCALED BY MANY STATIONS. HOURLY MONTHLY MEDIAN VALUES
 DERIVED FROM THE HOURLY VALUES FOR NEARLY ALL STATIONS ARE PUBLISHED IN
 IONOSPHERIC DATA AND ARE ALSO AVAILABLE ON PUNCHED CARDS OR MAGNETIC TAPE.
 NAME DIVISION CHIEF
 PHONE NUMBER 303 499 1000 X6467
 INSTITUTION OR AGENCY SOLAR-TERRRESTRIAL PHYSICS D63
 STREET NCAA/ECS/NGSDC
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME IONOSPHERIC BACK AND FORWARD SCATTER E.12
 GENERAL GEOGRAPHIC AREA WORLDWIDE, LAND
 ABSTRACT SOME DATA ARE OF OCCURRENCE (YES OR NO) ONLY -
 OTHER DATA (BACKSCATTER) GIVE RADIC RANGE (KM) AND DIRECTION (DEGREES).
 FORWARD SCATTER DATA ARE OF SIGNAL INTENSITY OF THE SCATTERED SIGNAL. DATA MAY
 BE ON STRIP CHARTS, X-Y PLOTS, OR DATA SHEETS.
 NAME DIVISION CHIEF
 PHONE NUMBER 303 499 1000 X6467
 INSTITUTION OR AGENCY SOLAR-TERRRESTRIAL PHYSICS D63
 STREET NCAA/ECS/NGSDC
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME IONOSPHERIC ELECTRON DENSITY, N(H) (VERTICAL
 INCIDENCE) B.1
 GENERAL GEOGRAPHIC AREA WORLDWIDE, LAND
 ABSTRACT ELECTRON DENSITY VS HEIGHT, N(H), IS DETERMINED BY
 SPECIAL REDUCTION OF IONOGRAMS APPLYING CERTAIN MODELS OF IONOSPHERIC
 STRUCTURE. N(H) PROFILES CAN BE REDUCED FROM ANY IONOGRAM WHICH SHOWS
 SUFFICIENT DETAIL. COMPOSITE N(H) PROFILES CAN ALSO BE PREPARED WHICH GIVE
 HOURLY MEDIAN ELECTRON DENSITY VALUES.
 NAME DIVISION CHIEF
 PHONE NUMBER 303 499 1000 X6467
 INSTITUTION OR AGENCY SOLAR-TERRRESTRIAL PHYSICS D63
 STREET NCAA/ECS/NGSDC
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME IONOSPHERIC VERTICAL SOUNDINGS B.1 IONOGRAMS
 GENERAL GEOGRAPHIC AREA WORLDWIDE, LAND
 ABSTRACT THESE ARE THE BASIC RAW DATA FOR IONOSPHERIC
 VERTICAL INCIDENCE SOUNDINGS. MANY DIFFERENT FEATURES (IONOSPHERIC
 CHARACTERISTICS) ARE SCALED FROM THE IONOGRAMS AND ARE PRESENTED ON DATA
 SHEETS AS HOURLY VALUES, MONTHLY MEDIANS, ETC; OR ARE PLOTTED ON RADIC
 FREQUENCY VS TIME PLOTS. IONOGRAMS ARE ALSO ANALYZED TO GIVE ELECTRON DENSITY
 VS HEIGHT (VERTICAL) DATA, N(H).
 NAME DIVISION CHIEF
 PHONE NUMBER 303 499 1000 X6467
 INSTITUTION OR AGENCY SOLAR-TERRRESTRIAL PHYSICS D63
 STREET NCAA/ECS/NGSDC
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME IONOSPHERIC VERTICAL SOUNDINGS - F PLOTS E.1
 GENERAL GEOGRAPHIC AREA WORLDWIDE, LAND
 ABSTRACT THESE ARE PLOTS OF THE DIURNAL VARIATION OF SEVERAL
 IONOSPHERIC CHARACTERISTICS, USUALLY BASED UPON 15 MINUTE VALUES, SOMETIMES ON
 HOURLY VALUES. CHARACTERISTICS ARE F-MIN, FBES, F0E, F0F1, F0F2, F0F2, AND
 TYPE ES. NOT ALL STATIONS PREPARE F-PLOTS BUT HOURLY VALUE F-PLOTS CAN BE
 PRODUCED FROM HOURLY VALUE DATA SHEETS.
 NAME DIVISION CHIEF
 PHONE NUMBER 303 499 1000 X6467
 INSTITUTION OR AGENCY SOLAR-TERRRESTRIAL PHYSICS D63
 STREET NCAA/ECS/NGSDC
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME JAMESPORT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 JAMESPORT
 ABSTRACT 17 STATIONS LOCATED AT JAMESPORT, LONG ISLAND, WERE
 SAMPLED FROM JULY 1973 TO JULY 1974 FOR CHLOROPHYLL A, PHOTOSYNTHETIC RATE,
 COUNT OF PHYTOPLANKTON, COUNT OF ZOOPLANKTON, BIOMASS OF ZOOPLANKTON, COUNT OF
 DEMERSAL FISH, COUNT OF PELAGIC FISH, BIOMASS OF DEMERSAL FISH, BIOMASS OF
 PELAGIC FISH, LENGTH OF DEMERSAL FISH, LENGTH OF PELAGIC FISH, WEIGHT OF
 DEMERSAL FISH, WEIGHT OF PELAGIC FISH, AGE DATING OF DEMERSAL FISH, AGE DATING
 OF PELAGIC FISH, STOMACH CONTENT ANALYSIS OF DEMERSAL FISH, STOMACH CONTENT
 ANALYSIS OF PELAGIC FISH, GONADAL DEVELOPMENT OF DEMERSAL FISH, GONADAL
 DEVELOPMENT OF PELAGIC FISH, COUNT OF BENTHIC ANIMALS, BIOMASS OF BENTHIC
 ANIMALS, AND SEDIMENT SIZE ANALYSIS.

NAME HERBERT AUSTIN
 PHONE NUMBER 516 668 5600
 INSTITUTION OR AGENCY NEW YORK OCEAN SCIENCE LABORATORY
 STREET CRATER EE
 CITY MONTAUK
 STATE NEW YORK
 ZIP CODE 11954

FILE NAME JAPANESE GREEN PHEASANT INVESTIGATION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT PEN-RAISED JAPANESE GREEN PHEASANTS HAVE BEEN
 RELEASED ANNUALLY IN THE SPRING SINCE 1972 IN SIX NEW JERSEY COUNTIES, IN A
 VARIETY OF HABITATS TYPES ALL VOID OF NATIVE PHEASANT POPULATIONS, IN ORDER TO
 ESTABLISH SELF-SUSTAINING POPULATIONS OF THE PHEASANT. DATA ON THE DISPERSAL
 AND SUCCESS OF RELEASED PHEASANTS HAVE BEEN PRESENTED IN REPORT FORM.

NAME PRINCIPAL WILDLIFE BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET PC BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME JELLYFISH INVESTIGATION, QUARTERLY REPORT, 1 APRIL
 - 30 JUNE 1971
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY
 ABSTRACT 32 STATIONS WERE SAMPLED FOR JELLYFISH POLYPS AND
 CYSTS ON NATURAL CYSTER SHELL SUBSTRATE SEPTEMBER THROUGH DECEMBER 1971. ONE
 STATION WAS OBSERVED FOR MEDUSAE FROM 29 MARCH 1971, TO 3 SEPTEMBER, 1971.

NAME DEXTER HAVEN
 PHONE NUMBER 804 642 2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME JERSEY CENTRAL POWER AND LIGHT AIR MONITORING
 NETWORK
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, GILBERT, GLEN
 GARDNER, SAYREVILLE, UNION BEACH, WERNER
 ABSTRACT JERSEY CENTRAL POWER AND LIGHT COMPANY MONITORED
 POLLUTION AND WEATHER CONDITIONS NEAR THE SITES OF THEIR POWER GENERATING
 STATIONS BETWEEN APRIL, 1975 AND AUGUST, 1977 AND PLACED THE DATA IN REPORTS.
 THREE POLLUTION MONITORING SITES WERE LOCATED NEAR THE GILBERT POWER PLANTS,
 ONE NEAR THE GLEN GARDNER PLANT, TWO NEAR THE SAYREVILLE PLANTS, TWO SITES
 NEAR THE UNION BEACH PLANTS AND TWO NEAR THE WERNER PLANTS. HOURLY AVERAGES OF
 DIFFERENT POLLUTANTS WERE RECORDED AT ALL TEN MONITORING STATIONS.
 METEOROLOGICAL DATA WERE ONLY RECORDED AT SIX STATIONS GILBERT 1 AND 3, GLEN
 GARDNER, SAYREVILLE 1, UNION BEACH 1, AND WERNER 1.

NAME SENIOR ENVIRONMENTAL SPECIALISTS
 PHONE NUMBER 609 292 6723
 INSTITUTION OR AGENCY NEW JERSEY BUREAU OF AIR POLLUTION CONTROL
 STREET LABOR AND INDUSTRY BUILDING
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME JUVENILE ABUNDANCE AND MIGRATION SURVEY OF ATLANTIC
 MENHADEN
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MAINE TO FLORIDA
 ABSTRACT TEN YEAR SURVEY OF ATLANTIC MENHADEN FROM MAINE TO
 FLORIDA. SCATTERED EARLIER DATA AVAILABLE. DATA ON OTHER SPECIES AVAILABLE BUT
 INCONSISTENT.

NAME DIRECTOR
 PHONE NUMBER 919 726 4595
 INSTITUTION OR AGENCY ATLANTIC ESTUARINE FISHERIES CENTER
 STREET NATIONAL MARINE FISHERIES SERVICE
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME JUVENILE AMERICAN SHAD LOWER RIVER TRAWLING DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER BASIN
 ABSTRACT CUTTER AND COBB TRAWL SAMPLES WERE TAKEN EIGHTHLY
 TO DETERMINE THE MOVEMENT OF JUVENILE ALGOSICS IN THE LOWER DELAWARE RIVER.
 NAME JOSEPH P. MILLER
 PHONE NUMBER 609 397 0115
 INSTITUTION OR AGENCY DELAWARE RIVER BASIN, ANADROMOUS FISHERIES STUDY
 STREET P.O. BOX 95
 CITY ROSELAND
 STATE NEW JERSEY
 ZIP CODE 08556

FILE NAME JUVENILE AMERICAN SHAD UPPER RIVER RELATIVE ABUNDANCE
 DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER BASIN
 ABSTRACT IDENTIFICATION, COUNT, AND TOTAL LENGTH OF ALL
 SPECIES CAUGHT AT 14 NON-TIDAL DELAWARE RIVER STATIONS. DATA INCLUDES
 TEMPERATURE AND CURRENT OBSERVATIONS.
 NAME JOSEPH P. MILLER
 PHONE NUMBER 609 397 0115
 INSTITUTION OR AGENCY DELAWARE RIVER BASIN, ANADROMOUS FISHERIES STUDY
 STREET P.O. BOX 95
 CITY ROSELAND
 STATE NEW JERSEY
 ZIP CODE 08556

FILE NAME KILLIFISH PREDATION OF MOSQUITOES IN LOW LEVEL
 IMPOUNDED DELAWARE SALT MARSHES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, KENT COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 STUDIES CONDUCTED FROM 1967 TO 1969 IN TWO LOW LEVEL IMPOUNDED MARSHES, KENT
 COUNTY, DELAWARE TO DETERMINE THE EFFECTIVENESS OF INDIGENOUS KILLIFISH AS
 PREDATORS OF MOSQUITO LARVAE AND THE DISTRIBUTION AND SPECIES COMPOSITION OF
 THE POPULATIONS THROUGHOUT THE SEASON. INCLUDED ARE OBSERVATIONS ON THE EXTENT
 OF MOSQUITO BREEDING IN IMPOUNDED AREAS AND THE EFFECTS OF IMPOUNDMENTS ON THE
 ECOSYSTEM PRESENT IN THE WALTERED MARSH.
 NAME MORRIS LITERARY
 PHONE NUMBER 302 736 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME KILLIFISH PREDATION OF MOSQUITOES IN LOW LEVEL
 IMPOUNDED DELAWARE SALT MARSHES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, MURDERKILL RIVER,
 LEIPSIK, WASTEN MARSH AND SHORT MARSH
 ABSTRACT IMPOUNDMENT AND MOSQUITO CONTROL STUDY WAS CARRIED
 OUT FROM MAY TO NOVEMBER, 1968 IN SHORT AND WASTEN MARSHES. PARAMETERS LOOKED
 AT INCLUDE COUNT AND TAXONOMIC LISTS OF FISH, ANIMALS, BIRDS, MOSQUITOS,
 VEGETATION, AND KILLIFISH.
 NAME PAUL CATTS
 PHONE NUMBER 302 736 2526
 INSTITUTION OR AGENCY DEPARTMENT OF ENTOMOLOGY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME KINGS PARK HOSPITAL SEWAGE TREATMENT PLANT DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND, SUFFOLK COUNTY, KINGS PARK
 ABSTRACT 1 STATION AT A SEWAGE TREATMENT PLANT LOCATED AT
 KINGS PARK WAS SAMPLED FROM JANUARY 1970 TO THE PRESENT FOR WATER TRANSPORT,
 PH, WATER TEMPERATURE, BIOCHEMICAL OXYGEN DEMAND, PARTICULATE MATTER, TOTAL
 CHLORINE RESIDUAL, COLIFORMS, SUSPENDED SOLIDS (DRY WEIGHT), DISSOLVED OXYGEN,
 DIGESTOR TEMPERATURE, AND DIGESTOR PH.
 NAME GORDON J. WATT
 PHONE NUMBER 516 234 2622 X242
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL
 CONTROL, WATER POLLUTION CONTROL SECTION
 STREET 1324 METER PARKWAY
 CITY HALFPALGE
 STATE NEW YORK
 ZIP CODE 11767

FILE NAME LAKE EUTROPHICATION CLASSIFICATION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT THE BIOLOGICAL TECHNICAL SUPPORT UNIT OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION HAS BEEN CONDUCTING A WATER SAMPLING PROGRAM ON NEW JERSEY'S LAKES AND PONDS. THIS SAMPLING, ALTHOUGH MAINLY FOR DETERMINATION OF THE TROPHIC STATE OF EACH WATER BODY, HAS INCLUDED WATER QUALITY SAMPLING OF TWENTY-SIX PARAMETERS. FROM 1975 TO 1977, 460 LAKES AND PONDS HAVE BEEN SAMPLED ONCE, AND OF THESE, 299 HAVE BEEN SAMPLED TWICE. THIS IS AN ONGOING STUDY.

NAME CHIEF BIOLOGIST
 PHONE NUMBER 609 292 7754
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER RESOURCES, BIOLOGICAL TECHNICAL SUPPORT UNIT
 STREET P.O. BOX 2809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME LAND USE FILE 1970
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., PENNSYLVANIA, NEW JERSEY, GLoucester, CAMDEN, MERCER, BURLINGTON, MONTGOMERY, DELAWARE, CHESTER, PHILADELPHIA AND BLUCKS COUNTIES
 ABSTRACT THIS FILE CONTAINS THE LAND USE DATA GARNERED FROM THE AERIAL PHOTOGRAPHY OF THE 9 COUNTY DELAWARE VALLEY REGIONS IN NEW JERSEY AND PENNSYLVANIA IN MARCH AND APRIL 1970. THE COUNTIES COVERED INCLUDE MERCER, GLoucester, BURLINGTON, AND CAMDEN IN NEW JERSEY AND DELAWARE, PHILADELPHIA, MONTGOMERY, BUCKS, AND CHESTER IN PENNSYLVANIA. FROM THESE PHOTOGRAPHS 88 CATEGORIES OF LAND USE WERE IDENTIFIED ON A NUMBER OF ACRES PER CENSUS BLOCK PER CATEGORY BASIS. THE TOTAL AREA CATEGORIZED ENCOMPASSES MORE THAN 3000 SQUARE MILES. THE TOTAL LAND USE DATA HAS BEEN TRANSLATED INTO A 13 GENERAL CATEGORY CODED REGIONAL MAP INCLUDED WITH THIS FILE.

NAME MICHAEL WOLFE
 PHONE NUMBER 215 567 3000
 INSTITUTION OR AGENCY DELAWARE VALLEY REGIONAL PLANNING COMMISSION
 STREET 1815 JFK BELLEVUE
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19103

FILE NAME LARVAE AND POSTLARVAE STUDIES OF THE CAPE FEAR
 AREA, N.C.
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, CAPE FEAR
 ABSTRACT A FOUR MONTH STUDY OF LARVAE AND POST-LARVAE FISHES OF CAPE FEAR, NORTH CAROLINA WAS CONDUCTED. STUDY INCLUDED MEASUREMENTS OF SALINITY AND TEMPERATURE AT EACH COLLECTING STATION AS WELL AS COUNTS AND IDENTIFICATION OF PELAGIC AND DEMERSAL FISH LARVAE.

NAME B. J. CEPERANO
 PHONE NUMBER 919 737 2569
 INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
 CITY RALEIGH
 STATE NORTH CAROLINA
 ZIP CODE 27607

FILE NAME LATE PLEISTOCENE STRATIGRAPHY AND PALEOECOLOGY OF
 THE LOWER HUDSON ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, N.Y. BIGHT,
 LOWER HUDSON RIVER ESTUARY
 ABSTRACT FORAMINIFERS AND POLLEN IN CORES TAKEN IN THE HUDSON RIVER ESTUARY FROM PEESKILL, NEW YORK, TO THE NARROWS, ALLOWED THE RECONSTRUCTION OF THE ECOLOGIC AND STRATIGRAPHIC DEVELOPMENT OF THE ESTUARY DURING LATE-PLEISTOCENE TIME. THE NINE CORES, UP TO 285 FEET IN LENGTH, PENETRATED SEDIMENTS THAT WERE DEPOSITED IN FRESH WATER, BRACKISH WATER, AND MARINE ENVIRONMENTS. THE FORAMINIFERS IDENTIFIED IN THE CORES ARE DIVIDED INTO FOUR ASSEMBLAGES, EACH OF WHICH IS CHARACTERISTIC OF A BIOTOPE. THREE OF THE ASSEMBLAGES THRIVE IN THE ESTUARY. THE FOURTH, COMPOSED OF BENTHIC FORAMINIFERS, IS NOW FOUND IN THE AREA NORTHEAST OF EASTERNMOST LONG ISLAND SOUND. TIDAL CONDITIONS WERE ESTABLISHED IN THE ESTUARY PRIOR 13,000 RADIOCARBON YEARS AGO, WHEREAS ESTUARINE CONDITIONS WITH SALINITIES HIGH ENOUGH TO SUPPORT FORAMINIFERS OCCURRED 11,000 YEARS AGO.

NAME DR. DENNIS WEISS
 PHONE NUMBER 212 621 7684
 INSTITUTION OR AGENCY DEPT OF EARTH AND PLANETARY SCIENCES, CITY COLLEGE
 OF NEW YORK
 STREET 138TH STREET AND CONVENT AVENUE
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10031

FILE NAME LEAD POISONING IN CANADA GEESE IN DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, BOMBAY HOOK NATIONAL
 WILDLIFE REFUGE
 ABSTRACT CONDUCTED IN 1966, THIS STUDY REPORTS THE RESULTS
 OF NECROPSIES PERFORMED ON 7 CANADA GEESE SUSPECTED OF LEAD POISONING. THE
 OCCURRENCE OF PARASITES IN ORGANS WAS ALSO NOTED.
 NAME GEORGE E. EAGLEY
 PHONE NUMBER 301 776 4880
 INSTITUTION OR AGENCY U.S. BUREAU OF SPORT FISHERIES AND WILDLIFE
 STREET PATUXENT WILDLIFE RESEARCH CENTER
 CITY LAUREL
 STATE MARYLAND
 ZIP CODE 20610

FILE NAME LENGTH AND THICKNESS OF WHOLE, LIVE HARDSHELL CLAMS
 IN THE GREAT SOUTH BAY NORTH AMERICA, U.S., COASTAL, NEW YORK, GREAT SOUTH
 GENERAL GEOGRAPHIC AREA BAY
 ABSTRACT A STUDY WAS CONDUCTED IN THE GREAT SOUTH BAY, NEAR
 ISLIP, NEW YORK DURING 1976-77, OF THE LENGTH AND THICKNESS OF LIVE HARDSHELL
 CLAMS. ESTIMATIONS WERE MADE OF THE SIZE/AGE RELATIONSHIPS OF THE POPULATION.
 4000 SAMPLES WERE OBSERVED AT 2 STATIONS, EACH VISITED 10 TIMES.
 NAME FREDERICK FARAH
 PHONE NUMBER 607 256 2001
 INSTITUTION OR AGENCY CORNELL UNIVERSITY
 STREET FISH LABORATORY
 CITY ITHACA
 STATE NEW YORK
 ZIP CODE 14853

FILE NAME LICENSE RECORDS OF THE BLUE CRAB FISHERIES VIRGINIA
 AND MARYLAND, 1898-1960
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, MARYLAND
 ABSTRACT SURVEY OF COMMERCIAL BLUE CRAB FISHERY WITH RESPECT
 TO NUMBER OF LICENSES ISSUED, TYPE OF FISHING METHOD USED, TOTAL NUMBER OF
 CRABBERS, NUMBER OF PACKING HOUSES AND THE COST OF LICENSE TAXES; 1898-1960.
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME LIFE HISTORY OF CHLOROPHTHALMUS AGASSIZI
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., NORFOLK CANYON
 ABSTRACT LIFE HISTORY AND DISTRIBUTION DATA FOR
 CHLOROPHTHALMUS AGASSIZI IN THE VICINITY OF NORFOLK CANYON. DATA INCLUDES SEX
 RATIOS, LENGTHS, REPRODUCTIVE STAGE AND FECUNDITY. GOAL IS TO PROVIDE INPUT TO
 TOTAL ECOLOGICAL SURVEY OF SLOPE AND CANYON ICHTHYOFAUNA. OVER 100 SPECIMENS
 OBTAINED TO DATE.
 NAME LABELISH CHAC
 PHONE NUMBER 804 642 2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME LIFE HISTORY STUDIES OF BARNYARD GRASS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 FIELD AND GREENHOUSE STUDIES CONDUCTED IN DELAWARE DURING 1963 AND 1964 TO
 DETERMINE THE EFFECTS OF CERTAIN ENVIRONMENTAL CONDITIONS ON THE GERMINATION,
 GROWTH AND DEVELOPMENTAL OF BARNYARD GRASS. THE ENVIRONMENTAL CONDITIONS WHICH
 WERE STUDIED INCLUDE PHOTOPERIOD, MOISTURE LEVEL, PLANTING DATA AND SHADE
 LEVEL.
 NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME LIMNOLOGICAL SURVEY OF THE BRANDYWINE CREEK
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, DELAWARE,
 BRANDYWINE CREEK
 ABSTRACT A SURVEY OF THE BRANCHES OF THE BRANDYWINE CREEK TO
 DETERMINE RELATIVE CONDITION OF WATER HEALTH OR POLLUTION WAS CONDUCTED.
 FACTORS EXAMINED INCLUDE: NUMBER OF FISH, SPECIES, TEMPERATURE WATER
 TRANSPORT, DISSOLVED OXYGEN, CO₂, ALKALINITY, PH, COLOR AND NUMBERS OF
 INDIVIDUALS IN EACH OF SEVERAL GROUPS OF ORGANISMS.
 NAME ROBERT STRUBLE
 PHONE NUMBER 215 656 0475
 INSTITUTION OR AGENCY BRANDYWINE VALLEY ASSOCIATION INCORPORATED
 STREET 405 FARMERS AND MECHANICS BUILDING
 CITY WEST CHESTER
 STATE PENNSYLVANIA
 ZIP CODE 19380

FILE NAME LIPID GEOCHEMISTRY OF DELAWARE SALT MARSH
 ENVIRONMENTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE TIDAL MARSH REGION
 ABSTRACT DATA FROM THE EXAMINATION OF FREE FATTY ACIDS AND
 ALIPHATIC HYDROCARBONS IN A 4-METER CORE FROM THE GREAT SALT MARSH NEAR LEWES,
 DELAWARE AND IN ESTUARINE, TIDAL CREEK AND SURFACE MARSH SEDIMENTS ARE
 PRESENTED AND DISCUSSED IN REPORT FORM. THE SEDIMENT CORES ARE DIVIDED FOR
 ANALYSIS INTO 20 CM INTERVALS.
 NAME PAUL J. SWETLAND
 PHONE NUMBER 302 645 2665
 INSTITUTION OR AGENCY GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME LIST OF HIGHER MARINE FUNGI ON DECAYING MARINE SALT
 MARSH PLANTS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, ELIZABETH RIVER, LYNNHAVEN BAY, VIRGINIA BEACH, BACK BAY
 ABSTRACT SURVEY OF FUNGI, ASCOMYCETES AND FUNGI IMPERFECTI,
 FOUND ON MARSH GRASS, SPARTINA SPP, IN MARSHES OF THE ELIZABETH RIVER,
 LYNNHAVEN BAY BACK BAY AND VIRGINIA BEACH. CULTURES AND SPECIES DESCRIPTION
 AVAILABLE. SURVEY INCLUDES COMMENTS ON SPECIES DOMINANCE AND ECOLOGY
 NAME PAUL KIRK
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME LITHOLOGIC CONTROL OF STREAMWATER CHEMISTRY IN A
 PORTION OF THE BRANDYWINE CREEK, PA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, CHESTER COUNTY
 ABSTRACT SIX SMALL WATERSHEDS IN A PORTION OF THE BRANDYWINE
 CREEK IN PENNSYLVANIA WERE STUDIED TO DETERMINE IF AND TO WHAT EXTENT DRAINING
 WATERS REFLECTED MINERALOGIC DIFFERENCES AMONG THE RESPECTIVE BASEMENTS. THE
 SIX WATERSHEDS WERE UNDERLAIN BY AMPHIBOLITE, ANORTOSITE, QUARTZ MONZONITE,
 GRANODIORITE, ALBITE CHLORITE SCHIST AND OLIGOCLEASE MICA SCHIST. SAMPLES WERE
 COLLECTED FOR ONE YEAR AT APPROXIMATELY ONE MONTH INTERVALS. THE SAMPLES WERE
 ANALYZED FOR ALL MAJOR IONS PLUS SILICA.
 NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME LITTLE LAKE INLET DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. EIGHT,
 NEW JERSEY, LITTLE LAKE INLET
 ABSTRACT NUMEROUS STATIONS LOCATED AT LITTLE LAKE INLET, NEW
 JERSEY WERE SAMPLED FROM JUNE 1973 TO THE PRESENT FOR CHLOROPHYLL A, B, AND C,
 NITRATE, NITRITE, AMMONIA, TOTAL ORGANIC NITROGEN, DISSOLVED ORGANIC NITROGEN,
 DISSOLVED ORGANIC CARBON, TOTAL PHOSPHORUS, DISSOLVED OXYGEN, PHOTOSYNTHETIC
 RATE, SEDIMENT SIZE ANALYSIS, SALINITY, TEMPERATURE, SECCHI DISC DEPTH, COUNT
 AND SPECIES DETERMINATION OF ZOOPLANKTON.
 NAME JAMES DURAN
 PHONE NUMBER 609 564 1766 X225
 INSTITUTION OR AGENCY RUTGERS UNIVERSITY
 STREET DEPARTMENT OF BIOLOGY, SCIENCE BUILDING
 CITY CAMDEN
 STATE NEW JERSEY
 ZIP CODE 08102

FILE NAME LITTORAL WIND AND WAVE DYNAMIC EFFECTS ON CEDAR
 ISLAND, PARRANCRE ISLAND AND THE WACHAPREAGUE INLET
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WACHAPREAGUE INLET, PARRANCRE ISLAND, CEDAR ISLAND
 ABSTRACT MISSION WIGG, FLT. 1, FEB. 16, 1972, WITH HALLOPS
 STATION CHARTERED HELL HELICOPTER EQUIPPED WITH 4 T-11 AERIAL CAMERAS IN
 COOPERATION WITH THE VA. INSTITUTE OF MARINE SCI. IN WACHAPREAGUE INLET, VA.
 AREA. OBJECTIVE - TO OBTAIN NATURAL AND FALSE-COLOR AERIAL IMAGERY TO
 INVESTIGATE LITTORAL AND WIND DYNAMIC EFFECTS ON OUTER BANKS OF VA. SEACOAST.
 FLIGHT MADE IN CLEAR WEATHER, HIGH THIN SCATTERED CLOUDS, AIR TEMP. -2 DEG. C
 AT 5,000 FT., MSL WITH WIND OF 10-15 KNOTS FROM 260 DEG.
 NAME PALL ALFONSI
 PHONE NUMBER 804-624-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY HALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME LIVE OYSTER BED AND CLUTCH SURVEY OF THE DELAWARE BAY AND TRIIBUTARIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY
 ABSTRACT DATA OBTAINED DURING A SURVEY CONDUCTED FROM 1971 TO THE PRESENT ON THE LIVE OYSTER BEDS OF THE DELAWARE BAY AND TRIIBUTARIES ARE PRESENTED IN REPORT FORM. MEASURED PARAMETERS INCLUDE DISTRIBUTIONS OF SPAT AND OYSTERS, THE STATUS OF THE MSX INFECTION AND VOLUMES OF MARKET OYSTERS HARVESTED ANNUALLY. THE PURPOSE OF THE INVESTIGATION HAS BEEN TO DETERMINE THE LOCATIONS AND CONDITIONS OF NATURAL SEED BEDS IN ORDER TO AID IN THE PLANNING OF INCREASED OYSTER PRODUCTION.

NAME STAFF-DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
 STREET C STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME LOBSTER ESCAPE VENTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, RHODE ISLAND, COX LEDGE, NARRAGANSETT BAY, RHODE ISLAND SOUND, BLOCK ISLAND SOUND
 ABSTRACT THE SIZE, LOCATION AND CONFIGURATION OF VARIOUS CONSTRUCTION MATERIALS OF ESCAPE VENTS IN LOBSTER TRAPS HAVE BEEN STUDIED SINCE 1975. THE TRAPS ARE LOCATED IN COX LEDGE, RHODE ISLAND SOUND, BLOCK ISLAND SOUND, AND NARRAGANSETT BAY CUT TO THE MID-SHELF REGION OF THE CONTINENTAL SHELF. THE TRAPS ARE DEPOSITED IN THESE AREAS BY COMMERCIAL FISHING VESSELS. SEVERAL PARAMETERS ARE MEASURED: WEIGHT, CARAPACE LENGTH AND WIDTH TO DETERMINE THE SIZE FREQUENCY, AND DAMAGE, SUCH AS MISSING APPENDAGES AND SHELL DAMAGE, DONE TO THE LOBSTERS FROM TRAPS WITH AND WITHOUT ESCAPE VENTS. CATCH/EFFORT OF LOBSTERS IS DETERMINED, ALONG WITH RETENTION OF SUB-LEGAL LOBSTERS, ROCK CRABS, AND SEA BASS IN THE TRAPS.

NAME DAVID BORDEN
 PHONE NUMBER 401 294 4524
 INSTITUTION OR AGENCY RHODE ISLAND DEPARTMENT OF NATURAL RESOURCES, DIVISION OF FISH AND WILDLIFE
 STREET 150 FOWLER STREET
 CITY WICKFORD
 STATE RHODE ISLAND
 ZIP CODE 02852

FILE NAME LOBSTER OFFSHORE NORTH CAROLINA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA TO VIRGINIA
 ABSTRACT A SURVEY TO DETERMINE DISTRIBUTION, ABUNDANCE, AND POTENTIAL COMMERCIAL IMPORTANCE OF THE AMERICAN LOBSTER OFF THE NORTH CAROLINA COAST.

NAME B.F. HOLLAND, JR.
 PHONE NUMBER 919 726 7021
 INSTITUTION OR AGENCY NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
 STREET DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O. BOX 765
 CITY MCDREHEAD CITY
 STATE NORTH CAROLINA
 ZIP CODE 28557

FILE NAME LOBSTER PROJECT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., COASTAL, NORTH CAROLINA
 ABSTRACT BIOLOGICAL AND PHYSICAL CHARACTERISTICS OF LOBSTERS OBTAINED FROM 59 STATIONS ARE RECORDED FOR LIFE HISTORY, MANAGEMENT, TAGGING AND MARKETING STUDIES. ALSO, INFORMATION OBTAINED ON OTHER POTENTIALLY IMPORTANT COMMERCIAL SPECIES OF CRUSTACEANS.

NAME B F HOLLAND JR AND ALLYN B FOWELL
 PHONE NUMBER 919-726-7021 X237
 INSTITUTION OR AGENCY NORTH CAROLINA, DIVISION OF COMMERCIAL AND SPORTS FISHERIES
 STREET P O BOX 765
 CITY MCDREHEAD CITY
 STATE NORTH CAROLINA
 ZIP CODE 28557

FILE NAME LOBSTER PROJECT JULY 1972 TO DECEMBER 1973
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA TO VIRGINIA
 ABSTRACT A STUDY TO DETERMINE THE VALUE OF THE AMERICAN LOBSTER AS A COMMERCIAL RESOURCE OFF THE COAST OF NORTH CAROLINA.

NAME B.F. HOLLAND, JR.
 PHONE NUMBER 919 726 7021
 INSTITUTION OR AGENCY NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
 STREET DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O. BOX 765
 CITY MCDREHEAD CITY
 STATE NORTH CAROLINA
 ZIP CODE 28557

FILE NAME LOCAL CLIMATOLOGICAL DATA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S.
 ABSTRACT 366 U.S. WEATHER STATIONS REPORTING LOCAL
 CLIMATOLOGICAL DATA ON STANDARD WEATHER SERVICE FORMS. FIELD INSTRUMENTS ARE
 USED AND CALIBRATED ON A NETWORK STANDARD.
 NAME CHIEF, ATMOSPHERIC SCIENCES LIBRARY
 PHONE NUMBER 301 495 2404
 INSTITUTION OR AGENCY NOAA, ENVIRONMENTAL DATA SERVICE
 STREET 6060 13TH ST.
 CITY SILVER SPRING
 STATE MARYLAND
 ZIP CODE 20910

FILE NAME LONG ISLAND SOUND BASE SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND SOUND
 ABSTRACT 142 STATIONS LOCATED IN LONG ISLAND SOUND WERE
 SAMPLED FROM JULY 1972 TO SEPTEMBER 1973 FOR SALINITY, TEMPERATURE, DISSOLVED
 OXYGEN, NITRATE, ORTHOPHOSPHATE, IRON, AND COUNT AND SPECIES DETERMINATION OF
 BENTHIC ANIMALS AND MICROFLORA OF COLIFORMS AND MEGAFUNA.
 NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 201 872 0200
 INSTITUTION OR AGENCY MIDDLE ATLANTIC COASTAL FISHERIES CENTER,
 DEPARTMENT OF COMMERCE
 STREET SANDY HOOK MARINE LABORATORY
 CITY HIGHLANDS
 STATE NEW JERSEY
 ZIP CODE 07732

FILE NAME LONG ISLAND SOUND CURRENT FILE CPR-455
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, LONG ISLAND
 SOUND AND BLOCK ISLAND SOUND
 ABSTRACT FILE CONTAINS DATA COLLECTED FROM LONG ISLAND AND
 BLOCK ISLAND SOUND DURING THE PERIOD APRIL 1965 TO SEPTEMBER 1967.
 APPROXIMATELY 165 STATIONS WERE OCCUPIED DURING THIS PERIOD. MOST STATIONS
 WERE SAMPLED FOR A PERIOD OF ABOUT 5 DAYS. METER DEPTH VARIED WITH WATER
 DEPTH. SOME STATIONS HAVING AS MANY AS 3 METERS EQUALLY SPACED IN THE WATER
 COLUMN. FILE CONTAINS EXACT INFORMATION ON THE STATION POSITION, KIND OF METER
 USED, DURATION OF OBSERVATIONS IN DAYS, METER DEPTHS, CURRENT SPEED AND
 DIRECTION. METERS USED WERE THE ROBERTS RADIC CURRENT METER, CODDYNE
 PHOTOGRAPHIC RECORDING METER AND TICUS MARK I. NOT ALL STATIONS HAVE BEEN
 PROCESSED TO MAGNETIC.

NAME CHIEF, OCEANOGRAPHIC SURVEY BRANCH
 PHONE NUMBER 301 496 8501
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME LONG ISLAND-NEW YORK BIGHT WATER POLLUTION STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, NEW YORK, LONG ISLAND
 ABSTRACT MISSION W202, FLIGHT 1, APRIL 7, 1973, UTILIZING
 THE WALLCPS STATION C-54 AIRCRAFT EQUIPPED WITH FOUR HASSELEBLOD CAMERAS AND A
 MULTI-CHANNEL OCEAN COLOR SENSER (MOCS) IN COOPERATION WITH NASA'S LANGLEY
 RESEARCH CENTER FOR THE ENVIRONMENTAL PROTECTION AGENCY. THE OBJECTIVE OF THE
 FLIGHT WAS TO MAKE A CORRELATION BETWEEN THE HASSELEBLOD IMAGERY AND THE MOCS
 DATA RELATIVE TO WATER POLLUTION IN THE LONG ISLAND-NEW YORK BIGHT AREA. CLEAR
 WEATHER, WITH MODERATE FAZE. AIR TEMPERATURE WAS 13 DEG. C AT 17,500 FT. MSL,
 WIND OF 50 KNOTS FROM 285 DEG.

NAME PAUL ALFONSI
 PHONE NUMBER 804-624-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME LONG-TERM EFFECTS OF LIGHT INTENSITY AND INORGANIC
NITROGEN AND PHOSPHORUS ENRICHMENT ON THE COMMUNITY STRUCTURE OF EDAPHIC SALT
MARSH DIATOMS AND STANDING CROF OF SOIL ALGAE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY,
LENES, CANARY CREEK MARSH
ABSTRACT LONG TERM EFFECTS OF LIGHT INTENSITY AND NUTRIENT
ENRICHMENT ON THE STRUCTURAL CHARACTERISTICS OF THE EDAPHIC DIATOM COMMUNITY
AND STANDING CROF OF ALL EDAPHIC ALGAE INHABITING A PURE STAND OF DWARF
SPARTINA WERE INVESTIGATED IN THE CANARY CREEK MARSH. 115 TAXA ARE IDENTIFIED
AND DESCRIBED IN TERMS OF DISTRIBUTION.
NAME INTER-LIBRARY LOAN
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
STREET SOUTH COLLEGE AVENUE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME LONGSHORE CURRENTS OFF VIRGINIA BEACH, VIRGINIA
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
VIRGINIA, VIRGINIA BEACH
ABSTRACT STUDY OF LONGSHORE CURRENTS OFF VIRGINIA BEACH,
VIRGINIA AVAILABLE FROM OLD DOMINION UNIVERSITY DATA SHEETS
NAME PETER FLEISCHER
PHONE NUMBER 804-485-8000
INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
STREET INSTITUTE OF OCEANOGRAPHY
CITY NORFOLK
STATE VIRGINIA
ZIP CODE 23508

FILE NAME LOWER DELMARVA PENINSULA PINE BARK BEETLE STUDY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, PARKSLEY
ABSTRACT MISSION WICK, FLIGHT CL, WAS ACCOMPLISHED ON
FEBRUARY 1, 1972, UTILIZING THE WALLCPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED
WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE AGRICULTURE
DEPARTMENT OF THE VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY. THE
OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL IMAGERY OF A CROSS SECTIONAL AREA
OF THE DELMARVA PENINSULA BETWEEN PARKSLEY AND ACCOMACK, VIRGINIA FOR
ASSESSING THE EXTENT OF THE PINE BARK BEETLE INFESTATION ON THE LOWER
PENINSULA.
NAME MICHAEL CANGER
PHONE NUMBER 804 824 3411
INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
CITY WALLCPS ISLAND
STATE VIRGINIA
ZIP CODE 23337

FILE NAME LOWER FUNGI OF BACK BAY, VIRGINIA
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, BACK BAY, STUMPY
LAKE, ELIZABETH RIVER, VIRGINIA
ABSTRACT SURVEY OF THE LOWER FUNGI FOUND IN THE AREA OF BACK
BAY, STUMPY LAKE AND ELIZABETH RIVER, VA.
NAME PAUL KIRK
PHONE NUMBER 804-485-8000
INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
STREET INSTITUTE OF OCEANOGRAPHY
CITY NORFOLK
STATE VIRGINIA
ZIP CODE 23508

FILE NAME LOWER HUDSON RIVER BASIN STUDY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, LOWER HUDSON RIVER,
ALBANY, NEW YORK, NEW YORK CITY
ABSTRACT THIS STUDY IS AIMED AT FACILITATING THE
COORDINATION OF CONSERVATION, BY IDENTIFYING AGRICULTURE AND RURAL WATER NEEDS,
UPSTREAM FLOODWATER DAMAGES, AND UPSTREAM SEDIMENT AND EROSION PROBLEMS.
NAME WATERSHED/PLANNING BODY STAFF LEADER
PHONE NUMBER 315 473 3355
INSTITUTION OR AGENCY US DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION
SERVICE
STREET FEDERAL OFFICE BUILDING
CITY SYRACUSE
STATE NEW YORK
ZIP CODE 13210

FILE NAME LOWER RIVER TRIUTARY DATA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER BASIN
ABSTRACT FISH WERE SAMPLED MONTHLY FROM 21 STATIONS IN THE
DELAWARE RIVER TRIUTARIES EMPLOYING OTTER TRAWL, FRAME TRAWL, AND HALL SEINE.
CHLORINE, PH, TURBIDITY, ORTHOPHOSPHATE, NITRATE, CARBON DIOXIDE, HARDNESS,
ALKALINITY, DISSOLVED OXYGEN, AND TEMPERATURE WERE MONITORED.
NAME JOSEPH P. MILLER
PHONE NUMBER 609 397 0115
INSTITUTION OR AGENCY DELAWARE RIVER BASIN, ANADROMOUS FISHERIES STUDY
STREET P.O. BOX 95
CITY RESEPCNT
STATE NEW JERSEY
ZIP CODE 08556

FILE NAME MACROBENTHIC COMMUNITIES ON THE INNER CONTINENTAL
SHELF OF VIRGINIA
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
INNER SHELF OFF VIRGINIA, CAPE CHARLES TO MARYLAND BORDER
ABSTRACT COMMUNITY STRUCTURE ANALYSIS OF MACRO-INVERTEBRATES
OF THE INNER CONTINENTAL SHELF OFF THE COAST OF VIRGINIA. DATA INCLUDES INDEX
OF SPECIES RICHNESS AND INDEX OF SPECIES EVENNESS.
NAME MARVIN WASS
PHONE NUMBER 804-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME MACROBENTHOS OF NEW YORK BIGHT
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. BIGHT, COASTAL
ABSTRACT THE STUDY INVOLVES THE MACROBENTHOS OF THE
INTERTIDAL AND SUBTIDAL ZONES IN THE NEW YORK BIGHT REGION. THE ECOLOGICAL
DISTRIBUTION OF ANIMALS AND PLANTS WILL BE DETERMINED AND SPECIES
DETERMINATIONS WILL BE MADE. THERE ARE PRESENTLY EIGHT STATIONS. THE NORTHERN
MOST STATION IS NEAR THE WASHINGTON BRIDGE.
NAME DR. JANIS RCZE
PHONE NUMBER 212 621 7478
INSTITUTION OR AGENCY DEPARTMENT OF BIOLOGY, CITY COLLEGE OF NEW YORK
STREET 138TH STREET AND CONVENT AVENUE
CITY NEW YORK
STATE NEW YORK
ZIP CODE 10031

FILE NAME MANAHAWKIN BAY DATA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
NEW JERSEY, MANAHAWKIN BAY
ABSTRACT NUMEROUS STATIONS LOCATED AT MANAHAWKIN BAY, NEW
JERSEY WERE SAMPLED FROM JUNE 1973 TO THE PRESENT FOR CHLOROPHYLL A, B, AND C,
NITRATE, NITRITE, AMMONIA, TOTAL ORGANIC NITROGEN, TOTAL DISSOLVED ORGANIC
NITROGEN, DISSOLVED ORGANIC CARBON, TOTAL PHOSPHORUS, DISSOLVED OXYGEN,
PHOTOSYNTHETIC RATE, SEDIMENT SIZE ANALYSIS, SALINITY, TEMPERATURE, SECCHI
DISC DEPTH, CLAT AND SPECIES DETERMINATION OF ZOOPLANKTON
NAME JAMES DURAND
PHONE NUMBER 609 964 1766 X255
INSTITUTION OR AGENCY RUTGERS UNIVERSITY
STREET DEPARTMENT OF BIOLOGY, SCIENCE BUILDING
CITY CAMDEN
STATE NEW JERSEY
ZIP CODE 08102

FILE NAME MANGANESE STATUS OF COASTAL PLAIN SOILS IN DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT DATA COLLECTED DURING A STUDY CARRIED OUT IN
1969-1970 ON THE MANGANESE STATUS OF 13 COASTAL PLAIN SOILS IN DELAWARE ARE
PRESENTED IN REPORT FORM. RECORDED ARE THE SOIL PH, EFFECTIVE CATION EXCHANGE
CAPACITY, ORGANIC FRACTION AND MEASUREMENTS OF CHEMICALLY EXTRACTED FRACTIONS
OF MANGANESE AS AFFECTED BY LIME TREATMENTS. QUANTITIES OF MANGANESE IN EACH
CHEMICAL FRACTION ARE FURTHER RELATED TO SHORT TERM UPTAKE OF THE NUTRIENT BY
SOYBEANS.

NAME MORRIS LIBRARY
PHONE NUMBER 302 736 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME MANUAL AIR MONITORING SYSTEM
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., GREAT LAKES, NEW YORK
ABSTRACT THE BUREAU OF AIR QUALITY SURVEILLANCE OF THE
N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION MONITORS AMBIENT AIR QUALITY
THROUGH AN AIR MONITORING NETWORK. THERE ARE APPROXIMATELY 300 MANUAL STATIONS
WITHIN THIS SYSTEM. SAMPLES FROM EACH STATION ARE ANALYZED FOR EIGHT
PARAMETERS: SUSPENDED PARTICLES, SETTLEABLE, SULFATION, POLLEN, NITROGEN
DIOXIDE, CHLORIDE, LEAD AND EFFECTS. THE NUMBER OF PARAMETERS MEASURED VARIES
FOR EACH STATION. THE AIR MONITORING SYSTEM ALSO CONTAINS CONTINUOUS AIR
MONITORS WHICH NUMBER 19 (SEE ECDC NO. 1222).

NAME MR. PAUL BERRY, F.E., DIRECTOR OF BUREAU OF AIR
QUALITY SURVEILLANCE
PHONE NUMBER 516 457 7235
INSTITUTION OR AGENCY NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION
STREET 50 WOLF ROAD
CITY ALBANY
STATE NEW YORK
ZIP CODE 12201

FILE NAME MARINE FINFISH AND SHELLFISH SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND, OCEAN SIDE
 ABSTRACT BEACHSEINE AND TRAWL SURVEY OF FISHES OCCURRING IN
 BAYS ON OCEANSIDE EASTERN SHORE, MARYLAND. HYDRO DATA WITH EACH COLLECTION,
 SPECIES LISTS, SIZE RANGE, NUMBERS. STANDARD COLLECTION TECHNIQUE APPLIED AND
 DATA EXPANDED TO AREA ESTIMATES. MAINLY SUMMER DATA, TO BECOME QUARTERLY
 SURVEY.

NAME JIM CASEY
 PHONE NUMBER 301-827-8122
 INSTITUTION OR AGENCY WYEMILLS REGIONAL STATION
 STREET P O BOX 68
 CITY WYEMILLS
 STATE MARYLAND
 ZIP CODE 21679

FILE NAME MARINE FISHERIES CATCH AND EFFORT STATISTICS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, DELAWARE
 ABSTRACT DATA COLLECTED DURING A SURVEY CARRIED OUT IN 1960
 ON MARINE SPORT FISHERIES ACTIVITIES IN DELAWARE ARE PRESENTED IN REPORT FORM.
 EMPHASIZED IN THE STUDY ARE THE NUMBERS OF FISH TAKEN FROM DELAWARE MARINE
 AND ESTUARINE WATERS, THE TOTAL EFFORT REQUIRED TO CATCH FISH AND PRINCIPAL
 LOCATIONS AND SEASONS OF CATCH FOR IMPORTANT MARINE FISH SPECIES.

NAME STAFF - DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME MARINE FISHES OF VIRGINIA'S EASTERN SHORE
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, EASTERN SHORE OF
 VIRGINIA

ABSTRACT THE MARINE FISHES OF VIRGINIA'S EASTERN SHORE WERE
 STUDIED FOR 1 YEAR AT 20 STATIONS. AN ANNOTATED CHECKLIST OF SPECIES WITH
 TEMPERATURE, AND SALINITY DATA AT TIMES OF CAPTURE AND FORK LENGTH, SEX AND
 ABUNDANCE ARE PRESENTED IN A REPORT IN CHES SCI, 1970, 11(4), 235-248.

NAME C E RICHARDS
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME MARINE FUNGI OF BACK BAY, VIRGINIA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, BACK BAY, VIRGINIA
 ABSTRACT SURVEY OF HIGHER MARINE FUNGI OF THE BACK BAY AREA
 OF COASTAL VIRGINIA. COLLECTION INCLUDES CULTURES OF 24 SPECIES

NAME PAUL KIRK
 PHONE NUMBER 804-485-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME MARINE LIGNICOLEUS FUNGI OF LOWER CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
 BAY, VIRGINIA, GLOUCESTER POINT, FORT MONROE, HAMPTON ROADS
 ABSTRACT MARINE ASCOMYCETES AND FUNGI IMPERFECTI COLLECTIONS
 MADE ON SUBMERGED WOOD PANELS AND ON DRIFTWOOD. STUDY INCLUDES EFFORTS IN
 DETERMINING SEASONAL DISTRIBUTION AND SPECIES DOMINANCE

NAME PAUL KIRK
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME MARINE RESOURCES MONITORING, ASSESSMENT AND
 PREDICTION (MARMAP)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, WEST COAST OF NOVA SCOTIA,
 GULF OF MAINE, GEORGES BANK TO CAPE HATTERAS
 ABSTRACT THE DATA CURRENTLY STORED IN THE MARMAP INFORMATION
 SYSTEM AT KINGSTON, RHODE ISLAND ARE CONCERNED WITH THE COLLECTION AND
 ANALYSIS OF PLANKTONIC AND ASSOCIATED ENVIRONMENTAL DATA. TWO SERIES OF
 SURVEYS HAVE BEEN CONDUCTED SINCE 1971: COLLECTIONS DURING THE FALL, AND
 SPRING GROUND FISH SURVEYS OF NOAA FISHERY RESEARCH VESSELS IN THE NORTH
 ATLANTIC FROM NOVA SCOTIA TO CAPE HATTERAS AND INTENSIVE BIMONTHLY SAMPLING
 (MID-SEPTEMBER THROUGH MID-MARCH) OF GEORGES BANK AS PART OF JOINT
 INTERNATIONAL SURVEYS OF LARVAL HERRING AND THEIR FOOD. THE PARAMETERS
 INCLUDED ARE: TIME, POSITION, WIND SPEED, WIND DIRECTION, CLOUDS, SKY,
 TEMPERATURE (AIR AND WATER), WAVE AMPLITUDE, VOLUME, DEPTH, VOLUME
 DETERMINATION OF ZOOPLANKTON, PERSISTENT FLOATING MATERIAL; COUNT OF PELAGIC
 FISH, PELAGIC ANIMALS, AND ZOOPLANKTON, SPECIES DETERMINATION, TAXONOMIC LIST,
 MORPHOMETRIC MEASUREMENT, LENGTH, DEVELOPMENTAL STAGE, AND BIOMASS OF
 ZOOPLANKTON, LENGTH AND SEX DETERMINATION OF PELAGIC ANIMALS AND SALINITY.
 SUPPLEMENTARY INFORMATION INCLUDES SHIP HEADING, SHIP SPEED, TOW DURATION,
 TYPE AND APERTURE SIZE OF GEAR, WIRE ANGLES, ALIQUOT FACTORS AND REMARKS.
 REFERENCES ARE ALSO MADE IN THIS DATA BASE TO OTHER EXPERIMENTS PERFORMED ON
 THE COLLECTION PLATFORMS AT THE SAME TIME, SUCH AS XBT DROPS, GROUND FISH TOWS
 AND HYDROCASTS, WHICH ARE STORED IN OTHER SYSTEMS AT WOODS HOLE OR NODC.

NAME CHIEF, MARINE ECOSYSTEMS DIVISION
 PHONE NUMBER 401 789 9326
 INSTITUTION OR AGENCY NATIONAL MARINE FISHERIES SERVICE, NARRAGANSETT
 LAB, NORTHEAST FISHERIES CENTER
 STREET SOUTH FERRY ROAD
 CITY NARRAGANSETT
 STATE RHODE ISLAND
 ZIP CODE 02882

FILE NAME MARINE SPORT FISHING INVESTIGATIONS - SALT WATER
 SPORT FISHERY SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., DELAWARE BAY, INDIAN
 RIVER BAY AND RECECOTH BAY
 ABSTRACT DATA COLLECTED DURING A SURVEY CARRIED OUT FROM
 1953 TO 1955 ON THE SALT-WATER SPORT FISHERY IN DELAWARE ARE PRESENTED IN
 REPORT FORM. EMPHASIZED IN THE INVESTIGATION IS THE CATCH/EFFORT OF SPORT
 FISH SPECIES BY METHOD AND LOCATION OF CAPTURE.

NAME STAFF - DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DEVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME MARINE SPORT FISHING INVESTIGATION - GRAY SEA TROUT
 INVESTIGATION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY
 ABSTRACT DATA COLLECTED DURING A STUDY CARRIED OUT FROM 1947
 TO 1957 ON THE GRAY SEA TROUT IN DELAWARE WATERS ARE PRESENTED IN REPORT FORM.
 EMPHASIZED IN THE INVESTIGATION ARE THE SEASONAL GONADAL DEVELOPMENT IN
 FEMALE SEA TROUT, AGE-FREQUENCY DISTRIBUTIONS, SIZE-FREQUENCY DISTRIBUTIONS
 AND THE RELIABILITY OF DATING SEA TROUT BY SCALE ANNULI.

NAME STAFF - DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DEVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME MARSH DESTRUCTION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, COUNTIES
 OF: BERGEN, HUDSON, UNION, ESSEX, MIDDLESEX, MONMOUTH, OCEAN, BURLINGTON,
 ATLANTIC, CAPE MAY, CUMBERLAND, SALEM, CAMDEN, GLOUCESTER, MERCER
 ABSTRACT COASTAL SURVEYS WERE COMPLETED ON ALL THE TIDAL
 MARSHES OF NEW JERSEY TO DETERMINE THE EFFECTS OF FILLING AND DIKING. FROM A
 TOTAL OF 263,051 ACRES OF TIDAL MARSHES, 61,678 ACRES OR 23.5 PERCENT HAS BEEN
 LOST TO FILLING AND DIKING IN THE PAST 20 YEARS, 1953 TO 1973. THE FILE
 CONTAINS DATA ON LOSSES WITHIN EACH COUNTY, DATA ON TYPES OF LOSSES AND
 PERCENT LOSSES FROM DREDGING, FILLING, DEVELOPMENT, AND IMPROVEMENTS.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6666
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME MARSH PLANT PRODUCTIVITY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., EAST COAST, NEW JERSEY,
 MANAFAWKIN MARSH
 ABSTRACT PRODUCTIVITY INVESTIGATIONS OF THE VASCULAR PLANT
 COMPONENT OF THE MANAFAWKIN MARSHES WERE CONTINUED DURING 1974-1975 AS PART
 OF AN OVERALL STUDY TO EVALUATE THE ROLE OF THIS NEW JERSEY SALT MARSH SYSTEM
 IN RELATION TO ITS CONTRIBUTIONS TO THE ESTUARY. MEASUREMENTS WERE MADE ON
 SALINITY LEVELS, DEPTH OF FLOODING, THICKNESS OF PEAT, ABOVE AND BELOW GROUND
 PRODUCTION, CALORIC DETERMINATIONS, COMMUNITY ANALYSIS, BIOMASS AND
 COMPOSITION.

NAME FALL HANER
 PHONE NUMBER 609 652 5569
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELL FISHERIES
 STREET NACOTE CREEK RESEARCH STATION STAR ROUTE, MILE POST
 51, US ROUTE 9
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08621

FILE NAME MARSH PRODUCTIVITY AND INVERTEBRATE INDICIES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, CEDAR RUN STUDY
 AREA
 ABSTRACT USING 100 SAMPLING STATIONS, INVERTEBRATE
 POPULATIONS AND VEGETATIONAL TYPES WERE DETERMINED AND CORRELATED FOR THE
 CEDAR RUN STUDY AREA.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME MARSHLAND SURVEYS IN CHEESLAKE STATE PARK
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, MIDDLESEX COUNTY,
 CHEESELAKE STATE PARK
 ABSTRACT THIS REPORT PRESENTS A SUMMARY OF A STUDY CONDUCTED
 BY LAND AND AIR, OF THE CHEESLAKE STATE PARK MARSHES. VEGETATIVE COVER TYPING
 AND LAND USE HAS BEEN REPORTED IN A COVER TYPE MAP. LARVAL COUNTS OF Aedes
 sollicitans (MOSQUITO) HAS BEEN REPORTED FOR FIVE SITES AND IN RELATION TO
 TIDAL HEIGHT.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS
 WETLANDS STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 ELKTON
 ABSTRACT MISSION W131, FLT. 2 WITH WOLLOPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON JUNE 3, 1972, IN COOPERATION
 WITH THE MD. DEPT OF CHESAPEAKE BAY AFFAIRS IN ELKTON, MD. REGION. OBJECTIVE -
 TO ACQUIRE NATURAL AND FALSE-COLOR REMOTELY SENSED IMAGERY OF WETLAND
 VEGETATION SPECIES AND MARSHES TO ESTABLISH BASELINE DATA FOR FUTURE EARTH
 RESOURCES TECHNICAL SATELLITE EXPERIMENTS. FLIGHT IN CLEAR WEATHER, MODERATE
 HAZE, AIR TEMP. 2 DEG. C AT 10,000 FT. 16 DEG. C AT 2500 FT., MSL WITH WIND OF
 15 KNOTS FROM 260 DEG.

NAME FALL ALFONSI
 PHONE NUMBER 804-624-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 22337

FILE NAME MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS
 WETLANDS STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 MARYLAND, ELK RIVER
 ABSTRACT MISSION W125, FLT. 1, APRIL 28, 1972, WITH WALLOPS
 STATION C-54 AIRCRAFT WITH TWO T-11 AERIAL CAMERAS IN COOPERATION WITH MD.
 DEPT. OF CHESAPEAKE BAY AFFAIRS IN ELK RIVER, MD. AREA. OBJECTIVE - TO UTILIZE
 AIRBORN NATURAL AND FALSE-COLOR IMAGERY FOR IDENTIFICATION AND DISTRIBUTION OF
 MARSHLAND AQUATIC COMMUNITIES IN PREPARATION FOR ERTS OVERPASSES. FLIGHT IN
 GOOD WEATHER WITH MODERATE HAZE, AIR TEMP. 6 DEG. C AT 2,500 FT., MSL WITH
 WIND OF 15 KNOTS FROM 320 DEG.
 NAME PALL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME MASTER WELL RECORDS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT HYDROLOGIC AND GEOLOGIC DATA COLLECTED DURING THE
 DRILLING OF WELLS IN DELAWARE ARE RECORDED ON WELL SCHEDULE DATA SHEETS AND
 FILED IN THE MASTER WELL RECORDS MAINTAINED BY THE DELAWARE GEOLOGICAL SURVEY.
 THE MASTER WELL RECORDS FILE WAS INITIATED IN 1951. PARAMETER MEASUREMENTS
 INCLUDE WELL DEPTH, WATER LEVELS BEFORE AND AFTER PUMPING, SPECIFIC CAPACITY
 AND ELEVATION AT THE WELL SURFACE.
 NAME STAFF
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME MERCURY DATA FOR THE NORTHWEST ATLANTIC
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL WATERS; RHODE ISLAND
 BERMUDA ISLANDS, NARRAGANSETT BAY
 ABSTRACT DURING THE SUMMER AND FALL OF 1973 AND THE SUMMER
 OF 1974, MEASUREMENTS OF MERCURY IN THE WATER COLUMN WERE MADE IN COASTAL
 WATERS OF NEW ENGLAND AND ALONG A TRANSECT FROM NARRAGANSETT BAY, RHODE ISLAND
 TO THE BERMUDA ISLANDS. SAMPLES WERE TAKEN ON R/V TRIDENT CRUISES 137, 145,
 152. HYDROGRAPHIC DATA IS AT UNIVERSITY OF RHODE ISLAND, GRADUATE SCHOOL OF
 OCEANOGRAPHY. WATER WAS SAMPLED FROM SURFACE AND THE MICRO-LAYER FROM A
 RUBBER BOAT WELL AWAY FROM THE R/V TRIDENT'S TRACK.
 NAME DR. WILLIAM FITZGERALD
 PHONE NUMBER 202 446 1020
 INSTITUTION OR AGENCY MARINE SCIENCES INSTITUTE, UNIVERSITY OF CONNECTICUT
 STREET AVERY POINT
 CITY GROTON
 STATE CONNECTICUT
 ZIP CODE 06340

FILE NAME MERCURY IN THE ENVIRONMENT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY
 ABSTRACT THE FIRST SECTION OF THIS TWO-PART REPORT REVIEWS
 BASIC PROPERTIES OF MERCURY AND ITS COMPOUNDS AS RELATED TO THEIR EFFECT ON
 VARIOUS FACETS OF THE ENVIRONMENT. AMONG THE TOPICS DISCUSSED ARE THE CHEMICAL
 FORMS AND HAZARDS OF MERCURY, INCIDENTS OF MERCURY CONTAMINATION, GOVERNMENTAL
 STANDARDS AND TOLERANCE LIMITS, LEVELS OF MERCURY IN THE ATMOSPHERE,
 BIOSPHERE, LITHOSPHERE AND HYDROSPHERE, AND THE FLUX THROUGH EACH SEGMENT. THE
 REALITY OF THE MERCURY PROBLEM GLOBALLY AND LOCALLY IS EVALUATED. A
 COMPREHENSIVE REVIEW OF THE ACCEPTED METHODS OF ANALYSES FOR MERCURY AND ITS
 COMPOUNDS IS ALSO PRESENTED. THE SECOND SECTION REPORTS ON RECENT STUDIES OF
 MERCURY LEVELS IN THE DELAWARE BAY REGION AND COMPARES THE CONCENTRATIONS
 FOUND IN THE WATERS AND SEDIMENTS TO VALUES FROM OTHER AREAS.
 NAME DIRECTOR
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES
 STREET ROBINSON HALL, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME MESA NEW YORK BIGHT PROJECT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW YORK BIGHT
 ABSTRACT 105 STATIONS LOCATED IN THE NEW YORK BIGHT WERE
 SAMPLED FROM MARCH 1973 TO THE PRESENT FOR VARIOUS CHEMICAL, PHYSICAL, AND
 BIOLOGICAL VARIABLES. SOME OF THESE INCLUDE SALINITY, TEMPERATURE, HEAVY
 METALS ANALYSIS OF SEDIMENT, AND COUNT, WEIGHT, AND LENGTH DETERMINATION OF
 BENEFAIAL FISH.

NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 201 872 0200
 INSTITUTION OR AGENCY MIDDLE ATLANTIC COASTAL FISHERIES CENTER,
 DEPARTMENT OF COMMERCE
 STREET SANDY HOOK MARINE LABORATORY
 CITY HIGHLANDS
 STATE NEW JERSEY
 ZIP CODE 07732

FILE NAME MESA SEA BED DRIFTER DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT
 ABSTRACT 55 STATIONS LOCATED FROM LOWER BAY TO GEORGES BANK
 WERE SAMPLED FROM JANUARY 1974 TO OCTOBER 1974 FOR CURRENT SPEED AND CURRENT
 DIRECTION.

NAME EDWARD BAYLER
 PHONE NUMBER 516 246 7714
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11750

FILE NAME METABOLITES OF HIGHER MARINE FUNGI
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
 BAY, VIRGINIA
 ABSTRACT SURVEY OF SELECTED METABOLITES FOUND IN THE HIGHER
 MARINE FUNGI, ASCOMYCETES AND FUNGI IMPERFECTI, FOUND IN LOWER CHESAPEAKE BAY

NAME PALL KIRK
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME MICROBIOLOGICAL ANALYSIS OF MARINE ENVIRONMENTS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., SHELF & SLOPE FROM
 MARYLAND TO GEORGIA
 ABSTRACT ANALYSIS OF SHELF AND SLOPE SEDIMENTS FROM VIRGINIA
 AND N.C. COASTAL WATERS FOR BACTERIAL AND VIRAL COMPONENTS WITH ANCILLARY DATA
 ON WATER TEMPERATURE, D.C., SALINITY, AND ALTRIENTS

NAME DR. R.R. CCLWELL
 PHONE NUMBER 301 454 5376
 INSTITUTION OR AGENCY UNIVERSITY OF MARYLAND
 STREET DEPARTMENT OF MICROBIOLOGY
 CITY COLLEGE PARK
 STATE MARYLAND
 ZIP CODE 20742

FILE NAME MICROWAVE OCEAN WAVE STUDY-VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W275, FLIGHT 01, WAS ACCOMPLISHED ON MAY
 16, 1974, UTILIZING THE WALLEPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A
 T-11 AERIAL MAPPING CAMERA AND A MICROWAVE SENSOR IN COOPERATION WITH THE
 NAVAL RESEARCH LABORATORY. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY OCEAN WAVE
 PATTERNS.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME MILLSBORO, DELAWARE CORN STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY,
 DELAWARE, MILLSBORO
 ABSTRACT MISSION W235, FLT. 2, JULY 26, 1973, WITH WALLEPS
 STATION BELL 204-B HELICOPTER EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN
 COOPERATION WITH AGENCY DEPT. OF VA. POLYTECHNIC INSTITUTE AND STATE UNIV.
 OBJECTIVE - TO OBTAIN COLOR AND FALSE COLOR INFRARED IMAGERY OF A CORN FIELD
 FOR USE IN EVALUATING DATA ANALYSIS TECHNIQUES. FLIGHT IN SLIGHTLY CLOUDY
 WEATHER, VISIBILITY 6-8 MILES, AIR TEMP. 22 DEG. C AT 500 FT., MSL WITH WIND
 OF 15 TO 18 MILES FROM 225 DEG.

NAME FALL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME MINEGEOLOGICAL ANALYSIS OF FOSSILS AND RECENT
CALCITIC AND ARAGENITIC SHELLS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA TO FLORIDA
ABSTRACT CEPHALOPOD AND GASTROPOD SHELLS FROM THE
SOUTHEASTERN U.S. ATLANTIC SHELF WERE ANALYZED FOR CALCIUM, IRON, MANGANESE,
MAGNESIUM, POTASSIUM, SODIUM, AND STRONTIUM ON A PHYLUM LEVEL COMPOSITION AND
SPECIES LEVEL COMPOSITION FROM BOTH RECENT AND FOSSIL PERIODS.
NAME PAUL C. RAGLAND
PHONE NUMBER 919 933 2211
INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY
STREET UNIVERSITY OF NORTH CAROLINA
CITY CHAPEL HILL
STATE NORTH CAROLINA
ZIP CODE 27412

FILE NAME MODEL ANALYSIS OF HEAVY MINERALS BY X-RAY
DIFFRACTION AND TEXTURAL STUDIES OF NEW JERSEY BEACH SANDS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK BIGHT, COASTAL SANDY
HOOK TO CAPE MAY
ABSTRACT THE MAJOR OBJECTIVES OF THIS STUDY WERE 1) TO
DEVELOP THE CALORA AND HESS TECHNIQUE FOR THE QUANTITATIVE HEAVY MINERAL
ANALYSIS BY X-RAY DIFFRACTION, TO MEASURE THE ABUNDANCE OF THE HEAVY MINERALS
OF NEW JERSEY BEACH SANDS; 2) TO CHARACTERIZE THE HEAVY MINERAL ASSEMBLAGES
QUALITATIVELY BY GROUPING THEM ACCORDING TO THEIR X-RAY DIFFRACTION
"FINGERPRINTS" AND QUANTITATIVELY BY PARTICULAR RELATIONSHIPS BETWEEN THE
VARIOUS HEAVY MINERAL SPECIES; AND 3) TO RELATE THESE CHARACTERISTICS AND
OVERALL TEXTURAL PARAMETERS TO COASTAL PHYSIOGRAPHY AND PROCESS ELEMENTS.
SEDIMENT SAMPLES WERE COLLECTED BY CORING DURING THE PERIOD FROM JUNE 8 TO
JUNE 13, 1970. A TOTAL OF 155 SAMPLES WERE TAKEN FROM SANDY HOOK TO CAPE MAY
POINT. ONE HUNDRED OF THE SAMPLES WERE CHOSEN FOR SIZE ANALYSIS, AND TWENTY
SAMPLES WERE CHOSEN FOR X-RAY DIFFRACTION (HEAVY METALS ANALYSIS).
NAME L. JAMES CHARLESWORTH
PHONE NUMBER 419 537 2358
INSTITUTION OR AGENCY UNIVERSITY OF TOLEDO
CITY TOLEDO
STATE OHIO
ZIP CODE 43606

FILE NAME MODERN AND ANCIENT BARRIER SEDIMENTS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, NEW YORK BIGHT, LONG
ISLAND, FIRE ISLAND
ABSTRACT THE MAJOR OBJECTIVE OF THIS STUDY IS TO UNDERSTAND
THE EFFECTS OF A TRANSGRESSION ON A COAST HAVING A BARRIER-LAGOON SYSTEM.
INLET-FILLING SANDS CAN BE UTILIZED AS AN INDICATOR OF FORMER LOCATIONS OF
BARRIERS. FIELD TECHNIQUES INCLUDED CORING (HAND-TUBE AND BOX), COLLECTING
SPOT SAMPLES, PLANE-TABLE MAPPING, TRENCHING, ECHO-SCOUNDING, MAKING EPOXY
RELIEF-PEELS, AND DRILLING. LABORATORY TECHNIQUES INCLUDE AERIAL PHOTOGRAPHS,
SIZE ANALYSIS AND STATISTICAL TREATMENT OF DATA. THE SEDIMENTS AND SEDIMENT
STRUCTURES OF THE BARRIER-LAGOON SYSTEM WAS STUDIED TO UNDERSTAND THE
SEDIMENTARY SEQUENCES AND DEVELOPMENT OF SUCH A SYSTEM.
NAME DR. JOHN E. SANDERS
PHONE NUMBER 212 260 4312
INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, BARNARD COLLEGE, COLUMBIA
UNIVERSITY
CITY NEW YORK
STATE NEW YORK
ZIP CODE 10027

FILE NAME MODERN MARSH AND NON-MARSH CLAYS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
ABSTRACT CLAY MINERAL ANALYSIS OF THE COASTAL SALT MARSHES
TO ESTABLISH THE DISTRIBUTION OF MARSH AND NON-MARSH CLAYS.
NAME LIBRARIAN
PHONE NUMBER 919 933 2211
INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY LIBRARY
STREET UNIVERSITY OF NORTH CAROLINA
CITY CHAPEL HILL
STATE NORTH CAROLINA
ZIP CODE 27412

FILE NAME MONITORING FISH MIGRATION IN THE DELAWARE RIVER
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, DELAWARE RIVER,
BETWEEN BURLINGTON ISLAND AND CLACK ISLAND
ABSTRACT FIELD SURVEYS WERE CONDUCTED 4 TIMES DURING
APRIL-JUNE, 1975 TO DETERMINE THE EFFECT OF DREDGING OPERATIONS IN THE
DELAWARE RIVER NEAR NEWBOLD ISLAND ON WATER QUALITY, TURBIDITY, AND FISH
DISTRIBUTIONS AND MOVEMENTS. MEASUREMENTS OF VERTICAL PROFILES OF DISSOLVED
OXYGEN, TEMPERATURE, AND CONDUCTIVITY WERE TAKEN ALONG WITH DETERMINATIONS OF
FISH DENSITIES AND SPECIES.
NAME ROY DENMARK
PHONE NUMBER 215 597 2944
INSTITUTION OR AGENCY US ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT
STREET CLYDEMS HOUSE, 2ND AND CHESTNUT STREET
CITY PHILADELPHIA
STATE PENNSYLVANIA
ZIP CODE 19106

FILE NAME MONITORING FISHES IN MARCH AND APRIL 1975 DURING
EXCAVATION AND BLASTING IN THE DELAWARE RIVER NEAR MARCUS HOOK, PENNSYLVANIA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE RIVER
ESTLARY, MARCUS HOOK
ABSTRACT THIS FILE CONTAINS FISH ABUNDANCE AND MIGRATION
DATA FOR THE DELAWARE RIVER NEAR MARCUS HOOK, PENNSYLVANIA DURING BLASTING AND
EXCAVATION OPERATIONS IN APRIL AND MARCH 1975. DATA TAKEN INCLUDES PELAGIC
FISH COUNTS AND SPECIES DETERMINATIONS ALONG WITH DISSOLVED OXYGEN, AIR AND
WATER TEMPERATURE, AND TIDAL STAGE. THIS REPORT WAS DONE FOR U.S. ARMY CORPS
OF ENGINEERS, PHILADELPHIA DISTRICT BY ICTHYOLOGICAL ASSOCIATES, INC.

NAME RCY DENMARK
PHONE NUMBER 215 597 2944
INSTITUTION OR AGENCY U.S. ARMY CORPS OF ENGINEER
STREET CUSTOMS HOUSE 2ND AND CHESTNUT STREET
CITY PHILADELPHIA
STATE PENNSYLVANIA
ZIP CODE 19106

FILE NAME MONOCENETIC THERMATODE PARASITES OF REPTILES AND
AMPHIBIANS OF VIRGINIA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, VIRGINIA,
COASTAL PLAIN
ABSTRACT PARASITE SURVEY OF AMPHIBIANS AND REPTILES FROM THE
COASTAL PLAIN OF VIRGINIA. COUNTS PER ANIMAL PER ORGAN, TAXONOMIC LISTS BY
SPECIES OF HOST

NAME DAVID ZWERNER
PHONE NUMBER 804-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLOUCESTER POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME MONTHLY WEATHER CALENDARS AND MISCELLANEOUS WEATHER
FACTS FOR NEW YORK CITY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, NEW YORK CITY
ABSTRACT DAILY WEATHER DATA IS COMPILED AND AVERAGED TO SHOW
TEMPERATURE, PRECIPITATION, RELATIVE HUMIDITY, WIND, SNOWFALL, HEATING DEGREE
DAYS, AND SUNSHINE. THESE DATA ARE PRESENTED ON A DAILY, MONTHLY, AND YEARLY
BASIS.

NAME CHIEF, ATMOSPHERIC SCIENCES LIBRARY
PHONE NUMBER 301 427 7800
INSTITUTION OR AGENCY NCAA, ENVIRONMENTAL DATA SERVICE
STREET 8060 13TH ST.
CITY SILVER SPRING
STATE MARYLAND
ZIP CODE 20910

FILE NAME MORICHES
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
LONG ISLAND, SUFFOLK COUNTY, MORICHES
ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
OF MORICHES MARSH LANDS WERE CONDUCTED AT 61 STATIONS FROM MAY 1972 TO
DECEMBER 1972.

NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
PHONE NUMBER 516 234 2622
INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
STREET 1324 MCTOR PARKWAY
CITY HAUFFAUGE
STATE NEW YORK
ZIP CODE 11767

FILE NAME MORICHES
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
LONG ISLAND, SUFFOLK COUNTY, MORICHES
ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
OF MORICHES MARSH LANDS WERE CONDUCTED AT 15 STATIONS FROM MAY 1973 TO
DECEMBER 1973.

NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
PHONE NUMBER 516 234 2622
INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
STREET 1324 MCTOR PARKWAY
CITY HAUFFAUGE
STATE NEW YORK
ZIP CODE 11767

FILE NAME MORICHES BAY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
MORICHES BAY
ABSTRACT VARIOUS CHEMICAL AND PHYSICAL ASPECTS OF THE
MORICHES BAY WERE MEASURED AT 12 STATIONS FROM NOVEMBER 1972 TO THE PRESENT.
NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
PHONE NUMBER 516 234 2622
INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
STREET 1324 MCTOR PARKWAY
CITY HAUFFAUGE
STATE NEW YORK
ZIP CODE 11767

FILE NAME MORICHES BAY BEAVER DAM CREEK DIURNAL
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG ISLAND, MORICHES BAY, BEAVER DAM CREEK
 ISLAND, MORICHES BAY, BEAVER DAM CREEK
 ABSTRACT DATA WAS GENERATED BY STUDENTS MAJORING IN MARINE SCIENCE AT SOUTHAMPTON COLLEGE AS PART OF AN ACADEMIC EXERCISE. DATA WERE TAKEN FOURLY FOR ONE WEEK (MAY 9 THROUGH MAY 16). THE PARAMETERS MEASURED INCLUDE TEMPERATURE, SALINITY, DISSOLVED OXYGEN GAS, AND SECCHI DISC DEPTH.
 NAME J. R. WELKER
 PHONE NUMBER 516 283 4000
 INSTITUTION OR AGENCY SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER
 STREET TUCKAHOE ROAD
 CITY SOUTHAMPTON
 STATE NEW YORK
 ZIP CODE 11968

FILE NAME MORICHES BAY DIURNAL AND SYNOPTIC STUDIES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG ISLAND, MORICHES BAY
 ISLAND, MORICHES BAY
 ABSTRACT THIS FILE IS IN THE FORM OF AN ACADEMIC EXERCISE PERFORMED BY STUDENTS MAJORING IN MARINE SCIENCE AT SOUTHAMPTON COLLEGE, LONG ISLAND, NEW YORK. PARAMETERS WERE MEASURED WEEKLY DURING THE MONTH OF AUGUST. PARAMETERS MEASURED INCLUDE TEMPERATURE, SALINITY, DISSOLVED OXYGEN GAS, NITRATE, NITRITE, WIND DIRECTION, WIND SPEED, CURRENT SPEED, AND CLOUD COVER.
 NAME J. R. WELKER
 PHONE NUMBER 516 283 4000
 INSTITUTION OR AGENCY SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER
 STREET TUCKAHOE ROAD
 CITY SOUTHAMPTON
 STATE NEW YORK
 ZIP CODE 11968

FILE NAME MORICHES BAY NUTRIENT DATA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG ISLAND, MORICHES BAY
 ISLAND, MORICHES BAY
 ABSTRACT THIS FILE IS IN THE FORM OF AN ONGOING EXERCISE FOR STUDENTS MAJORING IN MARINE SCIENCE AT SOUTHAMPTON COLLEGE. 9 STATIONS WERE SAMPLED INFREQUENTLY BY STUDENTS, AND THE FOLLOWING PARAMETERS WERE MEASURED: NITRATE, NITRITE, AND PHOSPHATE.
 NAME J. R. WELKER
 PHONE NUMBER 516 283 4000
 INSTITUTION OR AGENCY SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER
 STREET TUCKAHOE ROAD
 CITY SOUTHAMPTON
 STATE NEW YORK
 ZIP CODE 11968

FILE NAME MORICHES BAY SHELLFISH GROWING AREA 18
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG ISLAND, MORICHES BAY
 ISLAND, MORICHES BAY
 ABSTRACT THIS FILE IS A REPORT FOR THE ENVIRONMENTAL CONTROL UNIT AT STONY BROOK, NEW YORK. REPORT DEALS WITH THE TYPES OF POLLUTANTS IN MORICHES BAY AND THEIR EFFECT ON THIS SHELLFISH GROWING AREA. PARAMETERS MEASURED INCLUDE PRECIPITATION AMOUNT, DOB, DDB, DDT, DIELDRIN, TEMPERATURE, WEATHER, DISSOLVED OXYGEN GAS, VOLUME DETERMINATION OF MICROBIOTA, AND COUNT AND SPECIES DETERMINATION OF BENTHIC ANIMALS (CLAMS).
 NAME J. R. WELKER
 PHONE NUMBER 516 283 4000
 INSTITUTION OR AGENCY SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER
 STREET TUCKAHOE ROAD
 CITY SOUTHAMPTON
 STATE NEW YORK
 ZIP CODE 11968

FILE NAME MORICHES BAY 1959-1961
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, COASTAL, N.Y. BIGHT, MORICHES BAY
 ISLAND, MORICHES BAY
 ABSTRACT STUDY OF MORICHES BAY ON THE SOUTHERN SHORE OF LONG ISLAND IN ORDER TO DETERMINE THE INFLUENCE OF NUTRIENTS DISCHARGED INTO MORICHES BAY ON THE GROWTH AND ABUNDANCE OF THE PLANKTON POPULATION.
 NAME DR. JOHN P. BARLOW
 PHONE NUMBER 607 256 4447
 INSTITUTION OR AGENCY CORNELL UNIVERSITY
 STREET 227 LANGMUIR LABS
 CITY ITHACA
 STATE NEW YORK
 ZIP CODE 14850

FILE NAME MORICHES BAY 1962-1965
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, COASTAL, N.Y. BIGHT, FORGE RIVER, MORICHES BAY
 ISLAND, MORICHES BAY
 ABSTRACT THE PURPOSE OF THE STUDY WAS TO DESCRIBE THE VARIATIONS IN PHOTOSYNTHETIC ACTIVITY IN MORICHES BAY. SAMPLES WERE COLLECTED DURING THE SUMMER MONTHS FROM 1962-65. THE SAMPLES WERE ANALYSED FOR CHLOROPHYLL A, PHOSPHATE, NITRATE, PHOTOSYNTHETIC RATE, TRANSPARENCY, SALINITY AND TEMPERATURE. ALL SAMPLES WERE COLLECTED FROM A SHIP, BY DEPTH, FROM SURFACE TO BOTTOM.
 NAME DR. JOHN P. BARLOW
 PHONE NUMBER 607 256 4447
 INSTITUTION OR AGENCY CORNELL UNIVERSITY
 STREET 227 LANGMUIR LABS
 CITY ITHACA
 STATE NEW YORK
 ZIP CODE 14850

FILE NAME MORPHOGENESIS OF RED PINE ROOT STRUCTURES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK
 ABSTRACT OBSERVATIONS ON THE MORPHOGENESIS OF CONIFEROUS
 ROOT SYSTEMS AND FUNGAL INTERRELATIONSHIPS. MORPHOLOGY OF ROOTS UNDER VARIED
 FUNGAL INFLUENCES. AT LEAST 5000 OBSERVATIONS TAKEN MOSTLY FROM NEW YORK, BUT
 ALSO SOME SAMPLING IN THE NORTHWEST AND FINLAND.
 NAME HUGH E. WILCOX
 PHONE NUMBER 315 473 8815
 INSTITUTION OR AGENCY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
 STREET 404 ILLICK HALL
 CITY SYRACUSE
 STATE NEW YORK
 ZIP CODE 13210

FILE NAME MORPHOMETRIC DATA ON THE ROCK CRAB CANCER IRRORATUS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, EASTERN SHORE OF
 VIRGINIA, CHINCOTEAGUE, VIRGINIA
 ABSTRACT AS PART OF THE VIMS ROCK CRAB PROJECT, BODY LENGTH
 AND WIDTH OF PRE- AND POST-MOLT CANCER IRRORATUS SPECIMENS WERE MEASURED.
 REGRESSIONS WERE COMPUTED ON MORPHOMETRIC PARAMETERS. SPECIMENS WERE
 COLLECTED MONTHLY FROM JUNE 1971 THROUGH JUNE 1972 IN THE NEAR SHORE WATERS
 OFF CHINCOTEAGUE, VIRGINIA USING A 40 FOOT OTTER TRAWL. WATER TEMPERATURE,
 SALINITY, DISSOLVED OXYGEN AND SEDIMENT SIZE WERE MEASURED FOR EACH TRAWL.
 NAME PALL HAEFNER
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME MOSQUITO PREVALENCE ON IMPOUNDED AND DITCHED SALT
 GENERAL GEOGRAPHIC AREA MARSHES IN ASSAWOMAN WILDLIFE AREA, DELAWARE
 AREA NORTH AMERICA, U.S., DELAWARE, ASSAWOMAN WILDLIFE
 AREA
 ABSTRACT FROM MARCH THROUGH OCTOBER, 1956 A STUDY IN
 ASSAWOMAN WILDLIFE AREA WAS CONDUCTED TO OBSERVE MOSQUITO PRODUCTION
 INFLUENCED BY DITCHING AND IMPOUNDMENTS. PARAMETERS INCLUDED TAXONOMIC LISTS
 OF INSECTS, MOSQUITOS, BIRDS, AND ANIMALS AND PHYSICAL PARAMETERS OF THE
 ASSAWOMAN WILDLIFE AREA
 NAME E.P. CATTS
 PHONE NUMBER 302 738 2526
 INSTITUTION OR AGENCY DEPARTMENT OF ENTOMOLOGY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME MOSQUITO PRODUCTION AND WILDLIFE USAGE IN NATURAL,
 GENERAL GEOGRAPHIC AREA PITCHEE, AND IMPOUNDED TICAL MARSHES IN ASSAWOMAN WILDLIFE AREA, DELAWARE
 AREA, LITTLE ASSAWOMAN BAY NORTH AMERICA, U.S., DELAWARE, ASSAWOMAN WILDLIFE
 ABSTRACT ASSAWOMAN WILDLIFE AREA ON LITTLE ASSAWOMAN BAY WAS
 STUDIED FROM FEBRUARY, 1956 TO NOVEMBER, 1956 IN ORDER TO COMPARE THE
 PRODUCTION OF MOSQUITOS IN NATURAL, DITCHED, AND IMPOUNDED SALT MARSHES. THE
 ABUNDANCE OF WILDLIFE, RAINFALL, TEMPERATURE, SALINITY, TIDES, VEGETATION, PH
 AND WATER DEPTH WERE THE PARAMETERS MEASURED.
 NAME FRANK MURPHY
 PHONE NUMBER 302 738 2526
 INSTITUTION OR AGENCY DEPARTMENT OF ENTOMOLOGY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME MOSQUITOS AND WILDLIFE IN IMPOUNDMENTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, KENT COUNTY, LITTLE
 CREEK WILDLIFE AREA
 ABSTRACT THIS STUDY DETERMINES THE MOSQUITO BREEDING
 POTENTIAL OF A PREIMPOUNDED MARSH. IT STUDIES THE CHANGING ECOLOGICAL AND
 ENVIRONMENTAL CONDITIONS OF A MARSH AFTER IMPOUNDING, AND IT COMPARES THE
 WILDLIFE UTILIZATION AND MOSQUITO BREEDING POTENTIAL BETWEEN A NATURAL MARSH
 AND AN IMPOUNDED MARSH. FROM APRIL, 1959 TO OCTOBER, 1960 THE FOLLOWING
 PARAMETERS WERE STUDIED IN THE LITTLE CREEK WILDLIFE AREA: PH, SALINITY, AIR
 AND WATER TEMPERATURE, WATER DEPTH, RAINFALL, SPECIATION OF FISH, VEGETATION,
 WILDLIFE, AND MOSQUITOS.
 NAME FRANK MURPHY
 PHONE NUMBER 302 738 2526
 INSTITUTION OR AGENCY DEPARTMENT OF ENTOMOLOGY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME MOUTH OF THE CHESAPEAKE BAY POLLUTION STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE BAY MOUTH
 ABSTRACT MISSION W278, FLIGHT 01, WAS ACCOMPLISHED ON DECEMBER 11, 1974, UTILIZING THE WOLLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA, A THERMAL IR SCANNER, A PRT-5 PRECISION RADIATION THERMOMETER, AND THE MOCS (MULTICHANNEL COCAIN COLOR SENSOR) IN COOPERATION WITH NASA'S LANGLEY RESEARCH CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY WATER POLLUTION AT THE MOUTH OF THE CHESAPEAKE BAY.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME MOUTH OF THE SUSQUEHANNA RIVER BASE LINE DATA
 MISSION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MARYLAND, MOUTH OF THE SUSQUEHANNA RIVER
 ABSTRACT MISSION W027, FLIGHT 01, WAS ACCOMPLISHED ON OCTOBER 17, 1970, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN BASE LINE DATA OF CHESAPEAKE BAY AT THE MOUTH OF THE SUSQUEHANNA RIVER.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME MOVEMENT OF SUSPENDED AND SOLUTE CONCENTRATIONS WITHIN THE CHESAPEAKE BAY RIVER SYSTEMS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, DELAWARE CANAL, CHOCTANK RIVER, WICOMICO RIVER, RAPPAHANNOCK RIVER, YORK RIVER
 ABSTRACT MISSION W203, FLIGHT 1, MAY 16, 1973, WITH WOLLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S AERIAL CAMERA SYSTEM. FLIGHT MADE FOR U. S. ARMY ENGINEERS WATERWAYS EXPERIMENT STATION AS AN ERTS UNDERFLIGHT MISSION. OBJECTIVE-TO PROVIDE REMOTE SENSOR IMAGERY OF CHESAPEAKE BAY RIVERS IN SAME SPECTRAL BANDS FROM THE AIRCRAFT'S I2S CAMERA AS THAT OF MULTI-SPECTRAL SCANNER ON ERTS SATELLITE.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME MOVEMENT OF SUSPENDED PARTICLE AND SOLUTE CONCENTRATIONS WITHIN CHESAPEAKE BAY RIVERS-RAPPAHANNOCK, YORK, CHOCTANK, WICOMICO, ELK, AND CHESAPEAKE DELAWARE CANAL
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, CHESAPEAKE DELAWARE CANAL, CHESAPEAKE BAY, RAPPAHANNOCK RIVER, YORK RIVER, CHOCTANK RIVER, WICOMICO RIVER, ELK RIVER, JAMES RIVER
 ABSTRACT MISSION W172, FLT. 1, WITH WOLLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AND AN I2S CAMERA SYSTEM ON OCTOBER 10, 1972, IN COOPERATION WITH U. S. ARMY ENGINEER WATERWAYS EXPERIMENT STATION (WES). FLIGHT COVERED PORTIONS OF RAPPAHANNOCK, YORK, CHOCTANK, WICOMICO, AND ELK RIVERS, AND CHESAPEAKE AND DELAWARE CANAL. OBJECTIVE - TO LOCATE AND MONITOR MOVEMENT OF SUSPENDED PARTICLES AND SOLUTE CONCENTRATIONS WITH INFLOW AND TIDAL ACTION. CLEAR WEATHER WITH BLUE SKIES, VISIBILITY 10-15 MILES, AIR TEMP. +7 DEG. AT 9,500 FT. MSL WITH WIND OF 8 KNOTS FROM 360 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME MOVEMENT OF SUSPENDED PARTICULATE AND SOLUBLE
CONCENTRATIONS WITHIN THE CHESAPEAKE BAY RIVER SYSTEMS
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
VIRGINIA YORK RIVER, RAPPAHANNOCK RIVER, WICOMICO RIVER, CHOPTANK RIVER, ELK
RIVER TO DELAWARE RIVER
ABSTRACT MISSION W19C, FL. 1, FEB. 28, 1973, WITH WOLLOPS
STA. C-54 AIRCRAFT EQUIPPED WITH I2S AND T-11 AERIAL MAPPING CAMERA SYSTEMS IN
COOPERATION WITH U S ARMY ENGINEER WATERWAYS STA. FLIGHT COVERED PORTIONS OF
THE RAPPAHANNOCK, YORK, CHOPTANK, WICOMICO, AND ELK RIVERS AND THE CHESAPEAKE
AND DELAWARE CANAL. OBJECTIVE - TO OBTAIN WINTER IMAGERY OF THESE RIVERS FOR
MONITORING THE INFLOW OF SUSPENDED PARTICLES AND DIFFERENTIATE MAGNITUDES OF
SOLUTE CONCENTRATIONS.

NAME PAUL ALFONSI
PHONE NUMBER 804-824-3411
INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
CITY WOLLOPS ISLAND
STATE VIRGINIA
ZIP CODE 23337

FILE NAME MOVEMENT OF SUSPENDED PARTICULATE AND SOLUTE
CONCENTRATIONS WITHIN THE CHESAPEAKE BAY AND ITS MAJOR TRIBUTARIES
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
DELAWARE CANAL, CHOPTANK RIVER, WICOMICO RIVER, RAPPAHANNOCK RIVER, YORK RIVER
ABSTRACT MISSION W22C, FL. 1, JUNE 11, 1973, WITH WOLLOPS
STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA
SYSTEM IN COOPERATION WITH WATERWAYS EXPERIMENT STATION OF THE CORPS OF
ENGINEERS. OBJECTIVE - TO OBTAIN MULTI-BAND IMAGERY OF THE MAJOR RIVERS
EMPTYING INTO CHESAPEAKE BAY. IMAGERY WILL BE USED IN DELINEATING AREAS OF
HIGH PARTICULATE AND SOLUTE CONCENTRATIONS. WEATHER - FAZY WITH A FEW
SCATTERED CLOUDS, VISIBILITY UP TO 5 MILES, AIR TEMP. 10 DEG. C AT 10,000 FT.,
MSL WITH WIND OF 21 KNOTS FROM 320 DEG.

NAME PAUL ALFONSI
PHONE NUMBER 804-824-3411
INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
CITY WOLLOPS ISLAND
STATE VIRGINIA
ZIP CODE 23337

FILE NAME MOVEMENTS OF STRIPED BASS IN THE CHESAPEAKE BAY AT
CALVERT CLIFFS, MARYLAND
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
ABSTRACT DATA IS PRESENTED IN REPORT FORM ON THE RESULTS OF
STRIPED BASS TAGGING STUDIES CONDUCTED IN THE VICINITY OF CALVERT CLIFFS,
MARYLAND.

NAME DR. CLYDE E. GOLDEN
PHONE NUMBER 215 567 3700
INSTITUTION OR AGENCY THE ACADEMY OF NATURAL SCIENCES
STREET NINETEENTH AND THE PARKWAY
CITY PHILADELPHIA
STATE PENNSYLVANIA
ZIP CODE 19103

FILE NAME MSRC CRUISE 69C1
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL NEW YORK BIGHT, LONG
ISLAND SOUND, NEW YORK
ABSTRACT THE HYDROGRAPHIC SURVEYS OF LONG ISLAND SOUND WERE
DESIGNED TO IDENTIFY HYDROGRAPHIC EVENTS OF REGIONAL SIGNIFICANCE AND TO
ESTABLISH BASELINES FOR COMPARATIVE STUDIES OF WATER CHARACTERISTICS. DATA WAS
OBTAINED FROM 18 STATIONS TAKEN IN 1969

NAME CHARLES D. HARDY
PHONE NUMBER 516 246-7710
INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
CITY STONY BROOK
STATE NEW YORK
ZIP CODE 11750

FILE NAME MSRC CRUISE 70C1
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
LONG ISLAND SOUND
ABSTRACT SURVEYS WERE CONDUCTED TO DETERMINE THE TIME-SPACE
VARIATIONS OF THE PHYSICAL AND CHEMICAL PROPERTIES OF THE WATERS IN LONG
ISLAND SOUND. ABOARD THE R/V MICMAC.

NAME CHARLES D. HARDY
PHONE NUMBER 516 246 7710
INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
CITY STONY BROOK
STATE NEW YORK
ZIP CODE 11750

FILE NAME MSRC CRUISE 7013
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, NEW YORK BIGHT, NEW YORK
 ABSTRACT THE PHYSICAL CHARACTERISTICS OF THE SHELF AND SLOPE WATERS OF NEW YORK BIGHT ARE DISCUSSED. DATA WAS OBTAINED FROM 10 STATIONS IN 1970.
 NAME MALCOLM J. BOWMAN
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11790

FILE NAME MSRC CRUISE 7014
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, NEW YORK BIGHT, LONG ISLAND SOUND, NEW YORK
 ABSTRACT WIND MIXING OF THE WATER COLUMN RESULTED IN AN ABSENCE OF VERTICAL DIFFERENCES IN PHYSICAL PARAMETERS DURING THIS OCTOBER 1970 CRUISE. A DRAMATIC IMPROVEMENT WAS NOTED IN THE VERTICAL DISTRIBUTION OF DISSOLVED OXYGEN SINCE THE AUGUST 1970 MINIMUM. AMMONIA FORMED THE LARGEST MEASURED FRACTION OF THE DISSOLVED FORMS OF NITROGEN IN ALMOST ALL AREAS OF LONG ISLAND SOUND. DATA WAS OBTAINED FROM 33 STATIONS TAKEN IN 1970.
 NAME CHARLES D. HARDY
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11790

FILE NAME MSRC CRUISE 7101
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, NEW YORK BIGHT, LONG ISLAND SOUND, NEW YORK
 ABSTRACT THE HYDROGRAPHIC FEATURES OF LOWER NEW YORK BAY, UPPER NEW YORK BAY, THE EAST RIVER, LONG ISLAND SOUND AND BLOCK ISLAND ARE DESCRIBED. FROM DATA OBTAINED AT 26 STATIONS TAKEN IN 1971.
 NAME CHARLES D. HARDY
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11790

FILE NAME MSRC CRUISE 7101
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT
 ABSTRACT THE DEPTH, TEMPERATURE, SALINITY AND DENSITY OF SHELF AND SLOPE WATERS OF NEW YORK BIGHT WERE MEASURED AT 32 STATIONS USING AN STD. BOARD THE R/V UNCALNTEC
 NAME MALCOLM J. BOWMAN
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11790

FILE NAME MSRC CRUISE 7102
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, NEW YORK BIGHT, LONG ISLAND SOUND, NEW YORK HARBOR
 ABSTRACT THE HYDROGRAPHIC FEATURES OF LOWER NEW YORK BAY, UPPER NEW YORK BAY, THE EAST RIVER, LONG ISLAND SOUND AND BLOCK ISLAND ARE DESCRIBED. DATA WAS OBTAINED FROM 49 STATIONS IN 1971.
 NAME CHARLES D. HARDY
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11790

FILE NAME MSRC CRUISE 7102
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT
 ABSTRACT THE PHYSICAL CHARACTERISTICS DEPTH, TEMPERATURE, SALINITY, AND DENSITY OF SHELF AND SLOPE WATERS OF NEW YORK BIGHT WERE MEASURED. A BOARD THE R/V UNCALNTEC.
 NAME MALCOLM J. BOWMAN
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11790

FILE NAME MSRC CRUISE 7308
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, LONG ISLAND
 SOUND, COASTAL, NEW YORK HARBOR, NEW YORK
 ABSTRACT SURFACE DRIFT OF THE NEW YORK BIGHT WAS DETERMINED
 BY THE USE OF DRIFT CARD DATA.
 NAME CHARLES D. FARCY
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROCK
 STATE NEW YORK
 ZIP CODE 11750

FILE NAME MSRC CRUISE 7308
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 NEW YORK
 ABSTRACT SURFACE DRIFT & BOTTOM DRIFT OF WATERS NEAR A
 SLUDGE DUMP SITE IN THE NEW YORK BIGHT WERE INVESTIGATED BY USE OF 2 BOUYS
 WITH BUOYES.
 NAME MALCOLM J. BOYMAN
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROCK
 STATE NEW YORK
 ZIP CODE 11750

FILE NAME MSRC CRUISE 7308
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, LONG ISLAND
 SOUND, COASTAL, NEW YORK HARBOR, NEW YORK
 ABSTRACT THIS RESEARCH PROJECT WAS INTERESTED IN TRACING THE
 ENVIRONMENTAL IMPACT OF THE POLLUTANTS WHICH ARE DISCHARGED INTO THE APEX OF
 THE NEW YORK BIGHT. PARTICULAR INTEREST WAS GIVEN TO AMMONIA AND NITRATES.
 NAME IVER CUEDALL
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROCK
 STATE NEW YORK
 ZIP CODE 11750

FILE NAME MSRC CRUISE 7308
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, LONG ISLAND
 SOUND, NEW YORK HARBOR, COASTAL, NEW YORK
 ABSTRACT DATA FOR THE NEW YORK BIGHT ON VARIOUS CHEMICAL AND
 PHYSICAL PARAMETERS WERE COLLECTED FROM 148 STATIONS DURING AUGUST OF 1973.
 NAME IVER CUEDALL
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROCK
 STATE NEW YORK
 ZIP CODE 11750

FILE NAME MT. SINAI HARBOR
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND, MT. SINAI HARBOR
 ABSTRACT 28 STATIONS LOCATED IN MT. SINAI HARBOR WERE
 SAMPLED FROM SEPTEMBER 1968 TO THE PRESENT FOR ORTHOPHOSPHATE, NITRATE,
 NITRITE, CHLOROPHYLL A, CHLOROPHYLL B, CHLOROPHYLL C, SALINITY, TEMPERATURE,
 COPPER, NICKEL, LEAD, CHROMIUM, COBALT, MAGNESIUM, SEDIMENT SIZE ANALYSIS, AND
 COUNT AND SPECIES DETERMINATION OF PHYTOPLANKTON AND BENTHIC ANIMALS.
 NAME JOHN A. BLACK
 PHONE NUMBER 516 732 1600 X243
 INSTITUTION OR AGENCY DEPARTMENT OF MARINE SCIENCE, SUFFOLK COUNTY
 COMMUNITY COLLEGE
 STREET COLLEGE ROAD
 CITY SELDEN
 STATE NEW YORK
 ZIP CODE 11764

FILE NAME MULTI-CHANNEL OCEAN COLOR SENSOR TEST MISSION
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA JAMES RIVER TO NEWPORT NEWS & POCOKE SOUND TO CAPE CHARLES
 ABSTRACT MISSION W200, FLIGHT 1, APRIL 3, 1973, UTILIZING
 THE WOLLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO HASSELBLAD CAMERA AND A
 MULTI-CHANNEL OCEAN COLOR SENSOR. THE OBJECTIVE OF THE FLIGHT WAS TO TEST THE
 MULTI-CHANNEL OCEAN COLOR SENSOR UNDER FLYING CONDITIONS PRIOR TO USE ON A
 DATA GATHERING MISSION. LOW BROKEN CLOUDS, VISIBILITY UP TO 6 MILES. THE AIR
 TEMPERATURE WAS 10 DEG. C AT 17,500 FT. MSL, WIND OF 50 KNOTS FROM 295 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER EC4-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME MULTIMARSH INVESTIGATIONS, WATERFOWL HARVEST
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, SANDY
 HOOK BAY AND REEDS ABSECON BAY
 ABSTRACT WATERFOWL UTILIZATION AND HUNTER BAG HARVEST CHECKS
 ARE REPORTED FOR THE SANDY HOOK BAY AND REEDS ABSECON BAY WETLAND AREAS.
 WATERFOWL UTILIZATION AND PERCENT COMPOSITION ARE REPORTED FOR 9 SPECIES IN
 SANDY HOOK BAY AND FOR 10 SPECIES IN ABSECON BAY. HARVEST NUMBERS ARE GIVEN
 RELATIVE TO HUNTER UTILIZATION FOR THE PERIOD FROM OCTOBER THROUGH JANUARY IN
 BOTH AREAS. A TOTAL OF 611 HUNTERS WERE CHECKED DURING THE SEASON FOR A TOTAL
 BAG OF 175 DUCKS; 321 BRANT; 14 CANADA GEESE; 93 SNOW GEESE IN THE
 ABSECON-REEDS BAY STUDY AREA. IN THE SANDY HOOK BAY AREA 193 HUNTERS WERE
 CHECKED-TOTAL HARVEST WAS 199 DUCKS AND 2 GEESE.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME MUNICIPAL AND INDUSTRIAL INFLUENT AND EFFLUENT DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW YORK
 BIGHT, NEW YORK METROPOLITAN AREA
 ABSTRACT 250 STATIONS IN THE NEW YORK METROPOLITAN AREA WERE
 SAMPLED FROM JANUARY 1943 TO THE PRESENT FOR VARIOUS PHYSICAL, CHEMICAL, AND
 BIOLOGICAL PARAMETERS. THE LAST THREE YEARS DATA ARE ON PUNCHED CARDS.

NAME DR. ALAN I. MYTELKA
 PHONE NUMBER 212 562 0360
 INSTITUTION OR AGENCY INTERSTATE SANITATION COMMISSION
 STREET 10 COLUMBUS CIRCLE, RM 1620
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10019

FILE NAME MUSKRAT FOOD HABITS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL PLAIN, PIEDMONT, U.S.,
 MARYLAND

ABSTRACT A SURVEY OF THE FOOD HABITS OF THE FURBEARING
 MUSKRAT, ONDatra zibethicus macrodon, IS INTENDED TO AID IN IMPROVING AND
 WIDENING THE MUSKRAT HABITAT. INCLUDED IS A REVIEW OF SEVEN EARLIER MUSKRAT
 STUDIES FROM 1910 THRU 1951. THERE ARE DIFFERENT FOOD HABITS OF MUSKRATS
 LIVING IN FRESH AND BRACKISH WATER AND THOSE INHABITING STREAMS, RIVERS, DEEP
 PONDS, AND LAKES AGAINST THE MARSH DWELLING MUSKRATS. 150 MUSKRATS WERE
 TRAPPED AND KILLED FOR STOMACH CONTENT ANALYSIS, WHICH YIELDED SEASONAL
 DISTRIBUTION GRAPHS OF CONSUMED PLANT PARTS AND PLANT GROUPS FOR BRACKISH AND
 FRESH-WATER DWELLERS. SEASONAL DISTRIBUTION OF PLANT PARTS FROM STOMACH CONTENT
 ANALYSIS WERE RECORDED FOR EACH STATION. MICROSCOPIC ANALYSIS WAS COMPARED
 WITH BOTH THIN SECTIONS AND DIREX-GLUE PEELING. INGESTED GREEN ALGAE WAS
 IDENTIFIED TO GENERA.

NAME JAMES R. GOLDSBERRY, DIRECTOR
 PHONE NUMBER 301 267 5195
 INSTITUTION OR AGENCY MARYLAND WILDLIFE ADMINISTRATION, DEPARTMENT OF
 NATURAL RESOURCES
 STREET TAWES STATE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME NAPIS 68-0101 EAST COAST LIGHT SHIP DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., EAST COAST, PORTLAND TO
 SAVANNA

ABSTRACT FILE CONTAINS WEEKLY SURFACE AND SUBSURFACE
 TEMPERATURE AND SALINITY FOR 12 LIGHT SHIPS ALONG THE EAST COAST OF THE UNITED
 STATES FOR THE YEAR 1956. OBSERVATIONS FROM THE FOLLOWING LIGHT SHIPS ARE IN
 THE FILE: PORTLAND, BOSTON, NANTUCKET, AMERCSE, EARNEGAT, FIVE FATHOMS, WINTER
 QUARTER SHOALS, CHESAPEAKE, DIAMOND SHOALS, FRYING PAN AND SAVANNA.

NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NGAA/EDS/NODC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 71-0162 HUDSON CANYON CURRENT METERS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN HUDSON RIVER CANYON
 ABSTRACT A SURVEY OF THE HUDSON RIVER CANYON IN 1967 BY THE
 U.S. NAVAL OCEANOGRAPHIC OFFICE. SHIPS INVOLVED WERE THE USNS SANS, GILLISS,
 AND LYNCH. THIS FILE CONTAINS BOTTOM ANCHORED GEODYNE CURRENT METER DATA FOR
 FOUR STATIONS. SEISMIC DATA AND BOTTOM PHOTOGRAPHS WERE SENT TO NGSOC.
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCAA/ECS/NODC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 71-1380 J.D. CRUISE DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE BAY
 AND RIVER TO PHILADELPHIA
 ABSTRACT FILE CONSISTS OF DATA FROM J.D. CRUISES 1-14 AND
 16-17. ACTUAL CRUISE REPORTS WERE NOT COPIED BUT SUMMARY DATA IS INCLUDED.
 PROJECT WAS A JOINT STUDY OF THE DELAWARE ESTUARY FROM THE MOUTH TO
 PHILADELPHIA BY THE UNIVERSITY OF DELAWARE AND RUTGERS UNIVERSITY FROM
 1954-1959. TOTAL OF 16 CRUISES WERE MADE APPROXIMATELY 4 PER YEAR.
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCAA/ECS/NODC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 72-0475 HYDROGRAPHIC DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN
 ABSTRACT FILE CONTAINS 56 HYDROGRAPHIC STATIONS FROM THE
 UNIVERSITY OF RHODE ISLAND, NARRAGANSETT MARINE LABORATORY, TRIDENT CRUISE
 TR-05E.
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCAA/ECS/NODC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 72-055E HYDROGRAPHIC DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN
 ABSTRACT FILE CONTAINS 34 OCEANOGRAPHIC STATIONS FROM THE
 UNIVERSITY OF RHODE ISLAND, NARRAGANSETT MARINE LABORATORY, TRIDENT CRUISES
 NO. TR-95, TR-99, TR-109
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCAA/ECS/NODC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 72-0735 ATMOSPHERIC AND SURFACE POLLUTANT
 TRANSPORT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, NARRAGANSETT BAY, N.Y. BIGHT
 ABSTRACT DATA TAKEN AT 114 STATIONS FOR FATTY ACIDS,
 HYDROCARBONS AND HEAVY METALS IN BIOLOGICAL MATERIAL AS PART OF IDCE. 18 OF
 THESE STATIONS WERE SAMPLED FOR METALS IN AIR. THE MAIN PURPOSE OF THESE
 EXPERIMENTS WAS TO TRACE ATMOSPHERIC AND SURFACE POLLUTANTS ON THE OCEANS.
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCAA/ECS/NODC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 72-114G STD DATA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MID
 ATLANTIC BIGHT
 ABSTRACT COLLECTION OF PRESERVED SPECIMENS OF FISH FOUND IN
 THE WATERS OF CHESAPEAKE, BAY AND THE MID-ATLANTIC BIGHT
 NAME RAY BIRDSONG
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME NAPIS 72-1380 TEMPERATURE-DEPTH DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN
 ABSTRACT FILE CONSISTS OF 32 OCEAN STATIONS. MEASUREMENT OF
 DEPTH AND TEMPERATURE WERE MADE AT EACH STATION. SAMPLING DEPTH VARIED FROM
 SURFACE TO 300 M. NO INFORMATION AVAILABLE AS TO METHODS USED.
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NOAA/EDS/NGDC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 73-0025 HYDROGRAPHIC DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN
 ABSTRACT FILE CONTAINS OCEANOGRAPHIC STATION DATA COLLECTED
 BY UNIVERSITY OF RHODE ISLAND R/V TRIDENT APRIL-JUNE 1972. 47 STATIONS WERE
 MADE DURING TWO CRUISES.
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NOAA/EDS/NGDC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 73-0810 PHYSICAL AND CHEMICAL STATION DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW YORK, LONG
 ISLAND SOUND, BLOCK ISLAND SOUND
 ABSTRACT DATA TAKEN AT 124 STATIONS OFF LONG ISLAND, NEW
 YORK IN 1971, BY THE NEW YORK OCEAN SCIENCE LABORATORY. PARAMETERS MEASURED
 INCLUDE WIND SPEED AND DIRECTION, DEPTH, TEMPERATURE, SALINITY, DISSOLVED
 OXYGEN, PHOSPHATE, NITROGEN, CHLOROPHYLL, SILICON, AND CAROTENOIDS.
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NOAA/EDS/NGDC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 74-0384 TAR BALL CHEMICAL ANALYSIS DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, WESTERN NORTH ATLANTIC, GULF OF
 MEXICO, NORTH PACIFIC, COASTAL, U.S., TEXAS, FLORIDA
 ABSTRACT THIS DATA FILE CONTAINS THE ANALYSIS OF 14 TAR BALL
 SAMPLES COLLECTED FROM THE NORTH ATLANTIC, GULF OF MEXICO, COASTAL FLORIDA AND
 TEXAS, AND 2 LOCATIONS IN THE NORTH PACIFIC. PARAMETERS REPORTED INCLUDE
 MINERALOGY, METALS, PARAFINS, SULFUR, OXYGEN, ALKANES, ISOPRENOIDS,
 ISO-ALKANES, AND ALIPHATIC HYDROCARBONS. SATURATED AND AROMATIC HYDROCARBONS,
 AND HETEROCOMPOUNDS (OF AN UNKNOWN TYPE) WERE SEPARATED FROM TAR FRACTION BY
 LIQUID-SOLID CHROMATOGRAPHY. SATURATE FRACTIONS FROM THE TARS WERE ANALYZED BY
 GAS-LIQUID CHROMATOGRAPHY. FOR NORMAL ALKANES AND ISOPRENOID ISO-ALKANES IN
 THE C(10) TO C(20) RANGE.

NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NOAA/EDS/NGDC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 75-0128 WATER QUALITY MEASUREMENTS IN NEW
 JERSEY COASTAL WATERS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, NEW JERSEY
 ABSTRACT ON 8 AND 27 MARCH, 12 AND 27 JUNE, AND 11 AND 25
 JULY 1974 24 STATIONS WERE SAMPLED BY THE R/V SEA QUEST IN THE VICINITY OF THE
 PROPOSED ATLANTIC GENERATING STATION OFF THE NEW JERSEY COAST. TEMPERATURE,
 SALINITY, PH, WATER CHEMISTRY AND DISSOLVED OXYGEN SAMPLES WERE OBTAINED.
 TEMPERATURE, SALINITY, AND PH WERE MEASURED IN SITU.

NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7258
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NOAA/EDS/NGDC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 75-0592 CURRENT DATA FROM R/V TRIDENT CRUISES
 AND REAF POINT STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CARIBBEAN, COASTAL,
 AFRICA
 ABSTRACT SUBSURFACE CURRENT DATA WAS COLLECTED FROM 22
 STATIONS ON 10 CRUISES IN 1969-1972. THE DEPTHS OF THE VARIOUS INSTRUMENTS ARE
 NEAR THE BOTTOM BUT RANGE IN DEPTHS FROM 10 M TO OVER 4000 M.
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCAA/ECS/NOCC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 75-0614 MESA-NEW YORK BIGHT CURRENT DATA FROM
 BUCYS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., N.Y. BIGHT
 ABSTRACT CURRENT SPEED, DIRECTION, TEMPERATURE, PRESSURE AND
 CONDUCTIVITY WERE COLLECTED FROM OCT. 74 TO DEC. 74 USING 220 TAUT-WIRE BUCYS
 IN THE NEW YORK BIGHT.
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCAA/ECS/NOCC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 75-0531, 75-1210 MESA WATER PHYSICS AND
 CHEMISTRY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, N.Y. BIGHT
 ABSTRACT 463 STATIONS WERE SAMPLED DURING 7 CRUISES IN THE
 NEW YORK BIGHT FROM NOV. 1973 TO JUNE 1974. PARAMETERS MEASURED INCLUDED:
 SALINITY, TEMPERATURE, PH, DISSOLVED OXYGEN, AMMONIUM, NITRATE, NITRITE,
 PHOSPHATE, SILICATE, TURBIDITY, SUSPENDED SOLIDS, AND CHLOROPHYLL A
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCAA/ECS/NOCC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 75-1260 ENVIRONMENT SURVEY OF TWO INTERIM
 DUMP SITES, MIDDLE ATLANTIC BIGHT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, MIDDLE ATLANTIC BIGHT, U.S., COASTAL
 ABSTRACT A SECOND OCEANOGRAPHIC SURVEY CRUISE WAS MADE TO AN
 INTERIM MUNICIPAL SLUDGE DUMPSITE AND INITIALLY TO AN INTERIM DUMPSITE FOR THE
 DISPOSAL OF INDUSTRIAL ACID WASTE IN THE FALL OF 1973. BOTH SITES ARE LOCATED
 ON THE CONTINENTAL SHELF IN THE MIDDLE ATLANTIC BIGHT. OBSERVATIONS WERE MADE
 OF THE HYDROGRAPHIC AND BATHYMETRIC CONDITIONS, MAJOR CIRCULATION PATTERNS,
 WATER QUALITY, SEDIMENT COMPOSITION, HEAVY METALS IN SEDIMENTS AND BIOTA,
 BACTERIOLOGY, PHYTOPLANKTON AND ZOOPLANKTON COMMUNITIES, VERTEBRATES AND
 BENTHIC INVERTEBRATES
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCAA/ECS/NOCC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 76-1289 VIMS BACTERIOLOGY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, NORTHEASTERN U.S., COASTAL
 ABSTRACT FILE CONTAINS BACTERIOLOGICAL DATA COLLECTED BY
 VIMS. PARAMETERS MEASURED INCLUDE SPECIES DETERMINATION OF MICROBIOTA, COUNT
 OF MICROBIOTA, WATER, SEDIMENT, AND AIR TEMPERATURES, DEPTH, PRESSURE, WIND
 DIRECTION AND SPEED, WEATHER, AND LIGHT ATTENUATION
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCAA/ECS/NOCC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 76-1344 ATLANTIC COASTAL EXPERIMENT
 GENERAL GEOGRAPHIC AREA U.S., COASTAL ATLANTIC OCEAN
 ABSTRACT FILE CONTAINS PHYSICAL, CHEMICAL, AND HYDROGRAPHIC
 DATA COLLECTED ALONG THE EASTERN COASTAL UNITED STATES. PARAMETERS MEASURED
 INCLUDE DEPTH, TEMPERATURE, SALINITY, PHOSPHATE, SILICATE, NITRATE, NITRITE,
 AND AMMONIA.
 NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCAA/ECS/NOCC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 76-1402 FIN RCT PROGRAM
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, N.Y. BIGHT
 ABSTRACT THE OBJECTIVE OF THIS PROGRAM WAS TO STUDY THE BIOLOGICAL CONDITION OF DISEASED FINS OF FISH. THE SAMPLING AND DATA COLLECTION TOOK PLACE FROM FEBRUARY, 1973 THROUGH DECEMBER, 1975 IN THE NORTHEASTERN UNITED STATES. SOME OF THE PARAMETERS MEASURED WERE AIR AND WATER TEMPERATURE, SALINITY, WEATHER, SPECIES DETERMINATION OF PELAGIC FISH, COUNT OF PELAGIC FISH, BIOLOGICAL CONDITION OF PELAGIC FISH, MERISTIC MEASUREMENT IN PELAGIC FISH, AND LENGTH OF PELAGIC FISH. NOT ALL OF THE STATIONS WERE SAMPLED FOR THE SAME PARAMETERS.

NAME OCEANOGRAPHIC SERVICES BRANCH, 0761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCA/EDS/NOCC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NAPIS 76-1613 NATIONAL OCEAN SURVEY TIDAL
 INFORMATION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, CHEESAPEAKE BAY
 ABSTRACT THIS FILE CONTAINS WATER LEVEL MEASUREMENTS TAKEN EVERY HALF HOUR IN CHEESAPEAKE BAY FROM JANUARY 1, 1972 THROUGH JUNE 30, 1974 BY THE NATIONAL OCEAN SURVEY.

NAME OCEANOGRAPHIC SERVICES BRANCH, 0761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NCA/EDS/NOCC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NASA SKYLAB: APPLICATION OF SKYLAB IN THE STUDY OF
 COASTAL PRODUCTIVITY AREAS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, ASSATEAGUE ISLAND
 ABSTRACT PROJECT TO CORRELATE CHLOROPHYLL AND PHYTOPLANKTON CONCENTRATIONS TO REMOTE SENSING TECHNIQUES. REMOTE SENSING WITH THE USE OF SKYLAB 2 IN COOPERATION WITH NASA LANGLEY

NAME HAROLD G. MARSHALL
 PHONE NUMBER 804-485-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET DEPT OF BIOLOGICAL SCIENCES
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23506

FILE NAME NATURAL GAMMA RADIATION OF DEEP SEA CORES
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
 ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS INSTITUTION OF OCEANOGRAPHY IS AFFILIATED WITH THE JOINT OCEANOGRAPHIC INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). DSDP HAS TAKEN GEOLOGICAL AND GEOPHYSICAL DATA FROM THE DRILLING SHIP GLomar CHALLENGER AT 383 SITES OVER THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED AND ARCHIVED BY THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND RETRIEVAL METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE FROM THE GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS A SEPARATE FILE. THE NATURAL GAMMA RADIATION OF MANY CORE SECTIONS WAS MEASURED ROUTINELY DURING THE EARLY PHASE OF THE PROJECT. RESULTS ARE REPORTED IN COUNTS PER 3 INCHES OF CORE PER 1.25 MINUTES.

NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3526
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF OCEANOGRAPHY
 STREET P.O. BOX 1525
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92038

FILE NAME NATURAL HISTORY OF COYPODE QUADRATA WITH
 COMPARATIVE INVESTIGATIONS OF COYPODE CERATOPHTHALMA AND COYPODE CERCIMANA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, AUSTRALIA, COASTAL,
 GREEN ISLAND
 ABSTRACT COMPARISONS HAVE BEEN MADE OF RELATED BEHAVIOR IN THREE SPECIES OF THE GENUS COYPODE QUADRATA FROM DELAWARE AND CERATOPHTHALMA AND CERCIMANA FROM AUSTRALIA. DIFFERENCES IN BEHAVIOR PATTERNS ARE NOTED AND AN ATTEMPT IS MADE TO RELATE THESE TO VARIOUS ASPECTS OF THE ENVIRONMENT.

NAME INTERLIBRARY LOAN
 PHONE NUMBER 302 738 2236
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME NATURAL RESOURCE INVENTORY OF MIDDLE RUN STUDY
 AREA, NEW CASTLE COUNTY, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE, NEW CASTLE COUNTY, PIKE CREEK, MIDDLE RUN
 ABSTRACT THE WATER CHEMISTRY, PHYSICAL AND BIOLOGICAL PARAMETERS COGENT TO A NATURAL RESOURCES INVENTORY OF THE MIDDLE RUN STUDY AREA IN NEW CASTLE COUNTY, DELAWARE WERE SURVEYED IN 1975 AT 8 STATIONS. THE PARAMETERS MEASURED IN 2 SURVEYS INCLUDE STREAM FLOW, TEMPERATURE, CONDUCTIVITY, PH, DISSOLVED OXYGEN, DISSOLVED SOLIDS, HARDNESS, AMMONIA, NITRATE, PHOSPHATE, NITROGEN, COLIFORMS, COUNTS AND SPECIES OF AQUATIC INVERTEBRATES, AMPHIBIANS, REPTILES AND MAMMALS.

NAME JACK MC CORMICK
 PHONE NUMBER 215 647 5000
 INSTITUTION OR AGENCY JACK MC CORMICK AND ASSOCIATES, INC.
 STREET 511 OLD LANCASTER ROAD
 CITY BERWYN
 STATE PENNSYLVANIA
 ZIP CODE 19312

FILE NAME NE 35 STATIONS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, GREAT LAKES
 ABSTRACT MAXIMUM TEMPERATURE, MINIMUM TEMPERATURE AND PRECIPITATION DATA COLLECTED AT 57 STATIONS THROUGHOUT NEW YORK STATE COVERING THE PERIOD 1926-1956.

NAME DR. BERNARD E. DETHIER
 PHONE NUMBER 607 256 3024
 INSTITUTION OR AGENCY CORNELL UNIVERSITY
 STREET BOX 21, BRADFIELD HALL
 CITY ITHACA
 STATE NEW YORK
 ZIP CODE 14850

FILE NAME NEKTON STUDIES OF THE CAPE FEAR AREA, N.C.
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, CAPE FEAR
 ABSTRACT A TWO YEAR STUDY OF THE CAPE FEAR RIVER ESTUARY AND OCEAN OFF CAK ISLAND, NORTH CAROLINA WAS CONDUCTED. STUDY INCLUDED ESTABLISHMENT OF THE MAGNITUDE AND DIVERSITY OF THE NEKTON AND ESTABLISHING ENVIRONMENTAL CRITERIA FOR THEIR PRODUCTIVITY. THIRTY-TWO SPECIES WERE COLLECTED FROM TWENTY-ONE SAMPLING STATIONS, COUNTED AND KEYED. THE VAST MAJORITY OF SPECIES COLLECTED WERE JUVENILES.

NAME E. J. CEPERANO
 PHONE NUMBER 919 737 2565
 INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
 CITY RALEIGH
 STATE NORTH CAROLINA
 ZIP CODE 27607

FILE NAME NEOPLASM IN MYA ARENARIA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MAINE TO NEW JERSEY, COASTAL
 ABSTRACT SINCE 1975, DR. SAUL B. SAILA AT THE UNIVERSITY OF RHODE ISLAND'S NARRAGANSETT BAY CAMPUS, NARRAGANSETT, RHODE ISLAND 02882, HAS BEEN OBSERVING NEOPLASM IN MYA ARENARIA (SOFT-SHELLED CLAM). NINE SITES FROM COASTAL MAINE TO NEW JERSEY WERE CHOSEN BY THE DEGREE OF ENVIRONMENTAL STRESS PRESENT. THESE POLLUTED, MODERATELY, AND HIGHLY POLLUTED STATIONS ARE VISITED AT QUARTERLY INTERVALS. PARAMETERS MEASURED INCLUDE: COUNT, SPECIES AND SEX DETERMINATION, LENGTH, WET AND SHUCKED WEIGHT, AND MORPHOMETRIC MEASUREMENT OF BENTHIC ANIMALS. HISTOLOGICAL SLIDES OF DISEASED CLAMS, AND STORED TISSUE OF NEOPLASTIC CLAMS ARE AVAILABLE. THE DATA ARE STORED ON PUNCHED CARDS, 1 CARD FOR EACH OF THE 1,800 CLAMS STUDIED SO FAR.

NAME DR. SAUL B. SAILA
 PHONE NUMBER 401 792 6239
 INSTITUTION OR AGENCY UNIVERSITY OF RHODE ISLAND
 STREET NARRAGANSETT BAY CAMPUS, MARINE BUILDING
 CITY NARRAGANSETT
 STATE RHODE ISLAND
 ZIP CODE 02882

FILE NAME NEST SITE SELECTION, MICROENVIRONMENT AND PREDATION
 OF YELLOWJACKET WASPS, VESPULA MACULIFRONS (BOUSSON), (HYMENOPTERA, VESPIDAE)
 IN A DECIDUOUS DELAWARE WOODLOT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING FIELD STUDIES CONDUCTED IN A DECIDUOUS DELAWARE WOODLOT DURING 1965 AND 1966 ON THE ECOLOGY OF THE YELLOWJACKET, VESPULA MACULIFRONS. EMPHASIZED ARE FACTORS ASSOCIATED WITH NEST SITE SELECTION, MORTALITY FACTORS ASSOCIATED WITH ANNUAL YELLOWJACKET WASP POPULATION LEVELS AND NEST MICROENVIRONMENT.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME NESTING DENSITIES OF WADING BIRDS ON SPICIL AREAS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, COASTAL, COWPENS ISLAND
 ABSTRACT RESULTS OF NESTING TRANSECTS ON COWPENS ISLAND ROCKERY IS REPORTED. THE TRANSECT SURVEYS REPORT NUMBERS OF NESTS FOUND FOR GREAT EGRETS, SNOWY EGRETS, BLACK-CROWNED NIGHT HERON, LITTLE BLUE HERON, GLOSSY IBIS, TRI-COLORED HERON. ALSO, EXTRAPOLATIONS ARE PERFORMED TO ESTIMATE TOTAL NUMBERS OF NESTS FOR EACH SPECIES ON COWPENS ISLAND. A STATION OR TRANSECT RANGED FROM 200 TO 300 YARDS IN LENGTH AND 6 TO 12 YARDS IN WIDTH. ALSO, PARAMETER REFLECTS COUNT OF NEST WHICH IN DIRECTLY PERTAINS TO A COUNT OF BIRDS.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME NESTING SURVEY IN CEDAR RUN STUDY AREA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, CEDAR RUN STUDY AREA
 ABSTRACT NEST SEARCHES WERE MADE IN NINE MARSH VEGETATION TYPES ON THE CEDAR RUN STUDY AREA. A TOTAL OF 149 NESTS WERE LOCATED IN 100 ONE-HALF ACRE SEARCH AREAS.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 252 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME NEUTRALIZATION EXPERIMENTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, CAMDEN COUNTY
 ABSTRACT TWO ACID PONDS ON THE WINSLOW TRACT, CAMDEN COUNTY, NEW JERSEY, WERE USED IN A STUDY CONDUCTED FROM APRIL 1965 THROUGH MARCH 1970 TO INVESTIGATE THE FEASIBILITY OF INCREASING THE PH AND ALKALINITY OF ACID PONDS THROUGH APPLICATION OF HYDRATED LIME AND THEN MAINTAINING THESE LEVELS BY APPLYING CRUSHED LIMESTONE AS REQUIRED. WATER QUALITY PARAMETERS WHICH WERE MEASURED DURING THE STUDY INCLUDED TEMPERATURE, DISSOLVED OXYGEN GAS AND CARBON DIOXIDE GAS, ALKALINITY, AND PH.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEEHANN
 STATE NEW JERSEY
 ZIP CODE 08633

FILE NAME NEW CASTLE COUNTY NATURAL AREAS STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT THIS FILE CONTAINS THE FIELD SURVEY DATA FOR 61 SEPARATE NATURAL AREA LOCATED WITHIN NEW CASTLE COUNTY DELAWARE THE DATA TAKEN FROM SEPTEMBER 1974 UNTIL JUNE 1975 INCLUDES INFORMATION ON VEGETATION TYPES, SOIL TYPES, ROCK FORMATION, VEGETATION AGE AND SIZE, BIGTA AND FAUNA PRESENCE IN EACH AREA, AND SIZE AND SPECIES DATA IN PARTICULAR ON FERNS. A CLASSIFICATION OF EACH AREA IS MADE BASED ON THE ABOVE LISTED DATA. EACH SURVEY AREA WAS PROFILED USING 100 FOOT DIAMETER TEST AREAS FROM GROUND TO TREE CANOPY LEVEL.

NAME NORMAN WILDER
 PHONE NUMBER 302 458 0204
 INSTITUTION OR AGENCY DELAWARE NATURE EDUCATION SOCIETY
 STREET BOX 2500
 CITY GREENVILLE
 STATE DELAWARE
 ZIP CODE 19807

FILE NAME NEW CHURCH - OAK HILL PINE BARK BEETLE STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., VIRGINIA, OAK HILL, NEW CHURCH
 ABSTRACT MISSION W049, FLIGHT01, WAS ACCOMPLISHED ON MARCH
 5, 1971, UTILIZING A WALLCPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE INSECT AND DISEASE
 INVESTIGATIONS BRANCH OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC
 DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO DETECT PINE BARK BEETLE
 INFESTATION OF PINE TREES IN THE NEW CHURCH TO OAK HILL AREA OF VIRGINIA.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME NEW JERSEY SPORTS COMPLEX MONITORING REPORTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY,
 HACKENSACK, UPPER AND LOWER BERRYS CREEK
 ABSTRACT THIS FILE CONTAINS THE MONTHLY ENVIRONMENTAL
 MONITORING DATA FOR THE MARSH LANDS BORDERING ON THE UPPER AND LOWER BERRYS
 CREEK NEAR HACKENSACK, NEW JERSEY IN THE AREA OF THE NEW JERSEY SPORTS COMPLEX
 SITE. THE DATA, TAKEN SINCE MARCH 1973 INCLUDES: TIDAL HEIGHT, TURBIDITY, PH,
 TEMPERATURE, DISSOLVED OXYGEN, FLOATING SOLIDS, SUSPENDED SOLIDS, COLOR, OIL
 AND GREASE, RAINFALL, HEAVY AND TRACE METALS, SALINITY, NITRATE, NITRITE,
 AMMONIA, TOTAL PHOSPHORUS AND FECAL COLIFORM.
 NAME JACK MC CORMICK
 PHONE NUMBER 215 647 9000
 INSTITUTION OR AGENCY JACK MC CORMICK AND ASSOCIATES, INC.
 STREET 511 OLD LANCASTER ROAD
 CITY BERYN
 STATE PENNSYLVANIA
 ZIP CODE 19312

FILE NAME NEW JERSEY STATE AIR POLLUTION CONTROL CONTINUOUS
 AIR MONITORING NETWORK
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT 22 AIR MONITORING SITES HAVE ENCOMPASSED THE NEW
 JERSEY CONTINUOUS AIR MONITORING NETWORK SINCE 1966. A REPORT OF THE
 MEASUREMENTS OF AIR POLLUTANTS ARE PRINTED EACH MONTH AND ARE ALSO STORED AT
 THE EPA CENTRAL COMPUTER IN NORTH CAROLINA. THE CONTINUOUS AIR MONITORS THAT
 ARE STATIONED IN TRAILERS ARE LOCATED IN BAYCNE CAMDEN, NEWARK, ELIZABETH AND
 ANORA. THE AIR MONITORS THAT ARE STATIONED PERMANENTLY ARE LOCATED IN ANORA,
 ASEURY PARK, ATLANTIC CITY, BURLINGTON, CAMDEN, ELIZABETH, FREEHOLD,
 HACKENSACK, JERSEY CITY, MORRISTOWN, PATERSON, PAULSBORO, PENNS GROVE, PERTH
 AMBOY, PHILLIPSBURG, SOMERVILLE, TENS RIVER AND TRENTON.
 NAME SENIOR ENVIRONMENTAL SPECIALISTS
 PHONE NUMBER 609 292 6723
 INSTITUTION OR AGENCY NEW JERSEY BUREAU OF AIR POLLUTION CONTROL
 STREET LABOR AND INDUSTRY BUILDING
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME NEW SPECIES DESCRIPTIONS OF MONOGENEA, DIGENEA,
 CESTODA, NEMATODA, IN PROGRESS
 GENERAL GEOGRAPHIC AREA NORTHWEST ATLANTIC OCEAN, HUDSON CANYON
 ABSTRACT NEW SPECIES DESCRIPTIONS OF MONOGENEA, DIGENEA,
 CESTODA, AND NEMATODES RESULTED FROM SAMPLING OF HUDSON CANYON, NORTHWEST
 ATLANTIC OCEAN DURING THE FALL OF 1973 TO APRIL 1976. PARAMETERS MEASURED
 INCLUDE: SPECIES DETERMINATION OF PARASITES, PELAGIC FISH, AND BENTHIC
 ANIMALS; CLAS OF PARASITES, PELAGIC FISH AND BENTHIC ANIMALS; LENGTH OF
 PARASITES, MORPHOMETRIC MEASUREMENT OF PARASITES, AND SAMPLE OF PARASITES.
 DATA WERE COLLECTED BY DR. RONALD A. CAMPBELL, BIOLOGY DEPARTMENT,
 SOUTHEASTERN MASSACHUSETTS UNIVERSITY, NORTH DARTMOUTH, MASSACHUSETTS 02747,
 AND ARE AVAILABLE IN PUBLISHED FORM.
 NAME DR. RONALD A. CAMPBELL
 PHONE NUMBER 617 597 5321
 INSTITUTION OR AGENCY SOUTHEASTERN MASSACHUSETTS UNIVERSITY
 STREET OLD WESTPORT ROAD
 CITY NORTH DARTMOUTH
 STATE MASSACHUSETTS
 ZIP CODE 02747

FILE NAME NEW YORK EIGHT APEX
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK STATE, NEW YORK CITY,
 N.Y. EIGHT, COASTAL
 ABSTRACT THE ARMY CORP OF ENGINEERS CONDUCTED DEPTH
 MEASUREMENTS IN THE NEW YORK EIGHT FOR NOAA. THE PROJECT AREA EXTENDS FROM
 LOWER NEW YORK BAY, SOUTH TO 40 DEG, 17 MIN NORTH. THE EASTERN BOUNDARY LIMIT
 IS 73 DEG, 40 MIN WEST. SEISMIC AND SIDE-SCAN SONAR DATA WAS ALSO COLLECTED.
 NAME MR. PUSZAK
 PHONE NUMBER 212 264 0180
 INSTITUTION OR AGENCY ARMY CORP OF ENGINEERS
 STREET 26 FEDERAL PLAZA
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10007

FILE NAME NEW YORK BIGHT SEDIMENT SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. BIGHT, COASTAL
 ABSTRACT THE NEW YORK BIGHT SEDIMENT SURVEY OF JANUARY 7,
 1974 WAS A RAPID RECONNAISSANCE OF THE REGION IN ORDER TO DETERMINE THE
 POTENTIAL POLLUTION PROBLEMS. THIRTEEN STATIONS WERE SAMPLED FROM WHICH TOTAL
 AND FECAL COLIFORM COUNTS WERE MADE. WATER SAMPLES WERE ALSO COLLECTED AS PART
 OF THE SEDIMENT SAMPLE COLLECTION. THE SAMPLES WERE ANALYZED BY THE NEW YORK
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
 NAME GEORGE C. MEYER
 PHONE NUMBER 212 965 5051
 INSTITUTION OR AGENCY DEPARTMENT OF HEALTH, EDUCATION AND WELFARE, FDA
 REGION 2
 STREET 850 THIRD AVENUE
 CITY BROOKLYN
 STATE NEW YORK
 ZIP CODE 11232

FILE NAME NEW YORK HARBOUR ANNUAL SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, NEW YORK CITY, NEW
 YORK HARBOUR
 ABSTRACT DEPARTMENT OF WATER RESOURCES HAS MONITORED THE
 WATER QUALITY OF NEW YORK HARBOUR SINCE 1909. THERE ARE 44 STATIONS IN THE
 NETWORK AND THE PERIOD OF SAMPLING USUALLY EXTENDS FROM JUNE 1ST TO SEPTEMBER
 15TH. THE PARAMETERS DETERMINED IN THE SURVEY ARE SALINITY, TEMPERATURE,
 DISSOLVED OXYGEN, BIOCHEMICAL OXYGEN DEMAND, AND COLIFORM BACTERIA. METHODS OF
 MEASUREMENT HAVE CHANGED THROUGH THE YEARS. ANNUAL REPORTS ARE AVAILABLE FROM
 1920 TO THE PRESENT. STATIONS ARE SAMPLED ONCE EACH WEEK EXCEPT FOR 8 STATIONS
 WHICH ARE SAMPLED TWICE EACH WEEK. TWO SAMPLES ARE COLLECTED FROM EACH STATION.
 ONE SAMPLE FROM TWO FEET BELOW THE SURFACE AND ONE FROM TWO FEET ABOVE THE
 BOTTOM.
 NAME MR. WILLIAM PRESSMAN
 PHONE NUMBER 212 956 7500
 INSTITUTION OR AGENCY DEPT OF WATER RESOURCES, EPA BUREAU OF WATER
 POLLUTION CONTROL
 STREET 40 NORTH STREET
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10007

FILE NAME NEW YORK STATE EROSION AND SEDIMENT INVENTORY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK (ALL COUNTIES)
 ABSTRACT RECOGNIZING THE NEED FOR FACTUAL INFORMATION ABOUT
 EROSION AND SEDIMENTATION IN PLANNING FOR THE FUTURE, THIS STUDY REVEALS SOIL
 EROSION AND SEDIMENTATION INFORMATION FOR USE BY LOCAL SOIL CONSERVATION
 DISTRICTS, OTHER GOVERNMENTAL AGENCIES, AND INTERESTED RESEARCHERS. SOIL LOSS
 PER ACRE FOR EACH LAND USE, AS WELL AS SEDIMENT DELIVERY TO SELECTED POINTS
 WAS REPORTED.
 NAME STATE RESOURCE, CONSERVATIONIST
 PHONE NUMBER 315 473 3330
 INSTITUTION OR AGENCY US DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION
 SERVICE
 STREET FEDERAL OFFICE BUILDING
 CITY SYRACUSE
 STATE NEW YORK
 ZIP CODE 13210

FILE NAME NEW YORK STATE FRESHWATER WETLANDS INVENTORY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, UNITED STATES, NEW YORK STATE
 ABSTRACT THE NEW YORK STATE FRESHWATER WETLANDS INVENTORY
 CONTAINS MAPS AND DATA ON ALL THE WETLANDS IN NEW YORK STATE THAT ARE LARGER
 THAN ONE FIFTH HECTARE. PARAMETERS INCLUDE LAND USE, VEGETATION COVER TYPES
 AND AERIAL PHOTOGRAPHY. WETLANDS ARE: WET MEADOW, FLOODED DECIDUOUS TREES,
 DEAD FLOODED TREES, FLOODED SHRUBS, EMERGENTS, DRAINED MUCKLAND, REVERTED
 DRAINED MUCKLAND, FLOATING VEGETATION, OPEN WATER, UPLAND BODY, MATTED
 VEGETATION, AND FLOODED CONIFER TREES.

NAME PR. ERIC FRIED
 PHONE NUMBER 516 457 4657
 INSTITUTION OR AGENCY NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION
 STREET GAME FARM ROAD
 CITY DELMAR
 STATE NEW YORK
 ZIP CODE 12206

FILE NAME NEW YORK STATE UNIVERSITY - RESULTS OF A SERIES OF
 METEOROLOGICAL OBSERVATIONS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK
 ABSTRACT METEOROLOGICAL OBSERVATIONS MADE AT 36 STATIONS IN
 NEW YORK ARE REPORTED IN 2 VOLUMES COVERING THE YEARS 1826 TO 1863. PARAMETERS
 REPORTED ARE TEMPERATURE, PRESSURE, WIND, CLOUDINESS, AND PRECIPITATION.
 NAME CHIEF, ATMOSPHERIC SCIENCES LIBRARY
 PHONE NUMBER 301 427 7600
 INSTITUTION OR AGENCY NOAA, ENVIRONMENTAL DATA SERVICE
 STREET 806C 13TH ST.
 CITY SILVER SPRING
 STATE MARYLAND
 ZIP CODE 20910

FILE NAME NITRATE CONTAMINATION OF THE WATER-TABLE AQUIFER IN
 DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, MOORES LAKE (KENT
 COUNTY) AND PORTER-WOODS ROADS (NEW CASTLE COUNTY)
 ABSTRACT DATA ON THE NITRATE CONCENTRATION AND SPECIFIC
 CONDUCTANCE OF GROUNDWATER IN TWO DIFFERENT GEOLOGICAL LOCALITIES,
 PORTER-WOODS ROADS AREA, NEW CASTLE COUNTY AND MOORES LAKE AREA, KENT COUNTY,
 COLLECTED FROM AUGUST, 1971 TO MAY, 1972 ARE PRESENTED IN REPORT FORM.
 PROBLEMS OF GROUNDWATER CONTAMINATION BY NITRATES, ESPECIALLY IN SUBURBAN
 AREAS, AND PREVENTIVE MEASURES ARE DISCUSSED.

NAME J.C. MILLER
 PHONE NUMBER 302 738 2565
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME NITROGEN FERTILIZATION OF TURF
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 AN INVESTIGATION CONDUCTED IN DELAWARE FROM 1960 TO 1961 ON THE RESPONSE OF
 ESTABLISHED LAWN TURF TO RATE AND TIME OF APPLICATION OF SEVERAL NITROGEN
 FERTILIZER MATERIALS AND MIXTURES AS MEASURED BY CLIPPING WEIGHTS AND TURF
 QUALITY.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME NOAA ENVIRONMENTAL BUOY DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC AND NORTH PACIFIC AND GULF OF MEXICO
 ABSTRACT A SERIES OF BUOYS ANCHORED IN THE GULF OF MEXICO,
 ALONG THE ATLANTIC COAST OF THE U.S. AND ALONG THE ALASKAN PACIFIC COAST. THEY
 ARE PART OF A NETWORK FOR THE NATIONAL WEATHER SERVICE. EACH BUOY IS
 INTERROGATED BY RADIO EVERY 3 HOURS FOR EACH OF ITS PARAMETERS WITH THE
 CAPABILITY OF INTERROGATION AT ANY TIME. METEOROLOGICAL DATA IS ARCHIVED AT
 THE NATIONAL CLIMATIC CENTER. ALL DATA FROM BUOYS WITH OCEANOGRAPHIC SENSORS
 GOES TO NOCC WITH COPIES OF MET DATA TO ASHEVILLE. PRINTOUTS ARE AVAILABLE IN
 ORIGINALS FORMAT OR IN A STANDARDIZED NOCC FORMAT. TO DATE EB01 IS AT
 27430N 73430W, EB02 AT 27430N, 88400W, EB03 AT 55454N, 147454W, EB10 AT
 27430N 88400W AND EB12 AT 26400N 54400W.

NAME OCEANOGRAPHIC SERVICES BRANCH, D761
 PHONE NUMBER 202 634 7500
 INSTITUTION OR AGENCY NATIONAL OCEANOGRAPHIC DATA CENTER
 STREET NOAA/EDS/NOCC
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20235

FILE NAME NCA-CONSUMPTIVE WATERFOWL MORTALITY SURVEY, III-4
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 EASTERN SHORE
 ABSTRACT FROM JAN 1972 UNTIL LATE MARCH 1972 AT
 APPROXIMATELY BIWEEKLY PERIODS A SERIES OF BRACKISH WATER SHORELINES WERE SURVEYED
 TO COUNT AND SPECIATE DEAD WATERFOWL WASHED ASHORE.

NAME VERNON STUTTS
 PHONE NUMBER 301-267-5195
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAKES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME NCN-CONSUMPTIVE WATERFOWL SURVEYS (LEAD POISONING)
 III-4(SUPPLEMENT-B)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, COASTAL OCEAN
 BAYS
 ABSTRACT DATA ON THE INCIDENCE OF LEAD LEVELS IN WATERFOWL
 SPECIES AND IN SHOAL WATER HABITATS IN MARYLAND, VIRGINIA AND NORTH CAROLINA
 IS PRESENTED IN REPORT FORM.
 NAME VERNON STOTTS
 PHONE NUMBER 301-267-5195
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAWES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME NCN-CONSUMPTIVE WATERFOWL SURVEYS (LEAD POISONING)
 III-4(SUPPLEMENT-A)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT BOTH AERIAL AND GROUND SURVEYS WERE USED TO
 ESTIMATE THE NUMBER OF WATERFOWL, INCLUDING THE NUMBER OF SICK OR DEAD
 INDIVIDUALS IN VARIOUS PONDS AND CREEKS OF QUEEN ANNE'S AND CECIL COUNTIES,
 MARYLAND, DURING AND AFTER A SEVERE OUT BREAK OF LEAD POISONING. IN THE
 SUMMARY REPORT THE FACTORS INVOLVED IN THE OUTBREAK OF LEAD POISONING ARE
 DISCUSSED.
 NAME VERNON STOTTS
 PHONE NUMBER 301-267-5195
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAWES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME NORTH CAROLINA BARRIER ISLAND STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA,
 BARRIER ISLANDS
 ABSTRACT MISSION W107, FLIGHT 01, WAS ACCOMPLISHED ON
 FEBRUARY 4, 1972, UTILIZING THE HALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED
 WITH ONE T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE GEOLOGICAL
 DEPARTMENT OF THE UNIVERSITY OF VIRGINIA FOR THE U.S. PARK SERVICE. THE
 OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL IMAGERY OF THE NORTH CAROLINA
 BARRIER ISLANDS FOR A CONTINUING STUDY OF LITTORAL CHANGES CAUSED BY TIDAL AND
 STORM ACTION OVER AN EXTENDED PERIOD OF TIME.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY HALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME NORTH CAROLINA WETLANDS, THEIR DISTRIBUTION AND
 MANAGEMENT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT A LARGE SCALE SURVEY OF WETLANDS IN COASTAL NORTH
 CAROLINA WAS CONDUCTED BETWEEN 1957 AND 1959. PRINCIPAL STUDY OBJECTIVES WERE
 TO LOCATE, CLASSIFY, AND MAP WETLAND AREAS, AND TO EVALUATE THEIR DEVELOPMENT
 POTENTIAL FOR WILDLIFE (ESPECIALLY WATERFOWL). THIS DATA BASE IS UTILIZED BY
 THE PERMIT SECTION OF THE N.C. DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
 WHEN PROJECTS INVOLVE WETLAND ALTERATIONS.
 NAME KENNETH A. WILSON
 PHONE NUMBER 919 829 7896
 INSTITUTION OR AGENCY NORTH CAROLINA WILDLIFE RESOURCES COMMISSION
 CITY RALEIGH
 STATE NORTH CAROLINA
 ZIP CODE 27611

FILE NAME NORTH SEA HARBOR SHELLFISH GROWING AREA 26
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG
 ISLAND, NORTH SEA HARBOR
 ABSTRACT SAMPLES WERE COLLECTED ON 15 STATIONS IN NORTH SEA
 HARBOR, SUFFOLK COUNTY, NEW YORK TO DETERMINE THE WATER QUALITY OF THE
 SHELLFISH PRODUCING WATERS IN THIS AREA. PARAMETERS MEASURED INCLUDE AIR AND
 WATER TEMPERATURE, SALINITY, DISSOLVED OXYGEN GAS, COUNT OF MICROBIOGTA (FECAL
 AND COLIFORM), AND TICAL PHASE.
 NAME BRUCE MACPILLIAN
 PHONE NUMBER 516 751 7900
 INSTITUTION OR AGENCY NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
 CONSERVATION
 STREET STONY BROOK CAMPUS BUILDING 40
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11792

FILE NAME NORTHPORT VILLAGE SEWAGE TREATMENT PLANT DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND, SUFFOLK COUNTY, NORTHPORT
 ABSTRACT 1 STATION AT A SEWAGE TREATMENT PLANT LOCATED AT
 NORTHPORT WAS SAMPLED FROM JANUARY 1970 TO THE PRESENT FOR TOTAL SOLIDS,
 PARTICULATE MATTER, BIOCHEMICAL OXYGEN DEMAND, DISSOLVED OXYGEN, WATER
 TRANSPORT, WATER TEMPERATURE, PH, TOTAL CHLORINE RESIDUAL, COLIFORMS,
 SUSPENDED SOLIDS (DRY WEIGHT), AND MIXED LIQUOR SUSPENDED SOLIDS.
 NAME GORDON J. WATT
 PHONE NUMBER 516 234 2622 X242
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL
 CONTROL, WATER POLLUTION CONTROL SECTION
 STREET 1324 PETER PARKWAY
 CITY HAUPPAUGE
 STATE NEW YORK
 ZIP CODE 11767

FILE NAME NOTES ON TETRAPHYLLIDEAN CESTODES FROM THE ATLANTIC
 COAST OF NORTH AMERICA WITH DESCRIPTIONS OF TWO NEW SPECIES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., ATLANTIC COASTAL WATERS FROM
 NEW JERSEY TO VIRGINIA, CHESAPEAKE BAY
 ABSTRACT RECENT COLLECTIONS OF ELASMOBRANCH CESTODES FROM
 THE ATLANTIC COAST AND CHESAPEAKE BAY DURING THE SUMMERS OF 1967 AND 1968
 RESULTED IN RHINEBOTHRIUM SPINICEPHALUM SP.N. AND R. LINTONI SP.N. BEING
 DESCRIBED FROM THE SOUTHERN STINGRAY, CASYATIS AMERICANA HIDEBRAND AND
 SCORPENER. PARAMETERS MEASURED INCLUDE: SPECIES DETERMINATION AND COUNT OF
 DEMERSAL FISH, SPECIES DETERMINATION AND COUNT OF PARASITES, LENGTH, AND
 MORPHOMETRIC MEASUREMENT OF PARASITES. THE DATA WERE COLLECTED BY DR. RONALD
 A. CAMPBELL, BIOLOGY DEPARTMENT, SOUTHEASTERN MASSACHUSETTS UNIVERSITY, NORTH
 DARTMOUTH, MASSACHUSETTS 02747, AND ARE AVAILABLE IN PUBLISHED FORM.
 NAME DR. RONALD A. CAMPBELL
 PHONE NUMBER 617 957 9321
 INSTITUTION OR AGENCY SOUTHEASTERN MASSACHUSETTS UNIVERSITY
 STREET OLD WESTPORT ROAD
 CITY NORTH DARTMOUTH
 STATE MASSACHUSETTS
 ZIP CODE 02747

FILE NAME NURSERY AREA SURVEY OF THE OUTER BANKS REGION,
 NORTH CAROLINA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT A STUDY IN THE OUTER BANKS REGION OF NORTH CAROLINA
 TO DETERMINE THE EXTENT OF NURSERY AREAS AND THEIR UTILIZATION BY ECONOMICALLY
 IMPORTANT SPECIES OF FISH AND CRUSTACEANS FROM JANUARY 1974 THROUGH
 DECEMBER 1974. SAMPLES COLLECTED WITH OTTER TRAWLS (THIRTEEN FOOT AND TWENTY
 FOOT HEADROPE LENGTH) OF ONE QUARTER INCH MESH, AND SEINES (TWENTY FEET AND
 SIXTY FEET) OF ONE QUARTER INCH MESH.
 NAME MAURY WELFF
 PHONE NUMBER 919 726 7021
 INSTITUTION OR AGENCY NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC
 RESOURCES
 STREET DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O.
 BOX 749
 CITY MCCREHEAD CITY
 STATE NORTH CAROLINA
 ZIP CODE 28557

FILE NAME NUTRIENT AND CHLOROPHYLL PROFILES, GULF OF MAINE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, GULF OF MAINE AND GEORGES BANK
 ABSTRACT THE ANALYSIS OF CHLOROPHYLLS AND NUTRIENTS FROM
 FIVE CRUISES IN THE GEORGES BANK-GULF OF MAINE AREA WAS DONE BY THE BIGELOW
 LABORATORY FOR OCEAN SCIENCES FOR THE NORTHEAST FISHERIES CENTER OF THE
 NATIONAL MARINE FISHERIES SERVICE TO SUPPLY ENVIRONMENTAL DATA FOR THE
 CENTER'S ATLANTIC HERRING PROGRAM. THE DATA RESIDES BOTH AT THE BIGELOW
 LABORATORY AND AT THE NORTHEAST FISHERY CENTER AT WCCES HOLE, MASSACHUSETTS.
 NAME MR. CHARLES YENTSCH
 PHONE NUMBER 207 633 5572
 INSTITUTION OR AGENCY BIGELOW LABORATORY FOR OCEAN SCIENCES
 CITY WEST BROOKEFIELD HARBOR
 STATE MAINE
 ZIP CODE 04975

FILE NAME NUTSEDGE (CYPERUS ESCULENTUS L.) CONTROL IN CORN
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 STUDIES CONDUCTED IN DELAWARE FROM 1970 TO 1972 ON HERBICIDAL CONTROL OF
 NUTSEDGE, CYPERUS ESCULENTUS, IN CORN FIELDS. EMPHASIZED ARE THE EFFECTS OF
 HERBICIDE TYPE, RATE, METHOD OF INCORPORATION AND DATE OF APPLICATION ON CORN
 INJURY AND YIELD, NUTSEDGE CONTROL, BROADLEAF CONTROL AND GRASS CONTROL.
 NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME O'REILLY PHYTOPLANKTON DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 NEW JERSEY, RARITAN BAY, LOWER AND UPPER BAY
 ABSTRACT 28 STATIONS IN RARITAN BAY, LOWER AND UPPER BAY
 WERE SAMPLED ONCE EVERY 3 WEEKS FROM FEB. 1971 TO THE PRESENT FOR COUNT AND
 SPECIES DETERMINATION. DIVERSITY INDEX, AND EQUITABILITY INDEX OF
 PHYTOPLANKTON.
 NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 201 872 0200
 INSTITUTION OR AGENCY MIDDLE ATLANTIC COASTAL FISHERIES CENTER,
 DEPARTMENT OF COMMERCE
 STREET SANDY HOOK MARINE LABORATORY
 CITY HIGHLANDS
 STATE NEW JERSEY
 ZIP CODE 07732

FILE NAME OCCURRENCE AND DISTRIBUTION OF LARVAL FISHES IN THE
 REHOBOTH AND INDIAN RIVER BAYS OF DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., REHOBOTH BAY,
 DELAWARE BAY, INDIAN RIVER
 ABSTRACT THE ABUNDANCE AND DISTRIBUTION OF LARVAL AND
 JUVENILE FISHES IN THE DELAWARE BAY AND TRIBUTARIES WAS STUDIED. DATA IS
 INCLUDED IN UNPUBLISHED M.S. THESIS AT THE UNIVERSITY OF DELAWARE.
 NAME LIBRARIAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY MORRIS LIBRARY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME OCCURRENCE AND DISTRIBUTION OF LARVAL FISHES IN THE
 REHOBOTH AND INDIAN RIVER BAYS OF DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE, REHOBOTH
 BAY, INDIAN RIVER BAY
 ABSTRACT MONTHLY SURFACE PLANKTON TOWS TAKEN AT 18 STATIONS
 IN THE REHOBOTH AND INDIAN RIVER BAYS, DELAWARE FROM JUNE, 1968 THROUGH MARCH,
 1970 RESULTED IN 890 LARVAE REPRESENTING 20 SPECIES. DEVELOPING STAGES
 COLLECTED AND REPORTED ON INCLUDE THE YOLK-SAC STAGE, THE LARVAL STAGE, AND
 THE PRE-JUVENILE STAGE.
 NAME INTERLIBRARY LOAN
 PHONE NUMBER 302 738 2236
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME OCEAN BEACH, FIRE ISLAND, SEWAGE TREATMENT PLANT
 DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND, SUFFOLK COUNTY, OCEAN BEACH
 ABSTRACT 1 STATION AT A SEWAGE TREATMENT PLANT LOCATED AT
 OCEAN BEACH WAS SAMPLED FROM JUNE 1969 TO THE PRESENT FOR WATER TRANSPORT,
 PARTICULATE MATTER, BIOCHEMICAL OXYGEN DEMAND, TOTAL CHLORINE RESIDUAL,
 TEMPERATURE, SUSPENDED SOLIDS (DRY WEIGHT), AND COLIFORMS.
 NAME GORDON J. WATT
 PHONE NUMBER 516 234 2622 X242
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL
 CONTROL, WATER POLLUTION CONTROL SECTION
 STREET 1324 MOTOR PARKWAY
 CITY HALFPALCE
 STATE NEW YORK
 ZIP CODE 11767

FILE NAME OCEAN DISPERSAL STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 DELAWARE
 ABSTRACT A STUDY WAS DESIGNED TO TEST METAL ASSOCIATION WITH
 FLOCCULANT DEPOSIT AND HUMAN ARTIFACTS TO DETERMINE LONG TERM SLUDGE
 DISTRIBUTION IN ORDER TO DEVELOPE A STUDY PLAN FOR FUTURE SURVEYS. THE STUDY
 ENCOMPASSED BOTH PHILADELPHIA AND CUPONT DISPERSAL SITES
 NAME STEVEN TOWNSEND
 PHONE NUMBER 215 686 3864
 INSTITUTION OR AGENCY CITY OF PHILADELPHIA WATER DEPARTMENT
 STREET MUNICIPAL SERVICES BUILDING 15TH AND JFK BLVD
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19107

FILE NAME OCEAN DISPOSAL OF WASTE MATERIAL - DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, DELAWARE BAY, COASTAL
 ABSTRACT THE INITIAL STUDY BY THE NORTHEAST MARINE HEALTH
 SCIENCES LABORATORY OF THE DELAWARE BAY OFFSHORE SEWAGE SLUDGE SITE WAS
 PLANNED TO AID IN DEFINING THE PROBLEM AND IN PLANNING OF FUTURE
 INVESTIGATIONS. THE INVESTIGATION FOCUSED UPON SHELLFISH GROWING AND WATER
 QUALITY. SHELLFISH GROWING CRITERIA IS BASED UPON BACTERIOLOGICAL QUALITY OF
 THE WATERS. THEREFORE THE STUDY WAS DIRECTED AT DETERMINING THE EXTENT OF
 BACTERIAL POLLUTION IN THE AREA OF THE SEWAGE SLUDGE SITE AT 24 STATIONS.
 TOTAL COLIFORM AND FECAL COLIFORMS WERE DETERMINED IN THE WATER AND IN CLAMS.
 HEAVY METALS, SUCH AS COPPER, CADMIUM, COBALT, CHROMIUM, NICKEL, LEAD,
 MANGANESE, ZINC AND IRON WERE ALSO DETERMINED IN CLAMS.
 NAME GEORGE C. MEYER
 PHONE NUMBER 212 565 5051
 INSTITUTION OR AGENCY DEPARTMENT OF HEALTH, EDUCATION AND WELFARE, FDA
 REGION 2
 STREET 850 THIRD AVENUE
 CITY BROOKLYN
 STATE NEW YORK
 ZIP CODE 11232

FILE NAME OCEAN DISPOSAL OF WASTE MATERIAL - NEW YORK BIGHT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. BIGHT, COASTAL
 ABSTRACT THE INITIAL STUDY BY THE NORTHEAST MARINE HEALTH
 SCIENCES LABORATORY OF THE NEW YORK BIGHT SEWAGE SLUDGE DUMP AREAS WAS PLANNED
 TO AID IN DEFINING THE PROBLEM AND IN PLANNING OF FUTURE INVESTIGATIONS. THE
 MAIN PART OF THE INVESTIGATION WAS DIRECTED TOWARD SHELLFISH GROWING AND WATER
 PROTECTION. SHELLFISH GROWING CRITERIA IS BASED UPON BACTERIOLOGICAL QUALITY
 OF THE WATERS. THEREFORE THE STUDY WAS DIRECTED AT DETERMINING THE EXTENT OF
 BACTERIAL POLLUTION IN THE AREA OF THE SEWAGE SLUDGE DUMP SITE AT 29 STATIONS.
 TOTAL COLIFORMS AND FECAL COLIFORMS WERE DETERMINED IN THE WATER AND IN CLAMS.
 HEAVY METALS, SUCH AS COPPER, ZINC, COBALT, CHROMIUM, IRON, MANGANESE, NICKEL
 AND LEAD WERE ALSO DETERMINED IN WATER AND IN CLAMS.
 NAME GEORGE C. MEYER
 PHONE NUMBER 212 565 5051
 INSTITUTION OR AGENCY DEPARTMENT OF HEALTH, EDUCATION AND WELFARE, FDA
 REGION 2
 STREET 850 THIRD AVENUE
 CITY BROOKLYN
 STATE NEW YORK
 ZIP CODE 11232

FILE NAME OCEAN DISPOSAL SITE OFF THE COAST OF MARYLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN
 ABSTRACT THE ENVIRONMENTAL PROTECTION AGENCY, ENVIRONMENTAL
 RESEARCH LABORATORY, HAS BEEN COLLECTING DATA SINCE MARCH 1974 FROM TWO OCEAN
 DISPOSAL SITES APPROXIMATELY 60 MILES OFF THE COAST OF MARYLAND. THE
 PARAMETERS INCLUDED IN THIS STUDY ARE: ALUMINUM, CADMIUM, CHROMIUM, COBALT,
 COPPER, IRON, LEAD, MANGANESE, NICKEL, SILVER, TITANIUM, VANADIUM AND ZINC IN
 BOTH THE SEDIMENT AND ORGANISMS. MEASUREMENTS OF METALS IN CLAMS AND SCALLOPS
 ARE SEPARATED BY MUSCLE AND CREANS. OTHER PARAMETERS INCLUDED ARE: SPECIES
 DETERMINATION OF BENTHIC ANIMALS, WEIGHT OF BENTHIC ANIMALS AND LENGTH OF
 BENTHIC ANIMALS. CONTACT DR. D.K. PHELPS, SCIENTIFIC AND TECHNICAL DIRECTOR,
 EPA ENVIRONMENTAL RESEARCH LABORATORY, SOUTH FERRY ROAD, NARRAGANSETT, RHODE
 ISLAND 02882.
 NAME DR. D.K. PHELPS
 PHONE NUMBER 401 785 1071
 INSTITUTION OR AGENCY ENVIRONMENTAL PROTECTION AGENCY - REGION 1
 ENVIRONMENTAL RESEARCH LABORATORY
 STREET SOUTH FERRY ROAD
 CITY NARRAGANSETT
 STATE RHODE ISLAND
 ZIP CODE 02882

FILE NAME OCEAN HARBOR ESTATES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 LONG ISLAND, SUFFOLK COUNTY, OCEAN HARBOR ESTATES
 ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
 OF OCEAN HARBOR ESTATES MARSH LANDS WERE CONDUCTED AT 61 STATIONS FROM MAY
 1972 TO DECEMBER 1972.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 METCAL PARKWAY
 CITY HALFPALME
 STATE NEW YORK
 ZIP CODE 11767

FILE NAME OCEAN HARBOR ESTATES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 LONG ISLAND, SUFFOLK COUNTY, OCEAN HARBOR ESTATES
 ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
 OF OCEAN HARBOR ESTATES MARSH LANDS WERE CONDUCTED AT 15 STATIONS FROM MAY
 1973 TO DECEMBER 1973.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 METCAL PARKWAY
 CITY HALFPALME
 STATE NEW YORK
 ZIP CODE 11767

FILE NAME OCEAN WAVE CLIMATOLOGY - SHIPBOARD OBSERVATIONS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NORTH
 CAROLINA, NEW JERSEY, NAGS HEAD, ASHEVILLE, ATLANTIC CITY
 ABSTRACT SHIPBOARD MEASUREMENTS OF WAVE HEIGHT AND PERIOD AT
 ASHEVILLE, N.C. ARE COMPARED WITH SIGNIFICANT WAVE HEIGHT AND PERIOD MEASURED
 WITH WAVE GAGES AT NAGS HEAD, N.C. AND ATLANTIC CITY N.J.. WAVE DIRECTION IS
 ALSO GIVEN.
 NAME DR. D.L. FARRIS / OCEANOGRAPHY BRANCH
 PHONE NUMBER 202 325 7397
 INSTITUTION OR AGENCY DEPARTMENT OF THE ARMY, COASTAL ENGINEERING RESEARCH
 CENTER
 STREET KINGMAN BUILDING
 CITY FORT BELVOIR
 STATE VIRGINIA
 ZIP CODE 22060

FILE NAME OCEAN WAVE CLIMATOLOGY - SIGNIFICANT WAVE HEIGHTS
 AND PERIODS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S.,
 COASTAL
 ABSTRACT SIGNIFICANT WAVE HEIGHT AND PERIOD DATA FROM PEN
 AND INK RECORDS HAVE BEEN DIGITIZED ON PUNCHED CARDS. THE DATA COVERS
 OBSERVATIONS FROM 43 STATIONS. SAMPLED DAILY.
 NAME MR. E. THOMPSON / OCEANOGRAPHY BRANCH
 PHONE NUMBER 202 325 7395
 INSTITUTION OR AGENCY DEPARTMENT OF THE ARMY, COASTAL ENGINEERING RESEARCH
 CENTER
 STREET KINGMAN BUILDING
 CITY FORT BELVOIR
 STATE VIRGINIA
 ZIP CODE 22060

FILE NAME OCEAN WAVE DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, NORTH PACIFIC, U.S., COASTAL,
 VIRGINIA, NEW JERSEY, NORTH CAROLINA, GEORGIA, CALIFORNIA
 ABSTRACT FILE CONTAINS RECORDS OF WAVE HEIGHTS FROM ATLANTIC
 CITY, NEW JERSEY; VIRGINIA BEACH VIRGINIA; NAGS HEAD, NORTH CAROLINA; DAYTONA
 BEACH, FLORIDA; LAKE WORTH FLORIDA; NAPLES FLORIDA; WRIGHTSVILLE BEACH NORTH
 CAROLINA; CHESAPEAKE BAY BRIDGE-TUNNEL VIRGINIA; GOLDEN BEACH NORTH CAROLINA;
 SAVANNA LIGHT GEORGIA; DESTIN FLORIDA; POINT MUGU, HUNTINGTON BEACH
 CALIFORNIA. DATA IS RECEIVED FROM AUTOMATED WAVE GAGES. DATA IS BASIC WAVE
 DATA FOR ESTABLISHING WAVE CLIMATOLOGY AND FOR SPECIAL RESEARCH PROJECTS.
 APPLICATIONS PROGRAMS HAVE BEEN WRITTEN BY THE C.E.R.C. ADP STAFF FOR THE
 FOLLOWING FUNCTIONS: COMPUTES SPECTRA AND CROSS-SPECTRA OF TIME SERIES USING A
 FAST FOURIER TRANSFORM. SELECTS, EDITS, AND VERIFYS DATA RECORDS FOR FURTHER
 PROCESSING. COMPUTES DISTRIBUTION FUNCTION OF DATA POINTS AND SELECTED
 MOMENTS. COMPUTES SELECTED PARAMETERS OF ENERGY SPECTRUM. COMPUTES NORMALIZED
 ENERGY BAND SPECTRUM, ENERGY LINE SPECTRUM. SELECTS, SORTS, AND BLOCKS DATA
 BY LOCATION AND TIME, COMPUTES MEAN AND STANDARD DEVIATION OF EACH BLOCK OF
 DATA. COMPARES TWO SETS OF WAVE HEIGHTS AND PERIODS, FOR DATA OBTAINED FROM
 DIFFERING ANALYSIS METHODS FROM THE SAME GAGE, OR FROM TWO DIFFERENT
 LOCATIONS. COMPUTES JOINT DISTRIBUTION TABLES OF HEIGHTS, PERIOD AND
 HEIGHT-RATIO AND HEIGHT, PERIOD AND HEIGHT-RATIO STATISTICS. COMPUTES JOINT
 DISTRIBUTION TABLES OF WAVE HEIGHT VS PERIOD, HEIGHT VS. DEPTH, HEIGHT VS.
 TIME OF DAY, AND RATIO OF WAVE HEIGHT AT SURFACE TO DEPTH WITH PEAK PERIOD.
 COMPUTES SPECTRA AND SUMMARIZES BY BANDS. COMPUTES JOINT DISTRIBUTION OF WAVE
 HEIGHTS VS. PERIODS. LISTS DAILY SPECTRA AT SYNOPTIC TIMES. COMPUTES JOINT
 DISTRIBUTION TABLES OF HEIGHT AND PERIOD, COMPUTES SEASONAL AND ANNUAL
 SUMMARIES. PLOTS WAVE HEIGHT DISTRIBUTION CURVE ON SEMILOG. COMPUTES HEIGHTS
 AND PERIODS OF EACH WAVE. RANKS HEIGHTS AND COMPUTES CUMULATIVE FREQUENCY
 DISTRIBUTION. SCALES HEIGHTS AND PLOTS ON FAYLEIGH PAPER. COMPUTES TIME SERIES
 CORRESPONDING TO THEORETICAL FOURIER SPECTRA.

NAME DR. D.L. HARRIS / OCEANOGRAPHY BRANCH
 PHONE NUMBER 202 325 7357
 INSTITUTION OR AGENCY DEPARTMENT OF THE ARMY, COASTAL ENGINEERING RESEARCH
 CENTER
 STREET KINGMAN BUILDING
 CITY FORT BELVOIR
 STATE VIRGINIA
 ZIP CODE 22060

FILE NAME OCEANOGRAPHIC DATA COLLECTED IN THE CHESAPEAKE
 BIGHT OF THE VIRGINIAN SEA FROM 1966 THROUGH 1969
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY
 BIGHT, VIRGINIA
 ABSTRACT SURVEY OF HYDROGRAPHIC PARAMETERS ON THE
 CONTINENTAL SHELF OFF THE COAST OF VA TO THE ENTRANCE TO CHESAPEAKE BAY.
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME OFFSHORE DISTRIBUTION OF NITROGEN AND PHOSPHORUS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CROGEN INLET, NORTH
 CAROLINA TO CAPE CHARLES, VIRGINIA CONTINENTAL SHELF
 ABSTRACT SALINITY, NITROGEN AND PHOSPHORUS WERE MEASURED AT
 83 STATIONS ON THE VIRGINIA CONTINENTAL SHELF AT THE SURFACE, MID-DEPTH AND
 BOTTOM. DATA IS INCLUDED IN VIMS PASTER FILE
 NAME WILLIAM MACINTYRE
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME OFFSHORE SITING PROGRAM
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NEW YORK, N.Y. BIGHT
 ABSTRACT THE OBJECTIVE OF THE WORK IS TO HELP DETERMINE WHETHER THE OFFSHORE SITING OF POWER PLANTS IN THE NEW YORK BIGHT IS ENVIRONMENTALLY DESIRABLE. THE FIELD SAMPLING AND DATA COLLECTION PROGRAM WILL PROVIDE BASELINE DATA ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL CHARACTERISTICS OF AN EGG SQUARE MILE AREA IN THE BIGHT. THE STUDY AREA IS 15 MILES OFF THE SOUTH SHORE OF LONG ISLAND FROM EAST ROCKAWAY TO MERRICHES INLET. THE SAMPLING AND DATA COLLECTION PROGRAM WAS CONDUCTED FROM OCTOBER 1, 1973 TO SEPTEMBER 31, 1974. THE PARAMETERS DETERMINED WERE TEMPERATURE, SALINITY, CURRENT SPEED AND DIRECTION, DISSOLVED OXYGEN, PH AND LIGHT EXTINCTION. IN ADDITION, SEDIMENT TYPE, SIZE ANALYSIS OF SEDIMENT, REACTIVE NITRITE, REACTIVE NITRATE, AMMONIA, SPECIES DETERMINATION OF ZOOPLANKTON, BENTHIC ANIMALS AND MICROBIOTA, AND BIOMASS OF BENTHIC PLANTS AND ANIMALS WERE DETERMINED. COUNTS OF PHYTOPLANKTON, ZOOPLANKTON, MICROBIOTA AND BENTHIC ANIMALS WERE ALSO DONE.

NAME DR. WILLIAM PRELL
 PHONE NUMBER 212 669 5070
 INSTITUTION OR AGENCY NEW YORK STATE ATOMIC AND SPACE DEVELOPMENT AUTHORITY
 STREET 230 PARK AVENUE
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10017

FILE NAME OFFSHORE STUDIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT, MARYLAND
 ABSTRACT SINCE MAY, 1966, COUNT AND SPECIES DETERMINATION OF MICROBIOTA IN SEDIMENT AND WATER HAVE BEEN DETERMINED IN OFFSHORE DUMPSITES OFF MARYLAND. HEAVY METALS, SUCH AS CADMIUM, CHROMIUM, COBALT, LEAD, AND ZINC IN SEDIMENT AND IN BIO MATERIAL HAVE BEEN MEASURED IN THE NEW YORK BIGHT TO DETERMINE THE NORMAL BACKGROUND LEVELS OF HEAVY METALS. SALINITY AND TEMPERATURE AT ALL STATIONS ARE TAKEN AT THE SURFACE, MID-DEPTH, AND BOTTOM THREE TIMES A YEAR.

NAME JAMES VERBER
 PHONE NUMBER 401 267 2307
 INSTITUTION OR AGENCY PUBLIC HEALTH SERVICE, NORTHEAST TECHNICAL SERVICES UNIT, CEC/FCA
 STREET BUILDING S-26
 CITY DAVISVILLE
 STATE RHODE ISLAND
 ZIP CODE 02854

FILE NAME OFFSHORE STUDIES OF ANADROMOUS FISH
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA TO VIRGINIA
 ABSTRACT A SURVEY TO INVESTIGATE THE OCCURRENCE OF BACK RUNNING AND YOUNG-OF-THE-YEAR ANADROMOUS FISHES IN THE ATLANTIC OCEAN FROM CAPE LOOKOUT, NORTH CAROLINA TO CAPE HENRY, VIRGINIA. ALSO CERTAIN BIOLOGICAL CHARACTERISTICS, DISTRIBUTION, AND FOREIGN FISHERY EFFECTS ON ANADROMOUS FISHES ARE SURVEYED ALONG WITH TAGGING STUDIES OFFSHORE TO DETERMINE MIGRATION AND COMPARATIVE UTILIZATION OF THE HIGH SEAS FOREIGN FISHERY AND INSHORE DOMESTIC FISHERY.

NAME EDWARD G. MCCOY
 PHONE NUMBER 919 726 7021
 INSTITUTION OR AGENCY NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
 STREET DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O.
 BOX 769
 CITY MOREHEAD CITY
 STATE NORTH CAROLINA
 ZIP CODE 28557

FILE NAME OFFSHORE STUDIES OF ANADROMOUS FISH OFF NORTH CAROLINA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT A STUDY IN 1974 TO DETERMINE WHEN BACK RUNNING AND YOUNG-OF-THE-YEAR ANADROMOUS FISH LEAVE THE ALBEMARLE SOUND AREA OF NORTH CAROLINA AND ENTER THE ATLANTIC OCEAN. ALSO BIOLOGICAL CHARACTERISTICS, SUCH AS SPECIES, SEX, YEAR-CLASS COMPOSITION, LENGTH AND WEIGHT ARE DETERMINED. FISHING ACTIVITIES OF FOREIGN VESSELS OFF NORTH CAROLINA HAVE BEEN MONITORED. TAGGING STUDIES OF OFFSHORE ANADROMOUS FISH WERE ALSO CONDUCTED.

NAME EDWARD G. MCCOY
 PHONE NUMBER 919 726 7021
 INSTITUTION OR AGENCY NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
 STREET DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O.
 BOX 769
 CITY MOREHEAD CITY
 STATE NORTH CAROLINA
 ZIP CODE 28557

FILE NAME OIL DISPERSION STUDY I
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION 263, FLIGHT 01 WAS ACCOMPLISHED ON 4
 FEBRUARY, 1974. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY OIL DISPERSION
 PATTERNS AND SPILL THICKNESS USING AERIAL PHOTOGRAPHY.
 NAME G. CREW
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL DISPERSION STUDY II
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W263, FLIGHT 02 WAS ACCOMPLISHED ON 5
 FEBRUARY 1974. THE OBJECTIVE OF THE FLIGHT WAS TO ACT AS A FOLLOW UP TO
 MISSION W263, FLIGHT 01'S OIL SPILL PHOTOGRAPHS.
 NAME J. FELLINGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SLICK DISPERSION STUDY-VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, VIRGINIA
 BEACH
 ABSTRACT MISSION W035, FLIGHT01, WAS ACCOMPLISHED ON
 DECEMBER 4, 1970, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED
 WITH THREE T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA
 INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY THE
 DISPERSION OF A CONTROLLED OIL SLICK TWENTY-FOUR HOURS AFTER THE SPILL TOOK
 PLACE USING COLOR AND BLACK AND WHITE AERIAL FILM.
 NAME MICHAEL CENGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SLICK DISPERSION STUDY-VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, VIRGINIA
 BEACH
 ABSTRACT MISSION W034, FLIGHT01, WAS ACCOMPLISHED ON
 DECEMBER 3, 1970, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED
 WITH THREE T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH THE VIRGINIA
 INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY THE USE
 OF REMOTE SENSING TECHNIQUES IN TRACING THE DISPERSION OF OIL SLICKS.
 NAME MICHAEL CENGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL DETECTION STUDY-VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE
 BAY LIGHT TOWER
 ABSTRACT MISSION W129, FLIGHT 02, WAS ACCOMPLISHED ON MAY
 17, 1972, UTILIZING THE WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 AN AAC-2 THERMAL INFRARED SCANNER IN COOPERATION WITH THE VIRGINIA INSTITUTE
 OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO ASSESS THE CAPABILITIES
 OF A THERMAL INFRARED SCANNER TO DETECT OIL SPILLS.
 NAME MICHAEL CENGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL DISPERSION STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA
 ABSTRACT MISSION W159, FLIGHT 1, MARCH 28, 1973, UTILIZING
 THE WOLLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING
 CAMERAS AND A MICROWAVE RADIOMETER IN COOPERATION WITH THE NAVAL RESEARCH
 LABORATORY. THE OBJECTIVE OF THE FLIGHT WAS TO CORRELATE OIL SLICK DATA
 ACQUIRED FROM THE MICROWAVE RADIOMETER WITH IMAGERY TAKEN WITH AERIAL CAMERAS
 CONTAINING COLOR AND FALSE COLOR INFRARED FILM. CLEAR WEATHER VISIBILITY UP TO
 5 MILES. AIR TEMPERATURE WAS 7 DEG. C AT 1500 FT. MSL, WIND OF 20 KNOTS FROM
 045 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL DISPERSION STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA
 ABSTRACT MISSION W199, FLIGHT 2, MARCH 29, 1973, UTILIZING
 THE WOLLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING
 CAMERAS AND A MICROWAVE RADIOMETER IN COOPERATION WITH THE NAVAL RESEARCH
 LABORATORY. THE OBJECTIVE OF THE FLIGHT WAS TO CONTINUE THE CORRELATION
 STARTED ON THE PREVIOUS DAY OF OIL SLICK DATA TAKEN BY THE MICROWAVE
 RADIOMETER WITH THAT RECORDED ON COLOR AND FALSE COLOR INFRARED AERIAL FILM.
 GOOD WEATHER, VISIBILITY UP TO 5 MILES. AIR TEMPERATURE WAS 13 DEG. C AT 1500
 FT. MSL, WIND OF 12 KNOTS FROM 20 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL DISPERSION STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT MISSION W013, FLIGHT01, WAS ACCOMPLISHED ON JUNE
 12, 1970, UTILIZING THE WOLLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 4 T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE AT A LOCATION NEAR THE CHESAPEAKE LIGHT TOWER. THE OBJECTIVE OF
 THE FLIGHT WAS TO USE REMOTE SENSED IMAGERY TO INVESTIGATE THE SURFACE OIL
 FILM THICKNESS AND DISPERSION FEATURES INFLUENCED BY WINDS AND CURRENTS.
 NAME M. CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 STREET CHESAPEAKE BAY ECOLOGICAL OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL DISPERSION STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA CHESAPEAKE
 BAY LIGHT
 ABSTRACT MISSION W075, FLIGHT05, WAS ACCOMPLISHED ON
 SEPTEMBER 2, 1971, UTILIZING THE WOLLOPS FLIGHT CENTER LEASED C-54 AIRCRAFT
 EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE VIRGINIA
 INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO IMAGE AN OIL
 SPILL IN THE ATLANTIC OCEAN OFF THE CHESAPEAKE LIGHT TOWER.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL DISPERSION STUDY I VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W091, FLIGHT02, WAS ACCOMPLISHED ON OCTOBER
 14, 1971, UTILIZING A WOLLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11
 AERIAL MAPPING CAMERA IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE
 SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO RECORD THE DISPERSION OF A
 CONTROLLED OIL SPILL TWENTY-FOUR HOURS AFTER THE SPILL OCCURRED.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL DISPERSION STUDY II VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W091, FLIGHT01, WAS ACCOMPLISHED ON OCTOBER
 13, 1971, UTILIZING A WILCOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11
 AERIAL MAPPING CAMERA IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE
 SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY THE DISPERSION OF A
 CONTROLLED OIL SPILL OFF THE CHESAPEAKE LIGHT AT THE ENTRANCE TO THE
 CHESAPEAKE BAY.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILCOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE
 BAY
 ABSTRACT MISSION W255, FLIGHT 01 WAS ACCOMPLISHED ON 16
 OCTOBER, 1973. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN PHOTOGRAPHIC IMAGERY
 OF AN OIL SPILL FOR USE IN LOCATING THE POSITION OF THE AIRCRAFT IN RESPECT TO
 THE DATA TAKEN FROM THE MICROWAVE RADIOMETER.

NAME J. FOLLINGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILCOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE
 LIGHT TOWER
 ABSTRACT MISSION W075, FLIGHT06, WAS ACCOMPLISHED ON AUGUST
 3, 1971, EQUIPPED WITH AN AAC-2 THERMAL INFRARED SCANNER IN COOPERATION WITH
 THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO
 DETECT AN OIL SPILL OFF THE CHESAPEAKE LIGHT TOWER IN THE ATLANTIC OCEAN.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILCOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE
 BAY LIGHT
 ABSTRACT MISSION W077, FLIGHT01, WAS ACCOMPLISHED ON AUGUST
 3, 1971, UTILIZING A WILCOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO DOCUMENT THE SPREAD OF A
 MAN MADE OIL SPILL ON BLACK AND WHITE, COLOR, AND FALSE COLOR INFRARED FILM AT
 ONE HOUR INTERVALS FROM 0500 TO 1500 DURING THE DAY.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILCOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL STUDY - VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W030, FLIGHT01, WAS ACCOMPLISHED ON
 NOVEMBER 6, 1970, UTILIZING A WILCOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED
 WITH THREE T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA
 INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO MONITOR THE
 SPREAD OF A MAN-MADE OIL SPILL USING BLACK/WHITE AND FALSE COLOR INFRARED
 AERIAL PHOTOGRAPHY.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILCOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL, NAVAL RESEARCH LABORATORY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY
 ABSTRACT MISSION W217, FLI. 1, MAY 8, 1973, WITH WILCOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND NAVAL RES.
 LAB MICROWAVE RADIOMETER. OBJECTIVE - TO DETERMINE REMOTE SENSING CAPABILITY
 OF THE MIC- WAVE RADIOMETER FOR USE IN DETECTING AND LOCATING OIL SPILLS.
 WEATHER - MODERATELY FAZY WITH THIN OVERCAST, AIR TEMP. 18 DEG. C AT 1500 FT.,
 MSL WITH A WIND OF 7 KNOTS FROM 147 DEG.

NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILCOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME OIL SPILL, NAVAL RESEARCH LABORATORY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY
 ABSTRACT MISSION W217, FLI. 2, MAY 9, 1973, WITH HALLOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA IN COOPERATION
 WITH NAVAL RES. LAB. OBJECTIVE - TO OBTAIN IMAGERY OF ANY REMAINS OF AN OIL
 SPILL THAT HAD TAKEN PLACE THE PREVIOUS DAY. WEATHER - MEDIUM OVERCAST,
 VISIBILITY UP TO 5 MILES, AIR TEMP. 18 DEG. C AT 1500 FT., MSL WITH A WIND OF
 15 KNOTS FROM 180 DEG.

NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY HALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME ON THE BIOLOGY OF THE SAND SHRIMP, CRANGON
 SEPTENSPINOSA, IN THE DELAWARE BAY AREA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, COASTAL
 ABSTRACT BETWEEN OCTOBER 1958 AND DECEMBER 1960 2500
 SPECIMENS OF THE SAND SHRIMP, CRANGON SEPTENSPINOSA (SAY), WERE COLLECTED FROM
 SHALLOW WATERS ALONG THE SHORES OF THE DELAWARE BAY AREA. THE BIOLOGY OF THIS
 SHRIMP HAS BEEN STUDIED WITH REGARD TO GROWTH, REPRODUCTION AND FOOD. C.
 SEPTENSPINOSA WAS COLLECTED FROM WATER IN WHICH THE SALINITY RANGED FROM 4.4
 TO 31.4 PPT AND IN WHICH THE TEMPERATURE EXTREMES WERE 0.0 AND 26.0 DEGREES.
 THE GROWTH RATE OF C. SEPTENSPINOSA WAS FOUND TO BE ABOUT 1.6 MM PER MONTH AND
 NO SEASONAL VARIATION IN THIS RATE WAS OBSERVED. A SIZE DIFFERENCE IS APPARENT
 BETWEEN MALES AND FEMALES. THE LONGEST FEMALE MEASURED WAS 70 MM AS COMPARED
 TO 47 MM FOR THE LONGEST MALE. THE MAJOR BREEDING SEASON FOR C. SEPTENSPINOSA
 WAS FROM MARCH TO OCTOBER, WITH OVIGEROUS FEMALES APPEARING THE YEAR ROUND
 EXCEPT FOR DECEMBER.

NAME LIBRARIAN
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE MARINE STATION LIBRARY
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME OPERATION AND MAINTENANCE OF CHANNELS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK STATE, NEW
 YORK CITY, N.Y. BIGHT
 ABSTRACT THE ARMY CORP OF ENGINEERS HAS HAD A PROGRAM FOR
 THE OPERATION AND MAINTENANCE OF CHANNELS SINCE 1870. DEPTH MEASUREMENTS ARE
 DETERMINED THROUGHOUT THE PROJECT AREA. THE AREA OF CONCERN EXTENDS FROM WEST
 POINT ON THE HUDSON RIVER TO SANDY HOOK AND EAST ROCKAWAY, INCLUDING NEW YORK
 HARBOR, RARITAN RIVER AND RARITAN BAY.

NAME MF. WRIGHT
 PHONE NUMBER 212 264 0181
 INSTITUTION OR AGENCY ARMY CORP OF ENGINEERS
 STREET 26 FEDERAL PLAZA
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10007

FILE NAME ORGANIC AND HEAVY METAL GEOCHEMISTRY IN THE NEW
 YORK BIGHT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., ATLANTIC OCEAN, NEW YORK
 BIGHT, EAST ROCKAWAY INLET, JONES INLET, FIRE ISLAND INLET NEW YORK
 ABSTRACT THE PURPOSE OF THIS NOAA - FUNDED RESEARCH IS TO
 DELINEATE DIFFERENCES IN ORGANIC AND HEAVY METAL GEOCHEMISTRY OF NEAR SHORE
 MUD PATCHES RELATIVE TO OFF-SHORE DISPOSAL AREAS AND OTHER SOURCES WITHIN THE
 NEW YORK BIGHT AS A SIGNATURE FOR THE MOVEMENT OF SLUDGE THROUGH THE BIGHT.
 120 TOTAL SAMPLES WERE TAKEN FOR 3 CONSECUTIVE DAYS IN 3/76, 5 DAYS IN 4/76
 AND 3 DAYS IN 6/76.

NAME DR. WILLIAM HARRIS
 PHONE NUMBER 212 780 5417
 INSTITUTION OR AGENCY BROOKLYN COLLEGE - GEOLOGY DEPARTMENT
 STREET INGERSOLL HALL ROOM 3131
 CITY BROOKLYN
 STATE NEW YORK
 ZIP CODE 11210

FILE NAME ORGANOCHLORINE INSECTICIDE RESIDUES IN SOILS AND
SOIL INVERTEBRATES FROM AGRICULTURAL LANDS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., ALABAMA, ARKANSAS, MISSOURI,
ILLINOIS, KANSAS, LOUISIANA, MARYLAND, AND MISSISSIPPI
ABSTRACT SOILS AND EARTHWORMS AND OTHER SOIL INVERTEBRATES
WERE COLLECTED FROM 67 AGRICULTURAL FIELDS IN 8 STATES FROM MARCH TO OCTOBER
1967. SAMPLES WERE ANALYZED BY GAS CHROMATOGRAPHY FOR DDE, DDD, DDT, ALDRIN,
DIELDRIN, ENDRIN, HEPTACHLOR EPOXIDE, AND GAMMA-CHLORDANE INSECTICIDES.

NAME CHARLES D. GISH
PHONE NUMBER 301 776 4880
INSTITUTION OR AGENCY U.S. BUREAU OF SPORT FISHERIES AND WILDLIFE
STREET PATUXENT WILDLIFE RESEARCH CENTER
CITY LAUREL
STATE MARYLAND
ZIP CODE 20810

FILE NAME ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED
BIPHENYLS IN BLACK DUCK EGGS FROM THE UNITED STATES AND CANADA-1971
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S. AND CANADA, MAINE,
NEW HAMPSHIRE, VERMONT, MASSACHUSETTS, CONNECTICUT, NEW YORK, NEW JERSEY,
DELAWARE, MARYLAND, NOVA SCOTIA, NEW BRUNSWICK, QUEBEC, AND ONTARIO
ABSTRACT BLACK DUCK (ANAS RUBRIPIS) EGGS WERE COLLECTED IN
1971 FROM THE NORTHEASTERN UNITED STATES AND CANADA. TWO EGGS WERE COLLECTED
FROM EACH OF 61 NESTS. ONE EGG FROM EACH CLUTCH WAS RANDOMLY CHOSEN FOR
CHEMICAL ANALYSIS OF DDC, DDE, DDT, DIELDRIN, HEPTACHLOR EPOXIDE AND PCB
CONTENT.

NAME JERRY R. LONGCORE
PHONE NUMBER 301 776 4880
INSTITUTION OR AGENCY U.S. BUREAU OF SPORT FISHERIES AND WILDLIFE
STREET PATUXENT WILDLIFE RESEARCH CENTER
CITY LAUREL
STATE MARYLAND
ZIP CODE 20810

FILE NAME ORGANOCHLORINE RESIDUES IN WOODCOCK WINGS, 11
STATES 1970-71
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., LOUISIANA, MAINE, MICHIGAN,
NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, WISCONSIN, NORTH AND SOUTH
CAROLINA AND GEORGIA
ABSTRACT A SURVEY OF ORGANOCHLORINE RESIDUES IN WOODCOCK
WINGS WAS UNDERTAKEN TO DETERMINE WHETHER THESE WINGS ARE SUITABLE FOR SHOWING
REGIONAL DIFFERENCES IN RESIDUES AND TO OBTAIN A BASELINE IN 1970-71 FOR LATER
COMPARISONS. WOODCOCK WINGS WERE OBTAINED FROM THE ANNUAL HUNTER'S WING
SURVEY. SAMPLES CAME FROM EIGHT STATES (LOUISIANA, MAINE, MICHIGAN, NEW
HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, AND WISCONSIN) AND ONE
TRI-STATE AREA (NORTH AND SOUTH CAROLINA, AND GEORGIA)

NAME M.A.R. MCLANE
PHONE NUMBER 301 776 4880
INSTITUTION OR AGENCY U.S. BUREAU OF SPORT FISHERIES AND WILDLIFE
STREET PATUXENT WILDLIFE RESEARCH CENTER
CITY LAUREL
STATE MARYLAND
ZIP CODE 20810

FILE NAME ORIGIN AND GEOLOGICAL HISTORY OF ASSATEAGUE ISLAND
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELMARVA PENINSULA ASSATEAGUE
ISLAND
ABSTRACT SMALL SURVEY CONTAINING DATA FROM 26 BORINGS IN THE
VICINITY OF ASSATEAGUE ISLAND CONDUCTED TO DETERMINE THE AGE AND ORIGIN OF THE
ISLAND COMPLEX. SOUNDED CORES ON DEPTH AT WHICH BIOMATERIAL OF MARSH ORIGIN WAS
FOUND.

NAME LIEBARIAN
PHONE NUMBER 301 326 4281
INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
CITY SCLEPCAS
STATE MARYLAND
ZIP CODE 20688

FILE NAME CSFREY REPRODUCTION IN RELATION TO PESTICIDE
RESIDUES IN EGGS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., CONNECTICUT AND
MARYLAND
ABSTRACT CSFREY TISSUES, EGGS AND FISH FROM MARYLAND AND
CONNECTICUT WERE ANALYZED FOR ORGANOCHLORINE PESTICIDES AND PCB.

NAME R. I. SMITH, DIRECTOR
PHONE NUMBER 301 776 4880
INSTITUTION OR AGENCY PATUXENT WILDLIFE RESEARCH CENTER
STREET MIGRATORY BIRD AND HABITAT RESEARCH LABORATORY
CITY LAUREL
STATE MARYLAND
ZIP CODE 20810

FILE NAME OVERWINTERING AND DISPERSAL OF TETRANYCHUS
TURKESTANI UGAROV AND NIKLSKI
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
A STUDY CONDUCTED IN DELAWARE DURING 1968 AND 1969 (1) TO INVESTIGATE THE
RELATIONSHIP BETWEEN THE STRAWBERRY SPIDER MITE, TETRANYCHUS TURKESTANI, AND
ITS SUSPECTED OVERWINTERING HOST, RED CLOVER; (2) TO DETERMINE THE METHODS OF
DISPERSAL USED BY T. TURKESTANI AND (3) TO DETERMINE WHAT ENVIRONMENTAL
FACTORS ARE INVOLVED IN THE MITE'S MOVEMENTS.
NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME OVERWINTERING AND DISPERSAL OF TETRANYCHUS
TURKESTANI
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, KENT COUNTY
ABSTRACT ASPECTS OF THE ECOLOGY OF THE STRAWBERRY SPIDER
MITE, TETRANYCHUS TURKESTANI WERE STUDIED IN SOYBEAN FIELDS IN DELAWARE.
OVERWINTERING AND INFESTATIONS AND ABUNDANCE ARE REPORTED.
NAME INTER-LIBRARY LOAN
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
STREET SOUTH COLLEGE AVENUE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME CYSTER MONITORING OF PLANTED CULTCH IN NORTH
CAROLINA
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTH CAROLINA, COASTAL
ABSTRACT A STUDY IN THE COASTAL AREA OF NORTH CAROLINA WHICH
MONITORS NUMBER OF SPAT, GROWTH, AND SURVIVAL TWICE A YEAR.
NAME FENTRESS MUNDEN
PHONE NUMBER 919 726 7021
INSTITUTION OR AGENCY NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC
RESOURCES
STREET DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O.
BCX 769
CITY MCGREHEAD CITY
STATE NORTH CAROLINA
ZIP CODE 28557

FILE NAME CYSTER SURVEY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
MARYLAND
ABSTRACT ANNUAL SURVEY OF MARYLAND CYSTER BARS, NATURAL AND
PLANTED, DATA INCLUDES NUMBER AND SIZE OF CYSTERS; ASSOCIATED INVERTEBRATES
RELATIVE ABUNDANCE; INCIDENCE OF DRILLS; NOTES ON CONDITION, COLOR, AND GONAD
DEVELOPMENT; DEPTH, TEMPERATURE, AND SALINITY. LONG TERM SURVEY DATA
AVAILABLE. AVERAGE 1250 STATIONS PER YEAR, 12 YEARS DATA
NAME HAROLD A. DAVIS
PHONE NUMBER 301-267-5366
INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
STREET TAKES STATE OFFICE BUILDING
CITY ANNAPOLIS
STATE MARYLAND
ZIP CODE 21401

FILE NAME OZONE FLIGHT DATA
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
ABSTRACT SEVERAL FLIGHTS WERE TAKEN IN THE MONTHS OF JULY
AND AUGUST, 1975 AND 1976 TO DETERMINE OZONE LEVELS. ALL FLIGHTS WERE TAKEN IN
THE EARLY MORNING OR EARLY AFTERNOON. THE PRIMARY OBJECTIVE OF THE FLIGHTS WAS
TO OBTAIN HORIZONTAL AND VERTICAL OZONE PROFILES OVER MOST AREAS OF NEW JERSEY
TO DETERMINE THE RELATIVE IMPORTANCE OF LOCAL GENERATION AND TRANSPORT.
MEASUREMENTS OF OZONE WERE USUALLY TAKEN EVERY 500 FEET UP TO 7000 FEET.
NAME SENIOR ENVIRONMENTAL SPECIALIST
PHONE NUMBER 609 292 6723
INSTITUTION OR AGENCY NEW JERSEY BUREAU OF AIR POLLUTION CONTROL
STREET LABOR AND INDUSTRY BUILDING
CITY TRENTON
STATE NEW JERSEY
ZIP CODE 08625

FILE NAME PAINTER, VIRGINIA TRUCK AND ORNAMENTAL RESEARCH
 STATION AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W247, FLT. 1, WITH Wallops STATION C-54
 AIRCRAFT ON SEPTEMBER 6, 1973, EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS
 IN COOPERATION WITH AGRONOMY DEPT. OF VA. POLYTECHNIC INSTITUTE AND STATE
 UNIV. OBJECTIVE - TO OBTAIN LATE SUMMER COLOR AND FALSE COLOR INFRARED IMAGERY
 OF PLANTINGS OF PAINTER, VA. TRUCK AND ORNAMENTALS RES. STATION. IMAGERY WILL
 BE USED IN MONITORING GROWTH AND VIGOR OF PLANTS AND IN DETERMINING PLANT
 SIGNATURES. FLIGHT IN SLIGHTLY CLOUDY WEATHER WITH SCATTERED TO BROKEN
 CLOUDS, VISIBILITY 3-4 MILES, AIR TEMP. 20 DEG. C AT 1000 FT., MSL WITH WIND
 OF 10 KNOTS FROM 225 DEG.

NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PAINTER, VIRGINIA TRUCK AND ORNAMENTALS RESEARCH
 STATION AGRICULTURAL STUDY VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W178, FLIGHT 1, DEC. 12, 1972, WITH WALLEPS
 STATION C-54 AIRCRAFT EQUIPPED WITH 2 T-11 CAMERAS IN COOPERATION WITH
 AGRONOMY DEPT. OF VA. POLYTECHNIC INSTITUTE AND STATE UNIV. AT PAINTER TRUCK
 AND ORNAMENTAL STA., PAINTER, VA. CONCLUDING MISSION OF A SERIES OF FLIGHTS
 MADE THROUGHOUT THE 1972 GROWING SEASON FOR INVESTIGATING CROP GROWTH RELATING
 TO SOIL, DISEASE, AND CULTIVATION VARIATIONS. WEATHER - CLEAR, VISIBILITY
 10-15 MILES, AIR TEMP. +2 DEG. C AT 1000 FT., MSL WITH WIND OF 15 KNOTS FROM
 240 DEG.

NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PAINTER, VIRGINIA TRUCK AND ORNAMENTALS RESEARCH
 STATION AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W213, FLIGHT 1, WAS ACCOMPLISHED ON MAY 21,
 1973, UTILIZING THE WALLEPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11
 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE AGRONOMY DEPARTMENT OF VIRGINIA
 POLYTECHNIC INSTITUTE AND STATE UNIV. FIRST IN A SERIES OF SUMMER AND EARLY
 AUTUMN MISSIONS OVER VA. TRUCK AND ORNAMENTALS RESEARCH STA. AT PAINTER, VA.
 DESIGNED TO OBTAIN FALSE COLOR INFRARED IMAGERY OF THE PLANTINGS PERIODICALLY
 DURING THEIR GROWTH CYCLES FOR USE IN MEASURING RELATIVE PLANT VIGOR BY
 SPECIES. GOOD WEATHER WITH VISIBILITY FROM 7-10 MILES, AIR TEMP. 20 DEG. AT
 1000 FT. MSL, WIND 10 KNOTS FROM 230 DEG.

NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PALEONTOLOGY AND BIOSTRATIGRAPHY OF DEEP SEA CORES
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
 ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS
 INSTITUTION OF OCEANOGRAPHY IS UNDERTAKEN ON THE ADVICE OF THE JOINT
 OCEANOGRAPHIC INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). TO DATE CSOP HAS
 TAKEN GEOLOGICAL AND GEOPHYSICAL DATA FROM THE DRILLING SHIP GLOMAR CHALLENGER
 AT 383 SITES OVER THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED
 AND ARCHIVED BY THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND
 RETRIEVAL METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE
 FROM THE GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS
 A SEPARATE FILE. THREE INDIVIDUALS PRODUCE HANDWRITTEN REPORTS OF THEIR
 MICROSCOPIC EXAMINATION OF THE CORES. MUCH OF THIS INFORMATION IS AVAILABLE IN
 THE INITIAL REPORTS SERIES.

NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3526
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF
 OCEANOGRAPHY
 STREET P.O. BOX 1525
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92053

FILE NAME PARAECOLOGY OF BENTHONIC FORAMINIFERA AND
ASSOCIATED MICRO-ORGANISMS OF THE CONTINENTAL SHELF OFF LONG ISLAND
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, LONG ISLAND, N.Y.
RIGHT, COASTAL
ABSTRACT THE STUDY INVOLVES A PARAECOLOGIC INVESTIGATION OF
RECENT MICRO-ORGANISMS, ESPECIALLY BENTHONIC FORAMINIFERA, OF THE CONTINENTAL
SHELF OFF LONG ISLAND, NEW YORK. NINETY-ONE BENTHONIC FORAMINIFERAL SPECIES
WERE IDENTIFIED. OF THESE, SIXTY-SEVEN WERE FOUND TO BE LIVING AT THE TIME OF
COLLECTION. THE REMAINING FORMS WERE NOT REPRESENTED BY LIVING SPECIMENS.
THESE SPECIES TOGETHER CONSTITUTE LESS THAN TWO PERCENT OF THE TOTAL
POPULATION. PLANKTONIC FORAMINIFERA AND DIATOMS WERE ALSO EXAMINED. BIO FACIES
AND ECOTYPES WERE DETERMINED BY CLUSTER ANALYSIS.

NAME DR. GERALD M. FRIEDMAN
PHONE NUMBER 518 270 6474
INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, REASELAER POLYTECHNIC
INSTITUTE
CITY TRCY
STATE NEW YORK
ZIP CODE 12181

FILE NAME PARASITES OF FISHES OF THE CHESAPEAKE BAY REGION
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., CHESAPEAKE BAY,
COASTAL, JAMES, YORK, RAPPAHANNOCK RIVERS
ABSTRACT PARASITE SURVEY OF FISHES IN THE CHESAPEAKE BAY
REGION HOST RECORDS, INCIDENCE AND SEVERITY OF INFESTATION, ORGAN SPECIFICITY,
HISTOLOGY OF INFESTATION LONG-TERM ACCUMULATIVE STUDY

NAME DAVID ZERNER
PHONE NUMBER 804-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME PARASITES OF STRIPED BASS
GENERAL GEOGRAPHIC AREA U.S., NORTH ATLANTIC, COASTAL, CHESAPEAKE BAY AND
TRIBUTARIES
ABSTRACT PARASITE SURVEY OF STRIPED BASS IN THE CHESAPEAKE
BAY AREA AND TRIBUTARY RIVERS. FINAL LISTS BY AREA, SEX, SEASON, AGE OF FISH.
EFFECTS OF PARASITE BURDEN UPON BIOLOGY OF HOST FISH. HISTOPATHOLOGY OF
INFECTION.

NAME DAVID ZERNER
PHONE NUMBER 804-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME PARASITES OF THE COASTAL PLAINS (CRUSTACEANS, FISH,
AND MAMMALS) IN NORTH CAROLINA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA,
COASTAL PLAIN TO OCEAN
ABSTRACT GENERAL SURVEY OF COASTAL PLAIN AQUATIC ANIMAL
PARASITES OF NORTH CAROLINA. HOSTS INCLUDE AMPHIPODS, CRABS, DEMERSAL FISH AND
WHALES.

NAME CHARLES JOHNSON
PHONE NUMBER 919 728 2111
INSTITUTION OR AGENCY DUKE UNIVERSITY MARINE LABORATORY
CITY BEAUFORT
STATE NORTH CAROLINA
ZIP CODE 28516

FILE NAME PARASITIC HYMENOPTERA - INSECT ASSOCIATIONS IN A
BLACKLIGHT TRAP COLLECTION
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, BURLINGTON COUNTY
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
A STUDY CONDUCTED IN 1970 AT THE USDA BENEFICIAL INSECTS LABORATORY,
MORFESTON, NEW JERSEY, TO DETERMINE THOSE SPECIES OF BENEFICIAL INSECTS,
PARTICULARLY HYMENOPTERA, THAT ARE ATTRACTED TO BLACKLIGHT TRAPS AND THE
POSSIBLE USES OF THIS ATTRACTION AS A TOOL FOR THE ENTOMOLOGIST.

NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME PARASITISM OF BIRDS BY PROTOCALLIPHORA BLOWFLIES
(DIPTERA: CALLIPHORIDAE) IN DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
FIELD STUDIES CONDUCTED IN 1967 AND 1968 TO DETERMINE WHAT SPECIES OF BIRDS
ARE PARASITIZED BY PROTOCALLIPHORA IN DELAWARE. THE WOOD THRUSH POPULATION AND
ITS SPECIES OF PROTOCALLIPHORA PARASITES ARE EMPHASIZED.

NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME PART IV OCCURRENCE OF THE SILVER PHASE OF THE
 AMERICAN EEL, ANGUILLA ROSTRATA, IN WATERS OVERLYING THE EASTERN NORTH
 AMERICAN CONTINENTAL SHELF
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF
 OFF VIRGINIA
 ABSTRACT ELEVEN REPRODUCTIVELY MATURING SPECIMENS OF THE
 AMERICAN EEL WERE COLLECTED DURING THREE INDEPENDENT OFF-SHORE TRAWLING
 OPERATIONS. REPORT INCLUDES MORPHOMETRIC ANALYSIS OF CAPTURED EELS
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME PARTICULATE ORGANIC DETRITUS IN A NEW JERSEY SALT
 MARSH-ESTUARINE ECOSYSTEM
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 LITTLE EGG INLET
 ABSTRACT THIS FILE CONTAINS QUALITATIVE AND QUANTITATIVE
 DATA ON THE PARTICULATE ORGANIC DETRITUS IN A SALT MARSH ECOSYSTEM. THE DATA
 COLLECTED SEASONALLY FROM AUGUST 1972 UNTIL JUNE 1973, INCLUDES DETRITAL LOAD
 VOLUME, WATER TRANSPORT, TIDE HEIGHT, SEDIMENT TYPE, PARTICULATE ORGAN CARBON
 AND NITROGEN, CHLOROPHYLL A, AND COUNTS OF ZOOPLANKTON AND PHYTOPLANKTON. THE
 DATA IS CONTAINED IN AN M.S. THESIS, 1975, BY ROY E. DENMARK, RUTGERS
 UNIVERSITY.
 NAME ROY DENMARK
 PHONE NUMBER 215 597 2944
 INSTITUTION OR AGENCY U.S. ARMY CORPS OF ENGINEERS
 STREET CUSTOMS HOUSE 2ND AND CHESTNUT STREET
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19106

FILE NAME PATCHOGUE SEWER DISTRICT DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND, SUFFOLK COUNTY, PATCHOGUE
 ABSTRACT 1 STATION AT A SEWAGE TREATMENT PLANT LOCATED IN
 PATCHOGUE WAS SAMPLED FROM JANUARY 1970 TO THE PRESENT FOR WATER TRANSPORT,
 WATER TEMPERATURE, PH, PARTICULATE MATTER, BIOCHEMICAL OXYGEN DEMAND, TOTAL
 CHLORINE RESIDUAL, COLIFORMS, AND SUSPENDED SOLIDS (DRY WEIGHT).
 NAME GORDEN J. WATT
 PHONE NUMBER 516 234 2622 X242
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL
 CONTROL, WATER POLLUTION CONTROL SECTION
 STREET 1324 MOTOR PARKWAY
 CITY HAUPPAUGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME PCB'S AND PESTICIDES IN STRIPED BASS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND, NANTICOCKE AND CHOPTANK RIVERS
 ABSTRACT PESTICIDES AND PCB'S IN STRIPED BASS EGGS. 24 FISH
 COLLECTED FROM NANTICOCKE AND CHOPTANK RIVERS, MARYLAND DURING SPawning SEASON
 IN 1972 AND 1973. BACKGROUND LEVELS SOUGHT AND POSSIBLE EFFECTSON SUCCESS OF
 SPawning EVALUATED.
 NAME JOSEPH EOCNE
 PHONE NUMBER 301-267-5785
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAWES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME PECONIC AND FLANDERS BAY SYNCTIC
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG
 ISLAND, PECONIC AND FLANDERS BAY
 ABSTRACT THIS FILE IS IN THE FORM OF AN ACADEMIC EXERCISE
 PERFORMED BY STUDENTS MAJORING IN MARINE SCIENCE AT SOUTHAMPTON COLLEGE, LONG
 ISLAND, NEW YORK. PARAMETERS MEASURED AS PART OF THIS EXERCISE INCLUDE
 NITRATE, NITRITE, AND PHOSPHATE.
 NAME J. R. BELKER
 PHONE NUMBER 516 283 4000
 INSTITUTION OR AGENCY SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER
 STREET TUCKAHOE ROAD
 CITY SOUTHAMPTON
 STATE NEW YORK
 ZIP CODE 11968

FILE NAME PELAGIC FISH EGGS AND LARVAE OF THE PECONIC BAYS,
 LONG ISLAND, NEW YORK
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 BLOCK ISLAND SOUND, PECONIC BAYS
 ABSTRACT 13 STATIONS LOCATED IN THE PECONIC BAYS WERE
 SAMPLED FROM MAY 1971 TO 1974 FOR SALINITY, TEMPERATURE, AND FECUNDITY OF
 PELAGIC FISH.
 NAME STEVEN P. FERRARO
 PHONE NUMBER 516 246 7713
 INSTITUTION OR AGENCY DEPT. OF BIOLOGY, SUNY
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11750

FILE NAME PERSISTENCE OF THE MILKY-SPORE DISEASE ORGANISMS OF
 THE JAPANESE BEETLE IN DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT DATA COLLECTED DURING THE SUMMER AND FALL OF 1972
 ON THE DISTRIBUTION OF THE MILKY-SPORE DISEASE WITHIN THE LARVAL POPULATION OF
 THE JAPANESE BEETLE IN DELAWARE ARE PRESENTED IN REPORT FORM. EMPHASIZED IN
 THE STUDY ARE GRUB POPULATION DENSITIES AT 14 TEST SITES THROUGHOUT DELAWARE
 AND THE ASSOCIATED INCIDENCE OF MILKY-SPORE DISEASE BASED ON THE TYPE OF
 SAMPLING SITE: (1) ORIGINAL INOCULATION, (2) NATURAL INOCULATION AND (3)
 DISEASE-FREE.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME PESTICIDE DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 EASTERN SHORE, YORK, RAPPAHANNOCK, JAMES, ELIZABETH RIVERS, LYNNHAVEN BAY
 ABSTRACT RESULTS OF PESTICIDE ANALYSES PERFORMED BY THE
 VIRGINIA INSTITUTE OF MARINE SCIENCE AND THE VIRGINIA STATE WATER CONTROL
 BOARD ON OYSTERS OBTAINED FROM THE LOWER CHESAPEAKE BAY AND TRIBUTARIES ARE ON
 FILE AT THE BUREAU OF SHELLFISH SANITATION
 NAME CLOYDE W. WILEY, DIRECTOR
 PHONE NUMBER 804 770 7937
 INSTITUTION OR AGENCY BUREAU OF SHELLFISH SANITATION
 STREET JAMES MADISON BLDG., 109 GOVERNOR STREET
 CITY RICHMOND
 STATE VIRGINIA
 ZIP CODE 23215

FILE NAME PESTICIDE MONITORING PROGRAM
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 EASTERN SHORE, VA TICAL RIVERS AND BAYS
 ABSTRACT OYSTERS OBTAINED AT SIX MONTH INTERVALS FROM
 STATIONS LOCATED IN TICAL TRIBUTARIES AND BAYS OF VIRGINIA ARE ANALYSED FOR
 DDT, DDD, DDE, DIELDRI, PCB. THE DATA IS USED TO MONITOR SHELLFISH
 CONTAMINATION BY THE CHEMICALS.
 NAME CLOYDE W. WILEY, DIRECTOR
 PHONE NUMBER 804 770 7937
 INSTITUTION OR AGENCY BUREAU OF SHELLFISH SANITATION
 STREET JAMES MADISON BLDG., 109 GOVERNOR STREET
 CITY RICHMOND
 STATE VIRGINIA
 ZIP CODE 23215

FILE NAME PH OF RAINWATER IN NEW YORK CITY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, N.Y. BIGHT,
 NEW YORK CITY
 ABSTRACT THE PH OF EVERY PRECIPITATION EVENT SINCE OCTOBER
 1970 HAS BEEN MEASURED AT A SITE AT QUEENS COLLEGE, FLUSHING, NEW YORK. SOME
 ADDITIONAL MEASUREMENTS OVER THE SAME PERIOD HAVE BEEN MADE AT A SITE IN
 BROOKLYN, NEW YORK. MEAN MONTHLY PH VALUES HAVE VARIED IN A SINUSOIDAL PATTERN
 DURING THIS PERIOD, THE LOWEST VALUES BEING FOUND IN JULY AND AUGUST AND THE
 HIGHEST IN FEBRUARY AND OCTOBER. AVERAGE MONTHLY VALUES RANGE FROM 3.7 IN JULY
 1973 TO 5.2 IN FEBRUARY 1972. THE OVERALL MONTHLY AVERAGE FOR 1973 WAS 4.30.
 NO CORRELATION IS APPARENT BETWEEN ACIDITY AND VOLUME OF RAIN. SOME CHEMICAL
 ANALYSES FOR SULFATE AND OTHER IONS HAVE BEEN MADE; ACIDITY CORRELATES WITH
 SULFATE CONCENTRATION FOR THESE SAMPLES. ADDITIONAL PARAMETERS DETERMINED IN
 THE STUDY ARE MILLIEQUIVALENTS HYDROGEN ION AND VOLUME AND INCHES OF
 PRECIPITATION.

NAME DR. DAVID C. LECHE
 PHONE NUMBER 212 520 7437
 INSTITUTION OR AGENCY DEPARTMENT OF CHEMISTRY, QUEENS COLLEGE
 CITY FLUSHING
 STATE NEW YORK
 ZIP CODE 11347

FILE NAME PHILADELPHIA OCEAN DUMPING SITE SURVEY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 OCEAN CITY
 ABSTRACT SURVEY OF HYDROGRAPHIC AND BENTHIC PARAMETERS AT A
 PROPOSED OCEAN DUMPING SITE FOR THE CITY OF PHILADELPHIA LOCATED 10 MILES OFF
 THE COAST OF OCEAN CITY, MARYLAND. STUDY DESIGNED TO DETERMINE EFFECTS OF
 OCEAN DUMPING. DATA IS PRIMARILY ON ZOOPLANKTON
 NAME JOSEPH FORNS
 PHONE NUMBER 301-765-1000
 INSTITUTION OR AGENCY WESTINGHOUSE ELECTRIC CORPORATION
 STREET OCEAN RESEARCH LABORATORY, BOX 1771
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21404

FILE NAME PHOTOMETRIC TIDAL CURRENT PROJECTS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, SOUTH
 CAROLINA, NORTH CAROLINA, MASSACHUSETTS, FLORIDA, NEW YORK, DELAWARE
 ABSTRACT 6 PHOTOMETRIC TIDAL CURRENT PROJECTS WERE
 CONDUCTED. COMPLETED PROJECTS ARE CHARLESTON HARBOR (APRIL, 1962); OCRACOE
 INLET, NORTH CAROLINA (OCTOBER 1962); AND BOSTON HARBOR (MAY, 1971). IN THE
 TAMPA BAY, FLORIDA PROJECT THE PHOTOGRAPHY WAS TAKEN AND SOME MEASUREMENTS
 WERE MADE, BUT THE PROJECT WAS NEVER COMPLETED. IN THE LONG ISLAND SOUND AND
 DELAWARE RIVER, ONLY THE PHOTOGRAPHS WERE TAKEN.
 NAME CHIEF, OCEANOGRAPHIC SURVEY BRANCH
 PHONE NUMBER 301 496 8501
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 4001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME PHOTOGRAPHS OF COASTAL LONG ISLAND LANDFORMS AND
 LAND USES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, COASTAL, LONG ISLAND
 ABSTRACT ABOUT 340 AERIAL PHOTOS AND 460 GROUND PHOTOGRAPHS
 OF COASTAL LONG ISLAND WERE TAKEN IN 1975. PICTURES ARE KEYED BY DATE,
 POSITION, LANDFORM AND LAND USE TYPE. AIRPHOTOS TAKEN AT ALTITUDES OF 1000 TO
 3000 FEET. ALL AVAILABLE AS 35 MM TRANSPARANCIES.
 NAME DAVID E. HARPER
 PHONE NUMBER 315 473 8741
 INSTITUTION OR AGENCY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
 STREET 318 MARSHALL HALL
 CITY SYRACUSE
 STATE NEW YORK
 ZIP CODE 13210

FILE NAME PHOTOGRAPHS OF RED PINE ROOT MORPHOLOGY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK
 ABSTRACT ABOUT SIX THOUSAND PHOTOGRAPHS OF RED PINE ROOT
 STRUCTURES IDENTIFIED TO SPECIES, TIME AND PLACE OF COLLECTION. SOME
 PHOTOMICROGRAPHS OF FUNGI IN THE ROOTS.
 NAME HUGH E. WILCOX
 PHONE NUMBER 315 473 8815
 INSTITUTION OR AGENCY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
 STREET 404 ILLICK HALL
 CITY SYRACUSE
 STATE NEW YORK
 ZIP CODE 13210

FILE NAME PHYSICAL ANALYSIS OF THE INDIAN RIVER ESTUARY
 (REPORT 9) EDISON ELECTRIC INSTITUTE COOLING WATER RESEARCH PROJECT (RP-49)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE,
 INDIAN RIVER
 ABSTRACT THIS STUDY IS AN ANALYSIS OF PHYSICAL, HYDROGRAPHIC
 AND TEMPERATURE DATA FROM THE EDISON ELECTRIC INSTITUTE RESEARCH PROJECT
 RP-49, INDIAN RIVER SITE NO. 4, DURING THE YEARS 1968 THROUGH 1971. PARAMETERS
 INVESTIGATED FOR THIS POWER PLANT STUDY INCLUDE RIVER FLOW, WATER TEMPERATURE,
 SALINITY, WIND SPEED, WIND DIRECTION, PRECIPITATION AND EVAPORATION ALONG
 INDIAN RIVER BELOW HILLSBORO DAM TO PEPPER CREEK.
 NAME JOHN E. EDINGER
 PHONE NUMBER 301 366 3300
 INSTITUTION OR AGENCY DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL
 ENGINEERING
 STREET JOHN HOPKINS UNIVERSITY
 CITY BALTIMORE
 STATE MARYLAND
 ZIP CODE 21218

FILE NAME PHYSICAL AND CHEMICAL DATA FOR CHOFTANK RIVER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND,
 COASTAL, CHOFTANK RIVER
 ABSTRACT PHYSICAL AND CHEMICAL DATA FOR 4 STATIONS AT 2 WEEK
 INTERVALS BETWEEN JUNE AND NOVEMBER OF 1971 AND 1972 IN THE CHOFTANK RIVER
 SYSTEM, MARYLAND. DATA BASE FILED AND CROSS INDEX WITH FISH COMMUNITY DATA.
 REPORTED AS MONTHLY AVERAGE FOR EACH PARAMETER
 NAME W.R. CARTER
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAKES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME PHYSICAL ASPECT OF BASELINE STUDIES FOR THE
 ENVIRONMENTAL ASSESSEMENT OF SUSSEX COUNTY OCEAN OUTFALLS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COAST, CAPE
 HENLOPEN, BETHANY BEACH
 ABSTRACT THE PURPOSE OF THE STUDY WAS TO INVESTIGATE THE
 PHYSICAL ASPECTS OF THE MARINE ENVIRONMENT AT TWO SITE AREAS ALONG THE COAST
 OF DELAWARE REGARDING THE POSSIBLE LOCATION OF OCEAN OUTFALLS. THE STUDY
 INCLUDED THE FIELD MEASUREMENTS OF CURRENTS AND CIRCULATION AND FIELD
 DETERMINATION OF THE DENSITY STRUCTURE THROUGHOUT THE YEAR. DATA TAKEN JULY
 1973 THROUGH AUGUST 1974 OFF BETHANY BEACH AND CAPE HENLOPEN, DELAWARE
 INCLUDES CURRENT, TEMPERATURE, SALINITY, DENSITY, AND WIND MEASUREMENTS.

NAME JOHN D. DITMARS
 PHONE NUMBER 302 738 2440
 INSTITUTION OR AGENCY DEPARTMENT OF CIVIL ENGINEERING
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME PHYSICAL, CHEMICAL, AND BIOLOGICAL INVESTIGATIONS
 IN THE BRANDYWINE RIVER BASIN 1971 TO 1974
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., PENNSYLVANIA,
 DELAWARE, BRANDYWINE RIVER BASIN
 ABSTRACT AN INTERDISCIPLINARY STUDY OF THE BRANDYWINE RIVER
 WATERSHED DURING THE YEARS 1971 THROUGH 1974 WAS CONDUCTED. PARAMETERS
 INVESTIGATED DURING THE STUDY INCLUDE TOTAL PHOSPHATE, ORTHOPHOSPHATE,
 DISSOLVED OXYGEN, CHLOROPHYLL A, CAROTENOIDS, SECCHI DISC DEPTH, ATP, NO₃, SO₄,
 NA, Cl, MG, K, CA, BCD AND COD. PARAMETERS WERE RECORDED CONTINUOUSLY IN SOME
 CASES, BI-MONTHLY, DAILY OR QUARTERLY IN OTHERS. RIVER FLOW WAS ALSO MONITORED
 ON A CONTINUOUS BASIS.

NAME WILLIAM SELLERS
 PHONE NUMBER 215 459 1900
 INSTITUTION OR AGENCY TRI COUNTY CONSERVANCY OF THE BRANDYWINE
 STREET ENVIRONMENTAL MANAGEMENT CENTER
 CITY CHADDS FORD
 STATE PENNSYLVANIA
 ZIP CODE 19317

FILE NAME PHYTO
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 GREAT SOUTH BAY, SOUTHEAST
 ABSTRACT A STUDY OF PHYTOPLANKTON AND BACTERIA IN THE NEW
 YORK BIGHT AND GREAT SOUTH BAY WAS CONDUCTED FROM 1969 TO THE PRESENT. 52
 STATIONS WERE SAMPLED.

NAME J. M. CASSIN, ASSOCIATE PROFESSOR
 PHONE NUMBER 516 294 8700 X7503
 INSTITUTION OR AGENCY ADELPHI UNIVERSITY, INSTITUTE OF MARINE SCIENCE
 STREET SOUTH STREET
 CITY GARDEN CITY
 STATE NEW YORK
 ZIP CODE 11530

FILE NAME PHYTOPLANKTON PRODUCTIVITY NUTRIENT RECYCLING AND
 ENERGY FLOW IN THE INNER NEW YORK BIGHT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, N.Y. BIGHT
 ABSTRACT SEASONAL VARIATIONS IN THE DISTRIBUTION AND
 MAGNITUDE OF PHYTOPLANKTON AND ZOOPLANKTON ABUNDANCE AND PRODUCTIVITY IN THE
 DUMPING GROUNDS OF NEW YORK BIGHT WILL BE STUDIED. SELECTED ENVIRONMENTAL
 PARAMETERS WILL BE COMPARED TO THE SEASONAL VARIATIONS. TWENTY-THREE
 PARAMETERS WILL BE DETERMINED. THE STUDY WILL FOCUS ON THE RELATIONSHIPS
 BETWEEN PHYTOPLANKTON PRODUCTIVITY, TURBIDITY, NUTRIENT CONCENTRATIONS, VOLUME
 TRANSPORT OF THE HUDSON RIVER AND ZOOPLANKTON GRAZING. THE STUDY IS DESIGNED
 TO PROVIDE INFORMATION REQUIRED TO PREDICT AND MONITOR THE IMPACT ON THE
 PELAGIC ECOSYSTEM BY THE QUANTITY AND QUALITY OF MUNICIPAL WASTES AND DREDGE
 SPILLS DISCHARGED INTO THE NEW YORK BIGHT.

NAME DR. THOMAS MALONE
 PHONE NUMBER 212-621 7433
 INSTITUTION OR AGENCY DEPARTMENT OF BIOLOGY, CITY COLLEGE OF NEW YORK
 STREET 138TH STREET AND CONVENT AVENUE
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10031

FILE NAME PHYTOPLANKTONIC PRIMARY PRODUCTION IN CHINCOTEAGUE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELMARVA PENINSULA,
 CHINCOTEAGUE BAY
 ABSTRACT BASELINE DATA FOR CHINCOTEAGUE BAY CONTAINED IN THIS FILE FROM 3 TRANSECTS. PROJECT OBJECTIVES WERE TO ASSESS THE DISTRIBUTION OF PRIMARY PRODUCTION AND NUTRIENTS IN THE BAY. NITROGEN, PHOSPHORUS, CARBON, CHLOROPHYLL, OXYGEN AND C-14 PRODUCTIVITY, AND WATER CHEMISTRY INCLUDED.
 NAME LIBRARIAN
 PHONE NUMBER 301 326 4261
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SELEMONS
 STATE MARYLAND
 ZIP CODE 20666

FILE NAME PINE BARK BEETLE INFESTATION STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, EASTERN SHORE
 ABSTRACT MISSION W054, FLIGHT01, WAS ACCOMPLISHED ON APRIL 19, 1971 UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA DEPARTMENT OF FORESTRY. THE OBJECTIVE OF THE FLIGHT WAS TO IMAGE INFESTATION OF THE PINE BARK BEETLE IN THE WATTSVILLE, VIRGINIA AREA USING REMOTE SENSING TECHNIQUES.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PINE BARK BEETLE STUDIES - VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W031, FLIGHT C1, WAS ACCOMPLISHED ON NOVEMBER 8, 1970, UTILIZING A WALLEPS FLIGHT CENTER HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH THE INSECT AND DISEASE INVESTIGATION BRANCH OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO AID IN EVALUATING THE SPREAD AND DEGREE OF PINE BARK BEETLE INFESTATION IN THE WATTSVILLE AREA OF VIRGINIA.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PINE BARK BEETLE STUDIES - VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W027, FLIGHT C3, WAS ACCOMPLISHED ON OCTOBER 17, 1970, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE INSECT AND DISEASE INVESTIGATIONS BRANCH OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO MONITOR THE SPREAD OF THE PINE BARK BEETLE INFESTATION IN THE WATTSVILLE, VIRGINIA AREA.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PINE BARK BEETLE STUDIES - VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, EASTERN SHORE
 ABSTRACT MISSION W032, FLIGHT01, WAS ACCOMPLISHED ON DECEMBER 1, 1970, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH THE INSECT AND DISEASE INVESTIGATION BRANCH OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO AID IN ASSESSING THE DEGREE AND EXTENT OF DAMAGE TO A BADLY INFESTED STAND OF PINE TREES BY THE PINE BARK BEETLE.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PINE BARK BEETLE STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., VIRGINIA, EASTERN SHORE
 ABSTRACT MISSION W050, FLIGHT01, WAS ACCOMPLISHED ON MARCH
 8, 1971, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL CAMERAS IN COOPERATION WITH THE INSECT AND DISEASE
 INVESTIGATION BRANCH OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC
 DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO ASSIST IN THE STUDY OF DAMAGE
 TO PINE STANDS IN THE WATTSVILLE, VIRGINIA AREA FROM THE INFESTATION OF THE
 PINE BARK BEETLE.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PINE BARK BEETLE STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WOLLOPS
 ISLAND
 ABSTRACT MISSION W069, FLIGHT 02, WAS ACCOMPLISHED ON JUNE
 28, 1971, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE INSECT AND DISEASE
 INVESTIGATIONS BRANCH OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC
 DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO FLY AREAS OF PINE TREES
 LOCATED ON THE WOLLOPS FLIGHT CENTER GROUNDS FOR USE IN MONITORING THE SPREAD
 OF THE PINE BARK BEETLE DISEASE ON THE INSTALLATION

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PINE BARK BEETLE STUDY-VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WATTSVILLE
 ABSTRACT MISSION W039, FLIGHT01, WAS ACCOMPLISHED ON JANUARY
 18, 1971, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE INSECT AND DISEASE
 INVESTIGATION BRANCH OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC
 DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY THE AREA JUST EAST OF
 HIGHWAY U.S. 13 AND NORTH OF VIRGINIA STATE HIGHWAY 175 FOR PINE BARK BEETLE
 DAMAGE.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PINE BARK BEETLE TEST SITE STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., VIRGINIA, WOLLOPS
 ISLAND
 ABSTRACT MISSION W067, FLIGHT 01, WAS ACCOMPLISHED ON JUNE
 14, 1971, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE INSECT AND DISEASE
 BRANCH OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT.
 THE OBJECTIVE OF THE FLIGHT WAS TO MONITOR THE PROGRESS OF A RESEARCH PROJECT
 AIMED AT CONTROLLING THE SPREAD OF THE PINE BARK BEETLE.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PLANKTON STUDIES IN DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY
 ABSTRACT PLANKTON STUDIES WERE CONDUCTED IN THE DELAWARE BAY
 AREA FROM 1929 TO 1935 WITH A CONCENTRATION OF THE STUDY FROM EARLY 1930 TO
 MID 1933. PLANKTON POPULATIONS WERE SAMPLED APPROXIMATELY ONCE A MONTH AT
 ABOUT 40 STATIONS. ANALYSES INCLUDED IDENTIFICATIONS, COUNTS, LENGTHS AND
 VOLUMES CORRELATED WITH SEASON, TEMPERATURE, SALINITY AND CHLOROPHYLL DATA.

NAME DR. GEORGINA E. DEEVEY
 PHONE NUMBER 904 352 1721
 INSTITUTION OR AGENCY FLORIDA STATE MUSEUM, UNIVERSITY OF FLORIDA
 STREET MUSEUM ROAD
 CITY GAINESVILLE
 STATE FLORIDA
 ZIP CODE 32611

FILE NAME PLANKTON STUDIES OF THE CAPE FEAR AREA, N.C.
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, CAPE
 FEAR
 ABSTRACT A TWO AND ONE HALF YEAR STUDY ON THE PHYTOPLANKTON
 AND ZOOPLANKTON OF THE CAPE FEAR AREA OF NORTH CAROLINA WAS CONDUCTED. STUDY
 INCLUDED BOTH COUNT AND IDENTIFICATION AND SPECIES DIVERSITY OF PLANKTON.
 NAME B.J. COPELAND
 PHONE NUMBER 919 737 2585
 INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
 CITY RALEIGH
 STATE NORTH CAROLINA
 ZIP CODE 27607

FILE NAME PLANKTON SURVEY FOR ABUNDANCE OF STRIPED BASS EGGS
 AND LARVAE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND
 ABSTRACT LONG TERM PLANKTON SAMPLING PROGRAM TO MONITOR
 STRENGTH OF STRIPED BASS YEAR CLASSES IN MARYLAND RIVERS. IN EXCESS OF 5000
 SAMPLES, COUNTS, SIZE, AND SPECIES LISTS FOR EACH SAMPLE. SAMPLING MID MARCH
 TO MID JUNE.
 NAME JOSEPH ECCNE
 PHONE NUMBER 301-267-5765
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAMES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME PLANKTONIC FISH EGG DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND SOUND, FLAX FORD TO MISERY POINT
 ABSTRACT 1200 OBSERVATIONS WERE GATHERED FROM JANUARY 1962
 TO MAY 1966 IN LONG ISLAND SOUND ON SALINITY, TEMPERATURE, AIR TEMPERATURE,
 AND FECUNDITY OF PELAGIC FISH.
 NAME GEORGE C. WILLIAMS
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11790

FILE NAME PLANKTONIC FORAMINIFERA AND THE CRETACEOUS-TERTIARY
 BOUNDARY IN CENTRAL DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, CENTRAL KENT COUNTY
 ABSTRACT DATA ON THE SPECIES OF UPPERMOST CRETACEOUS AND
 LOWERMOST TERTIARY PLANKTONIC FORAMINIFERA PRESENT IN 7 CORES FROM A DEEP
 WATER TEST WELL ON THE COASTAL PLAIN OF DELAWARE ARE PRESENTED. THE DEPTH OF
 THE CRETACEOUS-TERTIARY BOUNDARY IS DETERMINED BY THE FAUNAL BREAK OF
 PLANKTONIC FORAMINIFERA ASSOCIATED WITH THIS GEOLOGIC BOUNDARY.
 NAME ROBERT R. JORDAN
 PHONE NUMBER 302 738 2665
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME PLANT SMOKE PLUME STUDY-MARYLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MARYLAND
 ABSTRACT MISSION W272, FLIGHT 01, WAS ACCOMPLISHED ON MAY
 21, 1974, UTILIZING THE WALLEPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH FOUR
 HASSELBLAD CAMERAS AND ONE T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH
 NASA'S LANGLEY RESEARCH CENTER AND THE ENVIRONMENTAL PROTECTION AGENCY. THE
 OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL PHOTOGRAPHY OF THE FOLLOWING
 ELECTRIC POWER STATIONS FOR USE IN A POWER PLANT SMOKE PLUME STUDY: CALVERT
 CLIFFS, MD., CHALK POINT, MD., EICKERSON, NE., PATAPSCO, MD., AND VIENNA, MD.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PLANTS OF CAPE HENLOPEN
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, CAPE HENLOPEN,
 COASTAL
 ABSTRACT MACROSCOPIC VASCULAR LAND PLANTS WERE COLLECTED IN
 THE LATE SPRING AND EARLY SUMMER ON AND NEAR CAPE HENLOPEN, DELAWARE. ALL
 PLANTS WERE COLLECTED THROUGH PARTICULAR ATTENTION WAS PAID TO THE PLANTS OF
 THE SALT MARSH, THE ACID BAG, AND THE BEACH DUNE COMPLEX. THE PLANTS WERE
 IDENTIFIED USING GRAY'S MANUAL OF BOTANY. WHENEVER POSSIBLE, BOTH THE FERTILE
 AND THE STERILE PARTS OF EACH PLANT WAS COLLECTED.
 NAME RICHARD CLARKE
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES
 STREET ROBINSON HALL
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME PCCOMCKE RIVER BASIN STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 MARYLAND, PCCOMCKE SOUND AND RIVER
 ABSTRACT MISSION W192, FLIGHT 2, APRIL 9, 1973, WITH WALLCPS
 STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND AN I2S
 CAMERA SYSTEM IN COOPERATION WITH MD. DEPT OF CHESAPEAKE BAY AFFAIRS.
 OBJECTIVE - TO OBTAIN MULTI-BAND IMAGERY OF PCCOMCKE RIVER WETLANDS FOR USE IN
 ANALYZING WETLAND VEGETATION. WEATHER - HAZY WITH LOW AND HIGH BROKEN CLOUDS,
 AIR TEMP. 2 DEG. C AT 9500 FT., MSL WITH WIND OF 12 KNOTS FROM 090 DEG.
 NAME PALL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PCCOMCKE RIVER STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MARYLAND, SNOW HILL AREA
 ABSTRACT MISSION W047, FLIGHT 02, WAS ACCOMPLISHED ON MARCH
 11, 1971, UTILIZING A WALLCPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE BUREAU OF SPORT
 FISHERIES AND WILDLIFE AND THE PCCOMCKE RIVER COMMITTEE. THE OBJECTIVE OF THE
 FLIGHT WAS TO OBTAIN BASE LINE DATA OF THE PCCOMCKE RIVER BETWEEN SNOW HILL
 AND WHITEN, MARYLAND FOR USE IN WATER RESOURCES MANAGEMENT.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME PCCOMCKE RIVER WETLANDS VEGETATION STUDY, THE
 UNITED STATES GEOLOGICAL SURVEY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 MARYLAND, PCCOMCKE RIVER
 ABSTRACT MISSION W208, FLI. 2, MAY 16, 1973, WITH WALLCPS
 STATION HELICOPTER EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA
 SYSTEM IN COOPERATION WITH U. S. GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN
 REMOTE SENSING IMAGERY OF PCCOMCKE RIVER AND ADJACENT LOWLAND FOR
 IDENTIFICATION OF WETLAND VEGETATION ALONG RIVER.
 NAME PALL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME POPULATION BIOLOGY OF AMPHICARPUM PURSHII IN THE
 NEW JERSEY PINE BARRENS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT FIVE NEW JERSEY POPULATIONS OF AMPHICARPUM PURSHII
 (AN ANNUAL PANICOID GRASS) WERE INVESTIGATED AS TO DISTRIBUTIONAL PATTERNS,
 REPRODUCTIVE PATTERNS AND SEEDLING VIGOR WITHIN DIFFERENT HABITATS
 NAME REFERENCE LITERARIAN
 PHONE NUMBER 201 732 1766
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME POPULATION DYNAMICS OF PRIVATE AND PUBLIC CYSTER
 BEDS IN VIRGINIA. 1947 TO 1967
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, LOWER CHESAPEAKE
 BAY, TRIBUTARIES AND TIDAL CREEKS
 ABSTRACT ANNUAL POPULATION ASSESSMENTS OF OYSTERS IN THE
 LOWER CHESAPEAKE BAY AND NUMEROUS TRIBUTARIES HAVE BEEN MADE SINCE 1947. DATA
 ALSO INCLUDES COUNTS OF CYSTER SPATFALL AT BOTH SEASONAL INTERVALS AND WITHIN
 SEASON INTERVALS FOR NUMEROUS STATIONS WITHIN THESE AREAS. OCCURRENCE,
 ABUNDANCE AND DISTRIBUTION OF PREDATORS, FOULING ORGANISMS, SCAVENGERS AND
 OTHER ASSOCIATES OF CYSTER BED COMMUNITIES IS AVAILABLE BUT NOT SUMMARIZED
 EXCEPT GENERALLY. DATA ON PARASITES SUCH AS PEA CRABS, SACCOLINIDS, MUD CRABS
 (PARASITIZED) IS AVAILABLE BUT NOT EASILY ACCESSIBLE.
 NAME DR. JAY D. ANDREWS
 PHONE NUMBER 804 642 2111 X67
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME POPULATIONS OF BLUE-WINGED TEAL ON FAIRMOUNT AND
DEAL ISLAND WILDLIFE MANAGEMENT AREAS SEPTEMBER 1971
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
FAIRMOUNT AND DEAL ISLAND, MARYLAND
ABSTRACT THREE AERIAL SURVEYS OF DEAL ISLAND AND FAIRMOUNT
WILDLIFE MANAGEMENT AREAS, WERE MADE DURING SEPTEMBER, 1971, TO DETERMINE THE
POPULATION OF BLUE-WINGED TEAL IN RELATION TO OTHER WATERFOWL SPECIES. A
RESULTANT REPORT CONCLUDED THAT AN EARLY SPECIAL BLUE-WINGED TEAL SEASON WOULD
NOT BE ADVISABLE IN THESE AREAS.
NAME VERNON STOTTS
PHONE NUMBER 301-267-5195
INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
STREET TAMES STATE OFFICE BUILDING
CITY ANNAPOLIS
STATE MARYLAND
ZIP CODE 21401

FILE NAME POST AGNES OYSTER RECOVERY SURVEY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
MARYLAND WATERS
ABSTRACT MARYLAND OYSTER PRODUCING AREAS IN CHESAPEAKE BAY
WERE SAMPLED AT QUARTERLY INTERVALS TO DETERMINE ANY EFFECTS OF HURRICANE
AGNES ON THE CONDITION OR NUMBERS OF OYSTERS.
NAME DAVID G. CARGO
PHONE NUMBER 301 326 4281
INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
STREET BOX 38
CITY SELCOMBS
STATE MARYLAND
ZIP CODE 20666

FILE NAME POUND NET EFFORT SURVEY IN LOWER CHESAPEAKE BAY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY AND
TRIBUTARIES
ABSTRACT TABULATION AND GRAPHIC SUMMARY OF POUND NET FISHERY
IN LOWER CHESAPEAKE BAY AND ITS TRIBUTARIES. STUDY AREA SURVEYED BY AIRCRAFT.
DATA INCLUDES ACTIVE POUND NETS.
NAME JOHN MERRINER
PHONE NUMBER 804-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester Point
STATE VIRGINIA
ZIP CODE 23062

FILE NAME POUND NET SAMPLING FOR COMMERCIAL CATCH
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
MARYLAND
ABSTRACT SUMMER THROUGH FALL SAMPLING OF COMMERCIAL POUND
NET CATCHES FOR CATCH COMPOSITION, SIZE OF FISH IN CATCH, AGE ANALYSIS OF
COMMERCIAL FISHES. DATA BACK TO 1958, 1970 TO PRESENT MORE INTENSIVE SURVEY.
AVERAGE 1 SAMPLE PER MONTH. INCLUDES STRIPED BASS, WEAFFISH, MENHADEN,
BLUEFISH, WHITE PERCH, AND SPCT.
NAME JOSEPH BOCNE
PHONE NUMBER 301-267-5785
INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
STREET TAMES STATE OFFICE BUILDING
CITY ANNAPOLIS
STATE MARYLAND
ZIP CODE 21401

FILE NAME PRECIPITATION ANALYSIS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, GREAT LAKES, N.Y.
RIGHT.
ABSTRACT THE UNITED STATES GEOLOGICAL SURVEY, DIVISION OF
WATER RESOURCES COLLECTS AND ANALYZES PRECIPITATION. THIRTEEN PARAMETERS ARE
MEASURED AT EACH STATION WHICH ARE MONTHLY COMPOSITES. RECORDS ARE AVAILABLE
FROM APPROXIMATELY AUGUST 1965 TO THE PRESENT. SOME OF THE PARAMETERS MEASURED
ARE CALCIUM, MAGNESIUM, SODIUM, POTASSIUM, SULFATE, CHLORIDE, AMMONIA,
NITRATE, CONDUCTIVITY, AND PH. AT PRESENT THERE ARE TWELVE SUCH STATIONS IN
NEW YORK STATE, OF WHICH FOUR ARE IN THE GREAT LAKES AND LONG ISLAND AREA.
NAME CHIEF OF COMPUTER APPLICATIONS
PHONE NUMBER 518-472-3107
INSTITUTION OR AGENCY UNITED STATES GEOLOGICAL SURVEY
STREET BOX 948
CITY ALBANY
STATE NEW YORK
ZIP CODE 12201

FILE NAME PRELIMINARY CHARACTERIZATION OF VEGETATION, SOILS,
AND FAUNA OF THE PLELAND INDUSTRIAL PARK SITE, LOGAN TOWNSHIP, GLOUCESTER
COUNTY, NEW JERSEY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, GLOUCESTER COUNTY,
LOGAN TOWNSHIP, COASTAL
ABSTRACT THIS IS A PRELIMINARY STUDY OF THE ENVIRONMENTAL
CONSEQUENCES OF BUILDING AN INDUSTRIAL PARK ON PREVIOUSLY UNDEVELOPED
PROPERTY. THE SOILS HAVE BEEN STUDIED IN DETAIL. WILDLIFE AND FLORA WERE
STUDIED, WITH RESULTS IN TEXT.

NAME DR. JAMES A. SCHMID
PHONE NUMBER 215 647 3110
INSTITUTION OR AGENCY JACK MCCORMICK AND ASSOCIATES
STREET 860 WATERLOO RD.
CITY DEVEN
STATE PENNSYLVANIA
ZIP CODE 19333

FILE NAME PRELIMINARY DRAFT ENVIRONMENTAL IMPACT ASSESSMENT
OF FIVE PROPOSED ALTERNATIVES FOR CAPACITY EXPANSION AT PHILADELPHIA
INTERNATIONAL AIRPORT
GENERAL GEOGRAPHIC AREA NORTH AMERICA, ATLANTIC SEABOARD, DELAWARE BAY,
SOUTHWEST PHILADELPHIA, TINICUM MARSH
ABSTRACT THIS ENVIRONMENTAL IMPACT STATEMENT IS A
COMPREHENSIVE ENVIRONMENTAL STUDY OF THE MARSH SURROUNDING PHILADELPHIA
INTERNATIONAL AIRPORT. IT INCLUDES DISCUSSION AND DATA ON POPULATIONS AND
DIVERSITY OF VEGETATION, MAMMALS, FISH, REPTILES, AMPHIBIANS, AND BIRDS. IT IS
WELL REFERENCED TO PREVIOUS STUDIES.

NAME JAMES A. SCHMID
PHONE NUMBER 215 647 3110
INSTITUTION OR AGENCY JACK MCCORMICK AND ASSOCIATES
STREET 860 WATERLOO RD.
CITY DEVEN
STATE PENNSYLVANIA
ZIP CODE 19333

FILE NAME PRELIMINARY ECOLOGICAL EVALUATION AND RECREATIONAL
CENSUS LITTLE TINICUM ISLAND AND VICINITY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S. COASTAL, DELAWARE RIVER,
PENNSYLVANIA, DELAWARE COUNTY, LITTLE TINICUM ISLAND
ABSTRACT THIS STUDY WAS A BASIC ECOLOGICAL INVENTORY OF
LITTLE TINICUM ISLAND AND VICINITY INCLUDING WATER CHEMISTRY AND BIOLOGICAL
SURVEY INFORMATION FROM THE ISLAND AND DELAWARE RIVER NEARBY. THE DATA, TAKEN
IN 1970 AND 1971, INCLUDES WATER TEMPERATURE, PH, ECL, CHLORIDE,
ORTHOPHOSPHATE, ORGANIC PHOSPHATE.

NAME JACK MC CORMICK
PHONE NUMBER 215 647 9000
INSTITUTION OR AGENCY JACK MC CORMICK AND ASSOCIATES
STREET 511 OLD LANCASTER ROAD
CITY BERKYN
STATE PENNSYLVANIA
ZIP CODE 19312

FILE NAME PRELIMINARY INVESTIGATIONS OF THE LONG-FINNED SQUID
OFFSHORE NORTH CAROLINA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA TO
VIRGINIA
ABSTRACT A STUDY IN 1974 TO DESIGN AND EVALUATE TRAWL GEAR
SUITABLE FOR THE EFFECTIVE CAPTURE OF THE PELAGIC LONG-FINNED SQUID (LOLIGO
PEALEII) AND ADAPTABLE TO THE TRADITIONAL NORTH CAROLINA FISHERY. ALSO, A
COLLECTION OF ECOLOGICAL AND BIOLOGICAL DATA ON THE LONG-FINNED SQUID IN
OFFSHORE NORTH CAROLINA WATERS.

NAME EDWARD G. MCCOY
PHONE NUMBER 919 726 7021
INSTITUTION OR AGENCY NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC
RESOURCES
STREET DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O.
BOX 769
CITY MCCREHEAD CITY
STATE NORTH CAROLINA
ZIP CODE 28557

FILE NAME PRELIMINARY INVESTIGATIONS ON THE SHORE FISHES OF
 THE DELAWARE BAY AREA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., DELAWARE BAY
 ABSTRACT DATA COLLECTED FROM 1958 TO 1960 ON THE SHORE
 FISHES OF THE DELAWARE BAY AREA ARE PRESENTED IN REPORT FORM. EMPHASIZED IN
 THE STUDY ARE SPECIES AND COUNTS OF FISH SAMPLED BY SEINE AND ECOLOGICAL
 CONDITIONS UNDER WHICH THE FISH ARE FOUND.
 NAME STAFF - DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME PRELIMINARY LIMNOLOGICAL STUDY OF BIG FRESH POND,
 LONG ISLAND, NEW YORK
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG
 ISLAND, SOUTHAMPTON, BIG FRESH POND
 ABSTRACT THE LAKE MISSAPOGUE ASSOCIATION REQUESTED THE
 SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER TO CONDUCT A PRELIMINARY
 INVESTIGATION OF THE FACTORS LEADING TO THE APPARENT DETERIORATION OF THE
 WATER QUALITY OF BIG FRESH POND. PARAMETERS STUDIED INCLUDE DISSOLVED OXYGEN
 GAS, PHOSPHATE, NITRATE, NITRITE, DEPTH, TEMPERATURE, SECCHI DISC DEPTH, AND
 COUNT AND SPECIES DETERMINATION OF MICROBIOTA, PELAGIC FISH, BENTHIC PLANTS,
 AND PHYTOPLANKTON.
 NAME J. R. WELKER
 PHONE NUMBER 516 283 4000
 INSTITUTION OR AGENCY SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER
 STREET TUCKAHOE ROAD
 CITY SOUTHAMPTON
 STATE NEW YORK
 ZIP CODE 11568

FILE NAME PRIMARY AQUATIC PRODUCTIVITY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, LITTLE
 EGG HARBOR
 ABSTRACT THIS IS A REPORT OF THE SECOND YEAR, STARTING JULY
 1974, OF A CONTINUING ECOLOGICAL EVALUATION OF NATURAL SALT MARSHES AND
 DEVELOPED AREAS OF BEACH PAVEN WEST. EMPHASIS HAS BEEN ON STUDIES OF PRIMARY
 PRODUCTIVITY AND NITROGEN IN THE BAY, SALT MARSHES, AND LAGOONS OF THE SYSTEM.
 NEW FEATURES OF THE SECOND YEAR ARE STUDIES OF NITROGEN FIXATION AND STUDIES
 OF PRIMARY PRODUCTION BY BENTHIC AND MARSH SURFACE ALGAL MATS. THE PHYSICAL
 FACTORS THAT WERE MEASURED ARE TEMPERATURE, SALINITY, DISSOLVED OXYGEN, AND
 WATER TRANSPARENCY. CHEMICAL PARAMETERS INCLUDE AMMONIA, NITRATE, NITRITE,
 ORGANIC NITROGEN, OXIDIZABLE CARBON AND PLANT PIGMENTS.
 NAME PAUL FARMER
 PHONE NUMBER 609 652 9589
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH GAME AND SHELLFISHERIES
 STREET NACOTE CREEK RESEARCH STATION STAR ROUTE, MILE POST
 51, U.S. ROUTE 9
 CITY ABSECON
 STATE NEW JERSEY
 ZIP CODE 08201

FILE NAME PRIMARY PRODUCTION AND EXPORT OF PLANT MATERIALS IN
 THE SALT MARSH ECOSYSTEM
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, GREAT
 BAY, MULLICA RIVER ESTUARY
 ABSTRACT OBJECTIVES OF THE PRESENT STUDY WERE TO MEASURE THE
 PRODUCTIVITY OF A MID-LATITUDE SALT MARSH (GREAT BAY-MULLICA RIVER ESTUARY)
 AND THE EXPORT OF ORGANIC MATERIAL PRODUCED THERE. THE COMMUNITIES STUDIED
 FROM NOVEMBER 1968 TO AUGUST 1970 WERE VASCULAR PLANTS MUD FLAT AND MARSH
 SURFACE ALGAE, AND PHYTOPLANKTON. OTHER PARAMETERS MEASURED WERE SALINITY,
 DISSOLVED OXYGEN, PLANT PIGMENT CONCENTRATION, TURBIDITY, PARTICULATE
 OXIDIZABLE CARBON CONTENT OF THE SEDIMENT, AND TIDAL CURRENT.
 NAME JAMES DURAN
 PHONE NUMBER 609 757 6145
 INSTITUTION OR AGENCY RUTGERS UNIVERSITY
 STREET BIOLOGY DEPARTMENT
 CITY CAMDEN
 STATE NEW JERSEY
 ZIP CODE 08102

FILE NAME PRIMARY PRODUCTION OF CHINCOTEAGUE BAY SALT MARSHES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELMARVA PENINSULA,
 CHINCOTEAGUE BAY
 ABSTRACT ONE TIME EVALUATION OF SALT MARSH VEGETATION IN
 VICINITY OF CHINCOTEAGUE BAY. SPECIES LISTS, ABUNDANCE, AND MAPPING OF MARSH
 TYPES FROM 20 SAMPLE SITES ALLOCATED TO 8 ZONES IN AREA. 0.25 SQ METER SAMPLES
 CLIPPED AND ANALYZED.
 NAME LIBRARIAN
 PHONE NUMBER 301 326 4261
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SCLCNCNS
 STATE MARYLAND
 ZIP CODE 20666

FILE NAME PRIMARY PRODUCTIVITY AND NITROGEN
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 NEW JERSEY, GREAT BAY AND MULLICA RIVER
 ABSTRACT 40 STATIONS LOCATED AT GREAT BAY AND MULLICA RIVER,
 NEW JERSEY WERE SAMPLED FROM JUNE 1957 TO THE PRESENT FOR CHLOROPHYLL A, B,
 AND C, NITRATE, NITRITE, AMMONIA, TOTAL ORGANIC NITROGEN, DISSOLVED ORGANIC
 NITROGEN, DISSOLVED ORGANIC CARBON, TOTAL PHOSPHORUS, DISSOLVED OXYGEN,
 PHOTOSYNTHETIC RATE, SALINITY, TEMPERATURE, SECCHI DISC DEPTH, COUNT AND
 SPECIES DETERMINATION OF ZOOPLANKTON
 NAME JAMES DURAND
 PHONE NUMBER 609 564 1766 X225
 INSTITUTION OR AGENCY RUTGERS UNIVERSITY
 STREET DEPARTMENT OF BIOLOGY, SCIENCE BUILDING
 CITY CAMDEN
 STATE NEW JERSEY
 ZIP CODE 08102

FILE NAME PRODUCTION AND DECAY OF MARSH ELDER (IVA
 FRUTESCENS)
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, VIRGINIA BEACH, LYNNHAVEN, ELIZABETH RIVER
 ABSTRACT SURVEY OF MARSHES IN LYNNHAVEN BAY AND ELIZABETH
 RIVER, VA. TO DETERMINE THE CONTRIBUTION BY THE MARSH ELDER, IVA FRUTESCENS,
 TO THE TOTAL PRODUCTIVITY OF THE MARSH
 NAME PALL KIRK
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME PRODUCTION AND DISTRIBUTION OF FISH EGGS AND LARVAE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND
 ABSTRACT A YEAR LONG STUDY OF THE PRODUCTION AND
 DISTRIBUTION OF FISH EGGS AND LARVAE IN THE CHESAPEAKE AND DELAWARE CANAL WAS
 CONDUCTED. STUDY COVERED HYDROGRAPHIC DATA AS WELL AS THE FECUNDITY OF SOME
 TWENTY SPECIES OF FISH.
 NAME ROBERT K. JENSEN
 PHONE NUMBER 301 454 6100
 INSTITUTION OR AGENCY UNIVERSITY OF MARYLAND
 STREET NATURAL RESOURCES INSTITUTE
 CITY COLLEGE PARK
 STATE MARYLAND
 ZIP CODE 20740

FILE NAME PRODUCTION AND DISTRIBUTION OF STRIPED BASS EGGS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND
 ABSTRACT A TWO YEAR STUDY OF THE PRODUCTION AND DISTRIBUTION
 OF STRIPED BASS EGGS IN THE CHESAPEAKE AND DELAWARE CANAL WAS CONDUCTED.
 PARAMETERS INCLUDE FECUNDITY, COUNTS AND IDENTIFICATION OF ADULTS CAPTURED.
 NAME ROBERT K. JENSEN
 PHONE NUMBER 301 454 6100
 INSTITUTION OR AGENCY UNIVERSITY OF MARYLAND
 STREET NATURAL RESOURCES INSTITUTE
 CITY COLLEGE PARK
 STATE MARYLAND
 ZIP CODE 20740

FILE NAME PRODUCTIVITY RESPONSES OF TWO DELAWARE TIDAL RIVERS
 TO ENRICHMENT WITH AMMONIUM AND INORGANIC PHOSPHORUS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, BROCKKILL
 FIVER, MURKILL RIVER
 ABSTRACT TWO BY TWO FACTORIAL ENRICHMENT EXPERIMENTS WERE
 CONDUCTED ON WATER SAMPLES FROM TWO DELAWARE TIDAL RIVERS OVER A NINE MONTH
 PERIOD. UNDER ARTIFICIAL CONDITIONS AMMONIUM CHLORIDE (200 AND 100 $\mu\text{g-AT/L}$)
 AND POTASSIUM PHOSPHATE (200 AND 20 $\mu\text{g-AT/L}$) TREATMENTS PRODUCED A VARIETY OF
 RESPONSES OF RADIOACTIVE CARBON UPTAKE RATES. MOST FREQUENTLY (40 OF 58
 SERIES) NO SIGNIFICANT EFFECT ON PRIMARY PRODUCTIVITY RATES WAS OBSERVED.
 INTERACTION OF THE TREATMENTS OCCURRED IN ELEVEN OF THE EIGHTEEN EXPERIMENTS
 YIELDING SIGNIFICANTLY DIFFERENT RESPONSES. STIMULATION AND INHIBITION OF
 CARBON UPTAKE RESULTED WITH BOTH AMMONIUM AND PHOSPHATE ENRICHMENTS ON BOTH
 RIVERS. THE RESULTS CANNOT BE SATISFACTORILY EXPLAINED ON THE BASIS OF THE IN
 SITU NUTRIENT CONCENTRATIONS.
 NAME LIBRARIAN
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19958

FILE NAME PROGRESS REPORT FOR THE PERIOD JANUARY-DECEMBER 1970
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER
 ABSTRACT DATA FROM FIN FISH SAMPLING BY TRAWL SEINE AND GILL
 NET IN THE VICINITY OF ARTIFICIAL ISLAND IN THE DELAWARE RIVER IS PRESENTED IN
 AN ANNUAL REPORT FOR THE YEAR 1970. THE PRIMARY PURPOSE OF THE STUDY IS TO
 PRESENT AN ACCURATE BASELINE AGAINST WHICH FINDINGS SUBSEQUENT TO OPERATION OF
 THE SALEM NUCLEAR GENERATING STATION.

NAME VICTOR J. SCHLLER
 PHONE NUMBER 609 646 8366
 INSTITUTION OR AGENCY ICHTHYOLOGICAL ASSOCIATES
 STREET BOX 35 RD 2
 CITY MIDDLETOWN
 STATE DELAWARE
 ZIP CODE 19709

FILE NAME QUALITATIVE SURVEY OF SUBMERGENT VEGETATION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 EASTERN SHORE, MARYLAND
 ABSTRACT EXTENSIVE SURVEY OF SUBMERGED ROOTED AQUATIC
 PLANTS, QUALITATIVE RANKED ABUNDANCE, RELATE TO FORAGE FOR MIGRANT WATERFOWL.
 OVER 1000 STATIONS, 1 VISIT, 4 REPLICATES PER STATION, 3 DEPTH STRATA, DATA ON
 12 SPECIES OF ROOTED AQUATIC PLANTS PLUS SEVERAL GENERA OF ALGAE.

NAME VERNON STOTTS
 PHONE NUMBER 301-267 5195
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAMES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME QUALITY MOSQUITO CONTROL ON CORDGRASS SALT MARSHES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, SEAVILLE STUDY AREA
 ABSTRACT THIS STUDY LOOKS AT MOSQUITO CONTROL MEASURES IN
 THE SALT MARSH. THIS INCLUDES SOIL DISPOSAL, DITCHING, AND POND ALTERATION
 EFFECTS ON THE FAUNA AND FLORA.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME QUALITY OF SURFACE AND SUBSURFACE WATERS OF THE
 GENERAL GEOGRAPHIC AREA PENNSBURY TRACT, LOWER BUCKS COUNTY, PENNSYLVANIA
 NORTH AMERICA, U.S., PENNSYLVANIA, LOWER BUCKS
 COUNTY
 ABSTRACT IN LATE 1973 150 WATER SAMPLES WERE COLLECTED FROM
 15 STATIONS, SAMPLES WERE TAKEN AT ONE FOOT INTERVALS FROM THE WATER SURFACE
 TO THE BOTTOM. EACH SAMPLE WAS ANALYZED FOR TEMPERATURE, SALINITY,
 CONDUCTIVITY, PH, AND DISSOLVED OXYGEN. SPOT CHECKS WERE MADE FOR HEAVY
 METALS, PESTICIDES, NUTRIENTS, COLOR, RESIDUES, PESTICIDES, BACTERIA AND CYANIDES.

NAME DR. JAMES A. SCHMID
 PHONE NUMBER 215 647 3110
 INSTITUTION OR AGENCY JACK MCCORMICK AND ASSOCIATES
 STREET 860 WATERLOO RD.
 CITY DEVON
 STATE PENNSYLVANIA
 ZIP CODE 19333

FILE NAME QUANTITATIVE LITHOFACIES ANALYSIS OF POTOMAC
 FORMATION, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTH CENTRAL DELAWARE
 ABSTRACT THE RESULTS OF A QUANTITATIVE LITHOFACIES ANALYSIS
 OF THE POTOMAC FORMATION IN A 26 SQUARE MILE AREA WEST OF DELAWARE CITY,
 DELAWARE ARE PRESENTED IN REPORT FROM THE STUDY WAS UNDERTAKEN IN ORDER TO
 DETERMINE THE LITHOLOGIC VARIABILITY OF THE POTOMAC SEDIMENTS, THEIR GENESIS,
 ENVIRONMENTS OF DEPOSITION AND THE GEOMETRY OF SAND BODIES CONTAINED IN THESE
 DEPOSITS. THE DATA USED IN THE QUANTITATIVE ANALYSIS WERE OBTAINED FROM THE
 ELECTRIC LOGS OF 25 WELLS LOCATED IN THE STUDY AREA.

NAME AEMAD SFELJARIC
 PHONE NUMBER 302 736 2633
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME CLINBY HARBOR, VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, QUINBY
 HARBOR
 ABSTRACT MISSION W106, FLIGHT 03, WAS ACCOMPLISHED ON
 FEBRUARY 1, 1972, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED
 WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE
 ACCOMACK-NORTHAMPTON PLANNING DISTRICT COMMISSION. THE OBJECTIVE OF THE FLIGHT
 WAS TO OBTAIN LARGE SCALE COLOR IR IMAGERY OF THE QUINBY HARBOR AREA FOR USE
 IN FORMULATING LOCAL PLANNING POLICIES.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME R AND M ESTATES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 LONG ISLAND, SUFFOLK COUNTY, R AND M ESTATES
 ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
 OF R AND M ESTATES MARSH LANDS WERE CONDUCTED AT 15 STATIONS FROM MAY 1973 TO
 DECEMBER 1973.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 METER PARKWAY
 CITY HALPPALGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME R AND M ESTATES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 LONG ISLAND, SUFFOLK COUNTY, R AND M ESTATES
 ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
 OF R AND M ESTATES MARSH LANDS WERE CONDUCTED AT 41 STATIONS FROM MAY 1972 TO
 DECEMBER 1972.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 METER PARKWAY
 CITY HALPPALGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME R/V DAN MCGRE STATION LOG DATA PRINTOUTS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., COASTAL, NORTH
 CAROLINA, VIRGINIA
 ABSTRACT INFORMATION AND DESCRIPTIONS OF ALL STATIONS
 NAME R/V DAN MCGRE STATION LOG DATA INCLUDING PHYSICAL
 PHONE NUMBER B F McLLAND JR AND ALLYN E POWELL
 919-726-7021 X237
 INSTITUTION OR AGENCY NORTH CAROLINA, DIVISION OF COMMERCIAL AND SPORTS
 FISHERIES
 STREET P O BOX 769
 CITY MCFEHEAD CITY
 STATE NORTH CAROLINA
 ZIP CODE 28557

FILE NAME R/V ROBERT CONRAD, CRUISE 10 - MCG01015010 - CORE
 DESCRIPTION (GEOLOGY) WORLDWIDE
 GENERAL GEOGRAPHIC AREA DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 ABSTRACT PISTON CORES COLLECTED ABOARD THE R/V ROBERT CONRAD, CRUISE 10 BY COLUMBIA
 UNIVERSITY'S LAPONT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO
 INCLUDE: LATITUDE, LONGITUDE, CORRECTED DEPTH, P.C.R. DEPTH, DATE TAKEN, DATE
 OPENED FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED
 PALEONTOLOGY, MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6338
 INSTITUTION OR AGENCY NATIONAL GEOGRAPHICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE 6621, NCAA/ECS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V ROBERT CONRAD, CRUISE 11 - MGG01015011 - CORE
 DESCRIPTION (GEOLOGY)
 GENERAL GEOGRAPHIC AREA WORLDWIDE
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V ROBERT CONRAD, CRUISE 11 BY COLUMBIA
 UNIVERSITY'S LAMONT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO
 INCLUDE: LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE
 OPENED FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED
 PALEONTOLOGY, MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6338
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE 0621, NOAA/EDS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V ROBERT CONRAD, CRUISE 16-MGG01015016-CORE
 DESCRIPTION (GEOLOGY)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, SOUTH ATLANTIC OCEAN
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V ROBERT CONRAD, CRUISE 16 BY COLUMBIA
 UNIVERSITY'S LAMONT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO
 INCLUDE: LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE
 OPENED FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED
 PALEONTOLOGY, MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6338
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE 0621, NOAA/EDS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V ROBERT CONRAD, CRUISE 9 - MGG01015009 - CORE
 DESCRIPTION (GEOLOGY)
 GENERAL GEOGRAPHIC AREA WORLDWIDE
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V ROBERT CONRAD, CRUISE 9 BY COLUMBIA
 UNIVERSITY'S LAMONT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO
 INCLUDE: LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE
 OPENED FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED
 PALEONTOLOGY, MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6338
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE 0621, NOAA/EDS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 11 - MGG01035011 - CORE
 DESCRIPTION (GEOLOGY)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S.
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 11 BY COLUMBIA UNIVERSITY'S
 LAMONT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6338
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE 0621, NOAA/EDS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 13 - MGG01C35013 -CORE
 DESCRIPTION(GEOLGY) NORTH ATLANTIC OCEAN, COASTAL, U.S.
 GENERAL GEOGRAPHIC AREA DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 ABSTRACT PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 13 BY COLUMBIA UNIVERSITY'S
 LAMONT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6336
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE D621, NOAA/ECS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 15 - MGG01C35015 -CORE
 DESCRIPTION(GEOLGY) NORTH ATLANTIC OCEAN, SOUTH ATLANTIC OCEAN, SOUTH
 GENERAL GEOGRAPHIC AREA PACIFIC OCEAN
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 15 BY COLUMBIA UNIVERSITY'S
 LAMONT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6336
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE D621, NOAA/ECS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 16 - MGG01C35016 -CORE
 DESCRIPTION(GEOLGY) WORLDWIDE
 GENERAL GEOGRAPHIC AREA
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 16 BY COLUMBIA UNIVERSITY'S
 LAMONT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6336
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE D621, NOAA/ECS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 18 - MGG01C35018 -CORE
 DESCRIPTIONS(GEOLGY) WORLDWIDE
 GENERAL GEOGRAPHIC AREA
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 18 BY COLUMBIA UNIVERSITY'S
 LAMONT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6336
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE D621, NOAA/ECS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 19 - MGG01035019 -CORE
 DESCRIPTION(GEOLOGY) WORLDWIDE
 GENERAL GEOGRAPHIC AREA DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 ABSTRACT PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 19 BY COLUMBIA UNIVERSITY'S
 LAMONT-COHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6336
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE D621, NCAA/EDS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 20 - MGG01035020 -CORE
 DESCRIPTION(GEOLOGY) WORLDWIDE
 GENERAL GEOGRAPHIC AREA DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 ABSTRACT PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 20 BY COLUMBIA UNIVERSITY'S
 LAMONT-COHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6336
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE D621, NCAA/EDS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 21 - MGG01035021 -CORE
 DESCRIPTION(GEOLOGY) NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, SOUTH
 GENERAL GEOGRAPHIC AREA PACIFIC OCEAN
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 21 BY COLUMBIA UNIVERSITY'S
 LAMONT-COHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6336
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE D621, NCAA/EDS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 22 - MGG01035022 -CORE
 DESCRIPTION(GEOLOGY) NORTH ATLANTIC OCEAN, SOUTH ATLANTIC OCEAN
 GENERAL GEOGRAPHIC AREA SOUTH ATLANTIC OCEAN
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 22 BY COLUMBIA UNIVERSITY'S
 LAMONT-COHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6336
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE D621, NCAA/EDS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 23 - MGG01035023 -CCRE
 DESCRIPTION(GEOLGY)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 23 BY COLUMBIA UNIVERSITY'S
 LANOIT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6338
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE 0621, NCAA/EDS
 CITY BOLLDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 24 - MGG01035024 -CORE
 DESCRIPTION(GEOLGY)
 GENERAL GEOGRAPHIC AREA WORLDWIDE
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 24 BY COLUMBIA UNIVERSITY'S
 LANOIT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6338
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE 0621, NCAA/EDS
 CITY BOLLDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 26 - MGG01035026 -CCRE
 DESCRIPTION(GEOLGY)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, SOUTH ATLANTIC OCEAN
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 26 BY COLUMBIA UNIVERSITY'S
 LANOIT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6338
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE 0621, NCAA/EDS
 CITY BOLLDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 3-MGG01035003-CORE DESCRIPTION
 (GEOLGY)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, GULF OF MEXICO, CARIBBEAN,
 COASTAL, U.S.
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 3 BY COLUMBIA UNIVERSITY'S
 LANOIT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 499 1000 X6338
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE 0621, NCAA/EDS
 CITY BOLLDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 4-MGG01C35004-CORE DESCRIPTION
 (GEOLOGY)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 4 BY COLUMBIA UNIVERSITY'S
 LAMONT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED,
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 495 1000 X633E
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE E621, NOAA/EDS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME R/V VEMA, CRUISE 7-MGG01C35007-CORE DESCRIPTION
 (GEOLOGY)
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., GULF OF MEXICO
 ABSTRACT DETAILED MEGASCOPIC SEDIMENT DESCRIPTIONS OF SPLIT
 PISTON CORES COLLECTED ABOARD THE R/V VEMA, CRUISE 7 BY COLUMBIA UNIVERSITY'S
 LAMONT-DOHERTY GEOLOGICAL OBSERVATORY. PARAMETERS REPORTED ALSO INCLUDE:
 LATITUDE, LONGITUDE, CORRECTED DEPTH, P.D.R. DEPTH, DATE TAKEN, DATE OPENED,
 FLOW-IN, AND CORE LENGTH, AS WELL AS MICROSCOPICALLY ESTIMATED PALEONTOLOGY,
 MINERALOGY, AND SEDIMENT SIZE.
 NAME MARINE GEOLOGY AND GEOPHYSICS GROUP
 PHONE NUMBER 303 49 1000 X633E
 INSTITUTION OR AGENCY NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA
 CENTER
 STREET CODE E621, NOAA/EDS
 CITY BOULDER
 STATE COLORADO
 ZIP CODE 80302

FILE NAME RADAR IMAGERY OF CHESTER RIVER
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 MARYLAND, CHESTER RIVER
 ABSTRACT WESTINGHOUSE AIRFURNE SIDE-LOCKING RADAR SYSTEM
 USED TO GATHER GEOGRAPHIC AND GEOLOGICAL INFORMATION ON CHESTER RIVER REGION.
 RADAR IMAGERY, RENDERED IN FORM OF MAP, USED TO SUPPLEMENT OTHER TECHNIQUES
 SUCH AS AERIAL PHOTOGRAPHY AND FIELD SURVEYS. FLIGHT MADE FEB. 1972, 20000 FT.
 WITH DC-6 AIRCRAFT.
 NAME HAROLD PALMER
 PHONE NUMBER 301-765-1000
 INSTITUTION OR AGENCY WESTINGHOUSE ELECTRIC CORPORATION
 STREET OCEAN RESEARCH LABORATORY, BOX 1771
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21404

FILE NAME RAINFALL SAMPLING SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, NEW JERSEY, NEW YORK
 METROPOLITAN AREA, BRONX, MANHATTAN, CALDWELL, PORT CHESTER
 ABSTRACT THE PURPOSE OF THIS STUDY WAS TO MEASURE
 PRECIPITATION AMOUNT AND PH, SO AS TO ASSESS THE ACID RAIN PROBLEM IN THE NEW
 YORK METROPOLITAN AREA.
 NAME DR. ALAN I. NYTELKA
 PHONE NUMBER 212 582 0300
 INSTITUTION OR AGENCY INTERSTATE SANITATION COMMISSION
 STREET 10 COLUMBUS CIRCLE RM 1620
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10019

FILE NAME RARITAN BAY BENTHIC CENSUS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 RARITAN BAY, SANDY HOOK BAY, LOWER NEW YORK BAY
 ABSTRACT 80 STATIONS IN RARITAN BAY, SANDY HOOK BAY, LOWER
 NEW YORK BAY WERE SAMPLED FROM NOV. 1973 TO THE PRESENT FOR VARIOUS CHEMICAL,
 PHYSICAL, AND BIOLOGICAL PARAMETERS. THESE PARAMETERS INCLUDE TEMPERATURE,
 SALINITY, DISSOLVED OXYGEN, HEAVY METALS ANALYSIS, COUNT AND SPECIES
 DETERMINATION OF BENTHIC ANIMALS AND MICROBIOFA.
 NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 201 872 0200
 INSTITUTION OR AGENCY MIDDLE ATLANTIC COASTAL FISHERIES CENTER,
 DEPARTMENT OF COMMERCE
 STREET SANDY HOOK MARINE LABORATORY
 CITY HIGHLANDS
 STATE NEW JERSEY
 ZIP CODE 07732

FILE NAME RARITAN BAY BENTHIC CENSUS - AMBROSE CHANNEL
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. EIGHT,
 LOWER NEW YORK BAY
 ABSTRACT 16 STATIONS IN AMBROSE CHANNEL WERE SAMPLED FROM
 AUGUST 1972 TO JULY 1973 FOR VARIOUS CHEMICAL, PHYSICAL, AND BIOLOGICAL
 PARAMETERS. THESE PARAMETERS INCLUDE TEMPERATURE, SALINITY, DISSOLVED OXYGEN,
 HEAVY METALS ANALYSIS, COUNT AND SPECIES DETERMINATION OF BENTHIC ANIMALS AND
 MICROBIOTA.
 NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 201 872 0200
 INSTITUTION OR AGENCY MIDDLE ATLANTIC COASTAL FISHERIES CENTER,
 DEPARTMENT OF COMMERCE
 STREET SANDY HOOK MARINE LABORATORY
 CITY HIGHLANDS
 STATE NEW JERSEY
 ZIP CODE 07732

FILE NAME RARITAN BAY BENTHIC CENSUS - CONASKONK PT.
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. EIGHT,
 RARITAN BAY, CONASKONK PT.
 ABSTRACT 12 STATIONS IN RARITAN BAY WERE SAMPLED FROM APRIL
 1972 TO THE PRESENT FOR VARIOUS CHEMICAL, PHYSICAL, AND BIOLOGICAL PARAMETERS.
 THESE PARAMETERS INCLUDE TEMPERATURE, SALINITY, DISSOLVED OXYGEN, HEAVY METALS
 ANALYSIS, COUNT AND SPECIES DETERMINATION OF BENTHIC ANIMALS AND MICROBIOTA.
 NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 201 872 0200
 INSTITUTION OR AGENCY MIDDLE ATLANTIC COASTAL FISHERIES CENTER,
 DEPARTMENT OF COMMERCE
 STREET SANDY HOOK MARINE LABORATORY
 CITY HIGHLANDS
 STATE NEW JERSEY
 ZIP CODE 07732

FILE NAME RARITAN BAY BENTHIC CENSUS - SANDY HOOK BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. EIGHT,
 SANDY HOOK BAY
 ABSTRACT 15 STATIONS IN SANDY HOOK BAY FROM APRIL 1973 TO
 THE PRESENT WERE SAMPLED FOR VARIOUS CHEMICAL, PHYSICAL, AND BIOLOGICAL
 PARAMETERS. THESE PARAMETERS INCLUDE TEMPERATURE, SALINITY, DISSOLVED OXYGEN,
 HEAVY METALS ANALYSIS, COUNT AND SPECIES DETERMINATION OF BENTHIC ANIMALS AND
 MICROBIOTA.
 NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 201 872 0200
 INSTITUTION OR AGENCY MIDDLE ATLANTIC COASTAL FISHERIES CENTER,
 DEPARTMENT OF COMMERCE
 STREET SANDY HOOK MARINE LABORATORY
 CITY HIGHLANDS
 STATE NEW JERSEY
 ZIP CODE 07732

FILE NAME RARITAN BAY BENTHIC CENSUS - DREDGE HOLE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. EIGHT,
 LOWER NEW YORK BAY
 ABSTRACT 4 STATIONS IN LOWER NEW YORK BAY WERE SAMPLED FROM
 JULY 1972 TO JULY 1973 FOR VARIOUS CHEMICAL, PHYSICAL, AND BIOLOGICAL
 PARAMETERS. THESE PARAMETERS INCLUDE TEMPERATURE, SALINITY, DISSOLVED OXYGEN,
 HEAVY METALS ANALYSIS, COUNT AND SPECIES DETERMINATION OF BENTHIC ANIMALS AND
 MICROBIOTA.
 NAME DIRECTOR, MIDDLE ATLANTIC COASTAL FISHERIES CENTER
 PHONE NUMBER 201 872 0200
 INSTITUTION OR AGENCY MIDDLE ATLANTIC COASTAL FISHERIES CENTER,
 DEPARTMENT OF COMMERCE
 STREET SANDY HOOK MARINE LABORATORY
 CITY HIGHLANDS
 STATE NEW JERSEY
 ZIP CODE 07732

FILE NAME RARITAN BAY-SANDY HOOK BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW YORK
 EIGHT, RARITAN BAY, SANDY HOOK BAY
 ABSTRACT 15 STATIONS IN RARITAN AND SANDY HOOK BAYS WERE
 SAMPLED FROM JULY 1971 TO AUGUST 1971 FOR VARIOUS CHEMICAL, PHYSICAL, AND
 BIOLOGICAL PARAMETERS. SOME OF THESE INCLUDE TEMPERATURE, DISSOLVED OXYGEN,
 PH, TURBIDITY, ORTHOPHOSPHATE, NITRATE, NITRITE, HEAVY METALS, AND CHLOROPHYLL
 A. MEASUREMENTS WERE TAKEN OVER A TIDAL CYCLE AND WERE SPREAD OUT OVER SEVERAL
 WEEKS.
 NAME DR. ALAN I. MYTELKA
 PHONE NUMBER 212 562 0360
 INSTITUTION OR AGENCY INTERSTATE SANITATION COMMISSION
 STREET 10 COLUMBUS CIRCLE, RM 1620
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10019

FILE NAME RED CLAY CREEK SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, CHESTER COUNTY,
 DELAWARE, NEW CASTLE COUNTY, RED CLAY CREEK
 ABSTRACT THIS FILE CONTAINS THE WATER QUALITY AND POLLUTION
 SURVEY DATA TAKEN IN OCTOBER 1966 AT 4 STATIONS ALONG THE RED CLAY CREEK IN
 CHESTER COUNTY, PENNSYLVANIA AND NEW CASTLE COUNTY WATERSHED AREAS. THE DATA
 OF SURVEY TYPE, INCLUDES SINGLE TIME MEASUREMENT OF PH, TEMPERATURE,
 ALKALINITY, HARDNESS, CHLORIDE, NITRATE AS WELL AS, COUNT AND SPECIES
 DETERMINATION OF INSECTS, ALGAE, PROTOZOANS, AND INVERTEBRATES.
 NAME ROBERT STRUBLE
 PHONE NUMBER 215 656 0475
 INSTITUTION OR AGENCY BRANCY WINE VALLEY ASSOCIATION INCORPORATED
 STREET 409 FARMERS AND MECHANICS BUILDING
 CITY WEST CHESTER
 STATE PENNSYLVANIA
 ZIP CODE 19380

FILE NAME REFERENCE MUSEUM COLLECTION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA,
 ESTUARINE, SHELF, SLOPE
 ABSTRACT 25 YEARS OF COLLECTIONS OF BIOLOGICAL SPECIMENS
 FROM CAROLINA WATERS, ESTUARINE, SHELF, AND SLOPE. SPECIMENS COLLECTED AT EACH
 STATION ARE MARKED WITH A LOT NUMBER.
 NAME W. KIRBY-SMITH
 PHONE NUMBER 919 728 2111
 INSTITUTION OR AGENCY DUKE UNIVERSITY MARINE LABORATORY
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME REGIONAL INVENTORY OF WATER SUPPLY FACILITIES AND
 MAJOR WELL OWNERS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NINE COUNTIES IN THE
 DELAWARE VALLEY OF PENNSYLVANIA AND NEW JERSEY
 ABSTRACT THIS FILE CONTAINS INVENTORY DATA ON EACH METHOD OF
 WATER SUPPLY AND ON ALL WELLS IN THE DELAWARE VALLEY REGION. DATA ON PEAK AND
 AVERAGE WATER USAGE, CAPACITY OF WELLS, AQUIFER LOCATIONS AND USAGE, AND
 SERVICE AREA HAVE BEEN COLLECTED. THE COUNTIES UNDER STUDY IN NEW JERSEY ARE
 GLoucester, CAMDEN, BURLINGTON AND MERCER AND IN PENNSYLVANIA ARE BUCKS,
 DELAWARE, PHILADELPHIA, MONTGOMERY, AND CHESTER. THIS FILE INCLUDES DATA
 COMPILED FROM VARIOUS SOURCES BUT USES THIS INFORMATION TO ARRIVE AT NEW DATA
 USED TO PREPARE REGIONAL MAPS.
 NAME MICHAEL WELFE
 PHONE NUMBER 215 567 3000
 INSTITUTION OR AGENCY DELAWARE VALLEY REGIONAL PLANNING COMMISSION
 STREET 1815 JFK BOULEVARD
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19102

FILE NAME REGIONAL PHENOLOGICAL STUDIES WITH PERSIAN LILAC
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, EASTERN CANADA, NORTHEASTERN AND
 NORTH CENTRAL U.S., NEW YORK, GREAT LAKES, LAKE ONTARIO, N.Y. EIGHT
 ABSTRACT OBSERVATIONS OF LILAC PLANTS AS SPECIAL, HIGHLY
 SENSITIVE METEOROLOGICAL INSTRUMENTS THAT INTEGRATE THE COMPOSITE EFFECT OF
 WEATHER FACTORS SUCH AS TEMPERATURE RAINFALL, HUMIDITY, WIND, AND SUNSHINE IN
 THEIR GROWTH RESPONSE.
 NAME DR. M.T. VITTON
 PHONE NUMBER 315 767 2217
 INSTITUTION OR AGENCY NEW YORK STATE, AGRICULTURAL EXPERIMENTATION STATION
 CITY GENEVA
 STATE NEW YORK
 ZIP CODE 14456

FILE NAME REGIONAL WATER POLLUTION CONTROL PLAN FOR 1985
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, NEW JERSEY,
 DELAWARE RIVER VALLEY
 ABSTRACT THIS FILE CONTAINS THE REGIONAL WATER POLLUTION
 CONTROL DATA FOR THE DELAWARE VALLEY. THIS DATA FILE BEGAN IN 1968, IS UPDATED
 EVERY 5 YEARS FOR THE PURPOSE OF FACILITATING AND AIDING IN COMPREHENSIVE
 PLANNING FOR URBAN DEVELOPMENT TOWARD THE YEAR 1985. THE DATA INCLUDING WATER
 TRANSPORT ALONG MAJOR STREAMS, AND AREA OF DRAINAGE IS TAKEN USING CONVENTIONAL
 FLOW METERS AND INTERPRETATIONS OF OVERLAPPING AERIAL PHOTOGRAPHY OF THE 9
 COUNTY DELAWARE VALLEY REGIONS IN NEW JERSEY AND PENNSYLVANIA. THE DATA IS
 USED TO GENERATE A REGIONAL MAP.

NAME MIKE WELFE
 PHONE NUMBER 215 567 3000
 INSTITUTION OR AGENCY DELAWARE VALLEY REGIONAL PLANNING COMMISSION
 STREET 1819 JFK BOULEVARD PENN TOWERS
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19103

FILE NAME REHOBETH BAY AND INDIAN RIVER BAY WETLANDS STUDY
 DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE
 ABSTRACT MISSION W244, FLIGHT C1, WAS ACCOMPLISHED ON
 OCTOBER 15, 1973, UTILIZING THE WOLLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED
 WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE COLLEGE OF MARINE
 STUDIES OF THE UNIVERSITY OF DELAWARE. THE OBJECTIVE OF THE FLIGHT WAS TO
 OBTAIN COLOR AND FALSE COLOR INFRARED PHOTOGRAPHY OF THE DELAWARE WETLANDS
 SURROUNDING REHOBETH AND INDIAN RIVER BAYS. THIS IMAGERY WILL BE USED IN
 MAPPING SPECIES, LOCATION AND EXTENT OF WETLAND VEGETATION IN THESE BAY AREAS.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLACE ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME RELATIVE GROWTH, REPRODUCTION AND DISTRIBUTION OF
 THE ROCK CRAB, CANCER IRROCRATUS, IN CHESAPEAKE BAY DURING THE WINTER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, LOWER CHESAPEAKE BAY
 ABSTRACT ROCK CRABS, CANCER IRROCRATUS, WERE COLLECTED IN
 CHESAPEAKE BAY FROM COMMERCIAL ELLE CRAB DREDGE BOATS BETWEEN 1 DECEMBER 1970
 AND 28 APRIL 1971 TO STUDY DISTRIBUTION AND ABUNDANCE, MIGRATORY PATTERNS,
 SIZE DISTRIBUTIONS AND GROWTH, SIZE AT SEXUAL MATURITY, SEASON OF MELTING AND
 REPRODUCTIVE BIOLOGY.

NAME LIBRARIAN
 PHONE NUMBER 804 642 2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME REMOTE MONITORS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW YORK
 ABSTRACT EIGHT, NEW YORK METROPOLITAN AREA
 8 STATIONS IN THE NEW YORK METROPOLITAN AREA WERE
 SAMPLED FROM JANUARY 1967 TO THE PRESENT FOR PH, DISSOLVED OXYGEN,
 TEMPERATURE, AND ELECTRICAL CONDUCTIVITY.

NAME DR. ALAN I. MYTELKA
 PHONE NUMBER 212 582 0380
 INSTITUTION OR AGENCY INTERSTATE SANITATION COMMISSION
 STREET 10 COLUMBUS CIRCLE, RM 162C
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10015

FILE NAME REMOTE SENSING OF OIL SLICKS
 GENERAL GEOGRAPHIC AREA U.S. COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF OFF
 VIRGINIA, CHESAPEAKE BAY, YORK RIVER, VA
 ABSTRACT INTERPRETATION AND ANALYSIS OF REMOTE SENSING BY
 VARIABLE WAVELENGTH PHOTOGRAPHY OF OIL SPILLS FROM THE WOLLOPS STATION.
 REPORT INCLUDES TYPE OF OIL SPILLED, OIL TEMP, ESTIMATED THICKNESS OF OIL AND
 RATE OF OIL SLICK SPREADING.

NAME FAYDEN GORDON
 PHONE NUMBER 804-642-2111 X57
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME REPORT ON OCEAN POLLUTION CAUSES AND REMEDIES IN
 THE ATLANTIC COASTAL AREA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, NEW YORK, NEW JERSEY
 ABSTRACT THIS REPORT GIVES AN OVERVIEW OF THE FISHKILL AND
 ANOTIC CONDITIONS OFF THE NEW JERSEY COAST DURING SUMMER, 1976. THE DATA
 CONTAINED WITHIN INCLUDES: 1) A CHART SHOWING AVERAGE CONCENTRATIONS OF LEAD
 IN THE SEDIMENTS OF THE NEW YORK BIGHT AREA, AND 2) EFFLUENT DATA FOR 52
 COASTAL MUNICIPALITIES.

NAME SENIOR ENVIRONMENTAL SPECIALIST
 PHONE NUMBER 609 252 1576
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER RESOURCES, BUREAU OF WATER QUALITY PLANNING AND MANAGEMENT
 STREET P.O. BOX 2809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME REPRODUCTIVE BIOLOGY, BEHAVIOR AND POPULATION
 DYNAMICS OF BLACK SEA BASS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., MID-ATLANTIC BIGHT, COASTAL
 ABSTRACT EXTENSIVE DATA FILE ON CENTROPRISTIS STRIATA FROM
 NEW YORK TO SOUTH CAROLINA INCORPORATING BIOLOGY OF REPRODUCTION, AGE-GROWTH,
 AND FEEDING HABITS. HYDROGRAPHIC DATA TAKEN AT EACH STATION. STUDY IS THE
 BASIS OF DOCTORAL RESEARCH PROGRAM. TOPIC OF SEX REVERSAL OR SEXUAL LABILITY
 OF THE SPECIES TO BE EVALUATED IN FIELD AND LABORATORY.

NAME LINDA P. MERCER
 PHONE NUMBER 804 642 2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME RESERVOIR RELEASE DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER BASIN
 ABSTRACT BIWEEKLY IDENTIFICATION AND COUNT OF FISH CAUGHT IN
 THE WEST BRANCH, EAST BRANCH, AND UPPER DELAWARE RIVERS. DATA INCLUDES
 TEMPERATURE AND CURRENT OBSERVATIONS.

NAME JOSEPH P. MILLER
 PHONE NUMBER 609 357 0115
 INSTITUTION OR AGENCY DELAWARE RIVER BASIN ANADROMOUS FISHERIES STUDY
 STREET P.O. BOX 95
 CITY ROSELAND
 STATE NEW JERSEY
 ZIP CODE 08526

FILE NAME RESIDENT SPECIES OF ESTUARINE FINFISH
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND
 ABSTRACT LONG-TERM SEINE SURVEY IN MARYLAND TRIBUTARIES TO
 CHESAPEAKE BAY. MONITORING OF YEAR CLASS STRENGTH, SPECIES COMPOSITION, AND
 SEASONALITY OF FISHES. CONSISTENT DATA FILE FOR WHOLE PROJECT PERIOD IN
 PCTOMAC, CHOPTANK, NANTICOKKE, SUSQUEHANNA, WICOMICO, SASSAFRAS, ELK,
 NORTHEAST, AND BOHEMIA RIVERS. OTHER RIVERS INCLUDED BUT NOT FOR THE ENTIRE
 TIME FRAME WERE CHESTER, PATUXENT, MARCKIN, BIG ANNESSEX, POCOMOKE,
 BLACKWATER, TRANSLAKING, CHICAMACONICO, MILES, SOUTH, MAGOTHY, PATAPSCO,
 BACK, AND MIDDLE RIVERS.

NAME JOSEPH ECCOE
 PHONE NUMBER 301-267-5785
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAKES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME RESOURCE INVENTORY AND ENVIRONMENTAL PLAN
 RECOMMENDATIONS FOR THE TOWNSHIP OF WEST WINDSOR, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, MERCER COUNTY,
 WEST WINDSOR TOWNSHIP
 ABSTRACT THIS STUDY WAS PART OF A NATURAL RESOURCE INVENTORY
 FOR THE TOWNSHIP OF WEST WINDSOR, NEW JERSEY PURSUANT TO DEVELOPMENT OF AN
 ENVIRONMENTAL DEVELOPMENT PLAN. THE PARAMETERS SURVEYED DURING 1973 INCLUDED
 STREAM DISCHARGE AND DRAINAGE OF 5 TOWNSHIP STREAMS TAXONOMIC LISTING OF
 PLANTS PRESENT, AND QUALITATIVE SPECIES COUNTS OF BIRDS, AMPHIBIANS, AND
 REPTILES.

NAME JACK MC CORMICK
 PHONE NUMBER 215 647 9000
 INSTITUTION OR AGENCY JACK MC CORMICK AND ASSOCIATES, INC.
 STREET 511 OLD LANCASTER PA
 CITY BERRYVALE
 STATE PENNSYLVANIA
 ZIP CODE 19312

FILE NAME RESTORATION OF SHAD RUNS IN THE BRANCY WINE CREEK
AND ITS TRIBUTARIES
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTHERN DELAWARE,
SOUTHEASTERN PENNSYLVANIA
ABSTRACT DATA COLLECTED DURING A STUDY WHICH HAS BEEN
CARRIED OUT FROM 1967 TO THE PRESENT ON THE FEASIBILITY OF RESTORATION OF SHAD
RUNS IN THE BRANCY WINE CREEK AND ITS TRIBUTARIES ARE PRESENTED IN REPORT FORM.
THE STUDY HAS INCLUDED AN AQUATIC BIOLOGY INVESTIGATION OF THE BENTHIC,
PLANKTONIC AND FISH POPULATIONS OF THE CREEK AND AN EVALUATION OF WATER
QUALITY PARAMETERS OF THE CREEK WATERS.
NAME STAFF-DIVISION OF FISH AND WILDLIFE
PHONE NUMBER 302 678 4431
INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
ENVIRONMENTAL CONTROL
STREET C STREET
CITY DEVER
STATE DELAWARE
ZIP CODE 19901

FILE NAME RESULTS OF VARIOUS HERBICIDE APPLICATIONS ON SWAMP
LOOSESTRIFE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, TUCKAHOE, TUCKAHOE
WILDLIFE MANAGEMENT AREA
ABSTRACT IN LOOKING AT MANAGEMENT CONTROL METHODS OF
UNDESIRABLE MARSH-TYPE PERENNIALS, FOUR TYPES OF CHEMICAL HERBICIDES WERE USED
IN VARIOUS DOSAGES TO CONTROL GROWTH AND OCCURRENCE OF SWAMP LOOSESTRIFE,
DECODON VERTICILLATUS, AT TUCKAHOE, NEW JERSEY. COUNTS OF STEMS OF LIVING
SWAMP LOOSESTRIFE WERE PERFORMED BEFORE AND AFTER TREATMENT OF PLOTS WITH
1,2,3,4,5 OR 7 GALLON DOSAGES OF CYTROL, AQUA-VEX, AQUATHOL-X, AND 2,4,5-T
COUNTS WERE PERFORMED ONE YEAR AFTER APPLICATION OF EACH HERBICIDE.
NAME PRINCIPAL FISHERIES BIOLOGIST
PHONE NUMBER 609 292 6686
INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
STREET P.O. BOX 1809
CITY TRENTON
STATE NEW JERSEY
ZIP CODE 08625

FILE NAME RHINOPTERICCLA MEGACANTHA GEN-ET SP.N. REPRESENTING
A NEW FAMILY OF TRYPAZOPOHYNCID CESTODES FROM THE COONCE BAY, RHINOPTERA
BONASUS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S. COASTAL, VIRGINIA, CHESAPEAKE
BAY
ABSTRACT RHINOPTERA MEGACANTHA GEN-ET SP.N. FROM THE SPIRAL
VALVE OF THE COONCE BAY, RHINOPTERA BONASUS TAKEN IN CHESAPEAKE BAY, VIRGINIA
DURING THE SUMMER OF 1967 IS DESCRIBED. PARAMETERS MEASURED INCLUDE: SPECIES
DETERMINATION OF DEMERSAL FISH AND PARASITES, CLAT OF DEMERSAL FISH AND
PARASITES, LENGTH OF PARASITES, MORPHOMETRIC MEASUREMENT OF PARASITES, AND
SAMPLE OF PARASITES. DATA WERE COLLECTED BY JUAN CARVAJAL AND DR. RONALD A.
CAMPELL OF SOUTHEASTERN MASSACHUSETTS UNIVERSITY, BIOLOGY DEPARTMENT, NORTH
DARTMOUTH, MASSACHUSETTS 02747 AND ARE AVAILABLE IN PUBLISHED FORM.
NAME DR. RONALD A. CAMPBELL
PHONE NUMBER 617 557 9321
INSTITUTION OR AGENCY SOUTHEASTERN MASSACHUSETTS UNIVERSITY
STREET OLD WESTPORT ROAD
CITY NORTH DARTMOUTH
STATE MASSACHUSETTS
ZIP CODE 02747

FILE NAME RIDGLEY WARFIELD CRUISES OF DELAWARE BAY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE BAY
ABSTRACT THE FILE CONSISTS OF THE DATA TAKEN DURING 3
MULTI-DAY CRUISES ON DELAWARE BAY SEPTEMBER 30-OCTOBER 5, 1974, JANUARY 6-14,
1975, AND APRIL 30-MAY 30, 1975. THE DATA TAKEN INCLUDES TEMPERATURE AND
SALINITY PROFILES, METEOROLOGICAL, ATMOSPHERIC AND SEA STATE DATA, CURRENT
DIRECTION AND VELOCITY DATA, NUTRIENT AND DISSOLVED OXYGEN LEVELS WERE ALSO
DETERMINED.
NAME STUART KLIPFERMAN
PHONE NUMBER 302 738 1212
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
STREET COLLEGE OF MARINE STUDIES
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME RIVER ASSESSMENT OF BOTTOM FISHES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND
 ABSTRACT DATA INCLUDES ALL FISH SURVEY WORK CONDUCTED BY
 CHESAPEAKE BIOLOGICAL LABORATORY SINCE DECEMBER 1960. DISCRETE PROJECT FILES
 ALSO CODED HERE. THIS IS A MASTER FILE FOR FISHES. COLLECTION DATA INCLUDES
 WATER CHEMISTRY, WEATHER OBSERVATIONS, FISH LISTS, ABUNDANCE, LENGTHS, WEIGHT,
 AND SEX RATIOS. RETRIEVABLE BY RIVER CODE, SPECIES, STATION, YEAR, OR DATE.

NAME DELG RITCHIE
 PHONE NUMBER 301 326 4281
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SOLCPMCS
 STATE MARYLAND
 ZIP CODE 20668

FILE NAME RIVER OTTER LIFE HISTORY SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, PIEDMONT AND COASTAL PLAIN, U.S.,
 MARYLAND
 ABSTRACT A STUDY TO DEVELOP CENSUS TECHNIQUES FOR THE RIVER
 OTTER USES BOTH LIVE TRAPPING AND CARCASSES FROM COMMERCIAL TRAPPERS. THE
 OBJECTIVE IS TO DETERMINE THE MAXIMUM SUSTAINABLE YIELD, HABITAT, AND
 BIOLOGICAL CONDITIONS OF THE OTTER FROM VARIOUS HABITATS AND UNDER VARIABLE
 STRESSES. THE STUDY INCLUDED HOME RANGE, DENSITY, HABITAT PREFERENCES, EFFECTS
 OF ACID MINE DRAINAGE AS IT OCCURRED, EFFICIENCY OF WORK EFFECT AND HARVEST.

NAME JAMES R. GOLDBERRY, DIRECTOR
 PHONE NUMBER 301 267 5155
 INSTITUTION OR AGENCY MARYLAND WILDLIFE ADMINISTRATION, DEPARTMENT OF
 NATURAL RESOURCES
 STREET TAKES STATE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME RIVER WATER TEMPERATURE SURVEY--HACKENSACK RIVER AND
 OVERPECK CREEK ADJACENT TO THE BERGEN GENERATING STATION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, BERGEN COUNTY
 ABSTRACT A SURVEY OF WATER TEMPERATURES IN THE HACKENSACK
 RIVER AND OVERPECK CREEK ADJACENT TO THE BERGEN GENERATING STATION, NEW JERSEY
 WAS CONDUCTED DURING AUGUST AND SEPTEMBER 1959 TO DETERMINE THE EFFECT OF THE
 HEATED CIRCULATING WATER DISCHARGE ON TEMPERATURES OF WATER FOR CONDENSING
 STEAM. SOLAR AND METEOROLOGICAL DATA WERE COLLECTED DAILY AT THE GENERATING
 STATION DURING THE STUDY.

NAME MECHANICAL DIVISION CHIEF
 PHONE NUMBER 201 621 6800
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY, ENERGY
 LABORATORY
 STREET 200 EGDEN AVENUE
 CITY MAPLEWOOD
 STATE NEW JERSEY
 ZIP CODE 07040

FILE NAME RIVERHEAD SEWAGE TREATMENT PLANT DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y., BIGHT,
 LONG ISLAND, SUFFOLK COUNTY, RIVERHEAD
 ABSTRACT 1 STATION IN A SEWAGE TREATMENT PLANT LOCATED AT
 RIVERHEAD WAS SAMPLED FROM JANUARY 1970 TO THE PRESENT FOR WATER TRANSPORT,
 WATER TEMPERATURE, PH, PARTICULATE MATTER, BIOCHEMICAL OXYGEN DEMAND, TOTAL
 SOLIDS, TOTAL CHLORINE RESIDUAL, RAW SLUDGE (PERCENTAGE TOTAL SOLIDS),
 DIGESTED SLUDGE (PERCENTAGE VOLATILE SOLIDS), AND COLIFORMS.

NAME GORDEN J. WATT
 PHONE NUMBER 516 234 2622 X242
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL
 CONTROL, WATER POLLUTION CONTROL SECTION
 STREET 1324 MOTOR PARKWAY
 CITY HAUPPAUGE
 STATE NEW YORK
 ZIP CODE 11767

FILE NAME RECENT POPULATIONS IN THE CEDAR RUN STUDY AREA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, CEDAR RUN STUDY AREA
 ABSTRACT THIS REPORT DEALS WITH DETERMINING POPULATION OF RECENTS, MICROTETUS PENNSYLVANICUS, MUS MUSCULUS, AND ZAPA HUDSONIUS IN HABITING THE VEGETATIVE TYPES, SPARTINA ALTERNIFICRA, S. PATENS, IVA FRUTESCENS, AND DISTICHLIS SPICATA, IN THE CEDAR RUN STUDY AREA. TRAPPING EFFORT HAS BEEN EXPENDED IN SIX COVER TYPES THAT COLLECTIVELY COMPRISE APPROXIMATELY 80 PERCENT OF THE STUDY ACREAGE. THE RESPONSE FOR THE EXPERIMENT WAS CAPTURE SUCCESS, THE SQUARE ROOT OF CAPTURES DIVIDED BY 100 TRAPS NIGHTS PLUS 1; AN INDEX OF RELATIVE POPULATION SIZE.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6688
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME ROLE OF SEWAGE EFFLUENT AND HEAVY METALS INTO
 MARINE ECOSYSTEMS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA,
 CALICO CREEK
 ABSTRACT SURVEY OF THE EFFECTS OF SEWAGE EFFLUENTS AND HEAVY
 METALS ON AGRICULTURAL AND MARINE ECOSYSTEMS OF NORTH CAROLINA

NAME RICHARD BARBER
 PHONE NUMBER 919 728 2111
 INSTITUTION OR AGENCY DUKE UNIVERSITY MARINE LABORATORY
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME RV EASTWARD CRUISES PROGRESS REPORTS, NORFOLK
 CANYON STUDIES, CAPE HATTERAS BIOGEOGRAPHICAL STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF
 OFF VIRGINIA AND NORTH CAROLINA VIRGINIA
 ABSTRACT YEARLY SURVEY OF HYDROGRAPHIC PARAMETERS AND
 ZOOPLANKTON ON THE CONTINENTAL SHELF AND SLOPE OFF THE COAST OF NORTH CAROLINA
 AND VIRGINIA. SAMPLING DESIGNED TO STUDY THE BIOGEOGRAPHIC REGIONS AND FAUNAL
 BOUNDARY NORTH AND SOUTH OF CAPE HATTERAS AS WELL AS THE NORFOLK CANYON AREA.

NAME GEORGE GRANT
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME SALINITY-TEMPERATURE OBSERVATIONS OFF VIRGINIA
 BEACH, VIRGINIA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, VIRGINIA BEACH
 ABSTRACT CURRENT EDDY AND SALINITY-TEMPERATURE STUDY OFF
 VIRGINIA BEACH, VIRGINIA ON DATA SHEETS AVAILABLE FROM OLD DOMINION
 UNIVERSITY. ON GOING STUDY STARTED OCTOBER 1972.

NAME RONALD JOHNSON
 PHONE NUMBER 804-485-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME SALISBURY VEGETABLE RESEARCH FARM
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 MARYLAND, SALISBURY
 ABSTRACT MISSION W235, FLT. 1, JULY 26, 1973, WITH WALLCPS
 STATION BELL 204-B HELICOPTER EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN
 COOPERATION WITH VEGETABLE RES. FARM OF THE UNIV. OF MD. LOCATED AT SALISBURY,
 MD. OBJECTIVE - TO OBTAIN COLOR AND FALSE COLOR INFRARED IMAGERY OF PLANTINGS
 AT SALISBURY VEGETABLE RES. FARM. IMAGERY WILL BE USED BY PERSONNEL OF
 AGRICULTURAL, BOTANY, AND ENTOMOLOGY DEPTS. FOR STUDYING TEST BEDS OF
 STRESSED AND UNSTRESSED PLANTINGS UNDER CONTROLLED CONDITIONS. FLIGHT IN
 SLIGHTLY CLOUDY WEATHER, VISIBILITY 8-10 MILES, AIR TEMP. 18 DEG. C AT 500
 FT., MSL WITH WIND OF 15 TO 18 KNOTS FROM 225 DEG.

NAME PAUL ALFONSI
 PHONE NUMBER 804-424-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23357

FILE NAME SALT HAY IMPOUNDMENTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, CAPE MAY COUNTY,
 CUMBERLAND COUNTY AND SALEM COUNTY
 ABSTRACT COMPARISONS OF NUMBERS OF BIRDS USING SALT HAY
 IMPONDMENT AREAS AND TICAL INUNDATED SALT HAY AREAS WERE MADE BETWEEN EIGHT
 PLOTS. BIRDS WERE COUNTED BY DRIVING AROUND THE PERIMETER OF THE PLOTS AND
 COUNTING BIRDS WITH BINOCULARS AND A SPOTTING SCOPE. ALL COUNTS WERE MADE
 PRIOR TO NOON.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6666
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1805
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME SANDY HOOK BATHYMETRIC SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, SANDY HOOK
 ABSTRACT THE US NATIONAL PARK SERVICE RETAINED THIS FIRM TO
 CONDUCT A BATHYMETRIC SURVEY OFF THE SHORE OF SANDY HOOK NEW JERSEY, AS PER AN
 ORDER BY THE US ENVIRONMENTAL PROTECTION ADMINISTRATION (EPA). THE PURPOSE WAS
 TO UPDATE SEWER OUTLINE LINES NEAR SANDY HOOK.
 NAME PHILIP SEARS
 PHONE NUMBER 212 685 7350
 INSTITUTION OR AGENCY VAN HOUTEN ASSOCIATES, INC
 STREET 420 LEXINGTON AVENUE
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10017

FILE NAME SCENIC RESOURCES OF THE HUDSON RIVER BASIN
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, HUDSON RIVER BASIN
 ABSTRACT SURVEY OF 250 SCENIC SITES IN THE HUDSON RIVER
 BASIN WHICH HAVE BEEN IDENTIFIED BY FEDERAL, STATE AND LOCAL AGENCIES AS WELL
 AS PRIVATE GROUPS. IDENTIFIED AREAS OF POTENTIAL UTILITY BASED ON LAND USE AND
 TOPOGRAPHY. SITES MAPPED AT SCALE OF 1 TO 500000. LOCATION AND DESCRIPTION OF
 SITES. A MODEL TO EVALUATE OR COMPARE SITES IS DEVELOPED
 NAME DAVID B. HARPER
 PHONE NUMBER 315 473 8741
 INSTITUTION OR AGENCY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
 STREET 318 MARSHALL HALL
 CITY SYRACUSE
 STATE NEW YORK
 ZIP CODE 13210

FILE NAME SEA DUCK GROUND SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT SPECIES DETERMINATION AND COUNTS OF WATER FOWL HAVE
 BEEN MADE EACH FALL SINCE 1968, DURING AN EIGHT WEEK PERIOD FROM SEPTEMBER TO
 NOVEMBER. TWO STATIONS ARE MONITORED: ONE NEAR ASSATEAGUE ISLAND, MARYLAND AND
 ONE NEAR BLACK WALNUT POINT ON THE CHOCTANK RIVER, MARYLAND.
 NAME VERNON STGTTS
 PHONE NUMBER 301-267-5195
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAMES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME SEA DUCK SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND
 ABSTRACT AN AERIAL SURVEY IS CONDUCTED EACH FALL ALONG LINES
 1500 YARDS OFF SHORE OF MARYLAND'S CHESAPEAKE BAY, OCEAN BAYS, AND ATLANTIC
 OCEAN BORDERS TO DETERMINE THE TIMING AND LOCATION OF THE SOUTHWARD MIGRATION
 OF SEA DUCKS.
 NAME VERNON STGTTS
 PHONE NUMBER 301-267-5195
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAMES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME SEA NETTLE INVESTIGATIONS: POLYPS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTHERN CHESAPEAKE
 BAY AND MAJOR TRIBUTARIES
 ABSTRACT NORTHERN CHESAPEAKE BAY AND ITS MAJOR TRIBUTARIES
 TO 30 MILES UPSTREAM HAVE BEEN SAMPLED TWICE YEARLY, JUNE AND NOVEMBER, FOR
 JELLYFISH POLYPS.
 NAME DAVID G. CARGO
 PHONE NUMBER 301 326 4261
 INSTITUTION OR AGENCY CHESAPEAKE ECOLOGICAL LABORATORY
 STREET BOX 38
 CITY SELDMENS
 STATE MARYLAND
 ZIP CODE 20668

FILE NAME SEAL SIGHTING NETWORK: NEW HAMPSHIRE TO LONG ISLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL NEW HAMPSHIRE TO LONG ISLAND
 ABSTRACT DR. HOWARD E. WINN HAS BEEN COLLECTING SEAL SIGHTING NETWORK DATA FOR THAT PORTION OF THE EASTERN UNITED STATES COAST THAT STRETCHES FROM NEW HAMPSHIRE TO LONG ISLAND SINCE 1974. THE FILE CONSISTS OF DATA SHEETS SENT TO DR. WINN FROM VARIOUS SOURCES NOTING THE TIME, PLACE, SPECIES (WHEN KNOWN), COUNT AND OFTEN THE TIDAL PHASE. OTHER INFORMATION MAY BE NOTED, DEPENDING ON THE SOURCE.

NAME DR. HOWARD E. WINN
 PHONE NUMBER 401 752 6251
 INSTITUTION OR AGENCY UNIVERSITY OF RHODE ISLAND, GRADUATE SCHOOL OF OCEANOGRAPHY
 STREET NARRAGANSETT BAY CAMPUS
 CITY NARRAGANSETT
 STATE RHODE ISLAND
 ZIP CODE 02882

FILE NAME SEASONAL COMPOSITION OF PHYTOPLANKTON IN LOWER CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY TO CHESAPEAKE LIGHT
 ABSTRACT STUDY OF THE SEASONAL COMPOSITION OF PHYTOPLANKTON IN THE LOWER CHESAPEAKE BAY. COUNT, SPECIES DETERMINATION, TEMP AND SALINITY RECORDED--LOWER CHESAPEAKE BAY TO CHESAPEAKE LIGHT. AVAIL. AS OLD DOMINION UNIV. THESIS, 1973.

NAME HAROLD G. MARSHALL
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET DEPT OF BIOLOGICAL SCIENCES
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME SEASONAL ENERGY BUDGET OF DELAWARE COASTAL AND MARSH AREAS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE, LEWES, CAPE HENLOPEN, NEWARK
 ABSTRACT THIS DATA FILE, WHICH INCLUDES ONGOING DATA COLLECTION, CONTAINS SOLAR RADIATION, NET RADIATION, SOIL TEMPERATURE, SOIL HEAT FLUX, ALBEDO MEASUREMENT, WIND PROFILES, AND AIR TEMPERATURE INFORMATION PERIODICALLY AND SEASONALLY TAKEN OVER A 2 TO 3 YEAR PERIOD BEGINNING IN MARCH 1971 IN THE LEWES, DELAWARE MARSH, CAPE HENLOPEN BEACH, AND AT THE MORRIS LIBRARY ON THE UNIVERSITY OF DELAWARE CAMPUS AT NEWARK DELAWARE. THE SOLAR RADIATION DATA AS OF NOW IS STILL BEING TAKEN CONTINUOUSLY AT LEWES AND AT NEWARK. NOT ALL THE ABOVE PARAMETERS WERE ALWAYS MONITORED ALL THE TIME AT ALL THE STATIONS LISTED. SOME WERE TAKEN ON A CONTINUOUS BASIS WHILE OTHERS WERE TAKEN IRREGULARLY OR PERIODICALLY DEPENDING ON FIELD CONDITIONS, SEASON, ETC.

NAME RICHARD T. FIELD
 PHONE NUMBER 302 738 2294
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET DEPARTMENT OF GEOGRAPHY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SEASONAL POPULATION TRENDS AND SEDIMENT PREFERENCE OF THE ATLANTIC MUDCLAM, NUCULA PROXIMA, IN BREAKWATER HARBOR, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, DELAWARE BAY, BREAKWATER HARBOR
 ABSTRACT THIS PAPER EXAMINES SEASONAL TRENDS IN POPULATION DENSITY OF NUCULA PROXIMA AND DETERMINES THE RELATIONSHIP BETWEEN THE BIVALVE AND THE SEDIMENT IN WHICH IT IS FOUND. FINDINGS FROM SEASONAL SAMPLING INDICATE THAT THE INFLUENCE OF SEDIMENT ON LARVAL SETTING AND SURVIVAL WAS A PRIMARY FACTOR IN ADULT POPULATION DENSITIES.

NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SEASONAL SETTLING OF THE HYDROZOA AND THE
ECTOPROCTA IN REHOBOTH BAY, DELAWARE
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE, REHOBOTH BAY,
COASTAL
ABSTRACT THE SEASONAL AND SPATIAL DISTRIBUTION OF HYDROIDS
AND ECTOPROCTS ON PENCROSAFING LATHING STRIPS, NAILED TO PILINGS AT REHOBOTH
BAY MARINA, REHOBOTH BAY, DELAWARE, WAS STUDIED FROM 9 OCTOBER, 1967 THROUGH
15 NOVEMBER, 1968. THE SEASONS OF ATTACHMENT CORRESPOND WITH SEASONAL
TEMPERATURE CHANGES. THE DEGREE OF SETTLING ON THE COLLECTING STRIPS WAS
DETERMINED BY 1) THE TOTAL NUMBER OF COLONIES AND THEIR RESPECTIVE AREAS FOR
THE ENCRUSTING BRYOZOAN, AND 2) THE SIZE RANGE (SUM OF THE VERTICAL DISTANCES
OCCUPIED BY A SPECIES ON THE COLLECTING STRIP) AND THE DENSITY WITHIN THIS
RANGE, AS DETERMINED BY SUBSAMPLES TAKEN FROM AN AREA OF 4.13 CM², FOR THE
REMAINING ECTOPROCTS AND HYDROIDS. THE ENVIRONMENTAL FACTORS OF WAVE ACTION,
SUN EXPOSURE, ORIENTATION AND TRANSPARENCY WERE TAKEN INTO ACCOUNT IN THE
DESIGN OF THE EXPERIMENT.

NAME LIBRARIAN
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE MARINE STATION LIBRARY
CITY LEWES
STATE DELAWARE
ZIP CODE 19958

FILE NAME SEASONAL VARIATION IN THREE CARBOHYDRATE FRACTIONS
OF THE LEAVES OF ILEX OPACA AIT. CV. "MISS HELEN" AT THREE LIGHT REDUCTION
LEVELS, AND THEIR POSSIBLE RELATION TO FLOWERING AND FRUITING
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
AND SUSSEX COUNTY

ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
FIELD STUDIES CONDUCTED IN DELAWARE FROM 1971 TO 1973 ON THE SEASONAL
VARIATION IN CARBOHYDRATE FRACTIONS, SURFACE AREA AND WEIGHT OF LEAVES OF THE
AMERICAN HOLLY, ILEX OPACA, AT THREE LIGHT REDUCTION LEVELS. INCLUDED ARE THE
EFFECTS OF THREE LIGHT REDUCTION LEVELS ON BERRY WEIGHT, VOLUME AND
CARBOHYDRATE FRACTION CONCENTRATIONS. CHANGES IN TOTAL CARBOHYDRATE CONTENT
AND RELATIVE COMPOSITION OF SAMPLE TISSUE WITH RESPECT TO FIELD PRESERVATION
AND LABORATORY DRYING METHOD ARE GIVEN.

NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME SEDIMENT ANALYSIS OF LOWER CHESAPEAKE BAY
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
BAY, VIRGINIA
ABSTRACT SIZE ANALYSIS OF BOTTOM SEDIMENTS COLLECTED FROM
LOWER CHESAPEAKE BAY.

NAME PETER FLEISCHER
PHONE NUMBER 804-489-8000
INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
STREET INSTITUTE OF OCEANOGRAPHY
CITY NORFOLK
STATE VIRGINIA
ZIP CODE 23508

FILE NAME SEDIMENT ANALYSIS OF SPIT PLATFORM AT DEMOCRAT POINT
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
LONG ISLAND, FIRE ISLAND, DEMOCRAT POINT
ABSTRACT 20 STATIONS AT DEMOCRAT POINT WERE SAMPLED EACH
MONTH FROM APRIL 1971 TO AUGUST 1973 FOR SEDIMENT SIZE ANALYSIS AND STRUCTURE.

NAME DR. MANFRED WOLFF
PHONE NUMBER 516 261 6720
INSTITUTION OR AGENCY HCFSTRA UNIVERSITY
STREET 1000 FULTON AVE.
CITY HEMPSTEAD
STATE NEW YORK
ZIP CODE 11550

FILE NAME SEDIMENT ANALYSIS STATISTICS FILE
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S.,
COASTAL, HAWAII, CALIFORNIA, WASHINGTON, OREGON, GULF OF MEXICO, FLORIDA TO
NEW YORK

ABSTRACT DATA IS TAKEN BY FIELD SURVEYS BY C.E.R.C. FIELD
PARTIES, DISTRICT SURVEY PARTIES, OR UNDER CONTRACT BY COMMERCIAL FIRMS. THE
SAND SAMPLES ANALYZED ARE GRAVE SAMPLES TAKEN FROM BEACHES OR BOTTOM SURFACES,
SUSPENDED SAMPLES TAKEN FROM WATER, OR CORE SAMPLES OBTAINED FROM OFFSHORE OR
ONSHORE LOCATIONS. SIZE ANALYSIS ARE MADE BY MECHANICAL (HYDROLIC) MEASUREMENT
OF FALL VELOCITY. APPLICATIONS PROGRAMS APPLIED TO RAW DATA ARE: PLOT SEDIMENT
SIZE ANALYSIS GRAPH; EDIT, VERIFY, REFORMAT, LIST GEOLOGICAL SAMPLE
INFORMATION; RECLCE RAW DATA IN FORM OF A DIGITALIZED DECAY VS. TIME CURVE TO
A SEDIMENT SIZE FREQUENCY DISTRIBUTION AND COMPUTES STATISTICAL MOMENTS OF THE
DISTRIBUTION.

NAME GEOLOGY BRANCH
PHONE NUMBER 202 325 7049
INSTITUTION OR AGENCY DEPARTMENT OF THE ARMY, COASTAL ENGINEERING
RESEARCH CENTER
STREET KINGMAN BUILDING
CITY FORT BELVOIR
STATE VIRGINIA
ZIP CODE 22060

FILE NAME SEDIMENT AND ROCK SAMPLES (CORES, DITCHES AND CUTCRIPS)
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT GEOLOGICAL SEDIMENT AND ROCK SAMPLES, CORES, DITCHES, AND CUTCRIPS, ARE AVAILABLE FOR INSPECTION AND/OR ANALYSIS. WHILE THE MAJORITY OF SAMPLES COME FROM LOCALITIES IN DELAWARE, A NUMBER COME FROM THE SURROUNDING STATES OF VIRGINIA, MARYLAND, NEW JERSEY AND NEW YORK. INSTATE SAMPLES INCLUDE MARINE SEDIMENTS. SAMPLES HAVE BEEN CONTINUALLY ADDED TO THE LIBRARY SINCE 1954.

NAME DELAWARE GEOLOGICAL SURVEY STAFF
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SEDIMENT DISTRIBUTION IN SOUTHWESTERN DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY
 ABSTRACT SEDIMENT SAMPLES WERE OBTAINED BY USE OF BOTTOM DREDGE AND VIBRODREDGE. THEY WERE ANALYSED WITH THE OBJECTIVE OF DETERMINING THE PRESENT AERIAL AND VERTICAL DISTRIBUTION OF SEDIMENT TYPES IN A PORTION OF THE DELAWARE BAY AND TO EXAMINE THE SEDIMENTARY RECORD OF THE HOLOCENE MARINE TRANSGRESSION IN THIS AREA.

NAME LIBRARIAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY MORRIS LIBRARY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SEDIMENT DISTRIBUTION IN SOUTHWESTERN DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., SOUTHWESTERN DELAWARE BAY
 ABSTRACT SEDIMENT DATA FROM A SURVEY CARRIED OUT DURING 1970-1971 OF THE AERIAL AND VERTICAL DISTRIBUTION OF SEDIMENTS IN THE SOUTHWESTERN PORTION OF DELAWARE BAY ARE PRESENTED IN REPORT FORM. THE PURPOSE OF THE INVESTIGATION WAS TO EXAMINE THE SEDIMENTATION ROLE OF HOLOCENE MARINE TRANSGRESSION IN THIS AREA OF DELAWARE BAY. AERIAL SURFACE SEDIMENT SAMPLES WERE OBTAINED WITH A FREDERICK ANCHOR DREDGE; SEDIMENT CORES WERE TAKEN WITH HAND-DRIVEN PLASTIC PIPES, AN AUGER-TRUCK OR A VIBRO-DREDGE.

NAME RICHARD STRON
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SEDIMENT SAMPLES AND SIEVE ANALYSES FROM ATLANTIC CONTINENTAL SHELF AND SLOPE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, CONTINENTAL SHELF AND SLOPE, CAPE MAY NEW JERSEY TO WALLOPS ISLAND, VIRGINIA
 ABSTRACT APPROXIMATELY 100 SEDIMENT SAMPLES WERE COLLECTED BY A GRAB FROM THE CONTINENTAL SHELF AND CONTINENTAL SLOPE OF THE NORTH ATLANTIC BETWEEN CAPE MAY, NEW JERSEY AND WALLOPS ISLAND, VIRGINIA. SIEVE ANALYSES OF THE SAMPLES HAVE BEEN COMPLETED. BOTH SAMPLES AND ANALYSES ARE AVAILABLE FOR FURTHER STUDY.

NAME ALBERT N. WARD, JR.
 PHONE NUMBER 412 794 7304
 INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, SLIPPERY ROCK STATE COLLEGE
 CITY SLIPPERY ROCK
 STATE PENNSYLVANIA
 ZIP CODE 16057

FILE NAME SEDIMENT TRANSPORT IN THE SHALLOW OCEAN ZONE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, COASTAL, SOUTH SHORE OF LONG ISLAND AND NEW YORK BIGHT
 ABSTRACT A FACULTY MEMBER OF THE UNIVERSITY OF MASSACHUSETTS, AMHERST, IS STUDYING SEDIMENT TRANSPORT IN THE SHALLOW OCEAN ZONE ALONG THE SOUTH SHORE OF LONG ISLAND, NEW YORK. DATA ARE BEING COLLECTED REGARDING CURRENTS, WAVES, WINDS, TEMPERATURE, SALINITY, SEDIMENT TYPES AND BOTTOM CHARACTERISTICS. ONLY ARCHIVED DATA ARE AVAILABLE FOR INSPECTION.

NAME ALAN NIEDERDA
 PHONE NUMBER 413 545 0111
 INSTITUTION OR AGENCY UNIVERSITY OF MASSACHUSETTS
 CITY AMHERST
 STATE MASSACHUSETTS
 ZIP CODE 01002

FILE NAME SEDIMENTARY PROCESSES OF THE SOUTH SHORE OF LONG ISLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, LONG ISLAND, NEW YORK EIGHT, COASTAL
 ABSTRACT SEDIMENTARY PROCESSES OF THE SOUTHERN SHORE OF LONG ISLAND FROM NEW YORK HARBOR TO MONTAUK POINT ARE STUDIED. SEDIMENTARY STRUCTURES ARE OBSERVED USING EPOXY RELIEF PEELS. GRAIN SIZE ANALYSES AND HEAVY MINERAL DETERMINATIONS ARE ALSO STUDIED. THE STUDY CONSISTS OF 38 STATIONS AT WHICH CORES WERE TAKEN. IN ADDITION 30 BOX CORES AND 40 SHORT CORES (4 FEET) WERE COLLECTED, AS WELL AS 135 GRAB SAMPLES. THE STATIONS AT WHICH THE CORES WERE TAKEN ARE APPROXIMATELY 3 MILES OFFSHORE.
 NAME DR. JOHN E. SANDERS
 PHONE NUMBER 212 280 4312
 INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, BARNARD COLLEGE, COLUMBIA UNIVERSITY
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10027

FILE NAME SEDIMENTATION IN CHINCOTEAGUE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELMARVA PENINSULA, CHINCOTEAGUE BAY
 ABSTRACT SEDIMENT SURVEY OF CHINCOTEAGUE BAY AREA TO MAP BOTTOM TYPE. BASELINE DATA FOR NATIONAL SEASHORE PARK INCLUDES DATA FROM 91 GRAB SAMPLES
 NAME LIBRARIAN
 PHONE NUMBER 301 326 4281
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SOLOMONS
 STATE MARYLAND
 ZIP CODE 20688

FILE NAME SEDIMENTATION IN RARITAN RIVER AND RARITAN BAY AND RARITAN RIVER
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, NEW YORK
 ABSTRACT THE STUDY, UNDERTAKEN BY DESH SIKKA, AS A MASTERS PROJECT IN 1951 CONCERNED THE SEDIMENTOLOGY OF RARITAN RIVER AND RARITAN BAY. GRAIN SIZE ANALYSES, SILICON, TITANIUM AND FERRIC ION ANALYSES WERE DETERMINED. THE CHEMICAL ANALYSES WERE ONLY DETERMINED FOR 18 SAMPLES. ADDITIONAL CHEMICAL ANALYSES WERE DONE BY THE ARMY CORPS OF ENGINEERS. THE STUDY FOCUSED ON THE AREA 20 MILES LONG BELOW NEW BRUNSWICK FROM WHICH 30 CORES WERE COLLECTED.
 NAME DR. JAMES MELLET
 PHONE NUMBER 212 558 3466
 INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, NEW YORK UNIVERSITY
 STREET 1011 MAIN BUILDING, WASHINGTON SQUARE
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10003

FILE NAME SEDIMENTOLOGY IN THE MCRICHES INLET AREA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. EIGHT, LONG ISLAND, MCRICHES INLET, COASTAL
 ABSTRACT THE STUDY, UNDERTAKEN BY MICHAEL MACKENZIE, CONCERNED THE ENVIRONMENTS OF DEPOSITIONS OF AN OFFSHORE BARRIER SAND BAR SYSTEM AT MCRICHES INLET, LONG ISLAND. FORTY FOUR SEDIMENT SAMPLES WERE TAKEN ALONG SIX TRAVERSES NORMAL TO THE LONG AXIS OF THE BARRIER. THREE TRAVERSES WERE LOCATED ON EACH SIDE OF THE INLET AT 1000 FOOT INTERVALS. GRAIN SIZE ANALYSIS, HEAVY MINERAL IDENTIFICATION, AND CALCIUM CARBONATE DETERMINATIONS WERE DONE ON ALL SAMPLES. MEDIAN AND STANDARD DEVIATION WERE CALCULATED.
 NAME DR. JAMES MELLET
 PHONE NUMBER 212 558 3466
 INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, NEW YORK UNIVERSITY
 STREET 1011 MAIN BUILDING, WASHINGTON SQUARE
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10003

FILE NAME SEDIMENTOLOGY OF GREAT PECONIC BAY, LITTLE PECONIC BAY, FLANDERS BAY, GARDINERS BAY, BLOCK ISLAND SOUND, AND LONG ISLAND SOUTH SHORE CONTINENTAL SHELF
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG ISLAND, PECONIC AND GARDINER BAYS, BLOCK ISLAND SOUND AND LONG ISLAND SOUTH SHORE CONTINENTAL SHELF
 ABSTRACT THE SEDIMENTOLOGY OF GREAT PECONIC BAY, LITTLE PECONIC BAY, FLANDERS BAY, GARDINERS BAY, BLOCK ISLAND SOUND, AND LONG ISLAND SOUTH SHORE CONTINENTAL SHELF WAS STUDIED. SIZE ANALYSIS OF SEDIMENTS AT 1000 STATIONS WERE DONE AND THE STATISTICAL PARAMETERS OF GRAIN SIZE WERE CALCULATED. MEAN GRAIN SIZE, SKEWNESS, KURTOSIS AND STANDARD DEVIATION WERE ALL EXAMINED. ORGANIC CARBON AND CALCIUM CARBONATE CONTENT OF SOME OF THE SEDIMENTS WAS ALSO DETERMINED. CURRENT SPEED AND DIRECTION WAS MEASURED AT SOME STATIONS TO COMPARE WITH SEDIMENT DISTRIBUTION.
 NAME DR. NICHOLAS COCH
 PHONE NUMBER 212 520 7422
 INSTITUTION OR AGENCY DEPT. OF EARTH AND ENVIRONMENTAL SCIENCES, QUEENS COLLEGE
 CITY FLUSHING
 STATE NEW YORK
 ZIP CODE 11367

FILE NAME SEDIMENTS AND TOPOGRAPHY OF THE BRIGANTINE SECTOR OF THE INNER NEW JERSEY SHELF
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, COASTAL
 ABSTRACT THE SEDIMENTS AND TOPOGRAPHY OF THE BRIGANTINE SECTOR OF THE INNER NEW JERSEY SHELF WAS STUDIED. SIZE ANALYSIS OF 190 SAMPLES WAS DONE AND THE STATISTICAL PARAMETERS OF GRAIN SIZE CALCULATED. MEAN GRAIN SIZE, SKEWNESS, KURTOSIS AND STANDARD DEVIATION WERE ALL EXAMINED. SPHERICITY AND MINERALOGY OF THE SEDIMENT WAS ALSO DETERMINED. SEISMIC REFLECTION PROFILES BY SIDE SCAN SONAR AND SEISMIC REFRACTION PROFILES BY SONIC PROFILER WAS INITIATED. FACTOR ANALYSIS WAS APPLIED TO THE DATA.
 NAME DR. NICHOLAS COCH
 PHONE NUMBER 212 520 7422
 INSTITUTION OR AGENCY DEPT. OF EARTH AND ENVIRONMENTAL SCIENCES, QUEENS COLLEGE, CITY UNIVERSITY OF NEW YORK
 CITY FLUSHING
 STATE NEW YORK
 ZIP CODE 11367

FILE NAME SEISMIC STUDIES IN DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTHERN DELAWARE, NEWARK
 ABSTRACT STRIP CHART DATA COLLECTED WITH A SHORT-PERIOD SEISMOMETER IS AVAILABLE FOR THE NORTHERN DELAWARE REGION FROM SEPTEMBER, 1972.
 NAME STAFF OF DELAWARE GEOLOGICAL SURVEY
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SENSOR TEST MISSION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, CHINCOTEAGLE
 ABSTRACT MISSION W012, FLT. 1, APRIL 20, 1970, WITH NASA LEASED HELICOPTER EQUIPPED WITH 4 T-11 AERIAL MAPPING CAMERAS. OBJECTIVE - TO TEST BORESIGHTING OF HELICOPTER CAMERA RACK AND CHECK WIRING FROM CAMERAS TO CONTROL PANEL. FLIGHT IN CLEAR WEATHER, LIGHT HAZE, PSL WITH WINDS FROM 10-60 KNOTS.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME SETTING OF THE AMERICAN OYSTER RELATED TO ENVIRONMENTAL FACTORS AND LARVAL BEHAVIOR
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, NEW JERSEY, CAPE MAY, WESTERN COAST
 ABSTRACT STUDIES OF AMERICAN OYSTER SETTINGS OFF WESTERN COAST OF CAPE MAY, N.J. IN RELATION TO ENVIRONMENTAL FACTORS AND LARVAL BEHAVIOR. CORRELATIONS OF OYSTER LARVAL ABUNDANCE AND OCCURRENCE OF SET COMPLETED.
 NAME FERBERT FIDU
 INSTITUTION OR AGENCY IRA C. DARLING CENTER - UNIVERSITY OF MAINE
 CITY WALFLE
 STATE MAINE
 ZIP CODE 04573

FILE NAME SEVERAL FACTORS AFFECTING ABSORPTION OF ATRAZINE
AND DIPHENAMID BY SOILS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
A STUDY CONDUCTED IN DELAWARE FROM 1965 TO 1966 TO DETERMINE THE RELATIVE
IMPORTANCE OF VARIOUS FACTORS AFFECTING THE DISAPPEARANCE OF ATRAZINE AND
DIPHENAMID HERBICIDES FROM SOIL. EMPHASIZED IN THE INVESTIGATION WERE FACTORS
SPECIFICALLY RELATED TO SOIL ABSORPTION OF THE TWO HERBICIDES.
NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME SHELF OBSERVATIONS-HYDROGRAPHY
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, VIRGINIA,
CONTINENTAL SHELF OFF COAST OF EASTERN SHORE OF VIRGINIA
ABSTRACT A REPORT OF A 32 STATION HYDROGRAPHIC SURVEY OF THE
CONTINENTAL SHELF OFF VIRGINIA. SALINITY, TEMPERATURE, DEPTH AND SIGMA-T WERE
REPORTED AT 10 METER INTERVALS BETWEEN SURFACE AND BOTTOM AT EACH STATION.
NAME LIBRARIAN
PHONE NUMBER 703-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLOUCESTER POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME SHELF OBSERVATIONS-HYDROGRAPHY
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF
OFF COAST OF EASTERN SHORE OF VIRGINIA
ABSTRACT A REPORT OF 51 STATION HYDROGRAPHIC SURVEY ON THE
CONTINENTAL SHELF OFF VIRGINIA IN MID-1963.
NAME LIBRARIAN
PHONE NUMBER 703-642-2111 X15
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLOUCESTER POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME SHELF OBSERVATIONS-HYDROGRAPHY, CRUISE OF AUGUST
21-26, 1962
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF
OFF CHESAPEAKE BAY, VIRGINIA
ABSTRACT SURFACE TO BOTTOM PROFILES OF WATER TEMPERATURE,
SALINITY AND DENSITY WERE OBTAINED AT 25 STATIONS IN THE CONTINENTAL SHELF
WATERS OFF THE CHESAPEAKE BAY DURING AUGUST 1962. DISSOLVED OXYGEN LEVELS
WERE MEASURED AT SURFACE AND BOTTOM DEPTHS, AND CURRENT DIRECTIONS WERE
RECORDED.
NAME LIBRARIAN
PHONE NUMBER 703 642 2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLOUCESTER POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME SHELF SEDIMENTS OFF CHESAPEAKE BAY I. GENERAL
LITHOLOGY AND COMPOSITION
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, CHESAPEAKE
BIGHT
ABSTRACT SEDIMENTARY MATERIALS WERE SAMPLED BY GRAF FROM THE
CHESAPEAKE BIGHT REGION OF THE CONTINENTAL SHELF, NORTH OF THE CHESAPEAKE BAY
ENTRANCE. SAMPLES FROM EACH OF 113 STATIONS WERE ANALYZED FOR PARTICLE SIZE;
MEDIAN, MEAN, SORTING, MODE. COARSE FRACTIONS, 0.062 TO 1.00 MM WERE VISUALLY
IDENTIFIED FOR PERCENT COMPOSITION.
NAME MAYNARD M NICHOLS
PHONE NUMBER 804-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLOUCESTER POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME SHELLFISH DENSITY SURVEY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
MARYLAND
ABSTRACT EXTENSIVE DREDGE SURVEY OF MARYLAND SHELLFISH
BOTTOM. DATA EXTENDS BACK TO 1955, FILE DATA CONSISTENT SINCE 1966 20,000
ACRES SURVEYED WITH HYDRAULIC DREDGE. CYSTER AND SOFT CLAM COUNTS AND VOLUMES
PER SAMPLE AREA. FILE ARRANGED BY COUNTY.
NAME F L HAMONS
PHONE NUMBER 301-267-5784
INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
STREET TAWES STATE OFFICE BUILDING
CITY ANNAPOLIS
STATE MARYLAND
ZIP CODE 21401

FILE NAME SHINNECOCK
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 LONG ISLAND, SUFFOLK COUNTY, SHINNECOCK
 ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
 OF SHINNECOCK MARSH LANDS WERE CONDUCTED AT 61 STATIONS FROM MAY 1972 TO
 DECEMBER 1972.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 MOTOR PARKWAY
 CITY HALFPAGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME SHINNECOCK
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 LONG ISLAND, SUFFOLK COUNTY, SHINNECOCK
 ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
 OF SHINNECOCK MARSH LANDS WERE CONDUCTED AT 15 STATIONS FROM MAY 1973 TO
 DECEMBER 1973.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 MOTOR PARKWAY
 CITY HALFPAGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME SHINNECOCK BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 SHINNECOCK BAY
 ABSTRACT VARIOUS CHEMICAL AND PHYSICAL ASPECTS OF SHINNECOCK
 BAY WERE MEASURED AT 12 STATIONS FROM NOVEMBER 1972 TO THE PRESENT.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 MOTOR PARKWAY
 CITY HALFPAGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME SHINNECOCK INLET DATA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG
 ISLAND, SHINNECOCK BAY
 ABSTRACT FILE IS AN ACADEMIC EXERCISE PERFORMED BY STUDENTS
 MAJORING IN MARINE SCIENCE AT SOUTHAMPTON COLLEGE, LONG ISLAND, NEW YORK.
 PARAMETERS WERE MEASURED WEEKLY BY STUDENTS FOR ONE MONTH (AUGUST 1974). THESE
 PARAMETERS INCLUDE TEMPERATURE, SALINITY, DISSOLVED OXYGEN GAS, NITRATE,
 NITRITE, PHOSPHATE, WIND DIRECTION, WIND VELOCITY, AND CLOUD COVER.
 NAME J. F. WELKER
 PHONE NUMBER 516 283 4000
 INSTITUTION OR AGENCY SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER
 STREET TUCKAHOE ROAD
 CITY SOUTHAMPTON
 STATE NEW YORK
 ZIP CODE 11968

FILE NAME SHOALS AND ISLANDS OFF THE MOUTH OF THE SUSQUEHANNA
 RIVER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND, SUSQUEHANNA RIVER, SASSAFRAS RIVER
 ABSTRACT MISSION W227, FLT. 2, AUGUST 13, 1973, WITH HALLOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS. OBJECTIVE
 - TO OBTAIN IMAGERY OF SHOALS AND ISLANDS OFF MOUTH OF SUSQUEHANNA RIVER IN
 CHESAPEAKE BAY. IMAGERY WILL BE COMPARED WITH IMAGERY TAKEN BEFORE TROPICAL
 STORM AGNES TO DETERMINE THE EFFECT OF THE STORM ON THESE SHOALS AND ISLANDS.
 FLIGHT MADE IN SCATTERED TO BROKEN CLOUDS WITH SOME HAZE, AIR TEMP. 5 DEG. C
 AT 10,500 FT., MSL WITH WIND OF 15 KNOTS FROM 320 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-624-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCFS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME SHOREHAM I
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND SOUND, SHOREHAM
 ABSTRACT 17 STATIONS LOCATED AT SHOREHAM, LONG ISLAND, WERE
 SAMPLED FROM JANUARY 1973 TO DECEMBER 1973 FOR SALINITY, TEMPERATURE,
 DISSOLVED OXYGEN, CURRENT SPEED, CURRENT DIRECTION, WIND SPEED, WIND
 DIRECTION, TOTAL PHOSPHORUS, PARTICULATE PHOSPHORUS, TOTAL ORGANIC PHOSPHORUS,
 NITRITE, NITRATE, CHLOROPHYLL A, PH, TURBIDITY, PHOTOSYNTHETIC RATE, COUNT OF
 PHYTOPLANKTON, COUNT OF ZOOPLANKTON, BIOMASS OF ZOOPLANKTON, COUNT OF DEMERSAL
 FISH, COUNT OF PELAGIC FISH, BIOMASS OF DEMERSAL FISH, BIOMASS OF PELAGIC
 FISH, LENGTH OF DEMERSAL FISH, LENGTH OF PELAGIC FISH, WEIGHT OF DEMERSAL
 FISH, WEIGHT OF PELAGIC FISH, AGE DATING OF DEMERSAL FISH, AGE DATING OF
 PELAGIC FISH, STOMACH CONTENT ANALYSIS OF DEMERSAL FISH, STOMACH CONTENT
 ANALYSIS OF PELAGIC FISH, GONADAL DEVELOPMENT OF DEMERSAL FISH, GONADAL
 DEVELOPMENT OF PELAGIC FISH, COUNT OF BENTHIC ANIMALS, BIOMASS OF BENTHIC
 ANIMALS, AND SEDIMENT SIZE ANALYSIS.

NAME HERBERT AUSTIN
 PHONE NUMBER 516 668 5800
 INSTITUTION OR AGENCY NEW YORK OCEAN SCIENCE LABORATORY
 STREET DRAPER EE
 CITY MONTAUK
 STATE NEW YORK
 ZIP CODE 11954

FILE NAME SHOREHAM I ECOLOGICAL STUDIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND SOUND, SHOREHAM
 ABSTRACT 5 STATIONS LOCATED AT SHOREHAM WERE SAMPLED FROM
 JANUARY 1973 TO DECEMBER 1974 FOR SALINITY, DISSOLVED OXYGEN, WATER
 TEMPERATURE, TOTAL SOLIDS, NITRATE, NITRITE, TOTAL ORGANIC NITROGEN, AMMONIA,
 TOTAL PHOSPHORUS, ORTHOPHOSPHATE, PH, TOTAL ALKALINITY, CHLOROPHYLL A, COPPER,
 NICKEL, AND TURBIDITY. SAMPLING WAS ON A MONTHLY AND QUARTERLY BASIS. THE
 QUARTERLY SAMPLING OCCURRED DURING A DIURNAL CYCLE WITH SAMPLES BEING
 COLLECTED EVERY 2 HOURS.

NAME STEVE DALTON
 PHONE NUMBER 516 931 6300 X2356
 INSTITUTION OR AGENCY LONG ISLAND LIGHTING COMPANY
 STREET 175 EAST OLD COUNTRY ROAD
 CITY HICKSVILLE
 STATE NEW YORK
 ZIP CODE 11801

FILE NAME SHORELINE EROSION SURVEY OF GREAT PECONIC, LITTLE
 PECONIC, GARDINERS AND NAPEAGUE BAYS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. BIGHT, LONG
 ISLAND, COASTAL
 ABSTRACT THE EROSIONAL HISTORY OF THE BEACHES AND BLUFFS
 ALONG GREAT PECONIC, LITTLE PECONIC, GARDINERS AND NAPEAGUE BAYS IS DESCRIBED.
 GEOLOGIC HISTORY AND PRESENT FEATURES OF THE SHORELINE ARE DISCUSSED. AN
 INVENTORY OF SHORELINE CHARACTERISTICS IS PRESENTED (SIZE ANALYSIS OF
 SEDIMENTS, PER CENT VEGETATION, BEACH WIDTH, BEACH SLOPE, AND MAN-MADE
 STRUCTURES AND THEIR INFLUENCES ON NATURAL SHORE PROCESSES). PARTICULAR
 ATTENTION IS GIVEN TO NATURAL EARTH PROCESSES SUCH AS SLIDES AND SUBSIDENCE AS
 WELL AS TO THE INFLUENCE OF STORMS, WIND, AND WAVES. A BEACH DESCRIPTIVE INDEX
 CONTAINING INFORMATION ON EROSION OR ACCRETION AND THEIR RELATIONSHIPS TO
 SHORELINE CHARACTERISTICS HAS BEEN COMPILED FOR 181 LOCATIONS WITHIN THE STUDY
 AREA.

NAME CHARLES D. HARDY
 PHONE NUMBER 516 246 7710
 INSTITUTION OR AGENCY MARINE SCIENCES RESEARCH CENTER, SUNY
 CITY STONY BROOK
 STATE NEW YORK
 ZIP CODE 11790

FILE NAME SHORELINE SURVEY DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 EASTERN SHORE, VIRGINIA TIDAL TRIBUTARIES
 ABSTRACT THE TIDAL SHORELINE OF VIRGINIA HAS BEEN DIVIDED
 INTO 107 AREAS AND EVERY PROPERTY WITHIN THE WATERSHED OF EACH AREA IS VISITED
 BY INSPECTORS TO DETERMINE SOURCES OF WASTE WHICH MIGHT CONTRIBUTE TO SURFACE
 WATER POLLUTION. EACH AREA WILL BE SURVEYED AT SIX YEAR INTERVALS.
 HISTORICALLY THE SURVEY WORK WAS LESS FREQUENT, AND THE ENTIRE WATERSHED WAS
 NOT SURVEYED

NAME CLYDE W. WILEY, DIRECTOR
 PHONE NUMBER 804 770 7937
 INSTITUTION OR AGENCY BUREAU OF SHELLFISH SANITATION
 STREET JAMES MADISON BLDG., 109 GOVERNOR STREET
 CITY RICHMOND
 STATE VIRGINIA
 ZIP CODE 23219

FILE NAME SHCREM 2
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND SOUND, SHCREMAN
 ABSTRACT 17 STATIONS LOCATED AT SHCREMAN, LONG ISLAND, WERE
 SAMPLED FROM JULY 1973 TO JULY 1974 FOR CHLOROPHYLL A, PHOTOSYNTHETIC RATE,
 COUNT OF PHYTOPLANKTON, COUNT OF ZOOPLANKTON, BIOMASS OF ZOOPLANKTON, COUNT OF
 DEMERSAL FISH, COUNT OF PELAGIC FISH, BIOMASS OF DEMERSAL FISH, BIOMASS OF
 PELAGIC FISH, LENGTH OF DEMERSAL FISH, LENGTH OF PELAGIC FISH, WEIGHT OF
 DEMERSAL FISH, WEIGHT OF PELAGIC FISH, AGE DATING OF DEMERSAL FISH, AGE DATING
 OF PELAGIC FISH, STOMACH CONTENT ANALYSIS OF DEMERSAL FISH, STOMACH CONTENT
 ANALYSIS OF PELAGIC FISH, GENITAL DEVELOPMENT OF DEMERSAL FISH, GENITAL
 DEVELOPMENT OF PELAGIC FISH, COUNT OF BENTHIC ANIMALS, BIOMASS OF BENTHIC
 ANIMALS, AND SEDIMENT SIZE ANALYSIS.
 NAME HERBERT AUSTIN
 PHONE NUMBER 516 668 5800
 INSTITUTION OR AGENCY NEW YORK OCEAN SCIENCE LABORATORY
 STREET DRAWER EE
 CITY MONTAUK
 STATE NEW YORK
 ZIP CODE 11954

FILE NAME SHCRESCAPE DESCRIPTIONS OF LONG ISLAND COASTLINE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG ISLAND
 COAST
 ABSTRACT AT SIX TWO BY FOUR MILE SITES ON LONG ISLAND,
 SHCRESCAPE DESCRIPTIONS OF LANDSCAPE DIMENSIONS, LANDFORM CLASSIFICATIONS AND 5
 PARALLEL AND PERPENDICULAR PROFILES ARE RECORDED FOR EACH SITE.
 NAME DAVID B. HARPER
 PHONE NUMBER 315 473 8741
 INSTITUTION OR AGENCY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
 STREET 318 MARSHALL HALL
 CITY SYRACUSE
 STATE NEW YORK
 ZIP CODE 13210

FILE NAME SHORT TERM MONITORING DATA FOR NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, JERSEY CITY,
 VINELAND, MORRISTOWN, NEWARK, WEEHAWKEN, HIGHTSTOWN, CAPE MAY
 ABSTRACT MOBILE VANS MONITORING DIFFERENT AIR POLLUTANTS
 TRAVELLED TO JERSEY CITY, HIGHTSTOWN, VINELAND, MORRISTOWN, NEWARK, WEEHAWKEN
 AND CAPE MAY, NEW JERSEY BETWEEN FEBRUARY, 1976 AND AUGUST, 1977. FROM
 FEBRUARY, 1976 THROUGH MARCH, 1976, A VAN WAS STATIONED IN JERSEY CITY AND
 MONITORED CARBON MONOXIDE (CO), SULFUR DIOXIDE (SO₂), NITROGEN DIOXIDE (NO₂),
 HYDROCARBONS (HCX) AND SMOKE SHADE. FROM JULY, 1976 THROUGH AUGUST, 1976, A
 VAN MONITORED CO AND SMOKE SHADE IN HIGHTSTOWN AND CO, NO₂, AND SMOKE SHADE IN
 CAPE MAY. FROM AUGUST, 1976 THROUGH DECEMBER, 1976 A VAN MADE FOURLY CO
 READINGS IN WEEHAWKEN. FROM SEPTEMBER, 1976 THROUGH NOVEMBER, 1976 A VAN
 MONITORED SO₂, NO₂, CO, AND HCCX IN NEWARK. AND FROM MARCH, 1976, THROUGH
 AUGUST 1977 A VAN MONITORED NO₂, SO₂, CO AND SMOKE SHADE IN VINELAND.
 NAME SENIOR ENVIRONMENTAL SPECIALISTS
 PHONE NUMBER 609 252 6723
 INSTITUTION OR AGENCY NEW JERSEY BUREAU OF AIR POLLUTION CONTROL
 STREET LABOR AND INDUSTRY BUILDING
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME SIMULIUM VITIATUM ZETTERSTEDT: A POTENTIAL WATER
 QUALITY INDICATOR
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, PENNSYLVANIA,
 SOUTHERN CHESTER COUNTY, DELAWARE, NORTHERN NEW CASTLE COUNTY, REC CLAY CREEK
 ABSTRACT THIS FILE INCLUDES WATER QUALITY DATA PERTINENT TO
 A STUDY OF BLACKFLIES (SIMULIUM VITIATUM ZETTERSTEDT) IN THE REC CLAY CREEK
 WATERSHED OF SOUTHERN CHESTER COUNTY, PENNSYLVANIA AND NORTHERN NEW CASTLE
 COUNTY, DELAWARE. WATER QUALITY PARAMETERS MEASURED INCLUDE NITRATE,
 PHOSPHATE, AMMONIA, CHLORIDES, ZINC, BCD, IRON, TEMPERATURE, PH, DISSOLVED
 OXYGEN, TURBIDITY, AND FLY LARVAE COUNTS. THIS DATA IS INCLUDED IN AN M.S.
 THESIS, 1974, UNIVERSITY OF DELAWARE BY SYED HYDER ALI.
 NAME PAUL EURETIS
 PHONE NUMBER 302 738 2526
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET DEPARTMENT OF ENTOMOLOGY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SIMULIUM VITTATUM - A POTENTIAL WATER QUALITY INDICATOR
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, RED CLAY CREEK
 ABSTRACT COUNTS OF THE DIPTERA, SIMULIUM VITTATUM WERE COMPARED TO MEASUREMENTS OF TEMPERATURE, TURBIDITY, PH, DISSOLVED OXYGEN, AMMONIA, NITRATE, ORTHOPHOSPHATE, BIOCHEMICAL OXYGEN DEMAND, COLIFORM BACTERIA, IRON, ZINC AND COPPER. SAMPLING SITES WERE CHOSEN FOR PROXIMITY TO A VULCANIZED FIBER PLANT.
 NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SIMULIUM VITTATUM ZETTERSTEDT (DIPTERA: SIMULIIDAE)
 A POTENTIAL WATER QUALITY INDICATOR
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTHWESTERN DELAWARE, RED CLAY CREEK
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING A STUDY CONDUCTED IN 1973 ON THE RED CLAY CREEK, DELAWARE TO DETERMINE IF THE LARVAE OF A COMMON INSECT SPECIES, THE BLACKFLY SIMULIUM VITTATUM, COULD BE USED AS AN INDICATOR OF WATER QUALITY.
 NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SIPUNCULA OF WESTERN NORTH ATLANTIC
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NOVA SCOTIA TO BERMUDA TO KEY WEST
 ABSTRACT SIPUNCULA IDENTIFICATION AND DISTRIBUTION IN THE WESTERN NORTH ATLANTIC, SHELF, SLOPE, RISE AND ABYSSAL PLAIN FROM NOVA SCOTIA TO BERMUDA TO KEY WEST WITH MAXIMUM INFORMATION BETWEEN 32 TO 36 DEG NORTH ON THE SLOPE.
 NAME E.B. CUTLER
 PHONE NUMBER 315 792 3150
 INSTITUTION OR AGENCY UTICA COLLEGE
 STREET DEPARTMENT OF BIOLOGICAL SCIENCES
 CITY UTICA
 STATE NEW YORK
 ZIP CODE 13502

FILE NAME SLIME MOLDS OF THE DISMAL SWAMP AND THE TIDEWATER AREA
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, DISMAL SWAMP, VIRGINIA
 ABSTRACT SURVEY OF THE SLIME MOLDS FOUND IN THE DISMAL SWAMP, VA AND LOWER CHESAPEAKE BAY AREA. SURVEY INCLUDES OBSERVATIONS OF ENVIRONMENTAL FACTORS AT COLLECTION SITE.
 NAME PAUL KIRK
 PHONE NUMBER 804-489-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME SMALL MAMMALS AND GROUND COVER IN SUCCESSIONAL FIELDS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, HUTCHESON MEMORIAL FOREST
 ABSTRACT THE PURPOSE OF THIS STUDY IS TO FURTHER INVESTIGATE THE RELATIONSHIP BETWEEN THE SPECIES OF SMALL MAMMALS PRESENT IN ABANDONED FIELDS AND THE AMOUNT OF VEGETATIVE COVER. THE FIELD WORK DISTINGUISHES AMONG DIFFERENT STRUCTURAL CONFIGURATIONS OF GRASS COVER AND HOW THE DIFFERENT CONFIGURATIONS ARE UTILIZED BY THE SMALL MAMMALS.
 NAME REFERENCE LIBRARIAN
 PHONE NUMBER 201 732 1766
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME SMALL SCALE SPATIAL DISTRIBUTIONS OF POND PHYTOPLANKTON
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, HOCKESSIN
 ABSTRACT WHOLE WATER SAMPLES WERE TAKEN AT THREE SCALES OF SMALL SCALE SPATIAL SEPARATION FROM A POND IN NORTHERN DELAWARE TO DESCRIBE AND INVESTIGATE THE NATURE OF SMALL SCALE PHYTOPLANKTON DISTRIBUTIONS. SAMPLES WERE COLLECTED ON NOVEMBER 12, 1975 FROM 44 STATIONS AND WERE ANALYZED AS TO SPECIES DETERMINATION AND NUMBERS PER SPECIES PER STATION.
 NAME INTERLIBRARY LOAN
 PHONE NUMBER 302 738 2226
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE MORRIS LIBRARY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SMALL SCALE SPATIAL DISTRIBUTIONS OF PCND
 PHYTOPLANKTON
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, MCKESSIA
 ABSTRACT WHOLE WATER SAMPLES WERE TAKEN AT THREE SCALES OF
 SMALL SCALE SPATIAL SEPARATION FROM A PCND IN NORTHERN DELAWARE TO DESCRIBE
 AND INVESTIGATE THE NATURE OF SMALL SCALE PHYTOPLANKTON DISTRIBUTIONS.
 NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SMITHPOINT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 LONG ISLAND, SUFFOLK COUNTY, SMITHPOINT
 ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
 OF SMITHPOINT MARSH LANDS WERE CONDUCTED AT 61 STATIONS FROM MAY 1972 TO
 DECEMBER 1972.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 MOTOR PARKWAY
 CITY HALFFALGE
 STATE NEW YORK
 ZIP CODE 11767

FILE NAME SMITHPOINT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., N.Y. BIGHT, COASTAL,
 LONG ISLAND, SUFFOLK COUNTY, SMITHPOINT
 ABSTRACT YIELD OF BENTHIC PLANTS AND SPECIES DETERMINATION
 OF SMITHPOINT MARSH LANDS WERE CONDUCTED AT 15 STATIONS FROM MAY 1972 TO
 DECEMBER 1973.
 NAME CHRIS BIEMILLER, HEAD OF MARINE RESOURCES SECTION
 PHONE NUMBER 516 234 2622
 INSTITUTION OR AGENCY SUFFOLK COUNTY, DEPARTMENT OF ENVIRONMENTAL CONTROL
 STREET 1324 MOTOR PARKWAY
 CITY HALFFALGE
 STATE NEW YORK
 ZIP CODE 11787

FILE NAME SNOW GOOSE AND BRANT HARVEST
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT FIELD SURVEY DATA ON HUNTER HARVEST OF SNOW GOOSE
 AND BRANT IS REPORTED FOR NOVEMBER THROUGH DECEMBER, 1976. THIS DATA IS
 COMPARED WITH HUNTER QUESTIONNAIRE DATA AS WELL AS DATA OF THE U.S. FISH AND
 WILDLIFE SERVICE. STUDY AREAS INCLUDE BRIGANTINE, REEDS-ABSECON, DENNIS CREEK,
 HEISLERVILLE, EGG ISLAND, AND BACK-NANTUXANT.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME SNOW GOOSE, BRANT HARVEST
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT FIELD SURVEYS PROVIDE INFORMATION ON HUNTER HARVEST
 OF SNOW GOOSE AND BRANT OVER A ONE YEAR PERIOD. COMPARISONS BETWEEN DEPARTMENT
 OF ENVIRONMENTAL PROTECTION SURVEYS AND UNITED STATES FISH AND WILDLIFE
 SURVEYS ARE REPORTED.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME SOCIAL ORGANIZATION AND BEHAVIOR OF THE SEASIDE
 SFARRON
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NEW YORK, LONG
 ISLAND, GREAT SOUTH BAY
 ABSTRACT INVESTIGATION OF THE ECOLOGY AND BEHAVIOR OF THE
 SEASIDE SFARRON WITH OBSERVATIONS OF FEEDING, SEX RATIOS, DISTRIBUTIONS AND
 TERRITORIES. THE STATIONS VARY IN BREEDING SEASON. TIME SPENT IN FORAGING,
 SINGING AND OTHER BEHAVIORAL ACTIVITIES ARE NOTED.
 NAME LIBRARIAN
 PHONE NUMBER 919 737 3364
 INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
 STREET C.H. HILL LIBRARY
 CITY RALEIGH
 STATE NORTH CAROLINA
 ZIP CODE 27607

FILE NAME SOIL SURVEY OF ACCOMAC COUNTY, VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., VIRGINIA, ACCOMAC COUNTY
 ABSTRACT A SOIL SURVEY OF ACCOMAC COUNTY, VIRGINIA WAS
 CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS IN
 ACCOMAC COUNTY, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS OF THE COUNTY.
 NAME PETRI
 PHONE NUMBER 703 951 6481
 INSTITUTION OR AGENCY VIRGINIA POLYTECHNIC INSTITUTE
 STREET AGRICULTURE DEPT
 CITY BLACKSBURG
 STATE VIRGINIA
 ZIP CODE 24061

FILE NAME SOIL SURVEY OF CURRITUCK COUNTY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTH CAROLINA, CURRITUCK
 COUNTY
 ABSTRACT COUNTY SOIL SURVEY INCLUDES GENERAL SOIL
 ASSOCIATIONS, DESCRIPTIONS OF SOIL TYPES, ENGINEERING PROPERTIES OF SOIL
 TYPES, PHYSIOGRAPHY, RELIEF, DRAINAGE AND MONTHLY MAXIMUM, MINIMUM, AND MEAN
 TEMPERATURE, RAIN, AND SNOWFALL.
 NAME HERBERT J. EYRD
 PHONE NUMBER 919 755 4201
 INSTITUTION OR AGENCY SOIL CONSERVATION SERVICE, U.S. DEPARTMENT OF
 AGRICULTURE
 STREET P.O. BOX 27307
 CITY RALEIGH
 STATE NORTH CAROLINA
 ZIP CODE 27611

FILE NAME SOIL SURVEYS OF NEW YORK STATE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK
 ABSTRACT SOIL SCIENTISTS ARE MAPPING ALL THE COUNTIES IN NEW
 YORK STATE EXCEPT THOSE WITHIN THE CITY OF NEW YORK ON THE SCALE OF 4 INCHES =
 1 SQUARE MILE AS PART OF THE NATIONAL INVENTORY OF SOILS. ABOUT 40
 FIELDWORKERS WORK FULLTIME ON THIS EFFORT TO MAP THE SOILS OF THE ENTIRE
 STATE. COUNTIES SURVEYED INCLUDE: JEFFERSON, ST. LAWRENCE, FRANKLIN, CLINTON,
 ESSEX, NIAGARA, ORLEANS, MONROE, WAYNE, OSWEGO, ONEIDA, HERKIMER, HAMILTON,
 FULTON, WARREN, SARATOGA, WASHINGTON, RENSSELAER, ALBANY, SCHENECTADY,
 SCHENARIE, MONTGOMERY, OTSEGO, CHEMUNG, MADISON, CORTLAND, ONONDAGA,
 TOMPKINS, CAYUGA, SENECA, YATES, CATTARAUGUS, LIVINGSTON, GENESEE, WYOMING, ERIE,
 COLUMBIA, GREENE, DELAWARE, BROOME, TICGA, CHEMUNG, SCHUYLER, STEUBEN,
 ALLEGANY, CATTARAUGUS, CHAUTAUGUA, SULLIVAN, ULSTER, ORANGE, DUTCHESS, PUTNAM,
 ROCKLAND, WESTCHESTER, SUFFOLK, MASSA
 NAME DR GERALD W OLSON
 PHONE NUMBER 607 256 3267
 INSTITUTION OR AGENCY CORNELL UNIVERSITY
 STREET 701 BRADFELD HALL
 CITY ITHACA
 STATE NEW YORK
 ZIP CODE 14853

FILE NAME SOLAR AND METEOROLOGICAL DATA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT SOLAR AND METEOROLOGICAL DATA HAVE BEEN COLLECTED
 CONTINUOUSLY AT FOUR STATIONS IN NEW JERSEY SINCE LATE 1976-EARLY 1977 IN
 ORDER TO OBTAIN INFORMATION FOR POSSIBLE SOLAR APPLICATIONS WITHIN THE
 TERRITORY OF THE PUBLIC SERVICE ELECTRIC AND GAS COMPANY. MEASURED PARAMETERS
 INCLUDE GLOBAL AND DIFFUSE SKY RADIATION, DRY BULB AND DEW POINT TEMPERATURES,
 BAROMETRIC PRESSURE, AND WIND SPEED AND DIRECTION.
 NAME SENIOR ENGINEER-ELECTRICAL DIVISION
 PHONE NUMBER 201 621 6800
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY, ENERGY
 LABORATORY
 STREET 200 BOYDEN AVENUE
 CITY MAPLEWOOD
 STATE NEW JERSEY
 ZIP CODE 07040

FILE NAME SOLAR RADIATION HOURLY 280
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S.
 ABSTRACT 2500000 OBSERVATIONS CONTAINING SOLAR RADIATION AND
 RELATED DATA FROM 31 STATIONS IN THE UNITED STATES FOR THE PERIOD JULY 1952 TO
 DATE. DUE TO A SERIES OF CIRCUMSTANCES, MUCH OF THE SOLAR RADIATION DATA ON
 FILE ARE NOW CONSIDERED SUSPECT BY THE NATIONAL WEATHER SERVICE. THE PROBLEM
 IS BEING EXAMINED AND CORRECTIVE MEASURES ARE BEING PROPOSED. EXAMINATION OF
 THE RECORDS INDICATES THAT THE MEASUREMENTS IN THE EXTREME, MAY RUN FROM A FEW
 PERCENT HIGH TO 20 TO 30 PERCENT LOW. THE DATA ARE AVAILABLE ON DIGITAL
 MAGNETIC TAPE FROM ACC.

NAME DIRECTOR, ACC
 PHONE NUMBER 704 254 0961 X0203
 INSTITUTION OR AGENCY NATIONAL CLIMATIC CENTER
 STREET FEDERAL BUILDING
 CITY ASHEVILLE
 STATE NORTH CAROLINA
 ZIP CODE 28601

FILE NAME SOME ASPECTS OF POPULATION STRUCTURE, DENSITY AND
 DISTRIBUTION OF THE SUPRA-TIDAL AMPHIPOD, TALORCHESTIA LONGICORNIS, IN THE
 CHESAPEAKE BAY AREA.
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT POPULATIONS OF A BEACH AMPHIPOD, TALORCHESTIA
 LONGICORNIS, WERE STUDIED USING MARK-RECAPTURE METHODS AT SEVENTEEN LOCATIONS
 ALONG THE CHESAPEAKE BAY

NAME LIBRARIAN
 PHONE NUMBER 301 326 4281
 INSTITUTION OR AGENCY CHESAPEAKE BIOLOGICAL LABORATORY
 CITY SELDEN
 STATE MARYLAND
 ZIP CODE 20688

FILE NAME SOME ASPECTS OF THE LIFE HISTORY OF CYPRINODON
 VARIEGATUS IN SOUTHERN DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, REHOBOTH
 BAY, INDIAN RIVER BAY
 ABSTRACT THE LIFE HISTORY OF THE SHEEPSHEAD MINNOW,
 CYPRINODON VARIEGATUS WAS INVESTIGATED IN SEVERAL COASTAL BAYS OF DELAWARE.
 THE DATA GATHERED IS INCLUDED IN AN UNPUBLISHED M.S. THESIS LOCATED IN THE
 UNIVERSITY OF DELAWARE LIBRARY.

NAME LIBRARIAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY MORRIS LIBRARY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SOME EFFECTS OF FUNGICIDES ON ESTABLISHED APPLE
 SCAB LEAF LESIONS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., VIRGINIA, FREDERICK COUNTY,
 DELAWARE, NEW CASTLE COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 STUDIES CONDUCTED DURING 1960 AT THE WINCHESTER FRUIT RESEARCH LABORATORY,
 VIRGINIA AND THE HERCULES EXPERIMENT STATION, DELAWARE ON THE EFFECTS OF
 FUNGICIDES ON ESTABLISHED APPLE SCAB LEAF LESIONS UNDER CONDITIONS OF ONE
 SPRAY APPLICATION ON PREVIOUSLY UNSPRAYED TREES. ALSO REPORTED ARE THE
 FUNGICIDAL VALUES OF THE FUNGICIDES USED IN THE INVESTIGATION AS DETERMINED IN
 AGAR PLATE TESTS IN THE LIBRARY.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SOME EFFECTS OF GREY SQUIRRELS ON REGENERATION OF
 THREE OAK SPECIES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY,
 NEWARK
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 STUDIES CONDUCTED IN 1972 AND 1973 IN A DECIDUOUS WOODLOT, NEWARK, DELAWARE,
 TO DETERMINE THE EFFECTS OF GRAY SQUIRRELS (SCIURUS CAROLINENSIS) ON THE
 REGENERATION OF THREE OAK SPECIES: WHITE OAK, NORTHERN RED OAK AND BLACK OAK.
 EMPHASIZED ARE (1) THE QUANTITY AND QUALITY OF ACORNS PRODUCED, (2) ACORN
 PREDATION BY SQUIRRELS AND OTHER SMALL RODENTS AND (3) THE AGE STRUCTURE OF
 THE OAK POPULATION.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SOME EFFECTS OF TEMPERATURE AND SALINITY ON THE
LIFE PROCESSES OF THE STRIPED KILLIFISH FUNULUS MAJALIS (WALBAUM)
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL
ABSTRACT THIS INVESTIGATION STUDIED SOME EFFECTS OF
TEMPERATURE AND SALINITY UPON THE STRIPED KILLIFISH, FUNULUS MAJALIS. ITS
OBJECTIVES WERE THREEFOLD: TO DETERMINE THE HATCHING TIMES, SIZES AND DRY
WEIGHTS OF EMBRYCS INCUBATED AT DIFFERENT TEMPERATURE, SALINITY AND OXYGEN
CONDITIONS; TO OBSERVE THE OXYGEN UPTAKE OF EMBRYCS UNDER DIFFERENT
TEMPERATURE - SALINITY COMBINATIONS; AND TO DETERMINE LETHAL TEMPERATURE -
SALINITY COMBINATIONS FOR DIFFERENT LIFE HISTORY STAGES.

NAME LIBRARIAN
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
CITY LEWES
STATE DELAWARE
ZIP CODE 19558

FILE NAME SOME EFFECTS OF TEMPERATURE AND SALINITY ON THE
LIFE PROCESSES OF THE STRIPED KILLIFISH FUNULUS MAJALIS (WALBAUM)
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE
ABSTRACT THIS INVESTIGATION STUDIED SOME EFFECTS OF
TEMPERATURE AND SALINITY UPON THE STRIPED KILLIFISH, FUNULUS MAJALIS. ITS
OBJECTIVES WERE THREEFOLD: TO DETERMINE THE HATCHING TIMES, SIZES AND DRY
WEIGHTS OF EMBRYCS INCUBATED AT DIFFERENT TEMPERATURE, SALINITY AND OXYGEN
CONDITIONS; TO OBSERVE THE OXYGEN UPTAKE OF EMBRYCS UNDER DIFFERENT
TEMPERATURE-SALINITY COMBINATIONS; AND TO DETERMINE LETHAL
TEMPERATURE-SALINITY COMBINATIONS FOR DIFFERENT LIFE HISTORY STAGES.

NAME JOHN C. BRYSON
PHONE NUMBER 302 678 4403
INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
ENVIRONMENTAL CONTROL
CITY DOVER
STATE DELAWARE
ZIP CODE 19901

FILE NAME SOME EFFECTS OF THE TARNISHED PLANT BUG, LYGUS
LINECLARIS (PALISOT DE BEAUVOIS), ON PEPPER TRANSPLANTS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEWARK, BRIDGEVILLE
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
FIELD AND LABORATORY STUDIES CONDUCTED IN NEWARK AND BRIDGEVILLE, DELAWARE
DURING 1961 AND 1962 TO DETERMINE WHETHER THE TARNISHED PLANT BUG, LYGUS
LINECLARIS, IS CAPABLE OF CAUSING SIGNIFICANT BUD AND BLOSSOM DROP IN PEPPERS
AND THEREBY AFFECTING CROP YIELDS.

NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME SOME ENVIRONMENTAL CONSIDERATIONS OF IMPOUNDED
TIDAL MARSHES ON MOSQUITO AND WATER BIRD PREVALENCE, LITTLE CREEK WILDLIFE
AREA, DELAWARE
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, KENT COUNTY, LITTLE
CREEK WILDLIFE AREA
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
A FIELD STUDY CONDUCTED FROM APRIL 1961 TO OCTOBER 1962 ON THE LITTLE CREEK
WILDLIFE AREA, DELAWARE. EMPHASIZED ARE AQUATIC BIRD POPULATIONS AND THE
ENVIRONMENTAL FACTORS WHICH SEEM TO AFFECT THEIR NUMBERS AND THE FACTORS
LIMITING MOSQUITO POPULATIONS IN THE IMPOUNDED MARSH AREAS.

NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME SOME HYDROGRAPHIC CONDITIONS FOUND IN WINTER IN
LOWER CHESAPEAKE BAY AND THEIR POSSIBLE EFFECTS ON BLUE CRAB (CALLINectes
SAPIDUS RATHBUN) POPULATION
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
BAY, VIRGINIA
ABSTRACT GENERAL ACCOUNT OF HYDROGRAPHIC DATA AND COMMERCIAL
CRAB TREDGE FISHERY IN LOWER CHESAPEAKE BAY IN THE WINTER OF 1948-1949.

NAME LIBRARIAN
PHONE NUMBER 804-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester Point
STATE VIRGINIA
ZIP CODE 23062

FILE NAME SOME OBSERVATIONS ON THE SEDIMENTS OF THE DELAWARE
RIVER SOUTH OF WILMINGTON
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NORTHERN NEW CASTLE
COUNTY
ABSTRACT GEOLOGICAL DATA FROM A SERIES OF CORES TAKEN DURING
THE SUMMER OF 1971 FROM A TEST ECRING IN THE DELAWARE RIVER ADJACENT TO THE
DELAWARE MEMORIAL BRIDGE ARE PRESENTED IN REPORT FORM. THE DATA INCLUDE
MINERALOGY, TEXTURE AND PALYNOLOGY OF THE SEDIMENT SAMPLES. STUDY OF THE
DEPOSITIONAL ENVIRONMENT OF THE DELAWARE RIVER LEADS TO INTERPRETATION OF THE
GEOLOGICALLY RECENT HISTORY OF THE RIVER.

NAME ROBERT R. JORDAN
PHONE NUMBER 302 738 2833
INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
STREET UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME SOME POPULATION DYNAMICS OF THE BLUE CRAB
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE, REHOBOTH
BAY, INDIAN BAY
ABSTRACT DATA ON THE SIZE FREQUENCIES AND POPULATION
DENSITIES OF THE BLUE CRAB IN DELAWARE WATERS, FROM AUGUST 1969 TO JULY 1970
ARE PRESENTED AND DISCUSSED.

NAME JOHN C. BRYSON
PHONE NUMBER 302 678 4403
INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
ENVIRONMENTAL CONTROL
CITY DOVER
STATE DELAWARE
ZIP CODE 19901

FILE NAME SOME POPULATION DYNAMICS OF THE HARD CLAM
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE, SOUTHERN
REHOBOTH BAY, INDIAN RIVER
ABSTRACT DATA ON THE SIZE FREQUENCIES AND POPULATION
DENSITIES OF THE HARD CLAM IN DELAWARE WATERS, FROM AUGUST 1969 TO JULY 1970,
ARE PRESENTED AND DISCUSSED.

NAME JOHN C. BRYSON
PHONE NUMBER 302 678 4403
INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
ENVIRONMENTAL CONTROL
CITY DOVER
STATE DELAWARE
ZIP CODE 19901

FILE NAME SOME POPULATION DYNAMICS OF THE AMERICAN LOBSTER
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY, HARBOR
OF REEF BREAKWATER
ABSTRACT DATA ON THE SIZE FREQUENCIES AND POPULATION
DENSITIES OF THE AMERICAN LOBSTER IN DELAWARE WATERS, FROM AUGUST 1969 TO JULY
1970, ARE PRESENTED AND DISCUSSED.

NAME JOHN C. BRYSON
PHONE NUMBER 302 678 4403
INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
ENVIRONMENTAL CONTROL
CITY DOVER
STATE DELAWARE
ZIP CODE 19901

FILE NAME SOME POPULATION DYNAMICS OF THE BLUE CRAB
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, REHOBOTH
AND INDIAN RIVER BAYS
ABSTRACT DATA ON THE SIZE-FREQUENCIES AND POPULATION
DENSITIES OF THE BLUE CRAB IN DELAWARE WATERS, FROM AUGUST 1969 TO JULY 1970
ARE PRESENTED AND DISCUSSED.

NAME RODNER WINGET AND DON MALRER
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
CITY LEWES
STATE DELAWARE
ZIP CODE 19958

FILE NAME SOME POPULATION DYNAMICS OF THE HARD CLAM
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, SOUTHERN
REHOBOTH BAY
ABSTRACT DATA ON THE SIZE FREQUENCIES AND POPULATION
DENSITIES OF THE HARD CLAM IN DELAWARE WATERS, FROM AUGUST 1969 TO JULY 1970,
ARE PRESENTED AND DISCUSSED.

NAME RODNER WINGET AND DON MALRER
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
CITY LEWES
STATE DELAWARE
ZIP CODE 19958

FILE NAME SOME POPULATION DYNAMICS OF THE AMERICAN LOBSTER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, HARBOR
 OF REFUGE BREAKWATER
 ABSTRACT DATA ON THE SIZE-FREQUENCIES AND POPULATION
 DENSITIES OF THE AMERICAN LOBSTER IN DELAWARE WATERS, FROM AUGUST 1969 TO JULY
 1970, ARE PRESENTED AND DISCUSSED.
 NAME RODNER WINGET AND DON MAURER
 PHONE NUMBER 302 445 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19958

FILE NAME SCRA RAIL, PORZANA CAROLINA, INVESTIGATIONS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, BURLINGTON COUNTY,
 WADING RIVER
 ABSTRACT THIS REPORT DISCUSSES INVESTIGATIONS DEALING WITH
 THE SCRA RAIL. DATA INCLUDES VEGETATIVE TYPES CORRELATED WITH SCRA RAIL
 HABITATS, RAIL DISTRICTIONS, AND SEASONAL ABUNDANCE.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 252 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1805
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME SOURCE AND NATURE OF SHOALING MATERIALS IN DELAWARE
 ESTLARY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE BAY,
 DELAWARE RIVER
 ABSTRACT THIS FILE CONSISTS OF THE QUALITATIVE AND
 QUANTATIVE DATA OBTAINED FROM ANALYSES OF 140 DELAWARE ESTUARY SEDIMENT CORES,
 24 CORES ON THE CONTINENTAL SHELF NEAR THE MOUTH OF DELAWARE BAY, AND 3 BEACH
 SAMPLES FROM NEAR DELAWARE SHORES. THE DATA, TAKEN JUNE 1969 TO MARCH 1972,
 WAS USED TO DEVELOP A SEDIMENTARY MATERIALS BASELINE FOR THE DELAWARE BAY
 ESTUARY BY THE PHILADELPHIA DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS.
 INFORMATION ON PHYSICAL, MINERALOGICAL, ORGANIC, BIOGENIC, AND TRACE METAL
 CONTENT OF THE SEDIMENTARY MATERIAL IS INCLUDED. BOTTOM CURRENTS, DISSOLVED
 OXYGEN, PHOSPHATE, AND FECAL COLIFORM COUNTS OF THE OVERLYING WATER COLUMN
 WERE ALSO MEASURED FOR LIMITED TIME PERIODS DURING THIS STUDY.
 NAME RCY DENMARK
 PHONE NUMBER 215 557 2944
 INSTITUTION OR AGENCY U.S. ARMY CORPS OF ENGINEERS
 STREET CUSTOMS HOUSE 2ND AND CHESTNUT STREET
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19106

FILE NAME SOURCE OF DETRITAL HEAVY MINERALS IN ESTUARIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, DELAWARE
 BAY
 ABSTRACT A THREE YEAR STUDY ON THE SOURCE OF DETRITAL HEAVY
 METALS IN ESTUARIES OF THE ATLANTIC COASTAL PLAIN WAS CONDUCTED. SAMPLES WERE
 TAKEN IN THE DELAWARE BAY AND ANALYZED. TWELVE SAMPLES WERE COLLECTED FOR
 ANALYSIS BY MEANS OF THE ISOCYCLIC SEPARATOR AND X-RAY DIFFRACTION. THE
 RESULTS OF THIS ANALYSIS WAS THEN COMPARED WITH RELATED STUDIES TO FORM AN
 OVERALL PICTURE OF THE ATLANTIC COASTAL PLAINS DETRITAL HEAVY METALS.
 NAME LIBRARIAN
 PHONE NUMBER 404 894 4502
 INSTITUTION OR AGENCY GEORGIA INSTITUTE OF TECHNOLOGY
 STREET PRICE GILBERT MEMORIAL LIBRARY
 CITY ATLANTA
 STATE GEORGIA
 ZIP CODE 30332

FILE NAME SOUTHERN RECORD OF LITTORINA LITTOREA IN VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 VIRGINIA, DELMARVA PENINSULA AND DELAWARE
 ABSTRACT SMALL FILE DOCUMENTING LOCALITY, TIME, SIZE AND
 SPECIES OF LITTORINA AT CAPE MENLOPEN STATE PARK, DELAWARE AND SOUTH END OF
 CHINCOTEAGLE ISLAND, VIRGINIA. DATA RELATED TO CURRENT PATTERNS, SPAWNING AND
 GROWTH OF ORGANISM.

NAME JOHN A KRAEUTER
 PHONE NUMBER 912-352-1631 X246
 INSTITUTION OR AGENCY SKIDAWAY INSTITUTE OF OCEANOGRAPHY
 STREET P O BOX 13667
 CITY SAVANNAH
 STATE GEORGIA
 ZIP CODE 31406

FILE NAME SCYBEAN ROOT ROT AND ROOT MORPHOLOGY AS AFFECTED BY
 TILL AND NO-TILL AFTER BARLEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 A FIELD STUDY CONDUCTED IN DELAWARE DURING 1972 ON THE EFFECT OF TILL AND
 NO-TILL AFTER BARLEY ON SCYBEAN ROOT ROT AND ROOT MORPHOLOGY. INVESTIGATED
 PARAMETERS INCLUDE EXTERNAL MACROSCOPIC ROOT DECAY, COUNTS OF SPECIES OF FUNGI
 COLONIZING ROOTS, ROOT MORPHOLOGY AND SCYBEAN YIELD.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SCYBEAN WEED CONTROL AND SOIL PERSISTENCE WITH
 LIQUID AND GRANULAR TRIFLURALIN
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT DATA COLLECTED DURING STUDIES CONDUCTED IN
 1963-1964 AT NEWARK AND GEORGETOWN, DELAWARE TO DETERMINE THE EFFECT OF
 SEVERAL ENVIRONMENTAL FACTORS ON THE ACTIVITY OF SEVERAL GRANULAR AND
 EMULSIFIABLE CONCENTRATE FORMULATIONS OF THE HERBICIDE TRIFLURALIN ARE
 PRESENTED IN REPORT FORM. RECORDED ARE BROODLEAF WEED AND GRASS WEED CONTROL
 MEASUREMENTS, SOIL PERSISTENCE AND CROP INJURY.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SPARTINA ENVIRONMENTAL PHYSIOLOGY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MAINE TO SOUTH
 CAROLINA
 ABSTRACT AN INVESTIGATION OF SALT MARSH PLANT PHYSIOLOGY
 WITH STATIONS IN MAINE, NEW JERSEY, VIRGINIA, NORTH AND SOUTH CAROLINA IS
 BEING CONDUCTED. ANALYSIS OF THE 15 DOMINANT PLANT SPECIES INCLUDES POTASSIUM,
 PHOSPHORUS, CALCIUM, MANGANESE, IRON, ALUMINUM, BORON, PROTEIN, AND
 CARBOHYDRATES IN BIO MATERIAL ANCILLARY DATA INCLUDES SEDIMENT TEMPERATURE,
 SALINITY AND TOTAL DISSOLVED ORGANIC CARBON.

NAME JOHN L. GALLAGHER
 PHONE NUMBER 912 352 1631
 INSTITUTION OR AGENCY UNIVERSITY OF GEORGIA
 STREET MARINE INSTITUTE
 CITY SAPELO ISLAND
 STATE GEORGIA
 ZIP CODE 31327

FILE NAME SPECIAL PROJECTS-SUMMER 1975
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE BAY,
 CANARY CREEK, FOWLER'S BEACH
 ABSTRACT THIS FILE CONTAINS THE COLLECTED DATA FROM 10
 SPECIAL SUMMER PROJECT REPORTS DONE BY THE UNIVERSITY OF DELAWARE COURSE CMS
 628. MOST OF THE DATA IS OF THE BIOLOGICAL/ENVIRONMENTAL SURVEYS INCLUDING
 BIRD, ZOOPLANKTON, ALGAE, MARSH PLANTS, SHELLFISH, AND FISH. HOWEVER, SOME
 SUPPORTIVE NUTRIENT AND CHEMICAL/PHYSICAL DATA HAVE BEEN INCLUDED. THE AREA
 COVERED IN THESE STUDIES INCLUDED THE LOWER DELAWARE BAY, CANARY CREEK,
 FOWLER'S BEACH, AND THE GENERAL LEWES-REHOBOTH AREA MARSHES AND EMBAYMENTS

NAME REFERENCE LIBRARIAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET MORRIS LIBRARY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SPECTRAL STUDIES OF THE MOUTH OF THE CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W2C1, FLIGHT C1, WAS ACCOMPLISHED ON MAY 31, 1973, UTILIZING THE WOLLOPS FLIGHT CENTER HELICOPTER EQUIPPED WITH AN IZSMA AND A T-11 CAMERA SYSTEM IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO SUPPORT SPECTROGRAPHIC ANALYSIS STUDIES OF THE MOUTH OF THE CHESAPEAKE BAY BEING PERFORMED ON THE SKYLAB SATELLITE. SPECTRAL READINGS WERE ALSO BEING TAKEN FROM GROUND TRUTH BOATS AT THE TIME OF THE WOLLOPS FLIGHT.

NAME MICHAEL CONGER
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME SPOIL STUDIES ON THE EASTERN SHORE OF MARYLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL FLAIN, U.S., MARYLAND, QUEEN ANN, SOMERSET, WACCAMICO, AND DORCHESTER COUNTY
 ABSTRACT A STUDY OF VEGETATIVE REHABILITATION OF 6 SPOIL SITES ON THE BAY SIDE OF THE EASTERN SHORE, MARYLAND IS BEING CONDUCTED. REHABILITATION STUDY OF 6 SPOIL SITES CONSISTS OF ONE CROSS TRANSECT AT EACH SITE. SAMPLES ARE TAKEN EVERY 50 FEET ALONG TRANSECT ARM. VEGETATIONAL APPEARANCE AND SPECIES LIST FOR BOTH SUPER AND INTER-TIDAL SAMPLES ARE NOTED.

NAME JAMES R. GOLDBERRY, DIRECTOR
 PHONE NUMBER 301 267 5195
 INSTITUTION OR AGENCY MARYLAND WILDLIFE ADMINISTRATION, DEPARTMENT OF NATURAL RESOURCES
 STREET TAWES STATE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME SPORT FISHING CATCH RECORD FROM STEEL PIER, VA BEACH
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA BEACH
 ABSTRACT THE DAILY SPORT FISHING CATCH RECORDS FROM THE STEEL PIER AT VIRGINIA BEACH WERE MEASURED FOR 735 DAYS. THE FISHING WAS SAMPLED FROM MARCH THROUGH OCTOBER.

NAME C E RICHARDS
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME SPORT FISHING RECORD SURVEY OF VIRGINIA WATERS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA
 ABSTRACT THE SPORT FISHING RECORD SURVEY OF CHARTER BOATS IN VIRGINIA WATERS OF THE CHESAPEAKE BAY FOR 10 YEARS TO ESTABLISH PATTERNS IN SPORT FISHING SURVEY OF SMALL BOAT FISHERMEN BY INTERVIEW AND LOG BOOK PLUS ESTIMATED EFFORT BY SELECTED AND RANDOM COUNTS OF BOATS.

NAME C E RICHARDS
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME SPORT FISHING SURVEY OF THE DELAWARE ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., DELAWARE BAY
 ABSTRACT DATA COLLECTED DURING A SURVEY CARRIED OUT FROM 1971 TO 1973 ON THE SPORT FISHERIES ACTIVITIES IN THE DELAWARE ESTUARY ARE PRESENTED IN REPORT FORM. EMPHASIZED IN THE STUDY ARE THE RESULTS OF AN ANNUAL CENSUS ON THE SPECIES AND NUMBERS OF FISH LANDED BY TYPE OF FISHING.

NAME STAFF - DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME SQUARE FOOT DATA ON INSECT POPULATIONS IN WHITE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, DELAWARE, WHITE CLAY CREEK
 ABSTRACT STAGE, HABITAT AND POPULATION DENSITY OF INSECT POPULATIONS IN THE WHITE CLAY CREEK WATERSHED AREA WERE STUDIED FROM 1969 TO 1972

NAME ROBIN VANANTE
 PHONE NUMBER 215 268 2153
 INSTITUTION OR AGENCY STROCK WATER RESEARCH CENTER
 STREET EAST LONDON GROVE STREET
 CITY LONDON GROVE
 STATE PENNSYLVANIA
 ZIP CODE 19734

FILE NAME STANDARD PENETRATION TESTS ON DEEP SEA CORES
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
 ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS
 INSTITUTION OF OCEANOGRAPHY IS UNDERTAKEN ON THE ADVICE OF THE JOINT
 OCEANOGRAPHIC INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). TO DATE DSDP HAS
 TAKEN GEOLOGICAL AND GEOPHYSICAL DATA FROM THE DRILLING SHIP GLCMAR CHALLENGER
 AT 383 SITES OVER THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED
 AND ARCHIVED BY THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND
 RETRIEVAL METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE
 FROM THE GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS
 A SEPARATE FILE. STANDARD PENETRATION TESTS USING A PENETROMETER WERE APPLIED
 TO MANY OF THE CORES. THE RESULTING MEASURE OF STIFFNESS IS EXPRESSED IN MM OF
 PENETRATION. THE TEST IS PERFORMED ABOUT 3 TIMES PER SECTION.

NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3526
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF
 OCEANOGRAPHY
 STREET P.O. BOX 1525
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92093

FILE NAME STATISTICAL ANALYSIS OF DATA FROM EFFECTS STATIONS
 IN NEW YORK STATE - 1971 - 1972
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., GREAT LAKES, LAKE ONTARIO, NEW
 YORK
 ABSTRACT 20 STATIONS MEASURING THE EFFECTS OF AIR POLLUTION
 ON VARIOUS MATERIALS IN EVERYDAY USE. EFFECTS ARE NOTED AT DEGRADATION IN THE
 FORM OF CORROSION OF METALS, FADING OF FABRIC DYES, BREAKAGE OF NYLON
 FILAMENTS AND CRACKING OF RUBBER MATERIALS ARE EXPOSED ANYWHERE FROM 7 DAYS TO
 A YEAR.

NAME DIRECTOR
 PHONE NUMBER 315 782 0100 X306
 INSTITUTION OR AGENCY NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION,
 REGION 6, ENVIRONMENTAL QUALITY OFFICE
 STREET 317 WASHINGTON STREET
 CITY WATERLOO
 STATE NEW YORK
 ZIP CODE 13601

FILE NAME STATUS OF THE EASTERN COYOTE IN NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT ACCOUNTS OF NINE SPECIMENS OF THE EASTERN COYOTE
 WHICH HAD BEEN COLLECTED IN NEW JERSEY FROM DECEMBER 1958 THROUGH JANUARY 1975
 WERE PRESENTED IN REPORT FORM. AGES, SEX, WEIGHTS, AND BIOLOGICAL CONDITION OF
 COYOTES WERE GIVEN.

NAME PRINCIPAL WILDLIFE BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME STEEL SHOT EVALUATION AND WATERFOWL MORTALITY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT DURING THE 1976-1977 WATERFOWL HUNTING SEASON IN
 NEW JERSEY, GIZZARD ANALYSIS, BOTTOM SAMPLING AND HUNTER SURVEYS WERE
 UTILIZED TO DETERMINE MORTALITY CAUSES FROM HUNTING. ANALYSES WERE PERFORMED
 TO DETERMINE EFFECT OF LEAD SHOT ON WATERFOWL MORTALITY.

NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6886
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME STRATIFICATION STUDIES OF THE WHITE-FOOTED MOUSE,
 PEROMYSCUS LEUCOPUS MOLVEBERACENSIS (FISHER), (RODENTIA, CRICETIDAE) IN A
 DELAWARE DECIDUOUS WOODLOT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 A STUDY CONDUCTED DURING 1966-1967 IN A DELAWARE DECIDUOUS WOODLOT TO
 DETERMINE THE EXTENT OF AREAL STRATIFICATION OF THE WHITE-FOOTED MOUSE,
 PEROMYSCUS LEUCOPUS MOLVEBERACENSIS, AT 3 LEVELS (GROUND LEVEL, 1 METER AND 2
 METERS) AND TO EVALUATE VERTICAL MOVEMENTS AS RELATED TO HABITAT CHARACTER.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME STREAM IMPROVEMENT PROGRAM FOR ANADROMOUS FISH
 MANAGEMENT AFC-3, ANADROMOUS FISH SURVEY 1969
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND DRAINAGES
 ABSTRACT 456 STREAMS IN FORTY-THREE DRAINAGE SYSTEMS IN
 EIGHTEEN TIDEWATER, MARYLAND, COUNTIES WERE INVESTIGATED FOR WATER QUALITY AND
 SPANNING USE BY ANADROMOUS FISH SPECIES.
 NAME C JAY O'DELL
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES, FISHERIES
 ADMINISTRATION
 STREET TAWES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME STREAM IMPROVEMENT PROGRAM FOR ANADROMOUS FISH
 MANAGEMENT AFC-3, ANADROMOUS FISH SURVEY 1970
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT 180 STREAMS IN THIRTY MARYLAND RIVER SYSTEMS WERE
 INVESTIGATED FOR WATER QUALITY AND SPANNING USE BY ANADROMOUS FISH SPECIES.
 NAME C JAY O'DELL
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES, FISHERIES
 ADMINISTRATION
 STREET TAWES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME STREAM IMPROVEMENT PROGRAM FOR ANADROMOUS FISH
 MANAGEMENT AFC-3 CHESTER RIVER FISH INVESTIGATION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 CHESTER RIVER DRAINAGE
 ABSTRACT FISH INVESTIGATIONS WERE CONDUCTED TO DEVELOP AND
 EVALUATE SEINING AND ELECTROFISHING TECHNIQUES FOR SMALL STREAMS, TO INDICATE
 SPANNING AREAS AND NURSERY AREAS FOR ANADROMOUS SPECIES, AND TO DETERMINE
 PERIODS OF TIME SPENT IN THESE AREAS WITHIN THE CHESTER RIVER DRAINAGE.
 NAME C JAY O'DELL
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES, FISHERIES
 ADMINISTRATION
 STREET TAWES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME STREAM IMPROVEMENT PROGRAM FOR ANADROMOUS FISH
 MANAGEMENT AFC-3, CHESTER RIVER WATER QUALITY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 CHESTER RIVER DRAINAGE
 ABSTRACT WATER QUALITY DATA WAS OBTAINED FOR 141 SITES
 WITHIN THE CHESTER RIVER DRAINAGE, IN MARYLAND, CHOSEN AS A PILOT STUDY AREA.
 NAME C JAY O'DELL
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES, FISHERIES
 ADMINISTRATION
 STREET TAWES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME STREAM IMPROVEMENT PROGRAM FOR ANADROMOUS FISH
 MANAGEMENT AFC-3; INVENTORY OF DAMS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 MARYLAND TIDEWATER STREAMS
 ABSTRACT AN INVENTORY OF STREAM IMPOUNDMENTS OR DAMS WITHIN
 EIGHTEEN MARYLAND COUNTIES WAS UNDERTAKEN TO DETERMINE THE TOTAL LENGTH AND
 NUMBER OF STREAMS AVAILABLE ASSPANNING AND NURSERY AREAS.
 NAME C JAY O'DELL
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES, FISHERIES
 ADMINISTRATION
 STREET TAWES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME STREAM IMPROVEMENT PROGRAM FOR ANADROMOUS FISH
 MANAGEMENT, AFC-3; STREAM INVESTIGATION AND IMPROVEMENT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND
 ABSTRACT 188 STREAMS IN MARYLAND WERE INVENTORIED TO
 IDENTIFY THOSE HAVING POTENTIAL TO SUPPORT SPANNING RUNS OF ANADROMOUS FISH,
 TO DETERMINE PROBLEM AREAS, HABITAT TYPE, DEVELOPMENTAL STATUS AND OTHER
 ECOLOGICAL INFORMATION. LOGS OR OTHER OBSTRUCTIONS TO MIGRATION WERE REMOVED
 FROM MANY STREAMS.
 NAME C JAY O'DELL
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES, FISHERIES
 ADMINISTRATION
 STREET TAWES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME STREAM QUALITY DATA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., GREAT LAKES, NEW YORK
 ABSTRACT THE UNITED STATES GEOLOGICAL SURVEY, DIVISION OF
 WATER RESOURCES, MAINTAINS A STREAM QUALITY NETWORK. APPROXIMATELY SEVENTY
 PARAMETERS ARE MEASURED. HOWEVER THE NUMBER OF PARAMETERS DETERMINED AT EACH
 STATION VARIES. THE FREQUENCY OF SAMPLING IS ALSO VARIABLE, DEPENDING UPON
 PARAMETER AND CONDITIONS. RECORDS ARE AVAILABLE FROM 1941 AND ARE STORED ON
 MAGNETIC DISC. THERE ARE APPROXIMATELY 125 STATIONS WITHIN THE WATER QUALITY
 NETWORK. PHYSICAL, CHEMICAL AND BIOLOGICAL PARAMETERS ARE ALL OF MAJOR CONCERN.
 NAME CHIEF OF COMPUTER APPLICATIONS
 PHONE NUMBER 518 472 3107
 INSTITUTION OR AGENCY UNITED STATES GEOLOGICAL SURVEY
 STREET BOX 548
 CITY ALBANY
 STATE NEW YORK
 ZIP CODE 12201

FILE NAME STREAM SURVEY ON THE MULLICA RIVER AND TRIBUTARIES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, MULLICA RIVER
 ABSTRACT WATER QUALITY SAMPLING AND ANALYSIS WAS PERFORMED
 IN THE MULLICA RIVER OVER A THREE YEAR PERIOD.
 NAME DEPARTMENT CHIEF
 PHONE NUMBER 609 292 7754
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER RESOURCES, BIOLOGICAL-TECHNICAL SUPPORT UNIT
 STREET P.O. BOX 2809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME STRIPED BASS TAGGING PROGRAM
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND
 ABSTRACT DATA ON 6320 STRIPED BASS TAGGED IN MARYLAND WATERS
 BETWEEN 1954 AND 1961. SIZE, SEX RATIOS, AGE, MOVEMENTS OF TAGGED FISH. DATA
 FROM RETURNS SPANS AREA FROM NORTH CAROLINA TO MASSACHUSETTS. INTENDED TO
 PROVIDE MIGRATION PATTERN DATA. INCLUDES 10 INCH TO JUMBO FISH.
 NAME JOSEPH BOONE
 PHONE NUMBER 301-267-5765
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAKES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME STRUCTURE AND DERELICT SURVEY OF LIBERTY STATE
 PARK, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, LIBERTY STATE PARK
 ABSTRACT THIS REPORT IS AN INVENTORY OF MATERIAL AND REFUSE
 ON AND ABOUT THE PIERS IN LIBERTY STATE PARK, NEW JERSEY, AND A BATHYMETRIC
 SURVEY OF THE PARCEL ADJOINING THE PARK.
 NAME PHILIP SEARS
 PHONE NUMBER 212 885 7350
 INSTITUTION OR AGENCY VAN HOUTEN ASSOCIATES, INC
 STREET 420 LEXINGTON AVENUE
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10017

FILE NAME STUDIES OF COPEPODS ASSOCIATED WITH MARINE SPONGES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTHEASTERN COASTAL, WOODS
 HOLE, BOOTHBAY HARBOR, SWANS ISLAND, MAINE
 ABSTRACT DR. MURKANE HAS BEEN WORKING, SINCE 1960, WITH
 COPEPODS ASSOCIATED WITH MARINE SPONGES. AS PART OF THIS WORK, WATER
 TEMPERATURE AND SALINITY ARE RECORDED IN THE GENERAL AREA OF THE HOST
 ORGANISMS. SPONGES ARE COLLECTED BY DREDGING TO OBTAIN LIVE SPECIMENS OF
 COPEPODS FOR PRESERVATION UNDER EXPERIMENTAL CONDITIONS.
 NAME DR. JOHN MURKANE
 PHONE NUMBER NO TELEPHONE AT SIMS, CONTACT BY MAIL
 INSTITUTION OR AGENCY SWANS ISLAND MARINE STATION
 CITY MINILUN
 STATE MAINE
 ZIP CODE 04659

FILE NAME STUDIES OF LACE BUGS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW ENGLAND
 ABSTRACT AS PART OF HIS STUDY OF THE LIFE HISTORIES OF LACE
 BUGS, EXTENSIVE SAMPLE COLLECTIONS WERE MADE BY DR. NORMAN BAILEY, NOW A
 PERMANENT RESIDENT OF SWANS ISLAND, MAINE. THIS COLLECTION IS THOUGHT TO BE
 THE BEST NEW ENGLAND COLLECTION, CONTAINING 40 TO 50 SPECIES. HE HAS ALSO
 DONE A CHECKLIST OF LACE BUGS ON SWANS ISLAND.
 NAME DR. NORMAN S. BAILEY
 PHONE NUMBER 207 526 3144
 INSTITUTION OR AGENCY MEHLER LABORATORY
 CITY SWANS ISLAND
 STATE MAINE
 ZIP CODE 04685

FILE NAME STUDIES OF THE FACTORS DETERMINING DROSOPHILA
 POPULATIONS IN TOMATO AGRICECOSYSTEMS OF SOUTHERN NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, WATERFORD
 ABSTRACT THIS STUDY INVESTIGATES THE POPULATION DYNAMICS OF
 DROSOPHILA IN TOMATO AND OTHER NEARBY AGRICECOSYSTEMS. FACTORS CONSIDERED WERE
 SEASONAL ABUNDANCE RELATED TO FOOD SUPPLY, WIND SHELTER AND WEATHER AND
 CONTRIBUTIONS OF EMERGENCE, IMMIGRATION AND SURVIVAL TO POPULATION CHANGE
 NAME REFERENCE LIBRARIAN
 PHONE NUMBER 201 732 1766
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME STUDIES OF THE GREAT EGG HARBOR RIVER AND BAY, USE
 STUDIES-PHASE III
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT EGG HARBOR RIVER AND BAY
 ABSTRACT A USE STUDY OF THE GREAT EGG HARBOR ESTUARY, NEW
 JERSEY WAS CONDUCTED FROM SEPTEMBER 1970 THROUGH AUGUST 1971. COUNTS FROM
 AERIAL SURVEYS WERE USED TO CALCULATE ESTIMATED MAN DAYS OF USERS OF THE STUDY
 AREA IN 5 DIFFERENT ACTIVITY CATEGORIES.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 652 9569
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND SHELLFISH, BUREAU OF FISHERIES
 STREET NACOTE CREEK RESEARCH STATION
 CITY ABSECON
 STATE NEW JERSEY
 ZIP CODE 08201

FILE NAME STUDIES OF THE GREAT EGG HARBOR RIVER AND BAY,
 CHEMICAL-PHYSICAL STUDIES-PHASE II
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT EGG HARBOR RIVER AND BAY
 ABSTRACT A CHEMICAL-PHYSICAL STUDY OF GREAT EGG HARBOR, NEW
 JERSEY WAS CONDUCTED FROM SEPTEMBER 1970 THROUGH AUGUST 1971 TO MAP AND
 DESCRIBE THE PHYSICAL AND CHEMICAL ATTRIBUTES OF THE GREAT EGG HARBOR ESTUARY.
 MEASURED WATER QUALITY PARAMETERS INCLUDED TEMPERATURE, SALINITY, PH,
 DISSOLVED OXYGEN, AND DISSOLVED CARBON DIOXIDE. MEASURED NUTRIENT WATER
 QUALITY PARAMETERS INCLUDED NITRATE, NITRITE, AMMONIUM, ORTHOPHOSPHATE, TOTAL
 PHOSPHATE, AND DETERGENT CONCENTRATIONS. CONCENTRATIONS OF SEVERAL CHLORINATED
 HYDROCARBONS IN FISH TISSUES WERE ALSO PRESENTED.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 652 9569
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND SHELLFISH, BUREAU OF FISHERIES
 STREET NACOTE CREEK RESEARCH STATION
 CITY ABSECON
 STATE NEW JERSEY
 ZIP CODE 08201

FILE NAME STUDIES OF THE GREAT EGG HARBOR RIVER AND BAY, FISH
 STUDIES-PHASE I
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT EGG HARBOR RIVER AND BAY
 ABSTRACT A SURVEY OF THE FISHES OF PECK'S BAY, GREAT EGG
 HARBOR BAY AND RIVER, THE TUCKAHOE RIVER, AND THE MIDDLE RIVER, NEW JERSEY WAS
 CONDUCTED FROM SEPTEMBER 1970 THROUGH AUGUST 1971. MEASURED PARAMETERS OF
 WATER QUALITY INCLUDED SALINITY AND TEMPERATURE.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 652 9569
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISH, BUREAU OF FISHERIES
 STREET NACOTE CREEK RESEARCH STATION
 CITY ABSECON
 STATE NEW JERSEY
 ZIP CODE 08201

FILE NAME STUDIES OF THE STANDING CROPS OF FISH IN NEW JERSEY
 LAKES AND PONDS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT A STUDY ON FISH POPULATIONS IN VARIOUS NEW JERSEY
 LAKES WAS CONDUCTED FROM NOVEMBER 1953 THROUGH OCTOBER 1962 TO GAIN INSIGHT
 INTO CHARACTERISTICS OF FISH POPULATIONS AND THEIR RELATION TO CRITERIA FOR
 POPULATION BALANCES AND HARVESTABLE COMPOSITIONS UNDER DIFFERING MEASURES OF
 ALKALINITY. MEASURED PARAMETERS OF WATER QUALITY INCLUDED ELECTRICAL
 CONDUCTIVITY, TOTAL ALKALINITY, AND PH.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME STUDIES OF THE UPPER BARNEGAT SYSTEM, PHASE I-FISH
 STUDIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 UPPER BARNEGAT ESTUARY
 ABSTRACT A SURVEY OF THE FISHES IN THE UPPER BARNEGAT
 ESTUARINE SYSTEM, NEW JERSEY WAS CONDUCTED FROM DECEMBER 1971 THROUGH NOVEMBER
 1972 TO DETERMINE WHAT SPECIES OF FINFISH UTILIZE ESTUARINE WATERS. MEASURED
 PARAMETERS OF WATER QUALITY INCLUDED TEMPERATURE AND SALINITY.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 652 9589
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND SHELLFISH, BUREAU OF FISHERIES
 STREET NACOTE CREEK RESEARCH STATION
 CITY ABSECON
 STATE NEW JERSEY
 ZIP CODE 08201

FILE NAME STUDIES ON OSMOTIC AND IONIC REGULATION IN THE BLUE
 CRAB, CALLINectes SAPIIDUS RATHBUN
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
 BAY, VIRGINIA
 ABSTRACT OSMOTIC CONCENTRATION, SODIUM AND POTASSIUM
 REGULATION IN BLOOD OF THE BLUE CRAB, CALLINectes SAPIIDUS, AT VARIOUS
 ENVIRONMENTAL SALINITIES
 NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME STUDY OF BEACH FAUNAS OF A BARRIER ISLAND, DUCK,
 NORTH CAROLINA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTH CAROLINA, DARE COUNTY
 ABSTRACT A ONE YEAR STUDY OF BEACH FAUNA AND ITS ECOLOGY ON
 A BARRIER ISLAND AT DUCK, NORTH CAROLINA.
 NAME DR. V.J. BELLIS
 PHONE NUMBER 919 758 6718
 INSTITUTION OR AGENCY EAST CAROLINA UNIVERSITY
 STREET DEPARTMENT OF BIOLOGY
 CITY GREENVILLE
 STATE NORTH CAROLINA
 ZIP CODE 27834

FILE NAME STUDY OF THE ENVIRONMENTAL EFFECTS OF NUCLEAR POWER
 PLANT LOCATION IN NEW YORK
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., GREAT LAKES, NEW YORK, FORT
 CRUM AND NINE MILE POINT AND STERLING AND WASHINGTON AND ATHENS AND JAMESPORT
 ABSTRACT A MODEL FOR COMPARING ENVIRONMENTAL IMPACTS OF
 NUCLEAR POWER STATIONS BASED ON THE STABILITY, FRAGILITY, RARITY AND ECOTONE
 DIVERSITY OF TERRESTRIAL ECOSYSTEMS WAS USED TO EVALUATE THE IMPACT OF ONE
 LARGE CENTER AT FORT CRUM, NEW YORK, COMPARED TO FIVE DISPERSED SITES AT
 STERLING, NINE MILE POINT, WASHINGTON, ATHENS, AND JAMESPORT, NEW YORK.
 NAME HIGG C. CAMPAN
 PHONE NUMBER 716 473 8666
 INSTITUTION OR AGENCY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY
 STREET 323 GRAY HALL
 CITY SYRACUSE
 STATE NEW YORK
 ZIP CODE 13210

FILE NAME STUDY OF ZOOPLANKTON IN SOUTHERN NEW JERSEY
 WETLANDS AREA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NEW JERSEY, STONE
 HARBOR
 ABSTRACT THIS STUDY OF FAUNAL POPULATIONS AND NUTRIENTS IS
 BEING DONE IN THE WETLANDS AREA OF SOUTHERN NEW JERSEY. FIVE FIXED STATIONS
 ARE USED TO GATHER WATER SAMPLES FOR NITRATE AND PHOSPHATE ANALYSES, AND
 ECOLOGICAL SAMPLES FOR SPECIES DETERMINATIONS AND COUNTS. PRESENT DATA ALSO
 INCLUDE TEMPERATURE AND SALINITY OF WATER AND CADMIUM CONTENT OF BIOLOGICAL
 MATERIALS. DATA TO BE ADDED TO THE PRESENT WORK ARE: CADMIUM, NITRATE, AND
 PHOSPHATE IN SEDIMENTS AND SEASONAL VARIATIONS IN FISH EGGS AND LARVAE.
 NAME S.S. HERMAN
 PHONE NUMBER 215 691 7000 X582
 INSTITUTION OR AGENCY DEPT OF BIOLOGY, LEHIGH UNIVERSITY
 CITY BETHLEHEM
 STATE PENNSYLVANIA
 ZIP CODE 18018

FILE NAME SUBLITTORAL MEIOBENTHOS OF THE NEW YORK BIGHT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, N.Y. BIGHT, COASTAL
 ABSTRACT THE ECOLOGY AND DISTRIBUTION OF THE SUBLITTORAL
 MEIOBENTHOS OCCURRING IN THE SEDIMENTS OF THE LOWER HUDSON RIVER AND NEW YORK
 BIGHT WILL BE OF MAJOR CONCERN. DURING THE PERIOD OF THIS PROJECT EMPHASIS
 WILL BE PLACED ON ASCERTAINING THE QUANTITATIVE DISTRIBUTION OF THE MEIOFAUNA
 POPULATION DENSITIES AND BIOMASS. THE RELATIONSHIPS BETWEEN THE SPATIAL
 DISTRIBUTION OF THE MEIOFAUNA AND SEDIMENTS WILL BE EXAMINED. SEASONAL
 FLUCTUATIONS IN MEIOFAUNA POPULATION DENSITIES WILL ALSO BE EXAMINED.
 DETAILED INVESTIGATION OF THE TEMPORAL AND SPATIAL DISTRIBUTION OF THE
 DOMINANT TAXON, THE FREE-LIVING NEMATODES, WILL COMMENCE DURING THE YEAR.

NAME DR. JOHN TIETJEN
 PHONE NUMBER 212 621 7433
 INSTITUTION OR AGENCY DEPARTMENT OF BIOLOGY, CITY COLLEGE OF NEW YORK
 STREET 138TH STREET AND CONVENT AVENUE
 CITY NEW YORK
 STATE NEW YORK
 ZIP CODE 10031

FILE NAME SUBORDINATE TIDAL STATION SUMMARY FILE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S.,
 COASTAL, MAINE, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, NEW YORK, NEW
 JERSEY, PENNSYLVANIA, DELAWARE, MARYLAND, VIRGINIA, NORTH CAROLINA, SOUTH
 CAROLINA, GEORGIA, FLORIDA, ALABAMA, MISSISSIPPI, LOUISIANA, TEXAS,
 CALIFORNIA, OREGON, WASHINGTON, ALASKA, HAWAII
 ABSTRACT OBSERVATIONS AT SUBORDINATE (SECONDARY) TIDAL
 STATIONS ARE SUMMARIZED IN THIS FILE. THE INFORMATION COMES FROM A SHORT
 SERIES OF OBSERVATIONS MADE AT THE SUBORDINATE STATIONS. THE DATA IS THEN
 REDUCED BY COMPARISON WITH SIMULTANEOUS OBSERVATIONS AT ANOTHER STATION HAVING
 WELL DETERMINED TIDAL CONSTANTS. PARAMETERS INCLUDED ARE: 1-DATES OF
 OBSERVATIONS, 2-MEAN TIDE LEVEL, 3-MEAN LOW WATER (ATLANTIC COAST) OR MEAN
 LOWER LOW WATER (PACIFIC COAST), 4-BENCH MARK, 5-TIDAL RANGE.

NAME CHIEF, TIDES BRANCH
 PHONE NUMBER 301 456 8468
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME SUBSTRATE SELECTIVE PROPERTIES OF MARSH PLANTS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., BAR HARBOR MAINE,
 LEWIS DELAWARE, SAPELO ISLAND GEORGIA
 ABSTRACT AN INVESTIGATION OF THE RELATIONSHIP BETWEEN SALT
 MARSH PLANTS AND SEDIMENT CHEMISTRY IS BEING CONDUCTED. STATIONS ARE IN MAINE,
 NEW JERSEY, AND GEORGIA. 10 DOMINANT PLANT SPECIES ARE CORRELATED WITH SOIL
 COLOR, DENSITY, TEXTURE, PH, SALINITY, TEMPERATURE, ORGANIC CARBON, MANGANESE,
 IRON, POTASSIUM, PHOSPHORUS, CHLORIDE, AMMONIA, NITRITE, NITRATE, AND TOTAL
 NITROGEN.

NAME JOHN L. GALLAGHER
 PHONE NUMBER 912 352 1631
 INSTITUTION OR AGENCY UNIVERSITY OF GEORGIA
 STREET MARINE INSTITUTE
 CITY SAPELO ISLAND
 STATE GEORGIA
 ZIP CODE 31327

FILE NAME SUBSURFACE IRRIGATION OF CORN AND ALFALFA AS
 INFLUENCED BY FERTILIZATION AND CRIFICE DESIGN AND ROOT GROWTH INHIBITORS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 FIELD STUDIES CONDUCTED IN DELAWARE FROM 1967 TO 1968 ON THE EFFECTS OF
 SUBSURFACE IRRIGATION CRIFICE DESIGN AND FERTILIZATION RATES ON YIELD AND
 NUTRIENT ABSORPTION IN CORN GRAINS, CORN SILAGE AND ALFALFA.

NAME MORRIS LIERARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME SUCCESION IN A MARINE FOULING COMMUNITY: CHANGES
IN COMMUNITY STRUCTURE AND MECHANISMS OF DEVELOPMENT
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, BROCKKILL
RIVER ESTUARY
ABSTRACT THE DEVELOPMENT OF THE MARINE FOULING COMMUNITY IN
THE BROCKKILL RIVER ESTUARY, DELAWARE WAS STUDIED FROM MAY, 1974 THROUGH
JANUARY, 1976. SESSILE INVERTEBRATES AND THEIR MOTILE ASSOCIATES WERE
COLLECTED ON ASBESTOS - CEMENT PANELS SET OUT OVER VARYING PERIODS OF TIME.
BOTH PLAIN PANELS AND MIMIC PANELS WERE UTILIZED. COLONIZATION CURVES DERIVED
FROM THE DATA REVEALED THAT THE FOULING COMMUNITY REACHED A CYCLICAL
EQUILIBRIUM IN THE NUMBER OF SPECIES WITHIN TWO YEARS. IN ADDITION, GRAPHS
SHOWING THE CHANGES OF ABUNDANCE OF THE FIVE DOMINANT SESSILE SPECIES WERE
DERIVED.

NAME INTER-LIBRARY LOAN
PHONE NUMBER 302 738 2965
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
STREET SOUTH COLLEGE AVENUE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME SUDDEN IONOSPHERIC DISTURBANCES C-6
GENERAL GEOGRAPHIC AREA WORLDWIDE
ABSTRACT SUDDEN IONOSPHERIC DISTURBANCES CONSIST OF
SHORT-WAVE FADEOUTS (SWF), SUDDEN COSMIC NOISE ABSORPTION (SCNA), SUDDEN
ENHANCEMENT OF ATMOSPHERICS (SEA), SUDDEN FREQUENCY DEVIATIONS (SFD), SUDDEN
PHASE ANOMALY (SPA), AND SUDDEN ENHANCEMENT OF SIGNAL (SES), THESE PHENOMENA
ARE INDIRECT DETECTORS OF SOLAR FLARES. IN PAST DETAILS FROM EACH STATION WERE
PUBLISHED, BEGINNING JAN 1963; A TABLE GIVES DATE; BEGINNING, ENDING AND
MAXIMUM TIME IN UT FOR EACH EVENT; AN IMPORTANCE RATING (1 TO 3); WIDESPREAD
INDEX; NUMBER OF STATION REPORTS BY TYPE; FLARE IF KNOWN; MAGNITUDE REGION. BELOW
TABLE PERIODS OF NO OBSERVATIONS AND STATIONS REPORTING ARE GIVEN. A TABLE
INDICATES NUMBER OF SID PER DAY BY MAGNITUDE REGION. ALL ABOVE PUBLISHED IN
SOLAR-GEOPHYSICAL DATA. MANY UNSCALED STRIP CHARTS OF HF FIELD STRENGTH
RECORDINGS IN ARCHIVES. THESE CAN BE EXAMINED FOR SWF. COPIES OF THE
INDIVIDUAL STATION REPORTS AVAILABLE ON REQUEST

NAME DIVISION CHIEF
PHONE NUMBER 303 499 1000 X6467
INSTITUTION OR AGENCY SOLAR-TERRRESTRIAL PHYSICS D63
STREET NCA/EDS/NGSCC
CITY BOULDER
STATE COLORADO
ZIP CODE 80302

FILE NAME BENTHIC
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, CONTINENTAL SHELF, U.S., MIDDLE
ATLANTIC BIGHT, CHESAPEAKE BIGHT, INTERIM OCEAN DUMPSITE
ABSTRACT BENTHIC MACROINVERTEBRATE DATA COLLECTED WITH A
SHIPEK GRAB DURING A PRELIMINARY SURVEY CRUISE TO AN INTERIM SLUDGE DUMPING
SITE, OPERATION QUICKSILVER, WERE PRESENTED IN REPORT FORM. THE PURPOSE OF THE
CRUISE WAS TO COLLECT ENVIRONMENTAL DATA OF THE DUMPSITE AREA BEFORE DUMPING
HAD COMMENCED. THE CRUISE TOOK PLACE IN MAY 1973.
NAME DON MAUFER
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
CITY LEWES
STATE DELAWARE
ZIP CODE 19958

FILE NAME SUMMARY OF MOSQUITO TRAP COLLECTION RECORDS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, US, EAST COAST, DELAWARE, CHERRY
ISLAND, CLAYMONT, DELAWARE CITY, GLENVILLE, ST. GEORGES, STOCKTON, BETHANY
BEACH, BROCKKILL, DEWEY BEACH, COVER, LEWES, MILFORD, REMBOOTH, MCGRES LAKE
ABSTRACT DATA IS PRESENTED INDICATING RELATIVE ABUNDANCE OF
FEMALE MOSQUITOES FOR THE 10 YEAR PERIOD 1965-1975 IN THE STATE OF DELAWARE.
AS AN EXPLANATION DESCRIBING THE POSSIBLE REASONS FOR THE FLUCTUATIONS WOULD
INVOLVE A DETAILED ANALYSIS CONSIDERING SUCH FACTORS AS TIDES, RAINFALL,
TEMPERATURE AND INSECTICIDE USAGE.

NAME ROBERT LAKE
PHONE NUMBER 302 738 2526
INSTITUTION OR AGENCY DEPARTMENT OF ENTOMOLOGY
STREET UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME SURFACE OIL DETECTION
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
ABSTRACT MISSION W020, FLIGHT01, WAS ACCOMPLISHED ON AUGUST
13, 1970, UTILIZING A HALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH 4
T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO DETERMINE THE OPTIMUM FILM
AND FILTER COMBINATION FOR DETECTING OIL SPILLS USING REMOTE SENSING
TECHNIQUES.

NAME M. COOPER
PHONE NUMBER 804 824 3411
INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
STREET CHESAPEAKE BAY ECOLOGICAL OFFICE
CITY HALLOPS ISLAND
STATE VIRGINIA
ZIP CODE 23337

FILE NAME SURFACE OIL DETECTION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W055, FLIGHT 01, WAS ACCOMPLISHED ON APRIL 26, 1971, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO DETERMINE THE FILM AND FILTER COMBINATIONS THAT BEST DISTINGUISH OIL SLICKS FROM SALT WATER BACKGROUNDS AT DIFFERENT SUN ANGLES AND FROM VARYING FLYING HEIGHTS.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME SURFACE OIL DETECTION STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W082, FLIGHT 01, WAS ACCOMPLISHED ON AUGUST 30, 1971, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO INVESTIGATE THE USE OF REMOTE SENSING TECHNIQUES IN STUDYING FUEL OIL DISPERSION.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME SURFACE OIL DETECTION STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W085, FLIGHT 01, WAS ACCOMPLISHED ON SEPTEMBER 14, 1971, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH THREE T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO COMPARE THE USE OF FALSE COLOR INFRARED FILM AGAINST BLACK AND WHITE PANCHROMATIC FILM FOR RECORDING THE DISPERSION OF A MANMADE OIL SLICK.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME SURFACE OIL DISPERSION-VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, CHESAPEAKE BAY LIGHT TOWER
 ABSTRACT MISSION W129, FLIGHT 01, WAS ACCOMPLISHED ON MAY 17, 1972, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO PROVIDE MULTISPECTRAL PHOTOGRAPHY OF A MAN-MADE OIL SPILL FOR USE IN STUDYING THE DISPERSION CHARACTERISTICS OF THE OIL OVER AN EXTENDED PERIOD OF TIME.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME SURFACE WATER QUALITY CHESAPEAKE BAY-ATLANTIC OCEAN
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY OCEANVIEW TO SANDBRIDGE
 ABSTRACT FECAL COLIFORM BACTERIA ARE MONITORED AT MONTHLY INTERVALS FROM WATER SAMPLES OBTAINED ALONG THE SOUTH EASTERN COAST OF VIRGINIA, FROM OCEAN VIEW TO SANDBRIDGE.
 NAME M J OWENS, SANITARIAN SUPERVISOR
 PHONE NUMBER 804 427 4261
 INSTITUTION OR AGENCY VIRGINIA BEACH HEALTH DEPARTMENT
 STREET POST OFFICE BOX 6185, PRINCESS ANNE STATION
 CITY VIRGINIA BEACH
 STATE VIRGINIA
 ZIP CODE 23456

FILE NAME SURFACE WATER SAMPLING
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT, LONG ISLAND, ATLANTIC BEACH TO TCBAY BEACH
 ABSTRACT 21 STATIONS LOCATED ALONG THE ATLANTIC AND TCBAY BEACHES WERE SAMPLED FROM APRIL 1971 TO SEPTEMBER OF EACH YEAR UP TO THE PRESENT FOR WATER TEMPERATURE, COLIFORMS, PH, PARTICULATE MATTER, CHLORIDE, BIOCHEMICAL OXYGEN DEMAND, DISSOLVED OXYGEN, NITRATE, NITRITE, AMMONIA, ORTHOPHOSPHATE, AND TOTAL PHOSPHATE.
 NAME ROBERT CUSUMANO
 PHONE NUMBER 516 535 2404
 INSTITUTION OR AGENCY NASSAU COUNTY DEPARTMENT OF HEALTH
 STREET 240 OLD COUNTRY ROAD
 CITY MINEOLA
 STATE NEW YORK
 ZIP CODE 11501

FILE NAME SURFACE WATER TEMPERATURE AND DENSITY AT TIDAL STATIONS
 GENERAL GEOGRAPHIC AREA COASTAL NORTH AND SOUTH AMERICA, PACIFIC ISLANDS
 ABSTRACT SEA WATER TEMPERATURE AND DENSITIES WERE OBSERVED PRIMARILY AT TIDE STATIONS THROUGHOUT COASTAL NORTH AND SOUTH AMERICA. MONTHLY MEANS AND ANNUAL MEANS OF THE SURFACE WATER TEMPERATURE AND DENSITIES ARE GIVEN FOR EACH YEAR OF OBSERVATION AFTER 1964. EARLIER OBSERVATIONS ARE COMBINED IN 5-YEAR GROUPS. NOT ALL STATIONS ARE ACTIVELY PARTICIPATING IN THE PROGRAM AT THE PRESENT TIME. DENSITY VALUES ARE REDUCED TO 15 DEG. C AND CONVERTED TO SIGMA-T.

NAME CHIEF, OCEANOGRAPHIC SURVEY BRANCH
 PHONE NUMBER 301 456 8501
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME SURFACE WATER TURBIDITY IN THE ENTRANCE TO
 CHESAPEAKE BAY, VIRGINIA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA NORTH, VIRGINIA
 ABSTRACT STUDY OF SURFACE WATER TURBIDITY AT ENTRANCE OF
 CHESAPEAKE BAY, VIRGINIA
 NAME JOHN LUDWICK
 PHONE NUMBER 703-485-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME SURVEY OF ANADROMOUS FISH SPawning AREAS AFC-8-3;
 FISH AND PLANKTON SAMPLING IN FRESHWATER TRIBUTARIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT 66 STREAMS IN THE UPPER CHESAPEAKE BAY DRAINAGE WERE SAMPLED WEEKLY FROM MARCH TO JUNE 1972, FOR ADULT ANADROMOUS FISH AND EGGS AND LARVAE.
 NAME C JAY O'DELL
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES, FISHERIES
 ADMINISTRATION
 STREET TAMES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME SURVEY OF ANADROMOUS FISH SPawning AREAS, AFL-8-3;
 SEINING SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT CONDUCTED ALONG 160 SHORELINE SITES IN THE UPPER CHESAPEAKE BAY DRAINAGE TO DETERMINE ANADROMOUS SPECIES NURSERY AREAS.

NAME C JAY O'DELL
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES, FISHERIES
 ADMINISTRATION
 STREET TAMES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME SURVEY OF ANADROMOUS FISH SPawning AREAS AFC-8-3;
 PLANKTON SAMPLING IN UPPER CHESAPEAKE BAY AND ESTUARINE TRIBUTARIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT 46 STREAMS PLUS SEVERAL UPPER CHESAPEAKE BAY STATIONS WERE SAMPLED AT 71 SITES, EACH ONE TIME BETWEEN APRIL AND JUNE 1972 FOR FISH EGGS AND LARVAL FORMS.

NAME C JAY O'DELL
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES, FISHERIES
 ADMINISTRATION
 STREET TAMES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME SURVEY OF ANADROMOUS FISH SPawning AREAS, AFC-8-3;
 WATER QUALITY SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT 167 SITES WERE INVESTIGATED FOR WATER QUALITY AT 8 UPPER CHESAPEAKE BAY SITES, 64 ESTUARIES AND 95 ESTUARINE TRIBUTARIES IN BALTIMORE, HARFORD, KENT, CECIL COUNTIES, MARYLAND DURING MAY AND JUNE 1972.

NAME C JAY O'DELL
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES, FISHERIES
 ADMINISTRATION
 STREET TAMES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME SURVEY OF ANADROMOUS FISH SPawning AREAS AFC-8-3;
 STREAM INVESTIGATION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT STREAM POTENTIAL FOR ANADROMOUS FISH SPawning WAS
 INVESTIGATED BY SURVEYING HABITAT TYPES, AND NOTING PROBLEM AREAS, ALONG THE
 SHORELINES OF 110 STREAMS IN THE POTOMAC RIVER DRAINAGE.
 NAME C JAY O'DELL
 PHONE NUMBER 301-267-5361
 INSTITUTION OR AGENCY DEPARTMENT OF NATURAL RESOURCES, FISHERIES
 ADMINISTRATION
 STREET TAMES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME SURVEY OF AVIAN MALARIA OCCURRING IN DIVING DUCKS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE
 BAY-PANLICC SOUND
 ABSTRACT IDENTIFICATION OF POTENTIAL PATHOGENS ALONG WITH
 THEIR HOST RANGE AND ESTABLISHING NORMAL BIOLOGICAL RELATIONSHIPS AMONG HOST
 AND PARASITE SPECIES.
 NAME R. I. SMITH, DIRECTOR
 PHONE NUMBER 301 776 4860
 INSTITUTION OR AGENCY PATIENT WILDLIFE RESEARCH CENTER
 STREET MIGRATORY BIRD AND HABITAT RESEARCH LABORATORY
 CITY LAUREL
 STATE MARYLAND
 ZIP CODE 20810

FILE NAME SURVEY OF HUNTER-USE ON STATE WILDLIFE MANAGEMENT
 AREAS III-1
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 EASTERN SHORE
 ABSTRACT MARYLAND STATE WILDLIFE MANAGEMENT AREAS WERE
 SURVEYED FOR NUMBERS OF HUNTING PARTIES FROM AIRCRAFT, TO DETERMINE HUNTER-USE
 ON PEAK-USE DAYS.
 NAME VERNIA STUTTS
 PHONE NUMBER 301-267-5195
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAMES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME SUSPENDED PARTICULATE CONCENTRATIONS FROM HIGH
 VOLUME AIR SAMPLERS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT SINCE 1966, THE STATE OF NEW JERSEY HAS BEEN
 MONITORING SUSPENDED PARTICULATE CONCENTRATIONS FROM HIGH VOLUME AIR SAMPLERS.
 THE FIRST 31 SAMPLERS WERE INSTALLED BY THE FEDERAL GOVERNMENT IN 1966, BUT BY
 1972 THE NUMBER OF SAMPLERS HAD GROWN TO NEARLY 70. ALTHOUGH A FEW SAMPLERS
 HAVE BEEN ELIMINATED SINCE 1966, MOST SAMPLERS HAVE REMAINED IN THE SAME
 LOCATIONS. COMPUTER DATA LISTING ALL PARTICULATE CONCENTRATIONS CAN BE
 OBTAINED AT EITHER ANY E.P.A. OFFICE OR THROUGH THE NEW JERSEY BUREAU OF AIR
 POLLUTION CONTROL.
 NAME SENIOR ENVIRONMENTAL SPECIALIST
 PHONE NUMBER 609 292 6723
 INSTITUTION OR AGENCY NEW JERSEY BUREAU OF AIR POLLUTION CONTROL
 STREET LABOR AND INDUSTRY BUILDING
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME SUSPENDED SEDIMENTS IN THE SHELF WATERS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA TO MIAMI
 ABSTRACT ANALYSIS OF SUSPENDED SOLIDS IN THE SHELF WATERS
 FROM VIRGINIA TO MIAMI. SAMPLES FROM SURFACE TO BOTTOM WITH ANCILLARY
 TEMPERATURE AND SALINITY.
 NAME J.W. PIERCE
 PHONE NUMBER 202 381 5862
 INSTITUTION OR AGENCY SMITHSONIAN INSTITUTE
 STREET DIVISION OF SEDIMENTOLOGY
 CITY WASHINGTON
 STATE DISTRICT OF COLUMBIA
 ZIP CODE 20560

FILE NAME SUSQUEHANNA FLATS DREDGE ISLANDS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND, SUSQUEHANNA FLATS
 ABSTRACT SMALL SCALE SURVEY TO OCCUPY THE FLORAL
 SUCCESSION ON DREDGE SPOIL ISLANDS IN SUSQUEHANNA FLATS. BIRD SPECIES LISTS
 COMPILED FROM 3 VISITS PER YEAR SINCE 1966.
 NAME VERNIA STUTTS
 PHONE NUMBER 301-267-5195
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAMES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME SLSQUEHANNA FLATS VEGETATION SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 MARYLAND SLSQUEHANNA FLATS
 ABSTRACT EXTENSIVE SURVEY OF VEGETATION PRESENT ON THE
 SLSQUEHANNA FLATS. DATA FROM 1957 TO PRESENT, INCLUDES DEPTH, SALINITY, SECCHI
 READING, PLANT SPECIES LISTS, PLANT RELATIVE ABUNDANCE, BENTHIC ANIMAL SPECIES
 LISTS. DATA BASE FOR WATERFOWL FORAGE AVAILABILITY. SEASONALITY OF VEGETATION.
 NAME VERNON STOUTS
 PHONE NUMBER 301-267-5155
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAKES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME T-11 FILTER TEST
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WALLEPS ISLAND
 ABSTRACT MISSION W135, FLT. 1, JUNE 8, 1972, WITH WALLEPS
 STATION C-54 AIRCRAFT OVER NASA, WALLEPS ISLAND AIRFIELD WITH TWO T-11 AERIAL
 CAMERAS. DEJECTIVE - TO TEST ANTIVIGNETTING EFFECTIVENESS AND DETERMINE FILTER
 FACTORS FOR NEW AERIAL CAMERA FILTERS. FLIGHT IN CLEAR WEATHER, NO OVERCAST,
 AIR TEMP. 20 DEG. C AT 2500 FT., MSL WITH WIND OF 10 KNOTS FROM 26 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-624-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME TAGGING AND EXPLOITATION OF ATLANTIC THREAD HERRING
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MARYLAND TO FLORIDA
 ABSTRACT TAGGING AND EXPLOITATION STUDY OF ATLANTIC THREAD
 HERRING FROM CHESAPEAKE BAY TO FLORIDA.
 NAME DIRECTOR
 PHONE NUMBER 919 726 4595
 INSTITUTION OR AGENCY ATLANTIC ESTUARINE FISHERIES CENTER
 STREET NATIONAL MARINE FISHERIES SERVICE
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME TAGGING AND MIGRATION OF ADULT ATLANTIC MENHADEN
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MAINE TO FLORIDA
 ABSTRACT TAGGING AND MIGRATION STUDIES OF ADULT ATLANTIC
 MENHADEN FROM MAINE TO FLORIDA. FIELD NOTES ON FISH CONDITIONS.
 NAME DIRECTOR
 PHONE NUMBER 919 726 4595
 INSTITUTION OR AGENCY ATLANTIC ESTUARINE FISHERIES CENTER
 STREET NATIONAL MARINE FISHERIES SERVICE
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME TAGGING AND MIGRATION OF ADULT ATLANTIC MENHADEN
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT TAGGING AND MIGRATION STUDIES OF ADULT ATLANTIC
 MENHADEN. TAGGING IN CHESAPEAKE BAY. FIELD NOTES ON FISH CONDITIONS.
 NAME DIRECTOR
 PHONE NUMBER 919 726 4595
 INSTITUTION OR AGENCY ATLANTIC ESTUARINE FISHERIES CENTER
 STREET NATIONAL MARINE FISHERIES SERVICE
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME TAGGING JUVENILE ATLANTIC MENHADEN
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MAINE TO FLORIDA
 ABSTRACT TAGGING STUDY OF JUVENILE ATLANTIC MENHADEN. FIELD
 NOTES ON HABITAT, CONDITION, WATER QUALITY
 NAME DIRECTOR
 PHONE NUMBER 919 726 4595
 INSTITUTION OR AGENCY ATLANTIC ESTUARINE FISHERIES CENTER
 STREET NATIONAL MARINE FISHERIES SERVICE
 CITY BEAUFORT
 STATE NORTH CAROLINA
 ZIP CODE 28516

FILE NAME TAXONOMY AND ECOLOGY OF STENONEMA MAYFLIES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., OHIO, ILLINOIS, INDIANA,
 KENTUCKY, PENNSYLVANIA, TENNESSEE VIRGINIA, WEST VIRGINIA, MARYLAND, NORTH
 CAROLINA AND NEW YORK
 ABSTRACT TOTAL DISSOLVED SOLIDS AND PH WERE MEASURED AT
 LOCATIONS THROUGHOUT THE CHIC BASIN WHERE MAYFLIES OF THE GENUS STENONEMA WERE
 FOUND.
 NAME CORNELIUS I. WEBER
 PHONE NUMBER 513 684 7337
 INSTITUTION OR AGENCY UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 STREET AQUATIC BIOLOGY SECTION ENVIRONMENTAL MONITORING
 AND SUPPORT LABORATORIES
 CITY CINCINNATI
 STATE OHIO
 ZIP CODE 45268

FILE NAME TD 5695 SERIALY COMPLETED WINDS CD600
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., FLORIDA, CAPE KENNEDY,
 VIRGINIA, NORFOLK, WOLLOPS ISLAND, CALIFORNIA, SANTA MONICA, VANDERBERG,
 DISTRICT OF COLUMBIA, WASHINGTON
 ABSTRACT 275000 OBSERVATIONS FROM 6 STATIONS. THE DATA IN
 THIS FILE WERE PRODUCED FROM OBSERVED DATA OBTAINED FROM ORIGINAL WBAN 22
 FORMS SUPPLEMENTED BY INTERPOLATED, EXTRAPOLATED AND TRANSFERRED DATA FOR ONE
 KILOMETER ALTITUDE INCREMENTS FROM THE SURFACE TO 27 KILOMETERS.
 NAME DIRECTOR, NCC
 PHONE NUMBER 704 254 0961 X0203
 INSTITUTION OR AGENCY NATIONAL CLIMATIC CENTER
 STREET FEDERAL BUILDING
 CITY ASHEVILLE
 STATE NORTH CAROLINA
 ZIP CODE 28601

FILE NAME TECHNICAL ASSISTANCE TO COMMERCIAL FISHERIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY
 ABSTRACT DATA COLLECTED DURING A COMMERCIAL FISHERIES
 PROGRAM WHICH HAS BEEN CONDUCTED FROM 1971 TO THE PRESENT TO PROVIDE TECHNICAL
 ASSISTANCE TO COMMERCIAL FISHERMEN, SEA FOOD INDUSTRIES AND GOVERNMENTAL
 AGENCIES ARE PRESENTED IN REPORT FORM. MEASURED PARAMETERS INCLUDE THE EXTENT
 OF MSX INFECTION AMONG OYSTERS, SPAT RECRUITMENT ON NATURAL OYSTER BEDS,
 OYSTER BEC AND WINTER BLUE CRAB POPULATION STATISTICS AND POPULATION
 CHARACTERISTICS OF BLUE CRABS HARVESTED BY COMMERCIAL POT FISHERMEN. THE
 PURPOSE OF THE PROGRAM HAS BEEN TO IMPROVE MANAGEMENT AND ECONOMICS OF THE
 COMMERCIAL FISHING INDUSTRY IN DELAWARE.
 NAME STAFF-DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME TEMPERATURE REGIME, ATLANTIC GENERATING SITE,
 TECHNICAL REPORT NO. 6
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF THE OCEAN TEMPERATURE REGIME OFF THE
 MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC
 GENERATING STATION WAS CONDUCTED FROM APRIL THROUGH JANUARY 1973. TEMPERATURE
 RECORDERS DEPLOYED AT DEPTHS OF 5.5 AND 11 METERS CONTINUOUSLY MONITORED OCEAN
 TEMPERATURES. REPORTED PARAMETERS INCLUDED DAILY MAXIMUM AND MINIMUM
 TEMPERATURES.
 NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME TERRAIN STUDY OF TOM'S COVE, VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, TOM'S COVE
 ABSTRACT MISSION W106, FLIGHT 04, WAS ACCOMPLISHED ON
 FEBRUARY 1, 1972, UTILIZING THE WOLLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED
 WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHINCOTEAGUE
 NATIONAL WILDLIFE RESERVE OF THE BUREAU OF SPORT FISHERIES AND WILDLIFE. THE
 OBJECTIVE OF THE FLIGHT WAS TO OBTAIN LARGE SCALE IMAGERY OF THE LAND
 SURROUNDING TOM'S COVE FOR USE IN STUDYING EROSION AND DEPOSITIONAL FEATURES
 OF THE TERRAIN IN TOM'S COVE.

NAME MICHAEL CENGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME TEST AND SYSTEMS EVALUATION FLIGHT
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WACHAPREAGUE
 ABSTRACT MISSION W157, FLT-2, WITH WOLLOPS STATION C-54
 AIRCRAFT EQUIPPED WITH H.F.B. SINGER MODEL AAG-2 THERMAL SCANNER ON AUG. 18,
 1972, IN COOPERATION WITH CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE, NASA
 WOLLOPS STATION, VA. IN WACHAPREAGUE, VA. REGION. OBJECTIVE - A TEST AND
 SYSTEMS EVALUATION FLIGHT OF POTENTIAL APPLICATION OF AAG-2 FOR FUTURE COASTAL
 LAND-SEA INTERFACE INVESTIGATIONS.

NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME TESTING ALUMINUM ANODES IN SEAWATER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., KIPTOPEKE, VIRGINIA, VIRGINIA
 KEY, FLORIDA, GULF OF MEXICO, PADRE ISLAND
 ABSTRACT THIS LONG TERM STUDY IS DETERMINING THE EFFECTS OF
 CORROSION IN BOTH FRESH AND SALT WATER. TWENTY YEAR RESULTS WILL BE AVAILABLE
 IN 1975. STATIONS WERE SAMPLED MONTHLY IN VIRGINIA, WEEKLY AT THE UNIV. OF
 MIAMI, AND WEEKLY FOR THE 2 GULF STATIONS.

NAME DR. H. LEE CRAIG, JR.
 PHONE NUMBER 305 350 7472
 INSTITUTION OR AGENCY RSPAS
 STREET 10 RICKENBACKER CAUSEWAY
 CITY MIAMI
 STATE FLORIDA
 ZIP CODE 33145

FILE NAME THE AVAILABILITY OF GROUND WATER IN NEW CASTLE COUNTY,
 DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY,
 PICTHAC FORMATION, MAGOTHY FORMATION, MOUNT LAUREL FORMATION, RANCOCAS
 FORMATION
 ABSTRACT GEOLOGICAL AND HYDROLOGICAL DATA COLLECTED FROM 1950
 THROUGH 1970 ON THE AVAILABILITY OF WATER IN THE GROUND-WATER RESEVOIRS OF NEW
 CASTLE COUNTY, DELAWARE ARE PRESENTED IN REPORT FORM. THE DATA INCLUDE A REAL
 AND STRATIGRAPHIC DISTRICTIONS OF THE AQUIFERS AND DETERMINATIONS OF THE
 HYDRAULIC AND GEOLOGIC CHARACTERISTICS OF THE AQUIFERS

NAME STAFF
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE AVAILABILITY OF GROUNDWATER IN WESTERN SUSSEX
 COUNTY, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, WESTERN SUSSEX COUNTY
 ABSTRACT DATA ON THE GROUNDWATER AND HYDROLOGY OF WESTERN
 SUSSEX COUNTY, COLLECTED FROM 1947 THROUGH 1968 ARE PRESENTED IN REPORT FORM,
 GROUND-WATER RESERVOIRS ARE DESCRIBED AND THE AVAILABILITY OF WATER FROM EACH
 PRINCIPAL AQUIFER IS ASSESSED.

NAME STAFF
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE AVAILABILITY OF GROUNDWATER IN EASTERN SUSSEX
 COUNTY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, EASTERN SUSSEX COUNTY
 ABSTRACT DATA ON THE GROUNDWATER GEOLOGY AND HYDROLOGY OF
 EASTERN SUSSEX COUNTY, COLLECTED FROM 1944 THROUGH 1968, ARE PRESENTED IN
 REPORT FORM. GROUNDWATER RESERVOIRS ARE DESCRIBED, THE AVAILABILITY OF WATER
 FROM EACH PRINCIPAL AQUIFER IS ASSESSED AND SALT-WATER PROBLEMS IN EACH
 AQUIFER ARE DISCUSSED.

NAME STAFF
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE AVAILABILITY OF GROUNDWATER IN KENT COUNTY,
 DELAWARE, WITH SPECIAL REFERENCE TO THE COVER AREA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, KENT COUNTY
 ABSTRACT DATA ON THE GROUNDWATER GEOLOGY AND HYDROLOGY OF
 KENT COUNTY, DELAWARE, COLLECTED FROM 1940 THROUGH 1967, ARE PRESENTED IN
 REPORT FORM. THE PURPOSE OF THE INVESTIGATION WAS TO DESCRIBE THE GROUND WATER
 RESERVOIRS OF THE COUNTY AND TO APPRAISE THE AVAILABILITY OF WATER FROM THEM.

NAME STAFF
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE AVAILABILITY OF MANGANESE TO SOYBEANS AS
 AFFECTED BY LIME AND ORGANIC MATTER
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY
 ABSTRACT DATA COLLECTED DURING A STUDY CARRIED OUT IN 1966
 TO DETERMINE THE AVAILABILITY OF MANGANESE TO SOYBEANS UNDER DELAWARE
 CONDITIONS ARE PRESENTED IN REPORT FORM. THE MAJOR FACTORS INVESTIGATED WERE
 LIMING, ORGANIC MATTER, MANGANESE APPLIED AS A FOLIAGE TREATMENT AND SOYBEAN
 VARIETY. ANALYSES INCLUDED SOIL AND PLANT TISSUE CONCENTRATIONS OF PHOSPHORUS,
 POTASSIUM, MAGNESIUM, CALCIUM AND MANGANESE AND SOIL PH AND ORGANIC MATTER
 CONCENTRATION AS AFFECTED BY THE MANIPULATED FACTORS.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 736 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE BIOLOGICAL EFFECTS OF A HEATED EFFLUENT AND A
 MODEL FOR COMMUNITY STRUCTURAL CHANGE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE, INDIAN RIVER BAY,
 INDIAN RIVER, COASTAL
 ABSTRACT THIS PAPER DISCUSSES THE EFFECT OF A THERMAL
 EFFLUENT ON A MACROBENTHIC ESTUARINE INVERTEBRATE COMMUNITY. CHANGES IN
 COMMUNITY STRUCTURE ARE INVESTIGATED BY MEANS OF NUMBERS OF INDIVIDUALS AND
 SPECIES, AN INDICATOR ORGANISM, A PRESENCE - ABSENCE COEFFICIENT, DIVERSITY
 (H), AND EQUITABILITY. DATA INDICATE THAT COMMUNITIES IN THE EFFLUENT DO NOT
 REACH THE INTERACTIVE STAGE. A MODEL FORMULATED IN TERMS OF INFORMATION
 THEORY IS PROPOSED IN WHICH DESTRUCTION OF COMMUNITY STRUCTURE MAY BE
 MEASURED. THE MODEL ADDS TO EXISTING THEORY A SOURCE CHANNEL, S, WHICH TAKES
 INTO ACCOUNT COMMUNITY INTERACTIONS. THIS MODEL IS APPLIED TO THE DATA AND
 DESTRUCTION OF COMMUNITY STRUCTURE IS FOUND TO DECREASE WITH INCREASING
 DISTANCE FROM THE EFFLUENT.

NAME LIBRARIAN
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19958

FILE NAME THE BIOLOGY OF STELIDOTA GEMINATA (SAY)
 (COLEOPTERA: NITIDULIDAE)
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 FIELD AND LABORATORY STUDIES CONDUCTED IN DELAWARE DURING 1970 AND 1971 ON THE
 BIOLOGY OF THE BEETLE STELIDOTA GEMINATA, A NITIDULID INFESTING BOTH RIPE AND
 DECAYING FRUIT. EMPHASIZED ARE LONGEVITY STUDIES, FECUNDITY STUDIES, LIFE
 CYCLE CHARACTERISTICS AND FOOD PREFERENCES OF BOTH ADULT AND LARVAL FORMS.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 736 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE BIONOMICS OF CULEX SALINARIUS COQUILLETT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, BOMBAY HOOK NATIONAL
 FISH AND WILDLIFE REFUGE
 ABSTRACT BOMBAY HOOK NATIONAL FISH AND WILDLIFE REFUGE WAS
 STUDIED FROM JULY, 1958 TO NOVEMBER, 1960 TO LEARN ABOUT THE HABITS, BREEDING
 AND ADAPTATIONS OF THE MOSQUITO, CULEX SALINARIUS COQUILLETT. COMPARITIVE
 MORPHOLOGY OF SPECIES IN SALINE AND RAINFALL WAS MEASURED. TEMPERATURE,
 WATER LEVEL, SALINITY, HGT REFERENCE, AND WATER DISTRIBUTION WERE ALSO
 DETERMINED.

NAME FRANK MURPHY
 PHONE NUMBER 302 738 2526
 INSTITUTION OR AGENCY DEPARTMENT OF ENTOMOLOGY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE CAPRELLIDAE (CRUSTACEA: AMPHIPODA) OF VIRGINIA
 AND A PARTIAL REVISION OF MAYER'S VARIETIES OF CAPRELLA LATREILLE
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA
 ABSTRACT TAXONOMIC LIST AND IDENTIFICATION KEY OF THE
 CAPRELLID AMPHIPODS FOUND IN THE CHESAPEAKE BAY REGION OF VIRGINIA

NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME THE CAPTURE AND MARKING OF WILD, NEWBORN
 WHITE-TAILED DEER FAWNS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, HUNTERDON COUNTY
 ABSTRACT DUE TO THE NEED TO CAPTURE AND MARK A SAMPLE OF
 DEER OCCUPYING NEW JERSEY'S HIGHER QUALITY DEER RANGES, WHERE WINTER
 BOX-TRAPPING WAS UNPRODUCTIVE, A STUDY WAS CONDUCTED FROM 1969 THROUGH THE
 SPRING OF 1974 TO DEVELOP CAPTURE AND MARKING TECHNIQUES FOR NEWBORN
 WHITE-TAILED DEER FAWNS. THE FAWNS WERE SEXED, WEIGHED, AND TAGGED.

NAME PRINCIPAL WILDLIFE BIOLOGIST
 PHONE NUMBER 201 735 8793
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET CLINTON WILDLIFE MANAGEMENT AREA
 CITY HAMPTON
 STATE NEW JERSEY
 ZIP CODE 08827

FILE NAME THE CHAETOGNATHA OF THE INNER CONTINENTAL SHELF
 WATERS OFF VIRGINIA, THEIR TAXONOMY, ABUNDANCE, AND DEPENDENCE ON PHYSICAL
 FACTORS OF THE ENVIRONMENT.
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 INNER CONTINENTAL SHELF, VIRGINIA
 ABSTRACT COMPLETE ACCOUNT OF THE DISTRIBUTION TAXONOMY AND
 BIOLOGY OF THE CHAETOGNATHS OFF THE COAST OF VA AND IN CHESAPEAKE BAY.

NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLoucester POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME THE CHEMISTRY OF CHITIN AS A NEW MARINE RESOURCE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY
 BRACKILL RIVER, CANARY CREEK, OLD MILL CREEK
 ABSTRACT THIS STUDY WAS UNDERTAKEN TO DETERMINE THE
 POTENTIAL CHITIN SUPPLY FROM BLUE CRAB EXOSKELETAL WASTE FROM PROCESSING
 OPERATIONS. IT INCLUDES DATA ON CHITIN CONTENT VARIATIONS IN BLUE CRAB WITH
 CARAPACE LOCATION, MELT STAGE, CARAPACE WIDTH, AND SEX. THE DATA GATHERED IS
 INCLUDED IN AN UNPUBLISHED PORTION OF M.S. THESIS LOCATED IN UNIVERSITY OF
 DELAWARE LIBRARY. DATA INCLUDED IN UNPUBL. M.S. THESIS, 1974, BY CHARLES JAMES
 ERINE.

NAME LIBRARIAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET MCCRIS LIBRARY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE CONDITION OF DELAWARE OYSTER BEDS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY, TIDAL
 RIVER
 ABSTRACT DATA ON THE CONDITION OF DELAWARE OYSTER BEDS,
 RIVER, BAY AND ARTIFICIAL, FROM 1965 TO 1970 ARE PRESENTED. PARAMETERS INCLUDE
 STANDING CROPS, SIZE-FREQUENCY DISTRIBUTIONS, PARASITE INFESTATIONS AND SUMMER
 RECRUITMENT OF SPAT.

NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME THE CONDITION OF DELAWARE OYSTER BEDS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY AND
 TICAL RIVERS
 ABSTRACT DATA ON THE CONDITION OF DELAWARE OYSTER BEDS,
 RIVER, BAY AND ARTIFICIAL, FROM 1968 TO 1970, ARE PRESENTED. PARAMETERS INCLUDE
 STANDING CROPS, SIZE-FREQUENCY DISTRIBUTIONS, PARASITE INFESTATIONS AND SUMMER
 RECRUITMENT OF SPAT.
 NAME RODNER WINGET AND DON MAURER
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19958

FILE NAME THE DEVELOPMENT OF A MANAGEMENT PROGRAM FOR SPRUCE
 RUN RESERVOIR
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, HUNTERDON COUNTY,
 SPRUCE RUN RESERVOIR
 ABSTRACT A STUDY OF THE FISH POPULATION OF SPRUCE RUN
 RESERVOIR, HUNTERDON COUNTY, NEW JERSEY, WAS CONDUCTED FROM JUNE 1965 THROUGH
 OCTOBER 1969 IN ORDER TO DEVELOP A MANAGEMENT PROGRAM FOR THE RESERVOIR THAT
 WOULD PROVIDE AND MAINTAIN DESIRABLE FISH SPECIES FOR ANGLING. INVESTIGATION
 OF SPORT FISHING ACTIVITIES IN THE RESERVOIR WAS INCLUDED IN THE STUDY.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME THE DEVELOPMENT OF A MANAGEMENT PROGRAM FOR ROUND
 VALLEY RESERVOIR
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, HUNTERDON COUNTY,
 ROUND VALLEY RESERVOIR
 ABSTRACT A STUDY OF THE FISH POPULATION OF ROUND VALLEY
 RESERVOIR, HUNTERDON COUNTY, NEW JERSEY, WAS CONDUCTED FROM APRIL 1965 THROUGH
 SEPTEMBER 1969 IN ORDER TO DEVELOP A MANAGEMENT PROGRAM FOR THE RESERVOIR THAT
 WOULD PROVIDE AND MAINTAIN DESIRABLE FISH SPECIES FOR ANGLING. MEASURED
 PARAMETERS OF WATER QUALITY INCLUDED TEMPERATURE, DISSOLVED OXYGEN GAS AND
 CARBON DIOXIDE GAS, ALKALINITY, PH, AND SPECIFIC CONDUCTIVITY. SPORT FISHING
 ACTIVITIES IN THE RESERVOIR WERE ALSO INVESTIGATED IN THE STUDY.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME THE DEVELOPMENT OF A MANAGEMENT PROGRAM FOR BAUER
 LAKE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, OCEAN COUNTY,
 BAUER LAKE
 ABSTRACT A STUDY OF THE FISH POPULATION OF BAUER LAKE, OCEAN
 COUNTY, NEW JERSEY, WAS CONDUCTED FROM OCTOBER 1964 THROUGH FEBRUARY 1966 IN
 ORDER TO DEVELOP A MANAGEMENT PROGRAM FOR THE LAKE THAT WOULD PROVIDE AND
 MAINTAIN DESIRABLE FISH SPECIES FOR ANGLING. MEASURED PARAMETERS OF WATER
 QUALITY INCLUDED TEMPERATURE, DISSOLVED OXYGEN GAS AND CARBON DIOXIDE GAS,
 ALKALINITY, PH, AND SPECIFIC CONDUCTIVITY.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME THE DEVELOPMENT OF A MANAGEMENT PROGRAM FOR
 PROSPERTOWN LAKE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, OCEAN COUNTY,
 PROSPERTOWN LAKE
 ABSTRACT A STUDY OF THE FISH POPULATION IN PROSPERTOWN LAKE,
 OCEAN COUNTY, NEW JERSEY, WAS CONDUCTED FROM SEPTEMBER 1963 THROUGH JANUARY
 1970 IN ORDER TO DEVELOP A MANAGEMENT PROGRAM FOR THE LAKE THAT WOULD PROVIDE
 AND MAINTAIN DESIRABLE FISH SPECIES FOR ANGLING. MEASURED PARAMETERS OF WATER
 QUALITY INCLUDED TEMPERATURE, DISSOLVED OXYGEN GAS AND CARBON DIOXIDE GAS,
 ALKALINITY, PH, AND SPECIFIC CONDUCTIVITY.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME THE DEVELOPMENT OF A MANAGEMENT PROGRAM FOR SHANNOC
 POND NO. 3
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, OCEAN COUNTY,
 SHANNOC POND
 ABSTRACT A STUDY OF THE FISH POPULATION IN SHANNOC POND NO.
 3, OCEAN COUNTY, NEW JERSEY, WAS CONDUCTED FROM APRIL 1965 THROUGH OCTOBER
 1969 IN ORDER TO DEVELOP A MANAGEMENT PROGRAM FOR THE LAKE THAT WOULD PROVIDE
 AND MAINTAIN DESIRABLE FISH SPECIES FOR ANGLING. MEASURED PARAMETERS OF WATER
 QUALITY INCLUDED TEMPERATURE, DISSOLVED OXYGEN GAS AND CARBON DIOXIDE GAS,
 ALKALINITY, PH, AND SPECIFIC CONDUCTIVITY.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME THE DEVELOPMENT OF A MANAGEMENT PROGRAM FOR
 STAFFORD FORGE IMPOLADMENT NO. 1
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, OCEAN COUNTY
 ABSTRACT A STUDY OF THE FISH POPULATION OF STAFFORD FORGE
 IMPOLADMENT NO. 1, OCEAN COUNTY, NEW JERSEY, WAS CONDUCTED FROM APRIL 1967
 THROUGH OCTOBER 1969 IN ORDER TO DEVELOP A MANAGEMENT PROGRAM FOR THE LAKE
 THAT WOULD PROVIDE AND MAINTAIN DESIRABLE FISH SPECIES FOR ANGLING. MEASURED
 PARAMETERS OF WATER QUALITY INCLUDED TEMPERATURE, DISSOLVED OXYGEN GAS AND
 CARBON DIOXIDE GAS, ALKALINITY AND PH.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2313
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME THE DISPERSAL OF PETROLEUM HYDROCARBONS IN THE
 DELAWARE ESTUARY FOLLOWING THE CORINTHOS OIL SPILL
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL DELAWARE
 ESTUARY
 ABSTRACT TWENTY-FOUR SURFACE SLICK AND SIXTY-FIVE BOTTOM
 SEDIMENT GRAB SAMPLES COLLECTED IN THE DELAWARE ESTUARY OVER A SIXTEEN MONTH
 TIME PERIOD FROM JANUARY, 1975 TO MARCH, 1976 WERE ANALYZED FOR SATURATED
 HYDROCARBONS. THE IMPACT OF THE CORINTHOS OIL SPILL, JANUARY 31, 1975 AT
 MARCUS HOCK, PENNSYLVANIA WHICH RELEASED APPROXIMATELY TWO MILLION LITERS OF
 LIGHT ARABIAN CRUDE WAS ACTED IN BOTH THE SURFACE LAYER AND THE BOTTOM
 SEDIMENTS.
 NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2965
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE DISTRIBUTION OF EXCESS TEMPERATURE FROM VIENNA
 GENERATING STATION ON THIS NANTICKE RIVER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, CHESAPEAKE
 BAY, NANTICKE RIVER
 ABSTRACT THIS FILE CONTAINS THE DATA COLLECTED AS PART OF A
 COOLING WATER FLOW STUDY ON THE NANTICKE RIVER BETWEEN APRIL 12 - 26 1973.
 THE SUPPORTIVE DATA TAKEN INCLUDES SALINITY, WATER TEMPERATURE, AIR
 TEMPERATURE, AND RIVER FLOW MEASUREMENTS.
 NAME M. GRANT GROSS
 PHONE NUMBER 301 366 3300
 INSTITUTION OR AGENCY THE JOHNS HOPKINS UNIVERSITY
 STREET CHESAPEAKE BAY INSTITUTE
 CITY BALTIMORE
 STATE MARYLAND
 ZIP CODE 21218

FILE NAME THE DISTRIBUTION OF FORAMINIFERA, INDIAN RIVER
 ESTUARY, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., INDIAN RIVER
 ESTUARY
 ABSTRACT THIS FILE CONTAINS THE PHYSICAL AND CHEMICAL
 PARAMETER DATA RELATING TO A FORAMINIFERA DISTRIBUTION IN THE INDIAN RIVER
 ESTUARY. THE DATA TAKEN DURING AUGUST AND SEPTEMBER 1966 INCLUDES TEMPERATURE,
 SALINITY, SEDIMENT PARTICLE SIZE, OXIDATION-REDUCTION POTENTIAL, HYDROGEN ION
 CONCENTRATION, AND ORGANIC CONTENT ALONG WITH FORAM DISTRIBUTION INFORMATION.
 NAME REFERENCE LIBRARIAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET MORRIS LIBRARY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 15711

FILE NAME THE DISTRIBUTION OF FORAMINIFERA, INDIAN RIVER
 ESTUARY, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, INDIAN
 RIVER ESTUARY
 ABSTRACT THIS THESIS EXAMINES THE ABUNDANCE PATTERNS OF
 FORAMINIFERAL SPECIES IN RELATION TO OTHER PHYSICAL PARAMETERS SUCH AS
 TEMPERATURE AND PH. BOTTOM CORE SAMPLES WERE TAKEN AT 20 SITES IN THE INDIAN
 RIVER ESTUARY FROM AUGUST 2 TO SEPTEMBER 9, 1966.
 NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 15711

FILE NAME THE DISTRIBUTION OF TERBACIL, HERBICIDE 733 AND
 AMIZINE, IN TWO ORCHARD SOILS, UNDER TWO PRECIPITATION LEVELS, AND ITS EFFECT
 ON WEED CONTROL AND TREE GROWTH
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 A FIELD STUDY CONDUCTED IN DELAWARE IN 1965 TO DETERMINE THE EFFECT OF TWO
 LEVELS OF PRECIPITATION ON THE DISTRIBUTION OF THE HERBICIDES TERBACIL,
 HERBICIDE 733 AND AMIZINE IN TWO ORCHARD SOILS. INCLUDED ARE OBSERVATIONS ON
 THE PATTERN OF DISTRIBUTION OF THESE HERBICIDES ON WEED CONTROL AND GROWTH OF
 NEWLY PLANTED APPLE AND PEACH TREES.
 NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 15711

FILE NAME THE DISTRIBUTION, GROWTH AND LIFE HISTORY OF
 MELAMPUS BIDENTATUS (GASTROPODA: PULMONATA) IN THE DELAWARE BAY REGION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE BAY, CANARY
 CREEK, BRACKILL RIVER
 ABSTRACT THE DATA IN THIS FILE IS PURSUANT TO A STUDY ON THE
 DISTRIBUTION, GROWTH, AND BIOLOGY OF THE SNAIL, MELAMPUS BIDENTATUS, AS IT
 OCCURS IN DELAWARE BAY MARSHES. THE DATA, COLLECTED FROM OCTOBER 1971 UNTIL
 OCTOBER 1974, INCLUDES COLLECTS OF SNAILS, PLANT TYPE AT COLLECTION STATION,
 SALINITIES OF CREEKS NEAR COLLECTIONS, AND SIZE AND AGE DATA ON THE SNAILS
 COLLECTED. THIS DATA WAS INCLUDED IN AN M.S. THESIS BY NEAL HOWARD PARKER,
 1976, UNIVERSITY OF DELAWARE
 NAME FRANKLIN CAIBER
 PHONE NUMBER 302 738 1214
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET COLLEGE OF MARINE STUDIES
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 15711

FILE NAME THE DISTRIBUTION, GROWTH AND LIFE HISTORY OF
 MELAMPUS BIDENTATUS, (GASTROPODA: PULMONATA) IN THE DELAWARE BAY REGION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, DELAWARE
 BAY, COASTAL MARSHES
 ABSTRACT IN THIS PAPER THE MELAMPUS BIDENTATUS, AN ELLIPTIC
 GASTROPOD WHICH INHABITS THE SALT MARSHES OF THE EAST AND GULF COASTS OF NORTH
 AMERICA IS STUDIED. ELLIPTICS ARE A PRIMITIVE GROUP OF PULMONATE SNAILS WHOSE
 BIOLOGY IS CONSIDERED IMPORTANT TO THE UNDERSTANDING OF GASTROPOD EVOLUTION.
 ALSO INVESTIGATED WERE THE DISTRIBUTION OF SNAILS OF DELAWARE BAY IN RELATION
 TO MARSH PLANTS, THEIR DISTRIBUTION IN RELATION TO SALINITY AND THEIR
 ADAPTATION TO TIDAL CYCLES AND CURRENTS.
 NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE DONALDSON STRAIN OF RAINECK TROUT IN NEW
 JERSEY—COMPARISONS WITH THE NEW JERSEY HATCHERY STRAIN ARE MADE WITH REGARD TO
 SEVERAL CHARACTERISTICS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, HUNTERDON COUNTY,
 SPRUCE RUN RESERVOIR
 ABSTRACT A STUDY WAS CONDUCTED FROM OCTOBER 1963 THROUGH
 JUNE 1968 IN SPRUCE RUN RESERVOIR, HUNTERDON COUNTY, NEW JERSEY, TO COMPARE
 THE SUCCESS OF THE USE OF THE DONALDSON STRAIN OF RAINECK TROUT WITH THE
 SUCCESS OF USE OF THE NEW JERSEY HATCHERY STRAIN IN "PUT AND" TAKE TROUT
 MANAGEMENT OF RECLAIMED PONDS. DATA ON THE RETURN BY ANGLERS OF TAGGED FISH OF
 BOTH STOCKED STRAINS WERE OBTAINED OVER TWO FISHING SEASONS. PARAMETERS OF
 WATER QUALITY MEASURED DURING THE STUDY INCLUDED TEMPERATURE, DISSOLVED OXYGEN
 GAS CONCENTRATION, PH, ALKALINITY AND SPECIFIC CONDUCTIVITY.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2312
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME THE EARLY LIFE HISTORY AND ECOLOGY OF SIX SPECIES
 OF DRUM (SCIAENIDAE) IN THE LOWER DELAWARE RIVER, A BRACKISH TIDAL ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER, CHESAPEAKE
 AND DELAWARE CANAL
 ABSTRACT A PERTINA OF THE LOWER DELAWARE RIVER IMPORTANT AS
 A NURSERY AREA FOR FISHES WAS SAMPLED REGULARLY FOR OVER TWO YEARS TO PROVIDE
 EARLY LIFE HISTORY INFORMATION ON A NUMBER OF DRUM SPECIES.
 NAME DAVID L THOMAS
 PHONE NUMBER 609 646 8366
 INSTITUTION OR AGENCY ICHTHYOLOGICAL ASSOCIATES
 STREET BOX 70-D, R.T. 2 WEST BROOK LANE
 CITY ABESECON
 STATE NEW JERSEY
 ZIP CODE 08201

FILE NAME THE EFFECT OF AIRBORNE CEMENT KILN DUST ON THE
 STRUCTURE AND COMPOSITION OF UPLAND VEGETATION IN WARREN COUNTY, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, WARREN COUNTY
 ABSTRACT THE VALLEYS OF PCHATCUNG CREEK AND THE MUSCONETCUNG
 FIVER IN WARREN COUNTY, NEW JERSEY ARE UNDERLAIN BY LIMESTONE DEPOSITS. CEMENT
 KILNS EXPLOITING THIS MINERAL HAVE OPERATED IN THIS AREA FOR MORE THAN ONE
 HUNDRED YEARS. OVER THE YEARS SETTLING OF AIRBORNE DUST HAS CAUSED DRAMATIC
 EFFECTS IN REGIONAL SOIL PH LEVELS. THE OBJECTIVE OF THIS STUDY WAS TO
 DETERMINE WHAT EFFECT, IF ANY, KILN DUST HAD ON THE UPLAND VEGETATION IN THE
 VICINITY OF CEMENT PLANTS
 NAME HEAD LIBRARIAN
 PHONE NUMBER 609 452 3202
 INSTITUTION OR AGENCY FIRESTONE LIBRARY, PRINCETON UNIVERSITY
 CITY PRINCETON
 STATE NEW JERSEY
 ZIP CODE 08540

FILE NAME THE EFFECT OF CERTAIN CULTURAL TREATMENTS ON THE
 YIELD OF ASPARAGUS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MARYLAND, KENT COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 FIELD STUDIES CONDUCTED IN KENT COUNTY, MARYLAND FROM 1962 TO 1965 TO STUDY
 CERTAIN PHASES OF ASPARAGUS CULTURE. EMPHASIZED ARE THE EFFECTS OF CROWN
 PLANTING DEPTH, RIDGE/LEVEL TREATMENT, ASPARAGUS CROWN DENSITY AND ROW WIDTH
 ON SPEAR YIELD, SPEAR WEIGHT AND THE NUMBER OF SPEARS PER CROWN.
 NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE EFFECT OF DDT ON MITES IN THE SOIL
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 A STUDY CONDUCTED IN DELAWARE DURING 1958 AND 1959 TO DETERMINE THE
 QUANTITATIVE AND QUALITATIVE EFFECTS OF HEAVY CONCENTRATIONS OF DDT ON THE
 SOIL MITE POPULATION.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE EFFECT OF NITROGEN AND PHOSPHORUS
 EUTROPHICATION ON DIATOM COMMUNITY STRUCTURE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, RARITAN RIVER,
 METLARS BROOK

ABSTRACT THIS TESTS THE HYPOTHESIS THAT DIATOM COMMUNITY
 STRUCTURE CHANGES WITH CHANGES IN WATER QUALITY. THE STUDY WAS CONDUCTED
 DURING THE FIRST THREE WEEKS OF JULY 1968 IN A FRESHWATER TRIBUTARY OF THE
 RARITAN RIVER CALLED METLARS BROOK ON THE PIEDMONT OF NEW JERSEY. THE
 CONCLUSIVE STABILITY WITH RESPECT TO COMMUNITY STRUCTURAL PARAMETERS-BIOTIC
 COMPOSITION, DENSITY, SPECIES DIVERSITY AND REDUNDANCY-STRONGLY SUGGESTS THAT
 ENRICHMENT BY NITRATES AND PHOSPHATES HAD NO SIGNIFICANT EFFECT UPON
 FUNCTIONAL INTERACTIONS OCCURRING AMONG THE SPECIES COMPOSING THE COMMUNITY.

NAME REFERENCE LIBRARIAN
 PHONE NUMBER 201 732 1766
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME THE EFFECT OF SOIL TEMPERATURE ON ASPARAGUS YIELD
 AND SPEAR SIZE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, GEORGETOWN, NEWARK
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING

FIELD AND LABORATORY STUDIES CONDUCTED IN NEWARK AND GEORGETOWN, DELAWARE
 DURING 1958 AND 1959 TO DETERMINE THE RELATIONSHIP BETWEEN SOIL TEMPERATURE
 AND ASPARAGUS YIELD AND SPEAR SIZE.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE EFFECT OF THE SPRAY IRRIGATION OF SECONDARY
 TREATED EFFLUENT ON THE VEGETATION, SOILS AND GROUNDWATER QUALITY IN A NEW
 JERSEY PINE BARRENS HABITAT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, ATLANTIC COUNTY,
 STOCKTON STATE COLLEGE.

ABSTRACT THE CHEMICAL, AND PHYSICOCHEMICAL CHARACTERISTICS OF
 EFFLUENT, GROUND WATER, SOILS AND VEGETATION OF THE STOCKTON STATE COLLEGE
 SPRAY DISPOSAL SYSTEM AND CONTROL AREA AT POMONA, NEW JERSEY WERE MONITORED TO
 EVALUATE THE PHYSICAL AND CHEMICAL CAPABILITIES OF THE SANDY SOILS OF THE PINE
 BARRENS REGION TO RENOVATE SECONDARY TREATED EFFLUENT. EFFLUENT SAMPLES WERE
 COLLECTED DAILY FOR A SEVEN DAY PERIOD DURING A RANDOMLY CHOSEN INTERVAL OF
 EACH SEASON.

NAME CIRCULATION DESK
 PHONE NUMBER 201 932 2880
 INSTITUTION OR AGENCY RUTGERS UNIVERSITY SCIENCE LIBRARY
 STREET RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME THE EFFECTIVENESS OF LOW-LEVEL IMPOUNDED
 SALT-MARSHES IN CONTROLLING THE PRODUCTION OF MOSQUITOES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, KENT COUNTY, SHORT'S
 MARSH, MASTER'S MARSH, CHAMPAGNE POOL MARSH, NATURAL MARSH, COVER WEATHER
 STATICA

ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 A STUDY CONDUCTED IN 1965 AND 1966 TO DETERMINE THE EFFECTIVENESS OF THE
 CHAMPAGNE POOL SYSTEM OR LOW-LEVEL IMPONDMENT AS A METHOD OF MOSQUITO CONTROL
 IN THE TIDAL SALT MARSHES IN DELAWARE. EMPHASIZED ARE POPULATIONS OF IMMATURE
 MOSQUITOES, FISH POPULATIONS, VEGETATIONAL COVER, WATER TEMPERATURE, SALINITY
 AND DEPTH.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2245
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE EFFECTS OF CONSERVATIVE AND NON-CONSERVATIVE
SUBSTANCES ON THE MURDERKILL RIVER
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE BAY,
MURDERKILL RIVER

ABSTRACT THE DATA CONTAINED IN THIS FILE WAS TAKEN DURING
THE PERIOD JUNE 9, 1971, TO AUGUST 11, 1971, WHEN AN INTENSIVE PHYSICAL,
CHEMICAL, AND BIOLOGICAL EXAMINATION OF THE MURDERKILL RIVER WAS MADE IN
DELAWARE. EIGHT SAMPLING STATIONS COVERING 10.8 RIVER MILES WERE SELECTED.
SAMPLES WERE TAKEN AT LOW WATER SLACK (LWS) FOR UNIFORMITY. PHYSICAL
CHARACTERISTICS MEASURED INCLUDED CROSS-SECTIONAL AREAS, VELOCITY, TIDAL
CYCLES, ESTUARY RETENTION TIME AND FLUSHING RATE, DRAINAGE AREAS, RIVER FLOW,
TEMPERATURE, AND SUSPENDED MATTER. BIOCHEMICAL TESTS INCLUDED PH, DISSOLVED
OXYGEN, CONDUCTIVITY, HEAVY METALS, CHLORIDES, TURBIDITY, BIOCHEMICAL OXYGEN
DEMAND, NITROGEN AND PHOSPHORUS, COLIFORMS (TOTAL AND FECAL), FECAL
STREPTOCOCCUS, CARCIN (ORGANIC AND INORGANIC), AND CHLOROPHYLL A.

NAME REFERENCE LIBRARIAN
PHONE NUMBER 302 645 4290
INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES--MARINE STATION LIBRARY
STREET UNIVERSITY OF DELAWARE
CITY LEWES
STATE DELAWARE
ZIP CODE 19956

FILE NAME THE EFFECTS OF ENVIRONMENTAL SALINITY ON FREE AMINO
ACIDS OF CRASSOSTREA VIRGINICA
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
VIRGINIA, VIRGINIA BEACH, JAMES RIVER, YORK RIVER
ABSTRACT CONCENTRATIONS OF 21 FREE AMINO ACIDS IN THE
ADDUCTOR MUSCLE OF THE OYSTER, CRASSOSTREA VIRGINICA, MEASURED IN RELATION TO
THE SALINITY OF THE WATER FROM WHICH THE ANIMAL WAS TAKEN.

NAME LIBRARIAN
PHONE NUMBER 804-642-2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLoucester Point
STATE VIRGINIA
ZIP CODE 23062

FILE NAME THE EFFECTS OF HURRICANE AGNES ON THE ENVIRONMENT
AND ORGANISMS OF THE CHESAPEAKE BAY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MARYLAND, CHESAPEAKE BAY,
PATUXENT, PCTOMAC, SUSQUEHANNA, YORK, JAMES, RAPPAHANNOCK RIVERS

ABSTRACT THIS REPORT INCLUDES DATA ON VARIOUS CHEMICAL,
PHYSICAL, AND BIOLOGICAL PARAMETERS IN THE CHESAPEAKE BAY AND TRIBUTARY RIVER
WATERS TAKEN DURING THE PERIOD FROM MAY TO NOVEMBER, 1972 IN AN EFFORT TO
ASSESS THE EFFECT OF THE STORM FLOOD SURGE OF HURRICANE AGNES. PARAMETERS
INCLUDED ARE RIVER FLOW, SALINITY, TEMPERATURE, TURBIDITY, ZINC, COPPER,
PESTICIDES (DDT AND PCB), BLUE CRABS, MICROBICTA, AND ZOOPLANKTON.

NAME RCY DENMARK
PHONE NUMBER 215 597 2644
INSTITUTION OR AGENCY US ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT
STREET CUSTOMS HOUSE - 2ND AND CHESTNUT STREET
CITY PHILADELPHIA
STATE PENNSYLVANIA
ZIP CODE 19106

FILE NAME THE EFFECTS OF IPOMOEA PURPUREA AND IPOMOEA
HEDERACEA ON GROWTH AND YIELD OF SOYBEANS AND METHODS OF CONTROLLING THESE
SPECIES

GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT DATA COLLECTED DURING FIELD STUDIES CONDUCTED IN
DELAWARE IN 1963 AND 1964 TO INVESTIGATE THE EFFECTS OF TWO SPECIES OF MORNING
GLORIES, IPOMOEA PURPUREA AND IPOMOEA HEDERACEA, ON THE GROWTH AND YIELD OF
SOYBEANS ARE PRESENTED IN REPORT FORM. MAJOR FACTORS STUDIED WERE REMOVAL OVER
AND BETWEEN ROWS, DATES OF REMOVAL, POPULATIONS, SPECIES, DEPTHS OF EMERGENCE
AND DATES AND METHODS OF HERBICIDE APPLICATIONS.

NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME THE EFFECTS OF THERMAL EFFLUENT ON THE AMERICAN
 OYSTER, CRASSOSTREA VIRGINICA (MELIA), IN INDIAN RIVER BAY, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, INDIAN
 RIVER BAY

ABSTRACT THIS REPORT DISCUSSES FIELD DATA COLLECTED ON
 CRASSOSTREA VIRGINICA IN INDIAN RIVER BAY, DELAWARE OVER A ONE YEAR PERIOD
 FROM JUNE, 1970 TO MAY, 1971 TO DETERMINE SOME OF THE EFFECTS OF THERMAL
 DISCHARGE FROM THE DELMARVA POWER AND LIGHT COMPANY AT MILLSBORO, DELAWARE ON
 THE OYSTER. MONTHLY MEASUREMENTS INCLUDE WATER TEMPERATURE, SALINITY AND
 DISSOLVED OXYGEN; LIVE OYSTER SHELL HEIGHT, WIDTH AND VALVE THICKNESS; AND
 OYSTER TISSUE WET WEIGHT, DRY WEIGHT AND GLYCOGEN CONTENT. STATION 1 IS 100
 METERS UPSTREAM FROM COOLING WATER INTAKE, STATION 2 LOCATED AT THE MOUTH OF
 ISLAND CREEK 2.5 KM EAST OF PLANT AND STATION 3 IS 6 KM EAST OF PLANT NEAR OAK
 CREEK.

NAME JEFF TINSMAN
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19556

FILE NAME THE EFFECTS OF VARIATION IN DISCHARGE ON THE STREAM
 CHEMISTRY OF THE CHRISTIANA RIVER, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., SOUTHEASTERN PENNSYLVANIA AND
 NORTHERN DELAWARE

ABSTRACT STREAM WATER CHEMISTRY DATA OBTAINED FROM THE
 CHRISTIANA RIVER AND ROCKY RUN STREAM FOR THE PERIOD FROM APRIL, 1973 TO
 JANUARY, 1974 AND JUNE, 1973 TO OCTOBER, 1973, RESPECTIVELY, ARE PRESENTED IN
 REPORT FORM. LOW FLOW SAMPLES AS WELL AS SAMPLES COLLECTED DURING THE RISING,
 PEAK AND FALLING STAGES OF THE STREAMS DURING RAINFALL EVENTS ARE ANALYZED TO
 ILLUSTRATE THE VARIATION OF CHEMICAL PARAMETERS FROM VALUES REFLECTING GROUND
 WATER CHEMISTRY TO VALUES REFLECTING THE EFFECT OF DIRECT PRECIPITATION AND
 RUNOFF. RAINFALL MEASUREMENTS AND CHEMICAL ANALYSES OF RUNOFF ARE PRESENTED.

NAME REBECCA W. METZ
 PHONE NUMBER 302 738 2569
 INSTITUTION OR AGENCY GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE EFFECTS OF VARYING FERTILIZER FORMULAS AND
 RATES ON TREE GROWTH, YIELD AND QUALITY OF APPLES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 STUDIES CONDUCTED IN DELAWARE FROM 1955 TO 1960 ON THE EFFECTS OF FERTILIZER
 FORMULA AND RATE ON HARVEST QUALITY, COLOR AND STORAGE QUALITY OF FRUIT FROM
 THREE VARIETIES OF APPLE TREES.

NAME MCRFFIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE FEEDING BEHAVIOR AND ECOLOGY OF FIVE SPECIES OF
 HERONS AT THE BRIGANTINE NATIONAL WILDLIFE REFUGE, NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, BRIGANTINE
 NATIONAL WILDLIFE REFUGE

ABSTRACT INFORMATION ON THE FEEDING ECOLOGY AND BEHAVIOR OF
 FIVE SPECIES OF HERONS IS PRESENTED IN THIS PAPER. THE HUNTING HABITS OF THE
 GREAT BLUE HERON, THE GREAT EGRET, THE SNOWY EGRET, THE LITTLE BLUE HERON AND
 THE LOUISIANA HERON ARE STUDIED TO SEE WHETHER THERE ARE DIFFERENCES IN THE
 UTILIZATION OF FOOD THAT IS POTENTIALLY AVAILABLE TO ALL THE SPECIES.

NAME HEAD LIBRARIAN
 PHONE NUMBER 609 452 3202
 INSTITUTION OR AGENCY FIRESTONE LIBRARY, PRINCETON UNIVERSITY
 CITY PRINCETON
 STATE NEW JERSEY
 ZIP CODE 08540

FILE NAME THE FISHES AND HYDROGRAPHIC PARAMETERS OF WHITE
 CLAY CREEK, DELAWARE: A DESCRIPTION AND COMPARISON OF 1973-74 TO 1957-58
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE BAY,
 INDIAN RIVER BAY, WHITE CLAY CREEK
 ABSTRACT A FISH SURVEY USING A HALL SEINE WAS CONDUCTED AT 8
 STATIONS IN WHITE CREEK, AN ESTUARY OF INDIAN RIVER BAY, DELAWARE ON A WEEKLY
 BASIS FROM APRIL 1973 - JUNE 1974. HYDROGRAPHIC DATA WAS COLLECTED
 SIMULTANEOUSLY WITH THE FISH DATA. WHITE CREEK IS TYPICAL OF MANY ATLANTIC
 COAST ESTUARIES, HAVING BEEN DREDGED, FILLED, BULKHEADED AND EXPOSED TO
 GREATLY INCREASED LAND USAGE ALONG ITS SHORES. THE SURVEY WAS DESIGNED AS AN
 EXACT DUPLICATION OF A FISH STUDY CONDUCTED BY THE BUREAU OF COMMERCIAL
 FISHERIES IN 1957-58 WHEN THE CREEK WAS UNDEVELOPED. DATA FROM THE 52
 COLLECTION DAYS IS EXAMINED FOR TRENDS OVER TIME AND AMONG THE 8 COLLECTION
 STATIONS. (PART OF UNPUBLISHED M.S. THESIS BY THOMAS C. CAMPBELL, 1975,
 UNIVERSITY OF DELAWARE).

NAME REFERENCE LIBRARIAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET MORRIS LIBRARY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE FISHES OF FOUR LOW-SALINITY TIDAL TRIBUTARIES
 OF THE DELAWARE RIVER ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER, BLACKBIRD
 CREEK, ALLCWAY CREEK, POPE CREEK, APPQUINIMINK CREEK
 ABSTRACT FOUR LOW-SALINITY TIDAL CREEKS OF THE DELAWARE
 RIVER ESTUARY WERE SAMPLED BY TRAWL AND SEINE TO LEARN WHAT FISHES INHABIT
 THESE CREEKS, THEIR TEMPORAL AND SPATIAL DISTRIBUTIONS, AND TO EVALUATE THE
 ROLE OF THE TIDAL CREEKS AS SPAWNING AND NURSERY GROUNDS.

NAME BARRY A SMITH
 PHONE NUMBER 609 646 8366
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 STREET BOX 35, R.O. 2
 CITY MIDDLETOWN
 STATE DELAWARE
 ZIP CODE 19705

FILE NAME THE FUNGI GENUS AMANITA IN NORTH CAROLINA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT TAXONOMIC SURVEY OF THE AMANITA OF NORTH CAROLINA
 INCLUDES A LIST AND KEY TO THE 21 SPECIES OF AMANITA DESCRIBED, INCLUDING
 PHOTOGRAPHS AND DIAGRAMS OF THE SPECIES.
 NAME LIBRARIAN
 PHONE NUMBER 919 737 3364
 INSTITUTION OR AGENCY NORTH CAROLINA STATE UNIVERSITY
 STREET D.H. HILL LIBRARY
 CITY RALEIGH
 STATE NORTH CAROLINA
 ZIP CODE 27607

FILE NAME THE GREAT MARSH, LEWES, DELAWARE: THE PHYSIOGRAPHY,
 CLASSIFICATION, AND GEOLOGIC HISTORY OF A COASTAL MARSH
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY, GREAT
 MARSH OF LEWES
 ABSTRACT DATA FROM SUBSURFACE INVESTIGATIONS OF THE GREAT
 MARSH, LEWES, DELAWARE, COLLECTED FROM 1971 TO 1972, ARE ANALYZED IN ORDER TO
 DEFINE A SERIES OF SEDIMENTARY FACIES AND ENVIRONMENTS OF DEPOSITION. THE
 SEDIMENTARY FACIES PATTERNS AND GEOLOGICAL HISTORY OF A COASTAL MARSH ARE
 DELINEATED AND A GENERAL SYSTEM OF MARSH CLASSIFICATION IS PROPOSED.

NAME GLEN K. ELLIOTT
 PHONE NUMBER 302 738 2565
 INSTITUTION OR AGENCY GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE HARD CLAM SURVEY OF DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY
 ABSTRACT FIELD DATA ON THE HARD CLAM MERCENARIA MERCENARIA
 IN DELAWARE BAY, COLLECTED OVER A THREE - YEAR PERIOD FROM 1970 TO 1973, ARE
 PRESENTED IN REPORT FORM. PARAMETERS MEASURED INCLUDE THE DISTRIBUTION AND
 ABUNDANCE OF HARD CLAMS AND THEIR PREDATORS, THE LENGTH OF CLAMS AND THE
 NUMBER OF CLAMS COLLECTED PER UNIT TIME OF TOW. THREE TYPES OF DREDGES WERE
 EMPLOYED THROUGHOUT THE STUDY: (1) A MODIFIED CRAB DREDGE, (2) A HYDRAULIC
 SURF CLAM DREDGE, AND (3) A MINIATURE HYDRAULIC DREDGE. SEASONAL VARIATIONS IN
 GENERAL CONDITIONS AND GLYCOGEN CONTENT OF HARD CLAMS ARE ALSO INCLUDED.

NAME RICHARD KECK
 PHONE NUMBER 302 645 4000
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19556

FILE NAME THE HARD CLAM SURVEY OF DELAWARE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY
 ABSTRACT FIELD DATA ON THE HARD CLAM *MERCENARIA MERCENARIA* IN DELAWARE BAY, COLLECTED OVER A THREE - YEAR PERIOD FROM 1970 TO 1973, ARE PRESENTED IN REPORT FORM. PARAMETERS MEASURED INCLUDE THE DISTRIBUTION AND ABUNDANCE OF HARD CLAMS AND THEIR PREDATORS, THE LENGTH OF CLAMS AND THE NUMBER OF CLAMS COLLECTED PER UNIT TIME OF TOW. THREE TYPES OF DREDGES WERE EMPLOYED THROUGHOUT THE STUDY: (1) A MODIFIED CRAB DREDGE, (2) A HYDRAULIC SURF CLAM DREDGE, AND (3) A MINIATURE HYDRAULIC DREDGE. SEASONAL VARIATIONS IN GONADAL CONDITIONS AND GLYCERIN CONTENT OF HARD CLAMS ARE ALSO INCLUDED.

NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
 CITY DEVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME THE HUDSON RIVER ESTUARY: SEDIMENTARY AND GEOCHEMICAL PROPERTIES BETWEEN KINGSTON AND HAVERSTRAW, NEW YORK
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, NEW YORK, N.Y.
 ABSTRACT EIGHT, HUDSON RIVER ESTUARY THE OBJECTIVE WAS TO DOCUMENT CHANGES IN RIVER HYDROGRAPHY AND SEDIMENTS AND TO STUDY THE GEOCHEMISTRY OF THE SEDIMENTS IN DETAIL. THE KNOWLEDGE SOUGHT WAS INTENDED TO YIELD SOME UNDERSTANDING OF THE SEDIMENT'S CAPACITY TO ABSORB CHEMICAL POLLUTANTS, AND THE DEGREE TO WHICH THEY HAVE ALREADY DONE SO. THE PROJECT WAS CONFINED TO A 30 MILE SECTOR OF THE HUDSON RIVER BETWEEN POUGHKEEPSIE AND STONEY POINT. SPECIAL ATTENTION WAS DIRECTED TO SEDIMENTS IMMEDIATELY UPSTREAM AND DOWNSTREAM FROM THE CORNHILL-STORM KING LOCALITY. GRAVE SAMPLES AND CORES OF BOTTOM SEDIMENTS, AND TOP AND BOTTOM WATER SAMPLES WERE COLLECTED. THE PARAMETERS DETERMINED FROM WATER ANALYSES WERE DISSOLVED CALCIUM, MAGNESIUM, POTASSIUM, SODIUM, SILICON, CHLORINE GAS, IRON, ALUMINUM, COPPER, NICKEL, MANGANESE AND ZINC. ELECTRICAL CONDUCTIVITY, SALINITY AND PH WERE ALSO DETERMINED. CATION EXCHANGE CAPACITIES, PARTICULATE ORGANIC MATTER AND MINERALOGY OF THE SEDIMENTS WAS EXAMINED.

NAME DR. ALISTAIR W. MCCRONE
 PHONE NUMBER 212 589 3466
 INSTITUTION OR AGENCY NEW YORK UNIVERSITY
 STREET 101 MAIN BUILDING, WASHINGTON SQUARE
 CITY NEW YORK CITY
 STATE NEW YORK
 ZIP CODE 10003

FILE NAME THE INFLUENCE OF ENVIRONMENT ON THE NESTLING FEEDING RATE OF THE TREE SWALLOW
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, PRINCETON WILDLIFE REFUGE
 ABSTRACT DURING THE SUMMERS OF 1971 AND 1972, TREE SWALLOW ADULTS WERE OBSERVED FEEDING THEIR NESTLINGS ON AN HOURLY BASIS AT THE PRINCETON WILDLIFE REFUGE. THE INFLUENCE OF VARIOUS ENVIRONMENTAL FACTORS (TEMPERATURE, SKY CONDITIONS, TIME OF THE DAY) WERE CORRELATED WITH THE FEEDING RATES OF THE NESTLINGS

NAME REFERENCE LIBRARIAN
 PHONE NUMBER 201 732 1766
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME THE LIFE CYCLE OF THE EUROPEAN CORN BORER *OSTRINIA NUBILALIS* (HUBER), ON SWEET PEPPERS, *CAPSICUM ANNUUM* L., AND ITS CONTROL BY EXCLUSICA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY
 ABSTRACT DATA COLLECTED DURING STUDIES CONDUCTED IN DELAWARE DURING 1970-1971 ON THE LIFE CYCLE OF THE EUROPEAN CORN BORER, *OSTRINIA NUBILALIS*, IN FIELDS OF SWEET PEPPERS ARE PRESENTED IN REPORT FORM. THE BEHAVIOR OF ALL LIFE STAGES IS DESCRIBED WITH RESPECT TO THE PEPPER PLANT.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE MYXOPHYCEAE OF THE MARSHES OF SOUTHERN DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE, SUSSEX, COUNTY, KENT COUNTY
 ABSTRACT THIS FILE CONTAINS DATA PERTAINING TO THE SPECIATION AND DISTRIBUTION OF BLUE-GREEN ALGAE IN THE MARSHES OF SOUTHERN DELAWARE. DATA TAKEN INCLUDES ALGAL SPECIES COUNTS AND IDENTIFICATIONS, PLANT COUNTS AND IDENTIFICATION, SOIL TEMPERATURE, AIR TEMPERATURE, SOIL PH, AND LIGHT AVAILABILITY.

NAME REFERENCE LIBRARIAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET MORRIS LIBRARY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE NATURE AND CONTROL OF SOIL INSECT INJURY TO
FRUITS OF CANTALOUPE AND WATERMELON
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY,
BETHEL, LAUREL, DELMAR
ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
A STUDY CONDUCTED IN SUSSEX COUNTY, DELAWARE FROM 1966 TO 1967 TO EVALUATE THE
CAUSE, EXTENT AND CONTROL OF INJURY TO THE SOIL CONTACT SURFACE OF WATERMELON
AND CANTALOUPE. INCLUDED ARE THE RESULTS OF AN INVESTIGATION TO DETERMINE
THE EFFECTIVENESS OF FIVE CANDIDATE INSECTICIDES IN THE CONTROL OF LARVAL
POPULATIONS CAUSING INJURY TO FRUIT.
NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME THE NATURE OF THE PYROPHOSPHATE EXTRACTED SOIL
ORGANIC NITROGEN
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE AND ILLINOIS
ABSTRACT FRACTIONATION OF POCOMOKE SANDY LOAM AND SABLE SILT
LOAM SOIL SAMPLES, COLLECTED RESPECTIVELY FROM DELAWARE AND ILLINOIS WAS DONE
IN 1962-1963 TO SEPARATE VARIOUS NITROGEN FRACTIONS FROM SOIL ORGANIC MATTER
WITH PYROPHOSPHATE. METHODS OF FRACTIONATION INCLUDED PAPER CHROMATOGRAPHY,
ELECTROPHORESIS, STRIP ELECTROPHORESIS, PH GRADIENT ELUTION, CONSTANT PH
ELUTION AND BATCH EXTRACTION BY SHAKING AT CONSTANT PH. DETERMINATIONS WERE
MADE OF P, TOTAL CARBON, TOTAL NITROGEN, ALPHA AMINO NITROGEN, HEXOSE CARBON
AND DISTILLABLE NITROGEN.
NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME THE OCCURRENCE OF SALINE GROUND WATER IN DELAWARE
AQUIFERS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT DATA ON THE CHLORIDE CONTENT OF GROUNDWATER IN
DELAWARE, COLLECTED FROM APRIL, 1931 TO FEBRUARY, 1968, IS COMPILED AND
PRESENTED IN REPORT FORM. THE GROUNDWATER SALINITY IS ASSOCIATED WITH THE TYPE
OF AQUIFER FROM WHICH THE WATER WAS TAPED.
NAME K.C. MCCRUFF
PHONE NUMBER 302 738 2565
INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME THE OCEANOGRAPHY OF THE NEW YORK BIGHT: PHYSICAL,
CHEMICAL, BIOLOGICAL
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
NEW YORK
ABSTRACT DATA FOR THE NEW YORK BIGHT, SOUTH OF EAST ROCKAWAY
INLET, ON THE SPATIAL AND TEMPORAL DISTRIBUTION OF PHYTOPLANKTON, ZOOPLANKTON,
AND BENTHIC FAUNA, AS WELL AS VARIOUS CHEMICAL AND PHYSICAL PARAMETERS, WERE
COLLECTED FROM 18 STATIONS DURING OCTOBER AND NOVEMBER OF 1971.
NAME DR. ROBERT NUZZI
PHONE NUMBER 516 668 5600 X43
INSTITUTION OR AGENCY NEW YORK OCEAN SCIENCE LABORATORY
STREET DRAWER EE
CITY MONTAUK
STATE NEW YORK
ZIP CODE 11954

FILE NAME THE PERSISTENCE OF TRIFLURALIN IN SOILS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
ABSTRACT DATA COLLECTED DURING STUDIES CONDUCTED FROM 1964
TO 1966 TO DETERMINE THE LENGTH OF TIME THAT THE HERBICIDE TRIFLURALIN CAN BE
EXPECTED TO PERSIST IN DELAWARE SOILS ARE PRESENTED IN REPORT FORM. THE MAJOR
FACTORS INVESTIGATED WERE THE EFFECTS OF HERBICIDE FORMULATION, HERBICIDE
RATE, HERBICIDE INCORPORATION DEPTH, SOIL TYPE AND CLIMATIC FACTORS. ANALYSES
FOR THE PERSISTENCE OF TRIFLURALIN INCLUDED THE MEASUREMENT OF STAND RATINGS
OF COMMERCIAL CROPS AND CROP SAMPLE WEIGHTS.
NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME THE PERSISTENCE OF TRIFLURALIN IN SOILS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT FIELD STUDIES WERE CONDUCTED FROM 1964 TO 1966 TO DETERMINE THE LENGTH OF TIME THAT THE HERBICIDE TRIFLURALIN PERSISTS IN DELAWARE SOILS. MAJOR FACTORS INVESTIGATED WERE HERBICIDE FORMULATION, RATE, AND INCORPORATION DEPTH, SOIL TYPE AND CLIMATIC FACTORS. THE PERSISTENCE OF TRIFLURALIN WAS MEASURED BY ANALYZING STAND RATINGS OF COMMERCIAL CROPS AND CROP SAMPLE WEIGHTS. THE METHOD USED TO ANALYZE FOR MAGNESIUM, PHOSPHATE AND POTASSIUM IN THE SOIL IS THE NORTH CAROLINA METHOD, NORTH CAROLINA DEPARTMENT OF AGRICULTURE, 1958 ANALYTICAL METHODS FOR THE TESTING OF FARMERS SAMPLES (RALEIGH, NORTH CAROLINA).

NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE PETROGENESIS OF THE BANDED GNEISS OF THE WILMINGTON NORTH CLADFRANGLE, DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTHERN DELAWARE
 ABSTRACT THIS REPORT INVOLVES A DETAILED STUDY OF THE PETROLOGY OF THE BANDED GNEISS, DIVISION OF THE GNEISS INTO MAPPABLE UNITS AND DETERMINATION OF THE PETROGENESIS OF THE GNEISS OF THE WILMINGTON COMPLEX PRESENT IN NORTHERN DELAWARE.

NAME KATHERINE A. SHEEDY
 PHONE NUMBER 302 738 2569
 INSTITUTION OR AGENCY GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE PHAEOGPHYTA OF LONG ISLAND, N.Y.
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NEW YORK, LONG ISLAND
 ABSTRACT SURVEY OF THE BENTHIC PHAEOGPHYTA OF LONG ISLAND, N.Y. YIELDED 55 SPECIES. DISTRIBUTION AND KEY TO THE SPECIES IS PROVIDED.

NAME LIBRARIAN
 PHONE NUMBER 919 664 4111
 INSTITUTION OR AGENCY DUKE UNIVERSITY
 STREET BIOLOGICAL SCIENCES LIBRARY
 CITY DURHAM
 STATE NORTH CAROLINA
 ZIP CODE 27706

FILE NAME THE REINTRODUCTION AND INITIAL REESTABLISHMENT OF LYDELLA STABULARIS GRIESENS R.-D., A PARASITE OF THE EUROPEAN CORN ECRER (PYRAUSTIA NUBILALIS (FBN.)), IN DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING STUDIES CONDUCTED FROM 1958 TO 1960 ON THE POSSIBLE USE OF THE INTRODUCED PARASITE LYDELLA STABULARIS GRIESENS R.-D IN BIOLOGICAL CONTROL OF THE EUROPEAN CORN ECRER IN DELAWARE. EMPHASIZED IN THE INVESTIGATION IS AN EVALUATION OF INITIAL ESTABLISHMENT AND DISPERSAL BY THE PARASITE.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE RELATIONSHIP OF PLANT FERTILITY AND CHEMICAL SPRAYS TO BACTERIAL SPOT OF PEPPER
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING STUDIES CONDUCTED IN DELAWARE IN 1960-1961 ON THE RELATIONSHIP OF PLANT FERTILITY AND CHEMICAL SPRAYS TO THE BACTERIAL SPOT INFECTION OF PEPPER, CAUSED BY XANTHOMONAS VESICATORIA.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE ROLE OF MARSHES IN PHOSPHORUS, NITROGEN AND DETRITUS DYNAMICS OF COASTAL PLAIN ESTUARIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, YORK RIVER, WARE AND CARTER CREEKS
 ABSTRACT PHOSPHORUS, NITROGEN AND DETRITUS DYNAMICS OF COASTAL ESTUARIES IN THE LOWER YORK RIVER. 2 STATIONS WERE SAMPLED EVERY MONTH AT FOURLY INTERVALS OVER A 24 HOUR TIDAL CYCLE FROM 1971 TO THE PRESENT. DATA IS PART OF A DISSERTATION

NAME LIBRARIAN
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME THE ROLE OF CROCESTID AMPHIFEDS IN THE BREAKDOWN OF
 TIDAL MARSH GRASSES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, LEWES, CANARY CREEK
 MARSH
 ABSTRACT AMPHIFED AND ISOPED POPULATION LEVELS WERE MEASURED
 APPROXIMATELY WEEKLY FOR THREE MONTHS. DISTRIBUTION IN THE MARSH WAS NOTED.
 NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE SEASONAL AND SPATIAL DISTRIBUTION OF NITRATE
 AND NITRITE IN THE SURFACE WATERS OF TWO DELAWARE SALT MARSHES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, CANARY CREEK
 AND MURDERKILL RIVER, COASTAL
 ABSTRACT THE DISTRIBUTION OF NITRATE AND NITRITE IN TWO
 AREAS OF DELAWARE SALT MARSH WAS STUDIED. SEASONAL VARIATIONS IN NITRATE WERE
 OBSERVED WITH MAXIMUM VALUES IN THE WINTER AND MINIMUM VALUES IN THE SUMMER.
 NITRITE APPEARED TO SHOW A SHORT PERIOD OF MAXIMUM CONCENTRATIONS IN THE FALL;
 WITH MINIMUM CONCENTRATIONS OCCURRING DURING THE SUMMER.
 NAME INTERLIBRARY LOAN
 PHONE NUMBER 302 738 2236
 INSTITUTION OR AGENCY MORRIS LIBRARY, UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE SEASONAL AND SPATIAL DISTRIBUTION OF NITRATE
 AND NITRITE IN THE SURFACE WATERS OF TWO DELAWARE MARSHES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, CANARY CREEK MARSH,
 MURDERKILL MARSH
 ABSTRACT THE DISTRIBUTION OF NITRATE AND NITRITE IN TWO
 AREAS OF DELAWARE SALT MARSH WAS STUDIED FROM JULY, 1966 TO DECEMBER, 1967.
 CANARY CREEK MARSH, LOCATED NEAR THE MOUTH OF DELAWARE BAY, WAS CHARACTERIZED
 BY HIGH SALINITY, LOW NITRATE WATER. THE MURDERKILL MARSH, IN CENTRAL
 DELAWARE, WAS CHARACTERIZED BY LOW SALINITY, HIGH NITRATE WATER. MAN-MADE
 CONTROL STRUCTURES IN THE MURDERKILL MARSH WERE FOUND TO INHIBIT FREE TIDAL
 EXCHANGE, AND THUS MODIFY THE DISTRIBUTION OF NITRATE AND NITRITE.
 NAME LIBRARIAN
 PHONE NUMBER 302 645 6674
 INSTITUTION OR AGENCY MARINE STATION LIBRARY UNIVERSITY OF DELAWARE
 CITY LEWES
 STATE DELAWARE
 ZIP CODE 19558

FILE NAME THE SEASONAL AND SPATIAL DISTRIBUTION OF NITRATE
 AND NITRITE IN THE SURFACE WATERS OF TWO DELAWARE SALT MARSHES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY, CANARY
 CREEK, MURDERKILL RIVER
 ABSTRACT THE DISTRIBUTION OF NITRATE AND NITRITE IN TWO
 AREAS OF DELAWARE SALT MARSH WAS STUDIED. SEASONAL VARIATIONS IN NITRATE WERE
 OBSERVED WITH MAXIMUM VALUES IN THE WINTER AND MINIMUM VALUES IN THE SUMMER.
 NITRITE APPEARED TO SHOW A SHORT PERIOD OF MAXIMUM CONCENTRATIONS IN THE FALL;
 WITH MINIMUM CONCENTRATIONS OCCURRING DURING THE SUMMER.
 NAME JOHN C. BRYSON
 PHONE NUMBER 302 678 4403
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME THE SPHAGNA OF NEW YORK STATE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NORTH CENTRAL NEW YORK
 ABSTRACT THE PRINCIPAL OBJECTIVE OF THIS STUDY IS TO PROVIDE
 A REALISTIC AND USABLE SPHAGNUM (MOSS) TAXONOMY FOR ARYCOLOGISTS IN THE
 NORTHCENTRAL AND NORTHEASTERN UNITED STATES AND CANADA.
 NAME DIRECTOR OF LIBRARIES
 PHONE NUMBER 315 473 6656
 INSTITUTION OR AGENCY STATE UNIVERSITY OF NEW YORK-COLLEGE OF
 ENVIRONMENTAL SCIENCES AND FORESTRY
 STREET F. FRANKLIN MOON LIBRARY
 CITY SYRACUSE
 STATE NEW YORK
 ZIP CODE 13210

FILE NAME THE STATUS OF THE OSPREY IN CAPE MAY COUNTY NEW
 JERSEY BETWEEN 1939 AND 1963
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NEW JERSEY, CAPE MAY
 COUNTY
 ABSTRACT COMPARISON IS MADE OF THE POPULATION OF OSPREYS IN
 CAPE MAY COUNTY, N.J. IN THE LATE 1930'S WITH THAT IN 1963, AND WITH A
 POPULATION OF THESE BIRDS AT TILGHMAN ISLAND, MARYLAND.
 NAME FREDERICK C. SCHMID
 PHONE NUMBER 301 776 4860
 INSTITUTION OR AGENCY BUREAU OF SPORT FISHERIES AND WILDLIFE
 STREET PATUXENT WILDLIFE RESEARCH CENTER
 CITY LAUREL
 STATE MARYLAND
 ZIP CODE 20610

FILE NAME THE STUDY OF MERCURY, HEAVY METALS, AND ORGANIC
 CHEMICAL CONTAMINANTS IN THE FISH AND WILDLIFE OF NEW YORK INCLUDING LAKE ERIE
 AND LAKE CATARIC
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., GREAT LAKES, LAKE ERIE, LAKE
 CATARIC, NEW YORK, HUDSON RIVER
 ABSTRACT THIS PROJECT, BEGUN IN 1961, EXAMINES SAMPLES OF
 FISH AND WILDLIFE, GATHERED FROM EVERY PART OF NEW YORK STATE, ON A DAILY
 BASIS IN ORDER TO ASCERTAIN THE AMOUNT OF MERCURY, HEAVY METALS, PCB RESIDUES,
 PESTICIDE RESIDUES, AND OTHER ORGANIC CHEMICAL POLLUTANTS EACH INDIVIDUAL
 FISH, BIRD, OR MAMMAL HAS ABSORBED AND RETAINED IN ITS SYSTEM.
 NAME EARL J. HARRIS
 PHONE NUMBER 315 337 0910
 INSTITUTION OR AGENCY NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
 PROTECTION, ROSE POLLUTION LABORATORY
 STREET ROUTE 46 AND 8314 FISH HATCHERY ROAD
 CITY ROCHESTER
 STATE NEW YORK
 ZIP CODE 13440

FILE NAME THE SUCCESSIONAL CONVERGENCE OF VEGETATION FROM
 GRASSLAND AND BARE SOIL ON THE PIEDMONT OF NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, HUTCHESON MEMORIAL
 FOREST
 ABSTRACT THIS STUDY IS AN INVESTIGATION OF TWO TYPES OF
 FIELDS, A MAY FIELD AND A PLOWED FIELD, TO DETERMINE THE RATE AND CHARACTER OF
 SUCCESSIONAL CONVERGENCE OF VEGETATION FROM GRASSLAND AND FROM BARE SOIL.
 NAME REFERENCE LIBRARIAN
 PHONE NUMBER 201 732 1766
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME THE SURVIVAL AND GROWTH OF THREE STRAINS OF RAINBOW
 TROUT (SALMO GAIRDNERI) UNDER CONDITIONS OF HIGH NATURAL TEMPERATURES WITH AND
 WITHOUT OTHER FISHES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, HUNTERDON COUNTY
 ABSTRACT A STUDY WAS CONDUCTED IN TWO LIMNOLOGICALLY
 DIFFERING FARM PONDS NEAR ROSENAT, NEW JERSEY FROM SEPTEMBER 1965 THROUGH
 JUNE 1967 TO DETERMINE UPPER TOLERABLE TEMPERATURE LIMITS OF THREE STRAINS OF
 RAINBOW TROUT UNDER TYPICAL WARM WATER CONDITIONS. MEASURED PARAMETERS OF
 WATER QUALITY INCLUDED TEMPERATURE, DISSOLVED OXYGEN GAS, ALKALINITY, PH, AND
 SPECIFIC CONDUCTIVITY.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 201 236 2312
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF FISHERIES
 STREET FRESHWATER FISHERIES LABORATORY
 CITY LEBANON
 STATE NEW JERSEY
 ZIP CODE 08833

FILE NAME THE USE OF LOW LEVEL IMPOUNDMENTS FOR CONTROL OF
 SALT MARSH MOSQUITO EGGS SOLICITANS (WALKER)
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, LEWES, BROADKILL
 RIVER
 ABSTRACT PRE- AND POST-IMPOUNDMENT STUDY FOR MOSQUITO
 CONTROL AT THE BROADKILL FIVER MARSH IN LEWES, DELAWARE FROM JANUARY, 1968 TO
 JANUARY, 1969. PARAMETERS INCLUDE TAXONOMIC LISTS OF PLANTS, ANIMALS, BIRDS,
 FISH, AND MOSQUITOS AND SOME PHYSICAL PARAMETERS.
 NAME FRANK MURPHY
 PHONE NUMBER 302 738 2526
 INSTITUTION OR AGENCY DEPARTMENT OF ENTOMOLOGY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME THE USE OF LOW LEVEL IMPOUNDMENTS FOR THE CONTROL
OF THE SALT-MARSH MOSQUITO, Aedes sollicitans (WALKER)
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY,
BROADKILL MARSH, LEWES

ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
A STUDY CONDUCTED IN 1968 AND 1969 TO EVALUATE THE USE OF CHAMPAGNE POOL
SYSTEMS IN CONTROL OF THE MOSQUITO Aedes sollicitans ON DELAWARE SALT MARSHES.
THE EFFECTIVENESS OF THE SHALLOW DITCH AS A DEVICE TO CONTROL THE WATER LEVEL
IN THE POOL SYSTEM IS INCLUDED. EMPHASIZED ARE MOSQUITO PRODUCTION, VEGETATION
TYPE, MARSH WATER SALINITY AND WILDLIFE PRESENCE BEFORE AND AFTER
THE CONSTRUCTION OF A CHAMPAGNE POOL SYSTEM ON AN UNIMPOUNDED SALT MARSH.

NAME MORRIS LIBRARY
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME THE USE OF VERTEBRAL RINGS TO DETERMINE AGE AND
GROWTH OF RAJA EGLANTERIA, THE CLEARNOSE SKATE, IN DELAWARE BAY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, COASTAL
ABSTRACT AGE AND GROWTH RATES WERE STATISTICALLY ANALYZED
FOR 500 CLEARNOSE SKATES, RAJA EGLANTERIA, COLLECTED IN 1963 FROM LOWER
DELAWARE BAY AND THE ADJACENT ATLANTIC OCEAN. THIS INFORMATION WAS USED TO
EVALUATE PROPOSED GROWTH ZONES (THE HYALINE RINGS) PRESENT IN THE VERTEBRAL
CENTRA, AND TO ESTIMATE THE GROWTH PATTERN OF RAJA EGLANTERIA IN DELAWARE BAY.
MODIFICATION OF A PREVIOUS TECHNIQUE MADE STATISTICAL TREATMENT OF LARGE
NUMBERS OF VERTEBRAL OBSERVATIONS POSSIBLE. THIS STUDY INDICATED THAT THE
PROPOSED GROWTH ZONES HAD THE CHARACTERISTICS OF TRUE ANNULLI. THE RINGS WERE
FOUND TO BE COMPLETE AND CONCENTRIC, TO INCREASE IN NUMBER IN LARGER SKATES
AND APPEARED TO BE FORMED IN WINTER.

NAME LIBRARIAN
PHONE NUMBER 302 645 6674
INSTITUTION OR AGENCY MARINE STATION LIBRARY UNIVERSITY OF DELAWARE
CITY LEWES
STATE DELAWARE
ZIP CODE 19558

FILE NAME THE VEGETATION OF THE WILLIAM L. HUTCHESON MEMORIAL
FOREST: A QUANTITATIVE COMPARISON OF TWENTY YEARS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, HUTCHESON MEMORIAL
FOREST

ABSTRACT THE HUTCHESON MEMORIAL FOREST CAN ROUGHLY BE
DIVIDED INTO TWO PORTIONS: ONE OCCUPYING THE WELL-DRAINED UPLAND SITE, AND THE
OTHER OCCUPYING THE POORLY-DRAINED LOWLAND SITES. FOUR DISTINCT SHRUB TYPES
ARE LOCATED IN THE WELL-DRAINED SITE AND FOUR DIFFERENT TYPES ON THE
POORLY-DRAINED SITES. THE UPLAND FOREST IS STRATIFIED INTO FOUR DISTINCT
LAYERS. OAKS AND HICKORIES DOMINATE THE MAIN CANOPY, COCCOONS DOMINATE THE
IMMEDIATE UNDERSTORY, THE SHRUB-LAYER IS DOMINATED BY MAPLE-LEAVED VIBURNUM,
AND THE HERB LAYER BY MAY APPLE. THE RESULTS OF THE 1970 SURVEY WERE COMPARED
TO A 1950 SURVEY OF THE SAME LOCATIONS WITHIN THE FOREST.

NAME REFERENCE LIBRARIAN
PHONE NUMBER 201 732 1766
INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
CITY NEW BRUNSWICK
STATE NEW JERSEY
ZIP CODE 08503

FILE NAME THE VIRGINIA BARRIER ISLAND OF THE DELMARVA
PENINSULA STUDY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, VIRGINIA
BARRIER ISLANDS

ABSTRACT MISSION W052, FLIGHT01, WAS ACCOMPLISHED ON APRIL
15, 1971, UTILIZING A WASHINGTON FIELD CENTER LEASED HELICOPTER EQUIPPED WITH
FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN PHOTOGRAPHIC IMAGERY
OF THE BARRIER ISLANDS FROM THE MARYLAND/VIRGINIA STATE LINE TO CAPE CHARLES,
VIRGINIA.

NAME MICHAEL CENGER
PHONE NUMBER 804 824 3411
INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
CITY WALLCROSS ISLAND
STATE VIRGINIA
ZIP CODE 23337

FILE NAME THE 1975 OUTBREAK OF HEMORRHAGIC DISEASE AMONG
 WHITE-TAILED DEER IN NORTHWESTERN NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, NORTHWEST COUNTIES
 ABSTRACT A STUDY WAS CONDUCTED IN THE LATE SUMMER AND FALL
 OF 1975 OF AN OUTBREAK OF EPIZOOTIC HEMORRHAGIC DISEASE (EHD) IN NORTHWEST NEW
 JERSEY WHICH RESULTED IN THE DEATH OF AN ESTIMATED 1000 WHITE-TAILED DEER
 (CERCOPITHECUS VIRGINIANUS). AGE AND SEX DISTRIBUTIONS OF DEER EXAMINED DURING
 THE OUTBREAK WERE DETERMINED AND CLINICAL SIGNS AND GROSS POST MORTEM
 PATHOLOGY FINDINGS WERE GIVEN.

NAME PRINCIPAL WILDLIFE BIOLOGIST
 PHONE NUMBER 201 735 8793
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND WILDLIFE, BUREAU OF WILDLIFE MANAGEMENT
 STREET CLINTON WILDLIFE MANAGEMENT AREA
 CITY HAMPTON
 STATE NEW JERSEY
 ZIP CODE 08827

FILE NAME THERMAL IR SCANNER TEST MISSION
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WACHAPREAGLE, HOG ISLAND, YORK RIVER
 ABSTRACT MISSION W137, FLT. 1, JUNE 15, 1972, WITH WILLOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH AAD-2 THERMAL SCANNER. OBJECTIVE - TO TEST
 SENSITIVITY AND V/F SETTING OF SCANNER AFTER MAJOR RECONDITIONING AND
 ALIGNMENT.

NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME THERMAL IR SCANNER TEST MISSION
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WACHAPREAGLE
 ABSTRACT MISSION W140, FLT. 1, JUNE 16, 1972, WITH WILLOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH AAD-2 THERMAL IR SCANNER TAKEN OVER
 WILLOPS ISLAND - CHINCOTEAGUE, VA. AND WACHAPREAGLE INLET. OBJECTIVE - TO TEST
 SENSITIVITY OF OVERALL PERFORMANCE OF AAD-2 THERMAL SCANNER.

NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WILLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME THERMAL-INFRARED IMAGERY OF NEW YORK STATE WATERS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., GREAT LAKES, NEW YORK, LAKE
 ONTARIO, SAINT LAWRENCE RIVER, HUDSON RIVER ESTUARY
 ABSTRACT AERIAL THERMAL-IR SENSING WAS ADDED TO THE NEW
 YORK STATE WATER-QUALITY SURVEILLANCE PROGRAM IN 1970 THROUGH COOPERATION WITH
 THE U.S. GEOLOGICAL SURVEY. FIFTEEN HUNDRED MILES OF SHORELINE ALONG LAKE
 ONTARIO, ST. LAWRENCE RIVER AND THE HUDSON RIVER ESTUARY WERE SURVEYED BY
 INFRARED SCANNER. DATA COLLECTION WAS MONITORED IN FLIGHT TO INSURE PROPER
 AREAL AND THERMAL DATA INVESTIGATION. THE DETECTOR IN THE SCANNER WAS
 RESPONSIVE TO RADIATION WAVELENGTHS UP TO 20 MICROMETERS. QUANTITATIVE IMAGERY
 (RADIOMETRY) READINGS TO 0.1 DEGREE CENTIGRADE WAS DONE.

NAME CHIEF, HYDROLOGIC RECORDS AND INFORMATION SECTION
 PHONE NUMBER 518 472 3107
 INSTITUTION OR AGENCY U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION
 STREET POST OFFICE BOX 54E
 CITY ALBANY
 STATE NEW YORK
 ZIP CODE 12201

FILE NAME THICKNESS OF THE AMERICAN WOODCOCK EGGSHELL, 1971
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., CONNECTICUT, MAINE, MARYLAND,
 PENNSYLVANIA, VERMONT, WISCONSIN, MASSACHUSETTS, MICHIGAN, MINNESOTA, NEW
 JERSEY
 ABSTRACT THIS PAPER REPORTS THE SHELL THICKNESS OF EGGS OF
 THE AMERICAN WOODCOCK (PHILCHILIA MINOR) IN 1971 IN COMPARISON WITH THE SHELL
 THICKNESS OF EGGS COLLECTED DURING THE PERIOD 1859-1939.

NAME J.F. KREITZER
 PHONE NUMBER 301 776 4860
 INSTITUTION OR AGENCY U.S. BUREAU OF SPORT FISHERIES AND WILDLIFE
 STREET PATUXENT WILDLIFE RESEARCH CENTER
 CITY LAUFEL
 STATE MARYLAND
 ZIP CODE 20610

FILE NAME TIDAL BENCH MARK DATA FILE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S.,
 COASTAL, MAINE, NEW HAMPSHIRE, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, NEW
 YORK, NEW JERSEY, PENNSYLVANIA, DELAWARE, MARYLAND, DISTRICT OF COLUMBIA,
 VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, FLORIDA, ALABAMA,
 MISSISSIPPI, LOUISIANA, TEXAS, CALIFORNIA, OREGON, WASHINGTON, ALASKA, HAWAII
 ABSTRACT THIS FILE CONTAINS TIDAL BENCH MARK INFORMATION FOR
 THE COASTAL UNITED STATES. THE FILE HAS BENCH MARKS FOR OVER 2000 LOCATIONS.
 EACH LOCATION IS ON ONE PAGE OF A VOLUME, THERE ARE 33 VOLUMES COVERING THE
 COAST. EACH DATA SHEET CONTAINS GENERAL GEOGRAPHICAL AREA OF THE STATIONS, THE
 EXACT POSITION AND ELEVATION OF EACH INDIVIDUAL BENCH MARK IS GIVEN. THE DATE
 OF THE SURVEY IS ALSO GIVEN. DATA CAN BE GIVEN OUT AS A COPY OF THE DATA
 SHEETS. A MAP IS ALSO AVAILABLE FOR EACH STATE GIVING BENCH MARK LOCATIONS.

NAME CHIEF, TIDES BRANCH
 PHONE NUMBER 301 496 8468
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME TIDAL CURRENTS AT MOUTH OF CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY
 ENTRANCE, VIRGINIA
 ABSTRACT TIDAL CURRENT SPEED AND DIRECTION AT THE ENTRANCE
 TO CHESAPEAKE BAY OBTAINED OVER 30 HOUR PERIODS. DATA REDUCED TO OBTAIN DEPTH
 PROFILES OF CURRENT PARAMETERS

NAME JOHN LUDWICK
 PHONE NUMBER 703-485-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23506

FILE NAME TIDAL CURRENTS, CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, MARYLAND,
 VIRGINIA, CHESAPEAKE BAY.
 ABSTRACT VARIOUS CURRENT SURVEYS OF THE CHESAPEAKE BAY AND
 MAJOR TRIBUTARIES WERE CONDUCTED IN THE YEARS 1917 TO 1965. MOST STATIONS WERE
 OCCUPIED FOR AN AVERAGE OF 4 DAYS WITH HALF HOURLY SAMPLES. SAMPLING DEVICES
 USED INCLUDE CURRENT POLES, PRICE CURRENT METERS, EKMAN CURRENT METERS,
 ROBERTS RADIO CURRENT METERS, AND VAN ARK CURRENT METERS.

NAME CHIEF, OCEANOGRAPHIC SURVEY BRANCH
 PHONE NUMBER 301 496 8501
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME TIDAL CURRENTS, DELAWARE BAY AND RIVER
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE,
 DELAWARE BAY, DELAWARE RIVER
 ABSTRACT A SERIES OF 5 SURVEYS OF THE DELAWARE BAY AND RIVER
 WERE MADE FROM 1924 TO 1959. 42 STATIONS WERE SAMPLED IN 1924 USING CURRENT
 POLES AND PRICE CURRENT METERS. IN 1929 A SURVEY WAS CONDUCTED BY THE ARMY
 CORPS OF ENGINEERS OF THE INDIAN RIVER INLET. IN 1947, 62 STATIONS IN THE BAY
 WERE SAMPLED AGAIN USING CURRENT POLES AND PRICE CURRENT METERS. THE 1953
 SURVEY OF THE BAY USES 26 STATIONS SAMPLED WITH CURRENT POLES, PRICE METERS
 AND USUALLY ONE ROBERTS RADIO CURRENT METER PER STATION. IN 1959, 2 STATIONS
 WERE SAMPLED FROM THE BAY ENTRANCE AND 2 FROM THE RIVER ENTRANCE.

NAME CHIEF, OCEANOGRAPHIC SURVEY BRANCH
 PHONE NUMBER 301 496 8501
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME TIDAL CURRENTS, LONG ISLAND SOUND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, LONG ISLAND
 SOUND
 ABSTRACT A SERIES OF 7 SURVEYS OF THE LONG ISLAND SOUND WERE
 TAKEN FROM 1915 TO 1939. ALL SURVEYS CONSISTED OF TIDAL CURRENT OBSERVATIONS.
 ALL OBSERVATIONS WERE TAKEN WITH THE USE OF CURRENT POLES AND PRICE CURRENT
 METERS. THE SURVEYS COVERED THE ENTIRE AREA OF LONG ISLAND AND BLOCK ISLAND
 SOUND WITH SPECIAL ATTENTION GIVEN TO SHIPPING CHANNELS AND HARBORS.
 NAME CHIEF, OCEANOGRAPHIC SURVEY BRANCH
 PHONE NUMBER 301 496 8501
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME TIDAL CURRENTS, NEW YORK HARBOR
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., NEW YORK, COASTAL, NEW
 YORK HARBOR N.Y. EIGHT
 ABSTRACT A SERIES OF SURVEYS OF NEW YORK HARBOR AND
 APPROACHES WERE CONDUCTED ALMOST CONTINUOUSLY FROM 1919 TO 1959, WITH THE MOST
 COMPLETE SURVEY CONDUCTED IN 1956-59. THIS DATA IS USED IN TIDAL CURRENT
 PREDICTIONS OF NEW YORK HARBOR AND APPROACHES.
 NAME CHIEF, OCEANOGRAPHIC SURVEY BRANCH
 PHONE NUMBER 301 496 8501
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME TIDAL CURRENTS, VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, YORK, JAMES,
 AND RAPPAHANNOCK, VIRGINIA
 ABSTRACT 6 SURVEYS OF THE VIRGINIA COAST, AND THE YORK,
 JAMES, AND RAPPAHANNOCK RIVERS. OBSERVATIONS WERE OBTAINED BY THE USE OF
 CURRENT POLES, AND ROBERTS RADIO CURRENT METERS.
 NAME CHIEF, OCEANOGRAPHIC SURVEY BRANCH
 PHONE NUMBER 301 496 8501
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME TIDAL STUDIES OF WACHAPREAGUE INLET AND WETLANDS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA,
 WACHAPREAGUE INLET
 ABSTRACT MISSION WC94, FLT01, UTILIZED A FLIGHT CENTER
 HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH
 THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE WAS TO OBTAIN COLOR
 AND FALSE COLOR INFRARED IMAGERY OF THE WACHAPREAGUE INLET TIDAL MARSHES.
 ACTUAL FLIGHT LINES ARE MAPPEC.
 NAME MICHAEL CENGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME TIDAL STUDIES OF WACHAPREAGUE INLET
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA,
 WACHAPREAGUE INLET
 ABSTRACT MISSION WC85, FLIGHT C2, WAS ACCOMPLISHED ON JUNE
 1, 1971, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN BLACK AND WHITE AND
 FALSE COLOR INFRARED IMAGERY OF THE TIDAL CURRENTS PASSING THROUGH
 WACHAPREAGUE INLET.
 NAME MICHAEL CENGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME TIDAL STUDIES OF WACHAPREAGUE INLET
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA,
 WACHAPREAGUE
 ABSTRACT MISSION W067, FLIGHT 03, WAS ACCOMPLISHED ON JUNE
 14, 1971, UTILIZING A WALLCPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN COLOR AND BLACK AND
 WHITE INFRARED IMAGERY OF WACHAPREAGUE INLET AND THE SHALLOW WATER OFF
 PARRAMORE ISLAND FOR USE IN STUDYING TIDAL FLOWS.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME TIDAL STUDIES OF WACHAPREAGUE INLET AND PARRAMORE
 ISLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA,
 WACHAPREAGUE INLET AND PARRAMORE ISLAND
 ABSTRACT MISSION W086, FLIGHT 02, WAS ACCOMPLISHED ON
 SEPTEMBER 15, 1971, UTILIZING A WALLCPS FLIGHT CENTER LEASED HELICOPTER
 EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE
 VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO
 OBTAIN OCEAN AND TIDAL CURRENT DATA FROM COLOR AND FALSE COLOR INFRARED
 PHOTOGRAPHY OF THE WACHAPREAGUE INLET AND PARRAMORE ISLAND.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME TIDAL VARIATIONS IN PHYTOPLANKTON PRODUCTION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, BROADKILL
 RIVER
 ABSTRACT DAILY MEASUREMENTS AT HIGH AND LOW TIDE OF
 PHYTOPLANKTON PRODUCTION, CHLOROPHYLL A AND TOTAL RADIANT ENERGY DURING THE
 SUMMER OF 1975 AT A FIXED STATION IN THE BROADKILL RIVER, DELAWARE ARE
 AVAILABLE IN THIS THESIS.

NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2565
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MERRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME TIDAL VARIATIONS-DELMARVA PENINSULA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE, MARYLAND,
 VIRGINIA
 ABSTRACT MISSION W267, FLIGHT 01, WAS ACCOMPLISHED ON AUGUST
 26, 1974, UTILIZING A SHAW A.F.B. F-4C AIRCRAFT EQUIPPED WITH AN AN/MPQ-102A
 SIDE LOOKING AIRBORNE RADAR SYSTEM. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY
 TIDAL VARIATIONS, OCEAN SIDE AND BAYSIDE, ALONG THE DELMARVA PENINSULA, AND TO
 COLLECT ADDITIONAL HYDROGRAPHIC DATA IN THE DELAWARE BAY REGION.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME TIDAL WETLAND STUDIES AT WACHAPREAGUE INLET
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA,
 WACHAPREAGUE
 ABSTRACT MISSION W079, FLIGHT 02, WAS ACCOMPLISHED ON AUGUST
 20, 1971, UTILIZING A WALLCPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO IDENTIFY AND MAP WETLAND
 VEGETATION IN THE WACHAPREAGUE INLET TIDAL MARSHES USING BLACK AND WHITE
 INFRARED AND FALSE COLOR INFRARED PHOTOGRAPHY.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME TICAL WETLANDS STUDIES OF WACHAPREAGUE INLET AND
 YORK RIVER ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W096, FLT1, UTILIZED A HELICOPTER EQUIPPED
 WITH FOUR T-11 AERIAL MAPPING CAMERAS. OBJECTIVE WAS TO OBTAIN COLOR AND FALSE
 COLOR INFRARED IMAGERY OF OCEAN MARSHES AND ESTUARINE WETLANDS IN THE
 WACHAPREAGUE AND YORK RIVER AREAS. ACTUAL FLIGHT LINES ARE MAPPED.
 NAME MICHAEL CENGER
 PHONE NUMBER EC4 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAMS OFFICE
 CITY HALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME TIDE FILE - MONTHLY SUMMARY - CONTROL STATIONS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, NORTH PACIFIC, U.S., COASTAL,
 ALASKA, PACIFIC ISLANDS
 ABSTRACT THIS FILE CONTAINS TIDE HEIGHTS, TIMES OF HIGH AND
 LOW WATER FOR THOSE TIDE STATIONS WHICH ARE NOT AUTOMATED. DATA SHEETS CONTAIN
 INFORMATION ON TIDAL HEIGHT, PERIOD, ETC. DATA IS AVAILABLE AS COPY OF DATA
 SHEETS, ONE SHEET FOR EACH MONTH. DATA IS KEPT ON STATION FOR A 10 YEAR PERIOD
 AFTER WHICH IT IS FORWARDED TO THE ARCHIVES. DATA IS MAINTAINED IN TWO YEARLY
 UNITS OF MONTHLY SUMMARIES.
 NAME CHIEF, TIDES BRANCH
 PHONE NUMBER 301 496 8468
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME TIME-RELATED STRUCTURAL CHANGES IN A SHALLOW
 ESTUARINE DEPOSIT-FEEDING COMMUNITY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE,
 REHOBOTH BAY, SALLY COVE
 ABSTRACT THIS FILE DATA IS PURSUANT TO TIME-RELATED CHANGE
 STUDIES ON ESTUARINE, BENTHIC DEPOSIT-FEEDING. THE DATA, TAKEN ONCE EVERY 4
 WEEKS FROM MAY 1971 UNTIL JULY 1973 IN THE SAME AREA OF SALLY COVE, REHOBOTH
 BAY (DELAWARE), INCLUDES COUNTS AND SPECIES DETERMINATION OF BENTHIC ANIMALS,
 TEMPERATURE AND SALINITY FOR THE OVERLYING WATER COLUMN, AS WELL AS
 MORPHOMETRIC SIZE DISTRIBUTION INFORMATION ON THE BENTHOS. THE SEDIMENT WAS
 ANALYZED FOR SIZE AND PERCENT VOLATILES. THIS DATA IS CONTAINED IN A PHD
 DISSERTATION BY LESLIE ELLARE WATLING, 1974, UNIVERSITY OF DELAWARE.
 NAME REFERENCE LIBRARIAN
 PHONE NUMBER 302 738 2235
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET MCCRIS LIBRARY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME TIME, SPACE AND FOOD PARTITIONING IN A FIRST ORDER
 DELAWARE STREAM
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY,
 NEWARK
 ABSTRACT THE STONEFLY FAUNA OF A 0.56 FIRST ORDER STREAM WAS
 STUDIED OVER A ONE YEAR PERIOD. PARAMETERS MEASURED WERE DONE WITHIN THREE
 SECTIONS OF THE STREAM. TEMPORAL DISTRIBUTIONS OF 11 SPECIES OF NYMPHS AND
 FOUR SPECIES OF ADULTS WAS DETERMINED. NICHE REACTI, OVERLAP, AND HYPERVOLUME
 WERE CALCULATED.
 NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MCCRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME TOLERANCE BY NURSERY LINERS, WEED CONTROL, AND PERSISTENCE OF SPRING AND FALL APPLICATIONS OF HERBICIDES
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, CHESTER COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING STUDIES CONDUCTED IN SOUTHERN PENNSYLVANIA FROM 1962 TO 1963 TO ESTABLISH THE EFFECTS OF VARIOUS HERBICIDES APPLIED AT HIGH RATES ON WEED CONTROL AND THE CONDITIONS OF NURSERY LINERS.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME TOPOGEOGRAPHIC FLORAL COMMUNITIES OF THE COASTAL PLAINS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., NEW JERSEY TO GEORGIA
 ABSTRACT PRIMARILY AN ECOSYSTEMATICS FIELD STUDY OF THE MAJOR TYPES OF FLORISTIC AND PLANT COMMUNITIES OF THE COASTAL PLAIN, FROM NEW JERSEY TO GEORGIA, WITH EMPHASIS ON QUALITATIVE ANALYSIS AND DISTRIBUTION. COMMUNITY TYPES INCLUDE PIONEER, AQUATIC, MARSH, GRASS, SAVANNAH, SCRUB, AND FOREST. COMMUNITY COMPONENTS INCLUDE CANOPY, SUB-CANOPY, SHRUBS, HERBS, AND VINES. ANCILLARY DATA INCLUDES ELEVATION, SLOPE IN DEGREES AND SOIL TYPES.

NAME ALBERT E. RADFORD
 PHONE NUMBER 919 533 2211
 INSTITUTION OR AGENCY DEPARTMENT OF BOTANY
 STREET UNIVERSITY OF NORTH CAROLINA
 CITY CHAPEL HILL
 STATE NORTH CAROLINA
 ZIP CODE 27514

FILE NAME TOTAL COLIFORM COUNTS FOR COASTAL NEW JERSEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, DELAWARE BAY
 ABSTRACT THE SHELLFISH CONTROL UNIT HAS BEEN SAMPLING TOTAL COLIFORM BACTERIA SINCE 1961 AT SEVERAL HUNDRED OCEAN AND DELAWARE BAY STATIONS.

NAME SUPERVISOR OF SHELLFISH CONTROL UNIT
 PHONE NUMBER 609 652 1758
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER RESOURCES, SHELLFISH CONTROL UNIT
 STREET P.O. BOX 2605
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME TOXICITY OF PARIS GREEN, METHOXYCHLOR AND NEW ORGANOPHOSPHATE INSECTICIDES TO SALT MARSH KILLIFISH AND CRUSTACEANS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEWARK, PORT MAHON MARSH

ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING A STUDY CONDUCTED IN DELAWARE DURING 1967 AND 1968 TO EVALUATE THE EFFECTS OF CERTAIN POTENTIAL CANDIDATE MOSQUITO CONTROL INSECTICIDES ON THREE NON-TARGET SALT MARSH ORGANISMS: THE COMMON KILLIFISH (FUNDULUS HETEROCCLITUS), THE GRASS SHRIMP (PALAEMONETES PUGIO) AND THE FIDDLER CRAB (UEA PUGNAX). EMPHASIZED ARE THE CUMULATIVE AND/OR ACUTE EFFECTS OF CERTAIN GRANULAR AND LIQUID FORMULATIONS OF MOSQUITO INSECTICIDES ON THE NON-TARGET SALT MARSH ORGANISMS. IN SMALL SCALE FIELD TESTS, THE PERSISTENCE OF CERTAIN INSECTICIDES IN THE HABITAT WATER AND THE PERCENT REDUCTION OF THE SALT MARSH MOSQUITO BY ULTRA-LOW VOLUME APPLICATIONS OF INSECTICIDE IN LARGE SCALE FIELD TESTS.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME TOXICITY OF SOME ORGANOPHOSPHATE INSECTICIDES TO SALT MARSH KILLIFISH AND CRUSTACEANS

GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING A STUDY CONDUCTED LARRICIDES ON THE COMMON KILLIFISH, FUNGULUS HETEROCCLITUS (L.), GRASS SHRIMP, PALAEMONETES PUGIO MOLTUS, AND BLUE CRAB, CALENECTES SAPIDUS RATHBLN. RESULTS OF ACUTE AND CUMULATIVE TOXICITY TESTS AS WELL AS STUDIES TO DETERMINE THE PERSISTENCE OF TEST MATERIALS ARE INCLUDED.

NAME MORRIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME TRACE METAL BASELINE STUDIES ON THE MURDERKILL AND
ST. JONES RIVERS, DELAWARE COASTAL PLAIN
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE, DELAWARE
BAY, MURDERKILL AND ST. JONES RIVERS
ABSTRACT

THE PRINCIPAL PURPOSE OF THIS STUDY TO ESTABLISH A
TRACE METAL-BASELINE FOR THE MURDERKILL RIVER PRIOR TO COMMENCEMENT OF
OPERATION OF THE KENT COUNTY REGIONAL SEWAGE TREATMENT PLANT. BASELINES ARE
ESTABLISHED FOR IRON, MAGNESIUM, ZINC, CHROMIUM, COPPER, LEAD, CADMIUM,
MERCURY, NICKEL AND STRONTIUM. IN ADDITION TO THE ESTABLISHMENT OF THESE
BASELINES, THE SECOND PURPOSE OF THIS STUDY IS TO CONTRAST THE MURDERKILL
RIVER BASELINE WITH A SIMILARLY ESTABLISHED BASELINE FOR THE ST. JONES RIVER,
WHICH HAS BEEN THE RECIPIENT OF DOMESTIC SEWAGE AND INDUSTRIAL AND OTHER
ORGANIC WASTES FOR A NUMBER OF YEARS. BY COMPARING THE RESULTS OF THESE TWO
RIVER SYSTEM'S BASELINES, IT IS HOPED THAT SOME PROJECTION MAY BE MADE OF
THOSE METALS. SAMPLES WERE TAKEN AT 56 STATIONS, APPROXIMATELY EVERY HALF-TO
THREE-QUARTERS OF A MILE FROM THE MOUTH OF THE RIVERS TO ABOVE THE LIMIT OF
SALT INTRUSION.

NAME DR. ROBERT E. BIGGS
PHONE NUMBER 302 738 2842
INSTITUTION OR AGENCY DEPARTMENT OF GEOLOGY, UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME TRACE METAL ENRICHMENT IN THE SEA-SURFACE MICROLAYER
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT
ABSTRACT SEA-SURFACE MICROLAYER SAMPLES HAVE BEEN ANALYZED
FOR THE TRACE METALS ALUMINUM, IRON, MANGANESE, NICKEL, LEAD, AND VANADIUM BY
ATOMIC ABSORPTION SPECTROMETRY AND NEUTRON ACTIVATION. SAMPLES WERE COLLECTED
WITH POLYETHYLENE SCREENS IN THE COASTAL WATERS OF THE NEW YORK BIGHT. METAL
ENRICHMENT IN THE PARTICULATE AND CHLOROFORM-EXTRACTABLE FRACTION OF THE
SURFACE MICROLAYER WAS COMPARED TO WATER 20 CM BELOW THE SURFACE.

NAME ROBERT A. DUCE
PHONE NUMBER 401 792 6111
INSTITUTION OR AGENCY GRADUATE SCHOOL OF OCEANOGRAPHY
STREET UNIVERSITY OF RHODE ISLAND
CITY KINGSTON
STATE RHODE ISLAND
ZIP CODE 02881

FILE NAME TRACE METAL ENVIRONMENTS NEAR SHELL BANKS IN
DELAWARE BAY
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY,
DELAWARE
ABSTRACT SURVEY OF TRACE METAL CONCENTRATIONS IN SEDIMENTS
COLLECTED FROM THE DELAWARE BAY. REPORT CHARACTERIZED TRACE METALS TO THEIR
PRIMARY SOURCE AND THE MAJOR FACTOR INFLUENCING THEIR DISTRIBUTION

NAME FREDERICK BOFF
PHONE NUMBER 302-738-2642
INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES
STREET UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME TRACE METAL ENVIRONMENTS NEAR SHELL BANKS IN
DELAWARE BAY
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY
ABSTRACT TRACE METAL CONDITIONS OF THE BOTTOM SEDIMENTS IN
THE DELAWARE BAY NEAR EXISTING OYSTER BANKS WERE INVESTIGATED IN ORDER TO
LOCATE AREAS SUITABLE FOR THE LOCATION OF CULTURED OYSTER BANKS.

NAME LIBRARIAN
PHONE NUMBER 302 738 2455
INSTITUTION OR AGENCY MORRIS LIBRARY
STREET UNIVERSITY OF DELAWARE
CITY NEWARK
STATE DELAWARE
ZIP CODE 19711

FILE NAME TRACE METAL ENVIRONMENTS NEAR SHELL BANKS IN
DELAWARE BAY
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, DELAWARE, DELAWARE BAY
ABSTRACT THE PRIMARY OBJECTIVE WAS TO TYPIFY THE TRACE METAL
GEOCHEMICAL ASPECTS OF THE SEDIMENTARY ENVIRONMENTS WHICH SUPPORT OYSTERS IN
DELAWARE BAY. THESE RESULTS PROVIDE BASELINE INFORMATION TO BE USED IN THE
OYSTER EARLY-WARNING POLLUTION MONITORING SYSTEM BEING DEVELOPED BY THE STATE
OF DELAWARE AND THE UNIVERSITY OF DELAWARE. IN ADDITION, A FURTHER OBJECTIVE
IS TO CHARACTERIZE THE TRACE METALS DETERMINED WITH RESPECT TO THEIR
GENERALIZED SOURCE, AND THE PRIMARY FACTORS CONTROLLING THEIR DISTRIBUTION.
SAMPLES WERE COLLECTED FROM 118 DISCRETE LOCATIONS IN DELAWARE BAY. BASELINES
ARE ESTABLISHED FOR IRON, MAGNESIUM, ZINC, CHROMIUM, COPPER, LEAD, CADMIUM,
MERCURY, NICKEL, AND STRONTIUM.

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FILE NAME TRACE METAL STUDIES ON THE MURDERKILL AND ST JONES
RIVERS DELAWARE COASTAL FLAIN
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY,
DELAWARE, MURDERKILL RIVER, ST JONES RIVER
ABSTRACT SURVEY OF TRACE METAL CONCENTRATIONS IN THE
SEDIMENTS OF THE MURDERKILL AND ST JONES RIVERS DELAWARE IN ORDER TO ESTABLISH
BASELINES PRIOR TO OPERATION OF THE KENT COUNTY REGIONAL SEWAGE TREATMENT
PLANT
NAME FREDERICK BOPP
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FILE NAME TRACE METALS IN PETROLEUM: A TOOL FOR MONITORING
ESTUARINE OIL SPILLS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, COASTAL, DELAWARE
BAY, DELAWARE RIVER, LEMES
ABSTRACT THIS PAPER IS AN ATTEMPT TO USE AMOUNTS AND RATIOS
OF SELECT TRACE METALS; NAMELY, VANADIUM, IRON, COPPER, NICKEL AND MANGANESE
IN THE IDENTIFICATION OF OIL-SPILLS. THESE FIVE METALS WERE MONITORED IN
STRANDED OIL, OILY SURFACE FILMS, NATURAL FILMS AND THE WATER COLUMN FOLLOWING
THE CORINTHOS ACCIDENT WHICH RESULTED IN THE RELEASE OF $1.9 \times 10^{**6}$ LITERS OF
CRUDE OIL TO THE DELAWARE RIVER. OF THE FIVE METALS STUDIED, ONLY NICKEL AND
VANADIUM WERE FOUND USEFUL AS OIL-SPILL TAGS. IT WAS FOUND THAT ONLY
VANADIUM-NICKEL AND VANADIUM-COPPER RATIOS COULD DISTINGUISH BETWEEN SPILLED
OIL AND NATURALLY OCCURRING FILMS.
NAME INTER-LIBRARY LOAN
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FILE NAME TRACE METALS IN THE LONGFIN LAKE, PHYCIS CHESTERI
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, NORFOLK CANYON
ABSTRACT CONCENTRATIONS OF THE HEAVY METALS MERCURY, LEAD,
CADMIUM, COPPER, AND ZINC WERE DETERMINED IN AXIAL MUSCLE TISSUE FROM
TWENTY-FIVE SPECIMENS OF LONGFIN LAKE, PHYCIS CHESTERI. THE SPECIMENS WERE
TAKEN BY BOTTOM TRAWL FROM 540 TO 650 METERS DEPTH ON THE CONTINENTAL SLOPE,
IN THE NORFOLK CANYON REGION OFF THE ATLANTIC COAST OF THE UNITED STATES.
NAME KENNETH A. MCCRE
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FILE NAME TRANSPORTATION OF SAND GRAINS ALONG THE ATLANTIC
SHORE OF LONG ISLAND, NEW YORK
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., N.Y. BIGHT, LONG ISLAND, SOUTH
SHORE, COASTAL
ABSTRACT AT LEAST 500 SECTIONS OF SURFACE REPLICAS FROM 45
SAND GRAINS COLLECTED ALONG THE ATLANTIC SHORE OF LONG ISLAND, NEW YORK,
BETWEEN MONTAUK POINT AND EAST HAMPTON WERE EXAMINED BY ELECTRON MICROSCOPY AT
MAGNIFICATIONS OF ABOUT 5,000X. THE SAMPLES FROM THE MONTAUK TILL AND THE
BEACH ADJACENT TO IT AT MONTAUK POINT EXHIBITED GLACIAL TEXTURES. THE SAMPLES
FROM BEACHES FURTHER WEST INDICATED THAT GLACIAL TEXTURES WERE PROGRESSIVELY
REPLACED BY BEACH TEXTURES. OBSERVATIONS OF SURFACE TEXTURES YIELD INVALUABLE
INFORMATION CONCERNING THE ORIGIN AND TRANSPORTATION OF SAND.
NAME DR. DAVID KRINSLEY
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COLLEGE, CITY UNIVERSITY OF NEW YORK
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FILE NAME TRAPPER HARVEST, RECREATIONAL AND ECONOMIC SURVEYS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, ATLANTIC, BERGEN,
 BURLINGTON, CAMDEN, CAPE MAY, CUMBERLAND, ESSEX, GLOUCESTER, HUDSON,
 HUNTERDON, MERCER, MIDDLESEX, MONMOUTH, MORRIS, OCEAN, PASSAIC, SALEM,
 SOMERSET, SUSSEX, UNION, WARREN.
 ABSTRACT THIS REPORT PERTAINS TO THE ANNUAL SURVEY OF THE
 HARVEST OF WILD FUR-BEARING ANIMALS IN NEW JERSEY DURING THE 1975-1976
 TRAPPING SEASON. THE ANIMALS INCLUDED IN THE REPORT ARE: MUSKRAT, RACCOON, RED
 FOX, GREY FOX, MINK, SKUNK, COYOTE, WEASEL AND BEAVER.
 NAME PRINCIPAL WILDLIFE BIOLOGIST
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 DIVISION OF FISH, GAME, AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET CLINTON WILDLIFE MANAGEMENT AREA
 CITY HAMPTON
 STATE NEW JERSEY
 ZIP CODE 08827

FILE NAME TRAWL FISHERY INVESTIGATION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, COASTAL
 ABSTRACT THE VARIOUS ASPECTS OF THE DELAWARE BAY TRAWL
 FISHERY ARE PRESENTED WITH PARTICULAR REFERENCE TO POSSIBLE DESTRUCTIVE AND
 CONSTRUCTIVE EFFECTS.
 NAME FRANKLIN C. DAIBER
 PHONE NUMBER 302 738 1212
 INSTITUTION OR AGENCY COLLEGE OF MARINE STUDIES
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
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FILE NAME TUBE BUILDING, GROWTH AND SEDIMENT RELATIONSHIPS IN
 POPULATIONS OF PECTINARIA GULCII FROM BARNEGAT BAY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, BARNEGAT
 BAY
 ABSTRACT THIS PAPER INVESTIGATES THE HABITS OF THE WORM,
 PECTINARIA AND ITS RELATIONSHIP TO THE SEDIMENT. SPECIFICALLY INVESTIGATED
 WERE: 1) VARIATION IN SHAPE OF WORM TUBES FROM DIFFERENT LOCATIONS, 2) THE
 RELATIONSHIP BETWEEN THE TUBE AND THE ANIMAL, 3) SAND GRAIN SELECTION FOR TUBE
 BUILDING, 4) SEASONAL DISTRIBUTION OF THE WORM IN BARNEGAT BAY.
 NAME REFERENCE LIBRARIAN
 PHONE NUMBER 201 732 1766
 INSTITUTION OR AGENCY LIBRARY OF MEDICINE AND SCIENCE, RUTGERS UNIVERSITY
 CITY NEW BRUNSWICK
 STATE NEW JERSEY
 ZIP CODE 08903

FILE NAME TWO NEW SPECIES OF ECHENEIBOTHRUM (CESTODA:
 TETRAPHYLLEIDAE) FROM SKATES IN THE WESTERN NORTH ATLANTIC
 GENERAL GEOGRAPHIC AREA WESTERN NORTH ATLANTIC OCEAN, VINEYARD SOUND,
 HUDSON CANYON

ABSTRACT A SURVEY OF HELMINTH PARASITES OF FISHES FROM NEW
 ENGLAND COASTAL WATERS WAS CONDUCTED FROM THE FALL OF 1971 TO THE FALL OF
 1973. ECHENEIBOTHRUM BATHYPHILUM SP.N. IS DESCRIBED FROM THE DEEP-SEA SKATE,
 RAJA BATHYPHILA. ECHENEIBOTHRUM SOBRINUM SP.N., A PARASITE IN THE SPIRAL
 INTESTINE OF THE SKATES RAJA OCELLATA AND R. ERINACEA, IS DESCRIBED FROM
 VINEYARD SOUND NEAR WOODS HOLE, MASSACHUSETTS. PARAMETERS MEASURED INCLUDE:
 SPECIES DETERMINATION OF PELAGIC FISH, DEMERSAL FISH, AND PARASITES; COUNT OF
 PELAGIC FISH, DEMERSAL FISH, AND PARASITES; LENGTH OF PARASITES, MORPHOMETRIC
 MEASUREMENT OF PARASITES, AND SAMPLE OF PARASITES. THE DATA WERE COLLECTED BY
 DR. RONALD A. CAMPBELL, BIOLOGY DEPARTMENT, SOUTHEASTERN MASSACHUSETTS
 UNIVERSITY, NORTH DARTMOUTH, MASSACHUSETTS 02747, AND ARE AVAILABLE IN
 PUBLISHED FORM.

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FILE NAME U.S. FISH AND WILDLIFE SERVICE WETLAND STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY,
 DELAWARE, RHECCECH AND INDIAN RIVER
 ABSTRACT MISSION W160, FLT. 1 WITH WALLCPS STATION C54
 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA ON AUG. 22, 1972, IN COOPERATION
 WITH DEPT. OF INTERIOR, U. S. FISH AND WILDLIFE SERVICE IN REHOBOTH AND INDIAN
 RIVER, DEL. AREA. OBJECTIVE - TO USE REMOTELY SENSED FALSE-COLOR IMAGERY TO
 EVALUATE CULTURAL MODIFICATIONS OF TIDAL MARSHLANDS AND DEVELOP ENVIRONMENTAL
 IMPACT ANALYSIS OF THIS PORTION OF THE DEL. COASTAL ZONE ENVIRONMENT. FLIGHT
 IN GOOD WEATHER, NO CLOUDS, LIGHT BAZE, AIR TEMP. 18 DEG. C AT 3500 FT., MSL
 WIND OF 16 KNOTS FROM 310 DEG.

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FILE NAME L S PARK SERVICE NORTH CAROLINA, VIRGINIA, AND
 MARYLAND OUTER BANK STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, MARYLAND, NORTH CAROLINA OUTER BANKS
 ABSTRACT MISSION W120, FLT. 1, ACCOMPLISHED WITH WALLEPS
 STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON APRIL 19, 1972,
 IN COOPERATION WITH U. S. PARK SERVICE AND UNIV. OF VA. OBJECTIVE - TO UTILIZE
 FALSE COLOR IMAGERY IN ASSESSING LAND AND BIOLOGICAL MODIFICATIONS OF N. C.,
 VA. AND MARYLAND OUTER BANKS.
 NAME PALL ALFENSI
 PHONE NUMBER 804-824-3411
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 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
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 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME UNITED STATES GEOLOGICAL SURVEY STUDY OF FRESHWATER
 WETLANDS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 MARYLAND, ELKTON WETLANDS, PATUXENT RIVER
 ABSTRACT MISSION W167, FLT. 1, WITH WALLEPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON SEPT. 8, 1972, IN
 COOPERATION WITH DEPT. OF INTERIOR, U. S. GEOLOGICAL SURVEY (VIRGINIA CARTER,
 OFFICE OF REMOTE SENSING) IN ELKTON, MD. REGION. OBJECTIVE - TO ACQUIRE
 NATURAL AND FALSE-COLOR IMAGERY OF FRESH-WATER WETLANDS IN CONJUNCTION WITH
 FIELD OBSERVATIONS TO SUPPORT ERIS IMAGERY OF SAME AREA. FLIGHT IN CLEAR
 WEATHER, VISIBILITY 6-8 MILES, AIR TEMP. 10 DEG. C AT 10,000 FT., MSL WITH
 WIND OF 12 KNOTS FROM 290 DEG.
 NAME PALL ALFENSI
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 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
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FILE NAME UNITED STATES GEOLOGICAL SURVEY-PHILADELPHIA WATER
 DEPARTMENT MONTHLY COOPERATIVE STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, DELAWARE BAY, MARCUS HOOK
 PENNSYLVANIA TO LERLINGTON, NEW JERSEY
 ABSTRACT SINCE 1949 THE PHILADELPHIA WATER DEPARTMENT AND
 THE USGS HAVE CONDUCTED A MONTHLY SURVEY OF THE WATER QUALITY OF THE DELAWARE
 ESTUARY. SAMPLING IS CROSS-SECTIONAL AT EIGHT POINTS BETWEEN MARCUS HOOK, PA,
 AND LERLINGTON, NJ. AT EACH POINT, SAMPLES ARE TAKEN THREE FEET BELOW THE
 SURFACE AND THREE FEET ABOVE THE BOTTOM AT EACH SHORE, MID CHANNEL, AND MIDWAY
 BETWEEN EACH SHORE AND MID CHANNEL. THE DATA DEMONSTRATE HORIZONTAL
 STRATIFICATION OF THE ESTUARY AS WELL AS VERTICAL HOMOGENEITY. PARAMETERS
 MEASURED INCLUDE: TIME, TEMPERATURE, PH, SPECIFIC CONDUCTIVITY, DISSOLVED
 OXYGEN, BOD, CHLORIDE, AND SUSPENDED SEDIMENT
 NAME DENNIS D. BLAIR
 PHONE NUMBER 215 686 1776
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 STREET 1270 MSB 15TH AND JFK BLVD
 CITY PHILADELPHIA
 STATE PENNSYLVANIA
 ZIP CODE 19107

FILE NAME UNIVERSITY OF DELAWARE AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY,
 DELAWARE, MILLSBORO
 ABSTRACT MISSION W150, FLT. 1, WITH WALLEPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON JULY 31, 1972, IN
 COOPERATION WITH AGRICULTURE DEPT. OF UNIV. OF DEL. AT AGRICULTURAL STATION NEAR
 MILLSBORO, DEL. OBJECTIVE - TO ESTABLISH BASELINE DATA IN VISIBLE AND NEAR
 INFRARED SPECTRAL REGIONS OF TEST CROPS UNDER NATURAL CULTIVATION. FLIGHT IN
 CLEAR WEATHER WITH NOTICEABLE BROKEN CLOUDS AND SLIGHT HAZE, AIR TEMP. 22 DEG.
 C AT 1000 FT., MSL WITH WIND OF 12 KNOTS FROM 28 DEG.
 NAME PALL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
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 ZIP CODE 23337

FILE NAME UNIVERSITY OF DELAWARE AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY,
 DELAWARE, MILLSBORO
 ABSTRACT MISSION W163, FLT. 1 WITH WALLOPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 29, 1972, IN
 COOPERATION WITH AGRONOMY DEPT. OF UNIV. OF DEL. AT AGRICULTURE STATION NEAR
 MILLSBORO, DEL. OBJECTIVE - TO USE VISIBLE AND NEAR INFRARED SPECTRAL
 SIGNATURES OF TEST CROP CANOPIES TO ESTABLISH IDENTIFICATION, VIGOR, AND
 STRESS CHARACTERISTICS. FLIGHT IN GOOD WEATHER, THIN OVERCAST, EXTREMELY HAZY,
 AIR TEMP. 24 DEG. C AT 1000 FT., MSL WITH WIND OF 10 KNOTS FROM 280 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
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 ZIP CODE 23337

FILE NAME UNIVERSITY OF DELAWARE AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY,
 DELAWARE, MILLSBORO
 ABSTRACT MISSION W169, FLI. 4, WITH WALLOPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON SEPT. 11, 1972, IN
 COOPERATION WITH AGRONOMY DEPT. OF UNIV. OF DELAWARE AT AGRICULTURAL STATION
 NEAR MILLSBORO, DEL. OBJECTIVE - TO USE SPECTRAL SIGNATURES IN VISIBLE AND
 NEAR INFRARED REGIONS TO EVALUATE AND IDENTIFY CROPS UNDER CONTROLLED FIELD
 CONDITIONS. FLIGHT IN CLEAR WEATHER WITH FEW SCATTERED CLOUDS, VISIBILITY 8-10
 MILES, AIR TEMP. 15 DEG. C AT 1000 FT., MSL WITH WIND OF 8 KNOTS FROM SE.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME UNIVERSITY OF DELAWARE COASTAL ZONE STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY,
 DELAWARE, NEW CASTLE TO OCEAN CITY
 ABSTRACT MISSION W160, FLT. 2, WITH WALLOPS STATION C-54
 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA ON AUG. 22, 1972, IN COOPERATION
 WITH COLLEGE OF MARINE SCI., UNIV. OF DEL. ALONG COAST ZONES OF DEL. RIVER AND
 DEL.-MD. ATLANTIC COASTAL REGIONS. OBJECTIVE - TO USE REMOTELY SENSED
 FALSE-COLOR IMAGERY TO EVALUATE COASTAL ZONE AQUATIC SPECIES IDENTIFICATION
 AND DISTRIBUTION IN PREPARATION FOR ERTS OVERPASSES. FLIGHT IN GOOD WEATHER
 WITH NO OVERCAST, VISIBILITY 10-12 MILES, AIR TEMP. 10 DEG. C AT 11,500 FT.,
 MSL WITH WIND OF 5 KNOTS FROM 310 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
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FILE NAME UPPER APPONAGANSETT BAY STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MASSACHUSETTS, COASTAL,
 CARTMOUTH, APPONAGANSETT BAY
 ABSTRACT A SURVEY OF THE UPPER REACHES OF APPONAGANSETT BAY
 TO DETERMINE THE EFFECTS OF SILTATION FROM NEARBY CONSTRUCTION ON BAY FAUNA
 WAS CONDUCTED FOR THE TOWN OF CARTMOUTH. A SEDIMENT SIZE ANALYSIS WAS
 CONDUCTED ON SAMPLES COLLECTED FROM 14 STATIONS IN THE BAY. AFTER DRYING,
 SAMPLES WERE SORTED ON A STANDARD SET OF GEOLOGICAL SIEVES AFTER 15 MINUTES IN
 A MECHANICAL SHAKER, THE BENTHIC INVERTEBRATE FAUNA ANALYSIS WAS CONDUCTED IN
 TWO STREAMS AND THE AREA IN THE BAY AFFECTED BY SEDIMENT DEPOSITION. A NEKTON
 ANALYSIS WAS CONDUCTED AT THREE AREAS OF APPONAGANSETT BAY. PARAMETERS
 INCLUDED IN THIS STUDY ARE: SPECIES DETERMINATION OF BENTHIC ANIMAL, PELAGIC
 FISH, DEMERSAL FISH, AS WELL AS COUNTS OF EACH; MORTALITY OF BENTHIC ANIMALS;
 AND SIZE ANALYSIS.
 NAME DR. FRANCIS X. O'BRIEN
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 STREET OLD WESTPORT ROAD
 CITY NORTH CARTMOUTH
 STATE MASSACHUSETTS
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FILE NAME UPPER CONTINENTAL SLOPE DISPOSAL BASELINE STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., OFFSHORE, CONTINENTAL
 SLOPE AREA OFF NEW JERSEY
 ABSTRACT THIS FILE CONTAINS BASELINE PHYSICAL, CHEMICAL, AND
 BIOLOGICAL DATA RELATED TO A LARGER INDUSTRIAL WASTE DISPOSAL STUDY ON THE
 UPPER CONTINENTAL SHELF OFF NEW JERSEY. INCLUDED IN THIS SURVEY IS DATA ON
 DISSOLVED OXYGEN, SALINITY, CURRENT DIRECTION AND SPEED, TEMPERATURE, BENTHOS
 AND FISH COUNTS, WEIGHTS AND SIZE, BIOMASS ESTIMATES, AND FISH AND BENTHOS
 SPECIATION TAKEN ON 3 OCEANOGRAPHIC CRUISES FROM JULY 1967 UNTIL AUGUST 1970.

NAME ROBERT ERB
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 INSTITUTION OR AGENCY FRANKLIN INSTITUTE, RESEARCH LABORATORIES
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FILE NAME UPPER EAST RIVER- WESTERN LONG ISLAND SOUND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW YORK
 BIGHT, UPPER EAST RIVER, WESTERN LONG ISLAND SOUND
 ABSTRACT 21 STATIONS IN UPPER EAST RIVER AND WESTERN LONG
 ISLAND SOUND WERE SAMPLED FROM JULY 1959 TO AUGUST 1959 FOR TEMPERATURE,
 DISSOLVED OXYGEN, COLIFORMS, CHLORIDE, AND CURRENT DIRECTION.

NAME DR. ALAN I. MYTELKA
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FILE NAME UPPER EAST RIVER-WESTERN LONG ISLAND SOUND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW YORK
 BIGHT, UPPER EAST RIVER, WESTERN LONG ISLAND SOUND
 ABSTRACT 12 STATIONS IN UPPER EAST RIVER AND WESTERN LONG
 ISLAND SOUND WERE SAMPLED FROM JULY 1970 TO AUGUST 1970 FOR TEMPERATURE,
 CHLORIDE, DISSOLVED OXYGEN, COLIFORMS, PH, TURBIDITY, ORTHOPHOSPHATE, NITRATE,
 NITRITE, TOTAL ORGANIC CARBON, IRON, CHROMIUM AND CHLOROPHYLL A. MEASUREMENTS
 WERE TAKEN OVER A TIDAL CYCLE AND WERE SPREAD OUT OVER SEVERAL WEEKS.

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FILE NAME UPPER BAY SURVEY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, NEW YORK
 BIGHT, UPPER BAY
 ABSTRACT 20 STATIONS IN UPPER BAY WERE SAMPLED 20 TIMES A
 YEAR FROM JANUARY 1955 TO THE PRESENT FOR VARIOUS PHYSICAL, CHEMICAL, AND
 BIOLOGICAL PARAMETERS. ONLY THE LAST FEW YEARS DATA ARE ON STORET.

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FILE NAME VEGETATION COVER AS AN ULTIMATE FACTOR OF NEST SITE
 SELECTION IN THE WOOD THRUSH-*HYLOCICHLA MUSTELINA*
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEWARK
 ABSTRACT DATA WERE COLLECTED DURING THE 1973 TO 1974
 BREEDING SEASONS IN THE WOODLOT OF THE UNIVERSITY OF DELAWARE'S AGRICULTURAL
 STATION FARM. OBSERVATIONS ARE REPORTED ON NEST HEIGHT, DISTRIBUTION, AND
 FLECCING SUCCESS OF THE WOOD THRUSH.

NAME INTER-LIBRARY LOAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE, MORRIS LIBRARY
 STREET SOUTH COLLEGE AVENUE
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FILE NAME VEGETATION MAPPING SURVEY OF STATE OWNED WATERFOWL
 AREAS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT STATE OWNED WATERFOWL AREAS HAVE BEEN MAPPED FOR
 VEGETATIVE TYPES BY AERIAL PHOTOGRAPHY. BEFORE AND AFTER ANY MANAGEMENT
 PROJECTS THE AREAS IN QUESTION ARE AGAIN MAPPED AND THE VEGETATIVE COMMUNITY
 DESCRIBED.

NAME VERNON STETTS
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 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAXES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
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FILE NAME VEGETATION OF GULF AND ATLANTIC SEACCAST STATES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MAINE TO TEXAS
 ABSTRACT A VEGETATIVE SURVEY OF SEACCASTS OF THE GULF AND

ATLANTIC STATES IS BEING CONDUCTED. STUDY INCLUDES SPECIES DETERMINATION,
 ECCLCCY, MORPHOMETRIC MEASUREMENT, AND COMMUNITY STRUCTURE OF LAND PLANTS.
 SOIL TYPE IS ALSO OBSERVED.

NAME DR. WILBUR DUNCAN
 PHONE NUMBER 404 542 8712
 INSTITUTION OR AGENCY UNIVERSITY OF GEORGIA
 STREET DEPARTMENT OF BOTANY
 CITY ATHENS
 STATE GEORGIA
 ZIP CODE 30601

FILE NAME VEGETATION OF THE RICHARD STOCKTON STATE COLLEGE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, ATLANTIC
 COUNTY, GALLOWAY TOWNSHIP

ABSTRACT THIS FILE CONTAINS DATA ON THE TYPES AND SPECIES OF
 VEGETATIONS AND ANIMALS PRESENT ON THE GROUNDS OF STOCKTON STATE COLLEGE,
 GALLOWAY TOWNSHIP, NEW JERSEY DURING THE SPRING AND SUMMER 1970. THIS SINGLE
 SURVEY BROKE UP THE AREA INTO 8 GENERAL STATION AREAS AND DESCRIBED THE FLORA
 AND FAUNA OF EACH.

NAME JACK MC CORMICK
 PHONE NUMBER 215 647 9000
 INSTITUTION OR AGENCY JACK MC CORMICK AND ASSOCIATES, INC.
 STREET 511 OLD LANCASTER ROAD
 CITY BERYN
 STATE PENNSYLVANIA
 ZIP CODE 15312

FILE NAME VELOCITY OF SOUND THROUGH DEEP SEA CORES
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
 ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS

INSTITUTION OF OCEANOGRAPHY IS UNDERTAKEN ON THE ADVICE OF THE JOINT
 OCEANOGRAPHIC INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). TO DATE DSDP HAS
 TAKEN GEOLOGICAL AND GEOPHYSICAL DATA FROM THE DRILLING SHIP GLOMAR CHALLENGER
 AT 383 SITES OVER THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED
 AND ARCHIVED BY THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND
 RETRIEVAL METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE
 FROM THE GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS
 A SEPARATE FILE. IN THE EARLY PHASES OF THE PROJECT ACOUSTIC VELOCITY
 DETERMINATIONS WERE MADE IN CORED MATERIAL USING A DEVICE DEVELOPED BY
 WINKLER. BEGINNING WITH LEG 11 A FAMILION FRAME HAS BEEN USED. THREE
 VELOCITIES / 150 CM OF CORED MATERIAL ARE TAKEN.

NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3526
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF
 OCEANOGRAPHY
 STREET P.O. BOX 1529
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92093

FILE NAME VERTICAL DISTRIBUTION OF ESTUARINE PHYTOPLANKTON IN
 THE SURFACE MICROLAYER AND AT ONE METER, AND FLUCTUATIONS IN ABUNDANCE CAUSED
 BY SURFACE ABSORPTION OF POLYMER FILMS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, YORK RIVER

ABSTRACT A QUANTITATIVE COMPARISON OF THE PHYTOPLANKTON IN
 THE SURFACE MICROLAYER OF AN ESTUARY AND THAT AT A DEPTH OF ONE METER WAS MADE
 USING A GARRETT TYPE SCREEN AND A FRANTSCHY BOTTLE. SPECIES SUCCESSION AND
 SEASONAL ABUNDANCE WERE ALSO EXAMINED.

NAME LIBRARIAN
 PHONE NUMBER 804-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME VERTICAL MIGRATION AND PREDATORY BEHAVIOR OF THE
SAND SHRIMP, CRANGON SEPTEMSPINOSA
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., CHESAPEAKE BAY, DELAWARE BAY,
COASTAL
ABSTRACT DATA ON HYDROGRAPHIC FACTORS AND OCCURRENCE OF
CRANGON SEPTEMSPINOSA IN PATUXENT RIVER AND ASSATEAGUE ISLAND, MARYLAND;
INDIAN RIVER AND CAPE HENLOPEN, DELAWARE WATERS. PRIMARY INTENT OF STUDY WAS
EXPERIMENTAL DATA WHICH IS NOT CODED.
NAME LIBRARIAN
PHONE NUMBER 301 454 3011
INSTITUTION OR AGENCY MCKELDIN LIBRARY
STREET UNIVERSITY OF MARYLAND
CITY COLLEGE PARK
STATE MARYLAND
ZIP CODE 20742

FILE NAME VIMS HYDROGRAPHIC DATA BASE
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY AND
TRILOBARIES
ABSTRACT ALL OCEANOGRAPHIC DATA GENERATED AT VIMS AND
RECORDED ON VIMS OCEANOGRAPHY FORM 1 IS STORED IN THIS DATA BASE. UNTIL 1971
THE DATA BASE INCLUDES ONLY PHYSICAL MEASUREMENTS BUT AFTER THAT DATE
PROVISION WAS MADE FOR RECORDING CHEMICAL DATA AS WELL. THE DATA IS STORED ON
MAGNETIC DISC BUT IS RETRIEVED IN PRINTOUT FORM. EACH DATA POINT IS RECORDED
WITH DAY, MONTH, YEAR, TIME, LATITUDE, LONGITUDE, RIVER CODE, DEPTH OF SAMPLE.
DATA IS RETRIEVABLE BY STATION NUMBER, RIVER, YEAR, MONTH, DAY, PARAMETER
RANGE OF YEARS, RANGE OF MONTHS, RANGE OF DAYS, CRUISE, VESSEL, TIDAL CURRENT
STAGE, AREA DEFINED BY LAT AND LONG. THE SYSTEM HAS THE CAPACITY FOR
ADDITIONAL INPUT OF PARAMETERS AS THEY ARE GENERATED AND RECORDED ON FORM 1
NAME JOHN PLEASANTS
PHONE NUMBER 804 642 2111
INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
CITY GLOUCESTER POINT
STATE VIRGINIA
ZIP CODE 23062

FILE NAME VIMS OIL DISPERSION STUDY
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
VIRGINIA, CHESAPEAKE LIGHT TOWER
ABSTRACT MISSION W156, FLT. 1, WITH WOLLOPS STATION C-54
AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND H.R.B. SINGER AAC-2 THERMAL
MAPPER ON AUG. 15, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. NEAR
CHESAPEAKE LIGHT TOWER. OBJECTIVE - TO USE PASSIVE INFRARED, FALSE COLOR, AND
NATURAL COLOR TO INVESTIGATE SURFACE OIL FILM THICKNESS AND DISPERSION
FEATURES INFLUENCED BY WINDS AND CURRENTS. FLIGHT IN CLOUDY WEATHER WITH
SLIGHT OVERCAST AND VERY HAZY, AIR TEMP. 25 DEG. C AT 1500 FT., MSL WITH WIND
OF 15 KNOTS FROM 220 DEG.
NAME PAUL ALFENSI
PHONE NUMBER 804-824-3411
INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
CITY WOLLOPS ISLAND
STATE VIRGINIA
ZIP CODE 23337

FILE NAME VIMS OIL SPILL STUDY
GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
VIRGINIA, CHESAPEAKE LIGHT TOWER
ABSTRACT MISSION W148, FLT. 1, WITH WOLLOPS STATION C-54
AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND TEXAS INSTRUMENT RS-7
THERMAL SCANNER ON JULY 11, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE
SCI. AT A LOCATION NEAR CHESAPEAKE LIGHT TOWER. OBJECTIVE - TO USE PASSIVE
INFRARED AND FALSE COLOR IMAGERY TO STUDY DISPERSION OF A CONTROLLED OIL
RELEASE. FLIGHT IN GOOD WEATHER WITH NO OVERCAST, SLIGHT HAZE, AIR TEMP. 21
DEG C AT 1000 FT., MSL WITH LIGHT AND VARIABLE WINDS. FIVE FRAMES INADVERTANT
BETWEEN LINE/RUN 1/8 AND 1/5.
NAME PAUL ALFENSI
PHONE NUMBER 804-824-3411
INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
CITY WOLLOPS ISLAND
STATE VIRGINIA
ZIP CODE 23337

FILE NAME VIMS WIND SPEED AND DIRECTION MONITORING DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, YORK
 RIVER, WACHAPREAGUE
 ABSTRACT WIND SPEED AND DIRECTION ARE CONTINUOUSLY RECORDED
 AT FIXED STATION LOCATED AT THE VIRGINIA INSTITUTE OF MARINE SCIENCE'S
 GLOUCESTER POINT AND WACHAPREAGUE LABORATORIES. THE DATA IS SUMMARIZED AT 3
 HOUR INTERVALS
 NAME ED LAWRENCE
 PHONE NUMBER 804 642 2111 X63
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 STREET DEPARTMENT OF INSTRUMENTS AND OPERATIONS
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME VIMS-TROPICAL STORM AGNES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY
 MOUTH, VIRGINIA
 ABSTRACT MISSION W156, FLT. 1, WITH HALLOPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 3, 1972, IN COOPERATION
 WITH VA. INSTITUTE OF MARINE SCI. IN AREA OF MOUTH OF CHESAPEAKE BAY,
 OBJECTIVE - TO ACQUIRE REMOTELY SENSED IMAGERY IN BLACK AND WHITE AND
 FALSE-COLOR TO INVESTIGATE DAMAGE CAUSED BY TROPICAL STORM "AGNES". FLIGHT IN
 GOOD WEATHER WITH FEW SCATTERED CLOUDS AND VERY HAZY, AIR TEMP. 11 DEG C AT
 10,000 FT., MSL WITH WIND OF 15 KNOTS FROM 280 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY HALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIMS-WACHAPREAGUE TIDAL MARSHES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WACHAPREAGUE
 ABSTRACT MISSION W152, FLT. 1 WITH HALLOPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 8, 1972, IN COOPERATION
 WITH VA. INSTITUTE OF MARINE SCI. (VIMS). OBJECTIVE - TO USE BLACK & WHITE
 IMAGERY IN THE RED AND NEAR INFRARED SPECTRAL REGIONS TO INVESTIGATE
 BOUNDARIES OF SALT WATER TIDAL MARSHES AND FLATS. FLIGHT MADE IN FAIR WEATHER
 WITH SLIGHT HAZE, AIR TEMP. 16 DEG. C AT 5000 FT., MSL WIND OF 5 KNOTS FROM
 272 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY HALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA AND NORTH CAROLINA OUTER BANKS STORM
 DAMAGE
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, NORTH CAROLINA
 ABSTRACT MISSION W187, FLT. 1, FEB. 13, 1973, WITH HALLOPS
 STA. C-54 AIRCRAFT EQUIPPED WITH 2 T-11 AERIAL MAPPING CAMERAS AND A K-17
 MOUNTED IN A 45 DEG. ATTITUDE FOR OBLIQUE COVERAGE. THE MISSION IN COOPERATION
 WITH COASTAL RES. CTR. OF CORPS OF ENGIN. OBJECTIVE - TO OBTAIN LARGE SCALE
 VERTICAL AND OBLIQUE IMAGERY OF STORM DAMAGE INCURRED BY A WINTER STORM
 STRIKING ACROSS COAST BETWEEN NCFCLK AND NORTH/SOUTH CAROLINA BORDER. IMAGERY
 RECORDED EXTENSIVE BEACH EROSION WHICH RESULTED IN SERIOUS PROPERTY DAMAGE TO
 PIERS, HOUSES AND HOTELS. CLEAR WEATHER, GOOD VISIBILITY, AIR TEMP. 5 DEG. C
 FROM 6500 FT., MSL WIND OF 15 KNOTS FROM 250 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY HALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA BARRIER ISLAND STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA EASTERN
 SHORE
 ABSTRACT MISSION W075, FLIGHT08, WAS ACCOMPLISHED ON
 SEPTEMBER 2, 1971, UTILIZING THE WALLEPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED
 WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE UNIVERSITY OF
 VIRGINIA. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN COLOR INFRARED IMAGERY OF
 PARRAMORE ISLAND/WACHAPREAGUE, VIRGINIA AND OF THE BARRIER ISLANDS FROM
 WALLEPS ISLAND TO FARRANCKE ISLAND.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA INSTITUTE OF MARINE SCIENCES WETLAND
 STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WACHAPREAGUE, PARAMORE ISLAND
 ABSTRACT MISSION W169, FLT. 2, WITH WALLEPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON SEPT. 11, 1972, IN
 COOPERATION WITH VA. INSTITUTE OF MARINE SCI. IN THE WACHAPREAGUE AND PARAMORE
 ISLAND AREAS. OBJECTIVE - TO OBTAIN NATURAL COLOR AND FALSE COLOR IMAGERY TO
 INVESTIGATE COASTAL ZONE FEATURES OF VEGETATION, EROSION, SEDIMENT TRANSPORT,
 AND SALT WATER TIDAL FLATS. FLIGHT MADE IN CLEAR WEATHER, VISIBILITY 8-10
 MILES, AIR TEMP. 14 DEG. C AT 5000 FT., MSL WITH WIND OF 12 KNOTS FROM S.E.

NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA CUTTER BANK WAVE STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W268, FLIGHT C1, WAS ACCOMPLISHED ON
 NOVEMBER 9, 1974 UTILIZING THE WALLEPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO
 T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH NASA'S LANGLEY RESEARCH
 CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY WAVE PATTERNS ALONG THE
 VIRGINIA CUTTER BANKS ISLANDS FROM TOM'S CAVE TO LITTLE MACHIPONGO INLET.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTAL RESEARCH STATION
 AGRICULTURAL STUDY I
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, PAINTER
 ABSTRACT MISSION W002, FLIGHT 01, WAS ACCOMPLISHED ON JULY
 17, 1969, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH 4,
 T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE AGRONOMY DEPARTMENT OF THE
 VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY. THE OBJECTIVE OF THE
 FLIGHT WAS TO OBTAIN AERIAL PHOTOGRAPHY OF THE PAINTER, VIRGINIA AGRICULTURAL
 RESEARCH STATION FOR USE IN EVALUATING FILM AND FILTER COMBINATIONS IN
 STUDYING VEGETATIVE PLANT VIGOR BY REMOTE SENSING.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NASA
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTAL RESEARCH STATION
 AGRICULTURAL STUDY II
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, PAINTER
 ABSTRACT MISSION W005, FLIGHT C1, WAS ACCOMPLISHED ON
 FEBRUARY 19, 1970, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER
 EQUIPPED WITH 4, T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE AGRONOMY
 DEPARTMENT OF THE VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY. THE
 OBJECT OF THE FLIGHT WAS TO OBTAIN BLACK, WHITE, COLOR AND FALSE COLOR
 INFRARED IMAGERY FOR USE IN DETERMINING THE BEST TYPE OF IMAGERY FOR USE IN
 MAKING REMOTE SENSING STUDIES OF PAINTER, VIRGINIA AGRICULTURAL RESEARCH
 STATION.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NASA
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTALS RESEARCH STATION
 AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W130, FLT. 1, WITH UNIV. OF MICHIGAN DC-3
 AIRCRAFT EQUIPPED WITH K-17 AND P-2 CAMERAS AND AN M-U MULTI-SPECTRAL SCANNER
 ON MAY 15, 1972, IN COOPERATION WITH NASA, WOLLOPS ISLAND AND THE AGRONOMY
 DEPT OF THE VA. POLYTECHNIC INSTITUTE AND STATE UNIV. FLIGHT TOOK PLACE OVER
 THE VA. TRUCK AND ORNAMENTALS RES. STA. AT PAINTER, VA. OBJECTIVE - TO EXPLORE
 USE OF MULTI-SPECTRAL IMAGERY AND AUTOMATIC DATA PROCESSING IN DETERMINING
 DISCRETE PLANT SIGNATURES.

NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTALS RESEARCH STATION
 AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W130, FLT. 2, WITH UNIV. OF MICHIGAN DC-3
 AIRCRAFT EQUIPPED WITH M-7 MULTI-SPECTRAL SCANNER AND ONE HASSELBLAD CAMERA ON
 MAY 15, 1972, IN COOPERATION WITH NASA, WOLLOPS STATION AND THE AGRONOMY DEPT.
 OF VA. POLYTECHNIC INSTITUTE AND STATE UNIV. FLIGHT TOOK PLACE AFTER SUNSET
 OVER THE VA. TRUCK AND ORNAMENTALS RES. STA. AT PAINTER, VA. OBJECTIVE - TO
 EXPLORE THE USE OF MULTI-SPECTRAL IMAGERY AND AUTOMATIC DATA PROCESSING IN
 DETERMINING DISCRETE PLANT SIGNATURES.

NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTALS RESEARCH
 AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W132, FLT. 1 WITH WOLLOPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON JUNE 1, 1972, IN COOPERATION
 WITH AGRONOMY DEPT. OF VA. POLYTECHNIC INSTITUTE AND STATE UNIV. AT THE VA.
 TRUCK AND ORNAMENTALS RESEARCH STA., PAINTER, VA. OBJECTIVE - TO UTILIZE
 VISUAL AND NEAR INFRARED SPECTRAL SIGNATURES IN INVESTIGATING IRISH POTATO
 PLANT GROWTH, SOIL VARIATIONS, AND CULTIVATION TECHNIQUES. FLIGHT IN GOOD
 WEATHER, NO OVERCAST, SLIGHT HAZE, AIR TEMP. 20 DEG. C AT 1000 FT., MSL WITH
 WIND OF 12 KNOTS FROM 280 DEG.

NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTS RESEARCH STATION
 AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W136, FLT. 1 WITH WALLEPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON JUNE 12, 1972, IN
 COOPERATION WITH THE AGRICULTURE DEPT. OF VA. POLYTECHNIC INSTITUTE AND STATE
 UNIV. AT THE VA. TRUCK AND ORNAMENTS RES. STATION, PAINTER, VA. OBJECTIVE -
 A CONTINUATION OF MISSION W132 IN STUDYING IRISH POTATO PLANT CANOPY AND OTHER
 CROPS IN THE NEAR INFRARED AND VISIBLE SPECTRAL REGIONS. FLIGHT IN CLEAR
 WEATHER, MODERATE HAZE, AIR TEMP. 20 DEG. C AT 1000 FT., MSL WITH WIND OF 10
 KNOTS FROM 155 DEG.
 NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTS RESEARCH STATION
 AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W142, FLT. 1 WITH WALLEPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON JUNE 26, 1972, IN
 COOPERATION WITH THE AGRICULTURE DEPT. OF VA. POLYTECHNIC INSTITUTE AND STATE
 UNIV. AT THE VA. TRUCK AND ORNAMENTS RES. STATION, PAINTER, VA. OBJECTIVE -
 A CONTINUATION OF MISSIONS W132 AND W136 FOR INVESTIGATION OF IRISH POTATO AND
 OTHER CROP GROWTH RELATING TO SOIL, DISEASE, AND CULTIVATION VARIATIONS.
 NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTS RESEARCH STATION
 AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W147, FLT. 1 WITH WALLEPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON JULY 10, 1972, IN
 COOPERATION WITH THE AGRICULTURE DEPT. OF VA. POLYTECHNIC INSTITUTE AND STATE UNIV.
 AT VA. TRUCK AND ORNAMENTS RES. STA., PAINTER, VA. OBJECTIVE - TO DEVELOP
 AND EVALUATE MULTI-SPECTRAL SENSING TECHNIQUES FOR THE DETECTION OF PLANT
 SPECIES AND ASSOCIATED DISEASES, SOIL VARIATIONS AND CULTURAL PRACTICES UNDER
 NATURAL ENVIRONMENTAL CONDITIONS. FLIGHT IN FAIR WEATHER, SLIGHT ACCUMULATION
 OF CLOUDS AFTER REACHING 2500 FT., SLIGHT HAZE VISIBLE, AIR TEMP. 23 DEG. C AT
 1000 FT., MSL WITH WIND OF 10 KNOTS FROM 160 DEG. C.
 NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTS RESEARCH STATION
 AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, BOSTON TO PAINTER
 ABSTRACT MISSION W223, FLT. 1, JULY 27, 1973, WITH WALLEPS
 STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN
 COOPERATION WITH THE AGRICULTURE DEPT. OF THE VA. POLYTECHNIC INSTITUTE AND STATE
 UNIV. OBJECTIVE - TO OBTAIN COLOR AND FALSE COLOR INFRARED IMAGERY OF
 PLANTINGS AT VA. TRUCK AND ORNAMENTS RES. STA. AT PAINTER, VA. ONE OF A
 SERIES OF FLIGHTS TO RECORD GROWTH OF STRESSED, FERTILIZED AND UNFERTILIZED
 PLANTS THROUGHOUT A FULL GROWTH CYCLE.
 NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTS RESEARCH STATION
 AGRICULTURAL STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W118, FLT. 1, APRIL 5, 1972, WITH WALLOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS IN COOPERATION
 WITH AGRONOMY DEPT. OF VA. POLYTECHNIC INSTITUTE AND STATE UNIV. AT THE VA.
 TRUCK AND ORNAMENTS RES. STA., PAINTER, VA. OBJECTIVE - TO USE FALSE COLOR
 INFRARED IMAGERY WITH TWO SEPARATE FILTER COMBINATIONS TO INVESTIGATE COVER
 CROPS AND CULTIVATION TECHNIQUES OF CONTROLLED AREAS. FLIGHT MADE IN CLEAR
 WEATHER, VISIBILITY 8-10 MILES, AIR TEMP. 12 DEG. C AT 1000 FT., MSL WITH WIND
 OF 12-15 KNOTS FROM 180 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTS RESEARCH STATION
 AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W123, FLT. 1, APRIL 23, 1972, WITH WALLEPS
 STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS IN COOPERATION
 WITH AGRONOMY DEPT. OF VA. POLYTECHNIC INSTITUTE AND STATE UNIV. AT THE VA.
 TRUCK AND ORNAMENTS RES. STA., PAINTER, VA. OBJECTIVE - TO UTILIZE NATURAL
 AND FALSE-COLOR REMOTE SENSING IMAGERY TO INVESTIGATE PRE-EMERGENCE,
 CULTIVATING TECHNIQUES, AND SOIL VARIATIONS OF CROPS. FLIGHT MADE IN CLEAR
 WEATHER, SOME HAZE, VISIBILITY 4-5 MILES, AIR TEMP. 18 DEG. C AT 1000 FT., MSL
 WITH WIND OF 6 KNOTS FROM 295 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTS RESEARCH STATION
 AGRICULTURAL STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, VIRGINIA, PAINTER
 ABSTRACT MISSION W176, FLIGHT 1, OCTOBER 26, 1972, WITH
 WALLEPS STATION C-54 AIRCRAFT EQUIPPED WITH 2 T-11 AERIAL CAMERAS IN
 COOPERATION WITH AGRONOMY DEPT. OF THE VA. POLYTECHNIC INSTITUTE AND STATE
 UNIV. AT PAINTER TRUCK AND ORNAMENTS STA., PAINTER, VA. MISSION A
 CONTINUATION OF LIGHTS MADE THROUGHOUT GROWING SEASON OF 1972 FOR
 INVESTIGATIONS OF CROP GROWTH RELATING TO SOIL, DISEASE, AND CULTIVATION
 VARIATIONS. RYE COVER CROPS WERE OF PRIMARY INTEREST FOR THIS FLIGHT. WEATHER
 - CLEAR WITH SLIGHT HAZE, AIR TEMP. 10 DEG. C AT 5000 FT., MSL WITH WIND OF 5
 KNOTS FROM 045 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTS RESEARCH STATION
 AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W161, FLT. 1, WITH WALLEPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 21, 1972, IN
 COOPERATION WITH AGRONOMY DEPT. OF VA. POLYTECHNIC INSTITUTE AND STATE UNIV.
 AT THE VA. TRUCK AND ORNAMENTS RES. STATION, PAINTER, VA. OBJECTIVE - TO
 PROVIDE VISIBLE AND NEAR INFRARED SPECTRAL SIGNATURES OF VARIOUS FALL CROPS
 UNDER NATURAL ENVIRONMENTAL CONDITIONS. FLIGHT IN GOOD WEATHER, NO OVERCAST,
 MODERATE HAZE, AIR TEMP. 21 DEG. C AT 1000 FT., MSL WITH WIND OF 3 KNOTS FROM
 270 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTALS RESEARCH STATION
 AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, PAINTER
 ABSTRACT MISSION W169, FLT. 1, WITH WALLEPS STATION C-54
 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON SEPT. 11, 1972, IN
 COOPERATION WITH AGRONOMY DEPT. OF VA. POLYTECHNIC INSTITUTE AND STATE UNIV.
 AT THE VA. TRUCK AND ORNAMENTALS RES. STATION, PAINTER, VA. OBJECTIVE - TO
 STUDY MATURING CROF CANOPIES IN VISIBLE AND INFRARED SPECTRAL REGIONS. FLIGHT
 IN CLEAR WEATHER, VISIBILITY 8-10 MILES, AIR TEMP. 15 C AT 1000 FT., MSL WITH
 WIND OF 8 KNOTS FROM S.E.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-2111
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTALS RESEARCH STATION
 AGRICULTURAL STUDY III
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, PAINTER
 ABSTRACT MISSION W006, FLIGHT C1, WAS ACCOMPLISHED ON MARCH
 16, 1970, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH 4,
 T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE AGRONOMY DEPARTMENT OF THE
 VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY. THE OBJECTIVE OF THE
 FLIGHT WAS TO OBTAIN EARLY SPRING IMAGERY OF THE PAINTER, VIRGINIA
 AGRICULTURAL RESEARCH STATION SHOWING THE EARLY GROWING CROPS.
 NAME MICHAEL CENGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NASA
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTALS RESEARCH STATION
 AGRICULTURAL STUDY IV
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, PAINTER
 ABSTRACT MISSION W003, FLIGHT 01, WAS ACCOMPLISHED ON AUGUST
 12, 1969, UTILIZING THE WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE AGRONOMY DEPARTMENT
 OF THE VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY. THE OBJECT OF THE
 FLIGHT WAS TO IMAGE SUMMER VEGETATIVE GROWTH OF THE PLANTINGS AT THE PAINTER
 VIRGINIA AGRICULTURAL RESEARCH STATION WITH AERIAL PHOTOGRAPHY. THE
 PHOTOGRAPHY WILL BE ANALYZED TO DETERMINE THE BEST FILM AND FILTER
 COMBINATIONS TO BE USED IN STUDYING PLANT GROWTH.
 NAME MICHAEL CENGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NASA
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTALS RESEARCH STATION
 AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, PAINTER
 ABSTRACT MISSION W005, FLT C1 USED C-54 AIRCRAFT EQUIPPED
 WITH TWO T-11 AERIAL MAPPING CAMERAS. OBJECTIVE WAS TO OBTAIN COLOR AND FALSE
 COLOR INFRARED IMAGERY OF FALL PLANTINGS AT PAINTER, VA. IMAGERY WAS TO BE
 USED IN CONJUNCTION WITH GROUND TRUTH DATA IN DETERMINING FEASIBILITY OF USING
 REMOTE SENSING FOR CORRELATING AND DOCUMENTING PLANT GROWTH CYCLES. ACTUAL
 FLIGHT LINES ARE MAPPED.
 NAME MICHAEL CENGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA TRUCK AND ORNAMENTALS RESEARCH STATION
 AGRICULTURAL STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA
 ABSTRACT MISSION W022, FLIGHT 01, WAS ACCOMPLISHED ON AUGUST 26, 1970, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE AGRICULTURE DEPARTMENT OF THE VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY THE LATE AUGUST PLANTINGS AT THE PAINTER AGRICULTURAL STATION USING BLACK AND WHITE, COLOR AND FALSE COLOR INFRARED.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM.
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VIRGINIA WETLAND STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., VIRGINIA
 ABSTRACT MISSION W106, FLIGHT 02, WAS ACCOMPLISHED ON FEBRUARY 1, 1972, UTILIZING A WALLEPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL COLOR INFRARED PHOTOGRAPHY OF MARSHES AND WETLANDS DURING THE DORMANT WINTER PERIOD FOR COMPARISON WITH IMAGERY TAKEN DURING THE ACTIVE SEASON.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM.
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME VISUAL DESCRIPTION OF DEEP SEA CORES
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
 ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS INSTITUTION OF OCEANOGRAPHY IS UNDERTAKEN ON THE ADVICE OF THE JOINT OCEANOGRAPHIC INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). TO DATE DSDP HAS TAKEN GEOLOGICAL AND GEOPHYSICAL DATA FROM THE DRILLING SHIP GLOMAR CHALLENGER AT 383 SITES OVER THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED AND ARCHIVED BY THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND RETRIEVAL METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE FROM THE GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS A SEPARATE FILE. THE VISUAL CORE DESCRIPTIONS CONTAIN NOTES ON CORE LITHOLOGY, COLOR, STRUCTURES, DEFORMITIES, MINERALS AND UNUSUAL OCCURRENCES. MOST OF THIS INFORMATION IS ALSO CONTAINED IN THE INITIAL REPORTS OF THE DSDP. THIS FILE IS IN THE PROCESS OF BEING DIGITIZED FOR COMPUTER RETRIEVAL.

NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3526
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF OCEANOGRAPHY
 STREET P.O. BOX 1525
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92093

FILE NAME WACHAPREAGUE INLET COASTAL ZONE STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE
 ABSTRACT MISSION W112, FLT. 1 MARCH 10, 1972, WITH WALLEPS STATION C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND ONE "FOUR CHANNEL" MULTISPECTRAL I2S CAMERA IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. IN WACHAPREAGUE INLET, VA. REGION. OBJECTIVE - TO TEST FLIGHT THE I2S CAMERA AND EVALUATE RESULTS OF BOTH COLOR AND MULTI-CHANNEL BLACK AND WHITE IMAGERY FOR APPLICATION TO COASTAL ZONE INVESTIGATIONS.

NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM.
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WACHAPREAGUE INLET COASTAL STUDY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WACHAPREAGUE
 ABSTRACT MISSION W226, FLI. 1, JUNE 28, 1973, WITH WOLLOPS
 STATION C-54 AIRCRAFT WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH
 VA. INSTITUTE OF MARINE SCI. OBJECTIVE - TO IMAGE THE WATER LEVEL OVER AN AREA
 OF TIDAL FLATS IN WACHAPREAGUE INLET AREA AT 30 MINUTE INTERVALS ON BLACK AND
 WHITE INFRARED FILM. WATER LEVEL OUTLINES OF FLIGHTS SHOULD GIVE SERIES OF
 COASTLINES FOR MARSH AREA AS TIDE RISES AND FALLS. FLIGHT MADE IN HAZY WEATHER
 WITH BROKEN CLOUDS. VISIBILITY FROM 5-7 MILES, AIR TEMP. 10 DEG. C AT 9500
 FT., NSL WITH WIND OF 19 KNOTS FROM 220 DEG.
 NAME PALL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WACHAPREAGUE INLET STUDY I
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA,
 WACHAPREAGUE INLET
 ABSTRACT MISSION W001, FLIGHT 01, WAS ACCOMPLISHED ON JULY
 2, 1969, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH 4
 T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN BASE LINE IMAGERY OF
 THE WACHAPREAGUE INLET AND ASSOCIATED WETLANDS FOR USE IN STUDYING WETLAND
 MARSHES AND TIDAL DRAINAGE.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NASA
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WACHAPREAGUE INLET STUDY II
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA,
 WACHAPREAGUE INLET
 ABSTRACT MISSION W006, FLIGHT 01, WAS ACCOMPLISHED ON
 FEBRUARY 20, 1970, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER
 EQUIPPED WITH 4 T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA
 INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THIS FLIGHT WAS TO OBTAIN AERIAL
 PHOTOGRAPHY OF THE WACHAPREAGUE INLET, MILLSTONE CREEK, AND WACHAPREAGUE
 CHANNEL.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NASA
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WACHAPREAGUE INLET STUDY III
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA,
 WACHAPREAGUE INLET
 ABSTRACT MISSION W007, FLIGHT 01, WAS ACCOMPLISHED ON
 FEBRUARY 21, 1970, UTILIZING A WOLLOPS FLIGHT CENTER LEASED HELICOPTER
 EQUIPPED WITH 4 T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA
 INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN WETLAND
 AND MARSH IMAGERY OF THE WACHAPREAGUE INLET FOR USE IN TIDAL AND MARINE
 VEGETATION STUDIES.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NASA
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WACHAPREAGUE INLET THERMAL VARIATIONS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, METCKIN ISLAND, QUINCY INLET, WACHAPREAGUE INLET, CRANEY ISLAND,
 HOG ISLAND
 ABSTRACT MISSION W127, FLT. 1, JUNE 9, 1972, WITH WALLOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL CAMERA AND AN AAD-2 IR
 SCANNER, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. OBJECTIVE - TO
 OBTAIN EXACT POSITIONAL DATA OF PORTABLE RADAR UNIT LOCATED ON CRANEY ISLAND
 AND TO RECORD TIDAL WATER TEMP. VARIATIONS ALONG SHORES OF PARRAMORE AND CEDAR
 ISLANDS AND WITHIN WACHAPREAGUE INLET. FLIGHT MADE IN CLEAR WEATHER, SOME
 HAZE, AIR TEMP. 16 DEG. C AT 3000 FT., MSL WITH WIND OF 15 KNOTS FROM 230 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WACHAPREAGUE INLET TIDAL DYNAMICS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WACHAPREAGUE
 ABSTRACT MISSION W198, FLIGHT 1, APRIL 6, 1973, UTILIZING
 THE WALLEPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA
 AND A THERMAL IR SCANNER IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE
 SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO DETERMINE THE SURFACE WATERFLOW
 PATTERNS AT WACHAPREAGUE INLET DURING THE EBB TIDE CYCLE. DRAGUE BOOYS WERE
 EMPLOYED AS LAGRANGIAN MARKERS TO CHART THE TIDAL FLOW. CLEAR WEATHER,
 VISIBILITY FROM 10-12 MILES. AIR TEMPERATURE WAS 10 DEG. C AT 4000 FT. MSL,
 WIND OF 20 KNOTS FROM 285 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WACHAPREAGUE INLET TIDAL DYNAMICS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WACHAPREAGUE
 ABSTRACT MISSION W198, FL. 3, APRIL 6, 1973, UTILIZING THE
 WALLEPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND
 THERMAL IR SCANNER IN COOPERATION WITH THE VA. INST. OF MARINE SCI. OBJECTIVE
 - CONTINUATION OF THE WATERFLOW PATTERN STUDY BEGUN WITH MISSION 198, FL. 1,
 APRIL 6, 1973. CLEAR WEATHER, VISIBILITY 10-12 MILES, AIR TEMP. 10 DEG. C AT
 4,000 FT. MSL WIND OF 20 KNOTS FROM 285 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WACHAPREAGUE INLET TIDAL STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WACHAPREAGUE
 ABSTRACT MISSION W144, FLT. 2, JUNE 30, 1972, WITH WALLOPS
 STATION C-54 EQUIPPED WITH AAD-2 IR SCANNER IN COOPERATION WITH THE VA.
 INSTITUTE OF MARINE SCI. OBJECTIVE - TO OBSERVE TIDAL ACTION WITHIN
 WACHAPREAGUE INLET BY IMAGING TEMP. DIFFERENCES BETWEEN THE WATERS OF THE
 ATLANTIC OCEAN ON EASTERN END AND THOSE OF THE SHALLOW TIDAL FLATS TO THE WEST
 OF THE INLET.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WACHAPREAGLE MARSH INVESTIGATIONS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 VIRGINIA, WACHAPREAGLE
 ABSTRACT MISSION 181, FLT. 1, WITH WOLLOPS STA. C-54
 AIRCRAFT EQUIPPED WITH I2S AND T-11 CAMERA ON NOV. 20, 1972, IN COOPERATION
 WITH VA. INST. OF MARINE SCI. AT WACHAPREAGLE MARSHES. OBJECTIVE - OBTAIN
 PHOTOGRAPHIC IMAGERY SUITABLE FOR MAPPING MARSH VEGETATION ENCLOSED BY
 WACHAPREAGUE CHANNEL AND BURTON'S BAY. I2S IMAGERY WAS OBTAINED FOR MARSH
 VEGETATIVE STUDIES. CLEAR WEATHER, VISIBILITY FROM 12-15 MILES, AIR TEMP. -2
 DEG. C AT 5,000 FT., MSL WIND OF 20 KNOTS FROM 330 DEG.
 NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WACHAPREAGLE PRECIPITATION MONITORING DATA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, EASTERN
 SHORE
 ABSTRACT THE AMOUNT OF PRECIPITATION IS CONTINUOUSLY
 RECORDED AT A FIXED STATION LOCATED AT THE WACHAPREAGLE LABORATORY OF THE
 VIRGINIA INSTITUTE OF MARINE SCIENCE IN WACHAPREAGLE VIRGINIA. THE DATA IS
 STORED ON STRIP CHARTS AT GLOUCESTER POINT, VIRGINIA.
 NAME ED LAWRENCE
 PHONE NUMBER 804 642 2111 X63
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 STREET DEPARTMENT OF INSTRUMENTS AND OPERATIONS
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME WACHAPREAGUE SALT WATER MARSH STUDY-VIRGINIA
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA,
 WACHAPREAGLE
 ABSTRACT MISSION W275, FLIGHT C1, WAS ACCOMPLISHED ON JUNE
 15, 1974, UTILIZING THE WOLLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A
 T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN FALSE COLOR INFRARED
 IMAGERY OF THE WACHAPREAGUE INLET SALT WATER MARSHES FOR USE IN STUDYING
 SPECIES SIGNATURES.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WACHAPREAGUE TIDAL MARSH STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 VIRGINIA, WACHAPREAGLE
 ABSTRACT MISSION W232, FLT. 1, JULY 24, 1973, WITH WOLLOPS
 STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS, IN
 COOPERATION WITH VA. INSTITUTE OF MARINE SCIENCE. OBJECTIVE - TO PRODUCE A
 FILM RECORD OF THE AERIAL EXTENT AND FLANT VIGOR OF MARSH GRASSES IN THE
 FLOODS CUT AREA OF WACHAPREAGUE TIDAL MARSHES. FLIGHT IN SLIGHTLY CLOUDY
 WEATHER, VISIBILITY UP TO 5 MILES, AIR TEMP. WAS 12 DEG. C AT 5000 FT., MSL
 WITH WIND OF 10 KNOTS FROM 045 DEG.
 NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WOLLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WACHAPREAGLE WEATHER OBSERVATIONS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, EASTERN
 SHORE
 ABSTRACT DAILY OBSERVATIONS OF WEATHER CONDITIONS ARE MADE
 AT 1200 HOURS AT THE WACHAPREAGUE LABORATORY OF THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE LOCATED IN WACHAPREAGUE VIRGINIA. THE OBSERVATIONS ARE RECORDED
 ON DATA SHEETS AND STORED AT THE GLOUCESTER POINT LABORATORY.
 NAME ED LAWRENCE
 PHONE NUMBER 804 642 2111 X63
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 STREET DEPARTMENT OF INSTRUMENTS AND OPERATIONS
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME WACHAPREAGUE WETLAND STUDIES
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA,
 WACHAPREAGUE
 ABSTRACT MISSION WC78, FLIGHT02, WAS ACCOMPLISHED ON AUGUST
 4, 1971, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF
 MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO DETERMINE THE BEST
 FILM/FILTER COMBINATION FOR USE IN IMAGING WETLAND VEGETATION.
 NAME MICHAEL CENGER
 PHONE NUMBER 804 624 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WADING RIVER AND WESTERN MARSH, BIOLOGICAL AND
 CHEMICAL ANALYSIS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., COASTAL, NEW YORK, N.Y.
 BIGHT, LONG ISLAND SOUND, WADING RIVER, WESTERN MARSH
 ABSTRACT THE STUDY INVOLVES A BIOLOGICAL AND CHEMICAL
 ANALYSIS OF WATERS FROM WADING RIVER AND WESTERN MARSH LOCATED ON THE NORTH-
 SHORE OF LONG ISLAND. THE STUDY AREA WAS SAMPLED FOUR TIMES FROM OCTOBER 1973
 TO AUGUST 1974 AT SEVEN STATIONS, (FOUR STATIONS IN WADING RIVER AND 3
 STATIONS IN WESTERN MARSH). SPECIES DETERMINATIONS AND COUNTS OF
 PHYTOPLANKTON, ZOOPLANKTON AND ICTHYOPLANKTON WERE UNDERTAKEN AS WELL AS
 SPECIES DIVERSITY. WATER QUALITY ANALYSES CONSISTED OF PH, SALINITY,
 TEMPERATURE AND DISSOLVED OXYGEN.
 NAME DR. ROBERT J. VALENTI
 PHONE NUMBER 516 668 5800
 INSTITUTION OR AGENCY NEW YORK OCEAN SCIENCE LABORATORY
 STREET DEWEER EE
 CITY MONTAUK
 STATE NEW YORK
 ZIP CODE 11954

FILE NAME WALLEPS FLIGHT CENTER PINE BARK BEETLE TEST SITE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WALLEPS
 ISLAND
 ABSTRACT MISSION WC56, FLIGHT02, WAS ACCOMPLISHED ON APRIL
 30, 1971, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER IN COOPERATION
 WITH THE INSECT AND DISEASE INVESTIGATIONS BRANCH OF THE VIRGINIA DEPARTMENT
 OF CONSERVATION AND ECONOMIC DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO
 STUDY THE EFFECTS OF TREATING SELECTED TREES WITH A LIQUID ATTRACTOR
 (FRONTALURE) ON THE CONTAINMENT OF THE PINE BARK BEETLE.
 NAME MICHAEL CENGER
 PHONE NUMBER 804 624 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WALLCPS FLIGHT CENTER PINE BARK BEETLE TEST SITE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WALLEPS ISLAND
 ABSTRACT MISSION W055, FLIGHT02, WAS ACCOMPLISHED ON MAY 17, 1971, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE INSECT AND DISEASE INVESTIGATIONS BRANCH OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN FALSE COLOR INFRARED PHOTOGRAPHY OF A PINE BARK BEETLE TEST SITE LOCATED AT NASA'S WALLEPS ISLAND INSTALLATION.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WALLCPS FLIGHT CENTER PINE BARK BEETLE TEST SITE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WALLEPS ISLAND

ABSTRACT MISSION W065, FLIGHT 03, WAS ACCOMPLISHED ON JUNE 1, 1971, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE INSECT AND DISEASE INVESTIGATIONS BRANCH OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO MONITOR AN AREA OF PINE TREES ON WALLEPS FLIGHT CENTER THAT ARE BEING USED AS A TEST AREA FOR CONTROLLING THE SPREAD OF THE PINE BARK BEETLE.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WALLEPS FLIGHT CENTER PINE BARK BEETLE TEST SITE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WALLEPS ISLAND
 ABSTRACT MISSION W062, FLIGHT 01, WAS ACCOMPLISHED ON MAY 26, 1971 UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE INSECT AND DISEASE INVESTIGATIONS BRANCH OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN FALSE COLOR INFRARED PHOTOGRAPHY OF A PINE BARK BEETLE TEST SITE LOCATED AT THE WALLEPS FLIGHT CENTER, WALLEPS ISLAND, VIRGINIA INSTALLATION

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WALLEPS FLIGHT CENTER PINE BARK BEETLE INVESTIGATION
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WALLEPS ISLAND

ABSTRACT MISSION W085, FLIGHT02, WAS ACCOMPLISHED ON OCTOBER 7, 1971, UTILIZING A WALLEPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE DELMARVA PINE BARK BEETLE COUNCIL AND THE DIVISION OF FORESTRY OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT. THE OBJECT OF THE FLIGHT WAS TO TAKE COLOR PHOTOGRAPHY OF AN AREA INFESTED WITH PINE BARK BEETLES.

NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLEPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WALLOPS FLIGHT CENTER PINE BARK BEETLE TEST SITE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WALLOPS
 ISLAND
 ABSTRACT MISSION W072, FLIGHT02, WAS ACCOMPLISHED ON JULY
 12, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA DEPARTMENT
 OF CONSERVATION AND ECONOMIC DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO
 DOCUMENT THE SPREAD OR CONTAINMENT OF THE PINE BARK BEETLE IN A TEST AREA
 LOCATED AT THE WALLOPS FLIGHT CENTER.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WALLOPS FLIGHT CENTER PINE BARK BEETLE TEST SITE
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WALLOPS
 ISLAND
 ABSTRACT MISSION W079, FLIGHT03, WAS ACCOMPLISHED ON AUGUST
 22, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE INSECT AND DISEASE
 INFESTATION BRANCH OF THE VIRGINIA DEPARTMENT OF CONSERVATION AND ECONOMIC
 DEVELOPMENT. THE OBJECTIVE OF THE FLIGHT WAS TO MONITOR THE PROGRESS OF
 EXPERIMENTAL WORK ON PINE BARK BEETLE CONTROL.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WALLOPS ISLAND LITTORAL REGIME BASE LINE STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY,
 VIRGINIA WALLOPS ISLAND
 ABSTRACT MISSION W025, FLT. 4, OCTOBER 19, 1970, WITH
 WALLOPS STATION CHARTERED BELL 205 HELICOPTER EQUIPPED WITH A FOD OF 4 T-11
 AERIAL MAPPING CAMERAS. OBJECTIVE - TO OBTAIN BASE LINE REMOTE SENSOR DATA FOR
 THE CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE OF THE STATUS OF THE LITTORAL
 REGIME OF WALLOPS ISLAND. FLIGHT IN CLEAR WEATHER, MODERATE HAZE, AIR TEMP. -4
 DEG. C AT 10,000 FT., MSL WITH WIND OF 20 KNOTS FROM 280 DEG.
 NAME PAUL ALFONSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WALLOPS ISLAND, VIRGINIA BASE LINE DATA FLIGHT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., VIRGINIA, WALLOPS ISLAND
 ABSTRACT MISSION W047, FLIGHT1, WAS ACCOMPLISHED ON MARCH
 11, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH
 TWO T-11 AERIAL MAPPING CAMERAS. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN
 BASE LINE DATA OF THE WALLOPS ISLAND BEACH FOR USE IN FUTURE BEACH EROSION
 STUDIES.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WALLOPS STATION TERMINAL CONFIGURATION NOISE STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WALLOPS
 ISLAND
 ABSTRACT MISSION W270, FLIGHT 01, WAS ACCOMPLISHED ON MAY
 13, 1974, UTILIZING A WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO
 T-11 AERIAL MAPPING CAMERAS. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN
 PHOTOGRAPH COVERAGE OF WALLOPS STATION AND THE SURROUNDING AREA FOR USE IN A
 TERMINAL CONFIGURATION NOISE STUDY BEING CONDUCTED BY NASA AT THE WALLOPS
 FLIGHT CENTER
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WASTE MANAGEMENT REPORT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 EASTERN LONG ISLAND
 ABSTRACT 25 STATIONS LOCATED AT DUCK FARMS ON EASTERN LONG
 ISLAND WERE SAMPLED FROM DECEMBER 1969 TO THE PRESENT FOR BIOCHEMICAL OXYGEN
 DEMAND, PARTICULATE MATTER, PH, COUNT AND SPECIES DETERMINATION OF MICROBIOTA.
 NAME KENNETH JOHANSON
 PHONE NUMBER 516 325 0600
 INSTITUTION OR AGENCY CORNELL UNIVERSITY DUCK RESEARCH LABORATORY
 STREET C/O COUNTRY ROAD
 CITY EASTPORT
 STATE NEW YORK
 ZIP CODE 11941

FILE NAME WATER CONTENT OF DEEP SEA SEDIMENTS
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
 ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS
 INSTITUTION OF OCEANOGRAPHY IS UNDERTAKEN ON THE ADVICE OF THE JOINT
 OCEANOGRAPHIC INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). TO DATE DSDP HAS
 TAKEN GEOLOGICAL AND GEOPHYSICAL DATA FROM THE DRILLING SHIP GLOMAR CHALLENGER
 AT 383 SITES OVER THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED
 AND ARCHIVED BY THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND
 RETRIEVAL METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE
 FROM THE GRCP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS
 A SEPARATE FILE. ONE TO THREE SAMPLES PER CORED SECTION WERE WEIGHED AND DRIED
 TO OBTAIN MEASURES OF DENSITY, POROSITY AND WATER CONTENT OF THE SEDIMENT.
 NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3526
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF
 OCEANOGRAPHY
 STREET P.O. BOX 1529
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92093

FILE NAME WATER MASSES, TEMPERATURE AND SALINITY PROFILES,
 ATLANTIC GENERATING SITE, TECHNICAL REPORT AC. 5
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT DATA OF TEMPERATURE AND SALINITY PROFILES TAKEN
 FROM APRIL THROUGH DECEMBER 1972 AT A NUMBER OF SITES OFF THE MOUTH OF GREAT
 BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION
 ARE PRESENTED IN REPORT FORM.
 NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME WATER POLLUTION STUDIES ON THE POTOMAC, SEVERN, AND
 SOUTH RIVERS
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY,
 MARYLAND POTOMAC RIVER, SOUTH RIVER, CAMBRIDGE-SECRETARY,
 PITTSVILLE-SALISBURY, SEVERN RIVER
 ABSTRACT MISSION W196, FLT. 1, MARCH 19, 1973, WITH HALLOPS
 STA. C-54 AIRCRAFT ECLIPSEL WITH 3 HASSELBLAD CAMERAS AND AAG-2 IR SCANNER IN
 COOPERATION WITH NASA'S LANGLEY RES. CTR. FOR THE EPA. OBJECTIVE - IMAGE WATER
 POLLUTION AND POLLUTION OUTFALLS ON POTOMAC, SEVERN AND SOUTH RIVERS. LAND
 FILLS WERE IMAGED OVER THE MARYLAND TOWNS OF SALISBURY, PITTSVILLE, SECRETARY,
 AND BLACKWATER. WEATHER OF BROKEN CLOUDS, VISIBILITY UP TO 7 MILES, AIR TEMP.
 1 DEG. C AT 1000 FT., MSL WIND OF 30-40 KNOTS FROM 300 DEG.
 NAME PAUL ALFENSI
 PHONE NUMBER 804-824-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY HALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WATER QUALITY AND HYDRO THERMAL FIELD STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. BIGHT,
 LONG ISLAND, JAMESPORT
 ABSTRACT 5 STATIONS LOCATED AT JAMESPORT WERE SAMPLED FROM
 JULY 1973 TO THE PRESENT FOR SALINITY, DISSOLVED OXYGEN, BIOCHEMICAL OXYGEN
 DEMAND, WATER TEMPERATURE, TOTAL SOLIDS, NITRATE, NITRITE, TOTAL ORGANIC
 NITROGEN, AMMONIA, TOTAL PHOSPHORUS, ORTHOPHOSPHATE, PH, TOTAL ALKALINITY,
 CHLOROPHYLL A, COPPER, CHROMIUM, IRON, MANGANESE, NICKEL, ZINC, TURBIDITY, AND
 COUNT AND SPECIES DETERMINATION OF MICROBIALS.
 NAME STEVE CALTON
 PHONE NUMBER 516 931 6300 X2356
 INSTITUTION OR AGENCY LONG ISLAND LIGHTING COMPANY
 STREET 175 EAST OLD COUNTRY ROAD
 CITY HICKSVILLE
 STATE NEW YORK
 ZIP CODE 11801

FILE NAME WATER QUALITY DATA FOR WESTERN LONG ISLAND SOUND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL CONNECTICUT AND NEW
 YORK, WESTERN LONG ISLAND SOUND BETWEEN BRIDGEPORT, CONNECTICUT AND
 MANARCKNECK, NEW YORK
 ABSTRACT THE OCEANIC SOCIETY, STAMFORD, CONNECTICUT, IS
 STARTING TO MONITOR WATER QUALITY IN TEN HARBORS ALONG THE CONNECTICUT-NEW
 YORK COAST BETWEEN BRIDGEPORT, CONNECTICUT AND MANARCKNECK, NEW YORK.
 DISSOLVED OXYGEN, PH, TEMPERATURE, SALINITY AND COLIFORM BACTERIA ARE THE
 INITIAL PARAMETERS MEASURED WITH THE POSSIBILITY OF ADDING MORE PARAMETERS
 LATER. THESE DATA WILL BE AVAILABLE UPON REQUEST.
 NAME DAVID BELL
 PHONE NUMBER 203 327 5765
 INSTITUTION OR AGENCY OCEANIC SOCIETY
 CITY STAMFORD
 STATE CONNECTICUT
 ZIP CODE 06902

FILE NAME WATER QUALITY MANAGEMENT BASIN PLAN, SOUTH ATLANTIC
 BASIN PLAN
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT THIS REPORT SERVES TO SATISFY THE FEDERAL WATER
 POLLUTION CONTROL ACT AMENDMENTS OF 1972 IN TERMS OF WATER QUALITY PLANS. DATA
 IS AVAILABLE ON WATER QUALITY PARAMETERS OF INDUSTRIAL EFFLUENT OUTFLOWS INTO
 SPECIFIC LOCATIONS. PARAMETERS REFLECTS POLLUTION LOAD IN MUNICIPAL AND
 INSTITUTIONAL DISCHARGES. REPORTS IDENTIFY SPECIFIC DISCHARGER, DISCHARGE
 LOCATION, MUNICIPALITY, AND EXISTING TREATMENT PROCESS.
 NAME HEAD OF SOUTH ATLANTIC BASIN PLANNING
 PHONE NUMBER 609 292 1576
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER RESOURCES, WATER QUALITY MANAGEMENT PLANNING
 STREET P.O. BOX 2809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME WATER QUALITY MANAGEMENT BASIN PLAN DELAWARE RIVER
 TRIBUTARIES, ZONES 5 AND 6
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT THIS REPORT SERVES TO SATISFY THE FEDERAL WATER
 POLLUTION CONTROL ACT AMENDMENTS OF 1972 IN TERMS OF WATER QUALITY PLANS. DATA
 IS AVAILABLE IN TABLES AND GRAPHS AND DEALS WITH VARIOUS WATER QUALITY
 PARAMETERS MEASURED AT SAMPLING STATIONS THROUGHOUT NEW JERSEY. DATA CATALOGED
 IS ONLY FROM WATER QUALITY ANALYSES CARRIED OUT IN THE UPPER SALEM RIVER.
 NAME HEAD OF BASIN PLANNING, ZONES 5 AND 6
 PHONE NUMBER 609 292 1576
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER RESOURCES, WATER QUALITY MANAGEMENT PLANNING
 STREET P.O. BOX 2809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME WATER QUALITY AND HYDRO THERMAL FIELD STUDY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, N.Y. EIGHT,
 LONG ISLAND, JAMESPORT
 ABSTRACT 5 STATIONS LOCATED AT JAMESPORT WERE SAMPLED FROM
 JULY 1973 TO THE PRESENT FOR SALINITY, DISSOLVED OXYGEN, BIOCHEMICAL OXYGEN
 DEMAND, WATER TEMPERATURE, TOTAL SOLIDS, NITRATE, NITRITE, TOTAL ORGANIC
 NITROGEN, AMMONIA, TOTAL PHOSPHORUS, ORTHOPHOSPHATE, PH, TOTAL ALKALINITY,
 CHLOROPHYLL A, COPPER, CHROMIUM, IRON, MANGANESE, NICKEL, ZINC, TURBIDITY, AND
 COUNT AND SPECIES DETERMINATION OF MICROBIOPLANKTON.
 NAME STEVE DALTON
 PHONE NUMBER 516 531 6300 X2356
 INSTITUTION OR AGENCY LONG ISLAND LIGHTING COMPANY
 STREET 175 EAST OLD COUNTRY ROAD
 CITY HICKSVILLE
 STATE NEW YORK
 ZIP CODE 11601

FILE NAME WATER QUALITY DATA FOR WESTERN LONG ISLAND SOUND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL CONNECTICUT AND NEW
 YORK, WESTERN LONG ISLAND SOUND BETWEEN BRIDGEPORT, CONNECTICUT AND
 MANHATTAN, NEW YORK
 ABSTRACT THE OCEANIC SOCIETY, STAMFORD, CONNECTICUT, IS
 STARTING TO MONITOR WATER QUALITY IN TEN HARBORS ALONG THE CONNECTICUT-NEW
 YORK COAST BETWEEN BRIDGEPORT, CONNECTICUT AND MANHATTAN, NEW YORK.
 DISSOLVED OXYGEN, PH, TEMPERATURE, SALINITY AND COLIFORM BACTERIA ARE THE
 INITIAL PARAMETERS MEASURED WITH THE POSSIBILITY OF ADDING MORE PARAMETERS
 LATER. THESE DATA WILL BE AVAILABLE UPON REQUEST.
 NAME DAVID BELL
 PHONE NUMBER 203 327 5785
 INSTITUTION OR AGENCY OCEANIC SOCIETY
 CITY STAMFORD
 STATE CONNECTICUT
 ZIP CODE 06902

FILE NAME WATER QUALITY MANAGEMENT BASIN PLAN, SOUTH ATLANTIC
 BASIN PLAN
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT THIS REPORT SERVES TO SATISFY THE FEDERAL WATER
 POLLUTION CONTROL ACT AMENDMENTS OF 1972 IN TERMS OF WATER QUALITY PLANS. DATA
 IS AVAILABLE ON WATER QUALITY PARAMETERS OF INDUSTRIAL EFFLUENT OUTFLOWS INTO
 SPECIFIC LOCATIONS. PARAMETERS REFLECTS POLLUTION LOAD IN MUNICIPAL AND
 INSTITUTIONAL DISCHARGES. REPORTS IDENTIFY SPECIFIC DISCHARGER, DISCHARGE
 LOCATION, MUNICIPALITY, AND EXISTING TREATMENT PROCESS.
 NAME HEAD OF SOUTH ATLANTIC BASIN PLANNING
 PHONE NUMBER 609 252 1576
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER RESOURCES, WATER QUALITY MANAGEMENT PLANNING
 STREET P.O. BOX 2805
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME WATER QUALITY MANAGEMENT BASIN PLAN DELAWARE RIVER
 TRIBUTARIES, ZONES 5 AND 6
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT THIS REPORT SERVES TO SATISFY THE FEDERAL WATER
 POLLUTION CONTROL ACT AMENDMENTS OF 1972 IN TERMS OF WATER QUALITY PLANS. DATA
 IS AVAILABLE IN TABLES AND GRAPHS AND DEALS WITH VARIOUS WATER QUALITY
 PARAMETERS MEASURED AT SAMPLING STATIONS THROUGHOUT NEW JERSEY. DATA CATALOGED
 IS ONLY FROM WATER QUALITY ANALYSES CARRIED OUT IN THE UPPER SALEM RIVER.
 NAME HEAD OF BASIN PLANNING, ZONES 5 AND 6
 PHONE NUMBER 609 252 1576
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER RESOURCES, WATER QUALITY MANAGEMENT PLANNING
 STREET P.O. BOX 2805
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME WATER QUALITY MONITORING PLAN FOR LONG ISLAND SOUND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., CONNECTICUT, LONG ISLAND SOUND
 ABSTRACT IN AN ATTEMPT TO DEMONSTRATE THE FEASIBILITY OF A
 PROPOSED SAMPLING PLAN TO MONITOR WATER QUALITY IN LONG ISLAND SOUND, 15
 STATIONS WERE SAMPLED ALONG THE LENGTH OF THE SOUND. SAMPLES WERE TAKEN AT
 THE SURFACE AND AT THE BOTTOM AND WERE ANALYSED FOR BIOCHEMICAL OXYGEN DEMAND,
 CHLOROPHYLL A, TOTAL AND FECAL COLIFORM, CONDUCTIVITY, DISSOLVED OXYGEN,
 NITRATE, NITRITE, AMMONIA, PH, TOTAL PHOSPHORUS, ORTHOPHOSPHATE, TEMPERATURE,
 AND TURBIDITY. FOUR STATIONS WERE ALSO ANALYSED FOR OIL AND GREASE. A COST
 ESTIMATE OF SUCH A SAMPLING PROCEDURE WAS ALSO MADE.

NAME DIRECTOR, WATER COMPLIANCE UNIT
 PHONE NUMBER 203 566 7220
 INSTITUTION OR AGENCY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 STREET STATE OFFICE BUILDING
 CITY HARTFORD
 STATE CONNECTICUT
 ZIP CODE 06115

FILE NAME WATER QUALITY STUDIES OF EAST BRANCH OF RED CLAY
 CREEK
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, CHESTER COUNTY,
 RED CLAY CREEK
 ABSTRACT THIS FILE CONTAINS PHYSICAL, CHEMICAL, AND
 BIOLOGICAL SURVEY DATA FROM THE EAST BRANCH OF THE RED CLAY CREEK IN CHESTER
 COUNTY, PENNSYLVANIA TAKEN IN JUNE 1975. THE DATA FROM 10 SINGLE SURVEY
 STATIONS INCLUDES INFORMATION ON DISSOLVED OXYGEN, TEMPERATURE, PH,
 ALKALINITY, CHLORIDE, AMMONIA, NITRATE, ORTHOPHOSPHATE, TOTAL ORGANIC CARBON,
 SUSPENDED SOLIDS, MACROINVERTEBRATE POPULATION, INSECT AND FISH COMMUNITIES.

NAME ROBERT STRUBLE
 PHONE NUMBER 215 696 0475
 INSTITUTION OR AGENCY BRANZYLINE VALLEY ASSOCIATION INCORPORATED
 STREET 409 FARMERS AND MECHANICS BUILDING
 CITY WEST CHESTER
 STATE PENNSYLVANIA
 ZIP CODE 19380

FILE NAME WATER QUALITY SURVEILLANCE FILE- MANUAL WATER
 MONITOR STATIONS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, COASTAL, GREAT LAKES
 ABSTRACT THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
 CONSERVATIONS PURE WATERS DIVISION MAINTAINS A WATER QUALITY SURVEILLANCE
 NETWORK. THERE ARE APPROXIMATELY 350 MANUAL WATER QUALITY STATIONS. SAMPLES
 FROM EACH STATION ARE ANALYZED FOR FIFTY PARAMETERS. FOR EACH STATION A
 SAMPLING FREQUENCY OF ONE PER MONTH WAS ESTABLISHED. FREQUENCIES AT SOME
 SAMPLING POINTS VARY. THERE ARE ALSO TWELVE AUTOMATIC WATER QUALITY STATIONS
 WITHIN THE NETWORK. THE OBJECTIVES OF THE PURE WATERS DIVISION IS TO DETERMINE
 THE TREND OF WATER QUALITY AND DISSEMINATE INFORMATION.

NAME MR. RONALD MAYLATH
 PHONE NUMBER 516 457 7465
 INSTITUTION OR AGENCY DIVISION OF PURE WATERS, NY STATE DEPT OF
 ENVIRONMENTAL CONSERVATION
 STREET 50 WOLF ROAD
 CITY ALBANY
 STATE NEW YORK
 ZIP CODE 12201

FILE NAME WATER QUALITY SURVEY OF LOWER CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE
 BAY, VIRGINIA
 ABSTRACT WATER QUALITY AND HYDROGRAPHIC SURVEY OF THE
 CHESAPEAKE BAY ON TRANSECTS FROM THE BAY MOUTH TO ANNAPOLIS, MD.

NAME DONALD ADAMS
 PHONE NUMBER 804-485-8000
 INSTITUTION OR AGENCY OLD DOMINION UNIVERSITY
 STREET INSTITUTE OF OCEANOGRAPHY
 CITY NORFOLK
 STATE VIRGINIA
 ZIP CODE 23508

FILE NAME WATER QUALITY VARIATIONS IN THE BROADKILL RIVER ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, BROADKILL RIVER
 ABSTRACT THIS STUDY WAS INITIATED TO DETERMINE THE DYNAMIC ROLE OF THE BROADKILL RIVER ESTUARINE SYSTEM IN THE TRANSPORT AND CYCLING OF NUTRIENTS IN THE COASTAL ENVIRONMENT OF WHICH IT IS A PART, WITH THE GOAL OF DEFINING THE MECHANISMS REGULATING NUTRIENT CYCLES AND THE RAMIFICATIONS OF THESE VARIATIONS. DATA ON SALINITY, TEMPERATURE, DISSOLVED OXYGEN, PH, SECCHI DEPTH, INORGANIC PHOSPHORUS, ORGANIC PHOSPHORUS, PARTICULATE PHOSPHORUS, TOTAL PHOSPHORUS, NITRITE, NITRATE, AMMONIA, CHLOROPHYLL WAS OBTAINED.

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FILE NAME WATER QUALITY VARIATIONS IN THE BROADKILL RIVER ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE BAY, BROADKILL RIVER, COASTAL
 ABSTRACT DURING THE PERIOD FROM JULY 16, 1969 AND FEBRUARY 27, 1971, HYDROGRAPHIC PARAMETERS AND CONCENTRATIONS OF VARIOUS PHOSPHORUS AND COMBINED INORGANIC NITROGEN FRACTIONS WERE SURVEYED IN THE BROADKILL RIVER ESTUARINE SYSTEM. CONCENTRATION VARIATIONS OF MOST OF THE PARAMETERS SURVEYED APPEARED TO FOLLOW BOTH SEASONAL AND TIDAL FLUCTUATIONS. AMMONIA, INORGANIC PHOSPHORUS, AND CHLOROPHYLL ATTAINED THEIR HIGHEST MEAN CONCENTRATIONS DURING THE SUMMER, WHILE THE MAXIMUM MEAN CONCENTRATIONS OF DISSOLVED OXYGEN AND NITRATE APPEARED DURING THE WINTER. THE HIGHEST MEAN CONCENTRATIONS OF NITRATE AND ORGANIC PHOSPHORUS WERE FOUND DURING THE AUTUMN.

NAME INTERLIBRARY LOAN
 PHONE NUMBER 302 738 2236
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 STATE DELAWARE
 ZIP CODE 19711

FILE NAME WATER RESOURCES DATA FOR PENNSYLVANIA, PART ONE, SURFACE WATER RECORDS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA
 ABSTRACT IN AN EFFORT TO CATALOG AND QUANTIFY SURFACE WATER SUPPLIES FOR PENNSYLVANIA, THE USGS HAS ESTABLISHED APPROXIMATELY 550 STREAM DISCHARGE MEASURING STATIONS ACROSS THE STATE. APPROXIMATELY 250 OF THESE ARE CONTINUALLY MONITORED. THE OTHER 300 STATIONS GENERATE PARTIALLY COMPLETE RECORDS. STREAM FLOWS ARE REPORTED IN CUBIC FEET PER SECOND, WITH MAXIMA, MINIMA, AND MONTHLY MEAN FLOW CALCULATED. DETAILED REPORTS ARE AVAILABLE FOR MANY OF THE STATIONS.

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 ZIP CODE 17108

FILE NAME WATER RESOURCES DATA FOR PENNSYLVANIA, PART TWO, WATER QUALITY RECORDS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA
 ABSTRACT THIS IS AN ONGOING STUDY OF THE QUALITY OF SURFACE WATERS OF PENNSYLVANIA. THERE ARE APPROXIMATELY 250 STATIONS FROM WHICH DATA ARE COLLECTED, MOST OF WHICH MONITOR STREAM DISCHARGE, TEMPERATURE, SPECIFIC CONDUCTIVITY AND DISSOLVED OXYGEN. IN ADDITION, ABOUT 200 STATIONS REPORT BIOCHEMICAL OXYGEN DEMAND, DISSOLVED CA, MG, NA, K, CL, F, SULFATE, NITRATE, ORTHOPHOSPHATE, CARBON DIOXIDE, BICARBONATE, AND CARBONATE, AS WELL AS PH, ALKALINITY, HARDNESS, NONCARBONATE HARDNESS AND COLOR. ABOUT 50 STATIONS ADDITIONALLY MONITOR DISSOLVED SILICA, FE AND MN, COLIFORM AND STREPTOCOCCI. SPOT CHECKS ARE MADE FOR SURFACTANTS, TURBIDITY, AND DISSOLVED AMMONIA, AL, AS, CD, CR, CU, PB, FC, NI, ZN AND A VARIETY OF PESTICIDES IN WATER AND SEDIMENTS. THE DATA ARE PRINTED ANNUALLY IN SUMMARY REPORTS. DETAILED DATA FROM MANY INDIVIDUAL STATIONS ARE AVAILABLE.

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FILE NAME WATER RESOURCES DEVELOPMENT IN THE MULICA RIVER
 BASIN, PART II, III
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, MULICA RIVER BASIN
 ABSTRACT THIS FILE CONTAINS PHYSICAL AND CHEMICAL DATA ON
 THE SURFACE AND GROUNDWATER OF THE MULICA RIVER BASIN. THE DATA, TAKEN FROM
 1968 TO 1973, INCLUDES STREAM FLOW, SALINITY, DISCHARGE, TEMPERATURE, AND
 DRAINAGE ARE A INFORMATION ON VARIOUS STREAMS IN THE AREA.

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 STREET WATER RESOURCES
 CITY NEW BRUNSWICK
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 ZIP CODE 08032

FILE NAME WATER RESOURCES DEVELOPMENT IN THE MULICA RIVER
 BASIN PART I. BIOLOGICAL EVALUATION OF THE MULICA RIVER-GREAT BAY ESTUARY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, U.S., COASTAL, GREAT BAY
 MULICA RIVER ESTUARY, BATSO RIVER
 ABSTRACT THIS REPORT CONTAINS PHYSICAL, CHEMICAL, AND
 BIOLOGICAL DATA PURSUANT TO AN ECOLOGICAL EVALUATION OF THE MULICA
 RIVER-GREAT BAY ESTUARY ECOSYSTEM. THE DATA TAKEN FROM 1968 TO 1969, INCLUDES
 RIVER FLOW, BENTHIC INVERTEBRATE POPULATION COUNTS, SEDIMENT TYPES, PLANKTON
 COUNTS AND SPECIES DETERMINATIONS, FISH COUNTS AND SPECIATIONS, MARSH PLANT
 COMMUNITY DETERMINATIONS, PARTICULATE CARBON AND NITRUS TRANSPORT, SALINITY,
 AND TEMPERATURE. SOME COGENT HISTORICAL RECORD AND LITERATURE DATA IS ALSO
 INCLUDED.

NAME JAMES DURAND
 PHONE NUMBER 609 757 6149
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 STREET BIOLOGY DEPARTMENT
 CITY CAMDEN
 STATE NEW JERSEY
 ZIP CODE 08102

FILE NAME WATER TEMPERATURES IN NEW JERSEY COASTAL WATERS
 DURING JULY 1974
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF OCEAN WATER TEMPERATURE WAS CONDUCTED
 OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED
 ATLANTIC GENERATING STATION DURING JULY 1974. TEMPERATURE RECORDERS DEPLOYED
 AT DEPTHS OF 1, 5.5, AND 11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED
 OCEAN TEMPERATURES. REPORTED PARAMETERS INCLUDED DAILY MAXIMUM AND MINIMUM
 TEMPERATURES.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME WATER TEMPERATURES IN NEW JERSEY COASTAL WATERS
 DURING MAY 1974
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF OCEAN WATER TEMPERATURE WAS CONDUCTED
 OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED
 ATLANTIC GENERATING STATION DURING MAY 1974. TEMPERATURE RECORDERS DEPLOYED AT
 DEPTHS OF 1, 5.5, AND 11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED OCEAN
 TEMPERATURES. REPORTED PARAMETERS INCLUDED DAILY MAXIMUM AND MINIMUM
 TEMPERATURES.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
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 CITY NEWARK
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 ZIP CODE 07101

FILE NAME WATER TEMPERATURES IN NEW JERSEY COASTAL WATERS
 DURING MARCH 1974
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF OCEAN WATER TEMPERATURE WAS CONDUCTED
 OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED
 ATLANTIC GENERATING STATION DURING MARCH 1974. TEMPERATURE RECORDERS DEPLOYED
 AT DEPTHS OF 1, 5.5, AND 11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED
 OCEAN TEMPERATURES. REPORTED PARAMETERS INCLUDED DAILY MAXIMUM AND MINIMUM
 TEMPERATURES.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME WATER TEMPERATURES IN NEW JERSEY COASTAL WATERS
 FROM JANUARY THROUGH DECEMBER 1973
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF OCEAN WATER TEMPERATURE WAS CONDUCTED
 OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED
 ATLANTIC GENERATING STATION FROM JANUARY THROUGH DECEMBER 1973. TEMPERATURE
 RECORDERS DEPLOYED AT DEPTHS OF 1, 5.5, AND 11 METERS AT SEVERAL SITES
 CONTINUOUSLY MONITORED OCEAN TEMPERATURES. REPORTED PARAMETERS INCLUDED DAILY
 MAXIMUM AND MINIMUM TEMPERATURES.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
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 STATE NEW JERSEY
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FILE NAME WATER TEMPERATURES IN NEW JERSEY COASTAL WATERS
 FROM APRIL THROUGH DECEMBER 1972
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF OCEAN WATER TEMPERATURE WAS CONDUCTED
 OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED
 ATLANTIC GENERATING STATION DURING APRIL THROUGH DECEMBER 1972. TEMPERATURE
 RECORDERS DEPLOYED AT DEPTHS OF 5.5 AND 11 METERS AT SEVERAL SITES
 CONTINUOUSLY MONITORED OCEAN TEMPERATURES. REPORTED PARAMETERS INCLUDED DAILY
 MAXIMUM AND MINIMUM TEMPERATURES.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME WATERFOWL AND HUNTING
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, ATLANTIC COUNTY
 ABSTRACT BIOLOGISTS CONDUCTED 42 SPY BLIND OBSERVATIONS TO
 EVALUATE EFFECT OF WATERFOWL HUNTING REGULATIONS. THE DATA REPORTED HERE
 CONSISTS MOSTLY OF MORTALITY OF 20 SPECIES OF BIRDS. THE NEW JERSEY DEPARTMENT
 OF ENVIRONMENTAL PROTECTION HAS SET UP A POINT SYSTEM FOR DEPICTING THREE SIZE
 CATEGORIES OF BIRDS KILLED BY HUNTERS. MORTALITY COUNTS ARE BROKEN DOWN BY
 THESE SIZE CATEGORIES AS 50, 20, AND 10 POINT BIRDS.

NAME PRINCIPAL FISHERIES BIOLOGIST
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 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1805
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME WATERFOWL HARVEST IN RARITAN BAY AND GREAT BAY
 BULLEVARDE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, RARITAN
 BAY AND GREAT BAY BULLEVARDE
 ABSTRACT WATERFOWL UTILIZATION AND HUNTER BAG CHECKS WERE
 CONDUCTED ON THE RARITAN BAY AND GREAT BAY BULLEVARDE WETLAND STUDY AREAS. FOR
 RARITAN BAY, WATERFOWL UTILIZATION IS REPORTED FOR BLACK DUCK, CANVASBACK,
 SLAUP AND CIL SQUAW FOR 2 DATES IN TERMS OF NUMBER AND PERCENT. HARVEST IS
 REPORTED FOR OCTOBER THROUGH JANUARY FOR GREATER SLAUP, LESSER SLAUP, OLD
 SQUAW, BLUFFLEHEAD, CANADA GEESE, BLUE WINGED TEAL AND COMMON EIDER. FOR GREAT
 BAY BULLEVARDE, UTILIZATION IS REPORTED FOR 15 VARIETIES AND HARVEST IS
 REPORTED FOR 18 VARIETIES OF WATERFOWL.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
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 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME WATERFOWL IMPOUNDMENTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, CAPE MAY COUNTY,
 ATLANTIC COUNTY
 ABSTRACT IN 1975 TO 1976, SURVEYS WERE CONDUCTED TO
 DETERMINE THE EFFECTS OF TWO WATER LEVEL MANAGEMENT TECHNIQUES (MILLET AND
 SPIKE RUSH MANAGEMENT) ON BIRD UTILIZATION. ALTERATION OF WATER LEVEL
 PERMITTED INCREASED WATERFOWL UTILIZATION OF AREA PLOTS.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
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 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME WATERFOWL MORTALITY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT REPORTED INCIDENTS OF WATER FOWL MORTALITY ARE
 CATALOGUED IN THIS REPORT. CAUSES OBSERVED MORTALITY INCLUDE DUCK VIRUS
 ENTERITIS, OIL SPILLS, BOTULISM FROM CLOSTRIDIUM BOTULINUM, CAUSTIC CHEMICAL
 POISONING, AND SEVERE WEATHER. DATA ON DUCK VIRUS ENTERITIS IS REPORTED FOR
 1975 TO 1977. ALL OTHER MORTALITY COUNTS ARE FOR 1976 TO 1977 INCLUDING
 HURRICANE BELLE RELATED INCIDENTS.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
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FILE NAME WATERFOWL MORTALITY AND FACTORS AFFECTING WATERFOWL
 POPULATIONS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT REPORTED WATERFOWL MORTALITY AS CAUSED BY BOTULISM
 MALNUTRITION, NON-SPECIFIC VIRUS, OIL SPILLS, AND DETERGENTS IS COMPILED IN A
 ONE YEAR SURVEY REPORT. ALSO REPORTED IS BIRDS AFFECTED BY D.V.E.. THIS WAS
 DETERMINED IN 46 SITES OVER A ONE YEAR PERIOD. BOTULISM OUTBREAKS AND
 MORTALITY IS REPORTED FOR 4 SITES IN OCEAN COUNTY; OIL SPILL MORTALITY IS
 REPORTED FOR 15 LOCATIONS; OTHER CAUSES OF MORTALITY ARE REPORTED FOR 7
 LOCATIONS.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
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 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME WATERFOWL MORTALITY BY DISEASE, LEAD POISONING AND
OIL SPILLS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
ABSTRACT WATERFOWL MORTALITY AS CAUSED BY DISEASE, LEAD
POISONING AND OIL SPILLS IS PRESENTED. FOUR MAJOR OIL SPILLS AND RELATED
MORTALITIES ARE ALSO PRESENTED AND DISCUSSED AS FAR AS TYPES OF OIL, AND
MORTALITY RATES DURING DIFFERENT PHASES OF BIRD RESCUE. MORTALITY IS DESCRIBED
AS NUMBER KILLED DUE TO LEAD POISONING, OIL SPILLS, CHOLERA, NON-SPECIFIC
VIRUS, AND CAUSTIC POISONING. REPORT OF BOTULISM POISONING IS REPORTED FOR 9
SPECIES AND 15 AREAS.

NAME PRINCIPAL FISHERIES BIOLOGIST
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STREET P.O. BOX 1809
CITY TRENTON
STATE NEW JERSEY
ZIP CODE 08625

FILE NAME WATERFOWL MOVEMENTS
GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
ABSTRACT PRE-SEASON AND WINTER BANDING OPERATIONS WERE
CARRIED OUT DURING 1974 TO 1975. BANDING WAS ACCOMPLISHED IN ATLANTIC, CAPE
MAY AND CUMBERLAND COUNTIES. ALSO REPORTED IS TRAPPINGS AND LIBERATIONS OF
CANADA GOOSE GATE STATE OWNED WILDLIFE MANAGEMENT AREAS DURING 1969 TO 1974.

NAME PRINCIPAL FISHERIES BIOLOGIST
PHONE NUMBER 609 292 6686
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CITY TRENTON
STATE NEW JERSEY
ZIP CODE 08625

FILE NAME WATERFOWL MOVEMENTS
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, NEW JERSEY, DELAWARE
EAY
ABSTRACT PRE-SEASON AND WINTER BANDING FOR 1975 TO 1976 WAS
CARRIED OUT ON THREE WILDLIFE MANAGEMENT AREAS IN NEW JERSEY. SPECIES
COMPOSITION AND THREE AGE CLASSES ARE REPORTED.

NAME PRINCIPAL FISHERIES BIOLOGIST
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STATE NEW JERSEY
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FILE NAME WAVE OBSERVATIONS IN NEW JERSEY COASTAL WATERS
DURING MARCH, APRIL, AND MAY 1975
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
GREAT BAY
ABSTRACT A STUDY OF WAVE CHARACTERISTICS OF THE OCEAN OFF
THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC
GENERATING STATION WAS CONDUCTED DURING MARCH, APRIL, AND MAY, 1975. A WAVE
RIDER WAVE MEASUREMENT SYSTEM DEPLOYED NEAR THE PROPOSED SITE RECORDED WAVES
EVERY 6 HOURS. REPORTED PARAMETERS INCLUDED SIGNIFICANT WAVE HEIGHT, MAXIMUM
WAVE HEIGHT, AND PEAK SPECTRAL PERIOD.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME WAVE OBSERVATIONS IN NEW JERSEY COASTAL WATERS
DURING JUNE, JULY, AND AUGUST 1975
GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
GREAT BAY
ABSTRACT A STUDY OF WAVE CHARACTERISTICS OF THE OCEAN OFF
THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC
GENERATING STATION WAS CONDUCTED DURING JUNE, JULY, AND AUGUST 1975. A WAVE
RIDER WAVE MEASUREMENT SYSTEM DEPLOYED NEAR THE PROPOSED SITE RECORDED WAVES
EVERY 6 HOURS. REPORTED PARAMETERS INCLUDED SIGNIFICANT WAVE HEIGHT, MAXIMUM
WAVE HEIGHT, AND PEAK SPECTRAL PERIOD.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
PHONE NUMBER 201 622 7000
INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
STREET 80 PARK PLACE
CITY NEWARK
STATE NEW JERSEY
ZIP CODE 07101

FILE NAME WAVE OBSERVATIONS IN NEW JERSEY COASTAL WATERS
 DURING SEPTEMBER, OCTOBER, AND NOVEMBER 1975
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 GREAT BAY
 ABSTRACT A STUDY OF WAVE CHARACTERISTICS OF THE OCEAN OFF
 THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC
 GENERATING STATION WAS CONDUCTED DURING SEPTEMBER, OCTOBER, AND NOVEMBER 1975.
 A WAVE RIDER WAVE MEASUREMENT SYSTEM DEPLOYED NEAR THE PROPOSED SITE RECORDED
 WAVES EVERY 6 HOURS. REPORTED PARAMETERS INCLUDED SIGNIFICANT WAVE HEIGHT,
 MAXIMUM WAVE HEIGHT, AND PEAK SPECTRAL PERIOD.

NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME WAVE PROFILE STUDY-MARYLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., MARYLAND
 ABSTRACT MISSION W229, FLIGHT 01, WAS ACCOMPLISHED ON AUGUST
 17, 1973, UTILIZING THE WALLCPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A
 T-11 AERIAL MAPPING CAMERA AND A HELIUM NEON LASER, IN COOPERATION WITH THE
 NASA LANGLEY RESEARCH CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO MAKE A STUDY
 OF WAVE ACTION USING AERIAL PHOTOGRAPHY AND LASER PROFILE TAPES.

NAME MICHAEL CANGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WEATHER DATA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, GREAT LAKES
 ABSTRACT WEATHER DATA FROM 320 PLUS STATIONS THROUGH OUT NEW
 YORK STATE FURNISHED BY WEATHER BUREAU AT ASHEVILLE, N.C.

NAME G. F. GIBBS.
 PHONE NUMBER 315 787 2216
 INSTITUTION OR AGENCY NEW YORK STATE, AGRICULTURAL EXPERIMENTATION STATION
 CITY GENEVA
 STATE NEW YORK
 ZIP CODE 14456

FILE NAME WEED COMPETITION IN SOYBEANS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING
 A FIELD STUDY CONDUCTED IN DELAWARE DURING 1965 TO DETERMINE THE EFFECT OF
 WEED COMPETITION AND THE TIME OF WEED REMOVAL ON THE YIELD, STAND, LODGING AND
 HEIGHT OF SOYBEANS.

NAME WCRFIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME WELLS FOR THE PRESERVATION OF CHLORIDE AND WATER
 LEVELS IN AQUIFERS THAT CROSS THE CHESAPEAKE AND DELAWARE CANAL
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY
 ABSTRACT A PRELIMINARY STUDY WAS CARRIED OUT FROM DECEMBER
 1955 THROUGH SEPTEMBER 1957 IN ORDER TO INVESTIGATE THE FACTORS CONTROLLING
 THE EXCHANGE OF WATER BETWEEN THE CHESAPEAKE AND DELAWARE CANAL AND THE
 AQUIFERS THROUGH WHICH THE CANAL PASSES. THREE WELLS WERE DRILLED IN THE AREA
 OF SUMMIT BRIDGE, DELAWARE TO PERMIT A DETERMINATION OF GROUND WATER GRADIENTS
 AND TO MARK THE EXTENSION OF SALT-WATER INFUSION. THE RESULTS OF THE STUDY
 ARE PRESENTED IN REPORT FORM. THE SEDIMENT STRUCTURES OF THE THREE WELL CORES
 AS WELL AS THE SEDIMENT STRUCTURES FROM 43 CORES TAKEN FROM A NORTH-SOUTH
 GEOLOGIC CROSS SECTION AND AN EAST-WEST CROSS SECTION, BOTH IN THE STUDY AREA
 ARE GIVEN. MEASUREMENTS OF WATER QUALITY PARAMETERS OF THE WATER FROM THE
 THREE WELLS AND THE WATER IN THE CANAL ARE LISTED FOR THE DURATION OF THE
 STUDY. WATER LEVELS WITHIN THE WELLS ARE ALSO RECORDED FOR THE ENTIRE STUDY
 PERIOD.

NAME DELAWARE GEOLOGICAL SURVEY STAFF
 PHONE NUMBER 302 738 2833
 INSTITUTION OR AGENCY DELAWARE GEOLOGICAL SURVEY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME WEST PECONIC BAY SYNOPTIC
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG ISLAND, WEST PECONIC BAY
 ABSTRACT DATA FILE IS IN THE FORM OF AN ACADEMIC EXERCISE PERFORMED BY STUDENTS MAJORING IN MARINE SCIENCE AT SOUTHAMPTON COLLEGE, LONG ISLAND, NEW YORK. PARAMETERS WERE MEASURED WEEKLY FOR THE MONTH OF AUGUST, 1975 AND INCLUDE TEMPERATURE, SALINITY, DISSOLVED OXYGEN GAS, PHOSPHATE, NITRATE, NITRITE, CURRENT SPEED AND DIRECTION, WIND SPEED AND DIRECTION, SKY, AND SEA STATE.
 NAME J. F. WELKER
 PHONE NUMBER 516 283 4000
 INSTITUTION OR AGENCY SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER
 STREET TUCKAHOE ROAD
 CITY SOUTHAMPTON
 STATE NEW YORK
 ZIP CODE 11968

FILE NAME WEST SHINNECOCK NUTRIENT DATA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG ISLAND, WEST SHINNECOCK BAY
 ABSTRACT THIS FILE IS IN THE FORM OF DATA SHEETS COMPILED BY STUDENTS MAJORING IN MARINE SCIENCE AT SOUTHAMPTON COLLEGE, LONG ISLAND, NEW YORK. PARAMETERS WERE MEASURED WEEKLY DURING JUNE AND JULY, 1974 AND INCLUDE NITRATE, NITRITE AND PHOSPHATE.
 NAME J. F. WELKER
 PHONE NUMBER 516 283 4000
 INSTITUTION OR AGENCY SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER
 STREET TUCKAHOE ROAD
 CITY SOUTHAMPTON
 STATE NEW YORK
 ZIP CODE 11968

FILE NAME WEST SHINNECOCK SYNOPTIC STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW YORK, LONG ISLAND, WEST SHINNECOCK BAY
 ABSTRACT THIS FILE IS AN ACADEMIC EXERCISE PERFORMED BY STUDENTS MAJORING IN MARINE SCIENCE AT SOUTHAMPTON COLLEGE, LONG ISLAND, NEW YORK. PARAMETERS WERE MEASURED WEEKLY DURING THE MONTHS OF JULY AND AUGUST, 1974 AT 17 STATIONS. PARAMETERS MEASURED INCLUDE AIR AND WATER TEMPERATURE, SALINITY, DISSOLVED OXYGEN GAS, NITRATE, NITRITE, PHOSPHATE, CURRENT VELOCITY, WIND VELOCITY, SEA STATE, AND CLOUD COVER.
 NAME J. F. WELKER
 PHONE NUMBER 516 283 4000
 INSTITUTION OR AGENCY SOUTHAMPTON COLLEGE MARINE SCIENCE CENTER
 STREET TUCKAHOE ROAD
 CITY SOUTHAMPTON
 STATE NEW YORK
 ZIP CODE 11968

FILE NAME WESTERN CAROLINA UNIVERSITY HERBARIUM COLLECTION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., NORTH CAROLINA
 ABSTRACT COLLECTION AND PREPARATION OF HERBARIUM SPECIMENS FROM THE COASTAL FLORA OF NORTH AND SOUTH CAROLINA
 NAME J. DAN. PITILLI
 PHONE NUMBER 704 293 7244
 INSTITUTION OR AGENCY DEPARTMENT OF BOTANY
 STREET WESTERN CAROLINA UNIVERSITY
 CITY CULLOWHEE
 STATE NORTH CAROLINA
 ZIP CODE 28723

FILE NAME WETLAND BOUNDARY MAPS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND
 ABSTRACT AERIAL PHOTOGRAPH FILE OF ALL LAND AND WATER INTERFACES IN THE STATE OF MARYLAND. USED TO DELINEATE LANDWARD BOUNDARY OF TIDAL WETLANDS. PHOTOGRAMETRIC STANDARDS MET. COLOR AND IR PHOTOS 1 INCH TO 1000 FT SCALE. BLACK AND WHITE PRINTS 1 INCH TO 200 FT SCALE.
 NAME WILLIAM SIFFLE
 PHONE NUMBER 301-267-5677
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET WATER RESOURCES ADMINISTRATION TAXES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME WETLAND MAPPING STUDY-MARYLAND
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., MARYLAND
 ABSTRACT MISSION W288, FLIGHT 01, WAS ACCOMPLISHED ON JULY 31, 1974, UTILIZING THE WALLCPS STATION UH-1H HELICOPTER EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS AND AN I2S *B* MULTISPECTRAL CAMERA SYSTEM IN COOPERATION WITH THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO PROVIDE REMOTE SENSING IMAGERY IN MULTIPLE WAVELENGTH BANDS AT A VARIETY OF SCALES FOR USE IN DETERMINING THE BEST TECHNIQUES IN MAKING DETAILED WETLAND MAPPING STUDIES.
 NAME MICHAEL CONGER
 PHONE NUMBER 804 824 3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLCPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WETLANDS MARSH STUDIES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, NEW JERSEY, REHCBC1H
 ABSTRACT MISSION W126, FLT. 1, WAS ACCOMPLISHED MAY 26, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS, IN COOPERATION WITH U. S. FISH AND WILDLIFE SERVICE. OBJECTIVE - TO DETERMINE THE FEASIBILITY OF DISTINGUISHING VARIOUS TYPES OF MARSH GRASSES FROM INTERPRETING INFRARED AERIAL FILM. FLIGHT IN CLEAR WEATHER, AIR TEMP. 10 DEG. C AT 4,500 FT., MSL WITH WIND OF 20 KNOTS FROM 040 DEG.
 NAME PALL ALFONSI
 PHONE NUMBER 804-624-3411
 INSTITUTION OR AGENCY NATIONAL AERONAUTICS AND SPACE ADM
 STREET CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
 CITY WALLOPS ISLAND
 STATE VIRGINIA
 ZIP CODE 23337

FILE NAME WHITE CLAY CREEK DETRITAL AND ORGANIC BREAKDOWN
 PROJECT SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., PENNSYLVANIA, DELAWARE, WHITE CLAY CREEK
 ABSTRACT THIS FILE CONTAINS DATA ON THE DETRITAL AND BIOCHEMICAL BREAKDOWN PRODUCTS IN THE WHITE CLAY CREEK DRAINAGE SYSTEM. THE DATA, TAKEN MONTHLY SINCE 1972, GIVES RELATIVE AMOUNTS OF CELLULOSIC, LIPID, CARBOHYDRATE, PHENOLIC, PROTEINAEOLS, AND AMINO ACID COMPOUNDS AS WELL INFORMATION ON THE TOTAL DISSOLVED ORGANIC MATERIAL.
 NAME ROBIN VANNOTE
 PHONE NUMBER 215 268 2153
 INSTITUTION OR AGENCY STROUD WATER RESEARCH CENTER
 STREET EAST LONCON GROVE STREET
 CITY LONCON GROVE
 STATE PENNSYLVANIA
 ZIP CODE 19378

FILE NAME WHITE CLAY CREEK STREAM CHEMISTRY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., PENNSYLVANIA, DELAWARE, WHITE CLAY CREEK
 ABSTRACT THIS FILE CONTAINS THE STREAM WATER CHEMISTRY DATA FOR THE WHITE CLAY CREEK WATERSHED AREA IN PENNSYLVANIA AND DELAWARE TAKEN WEEKLY FROM 1969 THROUGH TO THE PRESENT AND CONTINUING. THE DATA, BASICALLY FROM 6 GENERAL STATION AREAS, INCLUDES INFORMATION ON PH, NITRATE, ORTHOPHOSPHATE, AMMONIA, SULFATE, CHLORIDE, ALKALINITY, TOTAL HARDNESS, CALCIUM, VANADIUM, NICKEL, BORON, ZINC, COPPER, MANGANESE, IRON, SODIUM, AND POTASSIUM ON A MONTHLY BASIS SINCE 1972, THE PARTICULATE LOADING AND MAKE UP HAS BEEN DETERMINED AS WELL.
 NAME ROBIN VANNOTE
 PHONE NUMBER 215 268 2153
 INSTITUTION OR AGENCY STROUD WATER RESEARCH CENTER
 STREET EAST LONCON GROVE STREET
 CITY LONCON GROVE
 STATE PENNSYLVANIA
 ZIP CODE 19378

FILE NAME WHITE CLAY CREEK WATERSHED BIOLOGICAL SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., PENNSYLVANIA, DELAWARE, WHITE CLAY CREEK
 ABSTRACT THIS FILE CONTAINS THE BIOLOGICAL SURVEY INFORMATION FOR THE WHITE CLAY CREEK WATERSHED SINCE 1969. THE DATA TAKEN INCLUDES DIATOM AND PROTOZOAN COUNTS AND SPECIES, FISH MORTALITY AND GROWTH, AND PRIMARY PRODUCTIVITY MEASURED BY SEVERAL METHODS. THE DATA WAS TAKEN ON 3 DIFFERENT STREAM BRANCHES AT 9 STATIONS.
 NAME ROBIN VANNOTE
 PHONE NUMBER 215 268 2153
 INSTITUTION OR AGENCY STROUD WATER RESEARCH CENTER
 STREET EAST LONCON GROVE STREET
 CITY LONCON GROVE
 STATE PENNSYLVANIA
 ZIP CODE 19378

FILE NAME WHITE CLAY CREEK WATERSHED FLOW AND CLIMATOLOGICAL
 GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., PENNSYLVANIA,
 DELAWARE, WHITE CLAY CREEK
 ABSTRACT THIS CONTAINS THE STREAM DISCHARGE AND FLOW DATA
 FOR THE WHITE CLAY CREEK WATERSHED AREA IN PENNSYLVANIA AND DELAWARE FROM 1969
 AND CONTINUING IN TO THE FUTURE. CLIMATOLOGICAL DATA WAS TAKEN CONCURRENTLY
 WITH THE FLOW DATA ON A WEEKLY BASIS AT 6 STATIONS WITH 2 NEW STATIONS BEING
 ADDED IN FALL 1975 ON THE BUCK RUN TRIBUTARY. PARAMETERS MEASURED INCLUDE
 WATER TRANSPORT, FLOW, MAXIMUM AND MINIMUM TEMPERATURE, RAIN FALL, LIGHT
 INTENSITY AND STREAM DISCHARGE.
 NAME ROBIN VANNOTE
 PHONE NUMBER 215 268 2153
 INSTITUTION OR AGENCY STROUD WATER RESEARCH CENTER
 STREET EAST LONDON GROVE STREET
 CITY LONDON GROVE
 STATE PENNSYLVANIA
 ZIP CODE 19378

FILE NAME WILDLIFE INDEXES - CEDAR RUN STUDY AREA
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, CEDAR RUN STUDY
 AREA
 ABSTRACT BIRD CENSUSES WERE CONDUCTED ON THE CEDAR RUN STUDY
 AREA. THE DENSITY AND DIVERSITY OF BIRDS IN FOUR DIFFERENT HABITAT TYPES WERE
 DETERMINED. THE FOUR TRANSECTS SAMPLED ARE: 1. CREEK AND BAY EDGE, 2.
 ALTERNIFLORA, 3. IVA-PATENS, AND 4. UPLAND IN THE TICAL MARSHES OF CEDAR RUN.
 SIX DAYS FROM APRIL UNTIL AUGUST WERE USED FOR SAMPLING.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME WILDLIFE INDEXES - NESTING SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, CEDAR RUN STUDY
 AREA
 ABSTRACT RESULTS OF ORIGINAL FIELD STUDY ON BIRD NESTING
 INDICES WERE STATISTICALLY ANALYZED TO OBTAIN POINT AND INTERVAL ESTIMATES OF
 THE NUMBER OF NESTS OF THE VARIOUS BIRD SPECIES IN THE DIFFERENT TYPES OF
 VEGETATION IN THE CEDAR RUN MARSHES. STRUCTURE ANALYSIS RELATES TO STRUCTURE
 OF TYPES OF NESTS FOUND IN DIFFERENT VEGETATION TYPES. REPORTED ARE ESTIMATED
 NUMBER OF NESTS AND THE RELATED VEGETATION ALONG WITH THE STANDARD DEVIATIONS
 FROM THE MEAN. ALSO, THE UPPER AND LOWER LIMIT OF THE 95 PERCENT CONFIDENCE
 INTERVAL IS REPORTED FOR THE NUMBER OF NESTS FOR EACH BIRD SPECIES AND
 SELECTED VEGETATION TYPE FOUND IN THE STUDY AREA.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 252 6666
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME WILDLIFE INVESTIGATIONS-MOSQUITO INVESTIGATIONS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, TICAL WETLANDS
 ABSTRACT DATA COLLECTED DURING A SURVEY CARRIED OUT FROM
 1956 TO 1962 ON THE SEASONAL MOSQUITO POPULATIONS IN ASSAWOMAN AND LITTLE
 CREEK WILDLIFE AREAS, DELAWARE ARE PRESENTED IN REPORT FORM. RECORDED ARE
 SPECIES DETERMINATIONS AND COUNTS OF MOSQUITO LARVAE, PUPAE AND ADULTS AND SEX
 DETERMINATIONS OF ADULT MOSQUITOES. SPECIES DETERMINATIONS OF WILDLIFE USING
 THE MARSHES ARE INCLUDED.
 NAME STAFF DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET C STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19907

FILE NAME WILDLIFE INVESTIGATIONS--MOURNING DOVE CENSUS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, KENT COUNTY
 ABSTRACT DATA FROM A MOURNING DOVE STUDY WHICH HAS BEEN
 CARRIED OUT IN KENT COUNTY, DELAWARE FROM 1953 TO THE PRESENT ARE PRESENTED IN
 REPORT FORM. COUNTS OF MOURNING DOVES SEEN AND HEARD DURING THE ANNUAL SPRING
 BREEDING SEASON CENSUS ARE GIVEN. THE PURPOSE OF THE STUDY HAS BEEN TO
 ESTABLISH AN INDEX TO MOURNING DOVE BREEDING NUMBERS.
 NAME STAFF-DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME WILDLIFE INVESTIGATIONS--RUFFED GROUSE SURVEY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, NANTICOCKE WILDLIFE
 AREA
 ABSTRACT DATA FROM A RUFFED GROUSE SURVEY WHICH HAS BEEN
 CARRIED OUT IN THE NANTICOCKE WILDLIFE AREA, DELAWARE FROM 1972 TO THE PRESENT
 ARE PRESENTED IN REPORT FORM. THE PURPOSE OF THE STUDY HAS BEEN TO ESTABLISH A
 RUFFED GROUSE POPULATION IN DELAWARE BY REINTRODUCTION OF ADULT BIRDS AND TO
 EVALUATE THE SURVIVAL RATE AND BEHAVIOR PATTERNS OF THESE BIRDS.
 NAME STAFF DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME WILDLIFE INVESTIGATIONS--STATUS OF WHITE-TAILED DEER
 IN DELAWARE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT DATA FROM A STUDY WHICH HAS BEEN CARRIED OUT FROM
 1954 TO THE PRESENT ON THE STATUS OF THE WHITE-TAILED DEER IN DELAWARE ARE
 PRESENTED IN REPORT FORM. MEASURED PARAMETERS INCLUDE COUNTS OF BAGGED DEER BY
 SEX AND AGE CLASS, DRESSED WEIGHTS OF BAGGED DEER BY SEX AND AGE CLASS AND
 COUNTS OF ROAD KILLS. THE PURPOSE OF THE STUDY HAS BEEN TO DETERMINE THE RANGE
 AND CONDITION OF THE DEER HERD AS A BASIS FOR POSSIBLE DEER MANAGEMENT
 MEASURES AND REGULATIONS.
 NAME STAFF-DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME WILDLIFE INVESTIGATIONS--UPLAND GAME KILL
 CENSUS--HUNTER SUCCESS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT DATA FROM A STUDY WHICH HAS BEEN CONDUCTED FROM
 1965 TO THE PRESENT ON THE HUNTER SUCCESS OF UPLAND GAME IN PUBLIC HUNTING
 AREAS OF DELAWARE ARE PRESENTED IN REPORT FORM. MEASURED PARAMETERS INCLUDE
 NUMBERS OF BAGGED INDIVIDUALS PER SPECIES AND NUMBERS OF HOURS HUNTED BY
 HUNTING AREA. HUNTER SUCCESS HAS BEEN DETERMINED IN ORDER TO EVALUATE FUTURE
 WILDLIFE MANAGEMENT PRACTICES.
 NAME STAFF-DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME WILDLIFE INVESTIGATIONS-WATER FOWL MIGRATION
 STUDY-AERIAL COUNTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE TIDAL MARSHLANDS
 ABSTRACT DATA FROM A WATERFOWL MIGRATION STUDY WHICH HAS
 BEEN CARRIED OUT IN DELAWARE FROM 1950 TO THE PRESENT ARE PRESENTED IN REPORT
 FORM. MONTHLY AERIAL COUNTS OF THE NUMBERS OF INDIVIDUALS PER SPECIES
 UTILIZING DELAWARE TIDAL MARSHLANDS ARE INCLUDED. THE PURPOSE OF THIS
 MIGRATION STUDY HAS BEEN TO DETERMINE WATERFOWL POPULATION TRENDS IN DELAWARE.
 NAME STAFF-DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME WILDLIFE INVESTIGATIONS-WATERFOWL MIGRATION BANDING
 STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT DATA FROM A WATERFOWL MIGRATION BANDING STUDY WHICH
 HAS BEEN CARRIED OUT IN DELAWARE FROM 1950 TO THE PRESENT ARE PRESENTED IN
 REPORT FORM. MEASURED PARAMETERS INCLUDE NUMBERS PER SPECIES OF BIRDS TAGGED
 IN DELAWARE AND NUMBERS PER SPECIES OF BIRDS RECAPTURED IN DELAWARE AS WELL AS
 RELEASE POSITIONS AND TIMES AND RECAPTURE POSITIONS AND TIMES OF INDIVIDUALS
 RECAPTURED IN DELAWARE. THE PURPOSE OF THIS BANDING STUDY HAS BEEN TO
 DETERMINE MIGRATION CHARACTERISTICS OF WATERFOWL PASSING THROUGH DELAWARE.
 NAME STAFF-DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME WILDLIFE INVESTIGATIONS-WATERFOWL PRODUCTION
 STUDY-COONIE COUNTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE TIDAL MARSHLANDS
 ABSTRACT DATA FROM A WATERFOWL PRODUCTION STUDY CARRIED OUT
 IN THE TIDAL MARSHLANDS OF DELAWARE FROM 1950 TO 1956 ARE PRESENTED IN REPORT
 FORM. MEASURED PARAMETERS INCLUDE NUMBERS OF BREEDING PAIRS, NUMBERS OF BROODS
 AND SIZES OF BROODS BY SPECIES AS WELL AS NUMBERS OF ADULTS, GROUPS AND
 JUVENILES PER SPECIES. THE PURPOSE OF THE STUDY WAS TO DETERMINE CURRENT
 UTILIZATION OF THE MARSHLANDS AS PRODUCTION AREAS BY WATERFOWL TO AID IN
 EVALUATION OF FUTURE WATERFOWL PRODUCTION AND MANAGERIAL PRACTICES.
 NAME STAFF-DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME WILDLIFE INVESTIGATIONS-WATERFOWL KILL-HUNTER
 SUCCESS EVALUATION ON PUBLIC HUNTING AREAS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE TIDAL MARSHLANDS
 ABSTRACT DATA FROM A STUDY WHICH HAS BEEN CONDUCTED FROM
 1965 TO THE PRESENT ON THE HUNTER SUCCESS OF WATERFOWL IN PUBLIC HUNTING AREAS
 OF DELAWARE ARE PRESENTED IN REPORT FORM. MEASURED PARAMETERS INCLUDE NUMBERS
 OF INDIVIDUALS BAGGED PER SPECIES AND NUMBERS OF MAN-HOURS OF HUNTING BY
 HUNTING AREA. HUNTER SUCCESS HAS BEEN DETERMINED IN ORDER TO EVALUATE FUTURE
 WATERFOWL MANAGEMENT PRACTICES.
 NAME STAFF-DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND
 ENVIRONMENTAL CONTROL
 STREET E STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME WILDLIFE INVESTIGATIONS-WOODCOCK SINGING GROUND
 CENSUS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE
 ABSTRACT DATA FROM A WOODCOCK SINGING GROUND COUNT STUDY WHICH HAS BEEN CONDUCTED IN DELAWARE FROM 1950 TO THE PRESENT ARE PRESENTED IN REPORT FORM. COUNTS OF WOODCOCKS SINGING DURING THE ANNUAL SPRING BREEDING SEASON CENSUS ARE GIVEN. THE PURPOSE OF THE STUDY HAS BEEN TO ESTABLISH AN INDEX TO WOODCOCK BREEDING NUMBERS.
 NAME STAFF-DIVISION OF FISH AND WILDLIFE
 PHONE NUMBER 302 678 4431
 INSTITUTION OR AGENCY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
 STREET D STREET
 CITY DOVER
 STATE DELAWARE
 ZIP CODE 19901

FILE NAME WILDLIFE PREVALENCE ON LOW LEVEL IMPOUNDMENTS USED FOR MOSQUITO CONTROL IN DELAWARE, 1965-1967
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, KENT COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING AN ECOLOGICAL INVESTIGATION CONDUCTED FROM 1965 TO 1967 ON TWO IMPOUNDED SALT MARSHES IN KENT COUNTY, DELAWARE. EMPHASIZED ARE STUDIES ON WILDLIFE USAGE OF IMPOUNDED AND NATURAL MARSH AREAS, WILDLIFE PRODUCTION ON IMPOUNDED AND NATURAL MARSHES AND VEGETATION CHANGES RESULTING FROM IMPOUNDMENT.
 NAME MORRIS LIBRARY
 PHONE NUMBER 302 728 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME WILDLIFE PREVALENCE ON LOW LEVEL IMPOUNDMENTS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, STANLEY SPURT MARSH AND RAYMOND MASTEN MARSH
 ABSTRACT TO CO-ORDINATE INTERESTS OF MOSQUITO CONTROL, WILDLIFE AND FISHERY AGENCIES, LOW LEVEL IMPOUNDMENTS WERE PROPOSED FOR STANLEY SPURT MARSH AND RAYMOND MASTEN MARSH FROM JANUARY, 1965 TO DECEMBER, 1966 VEGETATION CHANGES, WILDLIFE USAGE AND PRODUCTION WERE STUDIED.
 NAME FRANK MURPHY
 PHONE NUMBER 302 738 2526
 INSTITUTION OR AGENCY DEPARTMENT OF ENTOMOLOGY
 STREET UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME WINTER DRIFGLE STUDY, ATLANTIC GENERATING SITE, TECHNICAL REPORT NO. 2
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY
 ABSTRACT FINDINGS OF A DRIFGLE STUDY CONDUCTED FROM DECEMBER 1972 THROUGH JANUARY 1973 OF SURFACE AND SUBSURFACE OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION ARE PRESENTED IN REPORT FORM.
 NAME PROJECT MANAGER-ATLANTIC GENERATING STATION
 PHONE NUMBER 201 622 7000
 INSTITUTION OR AGENCY PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 STREET 80 PARK PLACE
 CITY NEWARK
 STATE NEW JERSEY
 ZIP CODE 07101

FILE NAME WINTER FLOUNDER MOVEMENTS, GROWTH AND MORTALITY OFF MASSACHUSETTS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, GEORGES BANK, NANTUCKET SHOALS, BUZZARDS BAY, VINEYARD SOUND, NANTUCKET SOUND, CAPE COD BAY, MASSACHUSETTS BAY
 ABSTRACT ARNOLD HOWE COLLECTED DATA CONCERNING WINTER FLOUNDER (PSEUDOPLEURONECTES AMERICANUS) MOVEMENTS, GROWTH AND MORTALITY OFF THE COAST OF MASSACHUSETTS FROM 1960 TO 1965. TWENTY-ONE STATIONS WERE LOCATED IN BUZZARDS BAY, VINEYARD SOUND, CAPE COD BAY, MASSACHUSETTS BAY, GEORGES BANK AND NANTUCKET SHOALS. THE PARAMETERS INCLUDED ARE: SPECIES DETERMINATION, COUNT, SEX, LENGTH, MORTALITY, MIGRATION STUDY AND GROWTH STUDIES OF DEMERSAL FISH.
 NAME ARNOLD HOWE
 PHONE NUMBER 617 888 1155
 INSTITUTION OR AGENCY MASSACHUSETTS DEPARTMENT OF FISHERIES, WILDLIFE AND RECREATIONAL VEHICLES, DIVISION OF MARINE FISHERIES
 STREET HERITAGE PROFESSIONAL BUILDING ROUTE 6A
 CITY SANDWICH
 STATE MASSACHUSETTS
 ZIP CODE 02563

FILE NAME WINTER FOOD HABITS AND BODY WEIGHT OF ATLANTIC BRANT
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY,
 EARNEGAT BAY, LAKES EAY, JARVIS SCUND
 ABSTRACT DURING A TWO YEAR PERIOD FROM OCTOBER 1972 THROUGH
 APRIL 1974, 801 ATLANTIC BRANT (BRANTA BERNICLLA) WERE COLLECTED ALONG THE NEW
 JERSEY COAST FOR ANALYSIS OF FOOD HABITS AND BODY WEIGHT MEASUREMENTS.
 DETAILED FOOD HABITS INFORMATION WAS NEEDED TO TEST HYPOTHESES RELATING FOOD
 AVAILABILITY TO HARVEST SUSCEPTIBILITY AND OR WINTER LOSS.
 NAME PRINCIPAL WILDLIFE BIOLOGIST
 PHONE NUMBER 609 292 6666
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION,
 DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME WINTER SURVEY OF NON-GAME BIRDS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, COASTAL, U.S., MARYLAND
 ABSTRACT ANNUAL STATEWIDE (MARYLAND) CENSUS FROM 42
 FIVE-MILE TRANSECTS.
 NAME R. I. SMITH, DIRECTOR
 PHONE NUMBER 301 776 4880
 INSTITUTION OR AGENCY PATUXENT WILDLIFE RESEARCH CENTER
 STREET MIGRATORY BIRD AND HABITAT RESEARCH LABORATORY
 CITY LAUREL
 STATE MARYLAND
 ZIP CODE 20810

FILE NAME WINTER WATERFOWL INVENTORY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY
 ABSTRACT LONG TERM SURVEY, 1947 THROUGH PRESENT, OF
 WATERFOWL IN MARYLAND. SPECIES AND COUNTS PER SPECIES. PART OF BUREAU OF SPORT
 FISHERIES AND WILDLIFE SURVEY OF WATERFOWL FLYWAYS.
 NAME VERON STETTS
 PHONE NUMBER 301-267-5195
 INSTITUTION OR AGENCY MARYLAND DEPARTMENT OF NATURAL RESOURCES
 STREET TAWES STATE OFFICE BUILDING
 CITY ANNAPOLIS
 STATE MARYLAND
 ZIP CODE 21401

FILE NAME WHITE CLAY CREEK INSECT GROWTH STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., PENNSYLVANIA, DELAWARE, WHITE
 CLAY CREEK
 ABSTRACT WEIGHTS, ABUNDANCES, SEX STAGES AND SPECIES RANGES
 OF INSECTS IN THE WHITE CLAY CREEK WATERSHED AREA WERE STUDIED. LOCATIONS WERE
 SELECTED AS BEING SPECIFIC TO CERTAIN SPECIES OVER A THREE SQUARE MILE AREA.
 NAME ROBIN VANGLIE
 PHONE NUMBER 215 268 2153
 INSTITUTION OR AGENCY STRUD WATER RESEARCH CENTER
 STREET EAST LONDON GROVE STREET
 CITY LONDON GROVE
 STATE PENNSYLVANIA
 ZIP CODE 15374

FILE NAME WOODCOCK OF NEW YORK STATE: NORTH AND CENTRAL LOWER
 NEW YORK
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, NORTH AND CENTRAL
 LOWER NEW YORK, LONG ISLAND, ACIRENCOCK, SYRACUSE
 ABSTRACT THE PURPOSE OF THIS PROGRAM WAS TO STUDY THE
 WOODCOCK TO DETERMINE HARVEST RATES OF WOODCOCK POPULATIONS IN THE NORTH,
 CENTRAL AND LOWER NEW YORK STATE
 NAME DR. ROBERT E. CHAMBERS
 PHONE NUMBER 315 473 8645
 INSTITUTION OR AGENCY STATE UNIVERSITY OF NEW YORK, COLLEGE OF
 ENVIRONMENTAL SCIENCE AND FORESTRY
 STREET 252 ILLICK HALL
 CITY SYRACUSE
 STATE NEW YORK
 ZIP CODE 13210

FILE NAME WOODCOCK STUDY
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY, CAPE MAY PENINSULA
 ABSTRACT THE RESULTS OF SEVEN YEARS OF WOODCOCK BANDING IN
 CAPE MAY AND CLUMBERLAND COUNTIES ARE PRESENTED ALONG WITH AGE COMPOSITION.
 MORTALITY OF Banded BIRDS IS PRESENTED FROM HUNTER AND RECOVERY DATA.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6666
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
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 STREET P.O. BOX 1809
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME WOODCOCK ZONING
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., COASTAL, NEW JERSEY, CAPE MAY COUNTY, SUSSEX COUNTY
 ABSTRACT WOODCOCK, PHILOMELA MINOR, HUNTER UTILIZATION AND BAG CHECKS WERE CONDUCTED ON TWO STUDY AREAS IN CAPE MAY COUNTY NEW JERSEY. THE DATA COLLECTED INDICATES A DEFINITE SPATIAL AND TEMPORAL DISTRIBUTION IN MIGRATING WOODCOCK IN NEW JERSEY.
 NAME PRINCIPAL FISHERIES BIOLOGIST
 PHONE NUMBER 609 292 6686
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF FISH, GAME, AND SHELLFISHERIES BUREAU OF WILDLIFE MANAGEMENT
 STREET P.O. BOX 1805
 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME X-RAY MINERALOGY OF DEEP SEA CORES
 GENERAL GEOGRAPHIC AREA WORLDWIDE OCEAN
 ABSTRACT THE DEEP SEA DRILLING PROJECT AT SCRIPPS INSTITUTION OF OCEANOGRAPHY IS UNDERTAKEN ON THE ADVICE OF THE JOINT OCEANOGRAPHIC INSTITUTIONS FOR DEEP EARTH SAMPLING (JOIDES). TO DATE DSDP HAS TAKEN GEOLOGICAL AND GEOPHYSICAL DATA FROM THE DRILLING SHIP GLOMAR CHALLENGER AT 383 SITES OVER THE WORLD OCEANS. ORIGINAL DATA FROM THE PROJECT ARE INDEXED AND ARCHIVED BY THE INFORMATION HANDLING GROUP. DETAILS OF THE PROCESSING AND RETRIEVAL METHODS AND CAPABILITIES ARE OUTLINED IN A SERIES OF NOTES AVAILABLE FROM THE GROUP. EACH TYPE OF DATA OBTAINED DURING THE PROJECT IS MAINTAINED AS A SEPARATE FILE. X-RAY DIFFRACTION TECHNIQUES ARE USED TO DETERMINE RELATIVE MINERAL ABUNDANCES OVER EACH CORED INTERVAL
 NAME COORDINATING STAFF SCIENTIST
 PHONE NUMBER 714 452 3526
 INSTITUTION OR AGENCY DEEP SEA DRILLING PROJECT, SCRIPPS INSTITUTION OF OCEANOGRAPHY
 STREET P.O. BOX 1529
 CITY LA JOLLA
 STATE CALIFORNIA
 ZIP CODE 92093

FILE NAME YEARLY SUMMARIES OF CONTROL TIDAL STATIONS
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, NORTH PACIFIC, U.S., COASTAL, ALASKA, ATLANTIC COAST, PACIFIC COAST, GULF OF MEXICO, ATLANTIC AND CARIBBEAN ISLANDS, PACIFIC ISLANDS
 ABSTRACT SUMMARIES OF DATA TAKEN AT CONTROL TIDE STATIONS ARE INCLUDED IN THIS FILE. PARAMETERS DESCRIBED ARE MONTHLY MEANS AND EXTREMES, HIGHEST TIDES, LOWEST TIDES, HIGH WATER INTERVAL (GREENWICH), LOW WATER INTERVAL (GREENWICH), HIGH WATER, LOW WATER, RANGE, TIDE LEVEL, SEA LEVEL, DIFFERENCE BETWEEN TIDE LEVEL AND SEA LEVEL, AND HIGHEST DAILY SEA LEVEL. THE DATA IS PRESENTED IN TABULAR FORM WITH EACH PAGE CONTAINING ONE PARAMETER MEASURED OVER A NUMBER OF YEARS.
 NAME CHIEF, TIDES BRANCH
 PHONE NUMBER 301 456 8468
 INSTITUTION OR AGENCY NATIONAL OCEAN SURVEY
 STREET 6001 EXECUTIVE BOULEVARD
 CITY ROCKVILLE
 STATE MARYLAND
 ZIP CODE 20852

FILE NAME YIELD AND GROWTH OF CORN AS AFFECTED BY POLLTRY MANURE
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY
 ABSTRACT PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING FIELD STUDIES CONDUCTED IN SOUTHERN DELAWARE FROM 1971 TO 1973 TO DETERMINE THE EFFECT OF SEVERAL CONCENTRATIONS OF POLLTRY MANURE ON THE GROWTH OF CORN, ZEA MAYS, IN AN ELMIRA SANDY LOAM SOIL. MEASURED PARAMETERS INCLUDE LEAF MINERALS, NITROGEN FRACTIONS, ORGANIC ACIDS AND TOTAL ETHANOL SOLUBLE SUGARS; LEAF WATER POTENTIAL; LEAF AREA INDEX; SOIL SALINITY AND SOIL MINERALS.
 NAME MCFARIS LIBRARY
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME ZOOLOGICAL COLLECTION
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U. S., NEW YORK
 ABSTRACT THE COLLECTIONS OF THE NEW YORK STATE MUSEUM ARE THE LARGEST SCIENTIFIC COLLECTIONS IN NEW YORK, NORTH OF NEW YORK CITY. THEY ARE USED FOR RESEARCH AND INSTRUCTION FOR SCHOOLS AND COLLEGES AS WELL AS FOR INDIVIDUAL SCIENTISTS. THE ZOOLOGICAL COLLECTION CONTAINS APPROXIMATELY 250,000 SPECIMENS. THE FISH COLLECTION FORMS A LARGE PART WITH 200,000 SPECIMENS, MAINTAINED IN EARTHENWARE CRACKS. THE COLLECTION IS BEING TRANSFERRED TO GLASS JARS FOR GREATER EASE OF STUDY. A LARGE AND INTERESTING INVERTEBRATE COLLECTION OF 23,100 IS AVAILABLE. IT CONSISTS OF AN OUTSTANDING COLLECTION OF CRAYFISH, WHICH CONSISTS OF 2000 SPECIMENS. THE BIRD COLLECTION CONSISTS OF 2500 SETS OF EGGS IN A NEARLY COMPLETE COLLECTION OF ALL SPECIES IN THE UNITED STATES, AS WELL AS NEW YORK STATE. IN ADDITION THE ZOOLOGICAL COLLECTION CONTAINS AN AMPHIBIAN COLLECTION OF 1800 SPECIMENS A REPTILE COLLECTION OF 1,000 SPECIMENS AND A MAMMAL COLLECTION CONTAINING 6,000 SPECIMENS. THE ZOOLOGICAL COLLECTION BEGAN ABOUT 1850.

NAME DR. HUGO JANNBACK
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 STREET WASHINGTON AVENUE
 CITY ALBANY
 STATE NEW YORK
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FILE NAME ZOOPLANKTON DATA FROM NORFOLK CANYON-JUNE 1973
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF OFF VIRGINIA

ABSTRACT ZOOPLANKTON COMPOSITION, SPATIAL DISTRIBUTION, AND BIOMASS IN NORFOLK CANYON AND NEARBY OPEN SLOPE AREAS. PAIR BONGO SAMPLES, 202 MICRON NET AT 150 METER DEPTH. COMMUNITY STRUCTURE ANALYSIS

NAME GEORGE GRANT
 PHONE NUMBER 804-642-2111
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FILE NAME ZOOPLANKTON IN THE DELAWARE RIVER IN THE VICINITY OF ARTIFICIAL ISLAND
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, U.S., DELAWARE RIVER, COASTAL
 ABSTRACT ZOOPLANKTON SURVEY CONDUCTED TO PROVIDE BASELINE DATA FOR EVALUATION OF SALEM NUCLEAR POWER STATION IMPACT UPON BICTA. QUANTITATIVE AND QUALITATIVE DATA COMPILED. AN ANNUALLY REPETITIVE PROGRAM IS EXPECTED.

NAME VICTOR J. SCHLLER
 PHONE NUMBER 301 378 8069
 INSTITUTION OR AGENCY ICHTHYOLOGICAL ASSOCIATES
 STREET ECX 35 RD 2
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 STATE DELAWARE
 ZIP CODE 19709

FILE NAME ZOOPLANKTON IN TWO DELAWARE ESTUARIES IN RELATION TO WATER QUALITY
 GENERAL GEOGRAPHIC AREA NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, BROCKKILL RIVER, MURDERKILL RIVER

ABSTRACT THIS FILE CONTAINS CHEMICAL, PHYSICAL, AND ECOLOGICAL DATA 8 STATIONS IN THE BROCKKILL AND MURDERKILL RIVERS TAKEN AS PART OF A STUDY OF POLLUTIONS RELATED CHANGES IN THE BROCKKILL RIVER. DATA REPORTED INCLUDES SALINITY, TEMPERATURE, TURBIDITY, HYDROGEN ION CONCENTRATION, DISSOLVED OXYGEN, INORGANIC NITROGEN, PHOSPHORUS, CHLOROPHYLL, ZOOPLANKTON, LARVAL INVERTEBRATES, CLADOCERANS, ROTIFERS AND OTHER MINOR ARTHROPOD GROUPS

NAME REFERENCE LIBRARIAN
 PHONE NUMBER 302 738 2455
 INSTITUTION OR AGENCY UNIVERSITY OF DELAWARE
 STREET MORRIS LIBRARY
 CITY NEWARK
 STATE DELAWARE
 ZIP CODE 19711

FILE NAME ZOOPLANKTON OF CHESAPEAKE BAY, AGNES SPECIAL CRUISES
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA

ABSTRACT HYDROGRAPHIC AND ZOOPLANKTON BIOLOGICAL MEASUREMENTS WERE TAKEN AT 40 STATIONS IN THE LOWER CHESAPEAKE BAY FOR 7 WEEKS AT 13 OF THE STATIONS EACH WEEK TO DETERMINE THE EFFECTS OF HURRICANE AGNES. THE WEEKLY BIOLOGICAL MEASUREMENTS WERE TAKEN FROM OBLIQUE SURFACE TO BOTTOM TOWS

NAME GEORGE GRANT
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FILE NAME ZOOPLANKTON OF LOWER CHESAPEAKE BAY
 GENERAL GEOGRAPHIC AREA U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA
 ABSTRACT ZOOPLANKTON MEASUREMENTS FROM 25 MONTHLY STATIONS FOR 2 YEARS IN THE LOWER CHESAPEAKE BAY. AN 8 IN. BONGO NET WAS USED ON AN OBELIQUE SURFACE TO BOTTOM TOW. ACCOMPANYING HYDROGRAPHIC DATA WERE ALSO TAKEN
 NAME GEORGE GRANT
 PHONE NUMBER 703-642-2111
 INSTITUTION OR AGENCY VIRGINIA INSTITUTE OF MARINE SCIENCE
 CITY GLOUCESTER POINT
 STATE VIRGINIA
 ZIP CODE 23062

FILE NAME 133 SURFACE HOURLY AND SPECIALS 4331
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MARYLAND, NEW JERSEY, NEW YORK, PENNSYLVANIA, VIRGINIA, WEST VIRGINIA
 ABSTRACT THIS FILE CONTAINS ALL SURFACE OBSERVATIONS RECORDED INCLUDING RECORD, RECORD-SPECIAL, SPECIAL, LOCAL EXTRA, CRASH AND CHECK OBSERVATIONS FROM 43 STATIONS FOR THE PERIOD JUNE 1951-DECEMBER 1958 LOCATED WITHIN A 100 MILE RADIUS OF JFK INTERNATIONAL AIRPORT, NEW YORK, NEW YORK, WASHINGTON NATIONAL AIRPORT, DISTRICT OF COLUMBIA AND ATLANTIC CITY, NEW JERSEY. HOURS 00-23 AND MINUTES 00-59 PAST THE HOUR WERE DIGITIZED. THE DATA ARE AVAILABLE ON FDSIC FILM FROM NCC.
 NAME DIRECTOR, NCC
 PHONE NUMBER 704 254 0561 X0203
 INSTITUTION OR AGENCY NATIONAL CLIMATIC CENTER
 STREET FEDERAL BUILDING
 CITY ASHEVILLE
 STATE NORTH CAROLINA
 ZIP CODE 28801

FILE NAME 1966 COTTONTAIL RABBIT ROADSIDE CENSUS-TO-1976
 COTTONTAIL RABBIT ROADSIDE CENSUS
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW JERSEY
 ABSTRACT SIZES OF THE COTTONTAIL RABBIT POPULATION THROUGHOUT NEW JERSEY HAVE BEEN STUDIED ANNUALLY DURING THE MONTH OF JULY SINCE 1966 THROUGH ROADSIDE CENSUS COUNTS.
 NAME PRINCIPAL WILDLIFE BIOLOGIST
 PHONE NUMBER 609 292 6666
 INSTITUTION OR AGENCY NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF FISH, GAME AND SHELLFISHERIES, BUREAU OF WILDLIFE MANAGEMENT
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 CITY TRENTON
 STATE NEW JERSEY
 ZIP CODE 08625

FILE NAME 8 AREA-WIDE WASTE TREATMENT MANAGEMENT
 GENERAL GEOGRAPHIC AREA NORTH AMERICA, U.S., NEW YORK, NEW YORK CITY
 ABSTRACT THE OVERALL OBJECTIVES OF THIS PROJECT IS TO PROVIDE DATA FOR A RATIONAL DECISION MAKING APPROACH TO THE COMPLEX WATER QUALITY PROBLEMS (CHEMICAL, BIOLOGICAL, PHYSICAL PROPERTIES) FACED BY N.Y.C. DURING THE REMAINDER OF THIS CENTURY. CURRENTLY, THE ONLY DATA AVAILABLE IS BASED ON A "STEADY-STATE MODEL" WITHOUT TAKING ACCOUNT OF STORMS OR TIDES. DATA HAS BEEN OBTAINED ON: (A) WASTEWATER DISCHARGES, (B) RECEIVING WATER QUALITY, (C) WATER QUALITY PROFILES OF THE HARBORS (NYC HARBORS) TO SUPPLEMENT THE HISTORICAL NYC HARBOR SURVEYS.
 NAME MR. WILLIAM PRESSMAN
 PHONE NUMBER 212 566 4127
 INSTITUTION OR AGENCY DEPARTMENT OF WATER RESOURCES
 STREET 2447 MUNICIPAL BUILDING
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 STATE NEW YORK
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