

EPA 903/9-78-028



APPENDIX IX  
WETLANDS ALTERATION

U.S. Environmental Protection Agency  
Region III Information Resource  
Center (3PM52)  
841 Chestnut Street  
Philadelphia, PA 19107

A Report  
under EPA Contract No. 68-01-3994

October 1978

Chesapeake Research Consortium, Incorporated

prepared by

University of Maryland,  
Center for Environmental and Estuarine Studies

and

Virginia Institute of Marine Science

EPA Report Collection  
Information Resource Center  
US EPA Region 3  
Philadelphia, PA 19107

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Chesapeake Research Consortium, Incorporated

1419 Forest Drive, Suite 207  
Annapolis, Maryland 21403  
(301) 263-0884

The Johns Hopkins University  
University of Maryland  
Smithsonian Institution  
Virginia Institute of Marine Science

CHESAPEAKE BAY PROGRAM  
2083 WEST STREET - SUITE 5G  
ANNAPOLIS, MARYLAND 21401

COPY #2



U.S. Environmental Protection Agency  
Region III Information Resource  
Center (3PM52)  
841 Chestnut Street  
Philadelphia, PA 19107

CHESAPEAKE BAY BASELINE DATA ACQUISITION

WETLANDS ALTERATION

Contract No. 68-01-3994

between

U. S. Environmental Protection Agency

and

Chesapeake Research Consortium, Incorporated

October 1978

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Chesapeake Research Consortium, Incorporated

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*The Johns Hopkins University  
University of Maryland  
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## INTRODUCTION

This report forms one of several appendices which are the body of the Chesapeake Bay Baseline Data Acquisition Final Report. These appendices are as follows:

Appendix I. A Chesapeake Bay Directory

Appendix II. Submerged Aquatic Vegetation

Appendix III. Toxics in the Chesapeake Bay

Appendix IV. Eutrophication

Appendix V. Shellfish Bed Closures

Appendix VI. Dredging and Spoil Disposal

Appendix VII. Modification of Fisheries

Appendix VIII. Hydrologic Modifications

Appendix IX. Wetlands Alteration

Appendix X. Effects of Boating and Shipping  
on Water Quality

Appendix XI. Shoreline Erosion

This report comprises three sections as follows:

Annex I. contains scientists presently engaged  
in research in this field.

Annex II. is an indexed listing of data files pertinent to the Chesapeake Bay and adjacent coastal states.

Annex III. summarizes the monitoring efforts as derived from Annex II.

The source material for appendices IV-XI includes minimal material based on interviews, field work and verification. Efforts were directed to determining researchers and their activities from "A Chesapeake Bay Directory" only. For each of the eight subject areas, a key word list was also formulated and the respective pertinent data files compiled from the Environmental Data Base Directory. These files served as the primary source for the monitoring programs section.

**ANNEX I**

**Directory of Researchers**

**Wetlands Alteration**

This "Directory of Researchers" contains a listing of scientists who are presently working in this field, their affiliations and their specific research activities. The information was compiled from "A Chesapeake Bay Directory" by A. McErlean et al. which was published as a partial fulfillment of this contract.

For researchers and research activities in other national and international areas the reader is referred to the "International Directory of Marine Scientists," issued by the Food and Agriculture Organization of the United Nations in 1977. Copies of this directory are available at the following locations:

EPA Region III  
Chesapeake Bay Program Office  
Curtis Building  
6th and Walnut Streets  
Philadelphia, PA 19106

Chesapeake Research Consortium  
1419 Forest Drive  
Suite 207  
Annapolis, MD 21403

University of Maryland, Center for Environmental and  
Estuarine Studies  
ATTN: Karen Rutledge  
P. O. Box 775  
Horn Point Rd.  
Cambridge, MD 21613

Virginia Institute of Marine Science  
ATTN: Thomas Lochen  
Gloucester Point, VA 23062

ANNEX I

Directory of Researchers

Wetlands Alteration

Anderson, R. R. American University	Wetlands, remote sensing - Chesapeake Bay.
Banard, T. Virginia Institute of Marine Science	Coastal resources management.
Banta, W. American University	Wetlands ecology.
Batie, S. Virginia Polytechnic Institute and State University	Wetlands evaluation, economic impact of coastal zone land use.
Bender, M. E. Virginia Institute of Marine Science	Eutrophication, algal ecology, water quality criteria for aquatic life.
Bieri, R. H. Virginia Institute of Marine Science	Oceanography, environmental sciences.
Boon, J. D., III. Virginia Institute of Marine Science	Littoral processes, hydrodynamics of coastal inlets, tides and currents.
Boynton, W. R. Chesapeake Biological Laboratory, University of Maryland	Phytoplankton production, detritus utilization and nutrient cycling - Chesapeake Bay.
Cones, H. N., Jr. Christopher Newport College	Wetlands ecology.
Cuemar, M. K. Virginia Institute of Marine Science	Environmental chemistry.

Dawes, G. M. Virginia Institute of Marine Science	Coastal resources management.
Eberhart, R. Applied Physics Laboratory, The Johns Hopkins University	Power plant siting evaluation.
Ellison, R. University of Virginia	Marsh and estuarine ecology.
Fanning, D. S. University of Maryland	Soil-vegetation relationships in tidal marshes.
Foss, J. E. University of Maryland	Soil-vegetation relationships in tidal marshes.
Haven, D. S. Virginia Institute of Marine Science	Physiology of mollusks, natural sediments of oyster bars.
Higman, D. Chesapeake Bay Center for Environmental Studies, Smithsonian Institution	Wetlands mapping, effects of wetland disturbances - Chesapeake Bay.
Huggett, R. J. Virginia Institute of Marine Science	Heavy metals, pesticides, oil pollution, water quality criteria.
Kator, H. I. Virginia Institute of Marine Science	Microbiology of estuaries and marshlands.
Kerwin, J. A. Patuxent Wildlife Research Center, United States Fish and Wildlife Service	Tidal marsh ecology.
Merriner, J. V. Virginia Institute of Marine Science	Ecology of estuarine fishes, culture and rearing of estuarine fishes.
Munday, J. C., Jr. Virginia Institute of Marine Science	Remote sensing of environmental water quality, coastal circulation.

Musselman, L. Old Dominion University	Aquatic and wetland plants.
Odum, W. University of Virginia	Marsh and estuarine ecology and coastal zone land use planning.
Silberhorn, G. M. Virginia Institute of Marine Science	Wetlands ecology, evaluation of land use development with respect to natural vegetation.
Stevenson, J. C. Horn Point Environmental Laboratories, University of Maryland	Marsh ecology - Chesapeake Bay.
Ware, D. M. E. Virginia Institute of Marine Science	Wetland plants, botany.
Wass, M. L. Virginia Institute of Marine Science	Benthic ecology, wetlands ecology.
Webb, K. L. Virginia Institute of Marine Science	Plant physiology and ecology.
Wetzel, R. L. Virginia Institute of Marine Science	Ecosystem modeling, wetlands, energetics.
Wise, E. S. Christopher Newport College	Wetlands ecology, coastal zone management.
Zieman, J. University of Virginia	Seagrass ecology.

**ANNEX II**

**Data Files**

**Wetlands Alteration**

**ANNEX II**

**Data Files**

**Part A**

**Data Files**

**Wetlands Alteration**

The data files included in this section are arranged by EDBD accession number. This number should be used in inquiries to EDBD or in specific citations of files. However, for the purposes of this report, these files were assigned unique page numbers.

Files of areas adjacent to the Chesapeake Bay such as North Carolina, Delaware, New Jersey and Pennsylvania have been included when encountered.

## ENVIRONMENTAL DATA INDEX

THE ENCLOSED LISTING IS A SELECTION OF FILE DESCRIPTIONS FROM THE INDEX SYSTEM. ITS PURPOSE IS TO GUIDE USERS WITH REQUIREMENTS FOR HISTORICAL ENVIRONMENTAL DATA TO HOLDERS OF THESE DATA. THIS OUTPUT WAS SELECTED FROM THE ENTIRE FILE BASED ON CERTAIN CRITERIA SPECIFIED BY THE USER. THESE CRITERIA ARE REPEATED BELOW:

EDBD

THE OUTPUT IS IN TWO PARTS. FIRST IS A LISTING OF ALL THE EDBD'S SELECTED, PRINTED IN ID NUMBER ORDER. AT THE BACK OF EACH OUTPUT MAY BE A CROSS-INDEX, LISTING SUCH THINGS AS WHICH FILE DESCRIPTIONS DESCRIBE DATA COLLECTED ON EACH PLATFORM TYPE, OR WHICH FILE DESCRIPTIONS HAVE DATA IN EACH GRID LOCATOR. THIS SECTION WILL VARY DEPENDING ON THE REQUIREMENTS OF THE USER. THE ID NUMBER IS IN THE UPPER LEFT CORNER OF EACH FILE DESCRIPTION. THE FOLLOWING IS AN EXPLANATION OF FIELDS ON EACH PAGE.

FILE NAME -- TOP CENTER OF PAGE. IDENTIFIED BY DATA HOLDER. ALSO, TIME RANGE OF DATA COLLECTION.  
PROJECTS -- LIST OF PROJECTS UNDER WHICH DATA CONTAINED IN FILES MAY HAVE BEEN COLLECTED.  
GENERAL GEOGRAPHIC AREA -- BEGINS WITH CONTINENT OR OCEAN IN WHICH DATA WERE COLLECTED AND DESCRIBES SMALLER AND SMALLER AREAS TO GIVE USER A GENERAL AREA OF DATA COLLECTION.  
ABSTRACT -- CONTAINS GENERAL INFORMATION ABOUT WHY THE DATA WERE COLLECTED AND WHERE, METHODS OF ANALYSIS AND PERTINENT CONCLUSIONS.  
DATA AVAILABILITY -- CONTAINS RESTRICTIONS ON DATA USE, IF BLANK IT MEANS THERE ARE NO KNOWN RESTRICTIONS.  
PLATFORM TYPES -- LIST OF TYPES OF PLATFORMS (IF ANY) USED TO COLLECT DATA.  
ARCHIVE MEDIA -- MEDIA ON WHICH DATA ARE STORED AND A ROUGH ESTIMATE OF THE SIZE OF THE FILE.  
FUNDING -- ORGANIZATION FUNDING THE DATA COLLECTION (IF KNOWN).  
INVENTORY -- WHEN DETAILED INFORMATION ON STATION LOCATIONS, COUNTS OF OBSERVATIONS/SAMPLES, ETC. ARE AVAILABLE, IT WILL BE DENOTED HERE.  
PUBLICATIONS -- PUBLICATIONS RESULTING FROM THIS DATA SET (LIST IS SOMETIMES CONDENSED).  
CONTACT -- NAME, ADDRESS AND PHONE NUMBER OF PERSON TO CONTACT TO OBTAIN FURTHER INFORMATION OR ACTUAL COPIES OF DATA.  
GRID LOCATOR -- A SERIES OF NUMBERS, USE TO MAKE GEOGRAPHIC RETRIEVAL POSSIBLE ON A COMPUTER. LATITUDE AND LONGITUDE ARE COMBINED INTO A SINGLE NUMBER. THE WORLD METEOROLOGICAL ORGANIZATION (WMO) CODE IS USED TO IDENTIFY AREAS WHEREL DATA WERE COLLECTED. THIS MAY BE A 4, 6, 8, OR 10 DIGIT NUMBER DEPENDING ON WHETHER THE DATA HOLDER CHOSE TO IDENTIFY AREAS DOWN TO 10-DEGREE SQUARES OF LATITUDE AND LONGITUDE OR TO 1-DEGREE, 10-MINUTE, OR 1-MINUTE SQUARES. FOR A 4-DIGIT GRID LOCATOR THE NUMBERS ARE AS FOLLOWS:  
DIGIT 1 -- QUADRANT OF WORLD: 1=NE, 3=SE, 5=SW, 7=NW.  
DIGIT 2 -- TENS DIGIT OF LATITUDE.  
DIGITS 3/4 -- HUNDREDS AND TENS DIGITS OF LONGITUDE.  
THUS 7408 WOULD BE THE 10-DEGREE SQUARE OF WHICH THE POINT 40N AND 08W IS THE LOWER RIGHT HAND CORNER.  
FOR A SIX DIGIT NUMBER, DIGITS 5 AND 6 REPRESENT THE UNITS DIGITS OF LATITUDE AND LONGITUDE. THUS 740825 WOULD IDENTIFY THE 1-DEGREE SQUARE OF 42N AND 085W.  
WITH AN 8-DIGIT NUMBER, 74082534 REPRESENTS THE SQUARE AT 42°-DEGREES, 30-MINUTES NORTH AND 085°-DEGREES, 40-MINUTES WEST, OR 10-MINUTE SQUARE.

THE SMALLEST AREA IDENTIFIED IN THE SYSTEM IS A 1-MINUTE SQUARE, OR A 10-DIGIT GRID LOCATOR (E.G., 7408253415 IS 42-DEGREES 31-MINUTES NORTH AND 085-DEGREES, 45-MINUTES WEST). PARAMETER IDENTIFICATION SECTION -- THIS PORTION OF THE FILE DESCRIPTION CONTAINS A LIST OF PARAMETERS MEASURED. THE SPHERE IT WAS MEASURED IN, THE METHODS USED AND THE UNITS OF MEASUREMENT. IN ADDITION, SUCH INFORMATION AS THE NUMBER OF MEASUREMENTS OF EACH PAF-METER AND THE FREQUENCY (IF REGULARLY SPACED) ARE REPORTED. A SPECIALIZED INDEX VOCABULARY IS AVAILABLE DEFINING THE PARAMETER, SPHERE, AND METHOD TERMS USED.

QUESTIONS CONCERNING THIS OUTPUT SHOULD BE RELAYED TO THE NODC OCEANOGRAPHIC SERVICES BRANCH (202) 634-7500 OR TO THE DATA INDEX BRANCH (202) 634-7298.

00003C

WETLANDS WATCH STUDIES  
DATA COLLECTED: MAY 1972 TO MAY 1972

PAGE C1  
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:

U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, NEW JERSEY. REF ID: C1H

ABSTRACT:

MISSION W128, 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.  
(MISSION W128, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

PHOTOGRAPHS  
267 70MM B/W FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR ( LAT ):  
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	.....
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS	.....	9 FLIGHT LINES
PHOTOGRAPH	EARTH	IR CAMERA FROM	PHOTOGRAPHS	210	OBS	4500 FT	152 MM FOCAL LENGTH
		AIRCRAFT					

## PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, ELKTON

## ABSTRACT:

MISSION W131, FLT. 2 WITH WALLOPS 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.  
(MISSION W131, FLT 2 )

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

## ARCHIVE MEDIA:

PHOTOPRINTS  
214 9" X 9" FRAMES.

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS, AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730796 730795

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	SAP LOCATION	1	STATIONS	9	FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS		
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	214	OBS	112 OBS AT 6 INCH FOCAL LENGTH	

000047

RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES  
DATA COLLECTED: JUNE 1972 TO JUNE 1972

PAGE 01  
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:

MISSION W146, FLT. 1, JUNE 26, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS, IN COOPERATION WITH CHESAPEAKE BAY CTR. FOR ENVIRONMENTAL STUDIES. OBJECTIVE-TO CORRELATE GROUND TRUTH INFORMATION WITH REMOTE SENSED IMAGERY FOR VEGETATIVE GROWTH CHARACTERISTICS, SOIL CONDITIONS, SURFACE WATER LOCATIONS, AND DRAINAGE PATTERNS. LIGHT OVERCAST AND SLIGHT HAZE. AIR TEMP. 20 DEG. C AT 1500 FT., MSL WITH WIND OF 8 KNOTS FROM 300 DEG.  
(MISSION W146, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

\* ARCHIVE MEDIA:  
> 100 PRINTS  
268 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR ( LAT ):  
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	268	OBS	1500 FT	152 MM FOCAL LENGTH

00004c

TROPICAL STORM "AGNES" FLOOD STUDY OF THE JAMES RIVER

DATA COLLECTED: JUNE 1972 TO JUNE 1972

RECEIVED: JANUARY 01, 1976

PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER

ABSTRACT:  
MISSION W146, FLT. 2, JUNE 26, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS. IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. OBJECTIVE - TO ACQUIRE BLACK & WHITE AIRBORNE IMAGERY TO ASSESS THE FLOODING EFFECTS AND DAMAGE CREATED BY TROPICAL STORM "AGNES" ALONG THE JAMES RIVER. FLIGHT IN GOOD WEATHER, SOME OVERCAST, SLIGHT HAZE, AIR TEMP. 20 DEG. C AT 3000 FT., MSL WITH WIND OF 10 KNOTS FROM 160 DEG., SLIGHT MALFUNCTION IN CAMERA 2 WHICH CAUSED LAG OF FRAMES.  
(MISSION W146, FLT 2 )

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
280 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS	.....	.....
PHOTOGRAPH	EARTH	BLACK AND WHITE	PHOTOGRAPHS	280	OBS	3000 FT	6 INCH FOCAL LENGTH
		CAMERA FROM	AIRCRAFT				

000060

CHESSAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES VEGETATION IDENTIFICATION  
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: JANUARY 01, 1976 PAGE C1

PROJECTS:

GENERAL GEOGRAPHIC AREA:

U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:

MISSION W119, FLT. 1, APRIL 18, 1972, WITH WALLOPS STATION C-54 AIRCRAFT WITH TWO T-11 AERIAL CAMERAS. IN COOPERATION WITH THE CHESSAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES (CBICES) TO USE VISIBLE AND NEAR INFRARED IMAGERY TO IDENTIFY VEGETATION IN RHODE RIVER WATERSHED. FLIGHT MADE IN CLEAR WEATHER, AIR TEMP. 2 DEG. C AT 12,500 FT., AND 8 DEG. C AT 2500 FT., MSL WITH WIND OF 30 KNOTS FROM 290 DEG. (MISSION NO W119, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
269 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESSAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	11 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	14	STATIONS	.....	.....
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	269	OBS	24 OBS AT 12500 FT, 245 OBS AT 2500 FT	6 INCH FOCAL LENGTH

00006:

U S PARK SERVICE NORTH CAROLINA, VIRGINIA, AND MARYLAND OUTER BANK STUDIES  
DATA COLLECTED: APRIL 1972 TO APRIL 1972 RECEIVED: JANUARY 01, 1976 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:

U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, MARYLAND, NORTH CAROLINA OUTER BANKS

ABSTRACT:

MISSION W120, FLT. 1, ACCOMPLISHED WITH WALLOPS 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.  
(MISSION NO W120, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
339 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730775 730755

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	11 FLIGHT LINES	
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS		
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	239	OBS	138 OBS AT 6 INCH FOCAL LENGTH 6000 FT, 201 OBS AT 10000 FT	
		FROM AIRCRAFT					

000062

SHORELINE STUDY, SMITHSONIAN INSTITUTION  
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: JANUARY 01, 1976 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:

MISSION W122, FLT. 1, APRIL 21, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ATT-11 AERIAL CAMERA IN COOPERATION WITH CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. OBJECTIVE - TO RECORD VARIATIONS IN LOCATION OF SHORE-LINE OF RHODE RIVER ESTUARY BY USE OF AERIAL PHOTOGRAPHY IN CONJUNCTION WITH GROUND MEASUREMENTS. FLIGHT MADE IN CLOUD-FREE WEATHER WITH MODERATE HAZE, VISIBILITY 5-7 MILES, AIR TEMP. 0 DEG. C AT 5000 FT., MSL WITH WIND OF 10 KNOTS FROM SWE.  
(MISSION NO W122, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
42 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	.....
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS	.....	3
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	42	OBS	5000 FT	6 INCH FOCAL LENGTH

000068

CHINCOTEAGUE BAY OVERFLIGHT  
DATA COLLECTED: APRIL 1972 TO APRIL 1972

PAGE 01  
RECEIVED: JANUARY 01, 1976

PROJECTS:

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 WALLOPS 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 290 DEG. (MISSION NO W124, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

PHOTOPRINTS  
123 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONS I 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 233337

GRID LOCATOR (LAT):  
730775 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	3 FLIGHT LINES	
TIME	EARTH	SAMPLING TIME	YMDHMSL	3	STATIONS	152 MM FOCAL	
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	103	OBS	LENGTH	7000 FT

000069

MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS WETLANDS STUDIES  
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: JANUARY 01, PAGE 01  
RECEIVED: JANUARY 01, 1976

PROJECTS:

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 AIRBORNE 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. (MISSION NO W125, FLT 1)

DATA AVAILABILITY:

PLATFCRM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
155 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730796 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	.....
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS	.....	9 FLIGHT LINES
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	228	OBS	136 OBS AT 10000 FT, 92 OBS AT 2500 FT	6 INCH FOCAL LENGTH

## PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

## ABSTRACT:

MISSION W126, FLT. 1, MAY 5, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS, IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF SMITHSONIAN INSTITUTE, OBJECTIVE - TO OBTAIN SPRING IMAGERY OF MARSH AND BASIN VEGETATION FOR USE IN MAKING SPECTRAL COMPARISONS OF SAME PLANTS THROUGHOUT GROWING SEASON. FLIGHT MADE WITH GOOD VISIBILITY, SCATTERED CLOUD COVERAGE, AIR TEMP. 16 DEG. C AT 2500 FT., 12 DEG. C AT 10,000 FT., MSL WITH WIND OF 15 KNOTS FROM 290 DEG.  
(MISSION NO W126, FLT 1)

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
229 9" X 9" FRAMES.

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730786

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	FREQUENCY	DATA AMOUNT	STATIONS	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	MAP LOCATION	MAP	.....	.....	.....	.....	9 FLIGHT LINES
TIME	EARTH	FIXED POINT	POINT	.....	.....	.....	.....	.....
PHOTOGRAPH	EARTH	SAMPLING TIME	TIME	.....	.....	.....	.....	.....
		COLOR CAMERA	PHOTOGRAPHS	.....	208 OBS AT 2500 FT, 21 OBS AT 10000 FT	208	152 MM FOCAL LENGTH	.....

000073

DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-SOMBIDGE RIVER, DELAWARE AND BEAVER  
PAGE 01

DAM RIVER, MARYLAND  
DATA COLLECTED: JULY 1973 TO JULY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:  
LANDSAT

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, BEAVER DAM RIVER; SOMBIDGE RIVER

ABSTRACT:

MISSION W237: FLT. 1, JULY 25, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND 125 MULTISPECTRAL CAMERA SYSTEM IN COOPERATION WITH WATER RESOURCES DIV. OF U. S. GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN MULTISPECTRAL IMAGERY OF SOMBIDGE AND BEAVER DAM RIVERS PERIODICALLY FOR USE IN COMPILED 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 5500 FT., MSL WITH WIND OF 10-15 KNOTS FROM 225 DEG. (MISSION NO W237, FLT 1)

DATA AVAILABILITY:

PLATFCRM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
75 9" X 9" AND 2.7" X 2.7" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:  
PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
30786 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS	.....	152 MM AND 100 MM FOCAL LENGTH, 12-S
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	75	DBS	55 OBS AT 220 FT, 20 OBS AT 9500 FT	MULTISPECTRAL

000150

SUSQUEHANNA FLATS DREDGE ISLANDS

DATA COLLECTED: JANUARY 1966 TO PRESENT

PAGE 01

RECEIVED: NOVEMBER 07, 1973

## PROJECTS:

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, SUSQUEHANNA FLATS

**ABSTRACT:** SMALL SCALE SURVEY TO DOCUMENT THE FLORAL SUCCESSION ON DREDGE SPOIL ISLANDS IN SUSQUEHANNA FLATS. BIRD SPECIES LISTS COMPILED FROM 3 VISITS PER YEAR SINCE 1966.

**DATA AVAILABILITY:**  
COST OF DUPLICATION

## PLATFORM TYPES:

## ARCHIVE MEDIA:

DATA SHEETS  
1 4 INCH NOTEBOOK

## FUNDING:

MARYLAND WILDLIFE ADMINISTRATION, DNR

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

VERNON STOTTS 301-267-5195  
MARYLAND DEPARTMENT OF NATURAL RESOURCES  
TOWES STATE OFFICE BUILDING  
ANNAPOLIS MARYLAND USA 21401

## GRID LOCATOR (LAT):

730795 730796

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHER	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	24	STATIONS	3 TIMES PER	
TIME	EARTH	STATION TIME	YMD	24	STATIONS	3 TIMES PER	
SPECIES	LAND	KEY	NUMBER OF SPECIES PER VISIT	24	OBS	3 TIMES PER	MEASUREMENT OF SIZE OF ISLAND BY PACING, RELATED SPECIES TO SIZE
DETERMINATION OF BENTHIC PLANTS	LAND	VISUAL	RELATIVE ABUNDANCE CATEGORIES, RARE, OCCASIONAL, COMMON,	24	OBS	3 TIMES PER	ABOVE MLW
COUNT OF BENTHIC PLANTS	LAND						

00015C

## SUSQUEHANNA FLATS DREDGE ISLANDS (CONT.)

PAGE 02

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF BIRDS	AIR	KEY	ABUNDANT NUMBER OF SPECIES PER VISIT	24	OBS 3 TIMES PER YEAR		LIST INCLUDES SIGHT, TRACK, AND DROPPING IDENTIFICATION

PROJECTS:  
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 71B TO 731. FILE RECEIVED QUANTITATIVE DATA FROM SITE VISIT, 4 SITES RECEIVED QUANTITATIVE SAMPLING: MYSTIC HARBOR, SNUG HARBOR, FRONTIER TOWN, MONTEGO BAY DEVELOPMENT CORPORATION. DATA CROSS REFERENCE TO CASEY FILE IN DNR, FISHERIES ADMINISTRATION. (MARYLAND DEPARTMENT OF NATURAL RESOURCES CROSS INDEX TO JIM CASEY FILE DNR, FISHERIES ADMINISTRATION AND JAMES ALLISON, DNR, WATER RESOURCES ADMINISTRATION )

## DATA AVAILABILITY:

COST OF DUPLICATION

## PLATFCRM TYPES:

## ARCHIVE MEDIA:

DATA SHEETS; REPORTS  
1 3 DRAWER FILE CABINET

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

WILLIAM SIPPLE 301-267-5877  
MARYLAND DEPARTMENT OF NATURAL RESOURCES  
WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BUILDING  
ANNAPOLIS MARYLAND USA 21401

## GRID LOCATOR (LAT):

730785 730787 730795 730796

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	MAP LOCATION	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT		YMD	1500 STATIONS			
TIME	EARTH	STATION TIME		KEY	1500 STATIONS	1 VISIT PER OBS		
SPECIES	LAND	LIST PER SITE			20		1 SITE MINIMUM	
DETERMINATION								INCLUDES VEGETATED WETLANDS AND SUBMERGED AQUATIC PLANTS
OF BENTHIC								SIGHTINGS, TRACKS, DROPPINGS
PLANTS								TALLIED
SPECIES	LAND	KEY			LIST PER SITE	20	1 VISIT PER OBS	DRAW FROM DNR
DETERMINATION								
OF MAMMALS								
COMMUNITY	LAND	CALCULATED	VEGETATIVE AND	500	OBS	1 VISIT PER		

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
<b>STRUCTURE ANALYSIS</b>							
							FAUNAL ASSOCIATES, LISTS OF DOMINANTS
<b>COUNT OF BENTHIC PLANTS</b>							
	LAND	VISUAL		NUMBER PER SPECIES PER QUADRAT AND PER TRANSECT	3	STATIONS	1 VISIT PER SITE MINIMUM
SPECIES DETECTION OF BENTHIC ANIMALS	BOTTOM	KEY		TOTAL SPECIES PER SITE, SPECIES PER QUADRAT, PER TRANSECT, AND PER COMMUNITY TYPE	3	STATIONS	1 VISIT PER SITE MINIMUM
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL		TOTAL NUMBER PER SITE, NUMBER PER SPECIES PER QUADRAT OR TRANSECT	3	STATIONS	1 VISIT PER SITE MINIMUM
<b>DATA FILES FOR WATER QUALITY, FISH, BIRD, AND INVERTEBRATE DATA</b>							
							COMMUNITY TYPING SAMPLES ALLOCATED TO VARIOUS COMMUNITY TYPES PRESENT ON SITE
<b>UCA, RIBBED MUSSEL, SALTMARSH SNAIL, GULF PERIWINKLE</b>							

11.6

PROJECTS:  
 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.  
 (DISTRIBUTION MAPS ARE PRESENTLY BEING COMPILED.)

DATA AVAILABILITY:  
 COST OF DUPLICATION

PLATFORM TYPES:

ARCHIVE MEDIA:

DATA SHEETS  
 1 FILE CABINET DRAWER

FUNDING:  
 MARYLAND DNR

INVENTORY:

PUBLICATIONS:

CONTACT:

WILLIAM SIPPLE 301-267-5877  
 MARYLAND DEPARTMENT OF NATURAL RESOURCES  
 WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BUILDING  
 ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):  
 730785 730787 730795 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	500	STATIONS		
TIME	EARTH	STATION TIME	YMD	500	STATIONS		
SPECIES	LAND	KEY	PRESENT OR ABSENT	200	OBS		
DETERMINATION							RECORD OF INCIDENCE DURING SITE VISIT FOR WETLAND ASSESSMENT AND SPECIFIC DISTRIBUTION
OF BENTHIC PLANTS							DATA COLLECTION TRIPS, RANDOM WALK THROUGH

00015;

PAGE 02

## CHECKLIST OF VASCULAR PLANTS ASSOCIATED WITH TIDAL WETLANDS IN MARYLAND (CONT.)

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS	AREA
ALTITUDE	LAND	DIRECT	ABOVE AND BELOW LINE OF TIDAL AMPLITUDE	300	OBS			
BOTTOM TYPE	BOTTOM	VISUAL	DOMINANT SOIL TYPE OR MIXTURE OF SAND, CLAY, SILT	300	OBS			
COMMUNITY STRUCTURE ANALYSIS	LAND	CALCULATED	DOMINANT PLANT SPECIES, HABITAT CLASSIFICATION	300	OBS			

000158

WETLAND BOUNDARY MAPS

PAGE 01

DATA COLLECTED: AUGUST 1971 TO AUGUST 1972 RECEIVED: MAY 01, 1976

PROJECTS:

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. PHOTOGRAEMETRIC STANDARDS MET. COLOR AND IR PHOTOS 1 INCH TO 1000 FT SCALE. BLOWUP PRINTS 1 INCH TO 200 FT SCALE. (PHOTOGRAPHS ARE AVAILABLE FOR EXAMINATION IN DNR OFFICES.)

DATA AVAILABILITY:

PHOTOGRAPHS (SCALE 1" = 1000') PURCHASEABLE FROM RAYTHEON AUTOMETRIC, OPERATION WAYLAND, MASSACHUSETTS AND PHOTOSCIENCE INC GAITHERSBURG, MARYLAND. PHOTOMAPS AVAILABLE AT DNR (SCALE 1" = 200'')

PLATFORM TYPES:

AIRCRAFT

ARCHIVE MEDIA:

20 TOPOPRINTS  
1 CUBIC YARD

FUNDING:

STATE OF MARYLAND DNR

INVENTORY:

PUBLICATIONS:

CONTACT:

WILLIAM SIPPLE 301-267-5877  
MARYLAND DEPARTMENT OF NATURAL RESOURCES  
WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BUILDING  
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):  
730785 730787 730795 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2000	STATIONS		
TIME	EARTH	STATION TIME	YMD	2000	STATIONS		
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	SCALE 1 INCH TO 1000 FEET	2000 OBS	ONE TIME		FLIGHTS COVERED ALL LAND AND WATER INTERFACE S IN MARYLAND
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	SCALE 1 INCH TO 1000 FEET	2000 OBS	ONE TIME		FLIGHTS COVERED ALL LAND AND WATER INTERFACE S IN MARYLAND

000163

WOOD DUCK FLOAT CENSUS  
DATA COLLECTED: JUNE 1962 TO PRESENT

RECEIVED: NOVEMBER 14, 1973  
PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, POTOMAC RIVER

ABSTRACT:

COUNTS AND SPECIES DETERMINATION OF WATERFOWL, REPTILES, MAMMALS, BIRDS, AND BENTHIC PLANTS HAVE BEEN MADE EACH JUNE SINCE 1962 ALONG A 180 MILE STRETCH OF THE POTOMAC RIVER. FISHING ACTIVITY IS ALSO NOTED.  
(OBSERVATIONS ARE MADE FROM TWO DRIFTING BOATS, TWO OBSERVERS IN EACH BOAT )

DATA AVAILABILITY:

COST OF DUPLICATION

PLATFORM TYPES:  
SHIP

ARCHIVE MEDIA:  
DATA SHEETS  
ONE FILE DRAWER OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

VERNON STOTTS  
MARYLAND DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):  
730798 730797 730787

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	ONE PER YEAR	2 BOAT DRIFT 180 MILES DOWN THE POTOMAC RIVER, ONE NEAR EACH SHORE; STATION RUNS FROM MCCOOL TO GREAT FALLS
TIME	EARTH	AIR	STATION TIME KEY	1	STATIONS	ONE PER YEAR	TALLIED ALL WOOD DUCKS, WATERFOWL AND DETERMINATION OF BIRDS
SPECIES	NUMBER OF SPECIES	STATIONS	ONE PER YEAR	1	STATIONS	ONE PER YEAR	

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF BIRDS	AIR	VISUAL	NUMBER OF INDIVIDUALS	1	STATIONS	ONE PER YEAR	OTHER BIRDS THAT WERE SIGHTED TALLIED ALL WOOD DUCKS, WATERFOWL AND OTHER BIRDS THAT WERE SIGHTED
COUNT OF REPTILES	WATER	VISUAL	NUMBER OF INDIVIDUALS PER SPECIES	1	STATIONS	ONE PER YEAR	ALL THAT WERE SIGHTED
COUNT OF MAMMALS SPECIES	WATER	VISUAL	NUMBER OF INDIVIDUALS	1	STATIONS	ONE PER YEAR	ALL THAT WERE SIGHTED
DETERMINATION OF MAMMALS	WATER	KEY	NUMBER OF SPECIES	1	STATIONS	ONE PER YEAR	ALL THAT WERE SIGHTED
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	RELATIVE ABUNDANCE	1	STATIONS	ONE PER YEAR	THOSE PLANTS IN THE RIVER
COUNT OF BENTHIC PLANTS	LAND	VISUAL	RELATIVE ABUNDANCE	1	STATIONS	ONE PER YEAR	THOSE PLANTS ON THE BANKS
SPORT FISHERIES ACTIVITIES	WATER	VISUAL	NUMBER OF INDIVIDUALS	1	STATIONS	ONE PER YEAR	CLASSIFIED AS TO FISHING FROM BOATS OR FROM BANKS

10/25

000165

VEGETATION MAPPING SURVEY OF STATE OWNED WATERFOWL AREAS  
DATA COLLECTED: JULY 1958 TO PRESENT

PAGE 1  
RECEIVED: NOVEMBER 14, 1973

PROJECTS:

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.  
(PITTMAN ROBERTSON PROJECT, BUREAU OF SPORT FISHERIES AND WILDLIFE )

DATA AVAILABILITY:

COST OF DUPLICATION

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

DATA SHEETS; PHOTOPRINTS  
Q3E FILE CABINET DRAWER

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

VERNON STOTTS 301-267-5195  
MARYLAND DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):  
730785 730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	50	STATIONS	.....	ADDITIONAL
TIME	EARTH	STATION TIME	YMDH	50	OBS	.....	PHOTOGRAPHS

ARE TAKEN AS APPROPRIATE, ON ANY OF THESE STATIONS BEFORE AND AFTER ANY MANAGEMENT PROJECTS

SPECIES DETERMINATION	LAND	KEY	TYPES OF SPECIES	50	OBS
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## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF BENTHIC PLANTS	COUNT OF BENTHIC PLANTS	LAND	VISUAL	AREA	50	OBS	DISTRIBUTION OF BENTHIC PLANTS, MAP SCALE: 1" TO 660'
COMMUNITY STRUCTURE ANALYSIS	LAND	CALCULATED	CATEGORIES	12	OBS		AREAS ARE DESCRIBED AS BEING IN ONE OF TWELVE CATEGORIES, INDEX OF DOMINANCE

000182:

BOMBAY HOOK NATIONAL WILDLIFE REFUGE BASE LINE STUDY  
DATA COLLECTED: OCTOBER 1970 TO OCTOBER 1970

PAGE 01  
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, DELAWARE BOMBAY HOOK ISLAND

ABSTRACT:

MISSION W029, FLT. 1, OCTOBER 19, 1970, WITH WALLOPS 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 SENSOR 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 28 KNOTS FROM 280 DEG. (MISSION NO W029, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
108 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

GRID LOCATOR ( LAT ):

730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	.....
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	108	OBS	10000 FT	2 FLIGHT LINES 6 INCH FOCAL LENGTH

000183

BLACKWATER WILDLIFE REFUGE BASE LINE STUDY

DATA COLLECTED: OCTOBER 1970 TO OCTOBER 1970

PAGE 01  
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, BLACKWATER WILDLIFE REFUGE

ABSTRACT:

MISSION W029, FLT: 2, OCTOBER 19, 1970, WITH WALLOPS STATION CHARTERED BELL 205 HELICOPTER EQUIPPED WITH A POD OF 4 T-11 AERIAL MAPPING CAMERAS. OBJECTIVE - TO OBTAIN BASE LINE REMOTE SENSOR DATA FOR CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE OVER THE BLACKWATER WILDLIFE REFUGE LOCATED IN THE CHESAPEAKE BAY WETLANDS AREA SOUTH OF CAMBRIDGE, MD. FLIGHT IN CLEAR WEATHER, SLIGHTLY HAZY, AIR TEMP. 10 DEG. C AT 1000 FT. AND 8 DEG. C FROM 10,000 FT., MSL WITH WIND OF 20 KNOTS FROM 280 DEG. (MISSION NO W029, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

3 DOTOPIRINTS  
132 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	4 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	4	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	132	OBS	48 OBS AT 1000 FT, 44 OBS AT 5000 FT, 40 OBS AT 10000 FT	6 INCH FOCAL LENGTH
		FROM AIRCRAFT					

00018c

CHINCOTEAGUE NATIONAL WILDLIFE REFUGE BASE LINE STUDY  
DATA COLLECTED: OCTOBER 1970 TO OCTOBER 1970

RECEIVED: JANUARY 01, 1976 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, CHINCOTEAGUE

ABSTRACT:

MISSION W029, FLT. 3, OCTOBER 19, 1970, WALLOPS STATION CHARTERED BELL 205 HELICOPTER EQUIPPED WITH A POD OF T-11 AERIAL MAPPING CAMERAS. OBJECTIVE - TO OBTAIN REMOTE SENSOR BASE LINE DATA OF ACTIVE WILDLIFE AREAS IN CHINCOTEAGUE - TOM'S COVE - ASSETEAGUE AREA. FLIGHT MADE FOR THE CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE. FLIGHT IN CLEAR WEATHER, AIR TEMP. +8 DEG. -C AT 1000 FT. MSL WITH WIND OF 20 KNOTS FROM 280 DEG. (MISSION NO W029, FLT 3)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
240 PHOTOPRINTS  
256 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-B24-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	256	OBS	54 OBS AT 5000 FT, 202 LENGTH FT	6 INCH FOCAL OBS AT 1000 FT

## PROJECTS:

## GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, VIRGINIA BEACH, LYNNHAVEN

## ABSTRACT:

MISSION W37, FLT. 1, DEC. 7, 1970, WITH WALLOPS STATION CHARTERED HELICOPTER EQUIPPED WITH 4 T-11 AERIAL CAMERAS IN COOPERATION WITH VA. BEACH HEALTH DEPT. OBJECTIVE - TO UTILIZE MULTI-CHANNEL PHOTOGRAPHY TO INVESTIGATE EFFECTS OF SEWAGE DISPOSAL IN ESTUARINE SYSTEMS. FLIGHT IN CLEAR WEATHER, SCATTERED CLOUDS, AIR TEMP. 8 DEG. C AT 4000 FT, MSL WITH WIND OF 25 KNOTS FROM 330 DEG.  
(MISSION NO W37, FLT 1 )

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

## ARCHIVE MEDIA:

PHOTOPRINTS  
152 9" X 9" FRAMES

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

CONTACT: PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR ( LAT ):  
730766

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	152	OBS	4000 FT	6 INCH FOCAL LENGTH
		FROM AIRCRAFT					

000192

INVESTIGATIONS OF MARYLAND'S TIDAL SHORELINES  
DATA COLLECTED: FEBRUARY 1973 TO FEBRUARY 1973

RECEIVED: JANUARY 01, 1976 PAGE 01

PROJECTS:  
ERTS

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, ASSATEAGUE ISLAND TO FENWICK ISLAND

ABSTRACT:

MISSION W188, FLT. 1, FEB. 12, 1973, WITH WALLOPS 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 URBANIZATION, 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.  
(MISSION NO W188, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
235 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

FAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 233337

GRID LOCATOR (LAT):

730787 730786 730796 730775 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	11 FLIGHT LINES	
TIME	EARTH	SAMPLING TIME	YMDHML	1	STATIONS		
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	235	OBS	100 MM AND 152 MM FOCAL LENGTH	

000202

SHOALS AND ISLANDS OFF THE MOUTH OF THE SUSQUEHANNA RIVER  
DATA COLLECTED: AUGUST 1973 TO AUGUST 1973

RECEIVED: JANUARY 01, 1976  
PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, SUSQUEHANNA RIVER, SASSAFRAS RIVER

ABSTRACT:

MISSION W227, FLT. 2, AUGUST 13, 1973, WITH WALLOPS 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. (MISSION NO W227, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
50 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:  
PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730796 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	3 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	3	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	50	OBS	12500 FT	152 MM FOCAL LENGTH
		FROM AIRCRAFT					

00020:

WACHAPREAGUE TIDAL MARSH STUDY  
DATA COLLECTED: JULY 1973 TO JULY 1973

PAGE 01  
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:

MISSION W232, FLT. 1, JULY 24, 1973, WITH WALLOPS 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 PLANT VIGOR OF MARSH GRASSES IN THE FOOL'S GUT 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.  
(MISSION NO W232, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
165 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	165	OBS	133 OBS AT 5000 FT, 32 OBS AT 10000 FT	152 MM FOCAL LENGTH

000206

BLACKWATER NATIONAL WILDLIFE REFUGE WETLANDS MAPPING STUDY

DATA COLLECTED: SEPTEMBER 1973 TO SEPTEMBER 1973

RECEIVED: JANUARY 01, 1976 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, BLACKWATER WILDLIFE REFUGE

ABSTRACT:

MISSION W238, FLT. 1, ACCOMPLISHED ON SEPT. 24, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF SMITHSONIAN INSTITUTE. OBJECTIVE - TO OBTAIN COLOR AND COLOR INFRARED IMAGERY OF BLACKWATER NATIONAL WILDLIFE REFUGE WETLANDS FOR USE IN MAPPING THE WETLAND VEGETATION. (MISSION NO W238, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
130 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 233337

GRID LOCATOR (LAT):  
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	12 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	12	STATIONS	.....	
PHOTOGRAPH	EARTH	IR CAMERA FROM	PHOTOGRAPHS	160	OBS	6000 FT	152 MM FOCAL LENGTH

000221

STREAM IMPROVEMENT PROGRAM FOR ANADROMOUS FISH MANAGEMENT, AFC-3; STREAM  
INVESTIGATION AND IMPROVEMENT  
DATA COLLECTED: SEPTEMBER 1968 TO AUGUST 1970

PAGE 01  
RECEIVED: NOVEMBER 19, 1973

PROJECTS:

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 SPAWNING 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.  
(AVERAGE STREAM WIDTHS AND AVERAGE MIDDLE DEPTHS ESTIMATED OR MEASURED AT VARIOUS INTERVALS ON THE STREAMS; ALSO AVAIL AS SUMMARY REPORT )

DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:

DATA SHEETS  
SEVERAL NOTEBOOKS OF DATA SHEETS AND SUMMARY REPORT.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

C JAY O'DELL 301-267-5361  
DEPARTMENT OF NATURAL RESOURCES, FISHERIES ADMINISTRATION  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):

730796 730795 730786 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	188	STATIONS		MARYLAND
TIME	EARTH	STATION TIME	YMD	188	OBS	EACH STREAM	DRAINAGE STREAMS
LAND USE	LAND	VISUAL	HABITAT TYPE	188	OBS	THE IMMEDIATE SHORE IS DESCRIBED IN GENERAL TERMS	DIVIDED INTO SEGMENTS FOR INVENTORY

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TO DOCUMENT HABITAT TYPE, AND TO DOCUMENT DEVELOPMENTAL STATUS; BARRIERS AND PROBLEM AREAS ARE INVENTORIED AND CLASSIFIED; IMPROVEMENTS WERE MADE TO CERTAIN AREAS OF 36 STREAMS							

036

000222

SURVEY OF ANADROMOUS FISH SPAWNING AREA AFC-8 STREAM INVESTIGATION  
DATA COLLECTED: JULY 1970 TO DECEMBER 1971

RECEIVED: NOVEMBER 19, 1973 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, POTOMAC RIVER

ABSTRACT:

STREAM POTENTIAL FOR ANADROMOUS FISH SPAWNING WAS INVESTIGATED BY SURVEYING HABITAT TYPES AND NOTING PROBLEM AREAS ALONG THE SHORELINES OF 66 STREAMS IN THE UPPER CHESAPEAKE BAY DRAINAGE.  
(STREAMS WIDTHS AND DEPTHS ESTIMATED OR MEASURED AT VARIOUS POINTS ALONG THE WATER COURSES; ALSO AVAIL AS SUMMARY REPORT )

DATA AVAILABILITY:

PLATFORM TYPES:

FIXED STATION

ARCHIVE MEDIA:

DATA SHEETS; MAGNETIC DISC  
DATA STORED ON SEVERAL COMPUTER TAPES; ALSO AVAILABLE AS PRINT ED SUMMARY.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

C JAY O'DELL 301-267-5361  
DEPARTMENT OF NATURAL RESOURCES, FISHERIES ADMINISTRATION  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):

730787 730786 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	110	STATIONS		POTOMAC RIVER DRAINAGE STREAMS
TIME	EARTH	STATION TIME	YMD	110	OBS		EACH STREAM IS DIVIDED INTO SEGMENTS FOR INVENTORY
LAND USE	LAND	VISUAL	HABITAT TYPE	110	OBS		THE IMMEDIATE SHORE IS DESCRIBED IN GENERAL TERMS TO DOCUMENT HABITAT TYPE, ALSO TO

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TEMPERATURE	WATER	THERMISTOR	DEG C	110	OBS		DOCUMENT DEVELOPMENTAL STATUS; BARRIERS AND PROBLEM AREAS ARE INVENTORIED AND CLASSIFIED MEASURED AT EACH SEGMENT
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	110	OBS		

11511

00022:

SURVEY OF ANADROMOUS FISH SPAWNING AREAS AFC-8-3; STREAM INVESTIGATION  
DATA COLLECTED: JANUARY 1972 TO FEBRUARY 1973

RECEIVED: NOVEMBER 19, 1973 PAGE 01

PROJECTS:

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. (STREAMS WIDTHS AND DEPTHS ESTIMATED OR MEASURED AT VARIOUS POINTS ALONG THE WATERCOURSES; ALSO AVAIL AS SUMMARY REPORT)

DATA AVAILABILITY:

PLATFORM TYPES:

FIXED STATION

ARCHIVE MEDIA:

DATA SHEETS; MAGN TIC DISC  
DATA IS BEING TRANSFERRED FROM SEVERAL FILES OF RECORDING FORMS TO COMPUTER TAPES. AVAILABLE ALSO IN A SUMMARY REPORT.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

C JAY O'DELL 301-267-5361  
DEPARTMENT OF NATURAL RESOURCES, FISHERIES ADMINISTRATION  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):

;30796 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	66	OBS		UPPER CHESAPEAKE BAY DRAINAGE STREAMS
TIME	EARTH	STATION TIME	YMD	66	OBS		EACH STREAM IS DIVIDED INTO SEGMENTS FOR INVENTORY
LAND USE	LAND	VISUAL	HABITAT TYPE	66	OBS		THE IMMEDIATE SHORE IS DESCRIBED IN GENERAL TERMS TO DOCUMENT HABITAT TYPE, ALSO TO

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TEMPERATURE	WATER	THERMISTOR	DEG C	66	OBS		DOCUMENT DEVELOPMENTAL STATUS; BARRIERS AND PROBLEM AREAS ARE INVENTORIED AND CLASSIFIED MEASURED AT EACH STREAM SEGMENT
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	66	OBS		MEASURED AT EACH STREAM SEGMENT

000232

SURVEY OF ANADROMOUS FISH SPAWNING AREAS; MAGOTHY, PATAPSCO, BACK, MIDDLE RIVER  
DRAINAGES; STREAM INVESTIGATION  
DATA COLLECTED: JANUARY 1973 TO PRESENT

PAGE 01  
RECEIVED: NOVEMBER 19, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY MARYLAND

ABSTRACT:

100 STREAMS IN MARYLAND WERE INVENTORIED TO IDENTIFY THOSE HAVING POTENTIAL TO SUPPORT SPawning RUNS OF ANADROMOUS FISH, TO DETERMINE PROBLEM AREAS, HABITAT TYPE, DEVELOPMENTAL STATUS AND OTHER ECOLOGICAL INFORMATION. (AVAILABLE ALSO IN SUMMARY REPORT. AVERAGE STREAM WIDTHS AND AVERAGE MIDDLE DEPTHS ESTIMATED OR MEASURED AT VARIOUS INTERVALS ON THE STREAMS )

DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:

MAGNETIC DISC  
SEVERAL NOTEBOOKS OF DATA FORMS ARE STORED ON COMPUTER TAPE.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

C JAY O'DELL 301-267-5361  
DEPARTMENT OF NATURAL RESOURCES, FISHERIES ADMINISTRATION  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):  
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	100 STATIONS	100 STATIONS	.....	EACH STREAM IS DIVIDED INTO SEGMENTS FOR INVENTORY
TIME	EARTH	STATION TIME	YMD	100	100	.....	THE IMMEDIATE SHORE DESCRIBED IN GENERAL TERMS TO DOCUMENT HABITAT TYPE, ALSO TO
LAND USE	LAND	VISUAL	HABITAT TYPE	100 OBS	.....	.....	.....

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TEMPERATURE	WATER	THERMISTOR	DEG C	100	OBS		DOCUMENT DEVELOPMENTAL STATUS; BARRIERS AND PROBLEM AREAS ARE INVENTORIED AND CLASSIFIED MEASURED AT EACH STREAM SEGMENT
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	100	OBS		MEASURED AT EACH STREAM SEGMENT

000801

EDAPHIC FACTORS AND PRODUCTIVITY OF ESTUARINE MARSHES  
DATA COLLECTED: JUNE 1971 TO MAY 1972

PAGE 01  
RECEIVED: MAY 16, 1973

## PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, VIRGINIA, EASTERN SHORE, WACHAPREAGUE MARSH YORK RIVER, WARE AND CARTER CREEK MARSHES

ABSTRACT:  
DATA ON THE EDAPHIC FACTORS AND PRODUCTIVITY OF 3 ESTUARINE MARSHES OF THE EASTERN SHORE OF VIRGINIA WERE COLLECTED AT 2 STATIONS MONTHLY FOR 10 MONTHS DURING 1972.

## DATA AVAILABILITY:

COST OF REPRODUCTION  
SHIP

## ARCHIVE MEDIA:

DATA SHEETS  
2 STATIONS SAMPLED MONTHLY FOR 10 MONTHS

## FUNDING:

## INVENTORY:

PUBLICATIONS:  
VIRGINIA INSTITUTE OF MARINE SCIENCE THESIS

## CONTACT:

LIBRARIAN 703-642-2111  
VIRGINIA INSTITUTE OF MARINE SCIENCE  
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):  
730776 730775

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS	MONTHLY	
TIME	EARTH	STATION TIME	YMD	20	STATIONS	2 STN/MO	0 TO 8 CM INTEGRAL
ORGANIC	SEDIMENT	SPECTROPHOTOMETRY	PARTS PER MILLION	400	OBS	2 STN/MO	KJELDAHL
NITROGEN	SEDIMENT	SPECTROPHOTOMETRY	PARTS PER MILLION	400	OBS	2 STN/MO	MOLYBDATE BLUE
PHOSPHORUS	SEDIMENT	ATOMIC ABSORPTION	PARTS PPM	400	OBS	2 STN/MO	0 TO 8 CM INTEGRAL
CALCIUM	SEDIMENT	SPECTROMETRY	MILLION	400	OBS	2 STN/MO	0 TO 8 CM INTEGRAL
MAGNESIUM	SEDIMENT	ATOMIC ABSORPTION	PARTS PER MILLION	400	OBS	2 STN/MO	0 TO 8 CM INTEGRAL
POTASSIUM	SEDIMENT	SPECTROMETRY	MILLION	400	OBS	2 STN/MO	0 TO 8 CM INTEGRAL
PH	INTERSTITIAL	SPECIFIC ION ELECTRODE	PH UNITS	400	OBS	2 STN/MO	0 TO 8 CM INTEGRAL

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SALINITY	INTERSTITIAL	CONDUCTIVITY	PARTS PER THOUSAND	400 OBS	2 STN/MO	0 TO 8 CM INTEGRAL	KJELDAHL, MARSH GRASS
ORGANIC NITROGEN IN BIO MATERIAL	LAND	SPECTROPHOTOMETRY	MICROGRAMS PER GRAM DRY WEIGHT	400 OBS	2 STN/MO		MOLYBDATE BLUE, MARSH GRASS
PHOSPHORUS IN BIO MATERIAL	LAND	SPECTROPHOTOMETRY	MICROGRAMS PER GRAM DRY WEIGHT	400 OBS	2 STN/MO		MOLYBDATE BLUE, MARSH GRASS
BIO MASS OF BENTHIC PLANTS	LAND	CROPPING	GRAMS PER METER SQUARE PER YEAR PER SPECIES	13 OBS	2 STN/MO		MARSH GRASS
COUNT OF BENTHIC PLANTS	LAND	VISUAL	STEMS PER SQUARE METER AREA	13 OBS	2 STN/MO		MOLYBDATE BLUE, MARSH GRASS

00080: INVENTORY AND EVALUATION OF TIDAL WETLANDS IN MATHEWS COUNTY, VIRGINIA PAGE 01  
DATA COLLECTED: FEBRUARY 1973 TO MARCH 1973 RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, MATHEWS COUNTY

ABSTRACT:

AN ESTIMATE OF THE VALUE INDEX AND WILDLIFE USAGE OF THE TIDAL WETLANDS OF MATHEWS COUNTY, VIRGINIA BASED ON 300 CROPPINGS OF MARSH PLANTS IN THE LATE WINTER OF 1973. PLANTS WERE IDENTIFIED TO SPECIES, COUNTED AND WEIGHED.  
(MAPS, PHOTOGRAPHS AND LAND USE INFORMATION INCLUDED )

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:  
REPORTS  
A REPORT OF 300 CROPPINGS OF MARSH PLANTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:  
KENNETH MARCELLUS 703-642-2111  
VIRGINIA INSTITUTE OF MARINE SCIENCE  
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR ( LAT ):  
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	300	STATIONS		STATIONS ARE DISCRETE PARCELS OF WETLAND
TIME	EARTH	STATION TIME	YMDL NUMBER OF SPECIES PER MAP LOCATION	300	STATIONS		MARSH PLANTS
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY		300	OBS		
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER AREA	300	OBS		MARSH PLANTS
TIDAL ZONE AREA	LAND	VISUAL CROPPING	PER CENT TONS PER ACRE	300	OBS		
YIELD OF BENTHIC PLANTS	LAND	DIRECT	PER YEAR FEET PER WETLAND AREA	300	OBS		WETLANDS MARSH PLANTS
SHORE LINE LENGTH	LAND						

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
LAND USE	LAND	VARIOUS	VARIOUS	300	OBS		VALUE INDEX OF WETLAND, WILDLIFE USAGE OF WETLAND

000804

INVENTORY AND EVALUATION OF TIDAL WETLANDS IN LANCASTER COUNTY, VIRGINIA  
DATA COLLECTED: SEPTEMBER 1972 TO NOVEMBER 1972

PAGE 01  
RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LANCASTER COUNTY

ABSTRACT:

AN ESTIMATE OF THE VALUE INDEX AND WILDLIFE USAGE OF THE WETLANDS OF LANCASTER COUNTY, VIRGINIA BASED ON 210 SEPERATE CROPPINGS OF MARSH PLANTS IN THE FALL OF 1972. PLANTS WERE IDENTIFIED TO SPECIES, COUNTED AND WEIGHED.  
(MAPS, PHOTOGRAPHS AND LAND USE INFORMATION INCLUDED )

DATA AVAILABILITY:

PLATFCRM TYPES:

ARCHIVE MEDIA:

REPORTS

A REPORT OF 210 CROPPINGS OF MARSH PLANTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

KENNETH MARCELLI'S 703-642-2111  
VIRGINIA INSTITUTE OF MARINE SCIENCE  
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):  
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	210	STATIONS	DISCREET	STATIONS ARE PARCELS OF WETLAND
TIME	EARTH	STATION TIME	YMDL	210	STATIONS	MARSH PLANTS	MARSH PLANTS
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER MAP LOCATION	210	OBS		
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER AREA	210	OBS		
TIDAL ZONE AREA YIELD OF BENTHIC PLANTS	LAND	VISUAL CROPPING	PER CENT TONS PER ACRE PER YEAR	210	OBS		
SHORE LINE LENGTH	LAND	DIRECT	FEET PER WETLAND AREA	210	OBS		

000806

PAGE 02

## INVENTORY AND EVALUATION OF TIDAL WETLANDS IN LANCASTER COUNTY, VIRGINIA (CONT.)

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
LAND USE	LAND	VARIOUS	VARIOUS	210	OBS		VALUE INDEX OF WETLAND, WILDLIFE USAGE OF WETLAND

000814

RECOGNITION BY REMOTE SENSING OF WETLAND VEGETATION  
DATA COLLECTED: JUNE 1972 TO PRESENT

RECEIVED: MAY 30, 1973 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:

U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, YORK RIVER, PAMUNKEY RIVER, PURTAN ISLAND MARSH, SWEET HALL MARSH,  
TASKINAS CREEK MARSH

ABSTRACT:

SPECIES DETERMINATION, BIOMASS AND BODY LENGTH WERE RECORDED MONTHLY FOR PLANTS COLLECTED AT 10 LOCATIONS IN THE PURTAN  
ISLAND, SWEET HALL AND TASKINAS CREEK MARSHES OF THE CHESAPEAKE BAY AREA, BEGINNING IN JUNE 1972 AND CONTINUING TO THE  
PRESENT. THE DOMINANT SPECIES FOR EACH MARSH WAS RECORDED. SPECIES RECOGNITION WAS ATTEMPTED WITH INFRARED, COLOR AND BLACK  
AND WHITE PHOTOGRAPHS. THE RESULTS OF THE STUDY ARE AVAILABLE IN THE FORM OF DATA SHEETS FROM VIMS. FILM RECORDS ARE HELD AT  
NASA LANGLEY AND VIMS.  
(FILM RECORDS HELD AT NASA LANGLEY AND VIMS)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
DATA SHEETS; ORIGINAL FILM  
120 STATIONS

FUNDING:

NASA Langley

INVENTORY:

PUBLICATIONS:

CONTACT:

KENNETH MARCELLUS 703-642-2111  
VIRGINIA INSTITUTE OF MARINE SCIENCE  
CLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):  
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	10 STATIONS	MONTHLY	.....	3 MARSHES SAMPLED
TIME	EARTH	SAMPLING TIME KEY	YMDHL NUMBER L.	120 STATIONS	MONTHLY	.....	DOMINANT SPECIES RECORDED, ATTEMPTED SPECIES
SPECIES	LAND	DETERMINATION OF BENTHIC PLANTS	SPECIES PRESENT PER MARSH	120 OBS	MONTHLY	.....	RECOGNITION WITH INFRARED,

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
BIO MASS OF BENTHIC PLANTS	LAND	WET WEIGHT	GRAMS PER SQUARE METER	120	OBS	MONTHLY	COLOR AND BLACK WHITE PHOTOGRAPHS
LENGTH OF BENTHIC PLANTS	LAND	DIRECT	METERS	120	OBS	MONTHLY	MARSH PLANTS



000823

## ENVIRONMENTAL IMPACT OF PROPOSED MARINA IN YORK RIVER STATE PARK (CONT.)

PAGE 02

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	28	OBS	FOURTEEN HOURLY SAMPLES PER TIDAL CYCLE	HOURLY CYCLES SAMPLED
WATER TRANSPORT	WATER	IMPELLOR METER	CUBIC METERS PER TIDAL CYCLE	2	OBS	TWO TIDAL CYCLES SAMPLED	TWO TIDAL CYCLES SAMPLED

156

001014

THE EFFECTS OF THERMAL LOADING BY THE BREMBO POWER STATION ON A PIEDMONT SECTION  
OF THE JAMES RIVER

DATA COLLECTED: JULY 1971 TO JUNE 1973

PAGE 01

RECEIVED: JULY 13, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER, BREMBO BLUFF TO COLUMBIA

ABSTRACT:

PIEDMONT SECTION OF JAMES RIVER, VIRGINIA STUDIED FOR EFFECTS OF THERMAL LOADING BY POWER STATION-INCLUDES PERIOD OF HURRICANE AGNES. ABIOTIC AND BIOTIC MEASUREMENTS MADE.  
(DATA INCLUDES PERIOD OF HURRICANE AGNES; COLLECTIONS KEPT AT VA INST OF SCI RESEARCH)

DATA AVAILABILITY:

WITH APPROVAL REPORTS SENT TO OFFICE OF WATER RESEARCH, VIRGINIA ELECTRIC AND POWER COMPANY

PLATFORM TYPES:

SHIP

ARCHIVE MEDIA:

REPORTS; DATA SHEETS

25 PARAMETERS MEASURED OVER 24 MONTHS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

WILLIAM S WOOLLCOTT 703-282-9581  
VIRGINIA INSTITUTE FOR SCIENTIFIC RESEARCH  
RICHMOND VIRGINIA USA 23229

GRID LOCATOR (LAT):  
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	10 STATIONS	60 TIMES PER YEAR		
TIME	EARTH	SAMPLING TIME	YMDHL	21600 STATIONS	60 TIMES PER YEAR		
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	21600 OBS	60 TIMES PER YEAR	SURFACE	TEMPERATURE PROFILES TAKEN 6 TIMES PER YEAR
PH	WATER	SPECIFIC ION ELECTRODE	UNITS	21600 OBS	60 TIMES PER YEAR	SURFACE	
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MILLIGRAMS PER LITER	21600 OBS	60 TIMES PER YEAR	SUB-SURFACE	WINKLER TITRATION CHECK

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
AMMONIA	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600 OBS	60 TIMES PER YEAR	SUB-SURFACE	
NITRATE	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600 OBS	60 TIMES PER YEAR	SUB-SURFACE	
NITRITE	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600 OBS	60 TIMES PER YEAR	SUB-SURFACE	
PHOSPHORUS	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600 OBS	60 TIMES PER YEAR	SUB-SURFACE	
ORTHOPHOSPHATE	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600 OBS	60 TIMES PER YEAR	SUB-SURFACE	
SECHI DISC	WATER	AVERAGE DEPTH	FEET	21600 OBS	60 TIMES PER YEAR	SUB-SURFACE	
DEPTH COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER SAMPLE	151200 OBS	60 TIMES PER YEAR	BOTTOM	108000 SHORE BENTHOS COLLECTED USING MODIFIED TONGS, ARTIFICIAL SUBSTRATE USED TO COLLECT 43,200 ORGANISMS SUSPENDED 1 FT. OFF BOTTOM
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF SPECIES PER SAMPLE, NUMBER OF INDIVIDUALS PER SPECIES PER SAMPLE	151200 OBS	60 TIMES PER YEAR	BOTTOM	108000 SHORE BENTHOS COLLECTED USING MODIFIED TONGS, ARTIFICIAL SUBSTRATE USED TO COLLECT 43,200 ORGANISMS SUSPENDED 1 FT. OFF BOTTOM
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER STATION	540 OBS	18 TIMES PER YEAR		STATION 220V 1 1/2 TO 3 AMP ELECTRIC SHOCK, 100 TO 250 YARDS PER STATION
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER STATION, NUMBER OF INDIVIDUAL SPECIES PER STATION GRAMS, SPECIES PER STATION MILLIMETERS	540 OBS	18 TIMES PER YEAR		STATION 220V 1 1/2 TO 3 AMP ELECTRIC SHOCK, 100 TO 250 YARDS PER STATION
BIOMASS OF DEMERSAL FISH LENGTH OF DEMERSAL FISH	WATER	WET WEIGHT STANDARD LENGTH		540 OBS	18 TIMES PER YEAR		LENGTH RANGE RECORDED

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DIVERSITY INDEX OF DEMERSAL FISH	WATER	SHANNON-WEAVER	NUMBERS	540	OBS	18 TIMES PER YEAR	
STOMACH CONTENT ANALYSIS OF DEMERSAL FISH	WATER	VISUAL	PERCENTAGE OF SPECIES INGESTED PER FISH SPECIES	540	OBS	18 TIMES PER YEAR	
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER STATION	540	OBS	18 TIMES PER YEAR	
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY	NUMBER OF SPECIES PER SLIDE	180	OBS	6 TIMES PER YEAR	
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER SLIDE	180	OBS	6 TIMES PER YEAR	
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE

(15)

## CLASSIFICATION AND STRUCTURE OF THE TIDAL MARSHES OF THE POROTANK RIVER,

VIRGINIA

DATA COLLECTED: JULY 1964 TO NOVEMBER 1964

RECEIVED: JULY 31, 1973

## PROJECTS:

## GENERAL GEOGRAPHIC AREA:

U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, POROTANK RIVER

## ABSTRACT:

FLORAL SURVEY AND COMMUNITY STRUCTURE ANALYSIS OF THE TIDAL MARSHES OF THE POROPOTANK RIVER VA.

## DATA AVAILABILITY:

## PLATFORM TYPES:

ARCHIVE MEDIA:  
REPORTS  
63 PAGES

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

VIMS THESIS, 1966, J A KERWIN  
CONTACT:  
LIBRARIAN 804-642-2111  
VIRGINIA INSTITUTE OF MARINE SCIENCE  
GLOUCESTER POINT VIRGINIA USA 23062

## GRID LOCATOR (LAT):

730776  
PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	6 STATIONS			RIVER SYSTEM DIVIDED INTO SIX SAMPLING STRATA
TIME	EARTH LAND	STATION TIME KEY	YML NUMBER OF SPECIES PER STRATA	6 STATIONS OBS	77		SUMMER, 1964 CHECKLIST OF 77 SPECIES WITH SCIENTIFIC AND COMMON NAMES MARSH PLANTS, RELATIVE FREQUENCY, DENSITY, DOMINANCE AND IMPORTANCE VALUES, E
SPECIES DETERMINATION OF BENTHIC PLANTS COMMUNITY STRUCTURE ANALYSIS	WATER	CALCULATED NUMBERS		6 STATIONS			

0010B4

CLASSIFICATION AND STRUCTURE OF THE TIDAL MARSHES OF THE POROTANK RIVER. (CONT.) PAGE 02

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	13	085		PHILLIPS 1959 AVERAGE SALINITY OVER PERIOD OF STUDY

1108

001146

PAGE 01  
DYNAMIC BASIN CHARACTERISTICS STUDY-SOWBRIDGE RIVER, DELAWARE AND BEAVER DAM

RECEIVED: JANUARY 01, 1976  
PROJECTS:  
LANDSAT

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, BEAVER DAM BRANCH, DELAWARE, SOWBRIDGE BRANCH

ABSTRACT:

MISSION W180, FLT. 1, WITH WALLOPS 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 SOWBRIDGE AND BEVER DAM RIVERS IN DEL. AND MD. OBJECTIVE - TO EXPOSE ANY DYNAMIC BASIN CHARACTERISTIC CHANGES THAT HAVE TAKEN PLACE SINCE THE LAST PHOTO MISSION OF CCT. 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 138 DEG. (MISSION NO W180, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

ORIGINAL FILM  
204 9 X 9 FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR ( LAT ):  
30785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	204	OBS	164 AT 5000 FT, 40 AT 10000 FT	6 INCH FOCAL LENGTH

0001147

WACHAPREAGUE MARSH INVESTIGATIONS  
DATA COLLECTED: NOVEMBER 1972 TO NOVEMBER 1972

RECEIVED: JANUARY 01, 1976 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA: U.S.: COASTAL, NORTH ATLANTIC; CHESAPEAKE BAY; VIRGINIA; WACHAPREAGUE

ARISTOPACI:

MISSION 181, FLT. 1, WITH WALLOPS STA. C-54 AIRCRAFT EQUIPPED WITH I2S AND T-11 CAMERA ON NOV. 20, 1972, IN COOPERATION WITH VA. INST. OF MARINE SCI. AT WACHAPREAGUE 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. (MISSION NO W181; FLT 1)

DATA AVAILABILITY:

## PLATEFORM TYPES: AIRCRAFT

ARCHIVE MEDIA:  
ORIGINAL F  
561 200 S

**CONTACT:** PAUL ALFONS I 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE

### GRID LOCATOR (LAT):

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	7	FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	7	STATIONS		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	593	OBS	577 AT 5000 FT, 16 AT 1000 FT	6 INCH FOCAL LENGTH

PROJECTS:  
LANDSATGENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, PENNSYLVANIA, CONOWINGO DAM

## ABSTRACT:

MISSION W183, FLIGHT 1, JANUARY 3, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AND AN I2S CAMERA SYSTEM IN COOPERATION WITH PENN STATE UNIV; THE FLIGHT WAS TO PROVIDE REMOTE SENSING IMAGERY TO BE USED IN CONJUNCTION WITH ERTS OVERFLIGHTS IN DEVELOPING INTERPRETATION TECHNIQUES AND PROCEDURES FOR REGIONAL RESOURCE MANAGEMENT STUDIES. CLEAR WEATHER, VISIBILITY FROM 8 TO 10 MILES. AIR TEMPERATURE WAS -3 DEG. C AT 12,500 FT. MSL, WIND OF 30 KNOTS FROM NORTH - NORTHEAST.  
(MISSION NO W183, FLT 1)

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFTARCHIVE MEDIA:  
ORIGINAL FILM  
129 9 X 9 FRAMES; 255 2.7 X 2.7 INCH FRAMES.

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
740707 740706 730:36

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	.....
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS	.....	6 FLIGHT LINES
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	384	OBS	197 AT 12500 FT, 187 AT 7500 FT	100 MM AND 152 MM FOCAL LENGTH
		FROM AIRCRAFT					

001151

LAND FILL AND EUTROPHICATION STUDIES  
DATA COLLECTED: JANUARY 1973 TO JANUARY 1973

RECEIVED: JANUARY 01, 1976 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, POTOMAC RIVER

ABSTRACT:

MISSION W185, F1, JAN. 26, 1973, WITH WALLOPS STA. C-54 AIRCRAFT EQUIPPED WITH ONE T-111 AND 4 HASSELBLAD CAMERAS IN COOPERATION WITH NASA, LANGLEY RES. CTR. AND THE EPA. THE OBJECTIVE - INVESTIGATE THE USE OF REMOTE SENSING AS APPLIED TO LAND FILL AND EUTROPHICATION STUDIES IN THE WOODBRIDGE AND POTOMAC RIVER AREAS. CLEAR WEATHER, VISIBILITY 4-10 MILES, AIR TEMP. 9 DEG. C AT 10,000 FT. AND 14 DEG. C AT 4500 FT., MSL WIND OF 20 KNOTS FROM 300 DEG. (MISSION NO W185, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
ORIGINAL FILM  
71 9 X 9 INCH FRAMES; 296 70 MM FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730796 730786 730787

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	10 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	10	STATIONS	.....	
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	367	OBS	103 AT 10000 FT, 264 AT 4500 FT	40 MM AND 152 MM FOCAL LENGTH
		FROM AIRCRAFT					

## PROJECTS:

## GENERAL GEOGRAPHIC AREA:

U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, ELIZABETH RIVER

**ABSTRACT:** REPRESENTATIVE QUADRAT SAMPLING OF A MARSH IN THE ELIZABETH RIVER, VA. REPORT DISCUSSES ASPECTS OF TROPHIC LEVELS IN A SALT MARSH COMMUNITY

## DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:  
REPORTS  
12 SAMPLING PERIODS

## FUNDING:

## INVENTORY:

PUBLICATIONS:  
ODU THESIS, M ROBBLEE, 1973

## CONTACT:

HAROLD G. MARSHALL 804-489-8000  
OLD DOMINION UNIVERSITY  
DEPT OF BIOLOGICAL SCIENCES  
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):  
730766

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	MAP LOCATION	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	.....	1	STATIONS	.....	.....	.....
TIME	EARTH	STATION TIME	YMD	12	STATIONS	MONTHLY	.....	REPRESENTATIVE
BIO MASS OF	LAND	WET WEIGHT	GRAMS PER ACRE	12	OBS	MONTHLY	.....	SAMPLING IN
BENTHIC PLANTS								QUADRANTS,
BIO MASS OF	LAND	DRY WEIGHT	GRAMS PER ACRE	12	OBS	MONTHLY	.....	MARSH GRASS
BENTHIC PLANTS								REPRESENTATIVE
BIO MASS OF	BOTTOM	WET WEIGHT	GRAMS PER ACRE	12	OBS	MONTHLY	.....	SAMPLING IN
BENTHIC								QUADRANTS,
ANIMALS								MARSH GRASS
BIO MASS OF	BOTTOM	DRY WEIGHT	GRAMS PER ACRE	12	OBS	MONTHLY	.....	.....

001171

TROPHIC LEVEL STUDY OF A SALT MARSH COMMUNITY IN THE ELIZABETH RIVER (CONT.) PAGE 02

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
BENTHIC ANIMALS	WATER	VISUAL	PERCENT COMPOSITION	12	OBS	MONTHLY	
STOMACH CONTENT ANALYSIS OF DEMERSAL FISH SPECIES	WATER	KEY	NUMBER OF SPECIES PER SAMPLE, NUMBER OF INDIVIDUALS PER SPECIES	12	OBS	MONTHLY	
DETERMINATION OF DEMERSAL FISH			NUMBER OF INDIVIDUALS PER SAMPLE	12	OBS	MONTHLY	
COUNT OF DEMERSAL FISH	WATER	VISUAL					

161

## PROJECTS:

## GENERAL GEOGRAPHIC AREA:

U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, VIRGINIA BEACH, LYNNHAVEN, ELIZABETH RIVER

## ABSTRACT:

SURVEY OF MARSSES IN LYNNHAVEN BAY AND ELIZABETH RIVER, VA. TO DETERMINE THE CONTRIBUTION BY THE MARSH ELDER, IVA FRUTESCENS, TO THE TOTAL PRODUCTIVITY OF THE MARSH

## DATA AVAILABILITY:

## PLATFORM TYPES:

ARCHIVE MEDIA:  
DATA SHEETS  
150 OBSERVATIONS

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

PAUL KIRK 804-489-8000  
OLD DOMINION UNIVERSITY  
INSTITUTE OF OCEANOGRAPHY  
NORFOLK VIRGINIA USA 23508

## GRID LOCATOR (LAT):

730766 730765

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	15	STATIONS		EACH STATION IS A TRANSECT
TIME	EARTH	STATION TIME	YMDL	15	STATIONS		EACH STATION IS A TRANSECT
BIO MASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	GRAMS PER METER	150	OBS		MARSH ELDER LEAVES IN RELATION TO TOTAL SHOOT DIAMETER; FACTORS INVOLVED IN THE DEGRADATION OF LEAVES
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	150	OBS		
TEMPERATURE	WATER	NON-REVERSING	DEG C	150	OBS		

001179

PRODUCTION AND DECAY OF MARSH ELDER (IVY FRUTESCENS)

(CONT.)

PAGE 02

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
WATER LEVEL	WATER	VISUAL	FEET	150	OBS		
THERMOMETER							

U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN BAY, ELIZABETH RIVER  
 DATA COLLECTED: JUNE 1972 TO PRESENT RECEIVED: AUGUST 08, 1973

## PROJECTS:

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

## DATA AVAILABILITY:

ON APPROVAL FROM CONTRACTOR

## PLATFORM TYPES:

## ARCHIVE MEDIA:

DATA SHEETS  
 200 STATIONS

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

PAUL KIRK 804-489-8000  
 OLD DOMINION UNIVERSITY  
 INSTITUTE OF OCEANOGRAPHY  
 NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):  
 730776 730775 730766

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	200	STATIONS	.....	.....
TIME	EARTH	STATION TIME	YMDL	200	STATIONS	.....	.....
SPECIES	LAND	KEY	NUMBER OF INDIVIDUALS	200	OBS	.....	.....
DETERMINATION			PER SPECIES				
OF BENTHIC							
PLANTS	BOTTOM	KEY	NUMBER OF INDIVIDUALS	200	OBS	.....	.....
SPECIES			PER SPECIES				
DETERMINATION							
OF BENTHIC							
ANIMALS							
COUNT OF	LAND	VISUAL	NUMBER PER ACRE	200	OBS	.....	.....
BENTHIC PLANTS	BOTTOM	VISUAL	NUMBER PER ACRE	200	OBS	.....	.....
COUNT OF							
BENTHIC							

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS							
BIO MASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	POUNDS PER ACRE	200	OBS		
BIO MASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT	POUNDS PER ACRE	200	OBS		
SALINITY	WATER	HYDROMETER	PARTS PER THOUSAND	14	OBS	SURFACE AND BOTTOM	LYNNHAVEN AREA
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	14	OBS	SURFACE AND BOTTOM	LYNNHAVEN AREA
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAMS PER LITER	14	OBS	SURFACE AND BOTTOM	LYNNHAVEN AREA
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	14	OBS	SURFACE AND BOTTOM	LYNNHAVEN AREA
COUNT OF MICROBIOTA	WATER	VISUAL	CULTURE GROWTH (MPN)	14	OBS	SURFACE AND BOTTOM	COLIFORM, LYNNHAVEN AREA
ORTHOPHOSPHATE	WATER	SPECTROPHOTOMETRY	MILLIGRAMS PER LITER	14	OBS	SURFACE AND BOTTOM	LYNNHAVEN AREA
NITRATE	WATER	SPECTROPHOTOMETRY	MILLIGRAMS PER LITER	14	OBS	SURFACE AND BOTTOM	LYNNHAVEN AREA
SEUCHI DISC DEPTH	WATER	AVERAGE DEPTH	FEET	14	OBS	SURFACE AND BOTTOM	LYNNHAVEN AREA
SIZE ANALYSIS	SEDIMENT	SIEVE	PERCENT COMPOSITION	7	OBS	SURFACE AND BOTTOM	LYNNHAVEN AREA

DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

RECEIVED: JANUARY 01, 1976

## PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND

## ABSTRACT:

MISSION W174, FLIGHT 1, OCTOBER 20, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND A 125 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 ERTS 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. (MISSION NO W174, FLT 1)

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

## ARCHIVE MEDIA:

PHOTOPRINTS  
252 9" X 9" FRAMES

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

FAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 233337

GRID LOCATOR (LAT):  
730796 730786 730785

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	12 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	12	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	252	OBS	10500 FT	6 INCH FOCAL LENGTH; MULTI-BAND CAMERA 100 MM FOCAL LENGTH

001197

DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-SOWBRIDGE RIVER, DELAWARE AND BEAVER  
DAM RIVER, MARYLAND  
DATA COLLECTED: APRIL 1973 TO APRIL 1973

PAGE 01  
RECEIVED: JANUARY 01, 1976

PROJECTS:  
LANDSAT

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, MARYLAND, EASTON, DELAWARE, ELLENDALE

ABSTRACT:

MISSION W192, FLIGHT 1, APRIL 9, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND 125 CAMERA SYSTEM IN COOPERATION WITH WATER RESOURCES DIV. OF U. S. GEOLOGICAL SURVEY. OBJECTIVE 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 9500 FT., MSL WITH WIND OF 12 KNOTS FROM 090 DEG. (MISSION NO W192, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

PHOTOPRINTS  
130 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

FAUL ALFONS J 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730785 730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS	.....	7 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	7	STATIONS	.....	40 OBS AT 9500 FT, 90 OBS AT 5500 FT
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	130	OBS	100 MM AND 152 MM FOCAL LENGTH	100 MM FOCAL LENGTH
		FROM AIRCRAFT					

## PROJECTS:

## GENERAL GEOGRAPHIC AREA:

U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, POOCOMOKE SOUND AND RIVER

## ABSTRACT:

MISSION W192, FLIGHT 2, APRIL 9, 1973, WITH WALLOPS 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 POOCOMOKE 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. (MISSION NO W192, FLT 2)

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

## ARCHIVE MEDIA:

PHOTOPRINTS  
128 2.7" X 2.7" AND 9" X 9" FRAMES

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730775 730785

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS	.....	100 MM AND 152
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	128	OBS	92 OBS AT 9500 FT, 36 OBS AT 5500 FT	MM FOCAL LENGTH, MULTI-BAND IMAGERY

001205

DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-SOWBRIDGE RIVERS, DELAWARE AND BEAVER  
DAM RIVER, MARYLAND  
DATA COLLECTED: MAY 1973 TO MAY 1973

PAGE 01

PROJECTS:  
LANDSAT

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, MARYLAND, EASTON, DELAWARE ELLENDALE

ABSTRACT:

MISSION W208, FLI. 1, MAY 7 1973, WITH WALLOPS STATION HELICOPTER EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND 12S 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 MOD. HAZE. AIR TEMP. -3 DEG. AT 5500 FT., MSL WITH WIND AT 15 KNOTS FROM 33 DEG. (MISSION NO W208, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

PHOTOPRINTS  
66 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:  
/

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730785 730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION YMDHML	2 STATIONS	.....	.....	6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	PHOTOGRAPHS	6 STATIONS	50 OBS AT 5500 FT, 16 MM FOCAL LENGTH	100 MM AND 152 MM FOCAL LENGTH	50 OBS AT 9500 FT
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	66 OBS				

001206

POCOMOKE RIVER WETLANDS VEGETATION STUDY, THE UNITED STATES GEOLOGICAL SURVEY PAGE 01  
DATA COLLECTED: MAY 1973 TO MAY 1973 RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:

U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, POCOMOKE RIVER

ABSTRACT:

MISSION W208, FLI. 2, MAY 16, 1973, WITH WALLOPS STATION HELICOPTER EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND 12S CAMERA SYSTEM IN COOPERATION WITH U. S. GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN REMOTE SENSING IMAGERY OF POCOMOKE RIVER AND ADJACENT LOWLAND FOR IDENTIFICATION OF WETLAND VEGETATION ALONG RIVER.  
(MISSION NO W208, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

PHOTOPRINTS  
202 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:  
PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730775 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	2 FLIGHT LINES	
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS	56 OBS AT 9500 FT, 146 MM FOCAL LENGTH, REMOTE	100 MM AND 152 OBS AT 6500 FT SENSING
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	202	OBS		
		FROM AIRCRAFT					

001207

LYNNHAVEN BAY VEGETATION STUDY  
DATA COLLECTED: MAY 1973 TO MAY 1976

RECEIVED: JANUARY 01, 1976  
PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN ROADS

ABSTRACT:

MISSION W209, FLI. 1, MAY 18, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH OLD DOMINION UNIV. OBJECTIVE - OBTAIN LARGE SCALE IMAGERY OF LYNNHAVEN BAY AREA FOR USE IN MAKING ANALYSIS OF VEGETATIVE DISTRIBUTION USED IN DELINEATING AERIAL EXTENT OF SPECIES. WEATHER - CLOUDY.  
(MISSION NO W209, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

PHOTOPRINTS  
197 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 233337

GRID LOCATOR (LAT):  
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	.....
TIME	EARTH	SAMPLING TIME	YMDHML	8	STATIONS	.....	8 FLIGHT LINES
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	197	OBS	3100 FT	152 MM FOCAL LENGTH

GEOLOGICAL INVESTIGATIONS OF MARYLAND'S ATLANTIC OCEAN AND CHESAPEAKE BAY  
SHORELINES, GEOLOGICAL SURVEY BRANCH OF THE MARYLAND DEPARTMENT OF NATURAL  
RESOURCES

DATA COLLECTED: MAY 1973 TO MAY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:  
LANDSAT

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 WALLOPS 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. (MISSION NO W214, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
534 2.7" AND 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:  
FAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730796 730786 730787 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	11 FLIGHT LINES	
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	534	OBS	100 MM AND 152 MM FOCAL LENGTH	

00121S

DELAWARE WETLANDS, COASTAL, AND MARINE STUDIES, COLLEGE OF MARINE STUDIES,

UNIVERSITY OF DELAWARE  
DATA COLLECTED: JULY 1973 TO JULY 1973

PAGE 01

RECEIVED: JANUARY 01, 1976

PROJECTS:  
LANDSAT

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY

ABSTRACT:

MISSION W218, FLI. 1, JULY 7, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND AN 12S CAMERA SYSTEM IN COOPERATION WITH COLLEGE OF MARINE STUDIES OF UNIV. OF DEL. OBJECTIVE - TO OBTAIN INTERMED.ATE ALTITUDE IMAGERY OF DEL. COASTLINE OF DEL. BAY AND TRANSECTS OF BAY AT COHANSEY RIVER-BOMBAY HOOK 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 WALLOPS 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. (MISSION NO W218, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

PHOTOPRINTS  
300 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:  
FAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730795 730785 730784 730794

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	4 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMD-HML	4	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	300	OBS	11500 FT	100 MM AND 152 MM FOCAL LENGTH

001245

RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES

RECEIVED: JANUARY 01, 1976 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER WATERSHED

ABSTRACT:

MISSION W149, FLI.: 1 WITH WALLOPS STATION C-54 AIRCRAFT WITH ONE T-11 AERIAL CAMERA AND H.R.B. SINGER AD-2 THERMAL SCANNER ON AUG. 10, 1972, IN COOPERATION WITH CHESAPEAKE BAY CTR. FOR ENVIRONMENTAL STUDIES. OBJECTIVE - TO USE FALSE COLOR NEAR INFRARED PHOTOGRAPHY AND PASSIVE INFRARED TO STUDY VEGETATION AND DRAINAGE PATTERNS WITH RHODE RIVER WATERSHED. FLIGHT IN CLEAR WEATHER WITH SLIGHT HAZE, AIR TEMP. 15 DEG. C AT 2500 FT., MSL WITH WIND 45 KNOTS FROM 250 DEG. (MISSION NO W149, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
178 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	11 FLIGHT LINES	
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS		
PHOTOGRAPH	EARTH	IR CAMERA FROM	PHOTOGRAPHS	168	OBS	14 OBS AT 12000 FT, 17 OBS AT 3000 FT, 147 OBS AT 2500 FT	6 INCH FOCAL LENGTH FALSE COLOR NEAR INFRARED AND PASSIVE INFRARED
		AIRCRAFT					

001251

VIMS-WACHAPREAGUE TIDAL MARSHES  
DATA COLLECTED: AUGUST 1972 TO AUGUST 1972

RECEIVED: JANUARY 01, 1976 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:

MISSION W152, FLT. 1 WITH WALLOPS 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. (MISSION NO W152, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOGRAPHS  
86 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI B04-B24-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	1 FLIGHT LINE
TIME	EARTH	SAMPLING TIME	YMDHML	1	STATIONS	.....	.....
PHOTOGRAPH	EARTH	BLACK AND WHITE	PHOTOGRAPHS	86	OBS	5000 FT	6 INCH FOCAL LENGTH

## PROJECTS:

## GENERAL GEOGRAPHIC AREA:

U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, DELAWARE, REHOBOTH AND INDIAN RIVER

## ABSTRACT:

MISSION W160, FLT. 1 WITH WALLOPS 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 OVERCAST. LIGHT HAZE, AIR TEMP. 18 DEG. C AT 3500 FT., MSL WIND OF 16 KNOTS FROM 310 DEG. (MISSION NO W160, FLT 1)

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFTARCHIVE MEDIA:  
PHOTOPRINTS  
91 9" X 9" FRAMES.

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730785

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	10 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	10	STATIONS	.....	
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	91	OBS	3500 FT	6 INCH FOCAL LENGTH

00126c

UNIVERSITY OF DELAWARE COASTAL ZONE STUDIES

PAGE 01  
RECEIVED: JANUARY 01, 1976

PROJECTS:  
LANDSAT

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. (MISSION NO W160, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
79 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:  
FAUL, ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 233337

GRID LOCATOR (LAT):  
730795 730785 730784

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	79	OBS	11500 FT	6 INCH FOCAL LENGTH
		FROM AIRCRAFT					

## PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, ELKTON WETLANDS

## ABSTRACT:

MISSION W162, FLT. 1 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 25, 1972 IN COOPERATION WITH MD. DEPT. OF CHESAPEAKE BAY AFFAIRS IN ELK RIVER SECTION. OBJECTIVE - TO USE NATURAL AND FALSE-COLOR IMAGERY FOR INVESTIGATION OF MARSHLAND AQUATIC COMMUNITIES FOR IDENTIFICATION AND DISTRIBUTION. FLIGHT IN GOOD WEATHER WITH SOME SCATTERED CLOUDS, EXTREMELY HAZY, AIR TEMP. 10 DEG C AT 9500 FT., MSL WITH WIND OF 10 KNOTS FROM 205 DEG. (MISSION NO W162, FLT 1)

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

## ARCHIVE MEDIA:

POTOPRINTS  
44 9" X 9" FRAMES.

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730796

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS		2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS		
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	44	OBS		6 INCH FOCAL LENGTH

001265

DYNAMIC BASIN CHARACTERISTICS STUDY-SOW BRIDGE RIVER, DELAWARE AND BEAVER DAM  
RIVER, MARYLAND

DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

PAGE 01  
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, DELAWARE, SOWBRIDGE RIVER, CHESAPEAKE BAY, MARYLAND, BEAVER DAM RIVER

ABSTRACT:

MISSION W164, FLT. 1 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AND I-2S CAMERA SYSTEMS ON OCTOBER 26, 1972, IN COOPERATION WITH U. S. GEOLOGICAL SURVEY OF DEPT. OF INTERIOR. FLIGHT MADE OVER SOWBRIDGE 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 LEG.  
(MISSION NO W164, FLT 1)

DATA AVAILABILITY:

PLATFCRM TYPES:

AIRCRAFT

ARCHIVE MEDIA:

PHOTOPRINTS  
230 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR ( LAT ):  
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT,DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS	.....	6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	230	OBS	180 OBS AT 5000 FT, 50 OBS AT 10000 FT	6 INCH FOCAL LENGTH

001266

RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES

PAGE 01  
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:

MISSION W165, FLT. 1 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 30, 1972, IN COOPERATION WITH CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES (SMITHSONIAN INSTITUTE) IN RHODE RIVER, MD. REGION. OBJECTIVE - TO ACQUIRE AIRBORNE NATURAL AND FALSE-COLOR IMAGERY FOR INVESTIGATION GROWTH AND DRAINAGE PATTERNS WITHIN THE RHODE RIVER WATERSHED. FLIGHT IN GOOD WEATHER, NO OVERCAST, SLIGHT HAZE, AIR TEMP. 23 DEG. C AT 2500 FT., MSL WITH WIND OF 15 KNOTS FROM 285 DEG.  
(MISSION NO W165, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

PHOTOPRINTS  
260 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	260	OBS	162 OBS AT 52 2500 FT, 52 OBS AT 1200 FT, 46 OBS AT 500 FT	6 INCH FOCAL LENGTH

001269

MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS WETLANDS STUDY  
DATA COLLECTED: SEPTEMBER 1972 TO SEPTEMBER 1972

RECEIVED: JANUARY 01, 1976  
PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, PATUXENT RIVER

ABSTRACT:

MISSION W167, FLT. 2, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON SEPT. 8, 1972, IN COOPERATION WITH THE MD. DEPT. OF CHESAPEAKE BAY AFFAIRS IN ELKTON, MD. AREA. OBJECTIVE - TO OBTAIN NATURAL AND FALSE-COLOR IMAGERY TO INVESTIGATE MARSHLAND ECOLOGY IN ELK RIVER 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. (MISSION NO W167, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
202 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONS I 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	9	FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS	106 OBS AT 10000 FT, 96 OBS AT 2500 FT	6 INCH FOCAL LENGTH
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	202	OBS		

## PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE, PARAMORE ISLAND

## ABSTRACT:

MISSION W169, FLT. 2, WITH WALLOPS 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.  
(MISSION NO W169, FLT. 2)

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFTARCHIVE MEDIA:  
PHOTOPRINTS  
68 9" X 9" FRAMES.

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

CONTACT:  
PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730775

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS		5 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	5	STATIONS		
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	68	OBS		6 INCH FOCAL LENGTH
		FROM AIRCRAFT					

001275

VIRGINIA INSTITUTE OF MARINE SCIENCES MARSH STUDY  
DATA COLLECTED: SEPTEMBER 1972 TO SEPTEMBER 1972

RECEIVED: JANUARY 01, 1976 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, YORK RIVER, POROPATANK BAY

ABSTRACT:

MISSION W169, FLT. 3, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON SEPT. 11, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. OF THE YORK RIVER AREA NEAR POROPATANK BAY. OBJECTIVE - TO STUDY ESTUARINE INFLOW AND MARSHLAND CHARACTERISTICS ASSOCIATED WITH BRACKISH WATERS. FLIGHT IN CLEAR WEATHER, FEW SCATTERED CLOUDS, AIR TEMP. 14 DEG. C AT 5000 FT., MSL WITH WIND 12 KNOTS FROM S.E. (MISSION NO W169, FLT. 3)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
46 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
'730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	4 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	4	STATIONS	.....	
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	46	OBS	5000 FT	6 INCH FOCAL LENGTH

001275

RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES

PAGE 01  
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER WATERSHED

ABSTRACT:

MISSION W170, FLI. 1, ACCOMPLISHED WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO AERIAL CAMERAS, T-11 AND I2S, ON OCTOBER 11, 1972, IN COOPERATION WITH SMITHSONIAN INSTITUTE. MISSION OVER WETLANDS AREAS OF RHODE RIVER AND TRIBUTARIES. ONE OF A SERIES TAKEN OVER RHODE RIVER FOR PURPOSE OF DEFINING WETLAND VEGETATION SIGNATURES THROUGHOUT YEARLY GROWTH CYCLE. FLIGHT IN CLEAR WEATHER WITH VISIBILITY 10-12 MILES. AIR TEMP. +5 DEG. AT 2500 FT., MSL WITH WIND OF 8 KNOTS FROM 360 DEG. (MISSION NO W170, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
AEROPRINTS  
696 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:  
PAUL ALFONSI 804-824-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	13 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	13	STATIONS	.....	6 INCH FOCAL
PHOTOGRAPH	EARTH	COLOR CAMERA	PHOTOGRAPHS	645	OBS	2500 FT; 120	LENGTH
		FROM AIRCRAFT				420 OBS AT 1200	FT.
						OBS AT 1200	FT.
						51 OBS	AT 1000 FT,
						105 OBS AT	500 FT

001275

WACHAPREAGUE INLET CONTOUR STUDY  
DATA COLLECTED: JUNE 1973 TO JUNE 1973

PAGE 01  
RECEIVED: JANUARY 01, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA: U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:

MISSION W226, FLI. 1, JUNE 28, 1973, WITH WALLOPS 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 CONTOURS FOR MARSH AREA AS TIDE RISES AND FALLS. FLIGHT MADE IN HAZY WEATHER WITH BROKEN CLOUDS. VISIBILITY FROM 5-7 MILS. AIR TEMP. 10 DEG. C AT 9500 FT.. MSL WITH WIND OF 19 KNOTS FROM 220 DEG. (MISSION NO W226, FLT 1)

DATA AVAILABILITY:

MISSION NO W226, FLT 1

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

PHOTOPRINTS  
216 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL ALFONS I 804-R24-3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA LOCATION	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	.....	MAP LOCATION	1	STATIONS	.....	3 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	.....	YMDHML	12	STATIONS	.....	IR CAMERA FROM
PHOTOGRAPH	EARTH	IR CAMERA FROM	.....	PHOTOGRAPHS	216	OBS	9500 FT	AIRCRAFT
							152 MM FOCAL LENGTH	

PROJECTS:

## GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, WARE RIVER, SEVERN RIVER

## ABSTRACT:

TWO TIDAL MARSHES ALONG THE SEVERN AND WARE RIVERS, VIRGINIA ARE SAMPLED MONTHLY OVER A TWO YEAR PERIOD TO DETERMINE FAUNAL POPULATION SIZES AND FLORAL PRODUCTIVITY. RESPIRATION RATES ARE MEASURED ON BOTH MACROFAUNA AND BENTHOS. COMPARISONS ARE MADE BETWEEN ONE CONTROL MARSH AND ONE MARSH TREATED WITH OIL.  
 (AVAILABLE AS VIMS PH D DISSERTATION, JUNE 1975)

## DATA AVAILABILITY:

## PLATFORM TYPES:

FIXED STATION

## ARCHIVE MEDIA:

DATA SHEETS  
SIX NOTEBOOKS OF 25 TO 50 DATA SHEETS EACH

## FUNDING:

THE VIRGINIA INSTITUTE OF MARINE SCIENCE

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

CARL HERSHNER 804 642 2111  
 VIRGINIA INSTITUTE OF MARINE SCIENCE  
 CLOUCESTER POINT VIRGINIA USA 23062

## GRID LOCATOR (LAT):

730776

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS		
TIME	EARTH	STATION TIME	YMDH	96	OBS	MONTHLY	
COUNT OF INSECTS SPECIES DETERMINATION OF INSECTS	LAND	VISUAL KEY	NUMBER PER SPECIES	240	OBS	MONTHLY	
	LAND		NUMBER PER SPECIES	240	OBS	MONTHLY	

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SPECIES AND POPULATION SIZE	190	OBS	MONTHLY	SEVERAL OBSERVATIONS IN EACH MARSH PER MONTH;
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER PER SPECIES AND POPULATION SIZE	190	OBS	MONTHLY	SEVERAL MARK-RECAPTURE OBSERVATIONS IN EACH MARSH PER MONTH;
LENGTH OF DEMERSAL FISH	WATER	TOTAL LENGTH	MILLIMETERS	190	OBS	MONTHLY	SEVERAL MARK-RECAPTURE; MARSH DECAPODS ONLY
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY	SEVERAL OBSERVATIONS IN EACH MARSH PER MONTH;
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY	SEVERAL QUADRAT COUNTS OF MARSH GASTROPODS
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY	QUADRAT COUNTS OF MARSH GASTROPODS
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY	CORE SAMPLING OF MARSH MACRO- AND MEIO-FAUNA;
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY	COMMUNITY DIVERSITY INDICES
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY	CALCULATED CORE SAMPLING OF MARSH MACRO- AND MEIO-FAUNA;
BIOMASS OF BENTHIC PLANTS	BOTTOM	DRY WEIGHT	GRAMS PER M2	96	OBS	MONTHLY	COMMUNITY DIVERSITY INDICES

001511

RESPONSE OF SALT MARSH COMMUNITY TO CHRONIC HYDROCARBON POLLUTION (CONT.)

PAGE 03

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF BIRDS	AIR	VISUAL	NUMBER PER SPECIES	96	OBS	MONTHLY	QUADRAT SIGHTINGS OF BIRDS INHABITING MARSH AREA
SPECIES DETERMINATION OF BIRDS	AIR	KEY	NUMBER PER SPECIES	96	OBS	MONTHLY	SIGHTINGS OF BIRDS INHABITING MARSH AREA

00158E

A STUDY OF EMERGENT VASCULAR PLANT ZONATION IN TWO BRACKISH MARSHES  
DATA COLLECTED: JUNE 1972 TO AUGUST 1972

RECEIVED: APRIL 15, 1974 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, CALVERT COUNTY MARYLAND

ABSTRACT:  
PLANT COMMUNITIES IN TWO SALT MARSHES, ONE OLD AND ONE DEVELOPING, WERE COMPARED AS TO PLANT COMMUNITIES, PRODUCTIVITY, AND BIOMASS.  
(SUMMER STUDENT PROJECT BY MARGARET FLOWERS. CBL REF NO. 72-68 )

DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:  
REPORTS

ONE 30 PAGE UNPUBLISHED REPORT INCLUDING ALL DATA

FUNDING:

NATIONAL SCIENCE FOUNDATION

INVENTORY:

PUBLICATIONS:

CONTACT:

LIBRARIAN 301 326 4281  
CHESAPEAKE BIOLOGICAL LABORATORY  
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):  
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	6	STATIONS		3 TRANSECTS IN EACH OF TWO MARSHES
TIME	EARTH	STATION TIME DRY WEIGHT	YMD GRAMS PER M2	12 36	OBS OBS	TWICE	STANDING CROP BIOMASS MEASUREMENTS MADE 4 WEEKS APART; 3 OBS PER TRANSECT ALL PLANTS COUNTED AND
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER M2	6	OBS		TRANSECTS WITHIN

## A STUDY OF EMERGENT VASCULAR PLANT ZONATION IN TWO BRACKISH MARSHES (CONT.)

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	SPECIES	6	OBS		RECORDED ONCE ALL PLANTS WITHIN TRANSECTS COUNTED AND RECORDED ONCE

001624

PRIMARY PRODUCTION OF CHINCOTEAGUE BAY SALT MARSHES  
 DATA COLLECTED: AUGUST 1970 TO AUGUST 1970

RECEIVED: APRIL 29, 1974 PAGE 01

**PROJECTS:**  
**ASSATEAGUE ECOLOGICAL STUDIES**

**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.  
 (ANALYSES BY C. KEEFE, NRI REFERENCE NUMBER 446, UNIVERSITY OF MARYLAND)

**DATA AVAILABILITY:**  
 WRITTEN REQUEST

**PLATFORM TYPES:**  
 FIXED STATION

**ARCHIVE MEDIA:**

REPORTS  
 PART 5 OF 300 PAGE REPORT

**FUNDING:**  
 NATIONAL PARKS SERVICE CONTRACT NUMBER 14-10-5-950-36

**INVENTORY:**

**PUBLICATIONS:**

**CONTACT:**  
 LIBRARIAN 301 326 4281  
 CHESAPEAKE BIOLOGICAL LABORATORY  
 SOLOMONS MARYLAND USA 20688

**GRID LOCATOR (LAT):**  
 730785

**PARAMETER IDENTIFICATION SECTION:**

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	20	STATIONS		
TIME	EARTH	STATION TIME	YMD	20	STATIONS		
SPECIES	LAND	KEY	NUMBER OF SPECIES PER STATION	31	OBS		DOMINANT PLANTS IN SAMPLE
DETERMINATION OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER SPECIES PER SAMPLE	31	OBS		DOMINANT PLANTS IN SAMPLE
COUNT OF BENTHIC PLANTS	LAND		DRY WEIGHT, ASH	62	OBS	WEIGHT PER SAMPLE	0.25 SQ METER SAMPLE AREA, DATA PRESENTED
BIO MASS OF BENTHIC PLANTS	LAND	CROPPING					

001702

PATUXENT RIVER MARYLAND WETLAND PHOTOGRAPHY  
DATA COLLECTED: SEPTEMBER 1970 TO SEPTEMBER 1970

RECEIVED: MARCH 28, 1974 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, MARYLAND, PATUXENT RIVER

ABSTRACT:

AN EXPERIMENTAL REMOTE SENSING PROGRAM CONDUCTED FOR THE STATE OF MARYLAND IN SEPTEMBER 1970 RESULTED IN A FILE OF COLOR AND COLOR IR 9X9 PHOTOGRAPHY AT SCALES OF 1 TO 3000, 1 TO 6000, 1 TO 9000 AND 1 TO 12000 OF A 3X10 MILE STRIP OF WETLANDS ON THE PATUXENT RIVER.

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

PHOTOPRINTS  
ONE FOLDER OF 9X9 PHOTOGRAPHS

FUNDING:

STATE OF MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:

W.C. COULBOURN, APPLIED TECHNOLOGY  
GRUMMAN ECOSYSTEMS CORPORATION  
1111 STEWART AVENUE  
EETHPAGE NEW YORK USA 11714

GRID LOCATOR (LAT):  
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	.....	.....
TIME	EARTH	STATION TIME	YMD	1	STATIONS	.....	.....
							A 3 BY 10 MILE TEST STRIP OF WETLANDS ON THE PATUXENT RIVER
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	9X9 PHOTOGRAPH	1	STATIONS	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	9X9 PHOTOGRAPH	1	STATIONS	.....	.....

## PROJECTS:

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: 10/915133, OCT 10, 1972; 113315141, DEC 3, 1972; 113315144, DEC 3, 1972; 118715140, JAN 26, 1973; 120515142, FEB 13, 1973; 120515141, FEB 13, 1973; 131315141, JUN 1, 1973; 134915134, JUL 7, 1973; 134915141, JUL 7, 1973; 138515131, AUG 12, 1973; 140315125, AUG 30, 1973; 140315132, AUG 30, 1973  
(PRINTS ALSO AVAILABLE FROM EROS DATA CENTER, SOUTHPASS FALLS, SOUTH DAKOTA 57198)

DATA AVAILABILITY:  
COSTS AS PER NOAA-NESS PRICE LISTPLATFORM TYPES:  
SATELLITEARCHIVE MEDIA:  
PHOTOPRINTS  
FOURTEEN PHOTOGRAPHIC IMAGESFUNDING:  
U.S. DEPARTMENT OF THE INTERIOR

## INVENTORY:

## PUBLICATIONS:

CONTACT:  
PHOTO DOCUMENTATION AREA 202 655 4000  
NOAA-NESS  
FOB NO. 4  
WASHINGTON DISTRICT OF COLUMBIA USA 20233GRID LOCATOR (LAT):  
730767 730766 730765 730777 730776 730775 730774 730787 730786 730785 730784 730797 730796 730795 730794

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	GENERAL AREA	LONGITUDE AND LATITUDE	14 OBS			ERTS IMAGES OF THE CHESAPEAKE AND DELAWARE BAY REGIONS
PHOTOGRAPH	EARTH	COLOR CAMERA FROM SATELLITE		14 OBS			ERTS IMAGES OF THE CHESAPEAKE AND DELAWARE BAY REGIONS

RECEIVED: JANUARY 01, 1976 PAGE 01

DATA COLLECTED: 1927 TO PRESENT AERIAL PHOTOGRAPHS

880 / ECTC

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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.

**DATA AVAILABILITY:** ALL PHOTOGRAPHS AVAILABLE AT COST OF REPRODUCTION. CONTACT PRINTS \$2.00 EACH. ENLARGEMENTS \$4.00 TO \$8.00. COLOR PHOTOGRAPHS \$7.00 EACH.

FORM TYPES:  
AIRCRAFT  
LIVE MEDIA:  
PHOTOPRINTS

**PUBLICATIONS:** LEAFLET: NATIONAL OCEAN SURVEY - REPRODUCTIONS OF AERIAL PHOTOGRAPHS - AVAILABLE FREE. INDEX OF PHOTOGRAPHY ON 1:250,000 BASE.

ACT: CHIEF, PHOTOMAP AND IMAGERY INFORMATION SECTION 301 496 8601  
NATIONAL OCEAN SURVEY  
6001 EXECUTIVE BOULEVARD  
ANNAPOLIS, MARYLAND 20260

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	STATION TIME	YMDL	39	YRS	SURFACE	ONE PRINT ON FILE FOR MOST AREAS OF THE U.S. COAST
POSITION	EARTH	FIXED POINT		39	YRS	SURFACE	ONE PRINT ON FILE FOR MOST AREAS OF THE U.S. COAST
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT		39	YRS	SURFACE	ONE PRINT ON FILE FOR MOST AREAS OF THE U.S. COAST
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT		39	YRS	SURFACE	ONE PRINT ON FILE FOR MOST AREAS OF THE U.S. COAST
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT		39	YRS	SURFACE	ONE PRINT ON FILE FOR MOST AREAS OF THE U.S. COAST

002444

PLANT ECOLOGY OF UPPER PATUXENT RIVER, EFFECTS OF THERMAL POLLUTION ON  
MACROPHYTES  
DATA COLLECTED: JUNE 1963 TO JUNE 1966

PAGE 01  
RECEIVED: SEPTEMBER 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATUXENT RIVER, COASTAL

ABSTRACT:

DESCRIPTION OF MACROPHYTE DISTRIBUTION AND DENSITY IN THE PATUXENT RIVER, MARYLAND PRESENTED RELATIVE TO WATER CHEMISTRY. DATA INCLUDES PHYSICAL AND CHEMICAL PARAMETERS OF WATER, PLANT SPECIES AND ABUNDANCE, WEIGHTS OF PLANTS, AND COMMUNITY PARAMETERS. INTENT OF STUDY WAS DESCRIPTIVE BASELINE DATA AND EVALUATION OF THERMAL POLLUTION ON MACROPHYTES. A SERIES OF 18 STATIONS WERE SAMPLED THROUGHOUT THE STUDY PERIOD.  
(PHD THESIS, R. R. ANDERSON, 1966, DEPARTMENT OF BOTANY)

DATA AVAILABILITY:  
UNIVERSITY MICROFILMS

PLATFORM TYPES:  
SHIP

ARCHIVE MEDIA:  
REPORTS  
99 PAGES

FUNDING:  
PEPCO - CHAULK POINT POWER STATION

INVENTORY:

PUBLICATIONS:

CONTACT:  
LIBRARIAN 301 454 3011  
MCLELLIN LIBRARY  
UNIVERSITY OF MARYLAND  
COLLEGE PARK MARYLAND USA 20742

GRID LOCATOR (LAT):  
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	648	STATIONS		
TIME	EARTH	STATION TIME	YMD	648	STATIONS		
SALINITY	WATER	CONDUCTIVITY	PPT	648	OBS	MONTHLY	
TEMPERATURE	WATER	NON-REVERSING	DEG C	648	OBS	MONTHLY	
CALCIUM	WATER	THERMOMETER	EDTA TITRATION	14	OBS		
							AT SALT FRONT, VIA METHOD OF PRICE AND PRIDDY

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
MAGNESIUM SODIUM	WATER WATER	EDTA TITRATION FLAME SPECTROMETER Y	PPM PPM	14 14	OBS OBS	SURFACE SURFACE	BECKMAN UNIT BECKMAN UNIT
POTASSIUM	WATER	FLAME SPECTROMETER Y	PPM	14	OBS	SURFACE	BECKMAN UNIT
PH	WATER	COLORIMETRY	PH UNITS	64	OBS	SURFACE	4 STATIONS, 24 HOUR STUDY
TOTAL ALKALINITY	WATER	TITRATION	PPM CACO3	64	OBS	SURFACE	4 STATIONS, 24 HOUR STUDY
DISSOLVED CARBON DIOXIDE GAS	WATER	TITRATION	PPM CO2	64	OBS	SURFACE	4 STATIONS, 24 HOUR STUDY
DISSOLVED OXYGEN GAS	WATER	TITRATION	PPM	64	OBS	SURFACE	MODIFIED WINKLER
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER SAMPLE	150	OBS	LINE TRANSECTS QUADRAT, AND PLOTS;	LINE TRANSECTS QUADRAT, AND PLOTS;
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	NUMBER PER SAMPLE	150	OBS	EMERGENT AND SUBMERGED STRATA	EMERGENT AND SUBMERGED STRATA
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	SPECIES PER SAMPLE	150	OBS	LINE TRANSECTS QUADRAT, AND PLOTS;	LINE TRANSECTS QUADRAT, AND PLOTS;
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY	SPECIES PER SAMPLE	150	OBS	EMERGENT AND SUBMERGED STRATA	EMERGENT AND SUBMERGED STRATA
COMMUNITY STRUCTURE ANALYSIS	LAND	CALCULATED	PERCENT COMPOSITION, COMMUNITY TYPES	5	OBS	5 SELECTED STATIONS	5 SELECTED STATIONS
BIOMASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	GM PER SPECIES	150	OBS	100 DEG C	100 DEG C
BIOMASS OF BENTHIC PLANTS	LAND	CROPPING	PER SQ METER	150	OBS	AIR DRY	AIR DRY
BIOMASS OF BENTHIC PLANTS	BOTTOM	DRY WEIGHT	GM PER SPECIES	150	OBS	100 DEG C	100 DEG C

00244

PLANT ECOLOGY OF UPPER PATUXENT RIVER, EFFECTS OF THERMAL POLLUTION ON (CONT.)  
MACROPHYTES

PAGE 03

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
BIMASS OF BENTHIC PLANTS	BOTTOM	CROPPING	GM PER SPECIES PER SQ METER	150	OBS		AIR DRY

002449

COMMONWEALTH OF VIRGINIA TIDAL MARSH INVENTORY

DATA COLLECTED: MAY 1973 TO PRESENT

RECEIVED: MAY 01, 1976 PAGE 01

## PROJECTS:

## 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. (ONLY SIX REPORTS COVERING LANCASTER COUNTY, MATHEWS COUNTY, YORK COUNTY AND TOWN OF POQUOSON, NORTHUMBERLAND COUNTY, STAFFORD COUNTY, AND PRINCE WILLIAM COUNTY AVAILABLE AS OF 197408)

## DATA AVAILABILITY:

PLATFORM TYPES:  
SHIPARCHIVE MEDIA:  
REPORTS  
ONE 100 PAGE REPORT FOR EACH TIDAL COUNTYFUNDING:  
THE STATE OF VIRGINIA; RANN

## INVENTORY:

PUBLICATIONS:  
SPECIAL REPORT NO. 45 IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING

## CONTACT:

DR. GENE M. SILBERHORN 804 642 2111  
VIRGINIA INSTITUTE OF MARINE SCIENCE  
GLOUCESTER POINT VIRGINIA USA 23062GRID LOCATOR (LAT):  
730786 730776 730766 730775 730785 730787 730777

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	140	STATIONS		TWO COUNTY REPORTS ONLY
TIME	EARTH	STATION TIME	YEAR	140	OBS		TWO COUNTY REPORTS ONLY
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY	PER CENT AREA	140	OBS		TWO COUNTY REPORTS ONLY

002707

NORTH CAROLINA WETLANDS; THEIR DISTRIBUTION AND MANAGEMENT  
DATA COLLECTED: AUGUST 1957 TO JULY 1959

PAGE 01  
RECEIVED: DECEMBER 05, 1974

PROJECTS:

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. (TEXT, TABULATION, AND MAPS FOR EACH WETLAND COUNTY)

DATA AVAILABILITY:

COST OF DUPLICATION

PLATFORM TYPES:

AIRCRAFT; FIXED STATION

ARCHIVE/MEDIA:

REPORTS

169 PAGE REPORT, DATED APRIL 1962

FUNDING:

FEDERAL AID IN WILDLIFE RESTORATION, PROJECT W-6-R

INVENTORY:

PUBLICATIONS:

CONTACT:

KENNETH A. WILSON 919 829 7896  
NORTH CAROLINA WILDLIFE RESOURCES COMMISSION  
RALEIGH NORTH CAROLINA USA 27611

GRID LOCATOR (LAT):

730765 730766 730755 730756 730757 730746 730747 730748 730737 730738

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	GENERAL AREA	MAP	41	STATIONS	.....	.....
TIME	EARTH	STATION TIME	YMD	41	STATIONS	.....	.....
PHOTOGRAPH	EARTH	BLACK AND WHITE	MARSH ACRES	41	OBS	.....	.....
		CAMERA FROM AIRCRAFT					

PHOTOS TRANSFERRED TO DETAILED COUNTY MAPS TO LOCATE MARSH TYPE MAPS FOR 41 COASTAL PLAIN COUNTIES

SPECIES  
DETERMINATION  
LAND  
KEY  
LIST PER  
WETLAND TYPE,  
41 OBS

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF BENTHIC PLANTS COMMUNITY STRUCTURE ANALYSIS	LAND	CALCULATED					
			BY COUNTY				
				DOMINANCE PER	41	OBS	
				TYPE OF WETLAND PER			
				COUNTY			

002734

TOPOGEOPGRAPHIC FLORAL COMMUNITIES OF THE COASTAL PLAINS  
DATA COLLECTED: SEPTEMBER 1972 TO JUNE 1974

PAGE 01  
RECEIVED: DECEMBER 17, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., NEW JERSEY TO GEORGIA

ABSTRACT:

PRIMARILY AN ECOSYSTEMATICS FIELD STUDY OF THE MAJOR TYPES OF FLOURISTIC 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.  
(47 COASTAL PLANE COMMUNITIES, DATA ALSO AVAILABLE FOR PIEDMONT, BLUE RIDGE, AND APPALACHIAN COMMUNITIES )

DATA AVAILABILITY:

COST OF REPRODUCTION  
FIXED STATION

ARCHIVE: MEDIA:  
DATA SHEETS  
200 PAGES

FUNDING:

UNIVERSITY OF NORTH CAROLINA

INVENTORY:

PUBLICATIONS:

CONTACT:

ALBERT E. RADFORD 919 933 2211  
DEPARTMENT OF BOTANY  
UNIVERSITY OF NORTH CAROLINA  
CHAPEL HILL NORTH CAROLINA USA 27514

GRID LOCATOR (LAT): 730801 730811 730820 730829 730738 730746 730747 730755 730756 730765 730775 730776 730785 730786 730794 740704

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	47	STATIONS		
TIME	EARTH	STATION TIME	YMD	47	OBS		
SPECIES	LAND	KEY		47	OBS		
							IDENTIFICATION BY COMMUNITY TYPES, PIONEER, AQUATIC, MARSH, GRASS, SAVANNAH,

PARAMETER IDENTIFICATION SECTION:				DATA AMOUNT				FREQUENCY	HEIGHT/DEPTH	REMARKS
NAME	SPHERE	METHOD	UNITS							
TAXONOMIC LIST OF LAND PLANTS	LAND	KEY		47	OBS					SCRUB, FOREST, SEEDLINGS AND TRANSGRESSORS LISTINGS AS CANOPY, SUB-CANOPY, SHRUBS, HERBS, AND VINES LISTINGS AS CANOPY, SUB-CANOPY, SHRUBS, HERBS, AND VINES CANOPY AND SUB-CANOPY
COUNT OF LAND PLANTS	LAND	VISUAL		47	OBS					CANOPY AND SUB-CANOPY AND SUB-CANOPY HEIGHT IDENTIFICATION BY COMMUNITY TYPES, PIONEER,
AGE DATING OF LAND PLANTS	LAND	HEIGHT	YEARS	47	OBS					AQUATIC, MARSH, GRASS, SAVANNAH,
LENGTH OF LAND PLANTS	LAND	VARIOUS	FEET	47	OBS					SCRUB, FOREST, SEEDLINGS AND TRANSGRESSORS CLIMATOGENICS, PEDOGENICS, BIOGENICS AND EVOLUTION OF MAJOR PLANT COMMUNITIES
COMMUNITY STRUCTURE ANALYSIS	LAND	RECRUITMENT STUDIES	GEOGRAPHIC	47	OBS					
DEVELOPMENTAL STAGE OF LAND PLANTS	LAND	MORPHOLOGICAL CHARACTERISTICS	GEOGRAPHIC	47	OBS					

003535

CHOWAN RIVER PROJECT  
DATA COLLECTED: JUNE 1974 TO PRESENT

RECEIVED: APRIL 18, 1975 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., NORTH CAROLINA, CHOWAN RIVER

ABSTRACT:

A STUDY OF NUPHAR ADENA AND JUSTICIA AMERICANA IN CHOWAN RIVER, NORTH CAROLINA.

DATA AVAILABILITY:

PLATFORM TYPES:  
SHIP

ARCHIVE MEDIA:  
REPORTS  
ONE 20 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

DR. M. BRINSON 919 758 6718  
EAST CAROLINA UNIVERSITY  
DEPARTMENT OF BIOLOGY  
GREENVILLE NORTH CAROLINA USA 27834

GRID LOCATOR (LAT):

730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE YMD	4	STATIONS	.....	.....
TIME	EARTH	STATION TIME KEY		4	OBS	MONTHLY	MONTHLY
SPECIES	LAND			4	OBS	MONTHLY	MONTHLY
DETERMINATION OF BENTHIC PLANTS	LAND	DRY WEIGHT	GRAMS PER SQUARE METER	4	OBS	MONTHLY	MONTHLY
BIOMASS OF BENTHIC PLANTS	LAND	SPECTROPHOTOMETRY	GRAMS PER SQUARE METER	4	OBS	MONTHLY	MONTHLY
NITROGEN IN BIO MATERIAL	LAND	SPECTROPHOTOMETRY	GRAMS PER SQUARE METER	4	OBS	MONTHLY	MONTHLY
PHOSPHORUS IN BIO MATERIAL	LAND	SPECTROPHOTOMETRY	GRAMS PER SQUARE METER	4	OBS	MONTHLY	MONTHLY

108

003553

BIOLOGICAL REPORTS FOR PERMIT APPLICATIONS TO ALTER MARSHLANDS, ESTUARINE  
BOTTOMS, TIDELANDS, AND STATE-OWNED LAKES OF NORTH CAROLINA  
DATA COLLECTED: JANUARY 1970 TO PRESENT

PAGE 01

PROJECTS:

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.

DATA AVAILABILITY:

NO RESTRICTIONS

PLATFORM TYPES:

SHIP; AIRCRAFT

ARCHIVE MEDIA:

REPORTS

ONE 35 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

JAMES T. BROWN 919-726-7021  
NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES  
DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O. BOX 769  
MOOREHEAD CITY NORTH CAROLINA USA 28557

GRID LOCATOR (LAT):

730738 730739 730745 730746 730747 730755 730756 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	LATITUDE AND LONGITUDE	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT		YMD	250	STATIONS		
TIME	EARTH	STATION TIME KEY			250	STATIONS	YEARLY	DESCRIBES MARSH TYPE
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	VISUAL	NUMBER PER SPECIES		250	STATIONS	YEARLY	AERIAL PHOTOGRAP HY USED TO DETERMINE IF ENVIRONMENT ALTERED

003552

BIOLOGICAL REPORTS FOR PERMIT APPLICATIONS TO ALTER MARSHLANDS, ESTUARINE (CONT.)  
BOTTOMS, TIDELEADS, AND STATE-OWNED LAKES OF NORTH CAROLINA

PAGE 02

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY		250	STATIONS	YEARLY	
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		250	STATIONS	YEARLY	

003583

AERIAL INTERPRETATION AND NET PRODUCTIVITY OF A N.C. SALT MARSH  
DATA COLLECTED: JUNE 1966 TO APRIL 1967

RECEIVED: JUNE 03, 1975 PAGE 01

## PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC; COASTAL; U.S.; NORTH CAROLINA; OAK ISLAND

## ABSTRACT:

## INVESTIGATION OF MARSH PRODUCTIVITY USING INFRARED AND COLOR AERIAL PHOTOGRAPHY FOR REMOTE SENSING AND COMPARISON WITH YIELD, BIOMASS, STANDING CROP, AND CALORIC CONTENT MEASUREMENTS.

DATA AVAILABILITY:

#### **PLATFORM TYPES:**

ARCHIVE MEDIA:  
REPORTS  
86 PAGES

EINDE

## INVENTORY:

DISCUSSIONS

PUBLICATIONS:  
STROUD, L.M. 1969. COLOR-INFRARED AERIAL PHOTOGRAPHIC INTERPRETATION AND NET PRIMARY PRODUCTIVITY OF A REGULARLY FLOODED NORTH CAROLINA SALT MARSH. NC ST U THESIS 86P

## **CONTACT:**

LIBRARIAN 919 737 3364  
NORTH CAROLINA STATE UNIVERSITY  
D.H. HILL LIBRARY  
SAC 100 NORTH CAROLINA USA 27

GRID LOCATOR (LAT): 228265

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	48 STATIONS			MARSH GRASSES FROM 10 TRANSECTS, 48 STATIONS WERE STUDIED
TIME	EARTH LAND	STATION TIME KEY	YMD	48 STATIONS	STATIONS	STANDING CROP	DISTRIBUTION ANALYSIS
YIELD OF BENTHIC PLANTS	LAND	CROPPING	LIVE AND DEAD TISSUE	48 STATIONS			
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER/SPECIES/ AREA	48 STATIONS			
WEIGHT OF BENTHIC PLANTS	LAND	DRY WEIGHT	GRAMS	48 STATIONS			

003586

## AERIAL INTERPRETATION AND NET PRODUCTIVITY OF A N.C. SALT MARSH (CONT.)

PAGE 02

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
BENTHIC PLANTS							COLOR AERIAL PHOTOGRAPHY WERE IMPLEMENTED FOR REMOTE SENSING MEASUREMENTS OF MARSH PRODUCTIVITY

LENGTH OF BENTHIC PLANTS	LAND	DIRECT	LENGTH OF LEAVES, DIAMETER OF STEAM, AND NUMBER OF LEAVES	48	STATIONS
CALORIC CONTENT OF BIO MATERIAL BIOMASS OF BENTHIC PLANTS	LAND	MACROBOMB CALORIMETRY CROPPING	GRAM CALORIES/ GRAMS DRY WEIGHT PRODUCTIVITY	48	STATIONS

003826

SUBSTRATE SELECTIVE PROPERTIES OF MARSH PLANTS  
DATA COLLECTED: AUGUST 1973 TO 1976

PAGE 01  
RECEIVED: JULY 31, 1975

## PROJECTS:

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, NITRATE, NITRITE, AND TOTAL NITROGEN.

## DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:  
DATA SHEETS  
2000 PAGES

FUNDING:  
NATIONAL SCIENCE FOUNDATION; UNIVERSITY OF GEORGIA

## INVENTORY:

## PUBLICATIONS:

CONTACT:  
JOHN L. GALLAGHER 912 352 1631  
UNIVERSITY OF GEORGIA  
MARINE INSTITUTE  
SAPELO ISLAND GEORGIA USA 31327

GRID LOCATOR (LAT):  
740648 730785 730811

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE YMD	16	STATIONS	BIMONTHLY	
TIME	EARTH	STATION TIME		16	STATIONS	BIMONTHLY	
SPECIES DETERMINATION OF BENTHIC PLANTS COLOR	LAND SEDIMENT	KEY VISUAL		16	STATIONS	BIMONTHLY	FIVE STATIONS AT BAR HARBOR, FIVE STATIONS AT LEWIS, SIX STATIONS AT SAPELO ISLAND
			MUSEUM COLOR	16	STATIONS	BIMONTHLY	

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
PH SALINITY	WATER WATER	PH METER INDEX OF REFRACTION THERMISTOR	PH UNITS DEG C	16 16	STATIONS STATIONS	BIMONTHLY BIMONTHLY	
TEMPERATURE DENSITY	WATER SEDIMENT	BULK SPECIFIC GRAVITY	GRAMS	16 16	STATIONS STATIONS	BIMONTHLY BIMONTHLY	
GRAIN TEXTURE NITROGEN	SEDIMENT SEDIMENT	VISUAL ATOMIC ABSORPTION SPECTROMETRY	STANDARD UNITS MICROGRAM ATOMS/ GRAM	16 16	STATIONS STATIONS	BIMONTHLY BIMONTHLY	
NITRATE	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
NITRITE	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
AMMONIA	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
CHLORIDE ORGANIC CARBON	INTERSTITIAL SEDIMENT	TITRATION ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
IRON	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
MANGANESE	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
POTASSIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
PHOSPHORUS	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	

003828

SPARTINA ENVIRONMENTAL PHYSIOLOGY  
DATA COLLECTED: AUGUST 1972 TO 1976

RECEIVED: JULY 31, 1975 PAGE 01

PROJECTS:

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.

DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:

DATA SHEETS  
1 FIFTY PAGES NOTEBOOKS

FUNDING:  
NATIONAL SCIENCE FOUNDATION; UNIVERSITY OF GEORGIA

INVENTORY:

PUBLICATIONS:

CONTACT:

JOHN L. GALLAGHER 912 352 1631  
UNIVERSITY OF GEORGIA  
MARINE INSTITUTE  
SAPELO ISLAND GEORGIA USA 31327

GRID LOCATOR (LAT):  
740648 730786 730765 730747 730729

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE YMD	7 STATIONS 7	STATIONS ANNUAL	.....	.....
TIME	EARTH	STATION TIME	.....	7 STATIONS 7	STATIONS ANNUAL	3 STATIONS IN BAR HARBOR MAINE, ONE STATION IN LEWIS, DELAWARE; VIRGINIA BEACH, VIRGINIA; NEW TOPSAIL BEACH,	3 STATIONS IN BAR HARBOR MAINE, ONE STATION IN LEWIS, DELAWARE; VIRGINIA BEACH, VIRGINIA; NEW TOPSAIL BEACH,

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
<b>NORTH CAROLINA; AND ISLE OF CAROLINA PALMS, SOUTH CAROLINA 15 DOMINANT SPECIES</b>							
DETERMINATION OF BENTHIC PLANTS	LAND	KEY		7	STATIONS	ANNUAL	
POTASSIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7	STATIONS	ANNUAL	
PHOSPHORUS IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7	STATIONS	ANNUAL	
CALCIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7	STATIONS	ANNUAL	
MANGANESE IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7	STATIONS	ANNUAL	
IRON IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7	STATIONS	ANNUAL	
ALUMINUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7	STATIONS	ANNUAL	
BORON IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7	STATIONS	ANNUAL	
PROTEIN IN BIO CARBOHYDRATES	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7	STATIONS	ANNUAL	
APPARENT OXYGEN UTILIZATION	WATER	TITRATION	MICROGRAM ATOMS/ GRAM	7	STATIONS	ANNUAL	
<b>MEASUREMENT OF PLANT RESPIRA- TION AS OXYGEN CONSUMPTION AND CARBON DIOXIDE RELEASE</b>							
ORGANIC CARBON	INTERSTITIAL Y	GAS CHROMATOGRAPH	MICROGRAM ATOMS/ GRAM	7	STATIONS	ANNUAL	
TEMPERATURE	SEDIMENT INTERSTITIAL	THERMISTOR INDEX OF REFRACTION	DEG C ppt	7	STATIONS	ANNUAL	
SALINITY				7	STATIONS	ANNUAL	

DATA COLLECTED: JUNE 1960 TO OCTOBER 1960 RECEIVED: AUGUST 01, 1975

## PROJECTS:

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.

## DATA AVAILABILITY:

LIBRARY LOAN

PLATFORM TYPES:  
FIXED STATION

## ARCHIVE MEDIA:

REPORTS

ONE 34 PAGE THESIS

## FUNDING:

UNIVERSITY OF DELAWARE RESEARCH FOUNDATION

## INVENTORY:

PUBLICATIONS:  
DATA INCLUDED IN UNPUBL. M.S. THESIS, 1961, BY MARCIA HAZELTON MORGAN

## CONTACT:

LIBRARIAN 302 645 6674  
UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY  
LEWES DELAWARE USA 19958GRID LOCATOR (LAT):  
730795

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DEG	40	STATIONS	..	.. SURFACE
TIME	EARTH	STATION TIME	YM	184	OBS	BIWEEKLY	.. SURFACE
PHOTOSYNTHETIC RATE	LAND	OXYGEN DETERMINAT	GMS/M2	184	OBS	BIWEEKLY	.. SURFACE
YIELD OF BENTHIC PLANTS	LAND	ION	..	184	OBS	BIWEEKLY	CLIP QUADRANT METHOD INVOLVES MEASURING LIVING AND DEAD MATERIAL BY WEIGHT PER

004551

ANNUAL ANGIOSPERM PRODUCTION ON A SALT MARSH (CONT.)

PAGE 02

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
.....	.....	.....	.....	.....	.....	.....	.....

SQUARE METER

## PROJECTS:

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 ASSIMBLAGES UNDER INVESTIGATION IN THE CANARY CREEK SALT MARSH, LEWES, DELAWARE. THE TALL SPARTINA ALTERNIFLORA, BARE BANK, DWARF SPARTINA ALTERNIFLORA, DISTICHLIS SPICATA, AND PANNI 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

DATA AVAILABILITY:  
LIBRARY LOAN

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:  
REPORTS  
ONE OF 95 PAGE THESIS

FUNDING:  
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

INVENTORY:

PUBLICATIONS:  
DATA INCLUDED IN UNPUBL M.S. THESIS, 1971, BY MICHAEL JAMES SULLIVAN

CONTACT:  
LIBRARIAN 302 645 6674  
UNIVERSITY OF DELAWARE MARINE STATION LIBRARY  
LEWES DELAWARE USA 19958

GRID LOCATOR (LAT):  
730795

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DEG	5	STATIONS	EVERY 3 WEEKS	SURFACE
TIME	EARTH	STATION TIME	YMD	18	OBS	EVERY 3 WEEKS	SURFACE
TEMPERATURE	AIR	THERMISTOR	DEG C	18	OBS	ONE AND TWO-TENTHS M	SURFACE
TEMPERATURE	WATER	THERMISTOR	DEG C	18	OBS	SURFACE	SURFACE
TEMPERATURE	LAND	THERMISTOR	DEG C	18	OBS	SURFACE	SURFACE

00467€

DISTRIBUTION AND ECOLOGY OF EDAPHIC DIATOMS IN THE CANARY CREEK SALT MARSH (CONT.) PAGE 02

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SALINITY	WATER	INDEX OF REFRACTION	PPT	18	OBS	1 CM AND 2 CM BELOW SURFACE AND SURFACE	
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	18	OBS		
PH	LAND	SPECIFIC ION ELECTRODE	PH UNITS	18	OBS	SURFACE	
SPECIES DETERMINATION OF PHYTOPLANKTON	WATER	KEY	SPECIES	18	OBS	SURFACE	
COUNT OF PHYTOPLANKTON SPECIES	WATER	VISUAL	NUMBER	18	OBS	SURFACE	
DETERMINATION OF BENTHIC PLANTS	LAND	KEY	SPECIES	18	OBS	SURFACE	
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER	18	OBS	SURFACE	



00473c

## SOIL SURVEY OF ACCOMAC COUNTY, VIRGINIA (CONT.)

PAGE 02

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SODIUM	LAND	FLAME SPECTROMETR Y	MEG PER 100 GM	10	STATIONS	MONTHLY	
POTASSIUM	LAND	FLAME SPECTROMETR Y	MEG PER 100 GM	10	STATIONS	MONTHLY	
PH	LAND	COLORIMETRY					MONTHLY
PHOSPHORUS	LAND	COLORIMETRY	PPM	10	STATIONS	MONTHLY	
EXCHANGEABLE	LAND	ATOMIC ABSORPTION	PPM	10	STATIONS	MONTHLY	
MANGANESE	AIR	SPECTROMETRY					MONTHLY
PRECIPITATION	AMOUNT	DIRECT	INCHES	10	STATIONS	MONTHLY	

12/12

004745

SOIL SURVEY OF ISLE OF WRIGHT COUNTY, VIRGINIA  
DATA COLLECTED: JANUARY 1937 TO JANUARY 1941

RECEIVED: DECEMBER 29, 1975 PAGE 01

**PROJECTS:** VIRGINIA SOIL SURVEY

GENERAL GEOGRAPHIC AREA: NORTH AMERICA: U.S.: VIRGINIA: ISLE OF WRIGHT COUNTY

**ABSTRACT:** A SOIL SURVEY OF ISLE OF WRIGHT COUNTY, VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS IN ISLE OF WRIGHT; AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS OF THE COUNTY.

DATA AVAILABILITY:

**PLATFORM TYPES:  
FIXED STATION: AIRCRAFT**

ARCHIVE MEDIA:

41 PAGE INHOUSE REPORT

EINDE

U3 DUA

## INVENTORY:

PUBLICATIONS:

CONTACT: PETRI 703 951 6481  
VIRGINIA POLYTECHNIC IN  
AGRONOMY DEPT  
BLACKSBURG VIRGINIA USA  
GRID LOCATOR (LAT):  
730776

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	AMOUNT	STATIONS	STATIONS	STATIONS
TIME	EARTH LAND	STATION TIME AERIAL PHOTOGRAPH Y	YMD	15	15	MONTHLY	MONTHLY
PERMEABILITY	LAND	VISUAL	INCHES PER HOUR	15	STATIONS	MONTHLY	
SOIL MOISTURE	LAND	CALCULATED	PERCENT	15	STATIONS	MONTHLY	
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	15	STATIONS	MONTHLY	
NITROGEN	LAND	TITRATION	PERCENT	15	STATIONS	MONTHLY	
OXIDES	LAND	TITRATION	PERCENT	15	STATIONS	MONTHLY	
CALCIUM	LAND	TITRATION	MEG PER 100GM	15	STATIONS	MONTHLY	
MAGNESIUM	LAND	TITRATION	MEG PER 100GM	15	STATIONS	MONTHLY	
SODIUM	LAND	FLAME SPECTROMETER	MEG PER 100GM	15	STATIONS	MONTHLY	

004745

PAGE 02  
SOIL SURVEY OF ISLE OF WRIGHT COUNTY, VIRGINIA (CONT.)

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POTASSIUM	LAND	Y	FLAME SPECTROMETR MEG PER 100GM	15	STATIONS	MONTHLY	
PH	LAND	Y	COLORIMETRY	15	STATIONS	MONTHLY	
PHOSPHORUS	LAND	COLORIMETRY	PPM	15	STATIONS	MONTHLY	
EXCHANGEABLE	LAND	ATOMIC ABSORPTION	PPM	15	STATIONS	MONTHLY	
MANGANESE	AIR	SPECTROMETRY	INCHES	15	STATIONS	MONTHLY	
PRECIPITATION	DIRECT	AMOUNT					

PROJECTS:  
**VIRGINIA SOIL SURVEY**GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., VIRGINIA, KING GEORGE COUNTY

## ABSTRACT:

A SDIL SURVEY OF KING GEORGE COUNTY, VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS IN KING GEORGE COUNTY, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS OF THE COUNTY.

## DATA AVAILABILITY:

PLATFORM TYPES:  
**FIXED STATION; AIRCRAFT**ARCHIVE MEDIA:  
**REPORTS  
44 PAGES**FUNDING:  
**US DOA**

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

PETRI 703 951 6481  
VIRGINIA POLYTECHNIC INSTITUTE  
AGRONOMY DEPT  
BLACKSBURG VIRGINIA USA 24061

GRID LOCATOR (LAT):  
**730786**

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE YMD	13	STATIONS	MONTHLY	
TIME	EARTH	STATION TIME AERIAL PHOTOGRAPH		13	STATIONS	MONTHLY	
SOIL TYPE	LAND	Y		13	STATIONS	MONTHLY	
PERMEABILITY	LAND	VISUAL	INCHES PER HOUR	13	STATIONS	MONTHLY	
SOIL MOISTURE	LAND	CALCULATED	PERCENT	13	STATIONS	MONTHLY	
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	13	STATIONS	MONTHLY	
NITROGEN	LAND	TITRATION	PERCENT	13	STATIONS	MONTHLY	
OXIDES	LAND	TITRATION	PERCENT	13	STATIONS	MONTHLY	
CALCIUM	LAND	TITRATION	MEG PER 100GM	13	STATIONS	MONTHLY	
MAGNESIUM	LAND	TITRATION	MEG PER 100GM	13	STATIONS	MONTHLY	
SODIUM	LAND	FLAME SPECTROMETER	MEG PER 100GM	13	STATIONS	MONTHLY	

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POTASSIUM	LAND	FLAME SPECTROMETR	MEG PER .00GM	13	STATIONS	MONTHLY	
P <sub>1</sub>	LAND	COLORIMETRY		13	STATIONS	MONTHLY	
PHOSPHORUS	LAND	COLORIMETRY	PPM	13	STATIONS	MONTHLY	
EXCHANGEABLE	LAND	ATOMIC ABSORPTION	PPM	13	STATIONS	MONTHLY	
MANGANESE	AIR	SPECTROMETRY		13	STATIONS	MONTHLY	
PRECIPITATION	DIRECT	DIRECT	INCHES	13	STATIONS	MONTHLY	
AMOUNT							

004774

DATA SOIL SURVEY OF CHESAPEAKE VIRGINIA  
DATA COLLECTED: JANUARY 1953 TO JANUARY 1959

RECEIVED: JANUARY 12, 1976 PAGE 01

PROJECTS:  
VIRGINIA SOIL SURVEYGENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., VIRGINIA, CHESAPEAKEABSTRACT:  
A SOIL SURVEY OF CHESAPEAKE VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS OF CHESAPEAKE, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS OF THE LARGE CITY. (PRIOR TO 1963, THE CITY OF CHESAPEAKE WAS KNOWN AS NORFOLK COUNTY.)

## DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION; AIRCRAFT

## ARCHIVE MEDIA:

REPORTS

43 PAGE INHOUSE REPORT

## FUNDING:

US DOA

## INVENTORY:

## PUBLICATIONS:

CONTACT:  
PETRI 703 951 6481  
VIRGINIA POLYTECHNIC INSTITUTE  
AGRONOMY DEPT  
BLACKSBURG VIRGINIA USA 24061GRID LOCATOR (LAT):  
730766

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE YMD	11	STATIONS	MONTHLY	
TIME	EARTH	STATION TIME			STATIONS	MONTHLY	
SOIL TYPE	LAND	AERIAL PHOTOGRAPH		11	STATIONS	MONTHLY	
PERMEABILITY	LAND	VISUAL	INCHES FOR HOUR	11	STATIONS	MONTHLY	
SOIL MOISTURE	LAND	CALCULATED	PERCENT	11	STATIONS	MONTHLY	
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	11	STATIONS	MONTHLY	
NITROGEN	LAND	TITRATION	PERCENT	11	STATIONS	MONTHLY	
OXIDES	LAND	TITRATION	PERCENT	11	STATIONS	MONTHLY	
CALCIUM	LAND	TITRATION	MEG PER 100GM	11	STATIONS	MONTHLY	
MAGNESIUM	LAND	TITRATION	MEG PER 100GM	11	STATIONS	MONTHLY	

004774

## SOIL SURVEY OF CHESAPEAKE VIRGINIA (CONT.)

PAGE 02

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SODIUM	LAND	FLAME SPECTROMETR	MEG PER 100GM	11	STATIONS	MONTHLY	
POTASSIUM	LAND	FLAME SPECTROMETR	MEG PER 100GM	11	STATIONS	MONTHLY	
PH	LAND	COLORIMETRY		11	STATIONS	MONTHLY	
PHOSPHORUS EXCHANGEABLE	LAND	COLORIMETRY ATOMIC ABSORPTION	PPM PPM	11	STATIONS	MONTHLY	
MANGANESE	LAND	SPECTROMETRY		11	STATIONS	MONTHLY	
PRECIPITATION	AIR	DIRECT	INCHES	11	STATIONS	MONTHLY	
AMOUNT							

004775

SOIL SURVEY OF NORTHUMBERLAND COUNTY, VIRGINIA

DATA COLLECTED: JANUARY 1959 TO JANUARY 1963

RECEIVED: JANUARY 12, PAGE 01

1976

**PROJECTS:**  
VIRGINIA SOIL SURVEY

**GENERAL GEOGRAPHIC AREA:**  
NORTH AMERICA, U.S., VIRGINIA, NORTHUMBERLAND COUNTY

**ABSTRACT:**  
A SOIL SURVEY OF NORTHUMBERLAND COUNTY, VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS OF NORTHUMBERLAND COUNTY, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS.

## DATA AVAILABILITY:

**PLATFCRM TYPES:**  
FIXED STATION: AIRCRAFT

**ARCHIVE MEDIA:**  
REPORTS  
33 PAGE INHOUSE REPORT

**FUNDING:**  
US DOA

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

PETRI 703 951 6481  
VIRGINIA POLYTECHNIC INSTITUTE  
AGRONOMY DEPT  
BLACKSBURG VIRGINIA USA 24061

**GRID LOCATOR (LAT):**  
730787

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE YMD	15	STATIONS	.....	.....
TIME	EARTH	STATION TIME	.....	15	STATIONS	MONTHLY	.....
SOIL TYPE	LAND	AERIAL PHOTOGRAPH	Y	15	STATIONS	MONTHLY	.....
PERMEABILITY	LAND	VISUAL	INCHES PER HOUR	15	STATIONS	MONTHLY	.....
SOIL MOISTURE	LAND	CALCULATED	PERCENT	15	STATIONS	MONTHLY	.....
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	15	STATIONS	MONTHLY	.....
NITROGEN	LAND	TITRATION	PERCENT	15	STATIONS	MONTHLY	.....
OXIDES	LAND	TITRATION	PERCENT	15	STATIONS	MONTHLY	.....
CALCIUM	LAND	TITRATION	MEG PER 100GM	15	STATIONS	MONTHLY	.....
MAGNESIUM	LAND	TITRATION	MEG PER 100GM	15	STATIONS	MONTHLY	.....
SODIUM	LAND	FLAME SPECTROMETER	MEG PER 100GM	15	STATIONS	MONTHLY	.....

004775

PAGE 02  
SOIL SURVEY OF NORTHUMBERLAND COUNTY, VIRGINIA (CONT.)

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POTASSIUM	LAND	Y	FLAME SPECTROMETER MEG PER 100GM	15	STATIONS	MONTHLY	
PH	LAND	Y	COLORIMETRY	15	STATIONS	MONTHLY	
PHOSPHORUS	LAND	COLORIMETRY	PPM	15	STATIONS	MONTHLY	
EXCHANGEABLE	LAND	ATOMIC ABSORPTION	PPM	15	STATIONS	MONTHLY	
MANGANESE	AIR	SPECTROMETRY	INCHEES	15	STATIONS	MONTHLY	
PRECIPITATION		DIRECT					
AMOUNT							

120

00477E

SOIL SURVEY OF VIRGINIA BEACH, VIRGINIA

RECEIVED: JANUARY 12, 1976 PAGE 01

DATA COLLECTED: JANUARY 1939 TO JANUARY 1945

**PROJECTS:**  
VIRGINIA SOIL SURVEY

**GENERAL GEOGRAPHIC AREA:**  
NORTH AMERICA, U.S., VIRGINIA, VIRGINIA BEACH

**ABSTRACT:**

A SOIL SURVEY OF VIRGINIA BEACH, VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS OF VIRGINIA BEACH, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS.  
(PRIOR TO 1963, VIRGINIA BEACH WAS KNOWN AS PRINCESS ANNE COUNTY.)

**DATA AVAILABILITY:**

**PLATFORM TYPES:**  
FIXED STATION; AIRCRAFT

**ARCHIVE MEDIA:**

REPORTS  
37 PAGE INHOUSE REPORT

**FUNDING:**  
US DOA

**INVENTORY:****PUBLICATIONS:****PARAMETER IDENTIFICATION SECTION:**

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	10	STATIONS	MONTHLY	
TIME	EARTH	STATION TIME	YMD	10	STATIONS	MONTHLY	
SOIL TYPE	LAND	AERIAL PHOTOGRAPH	Y	10	STATIONS	MONTHLY	
PERMEABILITY	LAND	VISUAL	INCHES PER HOUR	10	STATIONS	MONTHLY	
SOIL MOISTURE	LAND	CALCULATED	PERCENT	10	STATIONS	MONTHLY	
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	10	STATIONS	MONTHLY	
NITROGEN	LAND	TITRATION	PERCENT	10	STATIONS	MONTHLY	
OXIDES	LAND	TITRATION	PERCENT	10	STATIONS	MONTHLY	
CALCIUM	LAND	TITRATION	MEG PER 100GM	10	STATIONS	MONTHLY	
MAGNESIUM	LAND	TITRATION	MEG PER 100GM	10	STATIONS	MONTHLY	

00477E

## SOIL SURVEY OF VIRGINIA BEACH, VIRGINIA (CONT.)

PAGE 02

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SODIUM	LAND	FLAME SPECTROMETR <sup>Y</sup>	MEG PER 100GM	10	STATIONS	MONTHLY	
POTASSIUM	LAND	FLAME SPECTROMETR <sup>Y</sup>	MEG PER 100GM	10	STATIONS	MONTHLY	
PH	LAND	COLORIMETRY	PPM	10	STATIONS	MONTHLY	
PHOSPHORUS EXCHANGEABLE	LAND	COLORIMETRY ATOMIC ABSORPTION	PPM	10	STATIONS	MONTHLY	
MANGANESE	LAND	SPECTROMETRY	DIRECT	10	STATIONS	MONTHLY	
PRECIPITATION	AIR		INCHES	10	STATIONS	MONTHLY	
AMOUNT							

004786

SOIL SURVEY OF STAFFORD COUNTY, VIRGINIA

DATA COLLECTED: JANUARY 1966 TO JANUARY 1974

RECEIVED: JANUARY 12, 1976 PAGE 01

PROJECTS:  
VIRGINIA SOIL SURVEYGENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., VIRGINIA, STAFFORD COUNTY

## ABSTRACT:

A SOIL SURVEY OF STAFFORD COUNTY, VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS OF STAFFORD COUNTY, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS.

## DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION; AIRCRAFT

## ARCHIVE MEDIA:

REPORTS  
36 PAGE INHOUSE REPORT

## FUNDING:

US DOA

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

PETRI 703 951 6481  
VIRGINIA POLYTECHNIC INSTITUTE  
AGRONOMY DEPT  
BLACKSBURG VIRGINIA USA 24061GRID LOCATOR (LAT):  
730787

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE YMD	9	STATIONS	MONTHLY	.....
TIME	EARTH	STATION TIME	.....	9	STATIONS	MONTHLY	.....
SOIL TYPE	LAND	AERIAL PHOTOGRAPH	Y	9	STATIONS	MONTHLY	.....
PERMEABILITY	LAND	VISUAL	INCHES PER HOUR	9	STATIONS	MONTHLY	.....
SOIL MOISTURE	LAND	CALCULATED	PERCENT	9	STATIONS	MONTHLY	.....
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	9	STATIONS	MONTHLY	.....
NITROGEN	LAND	TITRATION	PERCENT	9	STATIONS	MONTHLY	.....
OXIDES	LAND	TITRATION	MEG PER 100GM	9	STATIONS	MONTHLY	FREE IRON OXIDE
CALCIUM	LAND	TITRATION	MEG PER 100GM	9	STATIONS	MONTHLY	.....
MAGNESIUM	LAND	TITRATION	MEG PER 100GM	9	STATIONS	MONTHLY	.....
SODIUM	LAND	FLAME SPECTROMETR	MEG PER 100GM	9	STATIONS	MONTHLY	.....

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POTASSIUM	LAND	FLAME SPECTROMETER	MEG PER 100GM	9	STATIONS	MONTHLY	
PH	LAND	Y	COLORIMETRY		STATIONS	MONTHLY	
PHOSPHORUS	LAND	Y	COLORIMETRY	9	STATIONS	MONTHLY	
EXCHANGEABLE	LAND	ATOMIC ABSORPTION	PPM	9	STATIONS	MONTHLY	
MANGANESE	LAND	SPECTROMETRY	PPM	9	STATIONS	MONTHLY	
PRECIPITATION	AIR	DIRECT	INCHES	9	STATIONS	MONTHLY	
	AMOUNT						

00490c

WACHAPREAGUE INLET STUDY III  
DATA COLLECTED: FEBRUARY 1970 TO FEBRUARY 1970

RECEIVED: FEBRUARY 06, 1976  
PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE INLET

ABSTRACT:

MISSION W007, FLIGHT 01, WAS ACCOMPLISHED ON FEBRUARY 21, 1970, UTILIZING A WALLOPS 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. (MISSION NUMBER W007, FLIGHT 01)

DATA / AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
183 9"X9" PRINTS

FUNDING:  
VIRGINIA INSTITUTE OF MARINE SCIENCE

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 824 3411  
NASA  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR ( LAT ):

730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	183 STATIONS	STATIONS	.....	.....
TIME	EARTH	SAMPLING TIME	YMDHM	183 STATIONS	4 RUNS	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	183 STATIONS			

004910

WACHAPREAGUE INLET STUDY 1  
DATA COLLECTED: JUNE 1969 TO JUNE 1969

PAGE 01  
RECEIVED: FEBRUARY 06, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE INLET

ABSTRACT:

MISSION W001, FLIGHT 01, WAS ACCOMPLISHED ON JULY 2, 1969, UTILIZING A WALLOPS 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.  
(MISSION NUMBER W001, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
184 9"X9" PRINTS

FUNDING:  
VIRGINIA INSTITUTE OF MARINE SCIENCE

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 824 3411  
NASA  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR ( LAT ):  
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE & LATITUDE	184 STATIONS	184 STATIONS	184 STATIONS	184 STATIONS
TIME	EARTH	SAMPLING TIME	YMDHM	184 STATIONS	4 RUNS	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	COLOR CAMERA PRINTS FROM AIRCRAFT	PRINTS	184 STATIONS			

00497C

PLANTS OF CAPE HENlopen  
DATA COLLECTED: JUNE 1974 TO AUGUST 1974

RECEIVED: JULY 25, 1975 PAGE 01

## PROJECTS:

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 THOUGH PARTICULAR ATTENTION WAS PAID TO THE PLANTS OF THE SALT MARSH, THE ACID BAG, AND THE BEACH DONE 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.  
(COLOR SLIDE PHOTOGRAPHS OF MANY OF THE PLANTS IN THE FIELD)

DATA AVAILABILITY:  
AVAILABLE FOR ONSITE STUDY ONLYPLATFORM TYPES:  
FIXED STATIONARCHIVE/MEDIA:  
PHOTOPRINTS  
100 SAMPLES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:  
RICHARD CLARKE 302 738 1212  
COLLEGE OF MARINE STUDIES  
ROBINSON HALL  
NEWARK DELAWARE USA 19711GRID LOCATOR (LAT):  
7307854055

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	1	STATIONS	SURFACE	
TIME	EARTH	STATION TIME	YMD	11	OBS	SURFACE	
TAXONOMIC LIST OF LAND PLANTS	LAND	KEY	INDIVIDUALS	50	OBS	SURFACE	APPROXIMATELY HALF OF SPECIMENS ARE LAND PLANTS AND HALF ARE TIDAL SALT MARSH PLANTS APPROXIMATELY HALF OF
TAXONOMIC LIST OF BENTHIC	LAND	KEY	INDIVIDUALS	50	OBS	SURFACE	

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
<b>PLANTS</b>							
SAMPLE OF BENTHIC PLANTS	LAND	FORMALIN	INDIVIDUALS	50	OBS	SURFACE	
SAMPLE OF LAND PLANTS	LAND	FORMALIN	INDIVIDUALS	50	OBS	SURFACE	

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
<b>PLANTS</b>							
SAMPLE OF BENTHIC PLANTS	LAND	FORMALIN	INDIVIDUALS	50	OBS	SURFACE	
SAMPLE OF LAND PLANTS	LAND	FORMALIN	INDIVIDUALS	50	OBS	SURFACE	

PLANTS

SPECIMENS ARE  
LAND PLANTS  
AND HALF ARE  
TIDAL SALT  
MARSH PLANTS

005059

THE GREAT MARSH, LEWES, DELAWARE: THE PHYSIOGRAPHY, CLASSIFICATION, AND  
GEOLOGIC HISTORY OF A COASTAL MARSH  
DATA COLLECTED: 1971 TO 1972

PAGE 01  
RECEIVED: OCTOBER 03, 1975

PROJECTS:

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 CALSSIFICATION IS PROPOSED.

DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:  
REPORTS  
123 PAGES

FUNDING:  
OCEAN THEMIS SEDIMENTARY ENVIRONMENTS, OFFICE OF NAVAL RESEARCH

INVENTORY:

PUBLICATIONS:  
ELLIOTT, G.K.: 1973. THE GREAT MARSH, LEWES, DELAWARE: THE PHYSIOGRAPHY, CLASSIFICATION, AND GEOLOGIC HISTORY OF A COASTAL  
MARSH. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 123 P.

CONTACT:

CLEN K. ELLIOTT 302 738 2569  
GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE  
LEWES DELAWARE USA 19711

GRID LOCATOR (LAT):  
73078541

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	GENERAL AREA	MAP LOCATION	1	STATIONS		GREAT MARSH-
TIME	EARTH	STATION TIME	Y DESCRIPTIVE WORD RANGES	1	STATIONS OBS		LEWES,
SEDIMENT STRUCTURE	SEDIMENT	VISUAL	65				DELAWARE
SPECIES	LAND	KEY	SPECIES	1	STATIONS		26 AUGER STATIONS; 39 CORE STATIONS
DETERMINATION OF BENTHIC PLANTS							

005059

THE GREAT MARSH, LEWES, DELAWARE: THE PHYSIOGRAPHY, CLASSIFICATION, AND (CONT.)  
GEOLOGIC HISTORY OF A COASTAL MARSH

PAGE 02

PARAMETER IDENTIFICATION SECTION:

NAME .....	SPHERE .....	METHOD .....	UNITS .....	DATA AMOUNT .....	FREQUENCY .....	HEIGHT/DEPTH .....	REMARKS .....
PALEONTOLOGY	SEDIMENT	KEY	SPECIES	65	OBS		VISUAL AND MICROSCOPE IDENTIFICATION OF FORAMS AND BENTHIC ANIMALS

## PROJECTS:

GENERAL GEOGRAPHIC AREA:  
 NORTH AMERICA, ATLANTIC SEABOARD, DELAWARE BAY, SOUTHWEST PHILADELPHIA, TINICUMMARS

## 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.

DATA AVAILABILITY:  
 AT COST OF REPRODUCTION

PLATFORM TYPES:  
 FIXED STATION

ARCHIVE MEDIA:  
 REPORTS  
 APPROX 50 PAGE REPORT

FUNDING:  
 JACK MCCORMICK AND ASSOCIATES

## INVENTORY:

## PUBLICATIONS:

CONTACT:  
 JAMES A. SCHMID 215 647 3110  
 JACK MCCORMICK AND ASSOCIATES  
 60 WATERLOO RD.  
 DEVON PENNSYLVANIA USA 19333

GRID LOCATOR (LAT):  
 73079551

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	STATION TIME	YMDL	1	STATIONS		
SOIL STRUCTURE	LAND	VISUAL		1	STATIONS		HUNDREDS OF FEET
SPECIES DETERMINATION OF LAND PLANTS	LAND	KEY					
SPECIES DETERMINATION OF BIRDS	AIR	KEY		32	STATIONS		REPORTED SEASONALLY, INCLUDES DESCRIPTION OF HABITATS

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF MAMMALS	LAND	KEY		1	STATIONS		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		1	STATIONS		
SPECIES DETERMINATION OF REPTILES	LAND	KEY		1	STATIONS		
SPECIES DETERMINATION OF REPTILES	WATER	KEY		1	STATIONS		
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY		1	STATIONS		
POSITION	EARTH	FIXED POINT		1	STATIONS		

006644

RHODE RIVER WATERSHED VEGETATIVE AND DRAINAGE STUDY  
DATA COLLECTED: OCTOBER 1971 TO OCTOBER 1971

RECEIVED: AUGUST 30, 1976 PAGE 01

## PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., MARYLAND, RHODE RIVER

## ABSTRACT:

MISSION W089, FLIGHT01, WAS ACCOMPLISHED ON OCTOBER 7, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL IMAGERY OF THE RHODE RIVER WATERSHED FOR USE BY SMITHSONIAN INSTITUTE INVESTIGATORS IN COMPILED AN INTEGRATED STUDY OF THE WATERSHED VEGETATION, SOIL, AND SURFACE WATER OVER AN EXTENDED PERIOD OF TIME.

(MISSION W089, FLIGHT01)

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFTARCHI / E MEDIA:  
PHOTOPRINTS  
172 9" X 9" PRINTSFUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

## INVENTORY:

## PUBLICATIONS:

CONTACT:  
MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337GRID LOCATOR (LAT):  
73078655

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE YMD	172 OBS	1 FLIGHT PER LINE	152 AND FOUR-TENTHS MM	FOCAL LENGTH
TIME	EARTH	STATION TIME		172 OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	172 OBS	5000 FEET	LINE	

006646

CECIL COUNTY WETLAND STUDIES-MARYLAND  
DATA COLLECTED: OCTOBER 1971 TO OCTOBER 1971

RECEIVED: AUGUST 30, 1976 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., MARYLAND, CECIL COUNTY

ABSTRACT:

MISSION W090, FLIGHT01, WAS ACCOMPLISHED ON OCTOBER 15, 1971, UTILIZING THE WALLOPS 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.  
(MISSION W090, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

PHOTOPRINTS  
246 9" X 9" PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
73079555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE YMD	246	OBS	1 FLIGHT PER LINE	152 AND FOUR-TENTHS MM
TIME	EARTH	STATION TIME		246	OBS	1 FLIGHT PER LINE	FOCAL LENGTH
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	246	OBS	10000 AND 2000 FEET	152 AND FOUR-TENTHS MM
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	246	OBS	10000 AND 2000 FEET	FOCAL LENGTH

007191

RHODE RIVER WATERSHED STUDY

RECEIVED: SEPTEMBER 14, 1971 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., MARYLAND, RHODES RIVER WATERSHED

## ABSTRACT:

MISSION W073, FLIGHT01, WAS ACCOMPLISHED ON JULY 13, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN LARGE SCALE COLOR AND FALSE COLOR INFRARED IMAGERY OF THE RHODE RIVER WATERSHED FOR USE IN STUDYING THE INTERRELATIONSHIPS OF BIOLOGICAL, CULTURAL, AND METEOROLOGICAL FACTORS ON THE WATERSHED OVER AN EXTENDED PERIOD OF TIME.  
(MISSION W073, FLIGHT01)

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFTARCHIVI: MEDIA:  
PHOTOPRINTS  
190 9" X 9" PRINTSFUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

MICHAEL CONGER 804 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
73078655

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE YMD	190 OBS	1 FLIGHT LINE	1200 AND 2500 FEET	TENTHS MM
TIME	EARTH	STATION TIME		190 OBS	1 FLIGHT LINE	FOCAL LENGTH	TENTHS MM
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	190 OBS	1 FLIGHT LINE	152 AND 152 FEET	TENTHS MM
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	190 OBS	1 FLIGHT LINE	152 AND 152 FEET	TENTHS MM

007195

VIRGINIA BARRIER ISLAND STUDY  
DATA COLLECTED: SEPTEMBER 1971 TO SEPTEMBER 1971

RECEIVED: SEPTEMBER 14, 1976 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA EASTERN SHORE

ABSTRACT:

MISSION W075, FLIGHT08, WAS ACCOMPLISHED ON SEPTEMBER 2, 1971, UTILIZING THE WALLOPS 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 WALLOPS ISLAND TO PARRAMORE ISLAND.  
(MISSION W075, FLIGHT08)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
2 IDOPRINTS  
117 9" X 9" PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	117	OBS	.....	.....
TIME	EARTH	STATION TIME	YMD	117	OBS	2 FLIGHTS PER LINE	.....
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	117	OBS	2 FLIGHTS PER LINE	152 AND FOUR-TENTHS MM FOCAL LENGTH

00719c

WACHAPREAGUE WETLAND STUDIES

PAGE 01  
RECEIVED: SEPTEMBER 14, 1971

DATA COLLECTED: AUGUST 1971 TO AUGUST 1971

**PROJECTS:**

**GENERAL GEOGRAPHIC AREA:**  
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE

**ABSTRACT:**

MISSION W078, FLIGHT02, WAS ACCOMPLISHED ON AUGUST 4, 1971, UTILIZING A WALLOPS 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.  
(MISSION W078, FLIGHT02)

**DATA AVAILABILITY:**

**PLATFORM TYPES:**  
AIRCRAFT

**ARCHIVE MEDIA:**

PHOTOPRINTS  
147 9" X 9" PRINTS

**FUNDING:**  
NATIONAL AERONAUTICS AND SPACE ADM

**INVENTORY:****PUBLICATIONS:****CONTACT:**

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

**GRID LOCATOR (LAT):**  
73077555

**PARAMETER IDENTIFICATION SECTION:**

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE YMD	147	OBS	1 FLIGHT PER LINE	
TIME	EARTH	STATION TIME	YMD	147	OBS	1 FLIGHT PER LINE	
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	147	OBS	5000 FEET 1 FLIGHT PER LINE	152 AND FOUR-TENTHS MM FOCAL LENGTH

007201

TIDAL WETLAND STUDIES AT WACHAPREAGUE INLET  
DATA COLLECTED: AUGUST 1971 TO AUGUST 1971

PAGE 01  
RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE

ABSTRACT:

MISSION W079, FLIGHT02, WAS ACCOMPLISHED ON AUGUST 20, 1971, UTILIZING A WALLOPS 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.  
(MISSION W079, FLIGHT02)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

240 TOPOPRINTS  
99 9" X 9" PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 821 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	99	OBS	3 FLIGHTS PER LINE	152 AND FOUR-TENTHS MM FOCAL LENGTH
TIME	EARTH	STATION TIME	YMD	99	OBS	3 FLIGHTS PER LINE	5000 FEET
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	99	OBS	3 FLIGHTS PER LINE	

## PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., MARYLAND, RHODES RIVER WATERSHED

## ABSTRACT:

MISSION WOBO, FLIGHT01, WAS ACCOMPLISHED ON AUGUST 23, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN LARGE AND SMALL IMAGERY OF THE RHODES RIVER WATERSHED. THE IMAGERY WILL BE USED IN CONJUNCTION WITH EXTENSIVE GROUND TRUTH INFORMATION IN PREPARING A COMPREHENSIVE LAND USE AND ECOSYSTEMS STUDY OF THE WATERSHED.  
(MISSION WOBO, FLIGHT01)

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

## ARCHIVE MEDIA:

PHOTOPRINTS  
327 9" X 9" PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM  
INVENTORY:

## PUBLICATIONS:

## CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
73078655

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	327 OBS			
TIME	EARTH	STATION TIME	YMD	327 OBS	3 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	327 OBS	3 FLIGHTS PER LINE	3500 AND 10,000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

007216

RHODE RIVER WATERSHED DRAINAGE STUDY  
DATA COLLECTED: JANUARY 1972 TO JANUARY 1972

PAGE 01  
RECEIVED: SEPTEMBER 16, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., MARYLAND, RHODE RIVER WATERSHED

ABSTRACT:

MISSION W105, FLIGHT 01, WAS ACCOMPLISHED ON JANUARY 21, 1972 UTILIZING A WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN WINTER IMAGERY OF THE RHODE RIVER WATERSHED TO BE USED IN STUDYING EROSIONAL PROCESSES AT WORK WITHIN THE AREA WITHOUT THE INTERFERENCE OF LEAF COVERAGE IN WOODED AREAS. A RUN WAS MADE OVER FOLIAR AND COACHE'S ISLANDS FOR OBTAINING DATA OF EROSIONAL PROCESSES AT WORK ON THE BAYSIDE OF THE ISLANDS. (MISSION, W105, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTO PRINTS  
184 9"X9" PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
73079655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE YMDHM	184 OBS	1 FLIGHT PER LINE	152 AND FOUR-TENTHS MM	FOCAL LENGTH
TIME	EARTH	SAMPLING TIME	YMDHM	184 OBS	1 FLIGHT PER LINE	2500 FEET	
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	184 OBS			

007212

VIRGINIA WETLAND STUDY  
DATA COLLECTED: FEBRUARY 1972 TO FEBRUARY 1972

RECEIVED: SEPTEMBER 16, 1972 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., VIRGINIA

ABSTRACT:

MISSION W106, FLIGHT 02, WAS ACCOMPLISHED ON FEBRUARY 1, 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 COLOR INFRARED PHOTOGRAPHY OF MARSHEES AND WETLANDS DURING THE DORMANT WINTER PERIOD FOR COMPARISON WITH IMAGERY TAKEN DURING THE ACTIVE SEASON.  
(MISSION W106, FLIGHT 02 )

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
2 IOTOPRINTS  
130 9"x9" PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:  
MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
73077555 73077634 73077655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	130 OBS	.....	.....	.....
TIME	EARTH	SAMPLING TIME	YMDHM	130 OBS	1 FLIGHT PER LINE	.....	.....
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	130 OBS	1 FLIGHT PER LINE	152 AND FOUR- TENTHS MM FOCAL LENGTH	.....

007214

TERRAIN STUDY OF TOM'S COVE, VIRGINIA  
DATA COLLECTED: FEBRUARY 1972 TO FEBRUARY 1972

RECEIVED: SEPTEMBER 16, 1972 PAGE 01

PROJECTS:

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 WALLOPS 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.  
(MISSION W106, FLIGHT 04 )

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
EPRINTS  
28 9"X9" PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR ( LAT ):  
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE YMDHM	28	OBS	1 FLIGHT PER LINE	
TIME	EARTH	SAMPLING TIME		28	OBS		
PHOTOGRAPH	EARTH	COLOR CAMERA	PRINTS	28	OBS	1 FLIGHT PER LINE	152 AND FOUR- TENTHS MM FOCAL LENGTH
		FROM AIRCRAFT					

## PROJECTS:

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 WALELOPS 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.  
(MISSION W107, FLIGHT 01 )

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
285 9"X9" PRINTS

## FUNDING:

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALELOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
73076525 73075555 73075535 73075525 73075610 73074645 73074655

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	LONGITUDE AND LATITUDE	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT		YMDHM	285 OBS	2 FLIGHT PER LINE	152 AND FOUR- TENTHS MM	
TIME	EARTH	SAMPLING TIME			285 OBS	2 FLIGHT PER LINE	10,000 FEET	
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS		285 OBS	2500, 5000 & 10,000 FEET	TENTHS MM FOCAL LENGTH	

007217

ASSATEAGUE ISLAND STUDY-MARYLAND  
DATA COLLECTED: FEBRUARY 1972 TO FEBRUARY 1972

PAGE 01  
RECEIVED: SEPTEMBER 16, 1972

PROJECTS:

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 WALLOPS 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 LITTORAL EROSIONAL CHANGES BROUGHT ABOUT BY LATE FALL AND EARLY WINTER STORMS.  
(MISSION W107, FLIGHT 03 )

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

PHOTOGRAPHS  
67 9"X9" PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 821 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR ( LAT ):  
73077554 73078541

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	67	OBS	1 FLIGHT PER LINE	.....
TIME	EARTH	STATION TIME	YMD	67	OBS	1 FLIGHT PER LINE	.....
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	67	OBS	1 FLIGHT PER LINE	152 AND FOUR-TENTHS MM FOCAL LENGTH

007222

RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES-MARYLAND  
DATA COLLECTED: MARCH 1972 TO MARCH 1972

PAGE 01  
RECEIVED: SEPTEMBER 16, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., MARYLAND, RHODE RIVER

ABSTRACT:

MISSION W116, FLIGHT 02, WAS ACCOMPLISHED ON MARCH 28, 1972, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND ONE AAD-2 THERMAL IR SCANNER IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO PROVIDE COMPARATIVE COLOR AND INFRARED IMAGERY OF THE RHODE RIVER WATERSHED.  
(MISSION W116, FLIGHT 02 )

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
240 9"X9" PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR ( LAT ):  
73076655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	36	OBS	.....	.....
TIME	EARTH	STATION TIME	YMD	36	OBS	1 FLIGHT PER LINE	152 AND FOUR- TENTHS MM AND 20 AND ONE- TENTH MM FOCAL LENGTHS
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	36	OBS	1 FLIGHT PER LINE	152 AND FOUR- TENTHS MM AND
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	36	OBS	1 FLIGHT PER LINE	152 AND FOUR- TENTHS MM AND

## RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES-MARYLAND (CONT.)

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
.....	.....	.....	.....	.....	.....	.....	.....

20 AND ONE-  
TENT MM FOCAL  
LENGTHS

007223

CHESAPEAKE BAY AREA LAND FORMS  
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: SEPTEMBER 16, 1972 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY AREA

ABSTRACT:

MISSION W117, FLIGHT 01, 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 DISECTED UPLANDS, AND HEAVILY WOODED LOWLANDS.  
(MISSION W117, FLIGHT 01 )

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:

240TPRINTS  
277 70MM PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
73078650 73077555 73078503 73078635 73078634 73078754 73078740

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH -	FIXED POINT	LONGITUDE AND LATITUDE YMD	277	STATIONS	.....	.....
TIME	EARTH	STATION TIME	.....	277	OBS	4 FLIGHTS PER LINE	.....
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	277	OBS	4 FLIGHTS PER LINE	5000 & 10,000 40 MM FOCAL LENGTH FEET

007394

GEOLOGICAL INVESTIGATIONS OF MARYLAND'S ATLANTIC OCEAN AND CHESAPEAKE BAY  
SHORELINES

DATA COLLECTED: NOVEMBER 1973 TO NOVEMBER 1973

PAGE 01

RECEIVED: NOVEMBER 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., MARYLAND

ABSTRACT:

MISSION W245, FLIGHT 01, WAS ACCOMPLISHED ON NOVEMBER 1, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND AN I25 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.  
(MISSION W245, FLIGHT 01 )

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS

600, 70MM PRINTS; 134, 9"X9" PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
73078540 73078502 73078515 73077555 73078643 73078732 73078740 73078621 73078740 73078613 73079603 73078653

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	734 OBS	.....	.....	.....
TIME	EARTH	STATION TIME	YMD	734 OBS	5 FLIGHTS PER LINE	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	734 OBS	5 FLIGHTS PER LINE	9500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	734 OBS	5 FLIGHTS PER LINE	9500 FEET	100 MM FOCAL LENGTH

007395

GEOLOGICAL INVESTIGATIONS OF MARYLAND'S ATLANTIC OCEAN AND CHESAPEAKE BAY  
SHORELINES  
DATA COLLECTED: NOVEMBER 1973 TO NOVEMBER 1973

PAGE 01  
RECEIVED: NOVEMBER 01, 1976

## PROJECTS:

GENERAL. GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., MARYLAND

## ABSTRACT:

MISSION W245, FLIGHT 02, WAS ACCOMPLISHED ON NOVEMBER 2, 1973, UTILIZING THE WALLOPS 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 PHOTOGRAPHIC IMAGERY OF CHESAPEAKE BAY AND POTOMAC RIVER SHORELINES FOR USE IN ASSESSING THE VALUE OF ERTS IMAGERY IN MONITORING SHORELINE CHANGES.  
(MISSION W245, FLIGHT 02 )

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
137, 9"X9" PRINTS

## FUNDING:

NATIONAL AERONAUTICS AND SPACE ADM

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

MICHAEL CONGER 804 324 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR ( LAT ):  
73079641 73078654 73079643 73078634 73079650

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	137	OBS	.....	.....
TIME	EARTH	STATION TIME	YMD	137	OBS	2 FLIGHTS PER LINE	152 AND FOUR- TENTHS MM
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	137	OBS	2 FLIGHTS PER LINE	FOCAL LENGTH 152 AND FOUR- TENTHS MM
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	137	OBS	2 FLIGHTS PER LINE	152 AND FOUR- TENTHS MM

007395

GEOLOGICAL INVESTIGATIONS OF MARYLAND'S ATLANTIC OCEAN AND CHESAPEAKE BAY (CONT.)  
SHORELINES

PAGE 02

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
.....	.....	.....	.....	.....	.....	.....	.....

FOCAL LENGTH

007396

REHOBETH BAY AND INDIAN RIVER BAY WETLANDS STUDY DELAWARE  
DATA COLLECTED: OCTOBER 1973 TO OCTOBER 1973

PAGE 01  
RECEIVED: NOVEMBER 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., DELAWARE

ABSTRACT:

MISSION W244, FLIGHT 01, WAS ACCOMPLISHED ON OCTOBER 15, 1973, UTILIZING THE WALLOPS 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.  
(MISSION W244, FLIGHT 01 )

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
266, 9"X9" PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
73078551 73073541 73078531

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	266 OBS	.....	.....	.....
TIME	EARTH	STATION TIME	YMD	266 OBS	5 FLIGHTS PER LINE	.....	.....
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	266 OBS	5 FLIGHTS PER LINE	6000 FEET	152 AND FOUR- TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	266 OBS	5 FLIGHTS PER LINE	6000 FEET	152 AND FOUR- TENTHS MM FOCAL LENGTH

161

00747;

SPOILED WETLANDS RECOVERY STUDY  
DATA COLLECTED: JANUARY 1972 TO PRESENT

RECEIVED: NOVEMBER 23, 1976  
PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:

NORTH AMERICA, COASTAL PLAIN, U.S., MARYLAND, QUEEN ANN COUNTY

ABSTRACT:

A STUDY OF VEGETATIVE REHABILITATION OF THREE DISTURBED MARSHES IN QUEEN ANN COUNTY, MARYLAND IS BEING CONDUCTED. ALL SUBMERGENT AND EMERGENT PLANTS TO 3 FOOT WATER DEPTH AT THREE DISTURBED AREAS, AND 52 STATIONS PER DISTURBED AREA ARE BEING STUDIED. SAMPLES ARE TAKEN EARLY AND LATE SUMMER.

DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:

DATA SHEETS  
ONE NOTEBOOK

FUNDING:  
MD DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:

JAMES R. GOLDBERRY, DIRECTOR 301 267 5195  
MARYLAND WILDLIFE ADMINISTRATION, DEPARTMENT OF NATURAL RESOURCES  
TOWES STATE BUILDING  
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):  
7307960200

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE YMD	3	STATIONS	.....	.....
TIME	EARTH BOTTOM	STATION TIME KEY		3	STATIONS	TWICE/YEAR	
SPECIES	DETERMINATION OF BENTHIC PLANTS			3	STATIONS	TWICE/YEAR	
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	NUMBER/SPECIES AND RELATIVE DENSITY	3	STATIONS	TWICE/YEAR	
BOTTOM TYPE	BOTTOM	VISUAL		3	STATIONS	TWICE/YEAR	DESCRIPTION OF BOTTOM CHARACTER AS

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
.....	.....	.....	.....	.....	.....	.....	FIRM OR MUCK AND DEPTH OF MUCK

00747E

SPOIL STUDIES ON THE EASTERN SHORE OF MARYLAND  
DATA COLLECTED: JANUARY 1974 TO PRESENT

RECEIVED: NOVEMBER 23, 1976  
PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, COASTAL PLAIN, U.S., MARYLAND, QUEEN ANN, SOMERSET, WACOMICO, 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.

DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:  
DATA SHEETS  
CNE NOTEBOOK

FUNDING:  
MD DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:

JAMES R. GOLDBERRY, DIRECTOR 301 267 5195  
MARYLAND WILDLIFE ADMINISTRATION, DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE BUILDING  
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):  
73077555 7307961050

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	6	STATIONS	.....	.....
TIME	EARTH	STATION TIME	YMD	6	STATIONS	ONCE PER YEAR	.....
SPECIES	LAND	KEY		6	STATIONS	ONCE PER YEAR	.....
DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY		6	STATIONS	ONCE PER YEAR	.....
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	VISUAL		6	STATIONS	ONCE PER YEAR	.....
COUNT OF BENTHIC PLANTS		ESTIMATED ABUNDANCE		6	STATIONS	ONCE PER YEAR	.....

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	ESTIMATED ABUNDANCE	6	STATIONS	ONCE PER YEAR	.....

007479

MARSH AND CREEK VEGETATION SURVEY  
DATA COLLECTED: JULY 1975 TO PRESENT

RECEIVED: NOVEMBER 23, 1976  
PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, COASTAL PLAIN, U.S., MARYLAND, QUEEN ANN COUNTY

ABSTRACT:

A SURVEY OF THE MARSH AND CREEK VEGETATION OF QUEEN ANN COUNTY, BAY SIDE OF EASTERN SHORE, MARYLAND IS BEING CONDUCTED. ALL PLANTS FROM THE HIGH MARSH EMERGENT TO AQUATIC SUBMERGENT OF CREEKS FROM HEAD WATER TO MOUTH ARE NOTED. 7 MARSH TRANSECTS WITH 5 STATIONS EACH, AND 14 CREEK TRANSECTS WITH 6 STATIONS EACH ARE MEASURED.

DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:

DATA SHEETS  
ONE NOTEBOOKS

FUNDING:  
MD DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:  
JAMES R. GOLDBERRY, DIRECTOR 301 267 5195  
MARYLAND WILDLIFE ADMINISTRATION, DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE BUILDING  
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):  
7307960200

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	.....	.....	.....	.....	.....
TIME	EARTH - LAND	STATION TIME KEY	STATION TIME	LATITUDE AND LONGITUDE YMD	11	STATIONS	STATIONS
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY			11	STATIONS	STATIONS
SPECIES DETERMINATION OF BENTHIC PLANTS COUNT OF BENTHIC PLANTS	LAND	VISUAL		SPECIES ABUNDANCE AND	11	STATIONS	STATIONS

00747S

MARP AND CREEK VEGETATION SURVEY (CONT.)

PAGE 02

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
.....	.....	.....	.....	.....	.....	.....	.....
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	RELATIVE ABUNDANCE SPECIES ABUNDANCE AND RELATIVE ABUNDANCE	11	STATIONS	.....	.....

007481

NUTRIA SURVEY OF MARYLAND WETLANDS  
DATA COLLECTED: JANUARY 1974 TO DECEMBER 1976

PAGE 01  
RECEIVED: NOVEMBER 23, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, COASTAL, U.S., MARYLAND, DORCHESTER COUNTY WETLANDS

ABSTRACT:

A SURVEY OF DORCHESTER COUNTY, MARYLAND, NUTRIA POPULATIONS WAS CONDUCTED. ANALYSIS INCLUDED SEX RATIOS, RANGE, POPULATION DENSITY, MORPHOMETRIC MEASUREMENTS, FOOD AND HABITAT SELECTION AND CONTROLLED BURNING OF SELECTED HABITAT TYPES. CENSUS INCLUDED BOTH GROUND AND AERIAL PHOTOGRAPHY. MARSH TYPES WERE CLASSED BY HABITAT PREFERENCE AND PLANT COMMUNITY TYPES. CONTROLLED BURNINGS WERE USED TO ESTIMATE EFFECT AND RECOVERY OF BOTH NUTRIA AND VEGETATION. (MONOGRAPH IN PREPARATION)

DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION; AIRCRAFT

ARCHIVE MEDIA:  
DATA SHEETS  
5 NOTEBOOKS

FUNDING:  
MD DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:  
JAMES R. GOLDBERRY, DIRECTOR 301 267 5195  
MARYLAND WILDLIFE ADMINISTRATION, DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE BUILDING  
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):  
7307862255 7307865400

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	1	STATIONS	.....	.....
TIME	EARTH	STATION TIME KEY	YMD	1	STATIONS	DAILY	.....
SPECIES DETERMINATION OF MAMMALS	LAND	VISUAL	NUMBER/TRANSECT	1	STATIONS	DAILY	NUTRIA WERE LIVE TRAPPED ALONG MARSH TRANSECTS
COUNT OF MAMMALS STOMACH CONTENT ANALYSIS OF	LAND	VISUAL	DRY WEIGHT VOLUME/PLANT	1	STATIONS	DAILY	.....

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
MAMMALS SEX DETERMINATION N OF MAMMALS	LAND	VISUAL	SPECIES PERCENT	1	STATIONS DAILY		
WEIGHT OF MAMMALS	LAND	TOTAL WEIGHT	GRAMS	1	STATIONS DAILY		
BIOLOGICAL CONDITION OF MAMMALS	LAND	HISTOLOGICAL	INCIDENCE / ANIMAL	1	STATIONS DAILY	FESTER AND SMEAR	
MORPHOMETRIC MEASUREMENT OF MAMMALS	LAND	DIRECT	CENTIMETER	1	STATIONS DAILY	EAR LENGTH, TAIL LENGTH, HINDFOOT LENGTH, TOTAL LENGTH	
MIGRATION STUDY OF MAMMALS	LAND	TAGGING STUDIES	POPULATION ESTIMATES, RANGE	1	STATIONS DAILY		MARKED RECAPTURE
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY		1	STATIONS DAILY		
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER/SPECIES	1	STATIONS DAILY		
WEIGHT OF BENTHIC PLANTS	LAND	DRY WEIGHT	PERCENT DRY WEIGHT/SPECIES	1	STATIONS DAILY		

007485

DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-MARYLAND  
DATA COLLECTED: OCTOBER 1973 TO OCTOBER 1973

RECEIVED: NOVEMBER 23, 1976  
PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., MARYLAND, DELAWARE

ABSTRACT:

MISSION W251. FLIGHT 01, WAS ACCOMPLISHED ON OCTOBER 16, 1973, UTILIZING THE WAL-OPS 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.  
(MISSION W251, FLIGHT 01 )

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
61, 9"X9" PRINTS, 244, 70 MM PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
7307864032 730785F313

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	305 OBS	.....	.....	.....
TIME	EARTH	STATION TIME	YMD	305 OBS	5 FLIGHTS PER LINE	5 FLIGHTS PER LINE	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	305 OBS	5 FLIGHTS PER LINE	5500 FEET	100 MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	305 OBS	5 FLIGHTS PER LINE	5500 FEET	100 MM FOCAL LENGTH

007831

AN ENVIRONMENTAL INVENTORY OF THE QUEEN ANNE'S HARBOR TRACT  
DATA COLLECTED: SEPTEMBER 1973 TO DECEMBER 1973

RECEIVED: JULY 26, 1976 PAGE 01

## PROJECTS:

GENERAL GEOGRAPHIC AREA: NORTH AMERICA, U.S., MARYLAND, ANNE ARUNDEL COUNTY, BOOKIN NECK AREA

ABSTRACT: BIOLOGICAL, PHYSICAL, AND CHEMICAL PARAMETERS WERE COLLECTED FROM SEPTEMBER THROUGH DECEMBER, 1973 TO PRODUCE A DATA BASELINE FOR THE QUEEN ANNE'S HARBOR, BROOKIN NECK AREA, MARYLAND. PARAMETERS INCLUDE SPECIES COUNT OF PLANTS, ANIMALS, AND FISH, NUTRIENTS, TEMPERATURE, SALINITY, METALS, TURBIDITY, AND DISSOLVED SOLIDS AND GASES. (PROJECT CARRIED OUT BY JACK MCCORMICK AND ASSOCIATES FOR STATE OF MARYLAND)

DATA AVAILABILITY: AVAILABLE UPON REQUEST FROM JACK MCCORMICK AND ASSOCIATES OFFICE IN BERWYN, PENNSYLVANIA

## PLATFORM TYPES:

FIXED STATION

ARCHIVE MEDIA:  
REPORTS  
85 PAGES

FUNDING:  
STATE OF MARYLAND, DEPARTMENT OF NATURAL RESOURCES

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

JACK MCCORMICK 215 647 9000  
JACK MCCORMICK AND ASSOCIATES  
511 OLD LANCASTER ROAD  
BERWYN PENNSYLVANIA USA 19312

GRID LOCATOR (LAT):  
7307963100

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	13	STATIONS	1 SURVEY	
TIME	EARTH	STATION TIME	YMD	13	STATIONS	1 SURVEY	
TAXONOMIC LIST	LAND	KEY	QUALITATIVE	1	STATIONS	1 SURVEY	
OF LAND PLANTS	AIR	VISUAL	QUALITATIVE	6	STATIONS	1 SURVEY	
COUNT OF BIRDS	AIR	KEY	QUALITATIVE	6	STATIONS	1 SURVEY	
SPECIES	AIR						
DETERMINATION							
OF BIRDS	WATER	VISUAL	QUALITATIVE	6	STATIONS	1 SURVEY	
COUNT OF AMPHIBIANS	WATER	KEY	QUALITATIVE	6	STATIONS	1 SURVEY	
SPECIES	WATER						

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF AMPHIBIANS	LAND	KEY	QUALITATIVE	6	STATIONS	1 SURVEY	
DETERMINATION OF MAMMALS	LAND	VISUAL	QUALITATIVE	6	STATIONS	1 SURVEY	
COUNT OF MAMMALS	WATER	RESISTANCE THERMOMETER	DEG C	13	STATIONS	1 SURVEY	
TEMPERATURE	WATER	CONDUCTIVITY LAB CONDUCTIVITY CELL	PARTS/THOUSAND MHOS/CENTIMETER	13	STATIONS	1 SURVEY	
SALINITY	WATER	PH METER	PH UNITS	13	STATIONS	1 SURVEY	
ELECTRICAL CONDUCTIVITY	WATER	TITRATION	MILLIGRAM/LITER	13	STATIONS	1 SURVEY	
PH	WATER	AUTOANALYZER SPECTROPHOTOMETRY	MILLIGRAM/LITER MILLIGRAM/LITER	13	STATIONS	1 SURVEY	
DISSOLVED OXYGEN GAS	WATER	SPECTROPHOTOMETRY TITRATION COLORIMETRY	MILLIGRAM/LITER MILLIGRAM/LITER FTU	13	STATIONS	1 SURVEY	
ORGANIC CARBON	WATER	COLORIMETRY	PLATINUM-COBALT UNITS	39	OBS	3 OBS/STATION	
KUELDahl	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
NITROGEN	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
PHOSPHATE	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
SULFATE	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
SULFIDE	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
LIGHT ATTENUATION	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
N	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
COLOR	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
ZINC	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
MERCURY	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
COPPER	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
IRON	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
LEAD	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
KUELDahl	SEDIMENT	SPECTROPHOTOMETRY DIGESTION	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
NITROGEN	SEDIMENT	TITRATION	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
SULFIDE	SEDIMENT	SPECTROPHOTOMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
PHOSPHATE	SEDIMENT	DIGESTION	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
CHEMICAL OXYGEN DEMAND	SEDIMENT	EXTRACTION/ WEIGHT	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
OILS	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
ZINC	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
MERCURY	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
COPPER	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
IRON	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
LEAD	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER/1000 SQUARE FOOT SEINE AREA	20	OBS	5 OBS/SURVEY	
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER/1000 SQUARE FOOT SEINE AREA	20	OBS	5 OBS/SURVEY	
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER/SQUARE FOOT	13	STATIONS	1 SURVEY	
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER/SQUARE FOOT	13	STATIONS	1 SURVEY	
COUNT OF ZOOPLANKTON SPECIES	WATER	VISUAL	NUMBER/CUBIC METER	3	OBS	1 SURVEY	
DETERMINATION OF ZOOPLANKTON	WATER	KEY	NUMBER/CUBIC METER	3	OBS	1 SURVEY	
COUNT OF PHYTOPLANKTON SPECIES	WATER	VISUAL	NUMBER/CUBIC METER	3	OBS	1 SURVEY	
DETERMINATION OF PHYTOPLANKTON	WATER	KEY	NUMBER/CUBIC METER	3	OBS	1 SURVEY	
COUNT OF MICROBIOFA	WATER	VISUAL	NUMBER/100 MILLILITER	39	OBS	3 OBS/STATION	
TOTAL DISSOLVED SOLIDS PARTICULATE MATTER	DISSOLVED WATER	DESICCATION WEIGHT MEMBRANE FILTRATION	MILLIGRAM/LITER MILLIGRAM/LITER	39 39	OBS	3 OBS/STATION 3 OBS/STATION	TOTAL COLIFORM; TOTAL STREPTOCOCCUS

00783c

BASELINE SURVEY FOR WYE ISLAND, MARYLAND  
DATA COLLECTED: JANUARY 1974 TO MARCH 1974

RECEIVED: JULY 26, 1976  
PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., MARYLAND, CHESAPEAKE BAY, EASTERN BAY, EASTERN SHORE, WYE ISLAND

ABSTRACT:

A DATA BASELINE SURVEY WAS COLLECTED FOR WYE ISLAND, MARYLAND. JANUARY THROUGH MARCH, 1974. THE FOLLOWING DATA WAS COLLECTED: GEOLOGY, EROSION, WIND, RAINFALL, TEMPERATURE, SOIL CHARACTERISTICS, WATER TABLE DEPTH, AND VEGETATION ON THE ISLAND.

DATA AVAILABILITY:

AVAILABLE UPON REQUEST FROM BARBARA SCHENKLE AT THE OFFICES OF WMRT IN PHILADELPHIA

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:  
REPORTS  
100 PAGES

FUNDING:  
THE ROUSE COMPANY, COLUMBIA MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:

BARBARA SCHENKLE 215 564 2611  
WALLACE, MCCHARL, ROBERTS AND TODD INCORPORATED  
1737 CHESTNUT STREET  
PHILADELPHIA PENNSYLVANIA USA 19103

GRID LOCATOR (LAT):  
7307865100 7307865299

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	1	STATIONS	.....	STATION
TIME	EARTH	STATION TIME	YMD VISUAL UNITS	1	STATIONS	1 SURVEY/AREA	REPRESENTS THE AREA OF WYE ISLAND
SOIL STRUCTURE	LAND	DIRECT	ACRES/MILE/YEAR	6	OBS	6 STATIONS/ AREA	STRATIGRAPHIC DESCRIPTION
DEPOSITION RATE	LAND	DIRECTION VANE	COMPASS DIRECTION	1	STATIONS	SEASONAL	1 YEAR DURATION
WIND DIRECTION	AIR	ANEMOMETER	MILES/HOUR INCHES	1	STATIONS	SEASONAL MONTHLY	1 YEAR DURATION AT ANNAPOLIS
WIND SPEED	AIR	DIRECT					
PRECIPITATION	AIR						

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
AMOUNT TEMPERATURE	AIR	MERCURY THERMOMETER	DEG F	1	STATIONS MONTHLY		MEAN DAILY TEMPERATURE
SOIL TYPE	LAND	VISUAL	QUALITATIVE UNITS	17	OBS	1 SURVEY/AREA	DESCRIPTION OF SOIL DEPTH AND SUSCEPTIBLE EROSION
SIZE / ANALYSIS	LAND	VISUAL	QUALITATIVE UNITS	17	OBS	1 SURVEY/AREA	
PERMEABILITY WATER TABLE	LAND	PENETROMETER DIRECT	INCHES/HOUR FEET	1	STATIONS	3 OBS/AREA	
ELEVATION	LAND	KEY	QUALITATIVE UNITS	1	STATIONS	3 OBS/AREA	
TAXONOMIC LIST OF LAND PLANTS						1 SURVEY/AREA	

008012

A TWO YEAR STUDY OF MOSQUITO BREEDING AND WILDLIFE USAGE IN THE LITTLE CREEK  
IMPOUNDED SALT MARSH, LITTLE CREEK WILDLIFE AREA, DELAWARE, 1959-60

PAGE 01  
RECEIVED: AUGUST 12, 1976  
DATA COLLECTED: 1959 TO 1960

PROJECTS:

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 IMPOUNDMENT. EMPHASIZED ARE THE EFFECTS OF THE IMPOUNDMENT ON MOSQUITO BREEDING AND WILDLIFE UTILIZATION.

DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:  
REPORTS  
121 PAGES

FUNDING:

DELAWARE BOARD OF GAME AND FISH COMMISSIONERS, MOSQUITO CONTROL DIVISION OF THE DELAWARE STATE HIGHWAY DEPARTMENT

INVENTORY:

PUBLICATIONS:

TINDALL, E.E., 1961. A TWO YEAR STUDY OF MOSQUITO BREEDING AND WILDLIFE USAGE IN THE LITTLE CREEK IMPOUNDED SALT MARSH, LITTLE CREEK WILDLIFE AREA, DELAWARE, 1959-60. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 121 P.

CONTACT:

NORRIS LIBRARY 302 738 2455  
UNIVERSITY OF DELAWARE  
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):  
73079503

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	MAP LOCATION	1	1	STATIONS	.....	.....
TIME	EARTH	STATION TIME	1	1	STATIONS	.....	.....
TEMPERATURE	AIR	MAXIMUM	1	1	STATIONS	1 OBS/WEEK	.....
MAXIMUM		TEMPERATURE					.....
TEMPERATURE	AIR	MINIMUM	1	1	STATIONS	1 OBS/WEEK	.....
MINIMUM		TEMPERATURE					.....
TEMPERATURE	WATER	REVERSING	1	1	STATIONS	1 OBS/WEEK	.....
		THERMOMETER					.....
		THERMOMETER					.....
		REVERSING					.....
		THERMOMETER					.....

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
PRECIPITATION AMOUNT	AIR	RAIN GAGE	INCHES	1	STATIONS	1 OBS/WEEK	MAY-OCTOBER 1958; APRIL-OCTOBER 1960
DEVELOPMENTAL STAGE OF INSECTS	LAND	MORPHOLOGICAL CHARACTERISTICS	NUMBER OF LARVAE/PUPAE PER SPECIES PER AREA	1	STATIONS		2 AREAS: 1959 - TOTAL MARSH AND CHECK AREA, 1960 - TOTAL IMPOUNDMENT AND CHECK
SPECIES DETERMINATION OF INSECTS	LAND	KEY	SPECIES OF ADULT MOSQUITOES TRAPPED PER YEAR	1	STATIONS		AREA SPECIES OF IMMATURE MOSQUITOES PER POND (APRIL-OCTOBER 1960); SPECIES OF OTHER AQUATIC INSECTS PER PLANT SPECIES ASSOCIATION (1960)
COUNT OF INSECTS	LAND	VISUAL	NUMBER OF INDIVIDUALS PER SPECIES TRAPPED PER OBS PER YEAR	1	STATIONS		NUMBER OF MALE/FEMALE INDIVIDUALS PER SPECIES OF ADULT MOSQUITOES TRAPPED PER YEAR
SEX DETERMINATION N OF INSECTS	LAND	VISUAL	NUMBER OF MALE/FEMALE INDIVIDUALS PER SPECIES OF ADULT MOSQUITOES TRAPPED PER YEAR	1	STATIONS		PPM PH UNITS
SALINITY PH SPECIES DETERMINATION OF PELAGIC FISH	WATER	CONDUCTIVITY PH METER KEY	PPM PH UNITS	1	STATIONS		FISH TRAPPED OR NETTED IN UNIMPOUNDED MARSH (1959)
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER SPECIES TAXONOMIC LISTING OF ORGANISMS PRESENT	1	STATIONS		FUNDULUS OCCELLARIS
STOMACH CONTENT ANALYSIS OF PELAGIC FISH SPECIES	WATER	VISUAL	NUMBER OF INDIVIDUALS PER SPECIES TAXONOMIC LISTING OF ORGANISMS PRESENT	1	STATIONS		WILDLIFE

008012

A TWO YEAR STUDY OF MCSQUITO BREEDING AND WILDLIFE USAGE IN THE LITTLE CREEK  
IMPOUNDED SALT MARSH. LITTLE CREEK WILDLIFE AREA, DELAWARE, 1959-60 (CONT.)

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF REPTILES							
SPECIES DETERMINATION OF BIRDS	AIR	KEY					OBSERVED IN NATURAL AND IMPOUNDED MARSH AREA AND IN UPLAND PERIMETER AREA (1959-1960) WILDLIFE
SPECIES DETERMINATION OF MAMMALS	LAND	KEY					OBSERVED IN NATURAL AND IMPOUNDED MARSH AREA AND IN UPLAND PERIMETER AREA (1959-1960) WILDLIFE
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY					OBSERVED IN NATURAL AND IMPOUNDED MARSH AREAS (1959-1960) COMMON SPECIES OF MARSH VEGETATION
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY					

008377

THE DISTRIBUTION, GROWTH AND LIFE HISTORY OF MELAMPUS BIDENTATUS (GASTROPODA:  
PULMONATA) IN THE DELAWARE BAY REGION  
DATA COLLECTED: OCTOBER 1971 TO OCTOBER 1974

PAGE 01  
RECEIVED: OCTOBER 15, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., COASTAL, DELAWARE BAY, CANARY CREEK, BRADKILL 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 COUNTS 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

DATA AVAILABILITY:

UPON REQUEST ON INTERLIBRARY LOAN FROM MORRIS LIBRARY, UNIVERSITY OF DELAWARE

PLATFORM TYPES:  
SHIP

ARCHIVE MEDIA:  
REPORTS  
65 PAGES

FUNDING:  
UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:

THIS DATA IS CONTAINED IN AN M.S. THESIS BY NEAL HOPWARD PARKER, 1976, UNIVERSITY OF DELAWARE

CONTACT:

FRANKLIN DAIBER 302 738 1214  
UNIVERSITY OF DELAWARE  
COLLEGE OF MARINE STUDIES  
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):  
73079541

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	32	STATIONS		
TIME	EARTH	STATION TIME	YMD	32	STATIONS		
COUNT OF	BOTTOM	VISUAL	NUMBER PER	32	STATIONS	1 OBS/STATION	
BENTHIC			SQUARE METER				
ANIMALS			OF MARSH				
SPECIES	LAND	KEY	QUALITATIVE	32	STATIONS	1 OBS/STATION	
DETERMINATION			TERMS				
OF LAND PLANTS							MARSH PLANT TYPES RECORDED ONLY FOR 32 STATIONS ALONG

008377

THE DISTRIBUTION, GROWTH AND LIFE HISTORY OF MELAMPUS BIDENTATUS (GASTROPODA: (CONT.)  
PULMONATA) IN THE DELAWARE BAY REGION

PAGE 02

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SALINITY	WATER	INDEX OF REFRACTION	PPT	32	STATIONS	2 OBS/STATION	CANARY CREEK SALINITIES DETERMINED ONLY FOR 17 DELAWARE BAY AND BROADKILL RIVER STATIONS
LENGTH OF BENTHIC ANIMALS AGE DATING OF BENTHIC ANIMALS SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	DIRECT	MILLIMETERS	32	STATIONS	2 OBS/STATION	
	BOTTOM	LENGTH FREQUENCY	AGE CLASS	32	STATIONS	2 OBS/STATION	
	BOTTOM	KEY		32	STATIONS	2 OBS/STATION	SNAIL, MELAMPUS BIDENTATUS

008383

MOSQUITO PRODUCTION AND WILDLIFE USAGE IN NATURAL, PITCHED, AND IMPOUNDED TIDAL  
MARSHESS IN ASSOWOMAN WILDLIFE AREA, DELAWARE  
DATA COLLECTED: MARCH 1956 TO OCTOBER 1958

PAGE 01  
RECEIVED: OCTOBER 15, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S.A., DELAWARE, ASSOWOMAN WILDLIFE AREA, LITTLE ASSOWOMAN BAY

ABSTRACT:  
ASSOWOMAN WILDLIFE AREA ON LITTLE ASSOWOMAN BAY WAS STUDIED FROM FEBRUARY, 1956 TO NOVEMBER, 1958 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.

DATA AVAILABILITY:

AVAILABLE UPON REQUEST FROM FRANK MURPHY IN THE DEPARTMENT OF ENTOMOLOGY AT THE UNIVERSITY OF DELAWARE

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:  
REPORTS  
94 PAGES

FUNDING:  
UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:

CONTACT:

FRANK MURPHY 302 738 2526  
DEPARTMENT OF ENTOMOLOGY  
UNIVERSITY OF DELAWARE  
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):  
7307853100

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	45	STATIONS	WEEKLY	
TIME	EARTH	STATION TIME	YMD	45	STATIONS	WEEKLY	
COUNT OF INSECTS	LAND	VISUAL	QUALITATIVE UNITS	45	STATIONS	WEEKLY	LARVA, PUPA, AND ADULT STAGES OF MOSQUITOS
SPECIES DETERMINATION OF INSECTS	LAND	KEY	QUALITATIVE UNITS	45	STATIONS	WEEKLY	LARVA, PUPA, AND ADULT STAGES OF MOSQUITOS
TAXONOMIC LIST	LAND	KEY	QUALITATIVE	45	STATIONS	WEEKLY	LARVA, PUPA,

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF INSECTS			UNITS				AND ADULT STAGES OF MOSQUITOS
PRECIPITATION AMOUNT	AIR	RAIN GAGE	INCHES	45	STATIONS	WEEKLY	
WATER TABLE ELEVATION	LAND	DIRECT	FEET	45	STATIONS	WEEKLY	
SALINITY PH	WATER	CONDUCTIVITY PH METER	PPM PH UNITS	45	STATIONS	WEEKLY	
TEMPERATURE TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	45	STATIONS	WEEKLY	
TEMPERATURE BATHYMETRY WATER LEVEL	AIR	MERCURY THERMOMETER	DEG F	45	STATIONS	WEEKLY	
SPECIES DETERMINATION OF LAND PLANTS SPECIES	WATER WATER	LEAD LINE RECORDING BUBBLER GAGE KEY	INCHES FEET	45	STATIONS	WEEKLY	
DETERMINATION OF MAMMALS STOMACH CONTENT ANALYSIS OF PELAGIC FISH	LAND	QUALITATIVE UNITS	45	STATIONS	WEEKLY		
		QUALITATIVE UNITS	45	STATIONS	WEEKLY		
		QUALITATIVE UNITS	369	OBS	WEEKLY		

008386

THE USE OF LOW LEVEL IMPOUNDMENTS FOR CONTROL OF SALT MARSH MOSQUITO AEDES

PAGE 01

SOLICITANS (WALKER)

DATA COLLECTED: JANUARY 1968 TO JANUARY 1969

RECEIVED: OCTOBER 15, 1976

## PROJECTS:

GENERAL GEOGRAPHIC AREA: NORTH AMERICA, U.S., DELAWARE, LEWES, BROADKILL RIVER

**ABSTRACT:**  
 PRE- AND POST-IMPOUNDMENT STUDY FOR MOSQUITO CONTROL AT THE BROADKILL RIVER 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.

## DATA AVAILABILITY:

AVAILABLE UPON REQUEST FROM FRANK MURPHY IN THE DEPARTMENT OF ENTOMOLOGY AT THE UNIVERSITY OF DELAWARE

PLATFCRM TYPES:  
 FIXED STATION

ARCHIVE MEDIA:  
 REPORTS  
 65 PAGES

FUNDING:

UNIVERSITY OF DELAWARE

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

FRANK MURPHY 302 738 2526  
 DEPARTMENT OF ENTOMOLOGY  
 UNIVERSITY OF DELAWARE  
 NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):  
 7307854150

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	1	STATIONS	1 SURVEY/AREA	STATION REFERS TO THE AREA SAMPLED
TIME	EARTH	STATION TIME	YMD	1	STATIONS	1 SURVEY/AREA	
TAXONOMIC LIST OF LAND PLANTS	LAND	KEY	QUALITATIVE UNITS	1	STATIONS	1 SURVEY/AREA	
TAXONOMIC LIST OF PERIPHYTIC TAXONOMIC LIST OF AMPHIBIANS	WATER	KEY	QUALITATIVE UNITS	1	STATIONS	1 SURVEY/AREA	
TAXONOMIC LIST OF REPTILES	WATER	KEY	QUALITATIVE UNITS	1	STATIONS	1 SURVEY/AREA	

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TAXONOMIC LIST OF BIRDS	AIR	KEY	QUALITATIVE UNITS	1	STATIONS	1 SURVEY/AREA	MOSQUITO AND TABANID STUDY
TAXONOMIC LIST OF PELAGIC FISH	WATER	KEY	QUALITATIVE UNITS	1	STATIONS	1 SURVEY/AREA	MOSQUITO AND TABANID STUDY
TAXONOMIC LIST OF MAMMALS	LAND	KEY	QUALITATIVE UNITS	1	STATIONS	1 SURVEY/AREA	MOSQUITO AND TABANID STUDY
COUNT OF INSECTS	LAND	VISUAL	QUALITATIVE UNITS	25	OBS	2 SURVEY/ MONTH EVERY 3 MONTHS	MOSQUITO AND TABANID STUDY
SPECIES DETERMINATION OF INSECTS	LAND USE	KEY	QUALITATIVE UNITS	25	OBS	2 SURVEY/ MONTH EVERY 3 MONTHS	MOSQUITO AND TABANID STUDY
SALINITY	WATER	INDEX OF REFRACTION	PERCENT LAND OF TYPE VEGETATION	13	OBS	2 SURVEY/ MONTH EVERY 3 MONTHS	SALINITY OF POOLS AND TIDAL CREEKS
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	35	OBS	4 OBS/MONTH WEEKLY	

00840?

THE USE OF LOW LEVEL IMPOUNDMENTS FOR THE CONTROL OF THE SALT-MARSH MOSQUITO,  
NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY, BROADKILL MARSH, LEWES  
AEDES SOLICITANS (WALKER)  
DATA COLLECTED: JULY 1968 TO OCTOBER 1969

PAGE 01  
RECEIVED: AUGUST 27, 1976

PROJECTS:

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 SOLICITANS 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.

DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:  
REPORTS  
66 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:  
HARRISON, F.J., JR. 1970. THE USE OF LOW LEVEL IMPOUNDMENTS FOR THE CONTROL OF THE SALT-MARSH MOSQUITO, AEDES SOLICITANS (WALKER). MASTER'S THESIS, UNIVERSITY OF DELAWARE, 66P.

CONTACT:

NORRIS LIBRARY 302 738 2455  
UNIVERSITY OF DELAWARE  
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):  
73078543

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS	BROADKILL MARSH, DELAWARE	
TIME	EARTH LAND	SAMPLING TIME KEY	YMD	1	STATIONS OBS		
SPECIES	DETERMINATION OF BENTHIC PLANTS	WATER KEY		1	OBS		
SPECIES	DETERMINATION OF PELAGIC						

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
FISH SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY	OBS	1	OBS		
SPECIES DETERMINATION OF REPTILES	LAND	KEY	OBS	1	OBS		
SPECIES DETERMINATION OF BIRDS	AIR	KEY	OBS	1	OBS		
SPECIES DETERMINATION OF MAMMALS	LAND	KEY	OBS	1	OBS		
DETERMINATION OF INSECTS	LAND	KEY	SPECIES OF MOSQUITO IMMATURES PER OBS	8	OBS	1 OBS PER MONTH	JULY-SEPTEMBER 1968, MAY-SEPTEMBER 1969
COUNT OF INSECTS	LAND	VISUAL	OBS	8	OBS	1 OBS PER MONTH	JULY-SEPTEMBER 1968, MAY-SEPTEMBER 1969
DEPTH	LAND	DIRECT	INCHES	16	OBS	DITCH DEPTH: CENTER, END	
COUNT OF BENTHIC PLANTS	LAND	VISUAL	PERCENT OF AREA AT DIPPING SITES	52	OBS	SPARTINA ALTERNIFLORA SPATINA PATENS	
SALINITY	WATER	HYDROMETER	PPT	41	OBS	1-2 OBS PER WEEK	5 SITES: 1968, 1969
TEMPERATURE MAXIMUM	AIR		MAXIMUM TEMPERATURE THERMOMETER	DEG F	34	OBS	LEWES, DELAWARE 1 OBS PER WEEK
TEMPERATURE MINIMUM	AIR		MINIMUM TEMPERATURE THERMOMETER	DEG F	34	OBS	LEWES, DELAWARE 1 OBS PER WEEK

008404

SOME ENVIRONMENTAL CONSIDERATIONS OF IMPOUNDED TIDAL MARSHES ON MOSQUITO AND  
WATER BIRD PREVALENCE, LITTLE CREEK WILDLIFE AREA, DELAWARE PAGE 01  
DATA COLLECTED: APRIL 1961 TO OCTOBER 1962 RECEIVED: AUGUST 27, 1976

PROJECTS:

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.

DATA AVAILABILITY:

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:  
REPORTS  
121 PAGES

FUNDING:  
DELAWARE BOARD OF GAME AND FISH COMMISSIONERS; MOSQUITO CONTROL DIVISION  
INVENTORY:

PUBLICATIONS:  
LESSER, F.H., 1965. SOME ENVIRONMENTAL CONSIDERATIONS OF IMPOUNDED TIDAL MARSHES ON MOSQUITO AND WATERBIRD PREVALENCE, LITTLE CREEK WILDLIFE AREA, DELAWARE. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 121P.

CONTACT:

NORRIS LIBRARY 302 738 2455  
UNIVERSITY OF DELAWARE  
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):  
73079503

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS		LITTLE CREEK WILDLIFE AREA
TIME	EARTH	SAMPLING TIME	YMD SPECIES	1	STATIONS OBS		
SPECIES	LAND	KEY	SPECIES	1	OBS	1 OBS PER YEAR	
DETERMINATION							
OF LAND PLANTS	LAND						
SPECIES							
DETERMINATION							
OF BENTHIC							
PLANTS							
SPECIES	AIR	KEY	SPECIES	3	OBS		SPECIES OF

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
<b>DETERMINATION OF BIRDS</b>							
<b>BIRDS OBSERVED IN MARSH; SPECIES OF WATERFOWL USING MARSHAS PRODUCTION SITE 1961-1962</b>							
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	SPECIES	1	OBS		
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY	SPECIES	1	OBS		
SPECIES DETERMINATION OF REPTILES	LAND	KEY	SPECIES	1	OBS		
SPECIES DETERMINATION OF MAMMALS	LAND	KEY	SPECIES	1	OBS		
SPECIES DETERMINATION OF INSECTS	LAND	VISUAL	NUMBER OF MOSQUITO LARVAE AND PUPAE PER SPECIES	297	OBS	1 OBS PER MONTH	
COUNT OF INSECTS	AIR	VISUAL		2	OBS	1 OBS PER YEAR	
COUNT OF BIRDS	AIR						

008412

THE EFFECTIVENESS OF LOW-LEVEL IMPOUNDED SALT-MARSHES IN CONTROLLING THE  
 PRODUCTION OF MOSQUITOES  
 DATA COLLECTED: 1965 TO 1966

PAGE 01  
 RECEIVED: AUGUST 27, 1976

## PROJECTS:

GENERAL GEOGRAPHIC AREA:  
 NORTH AMERICA, U.S., DELAWARE, KENT COUNTY, SHORT'S MARSH, MASTERN'S MARSH, CHAMPAGNE POOL MARSH, NATURAL MARSH, DOVER WEATHER STATION

## 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 IMPOUNDMENT AS A METHOD OF MOSQUITO CONTROL IN TWO TIDAL SALT MARSHES IN DELAWARE. EMPHASIZED ARE POPULATIONS OF IMMATURE MOSQUITOES, FISH POPULATIONS, VEGETATIONAL COVER, WATER TEMPERATURE, SALINITY AND DEPTH.

## DATA AVAILABILITY:

PLATFORM TYPES:  
 FIXED STATION

ARCHIVE MEDIA:  
 REPORTS  
 84 PAGES

FUNDING:  
 MOSQUITO CONTROL DIVISION OF THE DELAWARE STATE HIGHWAY DEPARTMENT

## INVENTORY:

PUBLICATIONS:  
 BOSIK, J.J.: 1967. THE EFFECTIVENESS OF LOW-LEVEL IMPOUNDED SALT-MARSHES IN CONTROLLING THE PRODUCTION OF MOSQUITOES. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 84P.

## CONTACT:

MORRIS LIBRARY  
 UNIVERSITY OF DELAWARE  
 NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):  
 73079503

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2 STATIONS			
TIME	EARTH BOTTOM	SAMPLING TIME KEY	YMD SPECIES	2	STATIONS OBS		MAY-SEPTEMBER 1966
SPECIES DETERMINATION OF BENTHIC ANIMALS				1			

THE EFFECTIVENESS OF LOW-LEVEL IMPOUNDED SALT-MARSHES IN CONTROLLING THE (CONT.)  
PRODUCTION OF MOSQUITOES

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	SPECIES	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF INSECTS	LAND	KEY			1	OBS		MOSQUITOES, MAY-SEPT 1966
SPECIES DETERMINATION OF MAMMALS	LAND	KEY			6	OBS		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY			4	OBS		
SPECIES DETERMINATION OF BIRDS	AIR	KEY			6	OBS		
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY			1	OBS		
SPECIES DETERMINATION OF REPTILES	LAND	KEY			2	OBS		
DEPTH LENGTH WIDTH SALINITY	WATER WATER WATER WATER	VISUAL VISUAL VISUAL HYDROMETER	INCHES FEET FEET PPT	60 60 67 125	OBS OBS OBS	1-2 OBS PER 2 WEEKS	MARSH SURFACE, TIDAL GUTS, CHAMPAGNE POOLS	BOTTOM SEDIMENT-13 POOLS AT SHORT'S MARSH
WATER CONTENT	SEDIMENT	GRAVIMETRY	PERCENT BY WEIGHT OF WATER	13	OBS			BOTTOM SEDIMENT-13 POOLS AT SHORT'S MARSH
SIZE ANALYSIS	SEDIMENT	VISUAL		13	OBS			3 STATIONS
PRECIPITATION AMOUNT TEMPERATURE MAXIMUM	AIR AIR	RAIN GAGE MAXIMUM TEMPERATURE THERMOMETER	INCHES DEG F	51 36	OBS OBS	1-2 OBS PER 2 WEEKS		2 STATIONS
TEMPERATURE MINIMUM COUNT OF INSECTS	AIR LAND	MINIMUM TEMPERATURE THERMOMETER VISUAL	DEG F	36	OBS	1-2 OBS PER 2 WEEKS		2 STATIONS
DEVELOPMENTAL STAGE OF INSECTS COUNT OF PELAGIC FISH SPECIES DETERMINATION	LAND WATER LAND	MORPHOLOGICAL CHARACTERISTICS VISUAL KEY		38764	OBS	1 OBS PER MONTH		
				87	OBS	1 OBS PER MONTH		
				87	OBS	1 OBS PER MONTH		

THE EFFECTIVENESS OF LOW-LEVEL IMPOUNDED SALT-MARSHES IN CONTROLLING THE (CONT.)  
PRODUCTION OF MOSQUITOES

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
PLANTS	WATER	NON-REVERSING THERMOMETER	DEG F	87	OBS	1 OBS PER MONTH	

00842:

WILDLIFE PREVALENCE ON LOW LEVEL IMPOUNDMENTS  
DATA COLLECTED: JANUARY 1965 TO DECEMBER 1966

RECEIVED: AUGUST 27, 1976 PAGE 01

PROJECTS:

GENERAL GEOGRAPHIC AREA:

NORTH AMERICA, U.S., DELAWARE, STANLEY SHORT MARSH AND RAYMOND MASTEN MARSH

ABSTRACT:

TO CO-ORDINATE INTERESTS OF MOSQUITO CONTROL, WILDLIFE AND FISHERY AGENCIES, LOW LEVEL IMPOUNDMENTS WERE PROPOSED FOR STANLEY SHORT MARSH AND RAYMOND MASTEN MARSH FROM JANUARY, 1965 TO DECEMBER, 1966 VEGETATION CHANGES, WILDLIFE USAGE AND PRODUCTION WERE STUDIED.

DATA AVAILABILITY:

AVAILABLE UPON REQUEST FROM FRANK MURPHY IN THE DEPARTMENT OF ENTOMOLOGY, UNIVERSITY OF DELAWARE

PLATFORM TYPES:  
FIXED STATION

ARCHIVE MEDIA:  
REPORTS  
83 PAGES

FUNDING:  
STATE OF DELAWARE, BOARD OF GAME AND FISH COMMISSIONERS  
INVENTORY:

PUBLICATIONS:

CONTACT:

FRANK MURPHY 302 738 2526  
DEPARTMENT OF ENTOMOLOGY  
UNIVERSITY OF DELAWARE  
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):  
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	2	STATIONS	5 TRAPPING PERIODS	SURFACE
TIME	EARTH	STATION TIME	YMD	2	STATIONS	5 TRAPPING PERIODS	SURFACE
COUNT OF PLANTS SPECIES	LAND	VISUAL	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE
DETERMINATION OF LAND PLANTS	LAND	KEY	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE
COUNT OF MAMMALS SPECIES	LAND	VISUAL	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE
	LAND	KEY	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE

## WILDLIFE PREVALENCE ON LCW LEVEL IMPOUNDMENTS (CONT.)

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
<b>DETERMINATION OF MAMMALS</b>							
COUNT OF BIRDS	AIR	VISUAL	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE
SPECIES DETERMINATION OF BIRDS	AIR	KEY	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE
COUNT OF REPTILES	LAND	VISUAL	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE
SPECIES DETERMINATION OF REPTILES	LAND	KEY	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE
COUNT OF AMPHIBIANS	WATER	VISUAL	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE
COUNT OF PELAGIC FISH	WATER	VISUAL	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE
SPECIES DETERMINATION OF PERIPHYTON SALINITY	WATER	HYDROMETER	PERCENT SEA WATER	2	STATIONS	5 TRAPPING PERIODS	SURFACE

100

008423

MOSQUITOES AND WILDLIFE IN IMPOUNDMENTS  
DATA COLLECTED: JANUARY 1959 TO OCTOBER 1960

PAGE 01  
RECEIVED: AUGUST 27, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., DELAWARE, KENT COUNTY, LITTLE CREEK WILDLIFE AREA

ABSTRACT:

THIS STUDY DETERMINES THE MOSQUITO BREEDING POTENTIAL OF A PRE IMPOUNDED 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 MOSQUITOES.

DATA AVAILABILITY:

AVAILABLE UPON REQUEST FROM FRANK MURPHY IN THE DEPARTMENT OF ENTOMOLOGY, UNIVERSITY OF DELAWARE

PLATFORM TYPES:

FIXED STATION

ARCHIVE MEDIA:

REPORTS  
121 PAGES

FUNDING:

UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:

CONTACT:  
FRANK MURPHY 302 738 2526  
DEPARTMENT OF ENTOMOLOGY  
UNIVERSITY OF DELAWARE  
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):  
7307951200

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	45	STATIONS	WATER SURFACE	
TIME	EARTH	STATION TIME	YMD	45	OBS	WATER SURFACE	
SPECIES	LAND	KEY		45	WEEKLY	WATER SURFACE	
DETERMINATION						IMMATURE	
OF INSECTS	LAND					MOSQUITOES	
COUNT OF							
INSECTS	BOTTOM						
SPECIES							
DETERMINATION							
OF BENTHIC							

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
PLANTS COUNT OF BENTHIC PLANTS SPECIES DETERMINATION OF PELAGIC FISH	BOTTOM WATER	VISUAL KEY		45	OBS	WATER SURFACE	
COUNT OF PELAGIC FISH SPECIES DETERMINATION OF MAMMALS	WATER	VISUAL KEY		45	OBS	WATER SURFACE	
COUNT OF MAMMALS	WATER	VISUAL		45	OBS	WATER SURFACE	
PH SALINITY TEMPERATURE	WATER	PH METER CONDUCTIVITY REVERSING THERMOMETER	PPM DEG C	45	OBS	WATER SURFACE	
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG F	45	OBS	WATER SURFACE	
BATHYMETRY PRECIPITATION	WATER AIR	LEAD LINE RAIN GAGE	FEET INCHES	45	OBS	WATER SURFACE	
AMOUNT				45	OBS	WATER SURFACE	

008668

WACHAPREAGUE SALT WATER MARSH STUDY-VIRGINIA

DATA COLLECTED: JULY 1974 TO JULY 1974

PAGE 01  
RECEIVED: MARCH 07, 1977

PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE

ABSTRACT:

MISSION W279, FLIGHT 01, WAS ACCOMPLISHED ON JUNE 19, 1974, UTILIZING THE WALLOPS 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.  
(MISSION W279, FLIGHT 01 )

DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

ARCHIVE MEDIA:  
PHOTOPRINTS  
57 9"x9" PRINTS

FUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR ( LAT ):  
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE YMDHM	57	OBS	1 FLIGHT PER LINE	
TIME	EARTH	SAMPLING TIME		57	OBS	1 FLIGHT PER LINE	
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	57	OBS	500, 5000 FEET	152 AND FOUR- TENTHS MM FOCAL LENGTH

008672

WETLAND MAPPING STUDY-MARYLAND

RECEIVED: MARCH 07, 1977 PAGE 01

## PROJECTS:

GENERAL GEOGRAPHIC AREA:  
NORTH AMERICA, U.S., MARYLAND

## ABSTRACT:

MISSION W288, FLIGHT 01, WAS ACCOMPLISHED ON JULY 31, 1974, UTILIZING THE WALLOPS 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.

## DATA AVAILABILITY:

PLATFORM TYPES:  
AIRCRAFT

## ARCHIVE MEDIA:

> 100 PRINTS  
340 70MM PRINTS; 171 9"X9" PRINTSFUNDING:  
NATIONAL AERONAUTICS AND SPACE ADM

## INVENTORY:

## PUBLICATIONS:

## CONTACT:

MICHAEL CONGER 804 824 3411  
NATIONAL AERONAUTICS AND SPACE ADM  
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE  
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):  
73078525 73078640

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE YMD	511	OBS	.....	.....
TIME	EARTH	STATION TIME	511	OBS	12 FLIGHTS/ LINE	12 FLIGHTS/ LINE	12 FLIGHTS/ LINE
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	340	OBS	250, 450, AND 1500 FEET	500 TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	171	OBS	12 FLIGHTS/ LINE	250, 450, AND 1500 FEET

008887

ECOLOGICAL 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  
DATA COLLECTED: JANUARY 1972 TO MARCH 1973

PAGE 01

RECEIVED: MAY 13, 1977

PROJECTS:

ATLANTIC GENERATING STATION PROJECT

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

ABSTRACT:

AN ECOLOGICAL STUDY OF THE TERRESTRIAL AND MARINE ENVIRONMENTS 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.  
(REPORT PREPARED IN JULY 1973 BY ICHTHYOLOGICAL ASSOCIATES, ITHACA, NEW YORK 14850 )

DATA AVAILABILITY:  
REPORT AVAILABLE FOR DISTRIBUTION

PLATFORM TYPES:  
FIXED STATION: SHIP

ARCHIVE MEDIA:

REPORTS  
PART ONE - 666 PAGE REPORT, PART TWO - 399 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:  
THOMAS, D.L., AND C.B. MILSTEIN, 1973. ECOLOGICAL 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. PROGRESS REPORT FOR THE PERIOD JANUARY-DECEMBER 1972 FOR PUBLIC SERVICE ELECTRIC AND GAS COMPANY. ICHTHYOLOGICAL ASSOCIATES, INC.

CONTACT:

PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000  
PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
30 PARK PLACE  
NEWARK NEW JERSEY USA 07101

GRID LOCATOR ( LAT ):  
73079410 73079411 73079412 73079413 73079420 73079421 73079422 73079430 73079431 73079432 73079433 73079440 73079441  
73079442

ECOLOGICAL 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

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	VARIOUS	MAP OR CHART LOCATION-DM	220 STATIONS	.....	.....	.....
TIME SPECIES DETERMINATION OF PELAGIC FISH	EARTH WATER	STATION KEY	YMDH SPECIES/OBS/ STATION	2730 OBS 9	1 OBS/STATION/ 2 WEEKS	SURFACE TO 10 FEET	8 GILL NET STATIONS
COUNT OF PELAGIC FISH SPECIES DETERMINATION OF DEMERSAL FISH	WATER	VISUAL KEY	NUMBER/SPECIES/ OBS/STATION SPECIES/OBS/ STATION	1491 OBS	1 OBS/STATION/ 2 WEEKS	SURFACE FEET	61 SEINE STATIONS
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER/SPECIES/ OBS/STATION	1491 OBS	1 OBS/STATION/ 2 WEEKS	61 SEINE STATIONS	47 TRAWL STATIONS
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	SPECIES/CUBIC METER/OBS/ STATION	699 OBS	1 OBS/STATION/ 1 WEEK	SURFACE, MIDWATER, BOTTOM	61 SEINE STATIONS, 47 TRAWL STATIONS FIXED, UNSTAINED ALIQUOT; STAINED, ALIQUOT 20 ICHTHYOPLANKTON STATIONS, 20 ZOOPLANKTON STATIONS FIXED, UNSTAINED ALIQUOT; STAINED, ALIQUOT 20 ICHTHYOPLANKTON STATIONS, 20 ZOOPLANKTON STATIONS
COUNT OF ZOOPLANKTON	WATER	VARIOUS	NUMBER/SPECIES/ CUBIC METER/ OBS/STATION	699 OBS	1 OBS/STATION/ 1 WEEK	SURFACE, MIDWATER, BOTTOM	1 PHYTOPLANKTON STATION
SPECIES DETERMINATION OF PHYTOPLANKTO N	WATER	KEY	SPECIES/LITER/ OBS/STATION	3 OBS	1 OBS/STATION/ 1 MONTH	SURFACE, 10, 20 METERS	1 PHYTOPLANKTON STATION
COUNT OF PHYTOPLANKTON	WATER	COUNTING CHAMBER	NUMBER/C'ECIES/ LITER/OBS/ STATION	3 OBS	1 OBS/STATION/ 1 MONTH	11 TRAWL STATIONS, 9 PONARGRAB AND CLAM DREDGE STATIONS, 22 BEACH SIEVE STATIONS	11 TRAWL STATIONS, 9 PONARGRAB AND CLAM DREDGE STATIONS, 22 BEACH SIEVE STATIONS
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	SPECIES/OBS/ STATION	461 OBS	1 OBS/STATION/ 1 MONTH	11 TRAWL STATIONS, 9 PONARGRAB AND CLAM DREDGE STATIONS, 22 BEACH SIEVE STATIONS	11 TRAWL STATIONS, 9
COUNT OF BENTHIC	BOTTOM	VISUAL	NUMBER/SPECIES/ OBS/STATION	461 OBS	1 OBS/STATION/ 1 MONTH	11 TRAWL STATIONS, 9	11 TRAWL STATIONS, 9

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
<b>ANIMALS</b>							
NITRATE	WATER	AUTOANALYZER	UG-AT/L	54	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM
NITRITE	WATER	AUTOANALYZER	UG-AT/L	54	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM
NITRATE PLUS	WATER	AUTOANALYZER	UG-AT/L	116	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM
NITRITE	WATER	AUTOANALYZER	UG-AT/L	52	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM
AMMONIA	WATER	AUTOANALYZER	UG-AT/L	170	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM
SILICATE	WATER	AUTOANALYZER	UG-AT/L	170	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM
ORTHOPHOSPHATE	WATER	AUTOANALYZER	UG-AT/L	170	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM
SALINITY	WATER	VARIOUS	PPT	3600	OBS	INDEX OF REFRACTION; CONDUCTIVITY	SURFACE, BOTTOM
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PPM	3100	OBS	SURFACE, BOTTOM	SURFACE, BOTTOM
TEMPERATURE	WATER	THERMISTOR	DEG C	3600	OBS	SURFACE, BOTTOM	SURFACE, BOTTOM
SECCHI DISC DEPT'	WATER	DISAPPEARING DEPTH	INCHES OR FEET	1900	OBS		
TIDAL PHASE	WATER	VISUAL	EBB/FLOOD	2730	OBS		
TEMPERATURE SPECIES	AIR	THERMISTOR	DEG C	2730	OBS		
DETERMINATION OF LAND PLANTS SPECIES	LAND	KEY	SPECIES/STATION	6	STATIONS		
DETERMINATION OF BENTHIC PLANTS	LAND	KEY	SPECIES/STATION	6	STATIONS		
COUNT OF LAND PLANTS	LAND	VISUAL	DEGREE OF OCCURRENCE/ SPECIES/ STATION	6	STATIONS		
COUNT OF BENTHIC PLANTS	LAND	VISUAL	DEGREE OF OCCURRENCE/ SPECIES/ STATION	6	STATIONS		
SPECIES DETERMINATION OF REPTILES	WATER	KEY	SPECIES/STATION	6	STATIONS		
SPECIES DETERMINATION OF AMPHIBIANS	LAND	KEY	SPECIES/OBS/ STATION	19	OBS		
DETERMINATION						TRAPS, 13	STATIONS

ECOLOGICAL 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

## PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF MAMMALS							
COUNT OF MAMMALS	LAND	VISUAL		NUMBER/SPECIES/ OBS	19	OBS	
SPECIES DETERMINATION	AIR	KEY		OBS/STATION SPECIES/OBS/	12	OBS	1 OBS/STATION/ MONTH
OF BIRDS				STATION			
COUNT OF BIRDS	AIR	VISUAL		NUMBER/SPECIES/ OBS/STATION	12	OBS	1 OBS/STATION,
NUMBER OF NESTS	LAND	VISUAL		NUMBER/SPECIES/ STATION	2	STATIONS	ROAD CENSUS, 2 STATIONS
FECUNDITY OF BIRDS	AIR	VISUAL		NUMBER OF YOUNG AND EGGS/ SPECIES/	1	STATIONS	BIRDS NEST-2 HERONRIES
				STATION			1 HERONRY

**ANNEX II**

**Data Files**

**Part B**

**Data File Index -- Listed by Key Word**

**Wetlands Alteration**

This index contains an alphabetical listing by key word of the data files in this annex. After some key words is a number or series of numbers which reference the page numbers of the particular file(s) within this report. Most of the files are referenced by more than one key word. Underlined numbers indicate files generated after January 1, 1973.

The key words which do not reference any relevant files are included to indicate the extent of the file search.

## Annex II

### Part B Data File Index-Listed by Key Word

#### Wetlands Alteration

accretion  
    use deposition rate

altitude profile (land)  
    none

area (land)  
    none

area (water)  
    none

benthic plants  
    use biological condition, biomass, canopy cover, community  
    structure analysis, count, developmental stage, diversity index,  
    growth studies, mortality, sightings, species determination,  
    taxonomic list, volume determination, weight, yield

biological condition of benthic plants (bottom)  
    none

biological condition of benthic plants (land)  
    none

biological condition of land plants (land)  
    none

biomass of benthic plants (bottom)  
    89, 100

biomass of benthic plants (land)  
    44, 50, 52, 63, 65, 67, 92, 94, 100, 108, 111

biomass of land plants (land)  
    none

canopy cover of benthic plants (bottom)  
    none

canopy cover of benthic plants (land)  
none

canopy cover of land plants (land)  
none

community diversity  
use diversity index

community structure analysis (bottom)  
100

community structure analysis (land)  
19, 21, 26, 100, 104, 106

community structure analysis (water)  
57

condition  
use biological condition

count of benthic plants (bottom)  
24, 54, 100, 109, 162, 164, 166, 194

count of benthic plants (land)  
17, 19, 24, 26, 44, 46, 48, 67, 92, 94, 100, 111,  
119, 164, 166, 168, 198

count of land plants (land)  
106, 192, 198

density of benthic plants  
use count of benthic plants

deposition (land)  
none

deposition (sediment)  
none

deposition rate (land)  
174

deposition rate (sediment)  
none

developmental stage of benthic plants (bottom)  
none

developmental stage of benthic plants (land)  
none

developmental stage of land plants (land)  
106

distribution  
use community structure analysis, count, species determination

diversity index of benthic plants (bottom)  
none

diversity index of benthic plants (land)  
none

diversity index of land plants (land)  
none

emergence of land plants (land)  
none

erosion of sediment  
use deposition rate

growth rate of land plants (land)  
none

growth studies of benthic plants (bottom)  
none

growth studies of benthic plants (land)  
none

index of dispersion  
use community structure analysis

index of diversity  
use diversity index

index of dominance  
use community structure analysis

index of evenness  
use community structure analysis

index of species association  
use community structure analysis

index of species equatability  
use community structure analysis

index of species richness  
use community structure analysis

index of species similarity  
use community structure analysis

land plants  
use biological condition, biomass, canopy cover,  
community structure analysis (land), count, developmental stage,  
diversity index, emergence, growth rate, mortality, species  
determination, taxonomic list, volume determination, weight,  
yield

land use (land)  
36, 38, 40, 42, 46, 48, 181, 183

length (water)  
189

map  
use topography (land)

marsh grass  
use benthic plants (land)

mortality of benthic plants (bottom)  
none

mortality of land plants (land)  
none

photograph (earth) (aerial)  
7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 23, 28, 29, 30, 31, 32,  
33, 34, 35, 59, 60, 61, 62, 69, 70, 71, 72, 73, 74, 75, 76,  
77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 96, 97, 98,  
104, 135, 136, 143, 144, 145, 146, 147, 148, 149,  
150, 151, 152, 153, 154, 155, 157, 158, 159, 161, 170, 196, 197

population  
use count

rank analysis  
use community structure analysis

recreation (land)  
none

recreation (water)  
none

recruitment  
use community structure analysis

sea level  
use water level

sedimentation rate  
use deposition rate

shore line length (land)  
46, 48

shore line profile  
use topography (land)

sightings of benthic plants (bottom)  
none

soil structure (land)  
141, 174

soil type (land)  
121, 123, 125, 127, 129, 131, 133, 174

spatial patterns  
use community structure analysis

species determination of benthic plants (bottom)  
54, 100, 103, 109, 162, 164, 166, 194

species determination of benthic plants (land)  
17, 19, 21, 26, 46, 48, 50, 52, 54, 57, 67, 92, 94, 100, 104,  
108, 111, 113, 115, 119, 139, 164, 166, 168, 176, 185, 187, 189,  
198

species determination of land plants (land)  
106, 141, 179, 181, 187, 192, 198

standing crop  
use biomass, count, weight, yield

taxonomic list of benthic plants (bottom)  
none

taxonomic list of benthic plants (land)  
137

taxonomic list of land plants (land)  
106, 137, 171, 174, 183

tidal height  
use water level

tidal zone area (land)  
46, 48

topography (land)  
none

volume determination of benthic plants (bottom)  
none

volume determination of benthic plants (land)  
none

volume determination of land plants (bottom)  
none

volume determination of land plants (land)  
none

water level (water)  
65, 181

weight of benthic plants (bottom)  
none

weight of benthic plants (land)  
111, 168

weight of land plants (land)  
none

width  
189

yield of benthic plants (bottom)  
none

yield of benthic plants (land)  
46, 48, 52, 111, 117

yield of land plants (land)  
none

**ANNEX III**

**Monitoring Programs**

**Wetlands Alteration**

The monitoring programs identified for this report form three categories, as follows:

Continuous monitoring programs presently active in the Chesapeake Bay - 15 files.

Continuous monitoring programs initiated after January 1967 that have operated five (5) years or longer, but are presently not operational - 2 files.

Continuous monitoring programs initiated prior to January 1967 that have operated ten (10) years or longer and are presently not operational - 0 files.

The programs are arranged by date of initiation, earliest first.

DATA COLLECTED: 1927 TO PRESENT

MONITORING PROJECTS:  
AERIAL PHOTOGRAPHS

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S., INCLUDING ALASKA  
AND 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.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

CHIEF, PHOTOMAP AND IMAGERY INFORMATION SECTION      301-496-8601  
NATIONAL OCEAN SURVEY  
6001 EXECUTIVE BOULEVARD  
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR: FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 98.  
COMPLETE

DATA COLLECTED: JULY 1958 TO PRESENT

MONITORING PROJECTS:

VEGETATION MAPPING SURVEY OF STATE OWNED WATERFOWL AREAS

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

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.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

VERNON STOTTS 301-267-5195  
MARYLAND DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 26.

DATA COLLECTED: JUNE 1962 TO PRESENT

MONITORING PROJECTS:

WOOD DUCK FLOAT CENSUS

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S. CHESAPEAKE BAY, MARYLAND, POTOMAC RIVER

ABSTRACT:

COUNTS AND SPECIES DETERMINATION OF WATERFOWL, REPTILES, MAMMALS, BIRDS AND BENTHIC PLANTS HAVE BEEN MADE EACH JUNE SINCE 1962 ALONG A 180 MILE STRETCH OF THE POTOMAC RIVER. FISHING ACTIVITY IS ALSO NOTED. (OBSERVATIONS ARE MADE FROM TWO DRIFTING BOATS, TWO OBSERVERS IN EACH BOAT.)

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

VERNON STOTTS 301-267-5195  
MARYLAND DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:  
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 24.

DATA COLLECTED: JANUARY 1966 TO PRESENT

MONITORING PROJECTS:

SUSQUEHANNA FLATS DREDGE ISLANDS

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, SUSQUEHANNA RIVER

ABSTRACT:

SMALL SCALE SURVEY TO DOCUMENT THE FLORAL SUCCESSION ON DREDGE SPOIL ISLANDS IN SUSQUEHANNA FLATS. BIRD SPECIES LISTS COMPILED FROM 3 VISITS PER YEAR SINCE 1966.

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DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

VERNON STOTTS 301-267-5195  
MARYLAND DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:  
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 17.

DATA COLLECTED: 1968 TO 1973

MONITORING PROJECTS:

PRELIMINARY DRAFT ENVIRONMENTAL IMPACT ASSESSMENT OF FIVE PROPOSED  
ALTERNATIVES FOR CAPACITY EXPANSION AT PHILADELPHIA INTERNATIONAL AIRPORT  
GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC OCEAN, COASTAL, U.S., PENNSYLVANIA, SOUTHWEST PHILADELPHIA,  
TINICUMMARSH

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.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

JAMES A. SCHMID 215-647-3110  
JACK MCCORMICK AND ASSOCIATES  
860 WATERLOO ROAD  
DEVON, PENNSYLVANIA, USA 19333

GRID LOCATOR:  
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 141.

DATA COLLECTED: JANUARY 1969 TO JANUARY 1974

MONITORING PROJECTS:

VIRGINIA SOIL SURVEY - KING GEORGE COUNTY, VIRGINIA

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., VIRGINIA, KING GEORGE COUNTY

ABSTRACT:

A SOIL SURVEY OF KING GEORGE COUNTY WAS CONDUCTED AND INCLUDES STUDIES AND DESCRIPTIONS OF THE SOIL, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS OF THE COUNTY.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PETRI 703-951-6481  
AGRONOMY DEPARTMENT  
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY  
BLACKSBURG, VIRGINIA, USA 24061

GRID LOCATOR:  
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 125.

DATA COLLECTED: JANUARY 1970 TO PRESENT

MONITORING PROJECTS:

BIOLOGICAL REPORTS FOR PERMIT APPLICATIONS TO ALTER MARSHLANDS, ESTUARINE BOTTOMS, TIDELEADS AND STATE-OWNED LAKES OF NORTH CAROLINA  
GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:

BIOLOGICAL REPORTS WHICH DETERMINE EFFECTS OF BUILDING AND DREDGING PROJECTS ON COASTAL MARSH LANDS, ESTUARINE BOTTOMS, TIDELEADS AND STATE-OWNED LAKES ARE CONTAINED IN THIS FILE. AERIAL PHOTOGRAPHY IS USED TO MONITOR ANY BUILDING OR DREDGING PERMIT VIOLATIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

JAMES T. BROWN 919-726-7021  
DIVISION OF COMMERCIAL AND SPORTS FISHERIES  
NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES  
P.O. BOX 769  
MOOREHEAD CITY, NORTH CAROLINA, USA 28557

GRID LOCATOR:  
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 109.

MONITORING PROJECTS:  
ECOLOGICAL WETLANDS ASSESSMENT

DATA COLLECTED: JULY 1970 TO PRESENT

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:

FILE CONTAINS WETLANDS ASSESSMENTS RELATIVE TO PERMIT APPLICATIONS UNDER MARYLAND WETLAND LAW, ARTICLE 6C, SECTION 718 TO 731. LARGELY QUALITATIVE DATA FROM SITE VISITS; 3 SITES RECEIVED QUANTITATIVE SAMPLING: MYSTIC HARBOR, SNUG HARBOR AND FRONTIERTOWN.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

WILLIAM SIPPLE 301-267-5877  
WATER RESOURCES ADMINISTRATION  
DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:  
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 19.

DATA COLLECTED: JULY 1971 TO PRESENT

MONITORING PROJECTS:  
CHECKLIST OF VASCULAR PLANTS ASSOCIATED WITH TIDAL WETLANDS IN MARYLAND

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN. 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.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

WILLIAM SIPPLE 301-267-5877  
WATER RESOURCES ADMINISTRATION  
DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR: COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 21.

DATA COLLECTED: JANUARY 1972 TO PRESENT

MONITORING PROJECTS:  
SPOILED WETLANDS RECOVERY STUDY

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, QUEEN ANN COUNTY

ABSTRACT:

A STUDY OF VEGETATIVE REHABILITATION OF THREE DISTURBED MARSHES IN QUEEN ANN COUNTY, MARYLAND IS BEING CONDUCTED. ALL SUBMERGENT AND EMERGENT PLANTS TO 3 FOOT WATER DEPTH AT THREE DISTURBED AREAS, AND 52 STATIONS PER DISTURBED AREA ARE BEING STUDIED. SAMPLES ARE TAKEN EARLY AND LATE SUMMER.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

JAMES R. GOLDBERRY, DIRECTOR 301-267-5195  
MARYLAND WILDLIFE ADMINISTRATION  
DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:  
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 162.

DATA COLLECTED: JUNE 1972 TO PRESENT

MONITORING PROJECTS:  
RECOGNITION BY REMOTE SENSING OF WETLAND VEGETATION

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, YORK RIVER, PAMUNKEY RIVER,  
PURTRAN ISLAND MARSH, SWEET HALL MARSH, TASKINAS CREEK MARSH

ABSTRACT:

SPECIES DETERMINATION, BIOMASS AND BODY LENGTH WERE RECORDED MONTHLY FOR PLANTS  
COLLECTED AT 10 LOCATIONS IN THE PURTRAN ISLAND, SWEET HALL AND TASKINAS CREEK  
MARSHES OF THE CHESAPEAKE BAY AREA, BEGINNING IN JUNE 1972 AND CONTINUING TO  
THE PRESENT. THE DOMINANT SPECIES FOR EACH MARSH WAS RECORDED. SPECIES RECOGNITION  
WAS ATTEMPTED WITH INFRARED, COLOR AND BLACK AND WHITE PHOTOGRAPHS. THE RESULTS  
OF THE STUDY ARE AVAILABLE IN THE FORM OF DATA SHEETS FROM VIMS. FILMS ARE HELD  
AT NASA LANGLEY AND VIMS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

KENNETH MARCELLUS 804-642-2111  
VIRGINIA INSTITUTE OF MARINE SCIENCE  
GLOUCESTER POINT, VIRGINIA, USA 23062

DATA COLLECTED: JUNE 1972 TO PRESENT

MONITORING PROJECTS:

ENVIRONMENTAL CONSULTATION - WETLANDS LYNNHAVEN AREA OF LOWER CHESAPEAKE BAY  
AND ELIZABETH RIVER  
GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN BAY,  
ELIZABETH RIVER

ABSTRACT:

SURVEY OF HYDROGRAPHIC AND BIOLOGICAL PARAMETERS OF LOWER CHESAPEAKE BAY,  
LYNNHAVEN BAY AND ELIZABETH RIVER. DATA COLLECTED IN CONJUNCTION WITH  
CONTRACT WORK FOR CONTRACTORS AND LAND DEVELOPERS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PAUL KIRK 804-489-6000  
INSTITUTE OF OCEANOGRAPHY  
OLD DOMINION UNIVERSITY  
NORFOLK, VIRGINIA, USA 23508

GRID LOCATOR:  
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 67.

DATA COLLECTED: JANUARY 1973 TO PRESENT

MONITORING PROJECTS:  
SURVEY OF ANADROMOUS FISH SPAWNING AREAS; MAGOTHY, PATAPSCO, BACK,  
MIDDLE RIVER DRAINAGES; STREAM INVESTIGATION  
GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:

ONE HUNDRED STREAMS IN MARYLAND WERE INVENTORIED TO IDENTIFY THOSE HAVING POTENTIAL TO SUPPORT SPAWNING RUNS OF ANADROMOUS FISH, TO DETERMINE PROBLEM AREAS, HABITAT TYPE, DEVELOPMENTAL STATUS AND OTHER ECOLOGICAL INFORMATION. (AVAILABLE ALSO IN SUMMARY REPORT. AVERAGE STREAM WIDTHS AND AVERAGE MIDDLE DEPTHS ESTIMATED OR MEASURED AT VARIOUS INTERVALS ON THE STREAMS.)

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

C. JAY O'DELL 301-267-5361  
FISHERIES ADMINISTRATION  
DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:  
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 42.

DATA COLLECTED: MAY 1973 TO PRESENT

MONITORING PROJECTS:  
COMMONWEALTH OF VIRGINIA TIDAL MARSH INVENTORY

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA

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.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

DR. GENE M. SILBERHORN 804-642-2111  
VIRGINIA INSTITUTE OF MARINE SCIENCE  
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:  
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 103.

DATA COLLECTED: JANUARY 1974 TO PRESENT

MONITORING PROJECTS:  
SPOIL STUDIES ON THE WESTERN SHORE OF MARYLAND

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, QUEEN ANN,  
SOMERSET, WACOMICO AND DORCHESTER COUNTIES

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. VEGETATIVE APPEARANCE AND SPECIES LIST FOR  
BOTH SUPER AND INTER-TIDAL SAMPLES ARE NOTED.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

JAMES R. GOLDBERRY, DIRECTOR 301-267-5195  
MARYLAND WILDLIFE ADMINISTRATION  
DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR: COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 164.

DATA COLLECTED: JUNE 1974 TO PRESENT

MONITORING PROJECTS:

CHOWAN RIVER PROJECT

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., NORTH CAROLINA, CHOWAN RIVER

ABSTRACT:

A STUDY OF NUPHAR ADVENA AND JUSTICIA AMERICANA IN CHOWAN RIVER.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

DR. M. BRINSON 919-758-6718  
DEPARTMENT OF BIOLOGY  
EAST CAROLINA UNIVERSITY  
GREENVILLE, NORTH CAROLINA, USA 27834

GRID LOCATOR:  
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 108.

DATA COLLECTED: JULY 1975 TO PRESENT

MONITORING PROJECTS:  
MARSH AND CREEK VEGETATION SURVEY

GENERAL GEOGRAPHIC AREA:  
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, QUEEN ANN COUNTY

ABSTRACT:

A SURVEY OF THE MARSH AND CREEK VEGETATION OF QUEEN ANN COUNTY, BAY SIDE OF EASTERN SHORE, MARYLAND IS BEING CONDUCTED. ALL PLANTS FROM THE HIGH MARSH EMERGENT TO AQUATIC SUBMERGENT OF CREEKS FROM HEAD WATER TO MOUTH ARE NOTED. SEVEN MARSH TRANSECTS WITH 5 STATIONS EACH, AND 14 CREEK TRANSECTS WITH 6 STATIONS EACH ARE MEASURED.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

JAMES R. GOLDBERRY, DIRECTOR 301-267-5195  
MARYLAND WILDLIFE ADMINISTRATION  
DEPARTMENT OF NATURAL RESOURCES  
TAWES STATE OFFICE BUILDING  
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:  
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 166.