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Reports

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1972

## Chesapeake Bay Bibliography - Volume II Virginia Waters


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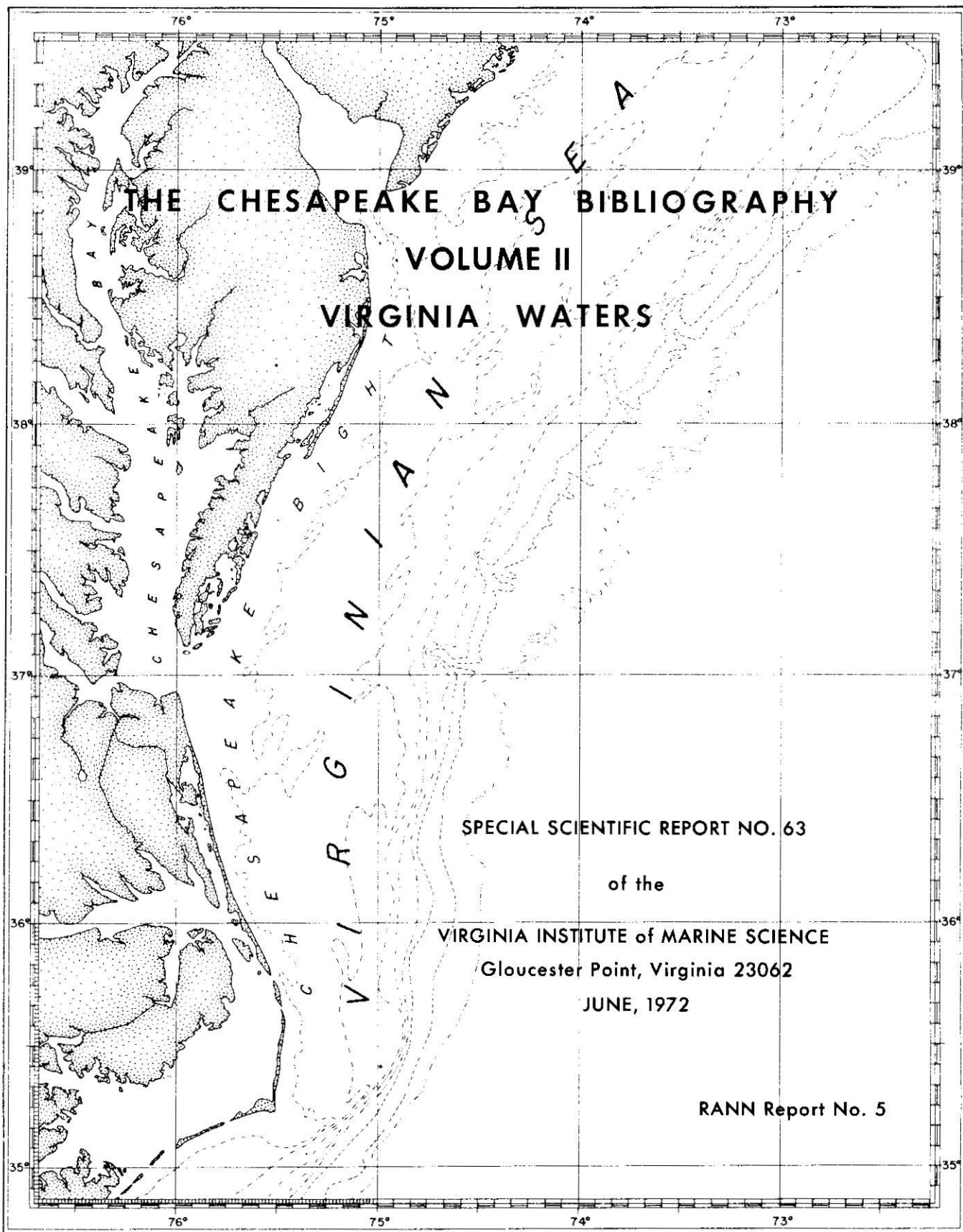
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### Recommended Citation

Tennyson, P. S., Barrick, S. O., Wojcik, F. J., & Hargis, W. J. (1972) Chesapeake Bay Bibliography - Volume II Virginia Waters. Special Scientific Report (Virginia Institute of Marine Science); No. 63. Virginia Institute of Marine Science, College of William and Mary. <https://doi.org/10.21220/V50H76>

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THE CHESAPEAKE BAY BIBLIOGRAPHY

VOLUME II

VIRGINIA WATERS

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Special Scientific Report No. 63  
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Virginia Institute of Marine Science  
William J. Hargis, Jr.  
Director

June 1972

RANN Report No. 5

## ACKNOWLEDGEMENTS

Of the many individuals and agencies who provided assistance for the project, we particularly wish to thank Joanne Lyczkowski, Maurice P. Lynch, and Douglas Wood for assistance in locating and indexing the literature cited; Mrs. May Daw, who was especially instrumental in developing the indexing system; and the Office of Water Resources Research, U. S. Department of the Interior, whose Water Resources Thesaurus, with certain modifications, formed the backbone of the descriptor list.

While the first volume dealing with the James River, which was supported from a number of sources, provided a basis for this work, the bulk of the financial support for this volume was provided by Grant Number GI-29909 from the Research Applied to National Needs (RANN) Program of the National Science Foundation. The remainder was provided from the General Fund of the Commonwealth through its appropriation to the Virginia Institute of Marine Science.

We are grateful to Dr. Richard C. Kolf of the RANN Program for facilitating the work and to our colleagues in the Consortium for providing advice, assistance, and entries.

We profoundly hope the work will be useful.

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## PREFACE

This work is the promised continuation and enlargement of the Chesapeake Bay Bibliography begun over two years ago when the Chesapeake Research Consortium, Inc., of which VIMS is a part, was in its early inception. This, the second volume of our multivolume bibliography, is devoted largely to materials focused on the lower half of the Bay, though articles of bay-wide interest are included. The third volume, expected to be completed next year, will include citations on the upper Bay. Other volumes may follow later. Once the basic series is completed, maintenance revisions are planned. Our primary purpose remains to develop a comprehensive research and information services program for those interested in management of and research on the environments and resources of the Bay region.

## INTRODUCTION

In recent years, the manifold problems of the Chesapeake Bay and its tributaries have been thrust on its people with terrifying magnitude and scant warning. The planning and management of so great a natural resource is an overwhelming task, and the successful manager needs all help available.

It is our hope that, by providing in the Chesapeake Bay Bibliography a compilation of the literature concerning the Bay, we may have made easier the task of those who would treat its ills.

The Chesapeake Bay Bibliography, Virginia Waters follows guidelines established in the first volume based on the James River. Like that model, the current bibliography uses a subject index approach and takes advantage of the increasing electronic computer capability of the Institute. Computer-coded descriptors have been used, as explained in the Guide to Users.

Books, periodicals, government, institutional, and academic reports, theses, and dissertations have been consulted to compile the citations contained in the bibliography. It has been our intention to include listings from all sources and of all types, "grey" and otherwise, in order to present the "complete" compendium of work relevant to knowledge of the Chesapeake Bay. No bibliographic effort of this scope can attain one hundred percent coverage; however, it is hoped that this bibliography will prove itself in practice and be useful to members of the academic and scientific communities, as well as to government and private individuals. Constructive comments on its comprehension and format will be welcomed. We will also appreciate notification of new materials, be they theses, dissertations, informal reports, formal reports, data inventories, or other forms of publication for incorporation into later revisions.

## GUIDE TO USERS

The Chesapeake Bay Bibliography, Virginia Waters is a subject index of literature concerning the lower Bay, from the Potomac River to the Chesapeake Bight. Subject terms were chosen from the Water Resources Thesaurus, a list of terms suggested for such indexes, published by the Office of Water Resources Research of the U. S. Department of the Interior (1966). Additional descriptors were added where geographic or other specialized concerns made them necessary (e.g., Piankatank River, molting, oyster industry).

Each citation in the bibliography was read in part or in whole, and assigned as many descriptors as necessary to describe its contents, to a maximum of ten descriptors. Each descriptor was assigned a code number to facilitate manipulation of data by an electronic computer.

Descriptor headings appear alphabetically in the bibliography. Although nearly 4,000 descriptors are available, only those used appear here. Under each descriptor heading is a listing of citations in chronological order. Each citation is followed by a list of the applicable descriptors.

We have added an alphabetical list of the descriptors and their cross-references interfiled with other terms that are intended to lead the user to the proper descriptors.

In some entries, the user will notice a five digit alpha-numeric code which appears immediately before the keywords listed for the citation. This is the accession number of the reference cited, which is available in the Marine Environment and Resources Research and Management System (MERRMS) Library at the Virginia Institute of Marine Science.

Additional references present in the MERRMS Library are catalogued in this publication by both descriptor and author, and may be located in the same manner as other citations.



## ERRATA SHEET

Due to computer misprints, numerous descriptors beginning with the letters "S" and "T" are incorrect. None of the incorrect descriptors are used as descriptor headings; therefore, all of the descriptor headings are correct.

Example:

### SEWAGE DISPOSAL

1969 VIRGINIA MARINE RESOURCES COMMISSION  
REQUEST OF CITY OF RICHMOND TO DUMP RAW SEWAGE INTO JAMES RIVER  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION - 23 SEPT

JAMES RIVER, SLUICE GATES

Should read:

JAMES RIVER, SEWAGE DISPOSAL

The following is a list of the incorrect descriptors as they appear in the bibliography. They are followed by the correct descriptors.

SHALLOW WELLS - TEMPERATURE	STREAMBEDS - SPOT
SHAPE - TEMPERATURE CONTROL	STREAMFLOW FORCASTING - SPOTTED SEA TROUT
SHEET EROSION - TERRACES (GEOLOGICAL)	STRUCTURAL MODELS - STATE GOVERNMENTS
SHELLFISH - TERTIARY PERIOD	STRUCTURAL RELAXATION - STATE JURISDICTION
SILVERSIDES - THERMAL WATER	STRUCTURAL SHAPES - STATIONS
SLIME - TIDAL EFFECTS	STRUCTURAL STABILITY - STATISTICAL METHODS
SLOPE PROTECTION - TIDAL MARSHES	STRUCTURE - STATISTICS
SLUDGE - TIDES	SUBSIDENCE - STICKLEBACKS
SLUICE GATES - SEWAGE DISPOSAL	SUBSTATIONS (ELECTRICAL) - STINGING NETTLES
SLURRIES - SEWAGE EFFLUENTS	SULFATES - STORMS
SMALL GAME - SEWAGE TREATMENT	SULFUR BACTERIA - STRATIGRAPHY
SNOW COVER - SHARKS	SUN - STREAM GAGES
SOCIAL ASPECTS - SHELLFISH	SUPERIMPOSED DRAINAGE - STREAMFLOW
SOCIAL FUNCTION - SHIPS	SURFACE TENSION - STRIPED BASS
SOCIAL VALUES - SHORES	SURPLUS WATER - STRUCTURAL GEOLOGY
SODIUM ARSENITE - SHRIMP	SWANS - STRUCTURE
SOIL ASPHALT - SILTING	TAILWATER - SUBSURFACE INVESTIGATIONS
SOIL CEMENT - SILVERSIDES	TANGIBLE COSTS - SUBSURFACE WATERS
SOIL DENSITY - SKATES	TARIFF - SUCKERS
SOIL STABILIZATION - SNAILS	TEMPORAL DISTRIBUTION - SUMMER
SOIL STERILANTS - SNAKES	TENSILE STRESS - SUNFISHES
STERILITY - SOUTH CAROLINA	THEIS EQUATION - SURFACE RUNOFF
STOCKING - SPATIAL DISTRIBUTION	THERMAL CONDUCTIVITY - SURFACE WATERS
STOKES LAW - SPAWNING	THERMAL RADIATION - SURVEYS
STRAIN GAGES - SPECTROPHOTOMETRY	THERMAL SPRINGS - SUSPENDED LOAD
STREAM FISHERIES - SPOIL BANKS	THERMAL STRATIFICATION - SUSPENSION
STREAM GAGES - SPORES	THERMAL STRESS - SUSQUEHANNA RIVER
STREAM IMPROVEMENT - SPORT FISH	THIN FILMS - SYMBIOSIS
STREAM STABILIZATION - SPORT FISHING	THUNDERSTORMS - SYSTEMATICS

CHESAPEAKE BAY BIBLIOGRAPHY

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A BIBLIOGRAPHY OF VIRGINIA, PART 2  
BULL VIRGINIA STATE LIBRARY 10, 1-1404

ADMINISTRATIVE AGENCIES, BIBLIOGRAPHIES, VIRGINIA

1948 MARSHALL N  
REPORT ON PAST AND CURRENT FISHERIES RESEARCH ACTIVITIES DIRECTLY  
RELATING TO VIRGINIA  
VIMS SPEC SCIENTIFIC REPT 3

ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, FISHERIES, RESEARCH AND  
DEVELOPMENT

1955 HALL WL  
A BIBLIOGRAPHY OF VIRGINIA, PART 5  
BULL VIRGINIA STATE LIBRARY 25, 1-611

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VIRGINIA DEPARTMENT OF HEALTH, RICHMOND, VIRGINIA

ADMINISTRATIVE AGENCIES, STRUCTURE

1970 UNITED STATES DEPARTMENT OF THE INTERIOR  
CHESAPEAKE BAY, MARYLAND AND VIRGINIA  
IN NATIONAL ESTUARY STUDY, VOLUME 3, FISH AND WILDLIFE SERVICE, P. 65-112

ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, WATER CONSERVATION, WATER  
MANAGEMENT (APPLIED), WATER RESOURCES DEVELOPMENT

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1971 HARTWELL E  
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2

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CHESAPEAKE BAY  
SCIENCE 172, 825-827

ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, CONSERVATION, MARYLAND, NUCLEAR  
POWERPLANTS, SOCIAL ASPECTS, SIEVE ANALYSIS, VIRGINIA, WATER POLLUTION

1971 HARGIS WJ JR, LYNCH MP  
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VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 14 (2ND EDITION)

ADMINISTRATIVE AGENCIES, COASTS, MANAGEMENT, STRUCTURAL MODELS, VIRGINIA

BIGELOW RH  
ANALYSIS OF MULTIUNIVERSITY RESEARCH AND TECHNOLOGY CENTERS IN VIRGINIA  
OLD DOMINION UNIVERSITY

ADMINISTRATIVE AGENCIES, RESEARCH FACILITIES, UNIVERSITIES, VIRGINIA

\*\*\*\*\* ADMINISTRATIVE DECISIONS

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1967 VIRGINIA MARINE RESOURCES STUDY COMMISSION  
MARINE RESOURCES OF VIRGINIA--THEIR USE, CONSERVATION AND DEVELOPMENT.  
REPORT TO THE GOVERNOR AND THE GENERAL ASSEMBLY OF VIRGINIA  
RICHMOND, VA DEPT PURCHASES AND SUPPLY

ADMINISTRATIVE DECISIONS, CONSERVATION, FISHING, RESEARCH FACILITIES,  
VIRGINIA, WATER RESOURCES DEVELOPMENT

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ADMINISTRATIVE DECISIONS, CHANNEL IMPROVEMENT, COST-BENEFIT ANALYSIS,  
NAVIGABLE RIVERS, PAMUNKEY RIVER, YORK RIVER

1971 MILLAR AE JR, GIBSON JD, KLAFTER RD  
CLEAN WATER--AFFLUENCE, INFLUENCE, EFFLUENTS  
OLD DOMINION UNIV

ADMINISTRATIVE DECISIONS, JAMES RIVER, LEGAL ASPECTS, VIRGINIA, WATER  
MANAGEMENT (APPLIED), WATER QUALITY CONTROL

\*\*\*\*\* ADSORPTION

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1958 ACADEMY OF NATURAL SCIENCES, PHILADELPHIA. DEPARTMENT OF LIMNOLOGY  
JAMES RIVER, VIRGINIA--BIOLOGICAL, CHEMICAL, AND HYDROGRAPHIC STUDIES FOR  
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AGRICULTURE, ECONOMICS, LONG-TERM PLANNING, RAPPAHANNOCK RIVER,  
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DEVELOPMENT

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YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 225

AGRICULTURE, ECONOMICS, ELECTRIC POWER PRODUCTION, FUTURE PLANNING  
(PROJECTED), GEOLOGY, GROUNDWATER, MINERALOGY, RECREATION, THERMAL  
CONDUCTIVITY, YORK RIVER

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 226

AGRICULTURE, ECONOMICS, FINANCIAL ANALYSIS, INDUSTRIES, POPULATION  
DYNAMICS, RECREATION, TRANSPORTATION, YORK RIVER

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1971 VIRGINIA GOVERNORS COUNCIL ON THE ENVIRONMENT  
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AIR POLLUTION, EROSION CONTROL, MINE WASTES, MUNICIPAL WASTES, SMALL  
GAME, STRUCTURAL RELAXATION, VIRGINIA, WATER POLLUTION CONTROL

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FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 89-93

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ALGAE, BENTHIC FLORA, CHESAPEAKE BAY, REPRODUCTION

## \*\*\*\*\* ALOSIDS

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VIMS THESIS

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\*\*\*\*\* AMERICAN SHAD \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 93-100

AMERICAN SHAD, ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY

1952 MASSMANN WH  
A PRELIMINARY STUDY OF SHAD, ALOSA SAPIDISSIMA (WILSON) SPANNING IN SOME  
VIRGINIA RIVERS  
(VIMS THESIS)

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SHAD IN VIRGINIA WATERS  
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1965 FAUNCE JL  
EFFECT OF ENVIRONMENTAL SALINITY ON THE AMINO ACIDS OF BALANUS IMPROVISUS  
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1965 LYNCH MP  
EFFECTS OF ENVIRONMENTAL SALINITY ON FREE AMINO ACIDS OF CRASSOSTREA  
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ISOSMOTIC INTERCELLULAR REGULATION AS A MECHANISM OF VOLUME CONTROL IN  
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VIMS SPECIAL SCIENTIFIC REPT 25

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SHAPES, YORK RIVER

## \*\*\*\*\* AMPHIBIANS

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AMPHIBIA AND REPTILES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
195-211

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MARYLAND)

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MAYER'S VARIETIES OF CAPRELLA ACUTIFRONS LATREILLE  
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AMPHIPODA, JAMES RIVER, THUNDERSTORMS

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THE DISTRIBUTION AND ECOLOGY OF THE GAMMARIDEA (CRUSTACEA- AMPHIPODA) OF  
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(VIMS THESIS)

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SALINITY, YORK RIVER

1969 BOUSFIELD EL  
NEW RECORDS OF GAMMARUS (CRUSTACEA&AMPHIPODA) FROM THE MIDDLE ATLANTIC  
REGION  
HES SCI 10, 1-17

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RIVER, POTOMAC RIVER, RAPPAHANNOCK RIVER, WATER EQUIVALENT, YORK RIVER

1970 LYNCH MP, HARRISON W  
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AMPHIPODA, BIODEPOSITION, YORK RIVER, BENTHIC FAUNA

1971 FEELEY JB, WASS ML  
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AMPHIPODA, CHESAPEAKE BAY, DISTRIBUTION PATTERNS, JAMES RIVER, PAMUNKEY  
RIVER, RAPPAHANNOCK RIVER, YORK RIVER

## \*\*\*\*\* ANADROMOUS FISH

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 102-105

ANADROMOUS FISH, ATLANTIC MENHADEN, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 85-89

ANADROMOUS FISH, BLUEBACK HERRING, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 93-100

AMERICAN SHAD, ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 81-115

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 43-44

ANADROMOUS FISH, CHESAPEAKE BAY, DISTRIBUTION, LAMPREYS, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 247-249

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, SURFACE TENSION

1950 MARSHALL N  
MARINE FISHES AND INVERTEBRATES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
139-150

ANADROMOUS FISH, CATCH, DRAINAGE SYSTEMS, FISH TAXONOMY, JAMES RIVER,  
OYSTERS, RIVER BASINS

1951 MASSMANN WH  
CHARACTERISTICS OF SPAWNING AREAS OF SHAD...IN SOME VIRGINIA STREAMS  
AMER FISHERIES SOC TRANS 81, 78-93 (VIMS CONTR 39

ALOSIDS, ANADROMOUS FISH, STOKES LAW, VIRGINIA

1956 MASSMANN WH, BAILEY RS  
SHAD IN VIRGINIA WATERS  
(VIMS CONTR 60)

AMERICAN SHAD, ANADROMOUS FISH, VIRGINIA

1967-GRANT GC  
ANADROMOUS FISH PROJECT, ESTIMATION OF PARAMETERS OF STRIPED BASS  
POPULATIONS AND DESCRIPTION OF THE FISHERY OF LOWER CHESAPEAKE BAY  
UNPUBL PROG REPTS, VIMS, 1967--

ANADROMOUS FISH, JAMES RIVER, RAPPAHANNOCK RIVER, SURFACE TENSION, YORK  
RIVER

1967-DAVIS J  
ANADROMOUS FISH PROJECT, BIOLOGY AND UTILIZATION OF ANADROMOUS ALOSIDS  
UNPUBL PROG REPTS, VIMS, 1967--

ALOSIDS, ANADROMOUS FISH, DISSOLVED OXYGEN, TRIBUTARIES, VIRGINIA

\*\*\*\*\* ANALOG COMPUTERS \*\*\*\*\*

1967 RICHARDS CE  
ANALOG COMPUTER TECHNIQUES FOR AGE-GROWTH STUDIES OF FISHES  
SOUTHEASTERN ASSOC GAME AND FISH COMM, 21ST CONF PROC, 273-276 (VIMS CONTR  
274)

ANALOG COMPUTERS, COMPUTER PROGRAMS, GROWTH STAGES

\*\*\*\*\* ANIMAL CONTROL \*\*\*\*\*

1971 VIRGINIA DEPARTMENT OF AGRICULTURE AND COMMERCE  
RULES AND REGULATIONS FOR ENFORCEMENT OF THE VIRGINIA PESTICIDE LAW  
DIVISION OF REGULATORY SERVICES, RICHMOND, VA.

ANIMAL CONTROL, ARSENIC COMPOUNDS, AVICIDES, BRUSH CONTROL, CHLORINATED  
HYDROCARBON PESTICIDESDDT, DIELDRIN, LEGAL ASPECTS, PESTICIDES, VIRGINIA

\*\*\*\*\* ANIMAL PARASITES \*\*\*\*\*

1945 ROGERS MR  
DISTRIBUTION OF THE FUNGUS LAGENIDIUM CALLINECTES COUCH AND ITS EFFECT ON  
EGGS OF THE BLUE CRAB  
VIMS THESIS

ANIMAL PARASITES, CRABS, FUNGI, YORK RIVER

1947 GALTSOFF PS, ET AL  
ECOLOGICAL AND PHYSIOLOGICAL STUDIES OF THE EFFECT OF SULFATE PULP MILL  
WASTES ON OYSTERS IN THE YORK RIVER, VIRGINIA  
SF+WS FISHERY BULLETIN 51, 43

ANIMAL PARASITES, ANIMAL PATHOLOGY, CURRENTS (WATER), OYSTERS,  
PHYTOPLANKTON, PIANKATANK RIVER, POLLUTANTS, PULP WASTES, VIRGINIA, YORK  
RIVER

1957 FENG SY  
ECOLOGICAL AND EPIDEMIOLOGICAL STUDIES OF NEMATOPSIS OSTREARUM, A  
SPOROZOAN PARASITE OF THE OYSTER...IN LOWER CHESAPEAKE BAY AND ITS  
TRIBUTARIES  
VIMS THESIS

CHESAPEAKE BAY, OYSTERS, PARASITISM, ANIMAL PARASITES, PROTOZOA

1958 FENG SY  
OBSERVATIONS ON DISTRIBUTION AND ELIMINATION OF SPORES OF NEMATOPSIS  
OSTREARUM IN OYSTERS  
NATL SHELLFISH ASSOC PROC 48, 162-173 (VIMS CONTR 88)

OYSTERS, PARASITISM, HISTOLOGICAL INVESTIGATIONS, STREAM GAGES, PROTOZOA,  
ANIMAL PARASITES

1961 HARGIS WJ JR, MACKENZIE CL JR  
SEXUAL BEHAVIOR OF THE OYSTER DRILLS--EUPLEURA CAUDATA AND UROSALPINX  
CINEREA  
NAUTILUS 75, 7-16 (VIMS CONTR 100)

GASTROPODS, OYSTER DRILLS, REPRODUCTION, ANIMAL PARASITES

1966 VAN ENGEL WA ET AL  
LOXOTHYLACUS PANOPAEI...AN INTRODUCED PARASITE ON A XANTHID CRAB IN  
CHESAPEAKE BAY  
CRUSTACEANA 10(1), 111-112

ANIMAL PARASITES, CHESAPEAKE BAY, CRABS, SOCIAL ASPECTS

1969 CAMPBELL RA  
AN UNUSUAL INFECTION OF POLYSTOMA NEARCTICUM (PAUL, 1938)  
VIRGINIA J SCIENCE 20, 174-175 (VIMS CONTR 343)

ANIMAL PARASITES, TREMATODES, VIRGINIA

1969 PERKINS FO  
ELECTRON MICROSCOPE STUDIES OF SPORULATION IN THE OYSTER PATHOGEN,  
MINCHINIA COSTALIS (SPOROZOA, HAPLOSPORIDA)  
J PARASITOLOGY 55, 897-920 (VIMS CONTR 307)

ANIMAL PARASITES, JAMES RIVER, MICROORGANISMS, OYSTERS, STREAM GAGES,  
ELECTRON MICROSCOPY

\*\*\*\*\* ANIMAL PATHOLOGY

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1947 GALTSOFF PS, ET AL  
ECOLOGICAL AND PHYSIOLOGICAL STUDIES OF THE EFFECT OF SULFATE PULP MILL  
WASTES ON OYSTERS IN THE YORK RIVER, VIRGINIA  
SF+WS FISHERY BULLETIN 51, 43

ANIMAL PARASITES, ANIMAL PATHOLOGY, CURRENTS (WATER), OYSTERS,  
PHYTOPLANKTON, PIANKATANK RIVER, POLLUTANTS, PULP WASTES, VIRGINIA, YORK  
RIVER

1962 HOESE HD  
STUDIES ON OYSTER SCAVENGERS AND THEIR RELATION TO THE FUNGUS  
DERMOCYSTIDIUM MARINUM  
NATL SHELLFISH ASSOC PROC 53, 161-174 (VIMS CONTR 162)

DERMOCYSTIDIUM, OYSTERS, SCAVENGERS, MARINE FUNGI, ANIMAL PATHOLOGY,  
CRABS

1965 ANDREWS JD  
INFECTION EXPERIMENTS IN NATURE WITH DERMOCYSTIDIUM MARINUM IN CHESAPEAKE  
BAY  
CHES SCI 6, 60-67 (VIMS CONTR 172)

CHESAPEAKE BAY, MSX, OYSTERS, PATHOGENIC FUNGI, ANIMAL PATHOLOGY

1966 BARROW JH ET AL  
FLUORESCENT-ANTIBODY STUDIES OF HAPLOSPORIDIAN PARASITES OF OYSTERS IN  
CHESAPEAKE AND DELAWARE BAY  
SCIENCE 153(3743), 1531-1533

ANIMAL PATHOLOGY, CHESAPEAKE BAY, DELAWARE, FLUORESCENCE, MSX, OYSTERS,  
STREAM GAGES

1967 ANDREWS JD  
OYSTER MORTALITY STUDIES IN VIRGINIA. 6. HISTORY AND DISTRIBUTION OF  
MINCHINIA NELSONI, A PATHOGEN OF OYSTERS, IN VIRGINIA  
CHESAPEAKE SCIENCE 8, 1-13 (VIMS CONTR 225)

JAMES RIVER, MSX, OYSTERS, ANIMAL PATHOLOGY, MORTALITY, DISTRIBUTION  
PATTERNS, PROTOZOA

1967 ALLEN N, PELCZAR MJ  
BACTERIOLOGICAL STUDIES ON THE WHITE PERCH, ROCCUS AMERICANUS  
CHES SCI 8, 135-154

ANIMAL PATHOLOGY, BACTERIA, FISH, FISH DISEASES, WHITE PERCH

1969 KRANTZ GE, ET AL  
VIBRIO PARAHAEMOLYTICUS FROM THE BLUE CRAB CALLINECTES SAPIOUS IN  
CHESAPEAKE BAY  
SCIENCE 164(3885), 1286-1287

ANIMAL PATHOLOGY, BACTERIA, CRABS

1969 COWLWELL RR  
COMPUTER STUDIES OF MICROORGANISMS ASSOCIATED WITH INVERTEBRATE ANIMALS  
IN THE CHESAPEAKE BAY AND ISOLATION OF VIBRIO PARAHAEMOLYTICUS FROM THE  
BLUE CRAB  
OOD-DRUGS FROM THE SEA PROC 1969 HW YOUNGKEN ED

ANIMAL PATHOLOGY, BACTERIA, ANIMAL PATHOLOGY, CRABS

1969 WARLEN SM  
ADDITIONAL RECORDS OF PUGHEADED ATLANTIC MENHADEN, BREVOORTIA TYRANNUS  
CHES SCI 10, 67-68

ANIMAL PATHOLOGY, ATLANTIC MENHADEN

1969 COWLWELL RR  
COMPUTER STUDIES OF MICROORGANISMS ASSOCIATED WITH INVERTEBRATE ANIMALS  
IN THE CHESAPEAKE BAY AND ISOLATION OF VIBRIO PARAHAEMOLYTICUS FROM THE  
BLUE CRAB  
OOD-DRUGS FROM THE SEA PROC 1969 HW YOUNGKEN ED

ANIMAL PATHOLOGY, BACTERIA, AQUATIC MICROORGANISMS, CRABS, INVERTEBRATES

## \*\*\*\*\* ANIMAL PHYSIOLOGY \*\*\*\*\*

1961 MOURE RB  
MORPHOLOGY AND HISTOLOGY OF THE REPRODUCTIVE ORGANS OF UROSALPINX CINEREA  
AND EUPLEURA CAUDATA  
VIMS THESIS

ANIMAL PHYSIOLOGY, OYSTER DRILLS, REPRODUCTION, HISTOLOGICAL INVESTIGATIONS,  
MORPHOLOGY

1969 MENGEBIER WL, WOOD L  
THE EFFECTS OF MINCHINIA NELSONI INFECTION ON ENZYME LEVELS IN  
CRASSOSTREA VIRGINICA. II. SERUM PHOSPHOHEXOSE ISOMERASE  
COMP BIOCHEM PHYSIOL 29, 265-270 (VIMS CONTR 291)

ANIMAL PHYSIOLOGY, ENZYMES, MSX, ORGANIC COMPOUNDS, OYSTERS

1969 MENGEBIER WL, WOOD L  
THE EFFECTS OF MINCHINIA NELSONI INFECTION ON ENZYME LEVELS IN  
CRASSOSTREA VIRGINICA. II. SERUM PHOSPHOHEXOSE ISOMERASE  
COMP BIOCHEM PHYSIOL 29, 265-270 (VIMS CONTR 291)

ANIMAL PHYSIOLOGY, ENZYMES, MSX, ORGANIC COMPOUNDS, OYSTERS

## \*\*\*\*\* ANIMAL POPULATIONS \*\*\*\*\*

1950 VIRGINIA ACADEMY OF SCIENCE, JAMES RIVER PROJECT COMMITTEE  
JAMES RIVER BASIN, PAST, PRESENT AND FUTURE  
RICHMOND, VA ACAD SCIENCE

ANIMAL POPULATIONS, CONSERVATION, ECOLOGY, GEOLOGIC INVESTIGATIONS,  
HISTORY, JAMES RIVER, RECREATION, RIVER BASIN DEVELOPMENT, TRANSPORTATION

1964 HARRISON W ET AL  
SEDIMENTS OF LOWER CHESAPEAKE BAY WITH EMPHASIS ON MASS PROPERTIES  
JOURNAL OF SEDIMENTARY PETROLOGY 34(4), 727-755

ANIMAL POPULATIONS, BENTHOS, SEDIMENT DISTRIBUTION, SEDIMENTS

## \*\*\*\*\* ANIMAL WASTES (WILDLIFE) \*\*\*\*\*

1964 DAVIS RV ET AL  
TREATMENT OF DUCK WASTES AND THEIR EFFECTS ON THE WATER QUALITY IN THE  
RAPPAHANNOCK RIVER, URBANNA, VIRGINIA  
VIRGINIA STATE WATER CONTROL BOARD, RICHMOND

ANIMAL WASTES (WILDLIFE), FARM LAGOONS, FARM WASTES, POULTRY,  
RAPPAHANNOCK RIVER, WASTE TREATMENT

1966 KRAEUTER JN  
DESCRIPTIONS OF FECAL PELLETS OF SOME COMMON INVERTEBRATES IN THE LOWER  
YORK RIVER AND LOWER CHESAPEAKE BAY, VIRGINIA  
VIMS THESIS

ANIMAL WASTES (WILDLIFE), CHESAPEAKE BAY, INVERTEBRATES, YORK RIVER

1968 HAVEN DS, MORALES-ALAMO R  
OCCURRENCE AND TRANSPORT OF FAECAL PELLETS IN SUSPENSION IN A TIDAL  
ESTUARY  
SEDIMENTARY GEOLOGY 2, 141-151 (VIMS CONTR 264)

ANIMAL WASTES (WILDLIFE), BIODEPOSITION, JAMES RIVER, SEDIMENT TRANSPORT,  
THERMAL SPRINGS

## \*\*\*\*\* APPOMATTOX RIVER \*\*\*\*\*

1969 VIRGINIA MARINE RESOURCES COMMISSION  
APPOMATTOX RIVER WATER IMPOUNDMENT  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION-- 24 JUNE

APPOMATTOX RIVER, DAMS, IMPOUNDED WATERS, JAMES RIVER, RESERVOIRS

## \*\*\*\*\* AQUATIC ANIMALS \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 42-43

AQUATIC ANIMALS, CHESAPEAKE BAY, DISTRIBUTION

## \*\*\*\*\* AQUATIC INSECTS \*\*\*\*\*

1971 SIMMONS GM JR, WINFIELD A  
A FEASIBILITY STUDY USING CONSERVATION WEBBING AS AN ARTIFICIAL SUBSTRATE  
IN MACROBENTHIC STUDIES  
VA J SCIENCE 22, 52-59

AQUATIC INSECTS, BENTHIC FAUNA, INDICATORS, LAND DEVELOPMENT, SAMPLING

## \*\*\*\*\* AQUATIC MICROORGANISMS \*\*\*\*\*

1961 GRIFFITH RE  
PHYTOPLANKTON OF CHESAPEAKE BAY  
CONTR 172, CHESAPEAKE BIOLOGICAL LABORATORY, SOLOMONS, MARYLAND  
(ILLUSTRATED)

CHESAPEAKE BAY, PHYTOPLANKTON, THUNDERSTORMS, AQUATIC MICROORGANISMS



1968 AMON JP  
STUDIES OF LABYRINTHULA SPP. IN CULTURE  
VIMS THESIS

AQUATIC MICROORGANISMS, EEL GRASS, PLANT PARASITES, YORK RIVER, MARINE FUNGI

1969 COWLWELL RR  
COMPUTER STUDIES OF MICROORGANISMS ASSOCIATED WITH INVERTEBRATE ANIMALS IN THE CHESAPEAKE BAY AND ISOLATION OF VIBRIO PARAHAEMOLYTICUS FROM THE BLUE CRAB  
ODD-DRUGS FROM THE SEA PROC 1969 HW YOUNGKEN ED

ANIMAL PATHOLOGY, BACTERIA, AQUATIC MICROORGANISMS, CRABS, INVERTEBRATES

\*\*\*\*\* AQUATIC PLANTS \*\*\*\*\*

1964 BAILEY RS, HAVEN DS  
MILFOIL--A FRILLY WEED THAT RUINS YOUR SPORT  
VIRGINIA WILDLIFE 25(3), 14-16

AQUATIC PLANTS, 2,4D, VIRGINIA, HERBICIDES

1968 TRIDENT ENGINEERING ASSOCIATES, INCORPORATED  
CHESAPEAKE BAY CASE STUDY  
ANNAPOLIS, MARYLAND (CLEARINGHOUSE FOR FED SCI AND TECH INFORMATION NO. PB 179-844)

AQUATIC PLANTS, BEACH EROSION, CHESAPEAKE BAY, HARBORS, SEA NETTLES, URBANIZATION, WATER POLLUTION, WATER RESOURCES DEVELOPMENT, WETLANDS

1971 ORTH RJ  
BENTHIC INFAUNA OF EELGRASS, ZOSTERA MARINA, BEDS  
VIMS THESIS

AQUATIC PLANTS, EEL GRASS, HABITATS, YORK RIVER

\*\*\*\*\* AQUATIC POPULATIONS \*\*\*\*\*

1969 NICHOLS M, NORTON W  
FORAMINIFERAL POPULATIONS IN A COASTAL PLAIN ESTUARY  
PALAEOGEOGRAPHY, PALAEOCLIMATOL, PALAEOECOL 6, 197-213

AQUATIC POPULATIONS, BENTHIC FAUNA, FORAMINIFERA, JAMES RIVER, SALINITY

\*\*\*\*\* AQUIFER CHARACTERISTICS \*\*\*\*\*

1939 CEDERSTROM DJ  
GEOLOGY AND ARTESIAN-WATER RESOURCES OF A PART OF THE SOUTHERN VIRGINIA COASTAL PLAIN  
VA GEOL SURV BULL 51-E

AQUIFER CHARACTERISTICS, AQUIFERS, ARTESIAN WELLS, ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, JAMES RIVER, VIRGINIA

1937 FOSTER MD  
CHEMICAL CHARACTER OF THE GROUND WATERS OF THE SOUTH ATLANTIC COASTAL PLAIN  
WASH ACAD SCIENCES J 27, 405-412

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS, GROUNDWATER, WATER WELLS

1941 CEDERSTROM DJ  
GROUND-WATER RESOURCES OF THE SOUTHEASTERN VIRGINIA COASTAL PLAIN  
VA GEOL SURVEY CIRCULAR 1

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, GROUNDWATER, VIRGINIA

1943 CEDERSTROM DJ  
CHLORIDE IN GROUND WATER OF THE COASTAL PLAIN OF VIRGINIA  
VA GEOL SURVEY BULL 58

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, CHLORIDES, GROUNDWATER, VIRGINIA

1945 CEDERSTROM DJ  
GEOLOGY AND GROUND-WATER RESOURCES OF THE COASTAL PLAIN IN SOUTHEASTERN VIRGINIA  
VA GEOL SURVEY BULL 63

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, GROUNDWATER, HYDROGEOLOGY, VIRGINIA, WATER WELLS

1946 CEDERSTROM DJ  
GENESIS OF GROUND WATERS IN THE COASTAL PLAIN OF VIRGINIA  
ECONOMIC GEOLOGY 41, 218-245

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS, GEOCHEMISTRY, GROUNDWATER, VIRGINIA

1950 SINNOTT A, WHETSTONE GW  
OCCURRENCE OF FLUORIDE IN THE GROUND WATERS OF THE VIRGINIA COASTAL PLAIN  
AMER CHEM SOC VA SECT BULL 28, 45-50

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, FLUORIDES, GROUNDWATER, VIRGINIA

1962 SINNOTT A, WHETSTONE GW  
FLUORIDE IN WELL WATERS OF THE VIRGINIA COASTAL PLAIN  
VA MINERALS 8(1), 4-11

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, FLUORIDES, GROUNDWATER, VIRGINIA, WATER WELLS

## \*\*\*\*\* AQUIFERS

1939 CEDERSTROM DJ  
GEOLOGY AND ARTESIAN-WATER RESOURCES OF A PART OF THE SOUTHERN VIRGINIA  
COASTAL PLAIN  
VA GEOL SURV BULL 51-E

AQUIFER CHARACTERISTICS, AQUIFERS, ARTESIAN WELLS, ATLANTIC COASTAL  
PLAIN, GEOLOGIC FORMATIONS, JAMES RIVER, VIRGINIA

## \*\*\*\*\* ARSENIC COMPOUNDS

1971 VIRGINIA DEPARTMENT OF AGRICULTURE AND COMMERCE  
RULES AND REGULATIONS FOR ENFORCEMENT OF THE VIRGINIA PESTICIDE LAW  
DIVISION OF REGULATORY SERVICES, RICHMOND, VA.

ANIMAL CONTROL, ARSENIC COMPOUNDS, AVICIDES, BRUSH CONTROL, CHLORINATED  
HYDROCARBON PESTICIDESDOT, DIELDRIN, LEGAL ASPECTS, PESTICIDES, VIRGINIA

## \*\*\*\*\* ARTESIAN WELLS

1939 CEDERSTROM DJ  
GEOLOGY AND ARTESIAN-WATER RESOURCES OF A PART OF THE SOUTHERN VIRGINIA  
COASTAL PLAIN  
VA GEOL SURV BULL 51-E

AQUIFER CHARACTERISTICS, AQUIFERS, ARTESIAN WELLS, ATLANTIC COASTAL  
PLAIN, GEOLOGIC FORMATIONS, JAMES RIVER, VIRGINIA

## \*\*\*\*\* ATLANTIC COASTAL PLAIN

1891 DARTON NH  
MESOZOIC AND CENOZOIC FORMATIONS OF EASTERN VIRGINIA AND MARYLAND  
GEOL SOC AMER BULL 2, 431-450

ATLANTIC COASTAL PLAIN, CENOZOIC ERA, GEOLOGIC FORMATIONS, MARYLAND,  
MESOZOIC ERA, VIRGINIA

1894 DARTON NH  
OUTLINE OF CENOZOIC HISTORY OF A PORTION OF THE MIDDLE ATLANTIC SLOPE  
J GEOL 2, 568-587

ATLANTIC COASTAL PLAIN, CENOZOIC ERA, GEOLOGIC FORMATIONS, MARYLAND,  
VIRGINIA

1895 WARD LF  
THE POTOMAC FORMATION  
US GEOL SURV 15TH ANN REPT, 313-397

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, PALEONTOLOGY, PLANTS, SULFUR  
BACTERIA

1912 CLARK WB, MILLER BL  
PHYSIOGRAPHY AND GEOLOGY OF THE COASTAL PLAIN PROVINCE OF VIRGINIA...  
VA GEOL SURVEY BULL 4

ATLANTIC COASTAL PLAIN, EARTH MATERIALS, GEOLOGIC FORMATIONS, GEOLOGY,  
GEOMORPHOLOGY, MINERAL INDUSTRY, PALEONTOLOGY, SEDIMENTARY PETROLOGY,  
VIRGINIA

1913 SANFORD S  
UNDERGROUND WATER RESOURCES OF THE COASTAL PLAIN PROVINCE OF VIRGINIA  
VA GEOL SURVEY BULL 5

ATLANTIC COASTAL PLAIN, GROUNDWATER, TANGIBLE COSTS, VIRGINIA, WATER  
WELLS

1928 MANSFIELD WC  
NEW FOSSIL MOLLUSKS FROM THE MIOCENE OF VIRGINIA AND NORTH CAROLINA, WITH  
A BRIEF OUTLINE OF THE DIVISIONS OF THE CHESAPEAKE GROUP  
US NATL MUSEUM PROC 74, ARTICLE 14

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, MIOCENE EPOCH, MOLLUSKS,  
NORTH CAROLINA, PALEONTOLOGY, SULFUR BACTERIA, VIRGINIA

1930 WENTWORTH CK  
SAND AND GRAVEL RESOURCES OF THE COASTAL PLAIN OF VIRGINIA  
VA GEOL SURVEY BULL 32

ATLANTIC COASTAL PLAIN, GRAVELS, SANDS, SULFUR BACTERIA, VIRGINIA

1937 EWING M ET AL  
GEOPHYSICAL INVESTIGATIONS IN THE EMERGED AND SUBMERGED ATLANTIC COASTAL  
PLAIN. PT 1-METHOD AND RESULTS  
GEOL SOC AMER BULL 48, 753-802

ATLANTIC COASTAL PLAIN, GEOPHYSICS, JAMES RIVER, SEISMIC STUDIES,  
TAILWATER

1939 CEDERSTROM DJ  
GEOLOGY AND ARTESIAN-WATER RESOURCES OF A PART OF THE SOUTHERN VIRGINIA  
COASTAL PLAIN  
VA GEOL SURV BULL 51-E

AQUIFER CHARACTERISTICS, AQUIFERS, ARTESIAN WELLS, ATLANTIC COASTAL  
PLAIN, GEOLOGIC FORMATIONS, JAMES RIVER, VIRGINIA

1937 MANSFIELD WC  
SOME DEEP WELLS NEAR THE ATLANTIC COAST IN VIRGINIA AND THE CAROLINAS  
US GEOL SURVEY PROF PAPER 186-I

ATLANTIC COASTAL PLAIN, DEEP-WELLS, JAMES RIVER, NORTH CAROLINA,  
STERILITY, SULFUR BACTERIA

1939 BROWN WR  
COASTAL PLAIN GEOLOGY OF THE RICHMOND AREA, VIRGINIA  
UNIV OF VA MASTERS THESIS

ATLANTIC COASTAL PLAIN, CHICKAHOMINY RIVER, ECONOMICS, GEOLOGIC  
FORMATIONS, JAMES RIVER, PAMUNKEY RIVER, SULFUR BACTERIA, BINDERS

1937 FOSTER MD  
CHEMICAL CHARACTER OF THE GROUND WATERS OF THE SOUTH ATLANTIC COASTAL  
PLAIN  
WASH ACAD SCIENCES J 27, 405-412

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS,  
GROUNDWATER, WATER WELLS

1940 HECK NH  
EARTHQUAKE PROBLEMS OF THE ATLANTIC COASTAL PLAIN  
SEISMOLOGICAL SOC AMER BULL 30, 109-113

ATLANTIC COASTAL PLAIN, EARTHQUAKES

1941 CEDERSTROM DJ  
GROUND-WATER RESOURCES OF THE SOUTHEASTERN VIRGINIA COASTAL PLAIN  
VA GEOL SURVEY CIRCULAR 1

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, GROUNDWATER, VIRGINIA

1942 FLINT RF  
ATLANTIC COASTAL 'TERRACES'  
WASH ACAD SCIENCES J 32, 235-237

ATLANTIC COASTAL PLAIN, JAMES RIVER, PLEISTOCENE EPOCH, SHEET EROSION

1943 CEDERSTROM DJ  
CHLORIDE IN GROUND WATER OF THE COASTAL PLAIN OF VIRGINIA  
VA GEOL SURVEY BULL 58

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, CHLORIDES, GROUNDWATER,  
VIRGINIA

1945 CEDERSTROM DJ  
GEOLOGY AND GROUND-WATER RESOURCES OF THE COASTAL PLAIN IN SOUTHEASTERN  
VIRGINIA  
VA GEOL SURVEY BULL 63

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, GROUNDWATER,  
HYDROGEOLOGY, VIRGINIA, WATER WELLS

1946 CEDERSTROM DJ  
CHEMICAL CHARACTER OF GROUND WATER IN THE COASTAL PLAIN OF VIRGINIA  
VA GEOL SURV BULL 68

ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS, GEOCHEMISTRY, GROUNDWATER,  
VIRGINIA

1946 CEDERSTROM DJ  
GENESIS OF GROUND WATERS IN THE COASTAL PLAIN OF VIRGINIA  
ECONOMIC GEOLOGY 41, 218-245

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS,  
GEOCHEMISTRY, GROUNDWATER, VIRGINIA

1950 SINNOTT A, WHETSTONE GW  
OCCURRENCE OF FLUORIDE IN THE GROUND WATERS OF THE VIRGINIA COASTAL PLAIN  
AMER CHEM SOC VA SECT BULL 28, 45-50

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, FLUORIDES, GROUNDWATER,  
VIRGINIA

1953 MALKIN DS  
BIOSTRATIGRAPHIC STUDY OF MIOCENE OSTRACODA OF NEW JERSEY, MARYLAND, AND  
VIRGINIA  
J PALEONTOLOGY 27, 761-799

ATLANTIC COASTAL PLAIN, MIOCENE EPOCH, OSTRACODS, PALEONTOLOGY, SULFUR  
BACTERIA

1960 CONNELL JFL  
CATALOG OF TYPE LOCALITIES OF COASTAL PLAIN STRATIGRAPHIC UNITS  
SOUTHEASTERN GEOL 2, 49-126

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, GULF COASTAL PLAIN, SULFUR  
BACTERIA

1962 GIBSON TG  
BENTHONIC FORAMINIFERA AND PALEOECOLOGY OF THE MIOCENE DEPOSITS OF THE  
MIDDLE ATLANTIC COASTAL PLAIN  
PRINCETON DISSERTATION

ATLANTIC COASTAL PLAIN, FORAMINIFERA, MIOCENE EPOCH, PALEONTOLOGY, SULFUR  
BACTERIA

1962 SINNOTT A, WHETSTONE GW  
FLUORIDE IN WELL WATERS OF THE VIRGINIA COASTAL PLAIN  
VA MINERALS 8(1), 4-11

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, FLUORIDES, GROUNDWATER,  
VIRGINIA, WATER WELLS

1962 RUHLE JL  
GUIDEBOOK TO THE COASTAL PLAIN OF VIRGINIA NORTH OF THE JAMES RIVER  
VA DIV MINERAL RESOURCES INFORMATION CIRCULAR 6

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, GEOLOGY, GEOMORPHOLOGY,  
JAMES RIVER, SULFUR BACTERIA, VIRGINIA

1962 RUHLE JL  
SELECTED TERTIARY FOSSIL LOCALITIES OF THE VIRGINIA COASTAL PLAIN  
VA MINERALS 8(3), 2-9

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, PALEONTOLOGY, SHELLFISH,  
VIRGINIA

1962 CONNELL JFL  
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USE OF FLUORESCENT PARTICLES TO TRACE OYSTER BIODEPOSITS IN MARINE  
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\*\*\*\*\* BLUEBACK HERRING

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FISHES OF CHESAPEAKE BAY  
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DISTRIBUTION, FISH TAXONOMY, HERRINGS

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ALEWIVES, BLUEBACK HERRING, DISTRIBUTION, POTOMAC RIVER, SAMPLING

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BOREHOLE GEOPHYSICS, CHESAPEAKE BAY, ELIZABETH RIVER, JAMES RIVER,  
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BORON, CHEMICAL ANALYSIS, ESTUARIES, RAPPAHANNOCK RIVER, SALINITY,  
SEDIMENTS

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BOUNDARIES (PROPERTY), LEGAL ASPECTS, VIRGINIA, SLUDGE

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BRACKISH WATER, FUNGI, MARINE FUNGI, YORK RIVER

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DISTRIBUTION OF RECENT OSTRACODA IN THE RAPPAHANNOCK ESTUARY, VIRGINIA  
CHES SCI 7, 203-207 (VIMS CONTR 236)

BRACKISH WATER, NUTRIENTS, OSTRACODS, RAPPAHANNOCK RIVER, SALINITY, WATER  
CIRCULATION

## \*\*\*\*\* BRACKISH-WATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 210-216

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 192-197

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, MULLET

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 164-178

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FLATFISH, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 178-187

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SUBSIDENCE

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 187-192

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SOIL CEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 152-154

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 134-145

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
KILLIFISHES

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 145-147

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 147-151

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 127-129

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 108-111

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 77-78

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FRESHWATER FISH, GARS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 78-80

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 244-247

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, STREAM IMPROVEMENT, WHITE PERCH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 250-253

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SEA BASSES

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-276

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, STREAMBEDS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 283-287

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, CROAKER, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 296-299

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, STREAMFLOW FORECASTING

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 300-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, GREY SEA TROUT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 312-316

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 329-353

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

\*\*\*\*\* BREEDING

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CHES SCI 4, 21-29 (CONTR 225, NAT RES INST, MD UNIV)

BENTHIC FAUNA, BREEDING, CHESAPEAKE BAY, MARINE FISH, REPRODUCTION

\*\*\*\*\* BRIDGE CONSTRUCTION

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BRIDGE CONSTRUCTION, JAMES RIVER, SEDIMENTS, TUNNEL CONSTRUCTION

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DREDGING OF FILL FOR HAMPTON ROADS BRIDGE-TUNNEL  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMM., 28APR

BRIDGE CONSTRUCTION, CHESAPEAKE BAY, DREDGING, JAMES RIVER, LANDFILLS

\*\*\*\*\* BRIDGES

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BRIDGES, VIRGINIA, SCYPHOZOA

1970  
STATE REVENUE BOND ACT (FINANCING TOLL FACILITIES)  
VA CODE, 1950, 33.1-268 TO 33.1-295

BRIDGES, JAMES RIVER, LEGAL ASPECTS, RAPPAHANNOCK RIVER, YORK RIVER

\*\*\*\*\* BRUSH CONTROL \*\*\*\*\*

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RULES AND REGULATIONS FOR ENFORCEMENT OF THE VIRGINIA PESTICIDE LAW  
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HYDROCARBON PESTICIDES, DIELDRIN, LEGAL ASPECTS, PESTICIDES, VIRGINIA

\*\*\*\*\* BULKHEAD LINE \*\*\*\*\*

1876  
NORFOLK CITY V COOKE  
68 VA (27 GRATT) 430

BEDS UNDER WATER, BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, RIPARIAN  
RIGHTS

1899  
WAVERLY WATER-FRONT AND IMPROVEMENT CO V WHITE ET AL  
33 SE 534, 97 VA 376

BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS, SOCIAL  
VALUES

1912  
LAMBERTS POINT CO V NORFOLK AND W. RY CO  
74 SE 156, 113 VA 270

BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, RIPARIAN  
RIGHTS, SOCIAL VALUES

1969 VIRGINIA MARINE RESOURCES COMMISSION  
CITY OF NORFOLK LANDFILL, LAMBERTS POINT  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMM., 28JAN, 25FEB, 25MAR,  
23SEPT

BULKHEAD LINE, ELIZABETH RIVER, JAMES RIVER, LANDFILLS, RIPARIAN RIGHTS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
FILLING BEHIND BULKHEAD LINE IN ELIZABETH RIVER  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION-- 28APR, 27 OCT

BULKHEAD LINE, ELIZABETH RIVER, JAMES RIVER, LANDFILLS, RIPARIAN RIGHTS

\*\*\*\*\* BUOYS \*\*\*\*\*

1966 SHAW WN, MERRILL AS  
SETTING AND GROWTH OF THE AMERICAN OYSTER, CRASSOSTREA VIRGINICA, ON  
NAVIGATION BUOYS IN THE LOWER CHESAPEAKE BAY  
NATL SHELLFISHERIES ASSOC PROC 56, 67-72

BUOYS, CHESAPEAKE BAY, GROWTH RATES, OYSTERS

\*\*\*\*\* CANALS \*\*\*\*\*

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REPORT OF THE PRINCIPAL ENGINEER OF THE BOARD OF PUBLIC WORKS, ON THE  
SUBJECT OF THE SURVEY OF JAMES AND KANAWHA RIVERS...  
RICHMOND, COLIN AND NOWLAN

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NAVIGATION, THERMAL RADIATION

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SUBMITTED TO THE COMMITTEE ON DOCK, RIVER AND HARBOR...CITY OF RICHMOND  
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CANALS, CHANNEL IMPROVEMENT, ECONOMIC FEASIBILITY, JAMES RIVER, NAVIGABLE  
RIVERS

1964  
POWER UNDER ACT FOR SALE BY JAMES RIVER AND KANAWHA CO  
VA CODE, 1950, 12-37

CANALS, JAMES RIVER, LEGAL ASPECTS, WATER RIGHTS

\*\*\*\*\* CARBOHYDRATES \*\*\*\*\*

1968 BIGGS RB, WETZEL CD  
CONCENTRATION OF PARTICULATE CARBOHYDRATE AT THEHALOCLINE IN CHESAPEAKE  
BAY  
IMNOLOGY AND OCEANOGRAPHY 13(1) 169-170

CARBOHYDRATES, CHESAPEAKE BAY, CHLOROPHYLL, PIGMENTS, SALINITY, THERMAL  
SPRINGS

1968 BIGGS RB, WETZEL CD  
CONCENTRATION OF PARTICULATE CARBOHYDRATE AT THEHALOCLINE IN CHESAPEAKE  
BAY  
IMNOLOGY AND OCEANOGRAPHY 13(1), 169-170

CARBOHYDRATES, CHESAPEAKE BAY, CHLOROPHYLL, PIGMENTS, SALINITY, THERMAL  
SPRINGS



1972 LYNCH MP  
VARIATIONS IN SOME SERUM CONSTITUENTS OF THE BLUE CRAB CALLINECTES  
SAPIDUS  
VIMS DISSERTATION

AMINO ACIDS, BIOCHEMISTRY, BIOINDICATORS, CARBOHYDRATES, CHLORIDES,  
CRABS, OSMOTIC PRESSURE, PROTEINS

\*\*\*\*\* CARP

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 120-127

CARP, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

\*\*\*\*\* CATCH

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1910 MOORE HF  
CONDITION AND EXTENT OF THE OYSTER BEDS OF JAMES RIVER, VIRGINIA  
US BUR FISHERIES DOC 729

BEDS UNDER WATER, CATCH, JAMES RIVER, OYSTER INDUSTRY

1949 MARSHALL N  
A SUMMARY STATEMENT OF THE STATUS OF OUR KNOWLEDGE OF THE MARINE  
FISHERIES OF VIRGINIA  
VIMS SPEC SCIENTIFIC REPT 4

BASS, CATCH, CHESAPEAKE BAY, CRABS, FISH POPULATIONS, OYSTERS, STREAM  
IMPROVEMENT

1950 MARSHALL N  
MARINE FISHES AND INVERTEBRATES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
139-150

ANADROMOUS FISH, CATCH, DRAINAGE SYSTEMS, FISH TAXONOMY, JAMES RIVER,  
OYSTERS, RIVER BASINS

1950 VAN ENGEL WA  
RECORDS OF THE CHESAPEAKE BAY BLUE CRAB FISHERY  
VIMS SPEC SCIENTIFIC REPT 5

CATCH, CHESAPEAKE BAY, CRABS

1960 UNITED STATES NATIONAL MARINE FISHERIES SERVICE  
VIRGINIA LANDINGS  
(MONTHLY RELEASE)

CATCH, CHESAPEAKE BAY, COMMERCIAL FISH, MARKET VALUE, SOCIAL ASPECTS,  
VIRGINIA

1965 RICHARDS CE  
AVAILABILITY PATTERNS OF MARINE FISHES CAUGHT BY CHARTER BOATS OPERATING  
OFF VIRGINIA'S EASTERN SHORE, 1955-1962  
CHES SCI 6, 96-108 (VIMS CONTR 184)

CATCH, EASTERN SHORE (VA-MD), STREAM STABILIZATION

1968 MCHUGH JL  
FISHERIES OF CHESAPEAKE BAY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 135-160

CATCH, CHESAPEAKE BAY, COMMERCIAL FISHING, FISHERIES, STREAM IMPROVEMENT

1968 GRANT GC, JOSEPH EB  
COMPARATIVE STRENGTH OF THE 1966 YEAR CLASS OF STRIPED BASS...IN THREE  
VIRGINIA RIVERS  
VIMS CONTR 290

CATCH, JAMES RIVER, RAPPAHANNOCK RIVER, SURFACE TENSION, YORK RIVER

1970 GRANT GC ET AL  
AGE COMPOSITION AND MAGNITUDE OF STRIPED BASS WINTER GILL-NET CATCHES IN  
THE RAPPAHANNOCK RIVER, 1967-1970  
SE ASSOC GAME FISH COMM, 24TH CONF PROC, 659-667 (VIMS CONTR 399)

CATCH, COMMERCIAL FISHING, RAPPAHANNOCK RIVER, SURFACE TENSION

\*\*\*\*\* CATFISHES

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 129-130

CATFISHES, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1943 MENZEL RW  
NOTES ON THE BIOLOGY AND COMMERCIAL FISHERY OF THE CATFISH OF THE JAMES  
RIVER, VIRGINIA  
VIMS THESIS

CATFISHES, COMMERCIAL FISHING, FRESHWATER FISH, JAMES RIVER

1943 MENZEL RW  
THE CATFISH FISHERY OF VIRGINIA  
AMER FISHERIES SOC TRANS 73, 364-372 (VIMS CONTR 23)

CATFISHES, COMMERCIAL FISHING, FINFISH INDUSTRY, FRESHWATER FISH, JAMES  
RIVER, POTOMAC RIVER

## \*\*\*\*\* CENOZOIC ERA

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1891 DARTON NH  
MESOZOIC AND CENOZOIC FORMATIONS OF EASTERN VIRGINIA AND MARYLAND  
GEOL SOC AMER BULL 2, 431-450

ATLANTIC COASTAL PLAIN, CENOZOIC ERA, GEOLOGIC FORMATIONS, MARYLAND,  
MESOZOIC ERA, VIRGINIA

1894 DARTON NH  
OUTLINE OF CENOZOIC HISTORY OF A PORTION OF THE MIDDLE ATLANTIC SLOPE  
J GEOL 2, 568-587

ATLANTIC COASTAL PLAIN, CENOZOIC ERA, GEOLOGIC FORMATIONS, MARYLAND,  
VIRGINIA

## \*\*\*\*\* CENSUS

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1971 BIOSPHERICS INCORPORATED  
STUDY OF THE POSSIBLE ROLE OF POLLUTION IN THE PREVALENCE OF SEA NETTLES  
IN THE CHESAPEAKE BAY...  
BIOSPHERICS INC, ROCKVILLE, MARYLAND

CENSUS, METABOLISM, POLLUTANTS, REMOTE SENSING, SEA NETTLES

1971 BIOSPHERICS INCORPORATED  
STUDY OF THE POSSIBLE ROLE OF POLLUTION IN THE PREVALENCE OF SEA NETTLES  
IN THE CHESAPEAKE BAY...  
BIOSPHERICS INC, ROCKVILLE, MARYLAND

CENSUS, METABOLISM, POLLUTANTS, REMOTE SENSING, SEA NETTLES

## \*\*\*\*\* CHANNEL IMPROVEMENT

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1886 RICHMOND CHAMBER OF COMMERCE  
JAMES RIVER FROM THE HEAD OF TIDE TO HAMPTON ROADS AS A NATIONAL WATERWAY  
RICHMOND, BY THE CHAMBER OF COMMERCE

CHANNEL IMPROVEMENT, ECONOMIC FEASIBILITY, JAMES RIVER, NAVIGABLE RIVERS,  
WATER RESOURCES DEVELOPMENT

1924 TECHNICAL ADVISORY CORPORATION  
REPORT OF INVESTIGATION WITH REFERENCE TO IMPROVING THE JAMES RIVER.  
SUBMITTED TO THE COMMITTEE ON DOCK, RIVER AND HARBOR...CITY OF RICHMOND  
NEW YORK, TECHN ADVIS CORP REPORT

CANALS, CHANNEL IMPROVEMENT, ECONOMIC FEASIBILITY, JAMES RIVER, NAVIGABLE  
RIVERS

1925 VIRGINIA DEPARTMENT OF PUBLIC WORKS  
PRELIMINARY SURVEY OF THE JAMES RIVER HARBOR  
RICHMOND, BY THE DEPT

CHANNEL IMPROVEMENT, ECONOMIC FEASIBILITY, HARBORS, JAMES RIVER

1939 BOWERS GM  
TRANSPORTATION ON THE JAMES RIVER  
MARINE NEWS 26, 40-43, 51

CHANNEL IMPROVEMENT, JAMES RIVER, NAVIGABLE RIVERS

1939 BOWERS GM  
JAMES RIVER IMPROVEMENT PROJECT  
MARINE NEWS 26, 35-36

CHANNEL IMPROVEMENT, ECONOMIC FEASIBILITY, JAMES RIVER

1930 UNITED STATES CONGRESS  
JAMES RIVER, VA  
71ST CONG, 2D SESS HOUSE DOC 314 (INCLUDES 8 MAPS)

CHANNEL IMPROVEMENT, JAMES RIVER, RIVER BASIN DEVELOPMENT, THERMAL  
RADIATION

1957 UNITED STATES FISH AND WILDLIFE SERVICE. OFFICE OF RIVER BASIN  
STUDIES REGION 4  
PRELIMINARY REPORT ON THE CONSIDERED NAVIGATION CHANNEL IMPROVEMENTS,  
JAMES RIVER VA, IN RELATION TO FISH AND WILDLIFE RESOURCES

CHANNEL IMPROVEMENT, ECOLOGICAL IMPACT, JAMES RIVER, WILDLIFE  
CONSERVATION

1962 UNITED STATES ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT  
REVIEW REPORT ON JAMES RIVER, VIRGINIA  
(2 VOLS) NORFOLK, CORPS OF ENGINEERS REPORT

CHANNEL IMPROVEMENT, COST ALLOCATION, ESTIMATED COSTS, JAMES RIVER,  
NAVIGABLE RIVERS, PROJECT FEASIBILITY

1963 VIRGINIA COMMISSION TO STUDY MATTERS PERTAINING TO THE JAMES RIVER  
DEEPENING THE JAMES RIVER CHANNEL. REPORT...TO THE GOVERNOR AND GENERAL  
ASSEMBLY OF VIRGINIA  
RICHMOND, BY THE COMMONWEALTH

CHANNEL IMPROVEMENT, DREDGING, JAMES RIVER

1966 HARGIS WJ, JR  
FINAL REPORT ON RESULTS OF OPERATION JAMES RIVER  
VIMS SPEC REPT IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING 7

CHANNEL IMPROVEMENT, ECOLOGICAL IMPACT, FUTURE PLANNING (PROJECTED),  
HYDRAULIC MODELS, JAMES RIVER, OYSTER INDUSTRY, WATER RESOURCES  
DEVELOPMENT

1969  
AUTHORITY OF GOVERNOR TO AUTHORIZE DREDGING OF CHANNEL IN NAVIGABLE  
WATERS-SPECIAL PROVISIONS APPLICABLE TO JAMES RIVER BETWEEN JAMES RIVER  
BRIDGE AND JAMESTOWN ISLAND  
VA CODE, 1950, 28.1-147

CHANNEL IMPROVEMENT, DREDGING, JAMES RIVER, LEGAL ASPECTS

1970 UNITED STATES ARMY  
REVIEW OF REPORTS ON YORK AND PAMUNKEY RIVERS, VIRGINIA  
NORFOLK DISTRICT CORPS OF ENGINEERS

ADMINISTRATIVE DECISIONS, CHANNEL IMPROVEMENT, COST-BENEFIT ANALYSIS,  
NAVIGABLE RIVERS, PAMUNKEY RIVER, YORK RIVER

\*\*\*\*\* CHARTS

1971 NATIONAL OCEAN SURVEY  
JAMES RIVER-NEWPORT NEWS TO JAMESTOWN ISLAND  
CHART NO. 529

CHARTS, JAMES RIVER

1971 NATIONAL OCEAN SURVEY  
JAMES RIVER-JAMESTOWN ISLAND TO RICHMOND  
CHART NO. 530 AND 531

CHARTS, JAMES RIVER

\*\*\*\*\* CHEMICAL ANALYSIS

1932 COLLINS WD ET AL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA  
VA DIVISION OF WATER RESOURCES AND POWER BULL 3

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER UTILIZATION

1930 COLLINS WD ET AL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA-PRELIM REPT  
VA DIV OF WATER RESOURCES AND POWER BULL 2

CHEMICAL ANALYSIS, JAMES RIVER, SEDIMENT LOAD, THERMAL CONDUCTIVITY,  
VIRGINIA

1937 FOSTER MD  
CHEMICAL CHARACTER OF THE GROUND WATERS OF THE SOUTH ATLANTIC COASTAL  
PLAIN  
WASH ACAD SCIENCES J 27, 405-412

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS,  
GROUNDWATER, WATER WELLS

1946 CEDERSTROM DJ  
CHEMICAL CHARACTER OF GROUND WATER IN THE COASTAL PLAIN OF VIRGINIA  
VA GEOL SURV BULL 68

ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS, GEOCHEMISTRY, GROUNDWATER,  
VIRGINIA

1946 CEDERSTROM DJ  
GENESIS OF GROUND WATERS IN THE COASTAL PLAIN OF VIRGINIA  
ECONOMIC GEOLOGY 41, 218-245

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS,  
GEOCHEMISTRY, GROUNDWATER, VIRGINIA

1947 LAMAR WL, WHETSTONE GW  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1945-1946  
VA DIVISION OF WATER RESOURCES AND POWER BULL 8

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1948 RICH LG  
INVESTIGATION OF THE PHYSICAL, CHEMICAL, AND BIOLOGICAL ASPECTS OF STREAM  
POLLUTION IN THE JAMES RIVER AT BIG ISLAND, VA  
VPI THESIS

BENTHOS, CHEMICAL ANALYSIS, JAMES RIVER, PLANKTON, PULP WASTES, WATER  
POLLUTION

1951 PRITCHARD DW  
DATA REPORT, OPERATION OYSTER SPAT 1 AND 2  
CHES BAY INST DATA REPT 7

CHEMICAL ANALYSIS, CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, WATER  
TEMPERATURE

1952 WHETSTONE GW, MCAVOY RL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1946-1948  
VA DIVISION OF WATER RESOURCES BULL 11

CHEMICAL ANALYSIS, DISCHARGE (WATER), JAMES RIVER, SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 CONNOR JG, SCHROEDER ME  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1948-1951  
VA DIVISION OF WATER RESOURCES BULL 20

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 KAPUSTKA SF  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1954-1956  
VA DIVISION OF WATER RESOURCES BULL 22

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 SCHROEDER ME, KAPUSTKA SF  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1951-1954  
VA DIVISION OF WATER RESOURCES BULL 21

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1960 VIRGINIA DIV OF WATER RESOURCES  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA AUG 1958-FEB 1960  
VA DIV WATER RESOURCES BULL 23

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1960 O'CONNOR DJ  
OXYGEN BALANCE OF AN ESTUARY--DELAWARE AND JAMES RIVERS  
AMER SOC CIVIL ENGRS PROC 86(SA3), 35-55

CHEMICAL ANALYSIS, DELAWARE RIVER, JAMES RIVER, OXYGEN

1962 PATTEN BC  
SYNOPTIC COMPARISON OF SESTON LOADS IN THE RAPPAHANNOCK, YORK AND JAMES  
RIVERS  
(VIMS MS)

CHEMICAL ANALYSIS, JAMES RIVER, RAPPAHANNOCK RIVER, SESTON, YORK RIVER

1962 YOUNG DK  
CHEMISTRY OF CHESAPEAKE BAY SEDIMENTS  
VIMS THESIS

CHEMICAL ANALYSIS, CHESAPEAKE BAY, GEOCHEMISTRY, SEDIMENTARY PETROLOGY,  
SEDIMENTATION RATES

1964 VIRGINIA INSTITUTE OF MARINE SCIENCE  
JAMES RIVER MODEL DATA  
(VIMS MS)

CHEMICAL ANALYSIS, CURRENTS (WATER), DATA COLLECTIONS, HYDROGRAPHY, JAMES  
RIVER, SALINITY, WATER TEMPERATURE, WEATHER DATA

1965 FARRAGUT RN  
PROXIMATE COMPOSITION OF CHESAPEAKE BAY BLUE CRAB (CALLINECTES SAPIDUS)  
JOURNAL OF FOOD SCIENCE 30, 538-544

CHEMICAL ANALYSIS, CRABS, VIRGINIA, BIOCHEMISTRY

1966 BREHMER ML, HALTIWANGER SO  
BIOLOGICAL AND CHEMICAL STUDY OF THE TIDAL JAMES RIVER  
VIMS SPEC REPT IN APPLIED MARINE SCIENCE AND OCEAN ENG 6

CHEMICAL ANALYSIS, CHLOROPHYLL, HYDROGRAPHY, JAMES RIVER, NUTRIENTS

1966 BACK W  
HYDROCHEMICAL FACIES AND GROUND-WATER FLOW PATTERNS IN NORTHERN PART OF  
ATLANTIC COASTAL PLAIN  
US GEOL SURV PROF PAPER 498-A

ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS, GEOCHEMISTRY, GROUNDWATER  
MOVEMENT, HYDROGEOLOGY, HYDROLOGIC DATA

1966 THOMPSON MH, FARRAGUT RN  
AMINO ACID COMPOSITION OF THE CHESAPEAKE BAY BLUE CRAB CALLINECTES  
SAPIDUS  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY 17, 1065-1078

AMINO ACIDS, CHEMICAL ANALYSIS, CRABS, VIRGINIA, BIOCHEMISTRY

1967 BREHMER ML  
NUTRIENT ASSIMILATION IN A VIRGINIA TIDAL SYSTEM  
NATL SYMP ESTUARINE POLLUTION PROC 1967, STANFORD, CALIF

CHEMICAL ANALYSIS, CHLOROPHYLL, HYDROLOGIC DATA, JAMES RIVER, NUTRIENTS,  
PLANKTON, SALINITY

1968 MONCURE R, NICHOLS M  
CHARACTERISTICS OF SEDIMENTS IN THE JAMES RIVER ESTUARY, VIRGINIA  
VIMS SPEC SCI REPT 53

CHEMICAL ANALYSIS, HYDROLOGIC PROPERTIES, JAMES RIVER, SEDIMENTS

1968 MARKS JW, VILLA O, JR  
NUTRIENT DATA ON SEDIMENT SAMPLES OF THE POTOMAC ESTUARY  
CHES TECH SUPPORT LAB DATA REPORT 11

BOTTOM SEDIMENTS, CHEMICAL ANALYSIS, NUTRIENTS, POTOMAC RIVER, SAMPLING

1968 BOON JD III, MACINTYRE WG  
THE BORON-SALINITY RELATIONSHIP IN ESTUARINE SEDIMENTS OF THE  
RAPPAHANNOCK RIVER, VIRGINIA  
CHES SCI 9, 21-26 (VIMS CONTR 265)

BORON, CHEMICAL ANALYSIS, ESTUARIES, RAPPAHANNOCK RIVER, SALINITY,  
SEDIMENTS

1970 BREHMER ML  
BIOLOGICAL AND CHEMICAL STUDY OF VIRGINIA'S ESTUARIES  
(VIMS MS)

BIOLOGICAL COMMUNITIES, CHEMICAL ANALYSIS, HYDROLOGIC DATA, JAMES RIVER,  
RAPPAHANNOCK RIVER, RIVER SYSTEMS, YORK RIVER

1970 VIRGINIA DIVISION OF WATER RESOURCES  
JAMES RIVER BASIN COMPREHENSIVE WATER RESOURCES PLAN. VOL 3-HYDROLOGIC  
ANALYSIS  
RICHMOND (ITS PLANNING BULLETIN 215)

CHEMICAL ANALYSIS, DRAINAGE PATTERNS (GEOLOGIC), GROUNDWATER, HYDROLOGIC  
DATA, JAMES RIVER, METEOROLOGICAL DATA, SALINITY, WATER RESOURCES  
DEVELOPMENT

\*\*\*\*\* CHEMICALS \*\*\*\*\*

1967 SHAW WN, GRIFFITH GT  
EFFECTS OF POLYSTREAM AND DRILLEX ON OYSTER SETTING IN CHESAPEAKE BAY AND  
CHINCOTEAGUE BAY  
NATL SHELLFISHERIES ASSOC PROC, 57, 17-23

CHEMICALS, CHESAPEAKE BAY, OYSTERS, OYSTER SETTING

1969 CASTAGNA M ET AL  
TREATMENT OF SHELL CULTCH WITH POLYSTREAM TO INCREASE THE YIELD OF SEED  
OYSTERS, CRASSOSTREA VIRGINICA  
NATL SHELLFISH ASSOC PROC 59, 84-90 (VIMS CONTR 306)

CHEMICALS, CULTCH, OYSTER INDUSTRY

1969 CASTAGNA M ET AL  
TREATMENT OF SHELL CULTCH WITH POLYSTREAM TO INCREASE THE YIELD OF SEED  
OYSTERS, CRASSOSTREA VIRGINICA  
NATL SHELLFISH ASSOC PROC 59, 84-90 (VIMS CONTR 306)

CHEMICALS, CULTCH, OYSTER INDUSTRY, OYSTER SETTING, MARICULTURE

1971 MASSMANN WH  
THE SIGNIFICANCE OF AN ESTUARY ON THE BIOLOGY OF AQUATIC ORGANISMS OF THE  
MIDDLE ATLANTIC REGION  
SYMPOSIUM ON THE BIOLOGICAL SIGNIFICANCE OF ESTUARIES, SPORT FISHING INST.  
DOUGLAS PA, STROUD RH EDS 96-109

BIOLOGY, CHEMICALS, DREDGING, ESTUARIES, MARYLAND, VIRGINIA, WATER  
QUALITY, WILD RIVERS

\*\*\*\*\* CHEMISTRY \*\*\*\*\*

1950 SMITH JD  
ORGANIC CHEMISTRY  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
618-635

CHEMISTRY, EFFLUENTS, INDUSTRIAL PRODUCTION, JAMES RIVER, ORGANIC WASTES

\*\*\*\*\* CHESAPEAKE BAY \*\*\*\*\*

1854  
FRENCH V BANKHEAD  
52 VA (11 GRATT) 136

CHESAPEAKE BAY, JAMES RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS, SOCIAL  
VALUES

1924 EARLE S  
THE CHESAPEAKE BAY COUNTRY  
THOMSEN-ELLIS CO., BALTIMORE, MARYLAND

CHESAPEAKE BAY, EASTERN SHORE (VA-MD), HISTORY, MARYLAND, RIVERS,  
VIRGINIA

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 210-216

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 216-234

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 200-210

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 192-197

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, MULLET

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 197-199

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 199-200

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 164-178

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FLATFISH, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 178-187

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SUBSIDENCE

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 187-192

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SOIL CEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 151-152

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 152-154

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 134-145

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, KILLIFISHES

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 145-147

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 147-151

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 129-130

CATFISHES, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 130-131

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 132-134

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, PIKE, TROUT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 117-120

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TARIFF

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 120-127

CARP, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 127-129

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 102-105

ANADROMOUS FISH, ATLANTIC MENHADEN, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 108-111

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 85-89

ANADROMOUS FISH, BLUEBACK HERRING, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 89-93

ALEWIVES, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 93-100

AMERICAN SHAD, ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 77-78

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, GARS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 78-80

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 81-115

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 44-54

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SNOW COVER

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 55-72

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SOIL DENSITY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 72-77

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 8-32

CHESAPEAKE BAY, COMMERCIAL FISH, FISHERIES, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 42-43

AQUATIC ANIMALS, CHESAPEAKE BAY, DISTRIBUTION

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 43-44

ANADROMOUS FISH, CHESAPEAKE BAY, DISTRIBUTION, LAMPREYS, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 234-236

CHESAPEAKE BAY, COBIA, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 236-238

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 238-244

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TENSILE  
STRESS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 244-247

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, WHITE PERCH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 247-249

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, SURFACE TENSION

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 250-253

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SEA BASSES

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 253-268

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 261-265

CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SCUP

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269-271

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-276

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAMBEDS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 283-287

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, CROAKER,  
DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 296-299

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAMFLOW FORECASTING



1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 300-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, GREY SEA TROUT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 305-312

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 312-316

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 316-317

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 317-321

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 321-322

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 322-328

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 328-329

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 329-353

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 353-354

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
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CLAMS, FINANCING, CYSTERS, RESEARCH AND DEVELOPMENT

1970 DUPAUL WD, WEBB KL  
THE EFFECT OF TEMPERATURE ON SALINITY-INDUCED CHANGES IN THE FREE AMINO  
ACID POOL OF MYA ARENARIA  
COMP BIOCHEM PHYSIOL 32, 785-801 (VIMS CONTR 331)

AMINO ACIDS, BIOCHEMISTRY, CLAMS, SALINITY, SHALLOW WELLS

1971 CHANLEY P, CASTAGNA M  
LARVAL DEVELOPMENT OF THE STOUT RAZOR CLAM, TAGELUS PLEBEIUS SOLANDER  
(SOLECURTIDAE, BIVALVIA)  
CHES SCI 12, 167-172 (VIMS CONTR 380)

CLAMS, EASTERN SHORE (VA-MD), LARVAL GROWTH STAGE, VIRGINIA

1971 HARLESTON KR  
THE FEEDING OF CORNSTARCH TO CLAMS AND MUSSELS  
VIMS THESIS

CLAMS, GLYCOGEN, MUSSELS, NUTRITION, STARCH, GLYCOGEN

\*\*\*\*\* CLASSIFICATION

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1882 CLARKE SF  
NEW AND INTERESTING HYDROIDS FROM CHESAPEAKE BAY  
BOSTON SOC NAT HIST MEMOIRS 3(4), 135-142

BENTHIC FAUNA, CLASSIFICATION, INVERTEBRATES, JAMES RIVER, HYDROZOA

1939 FERNALD ML  
LAST SURVIVORS IN THE FLORA OF TIDEWATER VIRGINIA  
RHODORA 41, 465-574 (CONTR 128 GRAY HERBARIUM, HARVARD UNIVERSITY)

CLASSIFICATION, HISTORY, JAMES RIVER, PLANTS, VIRGINIA

1938 FERNALD ML  
NOTEWORTHY PLANTS OF SOUTHEASTERN VIRGINIA  
RHODORA 40, 364-485 (CONTR 123 GRAY HERBARIUM, HARVARD UNIVERSITY)

CLASSIFICATION, PLANTS, VIRGINIA

1949 FERGUSON EF, JONES ER  
A SURVEY OF THE SHORELINE FAUNA OF THE NORFOLK PENINSULA  
AMER MIDLAND NATURALIST 41, 436-446

BENTHIC FAUNA, CLASSIFICATION, INVERTEBRATES, JAMES RIVER

1950 BURCH PR  
MOLLUSKS  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
129-137

CLASSIFICATION, JAMES RIVER, MOLLUSKS

1950 CARROLL RP  
AMPHIBIA AND REPTILES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
195-211

AMPHIBIANS, CLASSIFICATION, FROGS, JAMES RIVER, REPTILES, SALAMANDERS,  
SOIL STERILANTS, TURTLES

1965 WASS ML  
CHECK LIST OF THE MARINE INVERTEBRATES OF VIRGINIA  
VIMS SPEC SCIENTIFIC REPT 24 (THIRD REV)

BENTHIC FAUNA, CLASSIFICATION, EASTERN SHORE (VA-MD), GASTROPODS,  
INVERTEBRATES, VIRGINIA

1968 CALDER DR  
HYDROZOA OF SOUTHERN CHESAPEAKE BAY  
(VIMS DISSERTATION)

BENTHIC FAUNA, CLASSIFICATION, HYDROZOA, INVERTEBRATES, JAMES RIVER,  
SEASONAL DISTRIBUTION

1968 TURGEON DD  
GUIDE TO ESTUARINE AND INSHORE BIVALVES OF VIRGINIA  
VIMS THESIS

CHESAPEAKE BAY, CLASSIFICATION, MOLLUSKS, THUNDERSTORMS, VIRGINIA

1971 ZHNER DE, LAWLER AR  
SOME PARASITES OF CHESAPEAKE BAY FAUNA  
VIMS MS

CHESAPEAKE BAY, CLASSIFICATION, PARASITISM

\*\*\*\*\* CLAYS

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1911 DARTON NH  
ECONOMIC GEOLOGY OF RICHMOND, VIRGINIA, AND VICINITY  
US GEOL SURV BULL 483

CLAYS, DIATOMACEOUS EARTH, EARTH MATERIALS, ECONOMICS, GEOLOGIC  
FORMATIONS, GRANITES, JAMES RIVER

## \*\*\*\*\* CLIMATIC DATA \*\*\*\*\*

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 227

CLIMATIC DATA, FLOW CHARACTERISTICS, GROUNDWATER, HYDROLOGIC ASPECTS,  
LONG-TERM PLANNING, RIVER BASINS, THEIR EQUATION, YORK RIVER

## \*\*\*\*\* COALS \*\*\*\*\*

1878 HEINRICH OJ  
MESOZOIC FORMATION IN VIRGINIA  
AMER INST MINING ENGINEERS TRANS 6, 227-274

COALS, ECONOMICS, GEOLOGIC FORMATIONS, MESOZOIC ERA, PALEONTOLOGY, SULFUR  
BACTERIA

## \*\*\*\*\* COASTS \*\*\*\*\*

1971 MARGIS WJ JR, LYNCH MP  
VIRGINIA STATE AGENCIES CONCERNED WITH COASTAL ZONE PLANNING, MANAGEMENT,  
OR SCIENTIFIC AND ENGINEERING ACTIVITIES  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 14 (2ND EDITION)

ADMINISTRATIVE AGENCIES, COASTS, MANAGEMENT, STRUCTURAL MODELS, VIRGINIA

## \*\*\*\*\* COBIA \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 234-236

CHESAPEAKE BAY, COBIA, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1964 JOSEPH EB ET AL  
SPAWNING OF THE COBIA, RACHYCENTRON CANADUM, IN THE CHESAPEAKE BAY AREA,  
WITH OBSERVATIONS OF JUVENILE SPECIMENS  
CHES SCI 5, 67-71 (VIMS CONTR 157)

CHESAPEAKE BAY, COBIA, EGGS, JUVENILE FISHES, SEASONAL DISTRIBUTION,  
STOKES LAW

## \*\*\*\*\* COMMERCIAL FISH \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 210-216

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 102-105

ANADROMOUS FISH, ATLANTIC MENHADEN, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 85-89

ANADROMOUS FISH, BLUEBACK HERRING, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 89-93

ALEWIVES, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY,  
HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 93-100

AMERICAN SHAD, ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 81-115

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 8-32

CHESAPEAKE BAY, COMMERCIAL FISH, FISHERIES, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 244-247

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, WHITE PERCH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 247-249

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, SURFACE TENSION

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 261-265

CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SCUP

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-276

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAMBEDS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 283-287

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, CROAKER,  
DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 296-299

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAMFLOW FORECASTING

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 300-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, GREY SEA TROUT

1953 MASSMANN WH  
RELATIVE ABUNDANCE OF YOUNG FISHES IN VIRGINIA ESTUARIES  
NORTH AMER WILDLIFE CONF TRANS, 18TH, 439-449 (VIMS CONIR 46)

COMMERCIAL FISH, DISTRIBUTION, ESTUARIES, JUVENILE FISHES, VIRGINIA

1955 OGLESBY RT  
AGE AND LENGTH OF MENHADEN...IN THE WATERS OF CHESAPEAKE BAY, WITH  
COMMENTS ON THE RATE OF GROWTH  
VIMS THESIS

CHESAPEAKE BAY, COMMERCIAL FISH, GROWTH RATES, ATLANTIC MENHADEN

1960 UNITED STATES NATIONAL MARINE FISHERIES SERVICE  
VIRGINIA LANDINGS  
(MONTHLY RELEASE)

CATCH, CHESAPEAKE BAY, COMMERCIAL FISH, MARKET VALUE, SOCIAL ASPECTS,  
VIRGINIA

1964 RUTHERFORD C  
EFFECTS OF COPPER SULFATE ON SPOT, LEIOSTOMUS XANTHURUS  
VIMS THESIS

BIOASSAY, COMMERCIAL FISH, COPPER SULFATE, STREAMBEDS, YORK RIVER

\*\*\*\*\* COMMERCIAL FISHING

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1881 INGERSGILL E  
A REPORT ON THE OYSTER INDUSTRY OF THE UNITED STATES  
US DEPARTMENT OF THE INTERIOR

COMMERCIAL FISHING, DREDGING, JAMES RIVER, OYSTER INDUSTRY, UNITED  
STATES, VIRGINIA

1930 COXSON JJ 3RD  
OYSTER INDUSTRY OF VIRGINIA  
RICHMOND NEWS LEADER, JANUARY 9-16, 1930

COMMERCIAL FISHING, OYSTER INDUSTRY, VIRGINIA

1943 MENZEL RW  
NOTES ON THE BIOLOGY AND COMMERCIAL FISHERY OF THE CATFISH OF THE JAMES  
RIVER, VIRGINIA  
VIMS THESIS

CATFISHES, COMMERCIAL FISHING, FRESHWATER FISH, JAMES RIVER

1943 MENZEL RW  
THE CATFISH FISHERY OF VIRGINIA  
AMER FISHERIES SOC TRANS 73, 364-372 (VIMS CONTR 23)

CATFISHES, COMMERCIAL FISHING, FINFISH INDUSTRY, FRESHWATER FISH, JAMES RIVER, POTOMAC RIVER

1952 MASSMANN WH ET AL  
A BIOLOGICAL SURVEY OF THE RAPPAHANNOCK RIVER, VA.  
VIMS SPEC SCIENTIFIC REPT 6

CHESAPEAKE BAY, COMMERCIAL FISHING, EFFLUENTS, FISHERIES, RAPPAHANNOCK RIVER, STREAM STABILIZATION

1957 MCHUGH JL, BAILEY RS  
HISTORY OF VIRGINIA'S COMMERCIAL FISHERIES--NEGLECTED HISTORICAL RECORDS  
THROW LIGHT ON TODAY'S PROBLEMS  
VA J SCI 8, 42-64 (VIMS CONTR 70)

COMMERCIAL FISHING, CRABS, HISTORY, OYSTERS

1957 MCHUGH JL, VAN ENGEL WA  
STATUS OF THE BLUE CRAB FISHERY IN CHESAPEAKE BAY  
VIMS SPEC SCIENTIFIC REPT 13

CHESAPEAKE BAY, COMMERCIAL FISHING, CRABS

1961 UNITED STATES ARMY CORPS OF ENGINEERS  
CHESAPEAKE BAY FISHING HARBORS ECONOMIC STUDY, MARYLAND AND VIRGINIA  
BOARD OF ENGINEERS FOR RIVERS AND HARBORS, WASHINGTON, D.C.

CHESAPEAKE BAY, COMMERCIAL FISHING, FINFISH INDUSTRY, FISHING GEAR, OYSTER INDUSTRY

1965 SMITH WG  
STUDY OF THE SCUP...BASED ON DATA OBTAINED FROM CATCHES OF THE 1963-64  
WINTER TRAWL FISHERY  
VIMS THESIS

CHESAPEAKE BAY, COMMERCIAL FISHING, SCUP, TRAWLING

1968 MCHUGH JL  
FISHERIES OF CHESAPEAKE BAY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 135-160

CATCH, CHESAPEAKE BAY, COMMERCIAL FISHING, FISHERIES, STREAM IMPROVEMENT

1968 MANNING JH  
BAY FISHERIES RESOURCES  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 91-101

CHESAPEAKE BAY, CLAM INDUSTRY, COMMERCIAL FISHING, CRAB INDUSTRY, OYSTER INDUSTRY

1968 DAVIS J  
POTENTIAL FOR AN INDUSTRIAL TRAWL FISHERY IN CHESAPEAKE BIGHT  
VIRGINIA J SCIENCE 19, 177 (VIMS CONTR 273)

COMMERCIAL FISHING, FISH POPULATIONS, MIGRATION PATTERNS, SEASONAL DISTRIBUTION, TRAWLING

1969 VIRGINIA INSTITUTE OF MARINE SCIENCE  
CULTURELESS SEED OYSTERS  
VIMS, MARINE RESOURCES ADVISORY SERIES 3

COMMERCIAL FISHING, OYSTER INDUSTRY, VIRGINIA

1970 VIRGINIA INSTITUTE OF MARINE SCIENCE  
HARD CLAM CULTURE METHOD DEVELOPED AT VIMS  
VIMS, MARINE RESOURCES ADVISORY SERIES 4

BEDS UNDER WATER, CLAM INDUSTRY, COMMERCIAL FISHING, EASTERN SHORE (VA-MD)

1970 GRANT GC ET AL  
AGE COMPOSITION AND MAGNITUDE OF STRIPED BASS WINTER GILL-NET CATCHES IN  
THE RAPPAHANNOCK RIVER, 1967-1970  
SE ASSOC GAME FISH COMM, 24TH CONF PROC, 659-667 (VIMS CONTR 399)

CATCH, COMMERCIAL FISHING, RAPPAHANNOCK RIVER, SURFACE TENSION

1971 BERGOFFEN B (ED)  
CITIZENS PROGRAM FOR THE CHESAPEAKE BAY  
CONFERENCE REPORT, SEPT 16-18, UNIV OF MARYLAND, COLLEGE PARK, MD

BOATING, CHESAPEAKE BAY, COMMERCIAL FISHING, INDUSTRIAL WASTES, LONG-TERM PLANNING, RECREATION, TRANSPORTATION

1971 CASTAGNA M, DUGGAN W  
REARING THE BAY SCALLOP, AEQUIPECTEN IRRADIANS  
NATL SHELLFISH ASSOC PROC 61, 80-85 (VIMS CONTR 388)

COMMERCIAL FISHING, LARVAE, SCALLOPS, MARICULTURE

## \*\*\*\*\* COMPUTER PROGRAMS

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1967 RICHARDS CE  
ANALOG COMPUTER TECHNIQUES FOR AGE-GROWTH STUDIES OF FISHES  
SOUTHEASTERN ASSOC GAME AND FISH COMM, 21ST CONF PROC, 273-276 (VIMS CONTR  
274)

ANALOG COMPUTERS, COMPUTER PROGRAMS, GROWTH STAGES

1971 HARRISON W, FANG CS  
HYDROGRAPHY AND HYDRODYNAMICS OF VIRGINIA ESTUARIES. I. OXYGEN BALANCE  
AND DYE-TRACER STUDIES AT THE CONFLUENCE OF THE YORK, PAMUNKEY...  
VIMS SPEC REPT IN AMSOE 11

COMPUTER PROGRAMS, DATA COLLECTIONS, DYE RELEASES, HYDROGRAPH ANALYSIS,  
MATHEMATICAL MODELS, OXYGEN DEMAND, PHOTOGRAPHY, YORK RIVER

1971 HYER PV ET AL  
HYDROGRAPHY AND HYDRODYNAMICS OF VIRGINIA ESTUARIES. II. STUDIES OF THE  
DISTRIBUTION OF SALINITY AND DISSOLVED OXYGEN IN THE UPPER YORK SYSTEM  
VIMS SPEC REPT APPL MAR SCI AND OCEAN ENGRNG 13

COMPUTER PROGRAMS, DISSOLVED OXYGEN, ESTUARIES, HYDROGRAPHY, MATHEMATICAL  
MODELS, MATTAPONI RIVER, PAMUNKEY RIVER, SALINITY, YORK RIVER

## \*\*\*\*\* CONSERVATION

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1950 VIRGINIA ACADEMY OF SCIENCE, JAMES RIVER PROJECT COMMITTEE  
JAMES RIVER BASIN, PAST, PRESENT AND FUTURE  
RICHMOND, VA ACAD SCIENCE

ANIMAL POPULATIONS, CONSERVATION, ECOLOGY, GEOLOGIC INVESTIGATIONS,  
HISTORY, JAMES RIVER, RECREATION, RIVER BASIN DEVELOPMENT, TRANSPORTATION

1955 ANON  
A LOOK AT VIRGINIA'S NATURAL RESOURCES  
VIRGINIA RESOURCE USE EDUCATION COUNCIL, BOX 1642, RICHMOND, VA.

CONSERVATION, NATURAL RESOURCES, RESOURCE ALLOCATION, VIRGINIA

1961 HARGIS WJ JR  
RESEARCH ON THE TIDAL POTOMAC  
WATER MANAGEMENT IN THE POTOMAC ESTUARY, 38-44 (VIMS CONTR 107)

CONSERVATION, ESTUARIES, POTOMAC RIVER, WATER MANAGEMENT (APPLIED)

1967 VIRGINIA MARINE RESOURCES STUDY COMMISSION  
MARINE RESOURCES OF VIRGINIA--THEIR USE, CONSERVATION AND DEVELOPMENT.  
REPORT TO THE GOVERNOR AND THE GENERAL ASSEMBLY OF VIRGINIA  
RICHMOND, VA DEPT PURCHASES AND SUPPLY

ADMINISTRATIVE DECISIONS, CONSERVATION, FISHING, RESEARCH FACILITIES,  
VIRGINIA, WATER RESOURCES DEVELOPMENT

1971 ANDREWS JD  
FISH FOR BEAUTY IN DISMAL SWAMP...  
VIRGINIA JOURNAL OF SCIENCE 22, 5-13

CONSERVATION, ECOLOGY, FRESHWATER FISH, DISMAL SWAMP (NC-VA), WILDLIFE,  
WETLANDS

1971 HARTWELL E  
WHEREWITH VIRGINIA'S WETLANDS  
ATLANTIC NATURALIST 26, 59-61

ADMINISTRATIVE AGENCIES, CONSERVATION, VIRGINIA, WETLANDS

1971 HOLDEN C  
CHESAPEAKE BAY  
SCIENCE 172, 825-827

ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, CONSERVATION, MARYLAND, NUCLEAR  
POWERPLANTS, SOCIAL ASPECTS, SIEVE ANALYSIS, VIRGINIA, WATER POLLUTION

## \*\*\*\*\* CONTINENTAL SHELF

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1968 STANLEY EM, NORCROSS JJ  
CIRCULATION OF THE SHELF WATERS OFF THE CHESAPEAKE BIGHT  
OCEAN SCIENCES & ENGINEERING OF THE ATLANTIC SHELF, SYMPOSIUM.  
TRANSACTIONS. MARINE TECHNOLOGY SOC, DELAWARE VALLEY SECTION

CONTINENTAL SHELF, CURRENTS (WATER), RUNOFF, SHALLOW WELLS, WINDS

1968 STANLEY EM, NORCROSS JJ  
CIRCULATION OF THE SHELF WATERS OFF THE CHESAPEAKE BIGHT  
OCEAN SCIENCES & ENGINEERING OF THE ATLANTIC SHELF, SYMPOSIUM.  
TRANSACTIONS. MARINE TECHNOLOGY SOC, DELAWARE VALLEY SECTION

CONTINENTAL SHELF, CURRENTS (WATER), RUNOFF, SHALLOW WELLS, WINDS

1972 SWIFT DJP ET AL  
ANATOMY OF A SHORE FACE RIDGE SYSTEM, FALSE CAPE, VIRGINIA  
MARINE GEOL 12, 59-84

BATHYMETRY, CONTINENTAL SHELF, MARINE GEOLOGY

## \*\*\*\*\* CONTROL STRUCTURES

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1965 DAVIS CC  
A STUDY OF THE HATCHING PROCESS IN AQUATIC INVERTEBRATES XX THE BLUE  
CRAB CALLINectes Sapidus Rathbun XXI THE NEMERTEAN CARCINOMERTE  
CARCINOPHILA (KOELLIKER)  
CHES SCI 6(4), 201-208

CONTROL STRUCTURES, HATCHING, JAMES RIVER, NEMERTEANS, REPRODUCTION, YORK  
RIVER, VIRGINIA



1971 NATIONAL PARK SERVICE  
SALEM CHURCH PROJECT, RAPPAHANNOCK RIVER, VIRGINIA--RECREATION APPENDIX  
US DEPARTMENT OF THE INTERIOR, BUREAU OF OUTDOOR RECREATION

FLOOD CONTROL, HYDROELECTRIC POWER, RAPPAHANNOCK RIVER, RECREATION,  
CONTRL STRUCTURES

\*\*\*\*\* COOLING WATER \*\*\*\*\*

1966 WARINNER JE, BREHMER M  
THE EFFECTS OF THERMAL EFFLUENTS ON MARINE ORGANISMS  
AIR AND WATER POLLUT INT J 10, 277-289 (VIMS CONTR 171)

BENTHIC FAUNA, COOLING WATER, ELECTRIC POWERPLANTS, PHYTOPLANKTON,  
PRIMARY PRODUCTIVITY, SILVERSIDES

1970 JENSEN LD  
COOLING WATER STUDIES FOR EDISON ELECTRIC INST, INTERIM REPORT SITE 12,  
JAMES RIVER CHESTERFIELD STA, VEPCO  
JOHNS HOPKINS DEPT OF GEOG AND ENVIRON ENGINEERING

COOLING WATER, ECOLOGICAL DISTRIBUTION, JAMES RIVER, WATER CHEMISTRY,  
WATER QUALITY

\*\*\*\*\* COPEPODS \*\*\*\*\*

1958 HARGIS WJ JR  
THE FISH PARASITE ARGULUS LATICAUDA AS A FORTUITOUS HUMAN EPIZOON  
J PARASIT 44, 45 (VIMS CONTR 77)

COPEPODS, FISH PARASITES

1961 BOWMAN TE  
THE COPEPOD GENUS ACARTIA IN CHESAPEAKE BAY  
CHES SCI 2, 206-207

CHESAPEAKE BAY, COPEPODS, DISTRIBUTION, ZOOPLANKTON

1970 YEATMAN HC  
COPEPODS FROM CHESAPEAKE BAY INCLUDING ASTEROCHERES JEANYEATMANAE N. SP.  
TRANS AMER MICROSC SOC 89, 27-38 (VIMS CONTR 318)

CHESAPEAKE BAY, COPEPODS, CRUSTACEANS, INVERTEBRATES

1971 DRESSSEL DM  
THE EFFECTS OF THERMAL SHOCK AND CHLORINE ON THE ESTUARINE COPEPOD  
ACARTIA TONSA  
VIMS THESIS

BIOASSAY, CHLORINE, COPEPODS, SHALLOW WELLS, SILVER IODIDE

\*\*\*\*\* COPPER SULFATE \*\*\*\*\*

1964 RUTHERFORD C  
EFFECTS OF COPPER SULFATE ON SPOT, LEIOSTOMUS XANTHURUS  
VIMS THESIS

BIOASSAY, COMMERCIAL FISH, COPPER SULFATE, STREAMBEDS, YORK RIVER

\*\*\*\*\* CORE DRILLING \*\*\*\*\*

1951 POLLAK MJ  
INSHORE SURVEY PROGRAM QUARTERLY PROGRESS REPORT NO. 3  
CHESAPEAKE BAY INSTITUTE, JOHNS HOPKINS UNIVERSITY

BOTTOM SEDIMENTS, CHESAPEAKE BAY, CORE DRILLING, CRUISES, GEOLOGIC  
INVESTIGATIONS, ON-SITE DATA COLLECTIONS

\*\*\*\*\* CORIOLIS FORCE \*\*\*\*\*

1956 PRITCHARD DW  
DYNAMIC STRUCTURE OF A COASTAL PLAIN ESTUARY  
J MAR RES 15, 33-42 (CHES BAY INST CONTR 24)

CORIOLIS FORCE, ESTUARIES, HYDROLOGIC EQUATION, JAMES RIVER, PHYSICAL  
OCEANOGRAPHY, SALINITY

\*\*\*\*\* CORROTOMAN RIVER \*\*\*\*\*

1932 LOOSANOFF VL  
OBSERVATIONS ON PROPAGATION OF OYSTERS IN JAMES AND CORROTOMAN RIVERS AND  
THE SEASIDE OF VIRGINIA  
NEWPORT NEWS, VA COMMISSION OF FISHERIES

BEDS UNDER WATER, CORROTOMAN RIVER, DRAINAGE, EASTERN SHORE (VA-MD),  
HYDROGRAPHY, JAMES RIVER, OYSTER INDUSTRY, OYSTERS

1969  
PROHIBITED AREA FOR PATENT TONGS  
VA CODE, 1950, 28.1-83

CORROTOMAN RIVER, FISHING GEAR, JAMES RIVER, LEGAL ASPECTS, MOBJACK BAY,  
PIANKATANK RIVER, RAPPAHANNOCK RIVER

\*\*\*\*\* COST ALLOCATION \*\*\*\*\*

1962 UNITED STATES ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT  
REVIEW REPORT ON JAMES RIVER, VIRGINIA  
(2 VOLS) NORFOLK, CORPS OF ENGINEERS REPORT

CHANNEL IMPROVEMENT, COST ALLOCATION, ESTIMATED COSTS, JAMES RIVER,  
NAVIGABLE RIVERS, PROJECT FEASIBILITY

## \*\*\*\*\* COST-BENEFIT ANALYSIS

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1970 UNITED STATES ARMY  
REVIEW OF REPORTS ON YORK AND PAMUNKEY RIVERS, VIRGINIA  
NORFOLK DISTRICT CORPS OF ENGINEERS

ADMINISTRATIVE DECISIONS, CHANNEL IMPROVEMENT, COST-BENEFIT ANALYSIS,  
NAVIGABLE RIVERS, PAMUNKEY RIVER, YORK RIVER

## \*\*\*\*\* CRAB INDUSTRY

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1947 ANDREWS E  
CRAB POT CONSTRUCTION-CHESAPEAKE BAY TYPE  
US FISH AND WILDLIFE SERVICE FISHERY LEAFLET 262

CRAB INDUSTRY, CRABS, FISHING GEAR, TRAPPING

1948 ANDREWS E  
THE 8BOBE METHOD OF PICKING BLUE CRABS  
US FISH AND WILDLIFE SERVICE FISHERY LEAFLET 276

CRAB INDUSTRY, CRABS, SOCIAL ASPECTS

1948 ANDREWS E  
TROTLINE CONSTRUCTION, OPERATION, AND MAINTENANCE  
US FISHAND WILDLIFE SERVICE FISHERY LEAFLET 291

CRAB INDUSTRY, CRABS, FISHING GEAR

1953 BREWINGTON MV  
CHESAPEAKE BAY-A PICTORIAL MARITIME HISTORY  
CORNELL MARITIME PRESS, CAMBRIDGE, MARYLAND

CRAB INDUSTRY, FINANCING, HISTORY, OYSTER INDUSTRY, SOCIAL FUNCTION

1962 ISAACSON PA  
MODIFICATIONS OF THE CHESAPEAKE BAY COMMERCIAL CRAB POT  
VIMS THESIS

CHESAPEAKE BAY, CRAB INDUSTRY, FISHING GEAR

1968 MANNING JH  
BAY FISHERIES RESOURCES  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 91-101

CHESAPEAKE BAY, CLAM INDUSTRY, COMMERCIAL FISHING, CRAB INDUSTRY, OYSTER  
INDUSTRY

1969  
CRABS (REGULATIONS)  
VA CODE,1950, TITLE 28.1 C 6 28.1-165 TO 28.1-174

CRAB INDUSTRY, LEGAL ASPECTS, SOCIAL ASPECTS, VIRGINIA

1969  
FISH,OYSTERS,SHELLFISH AND OTHER MARINE LIFE  
VA CODE,1950 TITLE 28.1

CLAM INDUSTRY, CRAB INDUSTRY, FINFISH INDUSTRY, FISH MANAGEMENT, LEGAL  
ASPECTS, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA

1970 ANON  
CHESAPEAKE BAY FIGHTS FOR ITS LIFE  
BUSINESS WEEK 2114, 40-44

CRAB INDUSTRY, DREDGING, OYSTER INDUSTRY, POLLUTANTS, POPULATION, SIEVE  
ANALYSIS, WILDLIFE, INDUSTRIAL FISH

## \*\*\*\*\* CRABS

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1919 CHURCHILL EP JR  
LIFE HISTORY OF THE BLUE CRAB  
US BUR FISH BULL (1917-1918) 36, 91-128

CRABS, GROWTH STAGES, LIFE HISTORY STUDIES, REPRODUCTION

1942 CHURCHILL EP  
THE ZOEAL STAGES OF THE BLUE CRAB,CALLINECTES SAPIDUS RATHBUN  
CHESAPEAKE BIOLOGICAL LABRATORY, SOLGMONS MD,PUBLICATION NC 49

CRABS, LARVAL GROWTH STAGE, MARYLAND

1942 LOCHHEAD MS, NEWCOMBE CL  
METHODS OF HATCHING EGGS OF THE BLUE CRAB  
VA J SCIENCE 3, 76-86 (VIMS CONTR 9)

CHESAPEAKE BAY, CRABS, EGGS, HATCHING, LARVAL GROWTH STAGE, MOLTING

1943 HOPKINS SH  
THE EXTERNAL MORPHOLOGY OF THE FIRST AND SECOND ZOEAL STAGES OF THE BLUE  
CRAB, CALLINECTES SAPIDUS RATHBUN  
AMER MICROS SOC TRANS 62, 85-90 (VIMS CONTR 10)

CHESAPEAKE BAY, CRABS, HATCHING, LARVAL GROWTH STAGE, MOLTING, MORPHOLOGY

1944 SANDOZ M, HOPKINS SH  
ZOEAL LARVAE OF THE BLUE CRAB CALLINECTES SAPIDUS RATHBUN  
J WASH ACAD SCIENCES 34, 132-133 (VIMS CONTR 13)

CRABS, HATCHING, LARVAL GROWTH STAGE, SALINITY, SHALLOW WELLS

1945 ROGERS MR  
DISTRIBUTION OF THE FUNGUS LAGENIDIUM CALLINECTES COUCH AND ITS EFFECT ON  
EGGS OF THE BLUE CRAB  
VIMS THESIS

ANIMAL PARASITES, CRABS, FUNGI, YORK RIVER

1947 ANDREWS E  
CRAB POT CONSTRUCTION-CHESAPEAKE BAY TYPE  
US FISH AND WILDLIFE SERVICE FISHERY LEAFLET 262

CRAB INDUSTRY, CRABS, FISHING GEAR, TRAPPING

1947 HOPKINS SH  
THE NEMERTEAN CARCINONEMERTES AS AN INDICATOR OF THE SPAWNING HISTORY OF  
THE HOST, CALLINECTES SAPIDUS  
J. PARASIT. 33(2), 146-150

CRABS, NEMERTEANS, STOKES LAW, VIRGINIA

1948 ANDREWS E  
THE 660B& METHOD OF PICKING BLUE CRABS  
US FISH AND WILDLIFE SERVICE FISHERY LEAFLET 276

CRAB INDUSTRY, CRABS, SOCIAL ASPECTS

1948 ANDREWS E  
TROTLINE CONSTRUCTION, OPERATION, AND MAINTENANCE  
US FISH AND WILDLIFE SERVICE FISHERY LEAFLET 291

CRAB INDUSTRY, CRABS, FISHING GEAR

1949 MARSHALL N  
A SUMMARY STATEMENT OF THE STATUS OF OUR KNOWLEDGE OF THE MARINE  
FISHERIES OF VIRGINIA  
VIMS SPEC SCIENTIFIC REPT 4

BASS, CATCH, CHESAPEAKE BAY, CRABS, FISH POPULATIONS, OYSTERS, STREAM  
IMPROVEMENT

1950 MACGREGOR JS  
SOME HYDROGRAPHIC CONDITIONS FOUND IN WINTER IN LOWER CHESAPEAKE BAY AND  
THEIR POSSIBLE EFFECTS ON THE BLUE CRAB...  
VIMS THESIS

CHESAPEAKE BAY, CRABS, SALINITY, SHALLOW WELLS

1950 PYLE RW, CRONIN LE  
THE GENERAL ANATOMY OF THE BLUE CRAB CALLINECTES SAPIDUS RATHBUN  
CHES BIOL LAB, SOLOMONS, MD, PUBLICATION 87

CRABS, MORPHOLOGY

1950 VAN ENGEL WA  
RECORDS OF THE CHESAPEAKE BAY BLUE CRAB FISHERY  
VIMS SPEC SCIENTIFIC REPT 5

CATCH, CHESAPEAKE BAY, CRABS

1951 PRITCHARD DW  
THE PHYSICAL HYDROGRAPHY OF ESTUARIES AND SOME APPLICATIONS TO BIOLOGICAL  
PROBLEMS  
TRANSACTIONS OF THE 16TH NORTH AMERICAN WILDLIFE CONFERENCE, 366-376

CRABS, CROAKER, CURRENTS (WATER), ESTUARIES, FISH, OYSTERS

1957 MCHUGH JL, BAILEY RS  
HISTORY OF VIRGINIA'S COMMERCIAL FISHERIES--NEGLECTED HISTORICAL RECORDS  
THROW LIGHT ON TODAY'S PROBLEMS  
VA J SCI 8, 42-64 (VIMS CONTR 70)

COMMERCIAL FISHING, CRABS, HISTORY, OYSTERS

1957 MCHUGH JL, VAN ENGEL WA  
STATUS OF THE BLUE CRAB FISHERY IN CHESAPEAKE BAY  
VIMS SPEC SCIENTIFIC REPT 13

CHESAPEAKE BAY, COMMERCIAL FISHING, CRABS

1958 VAN ENGEL WA  
THE BLUE CRAB AND ITS FISHERY IN CHESAPEAKE BAY  
COMM FISH REVIEW 20(6),6-17 (VIMS CONTR 79)

CRABS, LARVAL GROWTH STAGE, MIGRATION, REPRODUCTION

1962 HOESE HD  
STUDIES ON OYSTER SCAVENGERS AND THEIR RELATION TO THE FUNGUS  
DERMOCYSTIDIUM MARINUM  
NATL SHELLFISH ASSOC PROC 53, 161-174 (VIMS CONTR 162)

DERMOCYSTIDIUM, OYSTERS, SCAVENGERS, MARINE FUNGI, ANIMAL PATHOLOGY,  
CRABS

1964 KENK VC  
A NEW CRAB HOST OF THE GREGARINE NEMATOPSIS OSTREARUM  
NATL SHELLFISH ASSOC PROC 55, 87-88 (VIMS CONTR 206)

CRABS, OYSTERS, PARASITISM, PROTOZOA

1964 HAEFNER PA, SHUSTER C  
LENGTH INCREMENTS DURING TERMINAL MOLT OF THE FEMALE BLUE CRAB,  
CALLINECTES SAPIDUS IN DIFFERENT SALINITY ENVIRONMENTS  
CHES SCI 5(3), 114-118

CRABS, GROWTH STAGES, SALINITY, MOLTING

1965 WILLIAMS AB  
MARINE DECAPOD CRUSTACEANS OF THE CAROLINAS  
US FISH AND WILDLIFE SERVICE FISHERY BULLETIN VOL 65 NO 1

CRABS, LOBSTERS, SODIUM ARSENITE

1965 FARRAGUT RN  
PROXIMATE COMPOSITION OF CHESAPEAKE BAY BLUE CRAB (CALLINECTES SAPIDUS)  
JOURNAL OF FOOD SCIENCE 30, 538-544

CHEMICAL ANALYSIS, CRABS, VIRGINIA, BIOCHEMISTRY

1966 VAN ENGEL WA ET AL  
LOXOTHYLACUS PANOPAEI...AN INTRODUCED PARASITE ON A XANTHID CRAB IN  
CHESAPEAKE BAY  
CRUSTACEANA 10(1), 111-112

ANIMAL PARASITES, CHESAPEAKE BAY, CRABS, SOCIAL ASPECTS

1966 THOMPSON MH, FARRAGUT RN  
AMINO ACID COMPOSITION OF THE CHESAPEAKE BAY BLUE CRAB CALLINECTES  
SAPIDUS  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY 17, 1065-1078

AMINO ACIDS, CHEMICAL ANALYSIS, CRABS, VIRGINIA, BIOCHEMISTRY

1966 TAN EC, VAN ENGEL WA  
OSMOREGULATION IN THE ADULT BLUE CRAB, CALLINECTES SAPIDUS RATHBUN  
CHES SCI 7, 30-35 (VIMS CONTR 211)

CRABS, OSMOSIS, SALT TOLERANCE

1969 KRANTZ GE, ET AL  
VIBRIO PARAHAEMOLYTICUS FROM THE BLUE CRAB CALLINECTES SAPIDUS IN  
CHESAPEAKE BAY  
SCIENCE 164(3885), 1266-1287

ANIMAL PATHOLOGY, BACTERIA, CRABS

1969 LANG MA  
VOLUME CONTROL IN HYPOTONIC SALINE BY MUSCLES OF THE BLUE  
CRAB, CALLINECTES SAPIDUS RATHBUN  
PHD THESIS UNIV MARYLAND DISS ABS 29(10)3891B

CRABS, SALINITY, HISTOLOGICAL INVESTIGATIONS

1969 LANG MA, GAINER H  
ISOSMOTIC INTERCELLULAR REGULATION AS A MECHANISM OF VOLUME CONTROL IN  
CRAB MUSCLE FIBERS  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY 30, 445-456

AMINO ACIDS, CRABS, SALINITY, HISTOLOGICAL INVESTIGATIONS

1968 ROBERTS MH JR  
FUNCTIONAL MORPHOLOGY OF MOUTH PARTS OF THE HERMIT CRABS, PAGURUS  
LONGICARPUS AND PAGURUS POLLICARIS  
CHES SCI 9, 9-20 (VIMS CONTR.271)

CRABS, FEEDING, MORPHOLOGY

1969 COWLELL RR  
COMPUTER STUDIES OF MICROORGANISMS ASSOCIATED WITH INVERTEBRATE ANIMALS  
IN THE CHESAPEAKE BAY AND ISOLATION OF VIBRIO PARAHAEMOLYTICUS FROM THE  
BLUE CRAB  
OOD-DRUGS FROM THE SEA PROC 1969 HW YOUNGKEN ED

ANIMAL PATHOLOGY, BACTERIA, ANIMAL PATHOLOGY, CRABS

1969 DAUGHERTY SJ  
ASPECTS OF THE ECOLOGY, LIFE HISTORY, AND HOST-PARASITE RELATIONSHIP OF  
LOXOTHYLACUS PANOPEI (SACCULINIDAE) IN CHESAPEAKE BAY  
(VIMS THESIS)

CRABS, JAMES RIVER, PARASITISM, YORK RIVER

1969 COWLELL RR  
COMPUTER STUDIES OF MICROORGANISMS ASSOCIATED WITH INVERTEBRATE ANIMALS  
IN THE CHESAPEAKE BAY AND ISOLATION OF VIBRIO PARAHAEMOLYTICUS FROM THE  
BLUE CRAB  
OOD-DRUGS FROM THE SEA PROC 1969 HW YOUNGKEN ED

ANIMAL PATHOLOGY, BACTERIA, AQUATIC MICROORGANISMS, CRABS, INVERTEBRATES

1970 SANDIFER PA, VAN ENGEL WA  
MODIOLUS DEMISSUS, A NEW HOST FOR THE OYSTER CRAB PINNOTHERES OSTREUM IN  
VIRGINIA  
VELIGER 13, 145-146 (VIMS CONTR 347)

CRABS, HOSTS, MUSSELS, PARASITISM, VIRGINIA

1971 KERWIN JA  
DISTRIBUTION OF THE FIDDLER CRAB (UCA MINAX) IN RELATION TO MARSH PLANTS  
WITHIN A VIRGINIA ESTUARY  
CHES SCI 12, 180-183 (VIMS CONTR 396)

CRABS, DISTRIBUTION, MARSH PLANTS, WETLANDS, YORK RIVER

1972 LYNCH MP  
 VARIATIONS IN SOME SERUM CONSTITUENTS OF THE BLUE CRAB CALLINectes  
 SAPIDUS  
 VIMS DISSERTATION

AMINO ACIDS, BIOCHEMISTRY, BIOINDICATORS, CARBOHYDRATES, CHLORIDES,  
 CRABS, OSMOTIC PRESSURE, PROTEINS

\*\*\*\*\* CROAKER

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1927 HILDEBRAND SF, SCHRIGEDER WC  
 FISHES OF CHESAPEAKE BAY  
 US BUR FISH BULL 43, PART 1, 283-287

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, CROAKER,  
 DISTRIBUTION, FISH TAXONOMY

1951 PRITCHARD DW  
 THE PHYSICAL HYDROGRAPHY OF ESTUARIES AND SOME APPLICATIONS TO BIOLOGICAL  
 PROBLEMS  
 TRANSACTIONS OF THE 16TH NORTH AMERICAN WILDLIFE CONFERENCE, 368-376

CRABS, CROAKER, CURRENTS (WATER), ESTUARIES, FISH, OYSTERS

1957 HAVEN DS  
 DISTRIBUTION, GROWTH, AND AVAILABILITY OF JUVENILE CROAKER, MICROPOGON  
 UNDULATUS, IN VIRGINIA  
 ECOLOGY 38, 88-97 (VIMS CONTR 68)

CROAKER, DISTRIBUTION, ESTUARIES, JUVENILE FISHES, VIRGINIA

1960 MASSMANN WH, PACHECO AL  
 DISAPPEARANCE OF YOUNG ATLANTIC CROAKERS FROM THE YORK RIVER, VIRGINIA  
 AMER FISHERIES SOC TRANS 89, 154-159 (VIMS CONTR 91)

CROAKER, FISH POPULATIONS, JAMES RIVER, YORK RIVER

\*\*\*\*\* CRUISES

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1951 POLLAK MJ  
 INSHORE SURVEY PROGRAM QUARTERLY PROGRESS REPORT NO. 3  
 CHESAPEAKE BAY INSTITUTE, JOHNS HOPKINS UNIVERSITY

BOTTOM SEDIMENTS, CHESAPEAKE BAY, CORE DRILLING, CRUISES, GEOLOGIC  
 INVESTIGATIONS, ON-SITE DATA COLLECTIONS

1961 PATTEN BC, WARINNER JE  
 HYDROGRAPHIC, NUTRIENT, CHLOROPHYLL, SESTON AND CELL-COUNT DATA FROM  
 CHESAPEAKE BAY CRUISES OF R  
 PATHFINDER AND R/V OBSERVER/ VIMS SPEC SCIENTIFIC REPT 20

CHESAPEAKE BAY, CRUISES, HYDROLOGIC DATA, SAMPLING, NUTRIENTS,  
 CHLOROPHYLL, SESTON, PHYTOPLANKTON

1964 VIRGINIA INSTITUTE OF MARINE SCIENCE  
 HYDROGRAPHIC CRUISE SCHEDULE OPERATION JAMES RIVER  
 (VIMS MS)

CRUISES, JAMES RIVER, ON-SITE DATA COLLECTIONS, SAMPLING

\*\*\*\*\* CRUSTACEANS

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1970 YEATMAN HC  
 COPEPODS FROM CHESAPEAKE BAY INCLUDING ASTEROCHERES JEANYEATMANAE N. SP.  
 TRANS AMER MICROSC SOC 89, 27-38 (VIMS CONTR 318)

CHESAPEAKE BAY, COPEPODS, CRUSTACEANS, INVERTEBRATES

1970 CHAMBERS JR ET AL  
 OCCURRENCE OF LEPTODORA KINDTII (FOCKE) (CLADOCERA) IN VIRGINIA  
 TRIBUTARIES OF CHESAPEAKE BAY  
 CHES SCI 11, 255-261 (VIMS CONTR 360)

CHESAPEAKE BAY, CRUSTACEANS, SEASONAL DISTRIBUTION, VIRGINIA, WATERFLEAS

1972 MUSICK JA, MCEACHRAN JD  
 AUTUMN AND WINTER OCCURRENCE OF DECAPOD CRUSTACEANS IN CHESAPEAKE BIGHT,  
 U.S.A.  
 CRUSTACEANA 22, 190-200 (VIMS CONTR 414)

CRUSTACEANS, SAMPLING, SEASONAL DISTRIBUTION

\*\*\*\*\* CTENOPHORES

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1952 VIRGINIA FISHERIES LABORATORY  
 INSHORE SURVEY PROGRAM REPORT 13--BIOLUMINESCENCE IN THE CHESAPEAKE  
 BAY...  
 CHES BAY INST, JOHNS HOPKINS UNIVERSITY REFERENCE 52-17

BIOLUMINESCENCE, CHESAPEAKE BAY, CTENOPHORES, DINOFLAGELLATES, SCYPHOZOA

1968 BURRELL VG JR  
 ECOLOGICAL SIGNIFICANCE OF A CTENOPHORE, MNEMIOPSIS LEIDYI (A. AGASSIZ),  
 IN A FISH NURSERY GROUND  
 VIMS THESIS

CTENOPHORES, ECOLOGICAL IMPACT, PLANKTON, SALINITY, YORK RIVER

\*\*\*\*\* CULTCH

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1969 CASTAGNA M ET AL  
 TREATMENT OF SHELL CULTCH WITH POLYSTYRENE TO INCREASE THE YIELD OF SEED  
 OYSTERS, CRASSOSTREA VIRGINICA  
 NATL SHELLFISH ASSOC PROC 59, 84-90 (VIMS CONTR 306)

CHEMICALS, CULTCH, OYSTER INDUSTRY

1969 CASTAGNA M ET AL  
TREATMENT OF SHELL CULTCH WITH POLYSTREAM TO INCREASE THE YIELD OF SEED  
OYSTERS, CRASSOSTREA VIRGINICA  
NATL SHELLFISH ASSOC PROC 59, 84-90 (VIMS CONTR 306)

CHEMICALS, CULTCH, OYSTER INDUSTRY, OYSTER SETTING, MARICULTURE

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1951 PRITCHARD DW, BURT WV  
AN INEXPENSIVE AND RAPID TECHNIQUE FOR OBTAINING CURRENT PROFILES IN  
ESTUARINE WATERS  
CHES BAY INST TECH REPT 1

CURRENT METERS, ESTUARIES

\*\*\*\*\* CURRENTS (WATER)

1930 HAIGHT FJ  
TIDES AND CURRENTS IN CHESAPEAKE BAY AND TRIBUTARIES  
US COAST AND GEODETIC SURVEY, SPECIAL PUBL 162

CHRYSOPHYTA, CURRENTS (WATER), SLUDGE, TRIBUTARIES

1947 GALTSOFF PS, ET AL  
ECOLOGICAL AND PHYSIOLOGICAL STUDIES OF THE EFFECT OF SULFATE PULP MILL  
WASTES ON OYSTERS IN THE YORK RIVER, VIRGINIA  
SF+WS FISHERY BULLETIN 51, 43

ANIMAL PARASITES, ANIMAL PATHOLOGY, CURRENTS (WATER), OYSTERS,  
PHYTOPLANKTON, PIANKATANK RIVER, POLLUTANTS, PULP WASTES, VIRGINIA, YORK  
RIVER

1951 PRITCHARD DW  
DATA REPORT, OPERATION OYSTER SPAT 1 AND 2  
CHES BAY INST DATA REPT 7

CHEMICAL ANALYSIS, CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, WATER  
TEMPERATURE

1951 PRITCHARD DW  
THE PHYSICAL HYDROGRAPHY OF ESTUARIES AND SOME APPLICATIONS TO BIOLOGICAL  
PROBLEMS  
TRANSACTIONS OF THE 16TH NORTH AMERICAN WILDLIFE CONFERENCE, 368-376

CRABS, CROAKER, CURRENTS (WATER), ESTUARIES, FISH, OYSTERS

1953 CHESAPEAKE BAY INSTITUTE  
JAMES RIVER WINTER CRUISE 6-11 MAR 1952  
CHES BAY INST DATA REPT 13

CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, SALINITY, WATER  
TEMPERATURE, WEATHER DATA

1955 CHESAPEAKE BAY INSTITUTE  
JAMES RIVER WINTER CRUISE 2, 13-17 FEB 1953  
CHES BAY INST DATA REPT 25

CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, SALINITY, WATER  
TEMPERATURE, WEATHER DATA

1956 PRITCHARD DW, KENT RE  
METHOD FOR DETERMINING MEAN LONGITUDINAL VELOCITIES IN A COASTAL PLAIN  
ESTUARY  
J MAR RES 15, 81-91 (CHES BAY INST CONTR 26)

CURRENTS (WATER), ESTUARIES, HYDROLOGIC EQUATION, JAMES RIVER, PHYSICAL  
OCEANOGRAPHY, SALINITY

1964 VIRGINIA INSTITUTE OF MARINE SCIENCE  
JAMES RIVER MODEL DATA  
(VIMS MS)

CHEMICAL ANALYSIS, CURRENTS (WATER), DATA COLLECTIONS, HYDROGRAPHY, JAMES  
RIVER, SALINITY, WATER TEMPERATURE, WEATHER DATA

1967 SHIDLER JK, MACINTYRE WG  
HYDROGRAPHIC DATA COLLECTION FOR 'OPERATION JAMES RIVER-1964'  
VA INST MARINE SCIENCE DATA REPT 5

CURRENTS (WATER), DATA COLLECTIONS, DEPTH, HYDROGRAPHY, JAMES RIVER,  
SALINITY, WATER TEMPERATURE, WIND VELOCITY

1968 STANLEY EM, NORCROSS JJ  
CIRCULATION OF THE SHELF WATERS OFF THE CHESAPEAKE BIGHT  
OCEAN SCIENCES & ENGINEERING OF THE ATLANTIC SHELF, SYMPOSIUM.  
TRANSACTIONS. MARINE TECHNOLOGY SOC, DELAWARE VALLEY SECTION

CONTINENTAL SHELF, CURRENTS (WATER), RUNOFF, SHALLOW WELLS, WINDS

1968 STANLEY EM, NORCROSS JJ  
CIRCULATION OF THE SHELF WATERS OFF THE CHESAPEAKE BIGHT  
OCEAN SCIENCES & ENGINEERING OF THE ATLANTIC SHELF, SYMPOSIUM.  
TRANSACTIONS. MARINE TECHNOLOGY SOC, DELAWARE VALLEY SECTION

CONTINENTAL SHELF, CURRENTS (WATER), RUNOFF, SHALLOW WELLS, WINDS

1970 MUNDAY WG JR ET AL  
OIL SLICK MOTION NEAR CHESAPEAKE BAY ENTRANCE  
WATER RESOURCES BULL 6(6), 879-884 (VIMS CONTR 357)

CHESAPEAKE BAY, CURRENTS (WATER), OILY WATER, THERMAL CONDUCTIVITY,  
WINDS, POLLUTANTS

1970 CARTER HH, OKUBO A  
LONGITUDINAL DISPERSION IN NON-UNIFORM FLOW  
CHESAPEAKE BAY INSTITUTE TECHNICAL REPORT 68

CURRENTS (WATER), ESTUARIES, PATUXENT RIVER, POLLUTANTS

\*\*\*\*\* DAMS

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1899 TODD W  
JAMES RIVER VIRGINIA WATER-POWER DEVELOPMENT  
ELECTRICAL WORLD 33, 573-575

DAMS, HYDROELECTRIC PLANTS, HYDROELECTRIC POWER, JAMES RIVER

1949 SCRUGGS PL  
CLEANING THE JAMES  
REPRINTED FROM THE LYNCHBURG NEWS, APRIL 3, 1949

DAMS, FLOOD CONTROL, JAMES RIVER, WATER POLLUTION

1950 MCGAUHEY PH  
ENGINEERING  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
637-651

DAMS, ENGINEERING, HYDROELECTRIC PLANTS, INDUSTRIAL WATER, JAMES RIVER,  
NAVIGATION, PULP AND PAPER INDUSTRY

1969 VIRGINIA MARINE RESOURCES COMMISSION  
APPOMATTOX RIVER WATER IMPOUNDMENT  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION-- 24 JUNE

APPOMATTOX RIVER, DAMS, IMPOUNDED WATERS, JAMES RIVER, RESERVOIRS

1970 UNITED STATES ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT  
FLOOD PLAIN INFORMATION, RAPPAHANNOCK RIVER, FREDERICKSBURG, SPOTSYLVANIA  
AND STAFFORD COUNTIES, VIRGINIA  
UNNUMBERED REPT

DAMS, DESIGN FLOOD, FLOOD CONTROL, FLOOD PLAINS, RAPPAHANNOCK RIVER,  
REGIONAL FLOOD

1970 VIRGINIA MARINE RESOURCES COMMISSION  
NORTH ANNA DAM PROJECT  
MINUTES OF MEETINGS, 24 MARCH

DAMS, HYDROELECTRIC POWER, PAMUNKEY RIVER

\*\*\*\*\* DAMSITES

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1930  
GARDEN CLUB OF VIRGINIA V VIRGINIA PUBLIC SERVICE CO ET AL  
151 SE 161

DAMSITES, JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS

\*\*\*\*\* DATA COLLECTIONS

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1951 PRITCHARD DW  
DATA REPORT, OPERATION OYSTER SPAT 1 AND 2  
CHES BAY INST DATA REPT 7

CHEMICAL ANALYSIS, CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, WATER  
TEMPERATURE

1953 CHESAPEAKE BAY INSTITUTE  
JAMES RIVER WINTER CRUISE 6-11 MAR 1952  
CHES BAY INST DATA REPT 13

CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, SALINITY, WATER  
TEMPERATURE, WEATHER DATA

1953 PRITCHARD DW, KENT RE  
REDUCTION AND ANALYSIS OF DATA FROM JAMES RIVER OPERATION OYSTER SPAT  
CHES BAY INST TECH REPT 6

DATA COLLECTIONS, JAMES RIVER, SALINITY, STRUCTURE, THERMAL RADIATION

1955 CHESAPEAKE BAY INSTITUTE  
JAMES RIVER WINTER CRUISE 2, 13-17 FEB 1953  
CHES BAY INST DATA REPT 25

CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, SALINITY, WATER  
TEMPERATURE, WEATHER DATA

1961 PATTEN BC, LACEY JR  
DISTRIBUTION OF AMMONIA NITROGEN IN THE LOWER YORK RIVER, VIRGINIA  
VIMS SPECIAL SCIENTIFIC REPT 25

AMMONIA, DATA COLLECTIONS, DISTRIBUTION, NITRATES, SALTATION, STRUCTURAL  
SHAPES, YORK RIVER

1961 PATTEN BC, WARINNER JE  
SUMMARY OF DATA FROM PRODUCTIVITY EXPERIMENTS IN THE YORK RIVER, VIRGINIA  
VIMS SPECIAL SCIENTIFIC REPT 22 C1200

CHLOROPHYLL, DATA COLLECTIONS, NUTRIENTS, PRODUCTIVITY, YORK RIVER

1963 PATTEN RC ET AL  
SUSPENDED PARTICULATE MATERIAL IN THE LOWER YORK RIVER, VIRGINIA  
VIMS SPECIAL SCIENTIFIC REPT 44

DATA COLLECTIONS, ENERGY BUDGET, SEDIMENT LOAD, SESTON, THERMAL  
STRATIFICATION, YORK RIVER

1964 VIRGINIA INSTITUTE OF MARINE SCIENCE  
JAMES RIVER MODEL DATA  
(VIMS MS)

CHEMICAL ANALYSIS, CURRENTS (WATER), DATA COLLECTIONS, HYDROGRAPHY, JAMES  
RIVER, SALINITY, WATER TEMPERATURE, WEATHER DATA

1965 ELLISON R ET AL  
DISTRIBUTION OF RECENT FORAMINIFERA IN THE RAPPAHANNOCK RIVER ESTUARY  
VIMS SPECIAL SCIENTIFIC REPT 47

DATA COLLECTIONS, DISTRIBUTION, ESTUARIES, FORAMINIFERA, RAPPAHANNOCK  
RIVER, SEDIMENTS

1967 SHIDLER JK, MACINTYRE WG  
HYDROGRAPHIC DATA COLLECTION FOR 'OPERATION JAMES RIVER-1964'  
VA INST MARINE SCIENCE DATA REPT 5

CURRENTS (WATER), DATA COLLECTIONS, DEPTH, HYDROGRAPHY, JAMES RIVER,  
SALINITY, WATER TEMPERATURE, WIND VELOCITY

1971 HARRISON W, FANG CS  
HYDROGRAPHY AND HYDRODYNAMICS OF VIRGINIA ESTUARIES. I. OXYGEN BALANCE  
AND DYE-TRACER STUDIES AT THE CONFLUENCE OF THE YORK, PAMUNKEY...  
VIMS SPEC REPT IN AMSOE 11

COMPUTER PROGRAMS, DATA COLLECTIONS, DYE RELEASES, HYDROGRAPH ANALYSIS,  
MATHEMATICAL MODELS, OXYGEN DEMAND, PHOTOGRAPHY, YORK RIVER

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1971 VIRGINIA DEPARTMENT OF AGRICULTURE AND COMMERCE  
RULES AND REGULATIONS FOR ENFORCEMENT OF THE VIRGINIA PESTICIDE LAW  
DIVISION OF REGULATORY SERVICES, RICHMOND, VA.

ANIMAL CONTROL, ARSENIC COMPOUNDS, AVICIDES, BRUSH CONTROL, CHLORINATED  
HYDROCARBON PESTICIDESDDT, DIELDRIN, LEGAL ASPECTS, PESTICIDES, VIRGINIA

\*\*\*\*\* DECISION MAKING

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1971 GOODELL HG ET AL  
THE POTENTIAL OF REMOTE SENSING AS A DATA BASE FOR STATE AGENCIES--THE  
VIRGINIA MODEL  
UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA. (NATL TECH INFO SERV NO PB  
200990)

DECISION MAKING, PLANNING, REMOTE SENSING, RESOURCE ALLOCATION,  
STRUCTURAL MODELS, VIRGINIA

\*\*\*\*\* DEEP-WELLS

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1937 MANSFIELD WC  
SOME DEEP WELLS NEAR THE ATLANTIC COAST IN VIRGINIA AND THE CAROLINAS  
US GEOL SURVEY PROF PAPER 186-I

ATLANTIC COASTAL PLAIN, DEEP-WELLS, JAMES RIVER, NORTH CAROLINA,  
STERILITY, SULFUR BACTERIA

\*\*\*\*\* DEFORMATION

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1972 MERRINER JV, WILSON WL  
JAW DEFORMITY (CROSS-BITE) OF ATLANTIC MENHADEN, BREVOORTIA TYRANNUS,  
FROM VIRGINIA  
CHES SCI 13, 62 (VIMS CONTR 417)

ATLANTIC MENHADEN, DEFORMATION, HERRINGS, JAMES RIVER

\*\*\*\*\* DELAWARE

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1966 BARROW JH ET AL  
FLUORESCENT-ANTIBODY STUDIES OF HAPLOSPORIDIAN PARASITES OF OYSTERS IN  
CHESAPEAKE AND DELAWARE BAY  
SCIENCE 153(3743), 1531-1533

ANIMAL PATHOLOGY, CHESAPEAKE BAY, DELAWARE, FLUORESCENCE, MSX, OYSTERS,  
STREAM GAGES

\*\*\*\*\* DELAWARE RIVER

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1960 O'CONNOR DJ  
OXYGEN BALANCE OF AN ESTUARY--DELAWARE AND JAMES RIVERS  
AMER SOC CIVIL ENGRS PROC 86(SA3), 35-55

CHEMICAL ANALYSIS, DELAWARE RIVER, JAMES RIVER, OXYGEN

\*\*\*\*\* DEPOSITION (SEDIMENTS)

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1966 BOND GC, MEADE RH  
SIZE DISTRIBUTIONS OF MINERAL GRAINS SUSPENDED IN CHESAPEAKE BAY AND  
NEARBY COASTAL WATERS  
CHESAPEAKE SCIENCE 7, 208-212

CHESAPEAKE BAY, DEPOSITION (SEDIMENTS), SESTON

1968 COCH NK  
GEOLOGY OF THE BENNS CHURCH, SMITHFIELD, WINDSOR, AND CHUCKATUCK  
QUADRANGLES, VIRGINIA  
A DIV MINERAL RES., REPT OF INVESTIGATIONS 17

DEPOSITION (SEDIMENTS), GEOLOGIC INVESTIGATIONS, GEOMORPHOLOGY, JAMES  
RIVER, SULFUR BACTERIA



1968 O'BRIEN M  
MULTIPLE BAR SYSTEMS IN CHESAPEAKE BAY  
VIMS THESIS

CHESAPEAKE BAY, DEPOSITION (SEDIMENTS), SAND BARS, SEDIMENTATION

1969 BICK KF, COCH NK  
GEOLOGY OF THE WILLIAMSBURG, HOG ISLAND, AND BACONS CASTLE QUADRANGLES,  
VIRGINIA  
VA DIV MINERAL RESOURCES, REPORT OF INVESTIGATIONS 18

DEPOSITION (SEDIMENTS), GEOLOGIC INVESTIGATIONS, GEOMORPHOLOGY, JAMES  
RIVER, SULFUR BACTERIA

\*\*\*\*\* DEPTH

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1967 SHIDLER JK, MACINTYRE WG  
HYDROGRAPHIC DATA COLLECTION FOR 'OPERATION JAMES RIVER-1964'  
VA INST MARINE SCIENCE DATA REPT 5

CURRENTS (WATER), DATA COLLECTIONS, DEPTH, HYDROGRAPHY, JAMES RIVER,  
SALINITY, WATER TEMPERATURE, WIND VELOCITY

\*\*\*\*\* DERMOCYSTIDIUM

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1962 ANDREWS JD  
OYSTER MORTALITY STUDIES IN VIRGINIA. 4. MSX IN JAMES RIVER PUBLIC SEED  
BEDS  
NATL SHELLFISHERIES ASSOC PROC 53, 65-84 (VIMS CONTR 155)

BEDS UNDER WATER, DERMOCYSTIDIUM, JAMES RIVER, MORTALITY, MSX, OYSTERS,  
SALINITY

1962 HOESE HD  
STUDIES ON OYSTER SCAVENGERS AND THEIR RELATION TO THE FUNGUS  
DERMOCYSTIDIUM MARINUM  
NATL SHELLFISH ASSOC PROC 53, 161-174 (VIMS CONTR 162)

DERMOCYSTIDIUM, OYSTERS, SCAVENGERS, MARINE FUNGI, ANIMAL PATHOLOGY,  
CRABS

1967 ANDREWS JD  
INTERACTION OF TWO DISEASES OF OYSTERS IN NATURAL WATERS  
NATL SHELLFISH ASSOC PROC 57, 38-49 (VIMS CONTR 207)

DERMOCYSTIDIUM, MSX, OYSTERS, YORK RIVER

1968 SINDERMAN CJ  
OYSTER MORTALITIES WITH PARTICULAR REFERENCE TO CHESAPEAKE BAY AND THE  
ATLANTIC COAST OF NORTH AMERICA  
SF AND WS SPEC SCI REPT FISHERIES 569

CHESAPEAKE BAY, DERMOCYSTIDIUM, MORTALITY, MSX, OYSTER INDUSTRY, OYSTERS

1969 PERKINS FO  
ULTRASTRUCTURE OF VEGETATIVE STAGES IN LABYRINTHOMYXA MARINA  
(DERMOCYSTIDIUM MARINUM), A COMMERCIALY SIGNIFICANT OYSTER PATHOGEN  
J INVERT PATHOL 13, 199-222 (VIMS CONTR 299)

DERMOCYSTIDIUM, OYSTERS, PATHOLOGY

1969 PERKINS FO  
ULTRASTRUCTURE OF VEGETATIVE STAGES IN LABYRINTHOMYXA MARINA  
(DERMOCYSTIDIUM MARINUM), A COMMERCIALY SIGNIFICANT OYSTER PATHOGEN  
J INVERT PATHOL 13, 199-222 (VIMS CONTR 299)

DERMOCYSTIDIUM, OYSTERS, PATHOLOGY

\*\*\*\*\* DESIGN FLOOD

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1970 UNITED STATES ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT  
FLOOD PLAIN INFORMATION, RAPPAHANNOCK RIVER, FREDERICKSBURG, SPOTSYLVANIA  
AND STAFFORD COUNTIES, VIRGINIA  
UNNUMBERED REPT

DAMS, DESIGN FLOOD, FLOOD CONTROL, FLOOD PLAINS, RAPPAHANNOCK RIVER,  
REGIONAL FLOOD

\*\*\*\*\* DIATOMACEOUS EARTH

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1880 MICHELS J  
RICHMOND DIATOMACEOUS EARTH  
SCIENCE (NY) 1, 222

DIATOMACEOUS EARTH, JAMES RIVER

1876 CORYELL M  
DIATOMACEOUS SANDS OF RICHMOND, VIRGINIA  
AMER INST MINING ENGINEERS TRANS 4, 230-232

DIATOMACEOUS EARTH, JAMES RIVER, SANDS

1911 DARTON NH  
ECONOMIC GEOLOGY OF RICHMOND, VIRGINIA, AND VICINITY  
US GEOL SURV BULL 483

CLAYS, DIATOMACEOUS EARTH, EARTH MATERIALS, ECONOMICS, GEOLOGIC  
FORMATIONS, GRANITES, JAMES RIVER

1965 PHARR RF  
DIATOMACEOUS SEDIMENTS IN VIRGINIA  
VA MINERALS 11, 25-31

ATLANTIC COASTAL PLAIN, DIATOMACEOUS EARTH, SEDIMENTARY PETROLOGY,  
VIRGINIA

## \*\*\*\*\* DIELDRIN \*\*\*\*\*

1971 VIRGINIA DEPARTMENT OF AGRICULTURE AND COMMERCE  
RULES AND REGULATIONS FOR ENFORCEMENT OF THE VIRGINIA PESTICIDE LAW  
DIVISION OF REGULATORY SERVICES, RICHMOND, VA.

ANIMAL CONTROL, ARSENIC COMPOUNDS, AVICIDES, BRUSH CONTROL, CHLORINATED  
HYDROCARBON PESTICIDESDDT, DIELDRIN, LEGAL ASPECTS, PESTICIDES, VIRGINIA

## \*\*\*\*\* DIFFUSION \*\*\*\*\*

1959 CLINE CH, FISHER LJ  
FLUSHING TIME AND DISPERSION OF CONTAMINANTS IN TIDAL WATERS WITH  
APPLICATION TO THE JAMES RIVER  
US NAVY HYDROGRAPHIC OFFICE, UNPUBL MS

DIFFUSION, DISPERSION, FLOW CHARACTERISTICS, JAMES RIVER, WATER POLLUTION

## \*\*\*\*\* DINOFLAGELLATES \*\*\*\*\*

1952 VIRGINIA FISHERIES LABORATORY  
INSHORE SURVEY PROGRAM REPORT 13--BIOLUMINESCENCE IN THE CHESAPEAKE  
BAY...  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY REFERENCE 52-17

BIOLUMINESCENCE, CHESAPEAKE BAY, CTENOPHORES, DINOFLAGELLATES, SCYPHOZOA

1968 MACKIERNAN GB  
SEASONAL DISTRIBUTION OF DINOFLAGELLATES IN THE LOWER YORK RIVER,  
VIRGINIA  
VIMS THESIS

DINOFLAGELLATES, DISTRIBUTION, YORK RIVER, SEASONAL DISTRIBUTION,  
PHYTOPLANKTON

## \*\*\*\*\* DIQUAT \*\*\*\*\*

1969 HAVEN DS  
LEVELS OF THE HERBICIDE DIQUAT IN TWO ESTUARINE MOLLUSCS AND IN THE WATER  
AND MUD  
VIRGINIA J SCIENCE 20, 51-53 (VIMS CONTR 308)

DIQUAT, HERBICIDES, OYSTERS, POTOMAC RIVER, SOFT CLAM

## \*\*\*\*\* DISCHARGE MEASUREMENT \*\*\*\*\*

1944 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1927-1942  
VA DIV WATER RESOURCES AND POWER BULL 5

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
THERMAL CONDUCTIVITY

1957 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1951-1955  
VA DIV WATER RESOURCES AND POWER BULL 17

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
THERMAL CONDUCTIVITY

1961 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1956-1960  
VA DIV WATER RESOURCES AND POWER BULL 25

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
THERMAL CONDUCTIVITY

1970 VIRGINIA DIVISION OF WATER RESOURCES  
FLOW CHARACTERISTICS OF VIRGINIA STREAMS  
VA DIVISION OF WATER RESOURCES BASIC DATA BULL 34

DISCHARGE MEASUREMENT, JAMES RIVER, SUPERIMPOSED DRAINAGE, VIRGINIA

## \*\*\*\*\* DISCHARGE (WATER) \*\*\*\*\*

1927 DIRZULAITIS JJ, STEVENS GC  
WATER RESOURCES OF VIRGINIA  
VA GEOL SURVEY BULL 31

DISCHARGE (WATER), SUPERIMPOSED DRAINAGE, TANGIBLE COSTS, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER RESOURCES, WATER RESOURCES DEVELOPMENT

1932 COLLINS WD ET AL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA  
VA DIVISION OF WATER RESOURCES AND POWER BULL 3

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER UTILIZATION

1947 LAMAR WL, WHETSTONE GW  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1945-1946  
VA DIVISION OF WATER RESOURCES AND POWER BULL 8

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1952 WHETSTONE GW, MCAVOY RL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1946-1948  
VA DIVISION OF WATER RESOURCES BULL 11

CHEMICAL ANALYSIS, DISCHARGE (WATER), JAMES RIVER, SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

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1957 CONNOR JG, SCHROEDER ME  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1948-1951  
VA DIVISION OF WATER RESOURCES BULL 20

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 KAPUSTKA SF  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1954-1956  
VA DIVISION OF WATER RESOURCES BULL 22

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 SCHROEDER ME, KAPUSTKA SF  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1951-1954  
VA DIVISION OF WATER RESOURCES BULL 21

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1959 UNITED STATES GEOLOGICAL SURVEY  
STREAM DISCHARGE ENTERING CHESAPEAKE BAY  
USGS (MONTHLY RELEASES)

CHESAPEAKE BAY, DISCHARGE (WATER), SUPERIMPOSED DRAINAGE, TRIBUTARIES

1960 VIRGINIA DIV OF WATER RESOURCES  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA AUG 1958-FEB 1960  
VA DIV WATER RESOURCES BULL 23

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1965 UNITED STATES GEOLOGICAL SURVEY  
WATER RESOURCES DATA FOR VIRGINIA--1965  
WATER RESOURCES DIVISION

DISCHARGE (WATER), GAGING STATIONS, THEIS EQUATION, VIRGINIA, WATER  
QUALITY, WATER SUPPLY

1967-UNITED STATES GEOLOGICAL SURVEY  
ESTIMATED STREAM DISCHARGE ENTERING CHESAPEAKE BAY  
USGS MONTHLY RELEASE

CHESAPEAKE BAY, DISCHARGE (WATER), MARYLAND, PENNSYLVANIA, SALT BALANCE,  
VIRGINIA

116

1969 UNITED STATES GEOLOGICAL SURVEY  
WATER RESOURCES DATA FOR VIRGINIA--1968  
WATER RESOURCES DIVISION

DISCHARGE (WATER), GAGING STATIONS, THEIS EQUATION, VIRGINIA, WATER  
QUALITY, WATER SUPPLY

1971 ELDER RB  
THE EFFECT OF RUN-OFF FROM HURRICANE CAMILLE ON THE CONTINENTAL SHELF  
WATERS OF THE CHESAPEAKE BIGHT  
VIMS THESIS

DISCHARGE (WATER), HURRICANES, JAMES RIVER, THEIS EQUATION, YORK RIVER

\*\*\*\*\* DISMAL SWAMP (NC-VA) \*\*\*\*\*

1971 ANDREWS JD  
FISH FOR BEAUTY IN DISMAL SWAMP...  
VIRGINIA JOURNAL OF SCIENCE 22, 5-13

CONSERVATION, ECOLOGY, FRESHWATER FISH, DISMAL SWAMP (NC-VA), WILDLIFE,  
WETLANDS

\*\*\*\*\* DISPERSION \*\*\*\*\*

1959 CLINE CH, FISHER LJ  
FLUSHING TIME AND DISPERSION OF CONTAMINANTS IN TIDAL WATERS WITH  
APPLICATION TO THE JAMES RIVER  
US NAVY HYDROGRAPHIC OFFICE, UNPUBL MS

DIFFUSION, DISPERSION, FLOW CHARACTERISTICS, JAMES RIVER, WATER POLLUTION

\*\*\*\*\* DISSOLVED OXYGEN \*\*\*\*\*

1967-DAVIS J  
ANADROMOUS FISH PROJECT, BIOLOGY AND UTILIZATION OF ANADROMOUS ALOSIDS  
UNPUBL PROG REPTS, VIMS, 1967--

ALOSIDS, ANADROMOUS FISH, DISSOLVED OXYGEN, TRIBUTARIES, VIRGINIA

1971 HYER PV ET AL  
HYDROGRAPHY AND HYDRODYNAMICS OF VIRGINIA ESTUARIES. II. STUDIES OF THE  
DISTRIBUTION OF SALINITY AND DISSOLVED OXYGEN IN THE UPPER YORK SYSTEM  
VIMS SPEC REPT APPL MAR SCI AND OCEAN ENGRNG 13

COMPUTER PROGRAMS, DISSOLVED OXYGEN, ESTUARIES, HYDROGRAPHY, MATHEMATICAL  
MODELS, MATTAPONI RIVER, PAMUNKEY RIVER, SALINITY, YORK RIVER

1972 SCHUBEL JR  
THE PHYSICAL AND CHEMICAL CONDITIONS OF CHESAPEAKE BAY--AN EVALUATION  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY, SPECIAL REPT 21

CHESAPEAKE BAY, DISSOLVED OXYGEN, NUTRIENTS, SALINITY, SEASONAL  
DISTRIBUTION, SEDIMENTATION, SHALLOW WELLS, SILVERSIDES

## \*\*\*\*\* DISTRIBUTION

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 210-216

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 216-234

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 200-210

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 192-197

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, MULLET

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 197-199

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 199-200

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 164-178

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FLATFISH, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 178-187

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SUBSIDENCE

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 187-192

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SOIL CEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 151-152

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 152-154

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 134-145

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
KILLIFISHES

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 145-147

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 147-151

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 129-130

CATFISHES, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 130-131

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 132-134

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, PIKE, TROUT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 117-120

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TARIFF

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 120-127

CARP, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 127-129

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 102-105

ANADROMOUS FISH, ATLANTIC MENHADEN, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 108-111

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 85-89

ANADROMOUS FISH, BLUEBACK HERRING, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 89-93

ALEWIVES, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY,  
HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 93-100

AMERICAN SHAD, ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 77-78

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FRESHWATER FISH, GARS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 78-80

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 81-115

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 44-54

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SNOW COVER

121

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 55-72

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SOIL DENSITY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 72-77

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 42-43

AQUATIC ANIMALS, CHESAPEAKE BAY, DISTRIBUTION

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 43-44

ANADROMOUS FISH, CHESAPEAKE BAY, DISTRIBUTION, LAMPREYS, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 234-236

CHESAPEAKE BAY, COBIA, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 236-238

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 238-244

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TENSILE STRESS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 244-247

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, STREAM IMPROVEMENT, WHITE PERCH

122

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 247-249

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, STREAM IMPROVEMENT, SURFACE TENSION

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 250-253

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SEA BASSES

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 253-268

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 261-265

CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SCUP

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269-271

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-276

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, STREAMBEDS

123

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 283-287

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, CROAKER,  
DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 296-299

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAMFLOW FORECASTING

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 300-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, GREY SEA TROUT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 305-312

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 312-316

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 316-317

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 317-321

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

124

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 321-322

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 322-328

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 328-329

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 329-353

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 353-354

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 354-355

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1939 NEWCOMBE CL, LANG AG  
THE DISTRIBUTION OF PHOSPHATES IN THE CHESAPEAKE BAY  
AMER PHILOSOPH SOC, PROC, 81, 393-420 (CHES BIOL LAB CONTR 28)

CHESAPEAKE BAY, DISTRIBUTION, PHOSPHATES, SEASONAL DISTRIBUTION

1951 ANDREWS JD, COOK C  
RANGE AND HABITAT OF THE CLAM, POLYHESODA CAROLINIANA (BOSC) IN  
VIRGINIA...  
ECOLOGY 32, 758-760 (VIMS CONTR 35)

CLAMS, DISTRIBUTION, HABITATS, JAMES RIVER, SOCIAL ASPECTS

1951 HOPKINS TC JR, BURT WV  
INSHORE SURVEY PROGRAM INTERIM REPORT III  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY, REFERENCE 51-8

BATHYTHERMOGRAPHS, CHESAPEAKE BAY, DISTRIBUTION, SALINITY, SEASONAL,  
SHALLOW WELLS

1953 MASSMANN WH  
RELATIVE ABUNDANCE OF YOUNG FISHES IN VIRGINIA ESTUARIES  
NORTH AMER WILDLIFE CONF TRANS, 18TH, 439-449 (VIMS CONTR 46)

COMMERCIAL FISH, DISTRIBUTION, ESTUARIES, JUVENILE FISHES, VIRGINIA

1954 MASSMANN WH  
MARINE FISHES IN FRESH AND BRACKISH WATERS OF VIRGINIA RIVERS  
ECOLOGY 35, 75-78 (VIMS CONTR 47)

DISTRIBUTION, ESTUARIES, MARINE FISH, VIRGINIA

1957 HAVEN DS  
DISTRIBUTION, GROWTH, AND AVAILABILITY OF JUVENILE CROAKER, MICROPOGON  
UNDULATUS, IN VIRGINIA  
ECOLOGY 38, 88-97 (VIMS CONTR 68)

CROAKER, DISTRIBUTION, ESTUARIES, JUVENILE FISHES, VIRGINIA

1961 BOWMAN TE  
THE COPEPOD GENUS ACARTIA IN CHESAPEAKE BAY  
CHES SCI 2, 206-207

CHESAPEAKE BAY, COPEPODS, DISTRIBUTION, ZOOPLANKTON

1961 PATTEN BC, LACEY JR  
DISTRIBUTION OF AMMONIA NITROGEN IN THE LOWER YORK RIVER, VIRGINIA  
VIMS SPECIAL SCIENTIFIC REPT 25

AMMONIA, DATA COLLECTIONS, DISTRIBUTION, NITRATES, SALTATION, STRUCTURAL  
SHAPES, YORK RIVER

1962 MULFORD RA  
DIATOMS FROM VIRGINIA TIDAL WATERS  
VIMS SPECIAL SCIENTIFIC REPORT 30

DISTRIBUTION, PHYTOPLANKTON, SAMPLING, YORK RIVER

1962 MASSMANN WH  
WATER TEMPERATURES, SALINITIES, AND FISHES COLLECTED DURING TRAWL SURVEYS  
OF CHESAPEAKE BAY AND YORK AND PAMUNKEY RIVERS, 1956-1959  
VIMS SPECIAL SCIENTIFIC REPORT 27

CHESAPEAKE BAY, DISTRIBUTION, ON-SITE DATA COLLECTIONS, PAMUNKEY RIVER,  
SALINITY, SAMPLING, YORK RIVER

1963 BOWMAN TE ET AL  
NOTES ON ASSOCIATIONS BETWEEN HYPERIID AMPHIPODS AND MEDUSAE IN  
CHESAPEAKE AND NARRAGANSETT BAYS AND THE NIANITIC RIVER  
CHESAPEAKE SCIENCE 4, 141-146 (CONTR 239, CHES BIOL LAB, SOLOMONS,  
MARYLAND)

AMPHIPODA, CHESAPEAKE BAY, DISTRIBUTION, SEA NETTLES, SCYPHOZOA

1965 ELLISON R ET AL  
DISTRIBUTION OF RECENT FORAMINIFERA IN THE RAPPAHANNOCK RIVER ESTUARY  
VIMS SPECIAL SCIENTIFIC REPT 47

DATA COLLECTIONS, DISTRIBUTION, ESTUARIES, FORAMINIFERA, RAPPAHANNOCK  
RIVER, SEDIMENTS

1966 MARSHALL HG  
THE DISTRIBUTION OF PHYTOPLANKTON ALONG A 140 MILE TRANSECT IN THE  
CHESAPEAKE BAY  
VIRGINIA J SCIENCE 17, 105-119

CHESAPEAKE BAY, DISTRIBUTION, PHYTOPLANKTON, SAMPLING

1966 CASTAGNA M, CHANLEY P  
SALINITY TOLERANCE AND DISTRIBUTION OF SPISULA SOLIDISSIMA, MULINIA  
LATERALIS AND RANGIA CUNEATA, FAMILY MACTRIDAE  
VIMS CONTR 245

CLAMS, DISTRIBUTION, SALINITY, SALT TOLERANCE

1968 MACKIERNAN GB  
SEASONAL DISTRIBUTION OF DINOFLAGELLATES IN THE LOWER YORK RIVER,  
VIRGINIA  
VIMS THESIS

DINOFLAGELLATES, DISTRIBUTION, YORK RIVER, SEASONAL DISTRIBUTION,  
PHYTOPLANKTON

1969 WARINNER JE, MILLER JP, DAVIS J  
DISTRIBUTION OF JUVENILE RIVER HERRING IN THE POTOMAC RIVER  
VIMS CONTR 327

ALEWIVES, BLUEBACK HERRING, DISTRIBUTION, POTOMAC RIVER, SAMPLING

1969 WARINNER JE, MILLER JP, DAVIS J  
DISTRIBUTION OF JUVENILE RIVER HERRING IN THE POTOMAC RIVER  
VIMS CONTR 327

ALEWIVES, BLUEBACK HERRING, DISTRIBUTION, POTOMAC RIVER, SAMPLING



1970 CALDER DR  
NORTH AMERICAN RECORD OF THE HYDROID PROBOSCIDA CTYLA ORNATA (HYDROZOA,  
PROBOSCIDA CTYLIDAE)  
CHES SCI 11, 130-140 (VIMS CONTR 344)

DISTRIBUTION, HYDROZOA, JAMES RIVER, YORK RIVER

1971 KERWIN JA  
DISTRIBUTION OF THE FIDDLER CRAB (UCA MINAX) IN RELATION TO MARSH PLANTS  
WITHIN A VIRGINIA ESTUARY  
CHES SCI 12, 180-183 (VIMS CONTR 396)

CRABS, DISTRIBUTION, MARSH PLANTS, WETLANDS, YORK RIVER

1971 JOHNSON MF  
THE GENERA CARPHEPHORUS, MIKANIA AND KUHNIA (EUPATORIEAE-ASTERACEAE) IN  
VIRGINIA  
VA J SCIENCE 22, 38-41

DISTRIBUTION, PLANT GROUPINGS, PLANTS, THUNDERSTORMS, VIRGINIA

\*\*\*\*\* DISTRIBUTION PATTERNS \*\*\*\*\*

1951 ANDREWS JD  
SEASONAL PATTERNS OF OYSTER SETTING IN THE JAMES RIVER AND CHESAPEAKE BAY  
ECOLOGY 32, 752-758 (VIMS CONTR 34)

JAMES RIVER, OYSTERS, SEASONAL DISTRIBUTION, OYSTER SETTING, DISTRIBUTION  
PATTERNS

1967 ANDREWS JD  
OYSTER MORTALITY STUDIES IN VIRGINIA. 6. HISTORY AND DISTRIBUTION OF  
MINCHINIA NELSONI, A PATHOGEN OF OYSTERS, IN VIRGINIA  
CHESAPEAKE SCIENCE 8, 1-13 (VIMS CONTR 225)

JAMES RIVER, MSX, OYSTERS, ANIMAL PATHOLOGY, MORTALITY, DISTRIBUTION  
PATTERNS, PROTOZOA

1969 GORDON CM  
THE APPARENT INFLUENCE OF SALINITY ON THE DISTRIBUTION OF BARNACLE  
SPECIES IN CHESAPEAKE BAY (CIRRIPIEDIA)  
CRUSTACEANA 16, 139-142

BARNACLES, BENTHOS, CHESAPEAKE BAY, DISTRIBUTION PATTERNS, SALINITY

1969 BOUSFIELD EL  
NEW RECORDS OF GAMMARUS (CRUSTACEA&AMPHIPODA) FROM THE MIDDLE ATLANTIC  
REGION  
HES SCI 10, 1-17

AMPHIPODA, CHESAPEAKE BAY, DISTRIBUTION PATTERNS, JAMES RIVER, PATUXENT  
RIVER, POTOMAC RIVER, RAPPAHANNOCK RIVER, WATER EQUIVALENT, YORK RIVER

1969 CALDER DR, BURRELL VG  
BRACKISH WATER HYDROMEDUSA MAEOTIAS INEXPECTATA IN NORTH AMERICA  
NATURE 222(5194), 694-695 (VIMS CONTR 320)

HYDROZOA, PAMUNKEY RIVER, VIRGINIA, DISTRIBUTION PATTERNS

1971 FEELEY JB, WASS ML  
THE DISTRIBUTION AND ECOLOGY OF THE GAMMARIDEA (CRUSTACEA&AMPHIPODA) OF  
THE LOWER CHESAPEAKE ESTUARIES  
IMS SPEC PAPERS IN MAR SCI 2

AMPHIPODA, CHESAPEAKE BAY, DISTRIBUTION PATTERNS, JAMES RIVER, PAMUNKEY  
RIVER, RAPPAHANNOCK RIVER, YORK RIVER

\*\*\*\*\* DIURNAL \*\*\*\*\*

1969 SOUTH WD  
INVESTIGATION OF THE EFFECT OF MILL WASTE ON WATER QUALITY IN THE  
PAMUNKEY AND YORK RIVERS  
THE CHESAPEAKE CORP OF VIRGINIA, WEST POINT, VIRGINIA

DIURNAL, INDUSTRIAL WASTES, PULP WASTES, WASTE ASSIMILATIVE CAPACITY,  
WATER QUALITY CONTROL, YORK RIVER

\*\*\*\*\* DIURNAL DISTRIBUTION \*\*\*\*\*

1950 SETTE DE  
BIOLOGY OF THE ATLANTIC MACKEREL (SCOMBER SCOMBRUS) OF NORTH AMERICA  
USF AND WS FISHERY BULL 51

BIOLOGY, DIURNAL DISTRIBUTION, MIGRATION, SCHOOLS (FISH)

1966 MARSHALL HG  
DIURNAL DISTRIBUTION OF PHYTOPLANKTON FROM A SINGLE STATION AT THE MOUTH  
OF THE JAMES RIVER  
OHIO J OF SCIENCE 66, 253-255

DIURNAL DISTRIBUTION, JAMES RIVER, PHYTOPLANKTON

\*\*\*\*\* DIVERSIFICATION \*\*\*\*\*

1966 PATTEN BC  
THE BIOGENETIC PROCESS IN AN ESTUARINE PHYTOPLANKTON COMMUNITY  
VIMS CONTR 160 COO11

CHLOROPHYLL, DIVERSIFICATION, ECOSYSTEMS, HYDROGRAPHY, LABORATORY TESTS,  
NUTRIENTS, PHYTOPLANKTON, PRODUCTIVITY, SESTON

## \*\*\*\*\* DOCKS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
ERECTOR OF MOORING DOLPHIN, HAMPTON BAR  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMM., 27OCT, 24NOV

DOCKS, JAMES RIVER, NAVIGABLE WATERS

## \*\*\*\*\* DRAINAGE

1906 GROVER NC, BOLSTER RH  
HYDROGRAPHY OF VIRGINIA  
VA GEOLOGICAL SURVEY BULL 3

DRAINAGE, JAMES RIVER, RIVER BASINS

1932 LOOSANOFF VL  
OBSERVATIONS ON PROPAGATION OF OYSTERS IN JAMES AND CORROTOMAN RIVERS AND  
THE SEASIDE OF VIRGINIA  
NEWPORT NEWS, VA COMMISSION OF FISHERIES

BEDS UNDER WATER, CORROTOMAN RIVER, DRAINAGE, EASTERN SHORE (VA-MD),  
HYDROGRAPHY, JAMES RIVER, OYSTER INDUSTRY, OYSTERS

1944 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1927-1942  
VA DIV WATER RESOURCES AND POWER BULL 5

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
THERMAL CONDUCTIVITY

1957 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1951-1955  
VA DIV WATER RESOURCES AND POWER BULL 17

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
THERMAL CONDUCTIVITY

1961 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1956-1960  
VA DIV WATER RESOURCES AND POWER BULL 25

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
THERMAL CONDUCTIVITY

## \*\*\*\*\* DRAINAGE PATTERNS (GEOLOGIC)

1970 VIRGINIA DIVISION OF WATER RESOURCES  
JAMES RIVER BASIN COMPREHENSIVE WATER RESOURCES PLAN. VOL 3-HYDROLOGIC  
ANALYSIS  
RICHMOND (ITS PLANNING BULLETIN 215)

CHEMICAL ANALYSIS, DRAINAGE PATTERNS (GEOLOGIC), GROUNDWATER, HYDROLOGIC  
DATA, JAMES RIVER, METEOROLOGICAL DATA, SALINITY, WATER RESOURCES  
DEVELOPMENT

## \*\*\*\*\* DRAINAGE SYSTEMS

1950 MARSHALL N  
MARINE FISHES AND INVERTEBRATES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
139-150

ANADROMOUS FISH, CATCH, DRAINAGE SYSTEMS, FISH TAXONOMY, JAMES RIVER,  
OYSTERS, RIVER BASINS

## \*\*\*\*\* DREDGING

1881 INGERSOLL E  
A REPORT ON THE OYSTER INDUSTRY OF THE UNITED STATES  
US DEPARTMENT OF THE INTERIOR

COMMERCIAL FISHING, DREDGING, JAMES RIVER, OYSTER INDUSTRY, UNITED  
STATES, VIRGINIA

1957 ANDREWS JD ET AL  
INVESTIGATIONS OF THE EFFECTS ON OYSTER CULTURE OF THE DREDGING FOR THE  
HAMPTON ROADS BRIDGE-TUNNEL  
VIMS SPEC SCIENTIFIC REPT 12

BEDS UNDER WATER, CHESAPEAKE BAY, DREDGING, MORTALITY

1963 VIRGINIA COMMISSION TO STUDY MATTERS PERTAINING TO THE JAMES RIVER  
DEEPENING THE JAMES RIVER CHANNEL. REPORT...TO THE GOVERNOR AND GENERAL  
ASSEMBLY OF VIRGINIA  
RICHMOND, BY THE COMMONWEALTH

CHANNEL IMPROVEMENT, DREDGING, JAMES RIVER

1967  
NORFOLK DREDGING CO V RADCLIFF MATERIALS INC  
264 FSUPP 399

DREDGING, ELIZABETH RIVER, JAMES RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS

1969  
DREDGING FOR OYSTERS IN JAMES RIVER  
VA CODE, 1950, 28.1-146

BEDS UNDER WATER, DREDGING, JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY,  
PUBLIC LANDS

1969  
AUTHORITY OF GOVERNOR TO AUTHORIZE DREDGING OF CHANNEL IN NAVIGABLE  
WATERS-SPECIAL PROVISIONS APPLICABLE TO JAMES RIVER BETWEEN JAMES RIVER  
BRIDGE AND JAMESTOWN ISLAND  
VA CODE, 1950, 28.1-147

CHANNEL IMPROVEMENT, DREDGING, JAMES RIVER, LEGAL ASPECTS

1969 VIRGINIA MARINE RESOURCES COMMISSION  
DREDGE AND FILL PROJECTS JAMES RIVER  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMM., 24JUNE, 22JULY

DREDGING, JAMES RIVER, LANDFILLS, RIPARIAN RIGHTS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DREDGING AND DEVELOPMENT IN CHICKAHOMINY RIVER  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION-- 28APR, 26MAY,  
28JULY, 23SEPT

CHICKAHOMINY RIVER, DREDGING, JAMES RIVER, LAND DEVELOPMENT, WETLANDS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DREDGING OF FILL FOR HAMPTON ROADS BRIDGE-TUNNEL  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMM., 28APR

BRIDGE CONSTRUCTION, CHESAPEAKE BAY, DREDGING, JAMES RIVER, LANDFILLS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DREDGING OF CHANNEL IN BUSHY PARK CREEK (RAPPAHANNOCK RIVER)  
MINUTES OF MEETINGS, 27 JANUARY, 23 JULY

DREDGING, RAPPAHANNOCK RIVER, RIPARIAN RIGHTS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DISPOSAL OF SPOIL IN CONNECTION WITH MARINA IMPROVEMENT, FISHERMAN'S  
CREEK, LITTLE CREEK, CHESAPEAKE BAY  
MINUTES OF MEETINGS, 27 OCTOBER, 24 NOVEMBER

CHESAPEAKE BAY, DREDGING, MARINAS, STREAM FISHERIES

1970 ANON  
CHESAPEAKE BAY FIGHTS FOR ITS LIFE  
BUSINESS WEEK 2114, 40-44

CRAB INDUSTRY, DREDGING, OYSTER INDUSTRY, POLLUTANTS, POPULATION, SIEVE  
ANALYSIS, WILDLIFE, INDUSTRIAL FISH

1971 UNITED STATES ARMY CORPS OF ENGINEERS  
FINAL ENVIRONMENTAL STATEMENT, TASKINAS CREEK, JAMES CITY COUNTY,  
VIRGINIA  
NORFOLK DISTRICT

DREDGING, ENVIRONMENTAL EFFECTS, RECREATION FACILITIES, YORK RIVER

1971 MASSMANN WH  
THE SIGNIFICANCE OF AN ESTUARY ON THE BIOLOGY OF AQUATIC ORGANISMS OF THE  
MIDDLE ATLANTIC REGION  
SYMPOSIUM ON THE BIOLOGICAL SIGNIFICANCE OF ESTUARIES, SPORT FISHING INST.  
DOUGLAS PA, STROUD RH EDS 96-109

BIOLOGY, CHEMICALS, DREDGING, ESTUARIES, MARYLAND, VIRGINIA, WATER  
QUALITY, WILD RIVERS

\*\*\*\*\* DROUGHTS

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1965 NORTON W  
DISTRIBUTION VARIATIONS OF ESTUARINE BENTHONIC FORAMINIFERA IN A CHANGING  
ENVIRONMENT  
VIMS MS

BENTHIC FAUNA, DROUGHTS, ESTUARINE ENVIRONMENT, FORAMINIFERA, JAMES  
RIVER, SALINE WATER INTRUSION

\*\*\*\*\* DYE RELEASES

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1960 CLINE CH, MALONEY WE  
FIELD REPORT, JAMES RIVER DYE DISPERSAL TESTS  
US NAVY HYDROGRAPHIC OFFICE, UNPUBL MS

DYE RELEASES, JAMES RIVER, WASTE ASSIMILATIVE CAPACITY

1971 HARRISON W, FANG CS  
HYDROGRAPHY AND HYDRODYNAMICS OF VIRGINIA ESTUARIES. I. OXYGEN BALANCE  
AND DYE-TRACER STUDIES AT THE CONFLUENCE OF THE YORK, PAMUNKEY...  
VIMS SPEC REPT IN AMSOE 11

COMPUTER PROGRAMS, DATA COLLECTIONS, DYE RELEASES, HYDROGRAPH ANALYSIS,  
MATHEMATICAL MODELS, OXYGEN DEMAND, PHOTOGRAPHY, YORK RIVER

## \*\*\*\*\* EARTH MATERIALS

1911 DARTON NH  
ECONOMIC GEOLOGY OF RICHMOND, VIRGINIA, AND VICINITY  
US GEOL SURV BULL 483

CLAYS, DIATOMACEOUS EARTH, EARTH MATERIALS, ECONOMICS, GEOLOGIC  
FORMATIONS, GRANITES, JAMES RIVER

1912 CLARK WB, MILLER BL  
PHYSIOGRAPHY AND GEOLOGY OF THE COASTAL PLAIN PROVINCE OF VIRGINIA...  
VA GEOL SURVY BULL 4

ATLANTIC COASTAL PLAIN, EARTH MATERIALS, GEOLOGIC FORMATIONS, GEOLOGY,  
GEOMORPHOLOGY, MINERAL INDUSTRY, PALEONTOLOGY, SEDIMENTARY PETROLOGY,  
VIRGINIA

## \*\*\*\*\* EARTHQUAKES

1940 HECK NH  
EARTHQUAKE PROBLEMS OF THE ATLANTIC COASTAL PLAIN  
SEISMOLOGICAL SOC AMER BULL 30, 109-113

ATLANTIC COASTAL PLAIN, EARTHQUAKES

## \*\*\*\*\* EASTERN SHORE (VA-MD)

1924 EARLE S  
THE CHESAPEAKE BAY COUNTRY  
THOMSEN-ELLIS CO., BALTIMORE, MARYLAND

CHESAPEAKE BAY, EASTERN SHORE (VA-MD), HISTORY, MARYLAND, RIVERS,  
VIRGINIA

1932 LOOSANOFF VL  
OBSERVATIONS ON PROPAGATION OF OYSTERS IN JAMES AND CORROTOMAN RIVERS AND  
THE SEASIDE OF VIRGINIA  
NEWPORT NEWS, VA COMMISSION OF FISHERIES

BEDS UNDER WATER, CORROTOMAN RIVER, DRAINAGE, EASTERN SHORE (VA-MD),  
HYDROGRAPHY, JAMES RIVER, OYSTER INDUSTRY, OYSTERS

1944 FOOTNER H  
RIVERS OF THE EASTERN SHORE  
CAMBRIDGE, MD, TIDENATER PUBL

CHESAPEAKE BAY, EASTERN SHORE (VA-MD), HISTORY

1950 CLARK CB  
THE EASTERN SHORE OF MARYLAND AND VIRGINIA, VOL II  
LEWIS HISTORICAL PUBLISHING CO., NEW YORK

EASTERN SHORE (VA-MD), HISTORY, MARYLAND, VIRGINIA

1950 CLARK CB  
THE EASTERN SHORE OF MARYLAND AND VIRGINIA, VOL I  
LEWIS HISTORICAL PUBLISHING CO., NEW YORK

EASTERN SHORE (VA-MD), HISTORY, MARYLAND, VIRGINIA

1962 HOPKINS SH  
DISTRIBUTION OF SPECIES OF CLIONA (BORING SPONGE) ON THE EASTERN SHORE OF  
VIRGINIA IN RELATION TO SALINITY  
CHES SCI 3, 121-124

BENTHIC FAUNA, EASTERN SHORE (VA-MD), PREDATION, SALINITY, TURBIDITY

1962 HUMM HJ  
MARINE ALGAE OF VIRGINIA AS A SOURCE OF AGAR AND AGAROIDS  
VIMS SPEC SCI REPT 37

EASTERN SHORE (VA-MD), MARINE ALGAE

1963 BOWDEN EV  
DEVELOPMENT OPPORTUNITIES FOR VIRGINIA'S EASTERN SHORE  
OLD DOMINION COLLEGE, NORFOLK, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT OPPORTUNITIES,  
GEOGRAPHICAL REGIONS, INDUSTRIAL PRODUCTION, RECREATION, TOURISM

1965 WASS ML  
CHECK LIST OF THE MARINE INVERTEBRATES OF VIRGINIA  
VIMS SPEC SCIENTIFIC REPT 24 (THIRD REV)

BENTHIC FAUNA, CLASSIFICATION, EASTERN SHORE (VA-MD), GASTROPODS,  
INVERTEBRATES, VIRGINIA

1965 RICHARDS CE  
AVAILABILITY PATTERNS OF MARINE FISHES CAUGHT BY CHARTER BOATS OPERATING  
OFF VIRGINIA'S EASTERN SHORE, 1955-1962  
CHES SCI 6, 96-108 (VIMS CONTR 184)

CATCH, EASTERN SHORE (VA-MD), STREAM STABILIZATION

1965 HARVILL AM JR  
THE VEGETATION OF PARRAMORE ISLAND, VIRGINIA  
CASTANEA 30, 226-228 (VIMS CONTR 199)

EASTERN SHORE (VA-MD), PLANTS, VEGETATION, BARRIER ISLANDS

135

1968 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ECONOMIC DATA SUMMARY--ACCOMACK COUNTY  
RICHMOND, VIRGINIA F0012

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT, POPULATION  
DYNAMICS, VIRGINIA

1968 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ECONOMIC DATA SUMMARY--ACCOMACK COUNTY  
RICHMOND, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT, POPULATION  
DYNAMICS, VIRGINIA

1968 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ECONOMIC DATA SUMMARY--NORTHAMPTON COUNTY  
RICHMOND, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT, POPULATION  
DYNAMICS, VIRGINIA

1969  
EXEMPTED WATERS (CULLING LAW)  
VA CODE, 1950, 28.1-126

EASTERN SHORE (VA-MD), JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY,  
RAPPAHANNOCK RIVER

1970  
SEASON FOR TAKING OYSTERS FROM PUBLIC ROCK  
VA CODE, 1950, 28.1-82

BEDS UNDER WATER, CHESAPEAKE BAY, EASTERN SHORE (VA-MD), JAMES RIVER,  
LEGAL ASPECTS, OYSTER INDUSTRY, PUBLIC LANDS, VIRGINIA

1970 VIRGINIA INSTITUTE OF MARINE SCIENCE  
HARD CLAM CULTURE METHOD DEVELOPED AT VIMS  
VIMS, MARINE RESOURCES ADVISORY SERIES 4

BEDS UNDER WATER, CLAM INDUSTRY, COMMERCIAL FISHING, EASTERN SHORE  
(VA-MD)

1970 RICHARDS CE, CASTAGNA M  
MARINE FISHES OF VIRGINIA'S EASTERN SHORE (INLET AND MARSH, SEASIDE  
WATERS)  
CHES SCI 11, 235-248 (VIMS CONTR 364)

EASTERN SHORE (VA-MD), FISH MIGRATION, MARINE FISH

136

1971 CHANLEY P, CASTAGNA M  
LARVAL DEVELOPMENT OF THE STOUT RAZOR CLAM, TAGELUS PLEBEIUS SOLANDER  
(SOLECURTIDAE, BIVALVIA)  
CHES SCI 12, 167-172 (VIMS CONTR 380)

CLAMS, EASTERN SHORE (VA-MD), LARVAL GROWTH STAGE, VIRGINIA

1971 UNITED STATES ARMY CORPS OF ENGINEERS  
FLOOD PLAIN INFORMATION--TOWN OF WACHAPREAGUE, VIRGINIA  
NORFOLK DISTRICT

EASTERN SHORE (VA-MD), HISTORIC FLOOD

\*\*\*\*\* ECOLOGICAL DISTRIBUTION \*\*\*\*\*

1952 HOBBS HH, JR, MASSMANN WH  
RIVER SHRIMP, MACROBRACHIUM OHIGNE (SMITH), IN VIRGINIA  
VA J SCIENCE 3, 206-207 (VIMS CONTR 40)

ECOLOGICAL DISTRIBUTION, JAMES RIVER, SOCIAL ASPECTS, SODIUM ARSENITE

1967 FEELEY JB  
THE DISTRIBUTION AND ECOLOGY OF THE GAMMARIDEA (CRUSTACEA- AMPHIPODA) OF  
THE LOWER CHESAPEAKE ESTUARIES  
(VIMS THESIS)

AMPHIPODA, ECOLOGICAL DISTRIBUTION, JAMES RIVER, RAPPAHANNOCK RIVER,  
SALINITY, YORK RIVER

1970 JENSEN LD  
COOLING WATER STUDIES FOR EDISON ELECTRIC INST, INTERIM REPORT SITE 12,  
JAMES RIVER CHESTERFIELD STA, VEPCO  
JOHNS HOPKINS DEPT OF GEOG AND ENVIRON ENGINEERING

COOLING WATER, ECOLOGICAL DISTRIBUTION, JAMES RIVER, WATER CHEMISTRY,  
WATER QUALITY

1970 LOETTERLE LE  
THE VASCULAR FLORA OF JAMESTOWN ISLAND, JAMES CITY COUNTY, VIRGINIA  
WILLIAM AND MARY THESIS

ECOLOGICAL DISTRIBUTION, ISLANDS, JAMES RIVER, MARSH PLANTS, VEGETATION

1971 KERWIN JA, PEDIGO RA  
SYNECOLOGY OF A VIRGINIA SALT MARSH  
CHES SCI 12, 125-130 (VIMS CONTR 397)

ECOLOGICAL DISTRIBUTION, MARSH PLANTS, MOBJACK BAY, PLANT POPULATIONS,  
SALT MARSHES

## \*\*\*\*\* ECOLOGICAL IMPACT

1957 UNITED STATES FISH AND WILDLIFE SERVICE, OFFICE OF RIVER BASIN STUDIES REGION 4  
PRELIMINARY REPORT ON THE CONSIDERED NAVIGATION CHANNEL IMPROVEMENTS, JAMES RIVER VA, IN RELATION TO FISH AND WILDLIFE RESOURCES

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CHANNEL IMPROVEMENT, ECOLOGICAL IMPACT, JAMES RIVER, WILDLIFE CONSERVATION

1966 HARGIS WJ, JR  
FINAL REPORT ON RESULTS OF OPERATION JAMES RIVER  
VIMS SPEC REPT IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING 7

CHANNEL IMPROVEMENT, ECOLOGICAL IMPACT, FUTURE PLANNING (PROJECTED), HYDRAULIC MODELS, JAMES RIVER, OYSTER INDUSTRY, WATER RESOURCES DEVELOPMENT

1968 BURRELL VG JR  
ECOLOGICAL SIGNIFICANCE OF A CTENOPHORE, MNEMIOPSIS LEIDYI (A. AGASSIZ), IN A FISH NURSERY GROUND  
VIMS THESIS

CTENOPHORES, ECOLOGICAL IMPACT, PLANKTON, SALINITY, YORK RIVER

1971 UNITED STATES ARMY CORPS OF ENGINEERS  
ENVIRONMENTAL STATEMENT--CHESAPEAKE BAY HYDRAULIC MODEL, MATAPEAKE, MARYLAND  
BALTIMORE DISTRICT

CHESAPEAKE BAY, ECOLOGICAL IMPACT, ENVIRONMENTAL EFFECTS, HYDRAULIC MODELS, PROJECT FEASIBILITY

## \*\*\*\*\* ECOLOGY

1950 VIRGINIA ACADEMY OF SCIENCE, JAMES RIVER PROJECT COMMITTEE  
JAMES RIVER BASIN, PAST, PRESENT AND FUTURE  
RICHMOND, VA ACAD SCIENCE

ANIMAL POPULATIONS, CONSERVATION, ECOLOGY, GEOLOGIC INVESTIGATIONS, HISTORY, JAMES RIVER, RECREATION, RIVER BASIN DEVELOPMENT, TRANSPORTATION

1971 ANDREWS JD  
FISH FOR BEAUTY IN DISMAL SWAMP...  
VIRGINIA JOURNAL OF SCIENCE 22, 5-13

CONSERVATION, ECOLOGY, FRESHWATER FISH, DISMAL SWAMP (NC-VA), WILDLIFE, WETLANDS

## \*\*\*\*\* ECONOMIC FEASIBILITY

1886 RICHMOND CHAMBER OF COMMERCE  
JAMES RIVER FROM THE HEAD OF TIDE TO HAMPTON ROADS AS A NATIONAL WATERWAY  
RICHMOND, BY THE CHAMBER OF COMMERCE

CHANNEL IMPROVEMENT, ECONOMIC FEASIBILITY, JAMES RIVER, NAVIGABLE RIVERS, WATER RESOURCES DEVELOPMENT

1924 TECHNICAL ADVISORY CORPORATION  
REPORT OF INVESTIGATION WITH REFERENCE TO IMPROVING THE JAMES RIVER.  
SUBMITTED TO THE COMMITTEE ON DOCK, RIVER AND HARBOR...CITY OF RICHMOND  
NEW YORK, TECHN ADVIS CORP REPORT

CANALS, CHANNEL IMPROVEMENT, ECONOMIC FEASIBILITY, JAMES RIVER, NAVIGABLE RIVERS

1925 VIRGINIA DEPARTMENT OF PUBLIC WORKS  
PRELIMINARY SURVEY OF THE JAMES RIVER HARBOR  
RICHMOND, BY THE DEPT

CHANNEL IMPROVEMENT, ECONOMIC FEASIBILITY, HARBORS, JAMES RIVER

1939 BOWERS GM  
JAMES RIVER IMPROVEMENT PROJECT  
MARINE NEWS 26, 35-36

CHANNEL IMPROVEMENT, ECONOMIC FEASIBILITY, JAMES RIVER

1965 HARGIS WJ, JR  
MULTIDISCIPLINARY RESEARCH ON AN ESTUARINE ENGINEERING PROJECT  
VIMS MS, ALSO VPI WATER RESOURCES RESEARCH CENTER BULL 2, 45-66

ECONOMIC FEASIBILITY, ENVIRONMENTAL ENGINEERING, JAMES RIVER, OYSTER INDUSTRY, WATER RESOURCES DEVELOPMENT

## \*\*\*\*\* ECONOMIC IMPACT

1959 WHEATLEY JJ ET AL  
ECONOMIC IMPLICATIONS OF THE YORK RIVER OYSTER INDUSTRY  
UNIVERSITY OF VIRGINIA

BEDS UNDER WATER, ECONOMIC IMPACT, OYSTER INDUSTRY, YORK RIVER

1971 PLEASANTS JB  
THE TIDAL JAMES--A REVIEW  
VIMS SPECIAL REPORT 18 IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING

ECONOMIC IMPACT, ECONOMIC PREDICTION, HISTORY, JAMES RIVER, PROJECTS, WATER QUALITY CONTROL, WATER RESOURCES DEVELOPMENT

## \*\*\*\*\* ECONOMIC PREDICTION

1963 BOWDEN EV  
DEVELOPMENT OPPORTUNITIES FOR VIRGINIA'S EASTERN SHORE  
OLD DOMINION COLLEGE, NORFOLK, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT OPPORTUNITIES,  
GEOGRAPHICAL REGIONS, INDUSTRIAL PRODUCTION, RECREATION, TOURISM

1967 NATIONAL PLANNING ASSOCIATION  
SUMMARY, ECONOMIC BASE STUDY, CHESAPEAKE BAY DRAINAGE BASINS  
WASHINGTON, D.C.

CHESAPEAKE BAY, ECONOMIC PREDICTION, POPULATION DYNAMICS

1967 VIRGINIA GOVERNORS OFFICE  
NEWPORT NEWS-HAMPTON METROPOLITAN AREA PROJECTIONS AND ECONOMIC BASE  
ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1967 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
PETERSBURG-HOPEWELL-COLONIAL HEIGHTS METROPOLITAN AREA PROJECTIONS AND  
ECONOMIC BASE ANALYSIS  
RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ECONOMIC DATA SUMMARY-ACCOMACK COUNTY  
RICHMOND, VIRGINIA F0012

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT, POPULATION  
DYNAMICS, VIRGINIA

1968 VIRGINIA GOVERNORS OFFICE  
NORTHERN NECK AREA PROJECTIONS AND ECONOMIC BASE ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VA. F2009

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1967 VIRGINIA DIVISION OF PLANNING AND COMMUNITY AFFAIRS  
NORFOLK-PORTSMOUTH METROPOLITAN AREA PROJECTIONS AND ECONOMIC BASE  
ANALYSIS  
RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1967 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
RICHMOND METROPOLITAN AREA PROJECTIONS AND BASE ANALYSIS  
RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1967 VIRGINIA GOVERNORS OFFICE  
ECONOMIC DATA SUMMARY-CHARLES CITY COUNTY  
DIVISION OF PLANNING, RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968-HARGIS WJ, JR  
UTILIZATION OF PHYSICAL AND MATHEMATICAL MODELS IN MARINE WATER RESOURCES  
RESEARCH, PLANNING AND MANAGEMENT  
UNPUBL PROG REPTS, VIMS, COVERING THE PERIOD 1 SEPT 1967--

ECONOMIC PREDICTION, HYDRAULIC MODELS, JAMES RIVER, MATHEMATICAL MODELS,  
WATER RESOURCES DEVELOPMENT

1968 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ECONOMIC DATA SUMMARY-ACCOMACK COUNTY  
RICHMOND, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT, POPULATION  
DYNAMICS, VIRGINIA

1968 VIRGINIA GOVERNORS OFFICE  
NORTHERN NECK AREA PROJECTIONS AND ECONOMIC BASE ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA GOVERNORS OFFICE  
SURRY COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA GOVERNORS OFFICE  
GLOUCESTER COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ECONOMIC DATA SUMMARY-NORTHAMPTON COUNTY  
RICHMOND, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT, POPULATION  
DYNAMICS, VIRGINIA

1969 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ISLE OF WIGHT COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1969 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
MATHEWS COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1969 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
MATHEWS COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
RICHMOND, VA. F2010

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1970 VIRGINIA DIVISION OF WATER RESOURCES  
JAMES RIVER BASIN COMPREHENSIVE WATER RESOURCES PLAN. VOL 2-ECONOMIC BASE  
STUDY  
RICHMOND (ITS PLANNING BULLETIN 214)

AGRICULTURE, ECONOMIC PREDICTION, HUMAN POPULATION, JAMES RIVER,  
RECREATION, SALINITY, WATER RESOURCES DEVELOPMENT

1971 PLEASANTS JB  
THE TIDAL JAMES--A REVIEW  
VIMS SPECIAL REPORT 18 IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING

ECONOMIC IMPACT, ECONOMIC PREDICTION, HISTORY, JAMES RIVER, PROJECTS,  
WATER QUALITY CONTROL, WATER RESOURCES DEVELOPMENT

\*\*\*\*\* ECONOMICS

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1878 HEINRICH OJ  
MESOZOIC FORMATION IN VIRGINIA  
AMER INST MINING ENGINEERS TRANS 6, 227-274

COALS, ECONOMICS, GEOLOGIC FORMATIONS, MESOZOIC ERA, PALEONTOLOGY, SULFUR  
BACTERIA

1911 DARTON NH  
ECONOMIC GEOLOGY OF RICHMOND, VIRGINIA, AND VICINITY  
US GEOL SURV BULL 483

CLAYS, DIATOMACEOUS EARTH, EARTH MATERIALS, ECONOMICS, GEOLOGIC  
FORMATIONS, GRANITES, JAMES RIVER

1932 YOUNG GR  
REPORT ON JAMES RIVER, VA, IN ACCORDANCE WITH HOUSE DOC 308, 69TH CONG  
1ST SESS  
VOL 1 +14 APP. NORFOLK, US ENGINEER OFFICE

ECONOMICS, FLOOD CONTROL, FUTURE PLANNING (PROJECTED), IRRIGATION, JAMES  
RIVER, NAVIGATION, RIVER BASINS

1939 BROWN WR  
COASTAL PLAIN GEOLOGY OF THE RICHMOND AREA, VIRGINIA  
UNIV OF VA MASTERS THESIS

ATLANTIC COASTAL PLAIN, CHICKAHOMINY RIVER, ECONOMICS, GEOLOGIC  
FORMATIONS, JAMES RIVER, PAMUNKEY RIVER, SULFUR BACTERIA, BINDERS

1948 UNITED STATES CONGRESS  
JAMES RIVER, VA  
80TH CONG, 1ST SESS HOUSE DOC 207 (INCLUDES MAP)

ECONOMICS, FLOOD CONTROL, JAMES RIVER, RIVER BASIN DEVELOPMENT, THERMAL  
RADIATION

1960 VIRGINIA UNIVERSITY BUREAU OF POPULATION AND ECONOMIC RESEARCH  
SOCIO-ECONOMIC CHARACTERISTICS OF THE WEST POINT, VIRGINIA, AREA  
CHARLOTTESVILLE, VIRGINIA

ECONOMICS, LOCAL GOVERNMENTS, POPULATION DYNAMICS

1961 KING AB  
A COMPARATIVE ANALYSIS OF NINE SELECTED BUSINESS AND ECONOMIC INDICATORS  
IN THIRTEEN VIRGINIA CITIES, 1956-1960  
COLLEGE OF WILLIAM AND MARY, WILLIAMSBURG, VA.

CITIES, ECONOMICS, VIRGINIA

1964 CHRISTY FT  
THE EXPLOITATION OF A COMMON PROPERTY RESOURCE--THE MARYLAND OYSTER  
INDUSTRY  
UNIVERSITY OF MICHIGAN DISSERTATION

CHESAPEAKE BAY, ECONOMICS, MANAGEMENT, MARYLAND, OYSTER INDUSTRY,  
OYSTERS, PUBLIC LANDS, RESOURCE DEVELOPMENT, VIRGINIA

1970 VIRGINIA DIVISION OF WATER RESOURCES  
RAPPAHANNOCK RIVER BASIN, COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 219

AGRICULTURE, ECONOMICS, LONG-TERM PLANNING, RAPPAHANNOCK RIVER,  
RECREATION, RIVER BASINS, THERMAL CONDUCTIVITY, WATER RESOURCES  
DEVELOPMENT



1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 225

AGRICULTURE, ECONOMICS, ELECTRIC POWER PRODUCTION, FUTURE PLANNING  
(PROJECTED), GEOLOGY, GROUNDWATER, MINERALOGY, RECREATION, THERMAL  
CONDUCTIVITY, YORK RIVER

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 226

AGRICULTURE, ECONOMICS, FINANCIAL ANALYSIS, INDUSTRIES, POPULATION  
DYNAMICS, RECREATION, TRANSPORTATION, YORK RIVER

\*\*\*\*\* ECOSYSTEMS \*\*\*\*\*

1966 PATTEN BC  
THE BIOGENETIC PROCESS IN AN ESTUARINE PHYTOPLANKTON COMMUNITY  
VIMS CONTR 160 C0011

CHLOROPHYLL, DIVERSIFICATION, ECOSYSTEMS, HYDROGRAPHY, LABORATORY TESTS,  
NUTRIENTS, PHYTOPLANKTON, PRODUCTIVITY, SESTON

\*\*\*\*\* EDUCATION \*\*\*\*\*

1970 PROW JW  
STUDY OF GEOGRAPHY IN VIRGINIA  
COLLEGE OF WILLIAM AND MARY, RESEARCH PAPER

EDUCATION, GEOGRAPHICAL REGIONS, VIRGINIA

\*\*\*\*\* EEL GRASS \*\*\*\*\*

1968 AMON JP  
STUDIES OF LABYRINTHULA SPP. IN CULTURE  
VIMS THESIS

AQUATIC MICROORGANISMS, EEL GRASS, PLANT PARASITES, YORK RIVER, MARINE  
FUNGI

1970 MARSH GA  
SEASONAL STUDY OF ZOSTERA EPIBIOTA IN THE YORK RIVER, VA.  
VIMS DISSERTATION

CHESAPEAKE BAY, EEL GRASS, PLANT POPULATIONS, SEASONAL DISTRIBUTION, YORK  
RIVER

1971 URTM RJ  
BENTHIC INFAUNA OF EELGRASS, ZOSTERA MARINA, BEDS  
VIMS THESIS

AQUATIC PLANTS, EEL GRASS, HABITATS, YORK RIVER

\*\*\*\*\* EFFLUENTS \*\*\*\*\*

1950 SMITH JD  
ORGANIC CHEMISTRY  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
618-635

CHEMISTRY, EFFLUENTS, INDUSTRIAL PRODUCTION, JAMES RIVER, ORGANIC WASTES

1951 VIRGINIA WATER CONTROL BOARD  
LOWER JAMES RIVER POLLUTION STUDY, CITY POINT TO THE CHICKAHOMINY, AUG  
6-SEPT 6 1951, PRELIMINARY REPORT  
WATER CONTROL BOARD (MIMEO REPORT)

EFFLUENTS, INDUSTRIAL WASTES, JAMES RIVER, WASTE ASSIMILATIVE CAPACITY,  
WATER POLLUTION CONTROL

1952 MASSMANN WH ET AL  
A BIOLOGICAL SURVEY OF THE RAPPAHANNOCK RIVER, VA.  
VIMS SPEC SCIENTIFIC REPT 6

CHESAPEAKE BAY, COMMERCIAL FISHING, EFFLUENTS, FISHERIES, RAPPAHANNOCK  
RIVER, STREAM STABILIZATION

1958 ACADEMY OF NATURAL SCIENCES, PHILADELPHIA. DEPARTMENT OF LIMNOLOGY  
JAMES RIVER, VIRGINIA--BIOLOGICAL, CHEMICAL, AND HYDROGRAPHIC STUDIES FOR  
THE DCW CHEMICAL COMPANY  
(MIMEO REPORT BY THE ACADEMY)

ADSORPTION, ALGAE, BENTHIC FAUNA, BIOASSAY, EFFLUENTS, HEAVY METALS,  
HYDROLOGIC DATA, JAMES RIVER, OYSTERS, PROTOZOA

1968 PRITCHARD DW  
CHEMICAL AND PHYSICAL OCEANOGRAPHY OF THE BAY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 49-74

CHESAPEAKE BAY, CIRCULATION, EFFLUENTS, NUTRIENTS, SALINITY, SLURRIES,  
SMALL GAME

\*\*\*\*\* EGGS \*\*\*\*\*

1942 LOCHHEAD MS, NEWCOMBE CL  
METHODS OF HATCHING EGGS OF THE BLUE CRAB  
VA J SCIENCE 3, 76-86 (VIMS CONTR 9)

CHESAPEAKE BAY, CRABS, EGGS, HATCHING, LARVAL GROWTH STAGE, MOLTING

1964 JOSEPH EB ET AL  
SPANNING OF THE COBIA, RACHYCENTRON CANADUM, IN THE CHESAPEAKE BAY AREA,  
WITH OBSERVATIONS OF JUVENILE SPECIMENS  
CHES SCI 5, 67-71 (VIMS CONTR 157)

CHESAPEAKE BAY, COBIA, EGGS, JUVENILE FISHES, SEASONAL DISTRIBUTION,  
STOKES LAW

\*\*\*\*\* ELASMOBRANCHES \*\*\*\*\*

1969 CAMPBELL RA  
NEW SPECIES OF ACANTHOBOTHRIUM (CESTODA--TETRAHYLLIDEA) FROM CHESAPEAKE  
BAY, VIRGINIA  
J PARASIT 55, 559-570 (VIMS CONTR 332)

ELASMOBRANCHES, HOSTS, PARASITISM, SOIL DENSITY, CHESAPEAKE BAY

\*\*\*\*\* ELECTRIC POWER DEMAND \*\*\*\*\*

1971 UNITED STATES DEPARTMENT OF THE INTERIOR  
A RE-EVALUATION OF THE POWER, WATER SUPPLY, WATER QUALITY,  
RECREATION...OF THE AUTHORIZED SALEM CHURCH RESERVOIR PROJECT  
BUREAU OF OUTDOOR RECREATION

ELECTRIC POWER DEMAND, GROUNDWATER, RAPPAHANNOCK RIVER, RECREATION  
DEMAND, WILDLIFE CONSERVATION

\*\*\*\*\* ELECTRIC POWERPLANTS \*\*\*\*\*

1966 WARINNER JE, BREHMER M  
THE EFFECTS OF THERMAL EFFLUENTS ON MARINE ORGANISMS  
AIR AND WATER POLLUT INT J 10, 277-289 (VIMS CONTR 171)

BENTHIC FAUNA, COOLING WATER, ELECTRIC POWERPLANTS, PHYTOPLANKTON,  
PRIMARY PRODUCTIVITY, SILVERSIDES

\*\*\*\*\* ELECTRIC POWER PRODUCTION \*\*\*\*\*

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 225

AGRICULTURE, ECONOMICS, ELECTRIC POWER PRODUCTION, FUTURE PLANNING  
(PROJECTED), GEOLOGY, GROUNDWATER, MINERALOGY, RECREATION, THERMAL  
CONDUCTIVITY, YORK RIVER

\*\*\*\*\* ELECTRON MICROSCOPY \*\*\*\*\*

1968 PERKINS FO  
FINE STRUCTURE OF THE OYSTER PATHOGEN MINCHINIA NELSONI (HAPLOSPORIDA,  
HAPLOSPORIDIIDAE)  
J INVERT PATHOL 10, 287-305 (VIMS CONTR 269)

ELECTRON MICROSCOPY, MSX, OYSTERS, PATHOLOGY, HISTOLOGICAL INVESTIGATIONS

1969 PERKINS FO  
ELECTRON MICROSCOPE STUDIES OF SPORULATION IN THE OYSTER PATHOGEN,  
MINCHINIA COSTALIS (SPOROZOA, HAPLOSPORIDA)  
J PARASITOLOGY 55, 897-920 (VIMS CONTR 307)

ANIMAL PARASITES, JAMES RIVER, MICROORGANISMS, OYSTERS, STREAM GAGES,  
ELECTRON MICROSCOPY

\*\*\*\*\* ELIZABETH RIVER \*\*\*\*\*

1876  
NORFOLK CITY V COOKE  
68 VA (27 GRATT) 430

SEDS UNDER WATER, BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, RIPARIAN  
RIGHTS

1899  
WAVERLY WATER-FRONT AND IMPROVEMENT CO V WHITE ET AL  
33 SE 534, 97 VA 376

BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS, SOCIAL  
VALUES

1912  
LAMBERTS POINT CO V NORFOLK AND W. RY CO  
74 SE 156, 113 VA 270

BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, RIPARIAN  
RIGHTS, SOCIAL VALUES

1965 HARRISON W ET AL  
POSSIBLE LATE PLEISTOCENE UPLIFT, CHESAPEAKE BAY ENTRANCE  
J GEOLOGY 73, 201-229

BOREHOLE GEOPHYSICS, CHESAPEAKE BAY, ELIZABETH RIVER, JAMES RIVER,  
PLEISTOCENE EPOCH, SEDIMENTARY PETROLOGY, THERMAL STRESS, YORK RIVER

1965 COCH NK  
POST-MIOCENE STRATIGRAPHY AND MORPHOLOGY, INNER COASTAL PLAIN  
SOUTHEASTERN VIRGINIA  
YALE DISSERTATION, ALSO US OFF NAVAL RESEARCH GEOG BRANCH, TECH REPT 6,  
CONTRACT NONR 609(40)

ATLANTIC COASTAL PLAIN, ELIZABETH RIVER, GEOLOGIC FORMATIONS,  
GEOMORPHOLOGY, JAMES RIVER, PLEISTOCENE EPOCH, SULFUR BACTERIA

1966 CULLER EO  
REAL PROPERTY- RIPARIAN RIGHTS  
UNIV RICHMOND LAW NOTES 2, 257-261

ELIZABETH RIVER, RIPARIAN RIGHTS, SOCIAL VALUES, LEGAL ASPECTS

1967 MARSHALL HG  
PLANKTON IN JAMES RIVER ESTUARY, VIRGINIA. 2. PHYTOPLANKTON IN THE  
ELIZABETH RIVER  
VA J SCIENCE 18, 105-109

ELIZABETH RIVER, JAMES RIVER, PHYTOPLANKTON, SEASONAL DISTRIBUTION

1967  
NORFOLK DREDGING CO V RADCLIFF MATERIALS INC  
264 FSUPP 399

DREDGING, ELIZABETH RIVER, JAMES RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS

1969 VIRGINIA MARINE RESOURCES COMMISSION  
CITY OF NORFOLK LANDFILL, LAMBERTS POINT  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMM., 28JAN, 25FEB, 25MAR,  
23SEPT

BULKHEAD LINE, ELIZABETH RIVER, JAMES RIVER, LANDFILLS, RIPARIAN RIGHTS

1969 MARSHALL HG  
OBSERVATIONS ON THE DISTRIBUTION OF PHYTOPLANKTON IN THE ELIZABETH RIVER,  
VIRGINIA  
VIRGINIA J SCIENCE 20, 37-39

ELIZABETH RIVER, PHYTOPLANKTON, SEASONAL DISTRIBUTION

1969 SPENCER RS, ROGERS WS  
THE MIOCENE-PLEISTOCENE UNCONFORMITY IN NORFOLK COUNTY, VIRGINIA  
VIRGINIA J SCIENCE 20, 19-21

ELIZABETH RIVER, GEOLOGIC FORMATIONS, MIOCENE EPOCH, PLEISTOCENE EPOCH

1970 VIRGINIA MARINE RESOURCES COMMISSION  
FILLING BEHIND BULKHEAD LINE IN ELIZABETH RIVER  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION-- 28APR, 27 OCT

BULKHEAD LINE, ELIZABETH RIVER, JAMES RIVER, LANDFILLS, RIPARIAN RIGHTS

1971 RICHARDSON MD  
BENTHIC MACROINVERTEBRATE COMMUNITIES AS INDICATORS OF POLLUTION IN THE  
ELIZABETH RIVER, HAMPTON ROADS, VIRGINIA  
VIMS THESIS

BENTHIC FAUNA, ELIZABETH RIVER, INDICATORS, WATER POLLUTION EFFECTS

\*\*\*\*\* EMBRYONIC GROWTH STAGE \*\*\*\*\*

1962 BLACK RE  
RESPIRATION, ELECTRON-TRANSPORT ENZYMES, AND KREBS-CYCLE ENZYMES IN EARLY  
DEVELOPMENTAL STAGES OF THE OYSTER CRASSOSTREA VIRGINICA  
BIOL BULL 123, 58-70 (VIMS CONTR 116)

EMBRYONIC GROWTH STAGE, ENZYMES, OYSTERS, RESPIRATION

1962 BLACK RE  
THE CONCENTRATIONS OF SOME ENZYMES OF THE CITRIC ACID CYCLE AND ELECTRON  
TRANSPORT SYSTEM IN THE LARGE GRANULE SECTION OF EGGS AND TROCHOPHORES OF  
THE OYSTER...  
BIOL BULL 123, 71-79 (VIMS CONTR 117)

EMBRYONIC GROWTH STAGE, ENZYMES, OYSTERS, RESPIRATION

1964 BLACK RE, PENGELLEY ET  
ALPHA AMYLASE DEVELOPMENT IN EMBRYOS OF CRASSOSTREA VIRGINICA  
BIOL BULL 126, 199-204 (VIMS CONTR 154)

EMBRYONIC GROWTH STAGE, ENZYMES, OYSTERS

\*\*\*\*\* EMPLOYMENT \*\*\*\*\*

1967 VIRGINIA GOVERNORS OFFICE  
NEWPORT NEWS-HAMPTON METROPOLITAN AREA PROJECTIONS AND ECONOMIC BASE  
ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1967 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
PETERSBURG-HOPEWELL-COLONIAL HEIGHTS METROPOLITAN AREA PROJECTIONS AND  
ECONOMIC BASE ANALYSIS  
RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ECONOMIC DATA SUMMARY--ACCOMACK COUNTY  
RICHMOND, VIRGINIA F0012

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT, POPULATION  
DYNAMICS, VIRGINIA

1968 VIRGINIA GOVERNORS OFFICE  
NORTHERN NECK AREA PROJECTIONS AND ECONOMIC BASE ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VA. F2009

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1967 VIRGINIA DIVISION OF PLANNING AND COMMUNITY AFFAIRS  
NORFOLK-PORTSMOUTH METROPOLITAN AREA PROJECTIONS AND ECONOMIC BASE  
ANALYSIS  
RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1967 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
RICHMOND METROPOLITAN AREA PROJECTIONS AND BASE ANALYSIS  
RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1967 VIRGINIA GOVERNORS OFFICE  
ECONOMIC DATA SUMMARY-CHARLES CITY COUNTY  
DIVISION OF PLANNING, RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 HUNTER JH  
RESEARCH AND DEVELOPMENT FACILITIES AND PERSONNEL--VIRGINIA, 1968  
VIRGINIA GOVERNORS OFFICE, DIVISION OF INDUSTRIAL DEVELOPMENT, RICHMOND,  
VIRGINIA

EMPLOYMENT, FACILITIES, LABORATORIES, RESEARCH AND DEVELOPMENT, RESEARCH  
FACILITIES, UNIVERSITIES, VIRGINIA

1968 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ECONOMIC DATA SUMMARY-ACCOMACK COUNTY  
RICHMOND, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT, POPULATION  
DYNAMICS, VIRGINIA

1968 VIRGINIA GOVERNORS OFFICE  
NORTHERN NECK AREA PROJECTIONS AND ECONOMIC BASE ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA GOVERNORS OFFICE  
SURRY COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA GOVERNORS OFFICE  
GLOUCESTER COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ECONOMIC DATA SUMMARY-NORTHAMPTON COUNTY  
RICHMOND, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT, POPULATION  
DYNAMICS, VIRGINIA

1969 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ISLE OF WIGHT COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1969 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
MATHEWS COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1969 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
MATHEWS COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
RICHMOND, VA. F2010

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

\*\*\*\*\* EMPLOYMENT OPPORTUNITIES \*\*\*\*\*

1963 BOWDEN EV  
DEVELOPMENT OPPORTUNITIES FOR VIRGINIA'S EASTERN SHORE  
OLD DOMINION COLLEGE, NORFOLK, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT OPPORTUNITIES,  
GEOGRAPHICAL REGIONS, INDUSTRIAL PRODUCTION, RECREATION, TOURISM

\*\*\*\*\* ENERGY BUDGET \*\*\*\*\*

1963 PATTEN BC ET AL  
SUSPENDED PARTICULATE MATERIAL IN THE LOWER YORK RIVER, VIRGINIA  
VIMS SPECIAL SCIENTIFIC REPT 44

DATA COLLECTIONS, ENERGY BUDGET, SEDIMENT LOAD, SESTON, THERMAL  
STRATIFICATION, YORK RIVER

\*\*\*\*\* ENGINEERING \*\*\*\*\*

1950 MCGAUHEY PH  
ENGINEERING  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
637-651

DAMS, ENGINEERING, HYDROELECTRIC PLANTS, INDUSTRIAL WATER, JAMES RIVER,  
NAVIGATION, PULP AND PAPER INDUSTRY

## \*\*\*\*\* ENVIRONMENTAL EFFECTS \*\*\*\*\*

1968 UNITED STATES DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE RESOURCES AS RELATED TO WATER POLLUTION, CHESAPEAKE BAY  
AND TRIBUTARIES  
FISH AND WILDLIFE SERVICE, BUR SPORT FISH AND WILDLIFE, ATLANTA, GEORGIA

CHESAPEAKE BAY, ENVIRONMENTAL EFFECTS, WATER MANAGEMENT (APPLIED), WATER  
POLLUTION, WATER QUALITY CONTROL

1971 UNITED STATES ARMY CORPS OF ENGINEERS  
FINAL ENVIRONMENTAL STATEMENT, TASKINAS CREEK, JAMES CITY COUNTY,  
VIRGINIA  
NORFOLK DISTRICT

DREDGING, ENVIRONMENTAL EFFECTS, RECREATION FACILITIES, YORK RIVER

1971 UNITED STATES ARMY CORPS OF ENGINEERS  
ENVIRONMENTAL STATEMENT--CHESAPEAKE BAY HYDRAULIC MODEL, MATAPEAKE,  
MARYLAND  
BALTIMORE DISTRICT

CHESAPEAKE BAY, ECOLOGICAL IMPACT, ENVIRONMENTAL EFFECTS, HYDRAULIC  
MODELS, PROJECT FEASIBILITY

## \*\*\*\*\* ENVIRONMENTAL ENGINEERING \*\*\*\*\*

1965 HARGIS WJ, JR  
MULTIDISCIPLINARY RESEARCH ON AN ESTUARINE ENGINEERING PROJECT  
VIMS MS, ALSO VPI WATER RESOURCES RESEARCH CENTER BULL 2, 45-66

ECONOMIC FEASIBILITY, ENVIRONMENTAL ENGINEERING, JAMES RIVER, OYSTER  
INDUSTRY, WATER RESOURCES DEVELOPMENT

## \*\*\*\*\* ENZYMES \*\*\*\*\*

1962 BLACK RE  
RESPIRATION, ELECTRON-TRANSPORT ENZYMES, AND KREBS-CYCLE ENZYMES IN EARLY  
DEVELOPMENTAL STAGES OF THE OYSTER CRASSOSTREA VIRGINICA  
BIOL BULL 123, 58-70 (VIMS CONTR 116)

EMBRYONIC GROWTH STAGE, ENZYMES, OYSTERS, RESPIRATION

1962 BLACK RE  
THE CONCENTRATIONS OF SOME ENZYMES OF THE CITRIC ACID CYCLE AND ELECTRON  
TRANSPORT SYSTEM IN THE LARGE GRANULE SECTION OF EGGS AND TROCHOPHORES OF  
THE OYSTER...  
BIOL BULL 123, 71-79 (VIMS CONTR 117)

EMBRYONIC GROWTH STAGE, ENZYMES, OYSTERS, RESPIRATION

1964 BLACK RE, PENGELLEY ET  
ALPHA AMYLASE DEVELOPMENT IN EMBRYOS OF CRASSOSTREA VIRGINICA  
BIOL BULL 126, 199-204 (VIMS CONTR 154)

EMBRYONIC GROWTH STAGE, ENZYMES, OYSTERS

1969 MENGBIER WL, WOOD L  
THE EFFECTS OF MINCHINIA NELSONI INFECTION ON ENZYME LEVELS IN  
CRASSOSTREA VIRGINICA. II. SERUM PHOSPHOHEXOSE ISOMERASE  
COMP BIOCHEM PHYSIOL 29, 265-270 (VIMS CONTR 291)

ANIMAL PHYSIOLOGY, ENZYMES, MSX, ORGANIC COMPOUNDS, OYSTERS

1969 MENGBIER WL, WOOD L  
THE EFFECTS OF MINCHINIA NELSONI INFECTION ON ENZYME LEVELS IN  
CRASSOSTREA VIRGINICA. II. SERUM PHOSPHOHEXOSE ISOMERASE  
COMP BIOCHEM PHYSIOL 29, 265-270 (VIMS CONTR 291)

ANIMAL PHYSIOLOGY, ENZYMES, MSX, ORGANIC COMPOUNDS, OYSTERS

## \*\*\*\*\* EROSION \*\*\*\*\*

1969 WASS ML, WRIGHT TD  
COASTAL WETLANDS OF VIRGINIA  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 10

EROSION, HABITATS, LEGAL ASPECTS, MARSH MANAGEMENT, MARSH PLANTS, SLOPE  
PROTECTION, VIRGINIA, WETLANDS

1969 WASS ML, WRIGHT TD  
COASTAL WETLANDS OF VIRGINIA  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 10

EROSION, HABITATS, LEGAL ASPECTS, MARSH MANAGEMENT, MARSH PLANTS, SLOPE  
PROTECTION, VIRGINIA, WETLANDS

## \*\*\*\*\* EROSION CONTROL \*\*\*\*\*

1968  
WATERS OF THE STATE, PORTS AND HARBORS  
VA CODE, 1950, TITLE 62.1

BEDS UNDER WATER, EROSION CONTROL, HARBORS, LEGAL ASPECTS, NAVIGABLE  
WATERS, POLLUTION ABATEMENT, RIPARIAN RIGHTS, VIRGINIA, WATER LAW

1971 VIRGINIA GOVERNORS COUNCIL ON THE ENVIRONMENT  
THE STATE OF VIRGINIA'S ENVIRONMENT

AIR POLLUTION, EROSION CONTROL, MINE WASTES, MUNICIPAL WASTES, SMALL  
GAME, STRUCTURAL RELAXATION, VIRGINIA, WATER POLLUTION CONTROL

1971 VIRGINIA EROSION AND SEDIMENTATION CONTROL TASK FORCE  
REPORT OF TASK FORCE ON EROSION AND SEDIMENTATION CONTROL  
VIRGINIA GOVERNORS COUNCIL ON THE ENVIRONMENT

EROSION CONTROL, LEGAL ASPECTS, SEDIMENTATION, URBANIZATION, VIRGINIA

\*\*\*\*\* ESTIMATED COSTS

\*\*\*\*\*

1854 VIRGINIA BOARD OF PUBLIC WORKS  
REPORT OF THE PRINCIPAL ENGINEER OF THE BOARD OF PUBLIC WORKS, ON THE  
SUBJECT OF THE SURVEY OF JAMES AND KANAWHA RIVERS...  
RICHMOND, COLIN AND NOWLAN

CANALS, ESTIMATED COSTS, FUTURE PLANNING (PROJECTED), JAMES RIVER,  
NAVIGATION, THERMAL RADIATION

1962 UNITED STATES ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT  
REVIEW REPORT ON JAMES RIVER, VIRGINIA  
(2 VOLS) NORFOLK, CORPS OF ENGINEERS REPORT

CHANNEL IMPROVEMENT, COST ALLOCATION, ESTIMATED COSTS, JAMES RIVER,  
NAVIGABLE RIVERS, PROJECT FEASIBILITY

\*\*\*\*\* ESTUARIES

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1950 TRESSELT EF  
SPAWNING GROUNDS OF THE STRIPED BASS OR ROCK, ROCCUS SAXATILIS (WALBAUM),  
IN VIRGINIA  
(VIMS THESIS)

ESTUARIES, STOKES LAW, SURFACE TENSION, VIRGINIA

1951 PRITCHARD DW  
THE PHYSICAL HYDROGRAPHY OF ESTUARIES AND SOME APPLICATIONS TO BIOLOGICAL  
PROBLEMS  
TRANSACTIONS OF THE 16TH NORTH AMERICAN WILDLIFE CONFERENCE, 368-376

CRABS, CROAKER, CURRENTS (WATER), ESTUARIES, FISH, OYSTERS

1951 PRITCHARD DW, BURT WV  
AN INEXPENSIVE AND RAPID TECHNIQUE FOR OBTAINING CURRENT PROFILES IN  
ESTUARINE WATERS  
CHES BAY INST TECH REPT 1

CURRENT METERS, ESTUARIES

1952 PRITCHARD DW  
PHYSICAL STRUCTURE, CIRCULATION, AND MIXING IN A COASTAL PLAIN ESTUARY  
CHES BAY INST TECH REPT 3

ESTUARIES, JAMES RIVER, SALINE WATER-FRESHWATER INTERFACESSALINITY

1952 PRITCHARD DW  
REVIEW OF OUR PRESENT KNOWLEDGE OF THE DYNAMICS AND FLUSHING OF ESTUARIES  
CHES BAY INST TECH REPT 4

ESTUARIES, SALINE WATER-FRESHWATER INTERFACES

1952 PRITCHARD DW  
SALINITY DISTRIBUTION AND CIRCULATION IN THE CHESAPEAKE BAY ESTUARINE  
SYSTEM  
J MAR RES 11, 106-123 (CHES BAY INST CONTR 6)

ESTUARIES, SALINITY, VIRGINIA

1952 TRESSELT EF  
SPAWNING GROUNDS OF THE STRIPED BASS OR ROCK, ROCCUS SAXATILIS (WALBAUM),  
IN VIRGINIA  
BINGHAM OCEANOGR COLL BULL 14(1), 98-110 (VIMS CONTR 41)

ESTUARIES, STOKES LAW, SURFACE TENSION, VIRGINIA

1953 MASSMANN WH  
RELATIVE ABUNDANCE OF YOUNG FISHES IN VIRGINIA ESTUARIES  
NORTH AMER WILDLIFE CONF TRANS, 18TH, 439-449 (VIMS CONTR 46)

COMMERCIAL FISH, DISTRIBUTION, ESTUARIES, JUVENILE FISHES, VIRGINIA

1954 MASSMANN WH  
MARINE FISHES IN FRESH AND BRACKISH WATERS OF VIRGINIA RIVERS  
ECOLOGY 35, 75-78 (VIMS CONTR 47)

DISTRIBUTION, ESTUARIES, MARINE FISH, VIRGINIA

1954 PRITCHARD DW  
STUDY OF THE SALT BALANCE IN A COASTAL PLAIN ESTUARY  
J MAR RES 13, 133-144 (CHES BAY INST CONTR 16)

ESTUARIES, JAMES RIVER, SALT BALANCE

1956 PRITCHARD DW  
DYNAMIC STRUCTURE OF A COASTAL PLAIN ESTUARY  
J MAR RES 15, 33-42 (CHES BAY INST CONTR 24)

CORIOLIS FORCE, ESTUARIES, HYDROLOGIC EQUATION, JAMES RIVER, PHYSICAL  
OCEANOGRAPHY, SALINITY

1956 PRITCHARD DW, KENT RE  
METHOD FOR DETERMINING MEAN LONGITUDINAL VELOCITIES IN A COASTAL PLAIN  
ESTUARY  
J MAR RES 15, 81-91 (CHES BAY INST CONTR 26)

CURRENTS (WATER), ESTUARIES, HYDROLOGIC EQUATION, JAMES RIVER, PHYSICAL  
OCEANOGRAPHY, SALINITY

1957 HAVEN DS  
DISTRIBUTION, GROWTH, AND AVAILABILITY OF JUVENILE CROAKER, MICROPOGON  
UNDULATUS, IN VIRGINIA  
ECOLOGY 38, 88-97 (VIMS CONTR 68)

CROAKER, DISTRIBUTION, ESTUARIES, JUVENILE FISHES, VIRGINIA

1961 HARGIS WJ JR  
RESEARCH ON THE TIDAL POTOMAC  
WATER MANAGEMENT IN THE POTOMAC ESTUARY, 38-44 (VIMS CONTR 107)

CONSERVATION, ESTUARIES, POTOMAC RIVER, WATER MANAGEMENT (APPLIED)

1965 ELLISON R ET AL  
DISTRIBUTION OF RECENT FORAMINIFERA IN THE RAPPAHANNOCK RIVER ESTUARY  
VIMS SPECIAL SCIENTIFIC REPT 47

DATA COLLECTIONS, DISTRIBUTION, ESTUARIES, FORAMINIFERA, RAPPAHANNOCK  
RIVER, SEDIMENTS

1966 PATTEN BC, CHABOT BF  
FACTORIAL PRODUCTIVITY EXPERIMENTS IN A SHALLOW ESTUARY--CHARACTERISTICS  
OF RESPONSE SURFACES  
CHES SCI 7, 117-136 (VIMS CONTR 224)

ESTUARIES, PLANKTON, PRIMARY PRODUCTIVITY, RESPIRATION, SAMPLING, YORK  
RIVER

1968 BOON JD III, MACINTYRE WG  
THE BORON-SALINITY RELATIONSHIP IN ESTUARINE SEDIMENTS OF THE  
RAPPAHANNOCK RIVER, VIRGINIA  
CHES SCI 9, 21-26 (VIMS CONTR 265)

BORON, CHEMICAL ANALYSIS, ESTUARIES, RAPPAHANNOCK RIVER, SALINITY,  
SEDIMENTS

1969 SETTLE FH  
SURVEY AND ANALYSIS OF CHANGES EFFECTED BY MAN ON TIDAL WETLANDS OF  
VIRGINIA, 1955-1969  
(VPI THESIS)

ESTUARIES, LAND DEVELOPMENT, SLOPE PROTECTION, VIRGINIA

1970 CARTER HH, OKUBO A  
LONGITUDINAL DISPERSION IN NON-UNIFORM FLOW  
CHESAPEAKE BAY INSTITUTE TECHNICAL REPORT 68

CURRENTS (WATER), ESTUARIES, PATUXENT RIVER, POLLUTANTS

1971 MASSMANN WH  
THE SIGNIFICANCE OF AN ESTUARY ON THE BIOLOGY OF AQUATIC ORGANISMS OF THE  
MIDDLE ATLANTIC REGION  
SYMPOSIUM ON THE BIOLOGICAL SIGNIFICANCE OF ESTUARIES, SPORT FISHING INST.  
DOUGLAS PA, STROUD RM EDS 96-109

BIOLOGY, CHEMICALS, DREDGING, ESTUARIES, MARYLAND, VIRGINIA, WATER  
QUALITY, WILD RIVERS

1971 HYER PV ET AL  
HYDROGRAPHY AND HYDRODYNAMICS OF VIRGINIA ESTUARIES. II. STUDIES OF THE  
DISTRIBUTION OF SALINITY AND DISSOLVED OXYGEN IN THE UPPER YORK SYSTEM  
VIMS SPEC REPT APPL MAR SCI AND OCEAN ENGRNG 13

COMPUTER PROGRAMS, DISSOLVED OXYGEN, ESTUARIES, HYDROGRAPHY, MATHEMATICAL  
MODELS, MATTAPONI RIVER, PAMUNKEY RIVER, SALINITY, YORK RIVER

\*\*\*\*\* ESTUARINE ENVIRONMENT \*\*\*\*\*

1965 NORTON W  
DISTRIBUTION VARIATIONS OF ESTUARINE BENTHONIC FORAMINIFERA IN A CHANGING  
ENVIRONMENT  
VIMS MS

BENTHIC FAUNA, DROUGHTS, ESTUARINE ENVIRONMENT, FORAMINIFERA, JAMES  
RIVER, SALINE WATER INTRUSION

\*\*\*\*\* EUTROPHICATION \*\*\*\*\*

1971 VIRGINIA POLYTECHNIC INSTITUTE  
WATER RESOURCES RESEARCH IN VIRGINIA--ANNUAL REPORT FOR FISCAL YEAR 1971  
WATER RESOURCES RESEARCH CENTER, BLACKSBURG, VIRGINIA, BULL 46

EUTROPHICATION, MARSHES, MINE WASTES, PESTICIDE REMOVAL, POLLUTANTS,  
RESEARCH AND DEVELOPMENT, VIRGINIA, WASTE WATER TREATMENT, WATER QUALITY

\*\*\*\*\* FACILITIES \*\*\*\*\*

1968 HUNTER JH  
RESEARCH AND DEVELOPMENT FACILITIES AND PERSONNEL--VIRGINIA, 1968  
VIRGINIA GOVERNORS OFFICE, DIVISION OF INDUSTRIAL DEVELOPMENT, RICHMOND,  
VIRGINIA

EMPLOYMENT, FACILITIES, LABORATORIES, RESEARCH AND DEVELOPMENT, RESEARCH  
FACILITIES, UNIVERSITIES, VIRGINIA

\*\*\*\*\* FARM LAGOONS \*\*\*\*\*

1964 DAVIS RV ET AL  
TREATMENT OF DUCK WASTES AND THEIR EFFECTS ON THE WATER QUALITY IN THE  
RAPPAHANNOCK RIVER, URBANNA, VIRGINIA  
VIRGINIA STATE WATER CONTROL BOARD, RICHMOND

ANIMAL WASTES (WILDLIFE), FARM LAGOONS, FARM WASTES, POULTRY,  
RAPPAHANNOCK RIVER, WASTE TREATMENT

## \*\*\*\*\* FARM WASTES \*\*\*\*\*

1964 DAVIS RV ET AL  
TREATMENT OF DUCK WASTES AND THEIR EFFECTS ON THE WATER QUALITY IN THE  
RAPPAHANNOCK RIVER, URBANNA, VIRGINIA  
VIRGINIA STATE WATER CONTROL BOARD, RICHMOND

ANIMAL WASTES (WILDLIFE), FARM LAGOONS, FARM WASTES, POULTRY,  
RAPPAHANNOCK RIVER, WASTE TREATMENT

## \*\*\*\*\* FEEDING \*\*\*\*\*

1968 ROBERTS MH JR  
FUNCTIONAL MORPHOLOGY OF MOUTH PARTS OF THE HERMIT CRABS, PAGURUS  
LONGICARPUS AND PAGURUS POLLICARIS  
CHES SCI 9, 9-20 (VIMS CONTR.271)

CRABS, FEEDING, MORPHOLOGY

## \*\*\*\*\* FERTILIZERS \*\*\*\*\*

1833 RUFFIN E  
GYPSEOUS EARTH OF JAMES RIVER  
FARMER'S REGISTER 1,207-211

FERTILIZERS, JAMES RIVER, MARL

## \*\*\*\*\* FILTRATION \*\*\*\*\*

1970 HAVEN DS, MORALES-ALAMO R  
FILTRATION OF PARTICLES FROM SUSPENSION BY THE AMERICAN OYSTER  
CRASSOSTREA VIRGINICA  
BIOL BULL 139, 248-264 (VIMS CONTR 356)

FILTRATION, FOOD HABITS, OYSTERS, VIRGINIA

## \*\*\*\*\* FINANCIAL ANALYSIS \*\*\*\*\*

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 226

AGRICULTURE, ECONOMICS, FINANCIAL ANALYSIS, INDUSTRIES, POPULATION  
DYNAMICS, RECREATION, TRANSPORTATION, YORK RIVER

## \*\*\*\*\* FINANCING \*\*\*\*\*

1953 BREWINGTON MV  
CHESAPEAKE BAY-A PICTORIAL MARITIME HISTORY  
CORNELL MARITIME PRESS, CAMBRIDGE, MARYLAND

CRAB INDUSTRY, FINANCING, HISTORY, OYSTER INDUSTRY, SOCIAL FUNCTION

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DISPOSITION OF PUBLIC LAW 88-309 (1964 COM FISH RES AND DEV ACT) FUNDS  
MINUTES OF MEETINGS, 28 APRIL

CLAMS, FINANCING, OYSTERS, RESEARCH AND DEVELOPMENT

## \*\*\*\*\* FINFISH INDUSTRY \*\*\*\*\*

1943 MENZEL RW  
THE CATFISH FISHERY OF VIRGINIA  
AMER FISHERIES SOC TRANS 73, 364-372 (VIMS CONTR 23)

CATFISHES, COMMERCIAL FISHING, FINFISH INDUSTRY, FRESHWATER FISH, JAMES  
RIVER, POTOMAC RIVER

1961 UNITED STATES ARMY CORPS OF ENGINEERS  
CHESAPEAKE BAY FISHING HARBORS ECONOMIC STUDY, MARYLAND AND VIRGINIA  
BOARD OF ENGINEERS FOR RIVERS AND HARBORS, WASHINGTON, D.C.

CHESAPEAKE BAY, COMMERCIAL FISHING, FINFISH INDUSTRY, FISHING GEAR,  
OYSTER INDUSTRY

1969  
FISH AND FISHING GENERALLY (REGULATIONS)  
VA CODE, 1950, TITLE 28.1 C 4 28.1-47 TO 28.1-81

FINFISH INDUSTRY, LEGAL ASPECTS, VIRGINIA

1969  
FISH, OYSTERS, SHELLFISH AND OTHER MARINE LIFE  
VA CODE, 1950 TITLE 28.1

CLAM INDUSTRY, CRAB INDUSTRY, FINFISH INDUSTRY, FISH MANAGEMENT, LEGAL  
ASPECTS, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA

1970  
USE OF HAUL SEINE IN JAMES RIVER  
VA CODE, 1950, 28.1-51.2

FINFISH INDUSTRY, FISHING GEAR, JAMES RIVER, LEGAL ASPECTS

## \*\*\*\*\* FISH \*\*\*\*\*

1951 PRITCHARD DW  
THE PHYSICAL HYDROGRAPHY OF ESTUARIES AND SOME APPLICATIONS TO BIOLOGICAL  
PROBLEMS  
TRANSACTIONS OF THE 16TH NORTH AMERICAN WILDLIFE CONFERENCE, 368-376

CRABS, CROAKER, CURRENTS (WATER), ESTUARIES, FISH, OYSTERS



1966 HUNN JB  
SOME BLOOD CHEMISTRY VALUES FOR FIVE CHESAPEAKE BAY AREA FISHES  
CHES SCI 7, 173-175

BIOCHEMISTRY, FISH, GUNPOWDER RIVER, MD, PATUXENT RIVER, SALTS

1967 ALLEN N, PELCZAR MJ  
BACTERIOLOGICAL STUDIES ON THE WHITE PERCH, ROCCUS AMERICANUS  
CHES SCI 8, 135-154

ANIMAL PATHOLOGY, BACTERIA, FISH, FISH DISEASES, WHITE PERCH

\*\*\*\*\* FISH BEHAVIOR \*\*\*\*\*

1969 BARANS CA  
DISTRIBUTION, GROWTH AND BEHAVIOR OF THE SPOTTED HAKE IN THE CHESAPEAKE  
BIGHT  
VIMS THESIS

BENTHIC FAUNA, CHESAPEAKE BAY, FISH BEHAVIOR, YORK RIVER

\*\*\*\*\* FISH DISEASES \*\*\*\*\*

1967 ALLEN N, PELCZAR MJ  
BACTERIOLOGICAL STUDIES ON THE WHITE PERCH, ROCCUS AMERICANUS  
CHES SCI 8, 135-154

ANIMAL PATHOLOGY, BACTERIA, FISH, FISH DISEASES, WHITE PERCH

\*\*\*\*\* FISH MANAGEMENT \*\*\*\*\*

1969  
FISH, OYSTERS, SHELLFISH AND OTHER MARINE LIFE  
VA CODE, 1950 TITLE 28.1

CLAM INDUSTRY, CRAB INDUSTRY, FINFISH INDUSTRY, FISH MANAGEMENT, LEGAL  
ASPECTS, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA

\*\*\*\*\* FISH MIGRATION \*\*\*\*\*

1961 MASSMANN WH, PACHECO AL  
MOVEMENTS OF STRIPED BASS TAGGED IN VIRGINIA WATERS OF CHESAPEAKE BAY  
CHESAPEAKE SCIENCE 2, 37-44 (VIMS CONTR 97)

FISH MIGRATION, JAMES RIVER, RAPPAHANNOCK RIVER, SURFACE TENSION, YORK  
RIVER

1970 RICHARDS CE, CASTAGNA M  
MARINE FISHES OF VIRGINIA'S EASTERN SHORE (INLET AND MARSH, SEASIDE  
WATERS)  
CHES SCI 11, 235-248 (VIMS CONTR 364)

EASTERN SHORE (VA-MD), FISH MIGRATION, MARINE FISH

\*\*\*\*\* FISH PARASITES \*\*\*\*\*

1958 HARGIS WJ JR  
THE FISH PARASITE ARGULUS LATICAUDA AS A FORTUITOUS HUMAN EPIZOON  
J PARASIT 44, 45 (VIMS CONTR 77)

COPEPODS, FISH PARASITES

1959 MCMAHON JW  
MONOGENETIC TREMATODES FROM SOME CHESAPEAKE BAY FISHES  
VIMS THESIS

CHESAPEAKE BAY, FISH PARASITES, TREMATODES

1963 MCMAHON JW  
MONOGENETIC TREMATODES FROM SOME CHESAPEAKE BAY FISHES. PART 1--THE  
SUPERFAMILIES CAPSALOIDEA PRICE, 1936 AND DICLIDOPHOROIDEA PRICE, 1936  
CHES SCI 4, 151-160 (VIMS CONTR 153)

CHESAPEAKE BAY, FISH PARASITES, TREMATODES

1964 MCMAHON JW  
MONOGENETIC TREMATODES FROM SOME CHESAPEAKE BAY FISHES. PART 2--THE  
SUPERFAMILY DICLIDOPHOROIDEA  
CHES SCI 5, 124-133 (VIMS CONTR 161)

CHESAPEAKE BAY, FISH PARASITES, TREMATODES

1966 DILLON WA  
PROVISIONAL LIST OF PARASITES OCCURRING ON FUNDULUS SPP.  
VIRGINIA J SCIENCE 17, 21-31 (VIMS CONTR 204)

BIBLIOGRAPHIES, FISH PARASITES, LABORATORY ANIMALS, MARINE FISH,  
TREMATODES, KILLIFISHES

1969 KINGSTON N ET ALL  
STUDIES ON LARVAL MONOGENEA OF FISHES FROM THE CHESAPEAKE BAY AREA  
J PARASITOLOGY 55, 544-558 (VIMS CONTR 305)

FISH PARASITES, LARVAL GROWTH STAGE, TREMATODES, YORK RIVER

1969 KINGSTON N, DILLON WA, HARGIS WJ JR  
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J PARASITOLOGY 55, 544-558 (VIMS CONTR 305)

FISH PARASITES, LARVAL GROWTH STAGE, TREMATODES, YORK RIVER

## \*\*\*\*\* FISH PHYSIOLOGY

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1958 LADD EC  
COMPARATIVE STUDY OF MERISTIC VARIATION IN THE AMERICAN EEL (ANGUILLA  
ROSTRATA) AND ATLANTIC ANCHOVY (ANCHOA MITCHILLI)  
VIMS THESIS

FISH PHYSIOLOGY, FISH POPULATIONS, JAMES RIVER, RAPPAHANNOCK RIVER,  
VARIABILITY, YORK RIVER

1966 HOGARTH WT, WOOLCOTT MS  
MOUNTAIN STRIPEBACK DARTER, PERCINA NOTOGRAMMA MONTUOSA, N SSP FROM UPPER  
JAMES RIVER, VA  
CHES SCIENCE 7, 101-109

FISH PHYSIOLOGY, JAMES RIVER, VARIABILITY

## \*\*\*\*\* FISH POPULATIONS

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1949 MARSHALL N  
A SUMMARY STATEMENT OF THE STATUS OF OUR KNOWLEDGE OF THE MARINE  
FISHERIES OF VIRGINIA  
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BASS, CATCH, CHESAPEAKE BAY, CRABS, FISH POPULATIONS, OYSTERS, STREAM  
IMPROVEMENT

1950 RANEY EC  
FRESHWATER FISHES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
151-194

FISH POPULATIONS, FISH TAXONOMY, FRESHWATER FISH, JAMES RIVER

1958 LADD EC  
COMPARATIVE STUDY OF MERISTIC VARIATION IN THE AMERICAN EEL (ANGUILLA  
ROSTRATA) AND ATLANTIC ANCHOVY (ANCHOA MITCHILLI)  
VIMS THESIS

FISH PHYSIOLOGY, FISH POPULATIONS, JAMES RIVER, RAPPAHANNOCK RIVER,  
VARIABILITY, YORK RIVER

1960 MASSMANN WH, PACHECO AL  
DISAPPEARANCE OF YOUNG ATLANTIC CROAKERS FROM THE YORK RIVER, VIRGINIA  
AMER FISHERIES SOC TRANS 89, 154-159 (VIMS CONTR 91)

CROAKER, FISH POPULATIONS, JAMES RIVER, YORK RIVER

1968 DAVIS J  
POTENTIAL FOR AN INDUSTRIAL TRAWL FISHERY IN CHESAPEAKE BIGHT  
VIRGINIA J SCIENCE 19, 177 (VIMS CONTR 273)

COMMERCIAL FISHING, FISH POPULATIONS, MIGRATION PATTERNS, SEASONAL  
DISTRIBUTION, TRAWLING

## \*\*\*\*\* FISH TAXONOMY

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 210-216

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 216-234

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 200-210

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 192-197

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, MULLET

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 197-199

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 199-200

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 164-178

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FLATFISH, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 178-187

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SUBSIDENCE

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 187-192

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SOIL CEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 151-152

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 152-154

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 134-145

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
KILLIFISHES

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 145-147

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY

164

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 147-151

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 129-130

CATFISHES, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 130-131

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 132-134

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, PIKE, TROUT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 117-120

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TARIFF

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 120-127

CARP, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 127-129

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 102-105

ANADROMOUS FISH, ATLANTIC MENHADEN, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 108-111

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 85-89

ANADROMOUS FISH, BLUEBACK HERRING, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 89-93

ALEWIVES, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY,  
HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 93-100

AMERICAN SHAD, ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 77-78

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FRESHWATER FISH, GARS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 78-80

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 81-115

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 44-54

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SNOW COVER

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 55-72

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SOIL DENSITY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 72-77

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 234-236

CHESAPEAKE BAY, COBIA, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 236-238

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 238-244

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TENSILE  
STRESS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 244-247

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, WHITE PERCH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 247-249

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, SURFACE TENSION

167

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 250-253

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SEA BASSES

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 253-268

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 261-265

CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SCUP

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269-271

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-276

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAMBEDS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 283-287

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, CROAKER,  
DISTRIBUTION, FISH TAXONOMY

168

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 296-299

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAMFLOW FORECASTING

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 300-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, GREY SEA TROUT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 305-312

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 312-316

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 316-317

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 317-321

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 321-322

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 322-328

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 328-329

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 329-353

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 353-354

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 354-355

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1950 MARSHALL N  
MARINE FISHES AND INVERTEBRATES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
139-150

ANADROMOUS FISH, CATCH, DRAINAGE SYSTEMS, FISH TAXONOMY, JAMES RIVER,  
OYSTERS, RIVER BASINS

1950 RANEY EC  
FRESHWATER FISHES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
151-194

FISH POPULATIONS, FISH TAXONOMY, FRESHWATER FISH, JAMES RIVER

\*\*\*\*\* FISHERIES

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 8-32

CHESAPEAKE BAY, COMMERCIAL FISH, FISHERIES, MARINE FISH

1948 MARSHALL N  
REPORT ON PAST AND CURRENT FISHERIES RESEARCH ACTIVITIES DIRECTLY  
RELATING TO VIRGINIA  
VIMS SPEC SCIENTIFIC REPT 3

ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, FISHERIES, RESEARCH AND  
DEVELOPMENT

1952 MASSMANN WH ET AL  
A BIOLOGICAL SURVEY OF THE RAPPAHANNOCK RIVER, VA.  
VIMS SPEC SCIENTIFIC REPT 6

CHESAPEAKE BAY, COMMERCIAL FISHING, EFFLUENTS, FISHERIES, RAPPAHANNOCK  
RIVER, STREAM STABILIZATION

1968 MCHUGH JL  
FISHERIES OF CHESAPEAKE BAY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 135-160

CATCH, CHESAPEAKE BAY, COMMERCIAL FISHING, FISHERIES, STREAM IMPROVEMENT

\*\*\*\*\* FISHING

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1967 VIRGINIA MARINE RESOURCES STUDY COMMISSION  
MARINE RESOURCES OF VIRGINIA--THEIR USE, CONSERVATION AND DEVELOPMENT.  
REPORT TO THE GOVERNOR AND THE GENERAL ASSEMBLY OF VIRGINIA  
RICHMOND, VA DEPT PURCHASES AND SUPPLY

ADMINISTRATIVE DECISIONS, CONSERVATION, FISHING, RESEARCH FACILITIES,  
VIRGINIA, WATER RESOURCES DEVELOPMENT

\*\*\*\*\* FISHING GEAR

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1947 ANDREWS E  
CRAB POT CONSTRUCTION--CHESAPEAKE BAY TYPE  
US FISH AND WILDLIFE SERVICE FISHERY LEAFLET 262

CRAB INDUSTRY, CRABS, FISHING GEAR, TRAPPING

1948 ANDREWS E  
TROTLINE CONSTRUCTION, OPERATION, AND MAINTENANCE  
US FISH AND WILDLIFE SERVICE FISHERY LEAFLET 291

CRAB INDUSTRY, CRABS, FISHING GEAR

1961 UNITED STATES ARMY CORPS OF ENGINEERS  
CHESAPEAKE BAY FISHING HARBORS ECONOMIC STUDY, MARYLAND AND VIRGINIA  
BOARD OF ENGINEERS FOR RIVERS AND HARBORS, WASHINGTON, D.C.

CHESAPEAKE BAY, COMMERCIAL FISHING, FINFISH INDUSTRY, FISHING GEAR,  
OYSTER INDUSTRY

1962 ISAACSON PA  
MODIFICATIONS OF THE CHESAPEAKE BAY COMMERCIAL CRAB POT  
VIMS THESIS

CHESAPEAKE BAY, CRAB INDUSTRY, FISHING GEAR

1969  
PROHIBITED AREA FOR PATENT TONGS  
VA CODE, 1950, 28.1-83

CORROTOMAN RIVER, FISHING GEAR, JAMES RIVER, LEGAL ASPECTS, MOB JACK BAY,  
PIANKATANK RIVER, RAPPAHANNOCK RIVER

1970  
USE OF HAUL SEINE IN JAMES RIVER  
VA CODE, 1950, 28.1-51.2

FINFISH INDUSTRY, FISHING GEAR, JAMES RIVER, LEGAL ASPECTS

\*\*\*\*\* FLATFISH \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 164-178

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FLATFISH, MARINE FISH

\*\*\*\*\* FLOOD CONTROL \*\*\*\*\*

1932 YOUNG GR  
REPORT ON JAMES RIVER, VA, IN ACCORDANCE WITH HOUSE DOC 308, 69TH CONG  
1ST SESS  
VOL 1 +14 APP. NORFOLK, US ENGINEER OFFICE

ECONOMICS, FLOOD CONTROL, FUTURE PLANNING (PROJECTED), IRRIGATION, JAMES  
RIVER, NAVIGATION, RIVER BASINS

1947 RANDOLPH OR  
THE JAMES--VIRGINIA'S RIVER  
VA WILDLIFE 8(8), 3-5

FLOOD CONTROL, JAMES RIVER, WATER RESOURCES DEVELOPMENT

1948 UNITED STATES CONGRESS  
JAMES RIVER, VA  
BOTH CONG, 1ST SESS HOUSE DOC 207 (INCLUDES MAP)

ECONOMICS, FLOOD CONTROL, JAMES RIVER, RIVER BASIN DEVELOPMENT, THERMAL  
RADIATION

1949 SCRUGGS PL  
CLEANING THE JAMES  
REPRINTED FROM THE LYNCHBURG NEWS, APRIL 3, 1949

DAMS, FLOOD CONTROL, JAMES RIVER, WATER POLLUTION

1970 WALKER WR, JOHNSON TW  
FLOOD DAMAGE ABATEMENT--FEDERAL ASSISTANCE TO LOCAL GOVERNMENT  
VA POLYTECHNIC INST WATER RESOUR RESEARCH CENT BULL 39

FLOOD CONTROL, GOVERNMENT SUPPORTS, JAMES RIVER, UNITED STATES

1970 UNITED STATES ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT  
FLOOD PLAIN INFORMATION, RAPPAHANNOCK RIVER, FREDERICKSBURG, SPOTSYLVANIA  
AND STAFFORD COUNTIES, VIRGINIA  
UNNUMBERED REPT

DAMS, DESIGN FLOOD, FLOOD CONTROL, FLOOD PLAINS, RAPPAHANNOCK RIVER,  
REGIONAL FLOOD

1971 NATIONAL PARK SERVICE  
SALEM CHURCH PROJECT, RAPPAHANNOCK RIVER, VIRGINIA--RECREATION APPENDIX  
US DEPARTMENT OF THE INTERIOR, BUREAU OF OUTDOOR RECREATION

FLOOD CONTROL, HYDROELECTRIC POWER, RAPPAHANNOCK RIVER, RECREATION,  
CONTROL STRUCTURES

\*\*\*\*\* FLOOD DAMAGE \*\*\*\*\*

1969 VIRGINIA MARINE RESOURCES COMMISSION  
HURRICANE CAMILLE EFFECTS IN ESTUARINE AREAS  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION-- 26AUG, 23SEPT

FLOOD DAMAGE, HURRICANES, JAMES RIVER, OYSTERS, YORK RIVER

1970 VIRGINIA BOARD OF CONSERVATION AND ECONOMIC DEVELOPMENT  
ANNUAL REPORT TO THE GOVERNOR...ON THE STATUS OF VIRGINIA'S WATER  
RESOURCES 1969-70  
RICHMOND, REPORT OF THE BOARD

FLOOD DAMAGE, SUPERIMPOSED DRAINAGE, THERMAL CONDUCTIVITY, VIRGINIA,  
WATER POLICY

\*\*\*\*\* FLOOD PLAINS \*\*\*\*\*

1970 UNITED STATES ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT  
FLOOD PLAIN INFORMATION, RAPPAHANNOCK RIVER, FREDERICKSBURG, SPOTSYLVANIA  
AND STAFFORD COUNTIES, VIRGINIA  
UNNUMBERED REPT

DAMS, DESIGN FLOOD, FLOOD CONTROL, FLOOD PLAINS, RAPPAHANNOCK RIVER,  
REGIONAL FLOOD

## \*\*\*\*\* FLOOD PROTECTION \*\*\*\*\*

1948 VIRGINIA DIVISION OF PLANNING AND ECONOMIC DEVELOPMENT  
PROPOSED DEVELOPMENT OF THE JAMES RIVER  
RICHMOND, BY THE DIVISION

FLOOD PROTECTION, FUTURE PLANNING (PROJECTED), JAMES RIVER, RESERVOIRS,  
WATER RESOURCES DEVELOPMENT

## \*\*\*\*\* FLOODS \*\*\*\*\*

1937 UNITED STATES GEOLOGICAL SURVEY  
THE FLOODS OF MARCH 1936. PART 3- POTOMAC, JAMES, AND UPPER OHIO RIVERS  
US GEOL SURV WATER-SUPPLY PAPER 800

FLOODS, FLOODWATER, HISTORIC FLOOD, JAMES RIVER, PEAK DISCHARGE, POTOMAC  
RIVER

1932  
GREAT FLOODS IN JAMES RIVER  
APPENDIX 2 IN YOUNG GR, REPT ON JAMES RIVER, VA (Q.V.)

FLOODS, HISTORIC FLOOD, JAMES RIVER

1940 MCGAUHEY PH, SNYDER HB, JR  
HYDROLOGY OF VIRGINIA. PT 2-FLOOD STUDIES, STORMS THAT HAVE CAUSED GREAT  
FLOODS, GREAT RAINFALLS  
VA POLYTECHNIC INSTITUTE BULL 33(10)

FLOODS, HYDROLOGIC DATA, RAINFALL, SULFATES, VIRGINIA

1951 COLEMAN ED  
THE GREAT FRESH OF 1771  
VIRGINIA CAVALCADE 1(2), 20-22

FLOODS, HISTORIC FLOOD, JAMES RIVER

## \*\*\*\*\* FLOODWATER \*\*\*\*\*

1937 UNITED STATES GEOLOGICAL SURVEY  
THE FLOODS OF MARCH 1936. PART 3- POTOMAC, JAMES, AND UPPER OHIO RIVERS  
US GEOL SURV WATER-SUPPLY PAPER 800

FLOODS, FLOODWATER, HISTORIC FLOOD, JAMES RIVER, PEAK DISCHARGE, POTOMAC  
RIVER

## \*\*\*\*\* FLOW CHARACTERISTICS \*\*\*\*\*

1959 CLINE CH, FISHER LJ  
FLUSHING TIME AND DISPERSION OF CONTAMINANTS IN TIDAL WATERS WITH  
APPLICATION TO THE JAMES RIVER  
US NAVY HYDROGRAPHIC OFFICE, UNPUBL MS

DIFFUSION, DISPERSION, FLOW CHARACTERISTICS, JAMES RIVER, WATER POLLUTION

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 227

CLIMATIC DATA, FLOW CHARACTERISTICS, GROUNDWATER, HYDROLOGIC ASPECTS,  
LONG-TERM PLANNING, RIVER BASINS, THEIS EQUATION, YORK RIVER

## \*\*\*\*\* FLOW CONTROL \*\*\*\*\*

1965 HAVEN DS, MORALES-ALAMO R  
APPARATUS FOR HOLDING INDIVIDUAL OYSTERS UNDER EQUAL WATER FLOWS  
LIMNOL OCEANOGR 10, 605-606 (VIMS CONTR 198)

FLOW CONTROL, FLOW RATES, LABORATORY EQUIPMENT, OYSTERS

## \*\*\*\*\* FLOW RATES \*\*\*\*\*

1965 HAVEN DS, MORALES-ALAMO R  
APPARATUS FOR HOLDING INDIVIDUAL OYSTERS UNDER EQUAL WATER FLOWS  
LIMNOL OCEANOGR 10, 605-606 (VIMS CONTR 198)

FLOW CONTROL, FLOW RATES, LABORATORY EQUIPMENT, OYSTERS

## \*\*\*\*\* FLUCTUATION \*\*\*\*\*

1966 PATTEN RC ET AL  
VERTICAL DISTRIBUTION AND SINKING CHARACTERISTICS OF SESTON IN THE LOWER  
YORK RIVER, VIRGINIA  
CHES SCI 7, 20-29 (VIMS CONTR 209)

FLUCTUATION, INORGANIC COMPOUNDS, METHODOLOGY, ORGANIC MATTER,  
PHYTOPLANKTON, SESTON, YORK RIVER

## \*\*\*\*\* FLUORESCENCE \*\*\*\*\*

1966 HAVEN DS, MORALES-ALAMO R  
USE OF FLUORESCENT PARTICLES TO TRACE OYSTER BIODEPOSITS IN MARINE  
SEDIMENTS  
VIMS CONTR 194

BIODEPOSITION, FLUORESCENCE, OYSTERS, SEDIMENTS



1966 BARRON JH ET AL  
 FLUORESCENT-ANTIBODY STUDIES OF HAPLOSPORIDIAN PARASITES OF OYSTERS IN  
 CHESAPEAKE AND DELAWARE BAY  
 SCIENCE 153(3743), 1531-1533

ANIMAL PATHOLOGY, CHESAPEAKE BAY, DELAWARE, FLUORESCENCE, MSX, OYSTERS,  
 STREAM GAGES

\*\*\*\*\* FLUORIDES \*\*\*\*\*

1950 SINNOTT A, WHETSTONE GW  
 OCCURRENCE OF FLUORIDE IN THE GROUND WATERS OF THE VIRGINIA COASTAL PLAIN  
 AMER CHEM SOC VA SECT BULL 28, 45-50

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, FLUORIDES, GROUNDWATER,  
 VIRGINIA

1962 SINNOTT A, WHETSTONE GW  
 FLUORIDE IN WELL WATERS OF THE VIRGINIA COASTAL PLAIN  
 VA MINERALS 8(1), 4-11

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, FLUORIDES, GROUNDWATER,  
 VIRGINIA, WATER WELLS

\*\*\*\*\* FOOD HABITS \*\*\*\*\*

1963 MASSMANN WH  
 SUMMER FOOD OF JUVENILE AMERICAN SHAD IN VIRGINIA WATERS  
 CHES SCI 4, 167-171 (VIMS CONTR 152)

AMERICAN SHAD, FOOD HABITS, JUVENILE FISHES, VIRGINIA

1966 FLEMER DA, WOOLCOTT WS  
 FOOD HABITS AND DISTRIBUTION OF THE FISHES OF TUCKAHOE CREEK, VA., WITH  
 SPECIAL EMPHASIS ON THE BLUEGILL...  
 CHESAPEAKE SCIENCE 7, 75-89

FOOD HABITS, JAMES RIVER, STREAM IMPROVEMENT

1970 MARKLE DF, GRANT GC  
 THE SUMMER FOOD HABITS OF YOUNG-OF-THE YEAR STRIPED BASS IN THREE  
 VIRGINIA RIVERS  
 CHES SCI 11, 50-54 (VIMS CONTR 321)

FOOD HABITS, SURFACE TENSION, VIRGINIA

1970 HAVEN DS, MORALES-ALAMO R  
 FILTRATION OF PARTICLES FROM SUSPENSION BY THE AMERICAN OYSTER  
 CRASSOSTREA VIRGINICA  
 BIOL BULL 139, 248-264 (VIMS CONTR 356)

FILTRATION, FOOD HABITS, OYSTERS, VIRGINIA

\*\*\*\*\* FOODS \*\*\*\*\*

1965 HAVEN DS  
 SUPPLEMENTAL FEEDING OF OYSTERS WITH STARCH  
 CHES SCI 6, 43-51 (VIMS CONTR 166)

FOODS, OYSTERS, SOCIAL ASPECTS, STARCH

\*\*\*\*\* FORAMINIFERA \*\*\*\*\*

1956 MCLEAN JD, JR  
 FORAMINIFERA OF THE YORKTOWN FORMATION IN THE YORK-JAMES PENINSULA, WITH  
 NOTES ON THE ASSOCIATED MOLLUSKS  
 BULLS AM PALEONTOLOGY 36, 255-394

FORAMINIFERA, GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, MOLLUSKS,  
 PALEONTOLOGY, SULFUR BACTERIA, YORK RIVER

1960 SABOL JW  
 THE MICROFAUNA OF THE YORKTOWN FORMATION FROM JAMES RIVER, SURRY COUNTY,  
 VIRGINIA  
 BULLS AM PALEONTOLOGY 41, 211-245

FORAMINIFERA, GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, MOLLUSKS,  
 OSTRACODS, PALEONTOLOGY, SULFUR BACTERIA

1962 GIBSON TG  
 BENTHONIC FORAMINIFERA AND PALEOECOLOGY OF THE MIOCENE DEPOSITS OF THE  
 MIDDLE ATLANTIC COASTAL PLAIN  
 PRINCETON DISSERTATION

ATLANTIC COASTAL PLAIN, FORAMINIFERA, MIOCENE EPOCH, PALEONTOLOGY, SULFUR  
 BACTERIA

1965 ELLISON R ET AL  
 DISTRIBUTION OF RECENT FORAMINIFERA IN THE RAPPAHANNOCK RIVER ESTUARY  
 VIMS SPECIAL SCIENTIFIC REPT 47

DATA COLLECTIONS, DISTRIBUTION, ESTUARIES, FORAMINIFERA, RAPPAHANNOCK  
 RIVER, SEDIMENTS

1966 MCLEAN JD JR  
 MIOCENE AND PLEISTOCENE FORAMINIFERA AND OSTRACODA OF SOUTHEASTERN  
 VIRGINIA  
 VA DIV MINERAL RESOURCES REPORT OF INVESTIGATIONS 9

CHESAPEAKE BAY, FORAMINIFERA, JAMES RIVER, MIOCENE EPOCH, OSTRACODS,  
 PALEONTOLOGY, PLEISTOCENE EPOCH, SULFUR BACTERIA, YORK RIVER

1965 NORTON W  
DISTRIBUTION VARIATIONS OF ESTUARINE BENTHONIC FORAMINIFERA IN A CHANGING ENVIRONMENT  
VIMS MS

BENTHIC FAUNA, DROUGHTS, ESTUARINE ENVIRONMENT, FORAMINIFERA, JAMES RIVER, SALINE WATER INTRUSION

1969 NORTON W  
JAMES RIVER FORAMINIFERA  
VA INST MARINE SCIENCE DATA REPORT 6

FORAMINIFERA, JAMES RIVER

1969 NICHOLS M, NORTON W  
FORAMINIFERAL POPULATIONS IN A COASTAL PLAIN ESTUARY  
PALAEOGEOGRAPHY, PALAEOCLIMATOLOGY, PALAEOECOLOGICAL 6, 197-213

AQUATIC POPULATIONS, BENTHIC FAUNA, FORAMINIFERA, JAMES RIVER, SALINITY

1970 ELLISON RL, NICHOLS MM  
ESTUARINE FORAMINIFERA FROM THE RAPPAHANNOCK RIVER, VIRGINIA  
VIMS CONTR 244

BENTHIC FAUNA, FORAMINIFERA, RAPPAHANNOCK RIVER

\*\*\*\*\* FORESTRY \*\*\*\*\*

1929 LODEWICK JE  
WOOD-USING INDUSTRIES OF VIRGINIA  
VA POLYTECH INST BULL VOL 23 NO 1

FORESTRY, INDUSTRIES, LUMBERING, VIRGINIA

\*\*\*\*\* FORESTS \*\*\*\*\*

1955 GOTTMANN J  
VIRGINIA AT MID-CENTURY  
HENRY HOLT AND COMPANY, NEW YORK

AGRICULTURE, FORESTS, GEOGRAPHICAL REGIONS, HISTORY, INDUSTRIES, MINING, NATURAL RESOURCES, VIRGINIA

\*\*\*\*\* FOULING \*\*\*\*\*

1927 VISSCHER JP  
NATURE AND EXTENT OF FOULING OF SHIPS' BOTTOMS  
US BUR FISH BULL 43, 193-252

FOULING

1958 MALONEY WE  
STUDY OF THE TYPES, SEASONS OF ATTACHMENT, AND GROWTH OF FOULING ORGANISMS IN THE APPROACHES TO NORFOLK, VIRGINIA  
USNHO TECH REPT TR-47

BENTHIC FAUNA, CHESAPEAKE BAY, FOULING, SEASONAL DISTRIBUTION

1961 DAUGHERTY FM JR  
MARINE BIOLOGICAL FOULING IN THE APPROACHES TO CHESAPEAKE BAY  
USNHO TECH REPT TR-96

BENTHIC FAUNA, CHESAPEAKE BAY, FOULING

1966 CALDER DR  
ECOLOGY OF MARINE INVERTEBRATE FOULING ORGANISMS IN HAMPTON ROADS, VIRGINIA  
(VIMS THESIS)

BARNACLES, BENTHIC FAUNA, FOULING, GASTROPODS, HYDROZOA, INVERTEBRATES, JAMES RIVER, SEASONAL DISTRIBUTION

1967 CALDER DR, BREHMER ML  
SEASONAL OCCURRENCE OF EPIFAUNA ON TEST PANELS IN HAMPTON ROADS, VIRGINIA  
INTL J OCEANOLOG LIMNOL 1, 149-164 (VIMS CONTR 251)

BARNACLES, BENTHIC FAUNA, FOULING, HYDROZOA, INVERTEBRATES, JAMES RIVER, SEASONAL DISTRIBUTION

\*\*\*\*\* FRESHWATER \*\*\*\*\*

1959 ANDREWS JD ET AL  
FRESH-WATER KILL OF OYSTERS (CRASSOSTREA VIRGINICA) IN JAMES RIVER, VA,  
1958  
NATL SHELLFISHERIES ASSOC PROC 49, 29-49 (VIMS CONTR 87)

FRESHWATER, JAMES RIVER, MORTALITY, OYSTERS, SALINITY

\*\*\*\*\* FRESHWATER FISH \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 129-130

CATFISHES, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 132-134

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, PIKE, TROUT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 117-120

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TARIFF

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 120-127

CARP, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 77-78

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FRESHWATER FISH, GARS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 236-238

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 238-244

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TENSILE  
STRESS

1943 MENZEL RW  
NOTES ON THE BIOLOGY AND COMMERCIAL FISHERY OF THE CATFISH OF THE JAMES  
RIVER, VIRGINIA  
VIMS THESIS

CATFISHES, COMMERCIAL FISHING, FRESHWATER FISH, JAMES RIVER

1943 MENZEL RW  
THE CATFISH FISHERY OF VIRGINIA  
AMER FISHERIES SOC TRANS 73, 364-372 (VIMS CONTR 23)

CATFISHES, COMMERCIAL FISHING, FINFISH INDUSTRY, FRESHWATER FISH, JAMES  
RIVER, POTOMAC RIVER

1950 RANEY EC  
FRESHWATER FISHES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
151-194

FISH POPULATIONS, FISH TAXONOMY, FRESHWATER FISH, JAMES RIVER

1971 WORLEY O  
MUSKIES GO WILD ON THE JAMES  
VA WILDLIFE 32, 6-7,21

FRESHWATER FISH, JAMES RIVER, STREAM STABILIZATION

1971 ANDREWS JD  
FISH FOR BEAUTY IN DISMAL SWAMP...  
VIRGINIA JOURNAL OF SCIENCE 22, 5-13

CONSERVATION, ECOLOGY, FRESHWATER FISH, DISMAL SWAMP (NC-VA), WILDLIFE,  
WETLANDS

\*\*\*\*\* FROGS

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1950 CARROLL RP  
AMPHIBIA AND REPTILES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
195-211

AMPHIBIANS, CLASSIFICATION, FROGS, JAMES RIVER, REPTILES, SALAMANDERS,  
SOIL STERILANTS, TURTLES

\*\*\*\*\* FUNGI

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1945 ROGERS MR  
DISTRIBUTION OF THE FUNGUS LAGENIDIUM CALLINECTES COUCH AND ITS EFFECT ON  
EGGS OF THE BLUE CRAB  
VIMS THESIS

ANIMAL PARASITES, CRABS, FUNGI, YORK RIVER

1962 SCOTT WW  
THE AQUATIC PHYCOMYCETOUS FLORA OF MARINE AND BRACKISH WATERS IN THE  
VICINITY OF GLOUCESTER POINT, VIRGINIA  
VIMS SPEC SCI REPT 36

BRACKISH WATER, FUNGI, MARINE FUNGI, YORK RIVER

\*\*\*\*\* FUTURE PLANNING (PROJECTED)

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1854 VIRGINIA BOARD OF PUBLIC WORKS  
REPORT OF THE PRINCIPAL ENGINEER OF THE BOARD OF PUBLIC WORKS, ON THE  
SUBJECT OF THE SURVEY OF JAMES AND KANAWHA RIVERS...  
RICHMOND, COLIN AND NOWLAN

CANALS, ESTIMATED COSTS, FUTURE PLANNING (PROJECTED), JAMES RIVER,  
NAVIGATION, THERMAL RADIATION

181

1932 YOUNG GR  
REPORT ON JAMES RIVER, VA, IN ACCORDANCE WITH HOUSE DOC 308, 69TH CONG  
1ST SESS  
VOL 1 +14 APP. NORFOLK, US ENGINEER OFFICE

ECONOMICS, FLOOD CONTROL, FUTURE PLANNING (PROJECTED), IRRIGATION, JAMES  
RIVER, NAVIGATION, RIVER BASINS

1942  
VIRGINIA SCIENTISTS ADOPT NOVEL PROGRAM. JAMES RIVER PROJECT TO BE MODEL  
FOR FUTURE LONG RANGE PLANNING  
VA WILDLIFE 5, 66-68

FUTURE PLANNING (PROJECTED), JAMES RIVER, RIVER BASIN DEVELOPMENT, WATER  
RESOURCES DEVELOPMENT

1948 CLINE JH, STOW MH  
THE JAMES RIVER PROJECT OF THE VIRGINIA ACADEMY OF SCIENCE  
VIRGINIA WILDLIFE 9(2), 15-17,22

FUTURE PLANNING (PROJECTED), JAMES RIVER, RIVER BASIN DEVELOPMENT

1948 VIRGINIA DIVISION OF PLANNING AND ECONOMIC DEVELOPMENT  
PROPOSED DEVELOPMENT OF THE JAMES RIVER  
RICHMOND, BY THE DIVISION

FLOOD PROTECTION, FUTURE PLANNING (PROJECTED), JAMES RIVER, RESERVOIRS,  
WATER RESOURCES DEVELOPMENT

1966 HARGIS WJ, JR  
FINAL REPORT ON RESULTS OF OPERATION JAMES RIVER  
VIMS SPEC REPT IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING 7

CHANNEL IMPROVEMENT, ECOLOGICAL IMPACT, FUTURE PLANNING (PROJECTED),  
HYDRAULIC MODELS, JAMES RIVER, OYSTER INDUSTRY, WATER RESOURCES  
DEVELOPMENT

1967 ADMINISTRATIVE RESEARCH ASSOCIATES  
HAMPTON, VIRGINIA WATERFRONT ECONOMIC STUDY  
HAMPTON, VIRGINIA CITY PLANNING COMMISSION

CITY PLANNING, FUTURE PLANNING (PROJECTED), LAND DEVELOPMENT, POPULATION  
DYNAMICS, URBAN RENEWAL

1969 VIRGINIA DIVISION OF WATER RESOURCES  
JAMES RIVER BASIN COMPREHENSIVE WATER RESOURCES PLAN. VOL 1-INTRODUCTION  
RICHMOND (ITS PLANNING BULLETIN 213)

FUTURE PLANNING (PROJECTED), JAMES RIVER, SALINITY, WATER RESOURCES  
DEVELOPMENT

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1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 225

AGRICULTURE, ECONOMICS, ELECTRIC POWER PRODUCTION, FUTURE PLANNING  
(PROJECTED), GEOLOGY, GROUNDWATER, MINERALOGY, RECREATION, THERMAL  
CONDUCTIVITY, YORK RIVER

1972 CHESAPEAKE RESEARCH CONSORTIUM, INC.  
THE CHESAPEAKE BAY  
VOLUME I-A PROPOSAL FOR RESEARCH APPLIED TO NATIONAL NEEDS

CHESAPEAKE BAY, FUTURE PLANNING (PROJECTED), MANAGEMENT, PROJECT  
PLANNING, RESOURCE DEVELOPMENT, WETLANDS

\*\*\*\*\* GAGING STATIONS

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1965 UNITED STATES GEOLOGICAL SURVEY  
WATER RESOURCES DATA FOR VIRGINIA--1965  
WATER RESOURCES DIVISION

DISCHARGE (WATER), GAGING STATIONS, THEIS EQUATION, VIRGINIA, WATER  
QUALITY, WATER SUPPLY

1969 UNITED STATES GEOLOGICAL SURVEY  
WATER RESOURCES DATA FOR VIRGINIA--1968  
WATER RESOURCES DIVISION

DISCHARGE (WATER), GAGING STATIONS, THEIS EQUATION, VIRGINIA, WATER  
QUALITY, WATER SUPPLY

\*\*\*\*\* GARS

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 77-78

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FRESHWATER FISH, GARS

\*\*\*\*\* GASTROPODS

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1948 GARDNER J  
MOLLUSCA FROM THE MIOCENE AND LOWER PLIOCENE OF VIRGINIA AND NORTH  
CAROLINA. PT 2-SCAPHOPODA AND GASTROPODA  
US GEOL SURVEY PROF PAPER 199-B

GASTROPODS, MOLLUSKS, NORTH CAROLINA, PALEONTOLOGY, SHELLFISH, VIRGINIA

1961 HARGIS WJ JR, MACKENZIE CL JR  
SEXUAL BEHAVIOR OF THE OYSTER DRILLS--EUPLEURA CAUDATA AND UROSALPINK  
CINEREA  
NAUTILUS 75, 7-16 (VIMS CONTR 100)

GASTROPODS, OYSTER DRILLS, REPRODUCTION, ANIMAL PARASITES

1965 WASS ML  
CHECK LIST OF THE MARINE INVERTEBRATES OF VIRGINIA  
VIMS SPEC SCIENTIFIC REPT 24 (THIRD REV)

BENTHIC FAUNA, CLASSIFICATION, EASTERN SHORE (VA-MD), GASTROPODS,  
INVERTEBRATES, VIRGINIA

1966 CALDER DR  
ECOLOGY OF MARINE INVERTEBRATE FOULING ORGANISMS IN HAMPTON ROADS,  
VIRGINIA  
(VIMS THESIS)

BARNACLES, BENTHIC FAUNA, FOULING, GASTROPODS, HYDROZOA, INVERTEBRATES,  
JAMES RIVER, SEASONAL DISTRIBUTION

1967 RICHARDS HG  
PLEISTOCENE GASTROPODA OF VIRGINIA  
VIRGINIA MINERALS 13, 15-19

GASTROPODS, PALEONTOLOGY, PLEISTOCENE EPOCH, VIRGINIA

\*\*\*\*\* GEOCHEMISTRY \*\*\*\*\*

1946 CEDERSTROM DJ  
CHEMICAL CHARACTER OF GROUND WATER IN THE COASTAL PLAIN OF VIRGINIA  
VA GEOL SURV BULL 68

ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS, GEOCHEMISTRY, GROUNDWATER,  
VIRGINIA

1946 CEDERSTROM DJ  
GENESIS OF GROUND WATERS IN THE COASTAL PLAIN OF VIRGINIA  
ECONOMIC GEOLOGY 41, 218-245

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS,  
GEOCHEMISTRY, GROUNDWATER, VIRGINIA

1962 YOUNG DK  
CHEMISTRY OF CHESAPEAKE BAY SEDIMENTS  
VIMS THESIS

CHEMICAL ANALYSIS, CHESAPEAKE BAY, GEOCHEMISTRY, SEDIMENTARY PETROLOGY,  
SEDIMENTATION RATES

1966 BACK W  
HYDROCHEMICAL FACIES AND GROUND-WATER FLOW PATTERNS IN NORTHERN PART OF  
ATLANTIC COASTAL PLAIN  
US GEOL SURV PROF PAPER 498-A

ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS, GEOCHEMISTRY, GROUNDWATER  
MOVEMENT, HYDROGEOLOGY, HYDROLOGIC DATA

\*\*\*\*\* GEOGRAPHICAL REGIONS \*\*\*\*\*

1932 STEPHENSON LW ET AL  
CHESAPEAKE BAY REGION  
INTERNATIONAL GEOLOGICAL CONGRESS, 16TH SESSION (US GOVERNMENT PRINTING  
OFFICE)

CHESAPEAKE BAY, GEOGRAPHICAL REGIONS, GEOLOGIC FORMATIONS

1955 GOTTMANN J  
VIRGINIA AT MID-CENTURY  
HENRY HOLT AND COMPANY, NEW YORK

AGRICULTURE, FORESTS, GEOGRAPHICAL REGIONS, HISTORY, INDUSTRIES, MINING,  
NATURAL RESOURCES, VIRGINIA

1963 BOWDEN EV  
DEVELOPMENT OPPORTUNITIES FOR VIRGINIA'S EASTERN SHORE  
OLD DOMINION COLLEGE, NORFOLK, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT OPPORTUNITIES,  
GEOGRAPHICAL REGIONS, INDUSTRIAL PRODUCTION, RECREATION, TOURISM

1970 PROW JW  
STUDY OF GEOGRAPHY IN VIRGINIA  
COLLEGE OF WILLIAM AND MARY, RESEARCH PAPER

EDUCATION, GEOGRAPHICAL REGIONS, VIRGINIA

\*\*\*\*\* GEOLOGIC FORMATIONS \*\*\*\*\*

1878 HEINRICH DJ  
MESOZOIC FORMATION IN VIRGINIA  
AMER INST MINING ENGINEERS TRANS 6, 227-274

COALS, ECONOMICS, GEOLOGIC FORMATIONS, MESOZOIC ERA, PALEONTOLOGY, SULFUR  
BACTERIA

1891 DARTON NH  
MESOZOIC AND CENOZOIC FORMATIONS OF EASTERN VIRGINIA AND MARYLAND  
GEOL SOC AMER BULL 2, 431-450

ATLANTIC COASTAL PLAIN, CENOZOIC ERA, GEOLOGIC FORMATIONS, MARYLAND,  
MESOZOIC ERA, VIRGINIA

1894 DARTON NH  
OUTLINE OF CENOZOIC HISTORY OF A PORTION OF THE MIDDLE ATLANTIC SLOPE  
J GEOL 2, 568-587

ATLANTIC COASTAL PLAIN, CENOZOIC ERA, GEOLOGIC FORMATIONS, MARYLAND,  
VIRGINIA

1895 WARD LF  
THE POTOMAC FORMATION  
US GEOL SURV 15TH ANN REPT, 313-397

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, PALEONTOLOGY, PLANTS, SULFUR  
BACTERIA

1911 DARTON NH  
ECONOMIC GEOLOGY OF RICHMOND, VIRGINIA, AND VICINITY  
US GEOL SURV BULL 483

CLAYS, DIATOMACEOUS EARTH, EARTH MATERIALS, ECONOMICS, GEOLOGIC  
FORMATIONS, GRANITES, JAMES RIVER

1912 CLARK WB, MILLER BL  
PHYSIOGRAPHY AND GEOLOGY OF THE COASTAL PLAIN PROVINCE OF VIRGINIA...  
VA GEOL SURVEY BULL 4

ATLANTIC COASTAL PLAIN, EARTH MATERIALS, GEOLOGIC FORMATIONS, GEOLOGY,  
GEOMORPHOLOGY, MINERAL INDUSTRY, PALEONTOLOGY, SEDIMENTARY PETROLOGY,  
VIRGINIA

1928 MANSFIELD WC  
NEW FOSSIL MOLLUSKS FROM THE MIOCENE OF VIRGINIA AND NORTH CAROLINA, WITH  
A BRIEF OUTLINE OF THE DIVISIONS OF THE CHESAPEAKE GROUP  
US NATL MUSEUM PROC 74, ARTICLE 14

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, MIOCENE EPOCH, MOLLUSKS,  
NORTH CAROLINA, PALEONTOLOGY, SULFUR BACTERIA, VIRGINIA

1930 ANDEREGG F  
STRATIGRAPHY AND PALEONTOLOGY OF THE YORKTOWN FORMATION OF VIRGINIA  
UNIVERSITY OF VA MASTERS THESIS

GEOLOGIC FORMATIONS, JAMES RIVER, PALEONTOLOGY, SULFUR BACTERIA, YORK  
RIVER

1939 CEDERSTROM DJ  
GEOLOGY AND ARTESIAN-WATER RESOURCES OF A PART OF THE SOUTHERN VIRGINIA  
COASTAL PLAIN  
VA GEOL SURV BULL 51-E

AQUIFER CHARACTERISTICS, AQUIFERS, ARTESIAN WELLS, ATLANTIC COASTAL  
PLAIN, GEOLOGIC FORMATIONS, JAMES RIVER, VIRGINIA

1939 BROWN WR  
COASTAL PLAIN GEOLOGY OF THE RICHMOND AREA, VIRGINIA  
UNIV OF VA MASTERS THESIS

ATLANTIC COASTAL PLAIN, CHICKAHOMINY RIVER, ECONOMICS, GEOLOGIC  
FORMATIONS, JAMES RIVER, PAMUNKEY RIVER, SULFUR BACTERIA, BINDERS

1935 MCGAVOCK CB, JR  
DESCRIPTIONS OF THE MAJORITY OF THE PELECYPODS OF THE YORKTOWN FORMATION  
OF VIRGINIA  
UNIV OF VA MASTERS THESIS

GEOLOGIC FORMATIONS, JAMES RIVER, MOLLUSKS, PALEONTOLOGY, SULFUR  
BACTERIA, YORK RIVER

1932 STEPHENSON LW ET AL  
CHESAPEAKE BAY REGION  
INTERNATIONAL GEOLOGICAL CONGRESS, 16TH SESSION (US GOVERNMENT PRINTING  
OFFICE)

CHESAPEAKE BAY, GEOGRAPHICAL REGIONS, GEOLOGIC FORMATIONS

1950 STOW MH  
GEOLOGY  
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FORMATIONS, GRANITES, JAMES RIVER

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SAND AND GRAVEL RESOURCES OF THE COASTAL PLAIN OF VIRGINIA  
VA GEOL SURVEY BULL 32

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\*\*\*\*\* GREY SEA TROUT \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
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1913 SANFORD S  
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LONG-TERM PLANNING, RIVER BASINS, THEIR EQUATION, YORK RIVER

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RIVERS, VIRGINIA  
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CATALOG OF TYPE LOCALITIES OF COASTAL PLAIN STRATIGRAPHIC UNITS--SUPPL  
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SOUTHEASTERN GEOL 4, 1-78

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PROTECTION, VIRGINIA, WETLANDS

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CRAB, CALLINECTES SAPIDUS RATHBUN  
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HERRINGS

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1948 CLINE JH, STOW MH  
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RADIATION

1948 VIRGINIA DIVISION OF PLANNING AND ECONOMIC DEVELOPMENT  
PROPOSED DEVELOPMENT OF THE JAMES RIVER  
RICHMOND, BY THE DIVISION

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1949 FERGUSON EF, JONES ER  
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CHEMISTRY, EFFLUENTS, INDUSTRIAL PRODUCTION, JAMES RIVER, ORGANIC WASTES

1950 STOW MH  
GEOLOGY  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
435-441

GEOLOGIC FORMATIONS, GEOLOGY, JAMES RIVER, RIVER SYSTEMS, WATERSHEDS  
(BASINS)

1950 VIRGINIA ACADEMY OF SCIENCE, JAMES RIVER PROJECT COMMITTEE  
JAMES RIVER BASIN, PAST, PRESENT AND FUTURE  
RICHMOND, VA ACAD SCIENCE

ANIMAL POPULATIONS, CONSERVATION, ECOLOGY, GEOLOGIC INVESTIGATIONS,  
HISTORY, JAMES RIVER, RECREATION, RIVER BASIN DEVELOPMENT, TRANSPORTATION

1951 ANDREWS JD  
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ECOLOGY 32, 752-758 (VIMS CONTR 34)

JAMES RIVER, OYSTERS, SEASONAL DISTRIBUTION, OYSTER SETTING, DISTRIBUTION  
PATTERNS

1951 ANDREWS JD, COOK C  
RANGE AND HABITAT OF THE CLAM, POLYMESODA CAROLINIANA (BOSC) IN  
VIRGINIA...  
ECOLOGY 32, 758-760 (VIMS CONTR 35)

CLAMS, DISTRIBUTION, HABITATS, JAMES RIVER, SOCIAL ASPECTS

1951 COLEMAN ED  
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VIRGINIA CAVALCADE 1(2), 20-22

FLOODS, HISTORIC FLOOD, JAMES RIVER

1951 PRITCHARD DW  
DATA REPORT, OPERATION OYSTER SPAT 1 AND 2  
CHES BAY INST DATA REPT 7

CHEMICAL ANALYSIS, CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, WATER  
TEMPERATURE

1951 VIRGINIA ADVISORY LEGISLATIVE COUNCIL  
THE SEAFOOD STATUTES AND THE REHABILITATION OF THE SEAFOOD INDUSTRY  
RICHMOND, REPORT OF THE COUNCIL

BEDS UNDER WATER, JAMES RIVER, LEASES, LEGAL ASPECTS, OYSTER INDUSTRY,  
PUBLIC LANDS

1951 VIRGINIA WATER CONTROL BOARD  
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6-SEPT 6 1951, PRELIMINARY REPORT  
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EFFLUENTS, INDUSTRIAL WASTES, JAMES RIVER, WASTE ASSIMILATIVE CAPACITY,  
WATER POLLUTION CONTROL

1951 WALKER RH  
THE JAMES  
VIRGINIA WILDLIFE 12(1), 19-22

HISTORY, JAMES RIVER

1952 HOBBS HH, JR, MASSMANN WH  
RIVER SHRIMP, MACROBRACHIUM OHIONE (SMITH), IN VIRGINIA  
VA J SCIENCE 3, 206-207 (VIMS CONTR 40)

ECOLOGICAL DISTRIBUTION, JAMES RIVER, SOCIAL ASPECTS, SODIUM ARSENITE

1952 MASSMANN WH  
A PRELIMINARY STUDY OF SHAD, ALOSA SAPIDISSIMA (WILSON) SPAWNING IN SOME  
VIRGINIA RIVERS  
(VIMS THESIS)

ALOSIDS, AMERICAN SHAD, JAMES RIVER, MATTAPONI RIVER, PAMUNKEY RIVER,  
RAPPAHANNOCK RIVER, STOCKING

1952 PRITCHARD DW  
PHYSICAL STRUCTURE, CIRCULATION, AND MIXING IN A COASTAL PLAIN ESTUARY  
CHES BAY INST TECH REPT 3

ESTUARIES, JAMES RIVER, SALINE WATER-FRESHWATER INTERFACESSALINITY

1952 WHETSTONE GW, MCAVOY RL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1946-1948  
VA DIVISION OF WATER RESOURCES BULL 11

CHEMICAL ANALYSIS, DISCHARGE (WATER), JAMES RIVER, SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1953 CHESAPEAKE BAY INSTITUTE  
JAMES RIVER WINTER CRUISE 6-11 MAR 1952  
CHES BAY INST DATA REPT 13

CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, SALINITY, WATER  
TEMPERATURE, WEATHER DATA

1953 PRITCHARD DW, KENT RE  
REDUCTION AND ANALYSIS OF DATA FROM JAMES RIVER OPERATION OYSTER SPAT  
CHES BAY INST TECH REPT 6

DATA COLLECTIONS, JAMES RIVER, SALINITY, STRUCTURE, THERMAL RADIATION

1954 ANDREWS JD  
SETTING OF OYSTERS IN VIRGINIA  
NATL SHELLFISH ASSOC PROC 45(1954), 38-46 (VIMS CONTR 53)

JAMES RIVER, OYSTERS, SEASONAL DISTRIBUTION, OYSTER SETTING

1954 GOODWIN OK

EXPLORING THE 'FALLS' OF THE JAMES  
VIRGINIA WILDLIFE 15(9), 18-20

BOATING, JAMES RIVER

1954 MARSHALL N

CHANGES IN THE PHYSIOGRAPHY OF OYSTER BARS IN THE JAMES RIVER, VIRGINIA  
VA J OF SCIENCE 5, 173-181

BEDS UNDER WATER, JAMES RIVER, OYSTER INDUSTRY

1954 MASSMANN WH ET AL

POSTLARVAE AND YOUNG OF THE MENHADEN...IN BRACKISH AND FRESH WATERS OF  
VIRGINIA

COPEIA 1954(1), 19-23 (VIMS CONTR 45)

ATLANTIC MENHADEN, JAMES RIVER, JUVENILE FISHES, LARVAE

1954 PRITCHARD DW

STUDY OF THE SALT BALANCE IN A COASTAL PLAIN ESTUARY  
J MAR RES 13, 133-144 (CHES BAY INST CONTR 16)

ESTUARIES, JAMES RIVER, SALT BALANCE

1954 WOOD JT, GOODWIN OK

OBSERVATIONS ON THE SUMMER BEHAVIOR AND MORTALITY OF BOX TURTLES IN  
EASTERN VIRGINIA

VA J OF SCIENCE 5, 60-64

JAMES RIVER, MORTALITY, TEMPORAL DISTRIBUTION, TURTLES, YORK RIVER

1955 CHESAPEAKE BAY INSTITUTE

JAMES RIVER WINTER CRUISE 2, 13-17 FEB 1953  
CHES BAY INST DATA REPT 25CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, SALINITY, WATER  
TEMPERATURE, WEATHER DATA

1955 WHALEY HH, PRITCHARD DW

PROJECT TUNNEL

CHES BAY INST TUNNEL REPORTS 1-5, JOHNS HOPKINS UNIVERSITY

BRIDGE CONSTRUCTION, JAMES RIVER, SEDIMENTS, TUNNEL CONSTRUCTION

1955 VELZ CJ

REPORT ON SELF-PURIFICATION CAPACITIES LOWER JAMES RIVER HOPEWELL, VA  
NATL COUNCIL FOR STREAM IMPROVEMENT, SCHOOL OF PUBLIC HEALTH, UNIV  
MICHIGAN, UNPUBL MS

JAMES RIVER, SELF-PURIFICATION, WASTE ASSIMILATIVE CAPACITY

1956 MCLEAN JD, JR

FORAMINIFERA OF THE YORKTOWN FORMATION IN THE YORK-JAMES PENINSULA, WITH  
NOTES ON THE ASSOCIATED MOLLUSKS  
BULLS AM PALEONTOLOGY 36, 255-394FORAMINIFERA, GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, MOLLUSKS,  
PALEONTOLOGY, SULFUR BACTERIA, YORK RIVER

1956 PRITCHARD DW

DYNAMIC STRUCTURE OF A COASTAL PLAIN ESTUARY  
J MAR RES 15, 33-42 (CHES BAY INST CONTR 24)CORIOLIS FORCE, ESTUARIES, HYDROLOGIC EQUATION, JAMES RIVER, PHYSICAL  
OCEANOGRAPHY, SALINITY

1956 PRITCHARD DW, KENT RE

METHOD FOR DETERMINING MEAN LONGITUDINAL VELOCITIES IN A COASTAL PLAIN  
ESTUARY

J MAR RES 15, 81-91 (CHES BAY INST CONTR 26)

CURRENTS (WATER), ESTUARIES, HYDROLOGIC EQUATION, JAMES RIVER, PHYSICAL  
OCEANOGRAPHY, SALINITY

1957 BEVAN AC

GEOLOGIC ANCESTRY OF THE YORK-JAMES PENINSULA  
VA J SCIENCE 8, 19-34

GEOMORPHOLOGY, JAMES RIVER, YORK RIVER

1957

BOUNDARY LINES OF CERTAIN LOW GROUNDS ON JAMES RIVER A LAWFUL FENCE  
VA CODE, 1950, 8-872

BOUNDARIES (PROPERTY), JAMES RIVER, LEGAL ASPECTS

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JAMES RIVER VA, IN RELATION TO FISH AND WILDLIFE RESOURCES

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CHANNEL IMPROVEMENT, ECOLOGICAL IMPACT, JAMES RIVER, WILDLIFE  
CONSERVATION

1957 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1951-1955  
VA DIV WATER RESOURCES AND POWER BULL 17

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
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1958 ACADEMY OF NATURAL SCIENCES, PHILADELPHIA. DEPARTMENT OF LIMNOLOGY  
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THE DOW CHEMICAL COMPANY  
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ADSORPTION, ALGAE, BENTHIC FAUNA, BIODASSAY, EFFLUENTS, HEAVY METALS,  
HYDROLOGIC DATA, JAMES RIVER, OYSTERS, PROTOZOA

1958 LADD EC  
COMPARATIVE STUDY OF MERISTIC VARIATION IN THE AMERICAN EEL (ANGUILLA  
ROSTRATA) AND ATLANTIC ANCHOVY (ANCHOA MITCHILLI)  
VIMS THESIS

FISH PHYSIOLOGY, FISH POPULATIONS, JAMES RIVER, RAPPAHANNOCK RIVER,  
VARIABILITY, YORK RIVER

1959 ANDREWS JD ET AL  
FRESH-WATER KILL OF OYSTERS (CRASSOSTREA VIRGINICA) IN JAMES RIVER, VA,  
1958  
NATL SHELLFISHERIES ASSOC PROC 49, 29-49 (VIMS CONTR 87)

FRESHWATER, JAMES RIVER, MORTALITY, OYSTERS, SALINITY

1959 CLINE CH, FISHER LJ  
FLUSHING TIME AND DISPERSION OF CONTAMINANTS IN TIDAL WATERS WITH  
APPLICATION TO THE JAMES RIVER  
US NAVY HYDROGRAPHIC OFFICE, UNPUBL MS

DIFFUSION, DISPERSION, FLOW CHARACTERISTICS, JAMES RIVER, WATER POLLUTION

1960 CLINE CH, MALONEY WE  
FIELD REPORT, JAMES RIVER DYE DISPERSAL TESTS  
US NAVY HYDROGRAPHIC OFFICE, UNPUBL MS

DYE RELEASES, JAMES RIVER, WASTE ASSIMILATIVE CAPACITY

1960 HARGIS WJ, JR  
RESEARCH FOR THE OYSTER INDUSTRY AT VFL  
(VIMS MS)

JAMES RIVER, OYSTER DRILLS, OYSTER INDUSTRY

1960 SABOL JW  
THE MICROFAUNA OF THE YORKTOWN FORMATION FROM JAMES RIVER, SURRY COUNTY,  
VIRGINIA  
BULLS AM PALEONTOLOGY 41, 211-245

FORAMINIFERA, GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, MOLLUSKS,  
OSTRACODS, PALEONTOLOGY, SULFUR BACTERIA

1960 O'CONNOR DJ  
OXYGEN BALANCE OF AN ESTUARY--DELAWARE AND JAMES RIVERS  
AMER SOC CIVIL ENGRS PROC 86(SA3), 35-55

CHEMICAL ANALYSIS, DELAWARE RIVER, JAMES RIVER, OXYGEN

1960 MASSMANN WH, PACHECO AL  
DISAPPEARANCE OF YOUNG ATLANTIC CROAKERS FROM THE YORK RIVER, VIRGINIA  
AMER FISHERIES SOC TRANS 89, 154-159 (VIMS CONTR 91)

CROAKER, FISH POPULATIONS, JAMES RIVER, YORK RIVER

1961 MASSMANN WH, PACHECO AL  
MOVEMENTS OF STRIPED BASS TAGGED IN VIRGINIA WATERS OF CHESAPEAKE BAY  
CHESAPEAKE SCIENCE 2, 37-44 (VIMS CONTR 97)

FISH MIGRATION, JAMES RIVER, RAPPAHANNOCK RIVER, SURFACE TENSION, YORK  
RIVER

1961 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1956-1960  
VA DIV WATER RESOURCES AND POWER BULL 25

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
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1962 ANDREWS JD  
OYSTER MORTALITY STUDIES IN VIRGINIA. 4. MSX IN JAMES RIVER PUBLIC SEED  
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NATL SHELLFISHERIES ASSOC PROC 53, 65-84 (VIMS CONTR 155)

BEDS UNDER WATER, DERMOCYSTIDIUM, JAMES RIVER, MORTALITY, MSX, OYSTERS,  
SALINITY

1962 HOESE HD  
WINTER MORTALITIES OF OYSTERS ON THE EASTERN SHORE OF VIRGINIA, 1959 TO  
1961  
(VIMS MS)

JAMES RIVER, MORTALITY, OYSTERS, WINTER

1962 PATTEN BC  
SYNOPTIC COMPARISON OF SESTON LOADS IN THE RAPPAHANNOCK, YORK AND JAMES RIVERS  
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CHEMICAL ANALYSIS, JAMES RIVER, RAPPAHANNOCK RIVER, SESTON, YORK RIVER

1962 RUHLE JL  
GUIDEBOOK TO THE COASTAL PLAIN OF VIRGINIA NORTH OF THE JAMES RIVER  
VA DIV MINERAL RESOURCES INFORMATION CIRCULAR 6

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JAMES RIVER, SULFUR BACTERIA, VIRGINIA

1962 HARGIS WJ, JR  
CURRENT KNOWLEDGE ON THE HYDROGRAPHY AND BIOLOGY OF THE ESTUARINE PORTION  
OF JAMES RIVER  
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BIOLOGICAL COMMUNITIES, HYDROGRAPHY, JAMES RIVER, SALINE WATER-FRESHWATER  
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1962 HARRISON W  
PLEISTOCENE RECORD IN THE SUBSURFACE OF THE NORFOLK AREA, VIRGINIA  
VA ACAD SCIENCE GUIDEBOOK FOR FIELD TRIPS, NORFOLK MEETING-1962, 37-61

BOREHOLE GEOPHYSICS, CHESAPEAKE BAY, JAMES RIVER, MIOCENE EPOCH,  
PLEISTOCENE EPOCH, SEDIMENTS

1962 UNITED STATES ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT  
REVIEW REPORT ON JAMES RIVER, VIRGINIA  
(2 VOLS) NORFOLK, CORPS OF ENGINEERS REPORT

CHANNEL IMPROVEMENT, COST ALLOCATION, ESTIMATED COSTS, JAMES RIVER,  
NAVIGABLE RIVERS, PROJECT FEASIBILITY

1963 NAGABHUSHNAM R  
SOME OBSERVATIONS ON THE NEUROSECRETION IN THE BIVALVE MOLLUSC,  
BRANCHIDONTES RECURVUS (RAFINESQUE)  
ANATOMICAL SOC OF INDIA J 12(2), 54-56 (VIMS CONTR 178)

JAMES RIVER, MOLLUSKS, MUSSELS

1963 HARGIS WJ, JR  
JAMES RIVER BASIN--GREAT NATURAL RESOURCE  
(VIMS MS)

JAMES RIVER, RIVER BASIN DEVELOPMENT, WATER RESOURCES DEVELOPMENT

1963 VIRGINIA COMMISSION TO STUDY MATTERS PERTAINING TO THE JAMES RIVER  
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1964  
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CANALS, JAMES RIVER, LEGAL ASPECTS, WATER RIGHTS

1964 MCCAIN JC  
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MAYER'S VARIETIES OF CAPRELLA ACUTIFRONS LATREILLE  
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AMPHIPODA, JAMES RIVER, THUNDERSTORMS

1964 VIRGINIA INSTITUTE OF MARINE SCIENCE  
HYDROGRAPHIC CRUISE SCHEDULE OPERATION JAMES RIVER  
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CRUISES, JAMES RIVER, ON-SITE DATA COLLECTIONS, SAMPLING

1964 VIRGINIA INSTITUTE OF MARINE SCIENCE  
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(VIMS MS)

CHEMICAL ANALYSIS, CURRENTS (WATER), DATA COLLECTIONS, HYDROGRAPHY, JAMES  
RIVER, SALINITY, WATER TEMPERATURE, WEATHER DATA

1964 OAKS RQ JR  
POST-MIOCENE STRATIGRAPHY AND MORPHOLOGY, OUTER COASTAL PLAIN,  
SOUTHEASTERN VIRGINIA  
YALE DISSERTATION, ALSO US OFF NAVAL RESEARCH GEOG BRANCH, TECH REPT 5,  
CONTRACT NONR 609(40)

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PLEISTOCENE EPOCH, SULFUR BACTERIA

1965 CHANLEY P  
LARVAL DEVELOPMENT OF THE BRACKISH WATER MACRID CLAM, RANGIA CUNEATA  
CHESAPEAKE SCIENCE 6, 209-213 (VIMS CONTR 200)

CLAMS, JAMES RIVER, LARVAL GROWTH STAGE, SOCIAL ASPECTS

1965 FAUNCE JL  
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DARWIN  
(VIMS THESIS)

AMINO ACIDS, BARNACLES, JAMES RIVER, SALINITY

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AMINO ACIDS, JAMES RIVER, OYSTERS, PHYSIOLOGICAL ECOLOGY, SALINITY, YORK RIVER

1965 HARGIS WJ, JR  
MULTIDISCIPLINARY RESEARCH ON AN ESTUARINE ENGINEERING PROJECT  
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ECONOMIC FEASIBILITY, ENVIRONMENTAL ENGINEERING, JAMES RIVER, OYSTER INDUSTRY, WATER RESOURCES DEVELOPMENT

1965 HARRISON W ET AL  
POSSIBLE LATE PLEISTOCENE UPLIFT, CHESAPEAKE BAY ENTRANCE  
J GEOLOGY 73, 201-229

BOREHOLE GEOPHYSICS, CHESAPEAKE BAY, ELIZABETH RIVER, JAMES RIVER, PLEISTOCENE EPOCH, SEDIMENTARY PETROLOGY, THERMAL STRESS, YORK RIVER

1965 COCH NK  
POST-MIOCENE STRATIGRAPHY AND MORPHOLOGY, INNER COASTAL PLAIN  
SOUTHEASTERN VIRGINIA  
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1965 DAVIS CC  
A STUDY OF THE HATCHING PROCESS IN AQUATIC INVERTEBRATES XX THE BLUE CRAB *CALLINectes Sapidus* RATHBUN XXI THE NEMERTEAN *CARCINONEMERTES* *CARCINOPHILA* (KOELLIKER)  
CHES SCI 6(4), 201-208

CONTROL STRUCTURES, HATCHING, JAMES RIVER, NEMERTEANS, REPRODUCTION, YORK RIVER, VIRGINIA

1966 CALDER DR  
ECOLOGY OF MARINE INVERTEBRATE FOULING ORGANISMS IN HAMPTON ROADS, VIRGINIA  
(VIMS THESIS)

BARNACLES, BENTHIC FAUNA, FOULING, GASTROPODS, HYDROZOA, INVERTEBRATES, JAMES RIVER, SEASONAL DISTRIBUTION

1966 BREHMER ML, HALTIWANGER SO  
BIOLOGICAL AND CHEMICAL STUDY OF THE TIDAL JAMES RIVER  
VIMS SPEC REPT IN APPLIED MARINE SCIENCE AND OCEAN ENG 6

CHEMICAL ANALYSIS, CHLOROPHYLL, HYDROGRAPHY, JAMES RIVER, NUTRIENTS

1966 HARGIS WJ, JR  
FINAL REPORT ON RESULTS OF OPERATION JAMES RIVER  
VIMS SPEC REPT IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING 7

CHANNEL IMPROVEMENT, ECOLOGICAL IMPACT, FUTURE PLANNING (PROJECTED), HYDRAULIC MODELS, JAMES RIVER, OYSTER INDUSTRY, WATER RESOURCES DEVELOPMENT

1966 HOGARTH WT, WOOLCOTT WS  
MOUNTAIN STRIPEBACK DARTER, *PERCINA NOTOGRAMMA MONTUGSA*, N SSP FROM UPPER JAMES RIVER, VA  
CHES SCIENCE 7, 101-109

FISH PHYSIOLOGY, JAMES RIVER, VARIABILITY

1966 FLEMER DA, WOOLCOTT WS  
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FOOD HABITS, JAMES RIVER, STREAM IMPROVEMENT

1966 VIRGINIA LEAGUE OF WOMEN VOTERS  
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JAMES RIVER, RIVER BASINS

1966 MCLEAN JD JR  
MIOCENE AND PLEISTOCENE FORAMINIFERA AND OSTRACODA OF SOUTHEASTERN VIRGINIA  
VA DIV MINERAL RESOURCES REPORT OF INVESTIGATIONS 9

CHESAPEAKE BAY, FORAMINIFERA, JAMES RIVER, MIOCENE EPOCH, OSTRACODS, PALEONTOLOGY, PLEISTOCENE EPOCH, SULFUR BACTERIA, YORK RIVER

1966 MARSHALL HG  
DIURNAL DISTRIBUTION OF PHYTOPLANKTON FROM A SINGLE STATION AT THE MOUTH OF THE JAMES RIVER  
OHIO J OF SCIENCE 66, 253-255

DIURNAL DISTRIBUTION, JAMES RIVER, PHYTOPLANKTON

1966 LYNCH MP, WOOD L  
EFFECTS OF ENVIRONMENTAL SALINITY ON FREE AMINO ACIDS OF CRASSOSTREA  
VIRGINICA GMELIN  
COMP BIOCHEM PHYSIOL 19, 783-790 (VIMS CONTR 222)

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RIVER

1966 ANDREWS JD  
OYSTER MORTALITY STUDIES IN VIRGINIA. 5. EPIZOOTIOLOGY OF MSX, A  
PROTISTAN PATHOGEN OF OYSTERS  
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1967 MARSHALL HG  
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BAY AND HAMPTON ROADS  
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JAMES RIVER, PHYTOPLANKTON, SEASONAL DISTRIBUTION, STOCKING

1967 MARSHALL HG  
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ELIZABETH RIVER  
VA J SCIENCE 18, 105-109

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1967 SHIDLER JK, MACINTYRE WG  
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VA INST MARINE SCIENCE DATA REPT 5

CURRENTS (WATER), DATA COLLECTIONS, DEPTH, HYDROGRAPHY, JAMES RIVER,  
SALINITY, WATER TEMPERATURE, WIND VELOCITY

1967  
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DREDGING, ELIZABETH RIVER, JAMES RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS

1967 FEELEY JB  
THE DISTRIBUTION AND ECOLOGY OF THE GAMMARIDEA (CRUSTACEA- AMPHIPODA) OF  
THE LOWER CHESAPEAKE ESTUARIES  
(VIMS THESIS)

AMPHIPODA, ECOLOGICAL DISTRIBUTION, JAMES RIVER, RAPPAHANNOCK RIVER,  
SALINITY, YORK RIVER

1967-GRANT GC  
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POPULATIONS AND DESCRIPTION OF THE FISHERY OF LOWER CHESAPEAKE BAY  
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ANADROMOUS FISH, JAMES RIVER, RAPPAHANNOCK RIVER, SURFACE TENSION, YORK  
RIVER

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NUTRIENT ASSIMILATION IN A VIRGINIA TIDAL SYSTEM  
NATL SYMP ESTUARINE POLLUTION PROC 1967, STANFORD, CALIF

CHEMICAL ANALYSIS, CHLOROPHYLL, HYDROLOGIC DATA, JAMES RIVER, NUTRIENTS,  
PLANKTON, SALINITY

1967 ANDREWS JD  
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MINCHINIA NELSONI, A PATHOGEN OF OYSTERS, IN VIRGINIA  
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JAMES RIVER, MSX, OYSTERS, ANIMAL PATHOLOGY, MORTALITY, DISTRIBUTION  
PATTERNS, PROTOZOA

1967 CALDER DR, BREHMER ML  
SEASONAL OCCURRENCE OF EPIFAUNA ON TEST PANELS IN HAMPTON ROADS, VIRGINIA  
INTL J OCEANOLOG LIMNOL 1, 149-164 (VIMS CONTR 251)

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1968 HAVEN DS, MORALES-ALAMO R  
OCCURRENCE AND TRANSPORT OF FAECAL PELLETS IN SUSPENSION IN A TIDAL  
ESTUARY  
SEDIMENTARY GEOLOGY 2, 141-151 (VIMS CONTR 264)

ANIMAL WASTES (WILDLIFE), BIODEPOSITION, JAMES RIVER, SEDIMENT TRANSPORT,  
THERMAL SPRINGS

1968-HARGIS WJ, JR  
UTILIZATION OF PHYSICAL AND MATHEMATICAL MODELS IN MARINE WATER RESOURCES  
RESEARCH, PLANNING AND MANAGEMENT  
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ECONOMIC PREDICTION, HYDRAULIC MODELS, JAMES RIVER, MATHEMATICAL MODELS,  
WATER RESOURCES DEVELOPMENT

1968 COCH NK  
GEOLOGY OF THE BENNS CHURCH, SMITHFIELD, WINDSOR, AND CHUCKATUCK  
QUADRANGLES, VIRGINIA  
A DIV MINERAL RES., REPT OF INVESTIGATIONS 17

DEPOSITION (SEDIMENTS), GEOLOGIC INVESTIGATIONS, GEOMORPHOLOGY, JAMES  
RIVER, SULFUR BACTERIA

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BRIDGE CONSTRUCTION, CHESAPEAKE BAY, DREDGING, JAMES RIVER, LANDFILLS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
FILLING BEHIND BULKHEAD LINE IN ELIZABETH RIVER  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION-- 28APR, 27 OCT

BULKHEAD LINE, ELIZABETH RIVER, JAMES RIVER, LANDFILLS, RIPARIAN RIGHTS

\*\*\*\*\* LARVAE

1954 MASSMANN WH ET AL  
POSTLARVAE AND YOUNG OF THE MENHADEN...IN BRACKISH AND FRESH WATERS OF  
VIRGINIA  
COPEIA 1954(1), 19-23 (VIMS CONTR 45)

ATLANTIC MENHADEN, JAMES RIVER, JUVENILE FISHES, LARVAE

1971 ORTH RJ  
OBSERVATIONS ON THE PLANKTONIC LARVAE OF POLYDORA LIGNI WEBSTER  
(POLYCHAETA, SPIONIDAE) IN THE YORK RIVER, VIRGINIA  
CHES SCI 12, 121-124 (VIMS CONTR 376)

BENTHIC FAUNA, LARVAE, PLANKTON, POLYCHAETES, YORK RIVER

1971 WOOD L, HARGIS WJ JR  
TRANSPORT OF BIVALVE LARVAE IN A TIDAL ESTUARY  
EUROPEAN MAR BIOL SYMP, FOURTH, 29-44 (VIMS CONTR 328)

JAMES RIVER, LARVAE, OYSTERS, SLIME

1971 CASTAGNA M, DUGGAN W  
REARING THE BAY SCALLOP, AECUIPECTEN IRRADIANS  
NATL SHELLFISH ASSOC PROC 61, 80-85 (VIMS CONTR 388)

COMMERCIAL FISHING, LARVAE, SCALLOPS, MARICULTURE

\*\*\*\*\* LARVAL GROWTH STAGE

1942 CHURCHILL EP  
THE ZOEAL STAGES OF THE BLUE CRAB, CALLINECTES SAPIDUS RATHBUN  
CHESAPEAKE BIOLOGICAL LABORATORY, SOLOMONS MD, PUBLICATION NO 49

CRABS, LARVAL GROWTH STAGE, MARYLAND

1942 LOCHHEAD MS, NEWCOMBE CL  
METHODS OF HATCHING EGGS OF THE BLUE CRAB  
VA J SCIENCE 3, 76-86 (VIMS CONTR 9)

CHESAPEAKE BAY, CRABS, EGGS, HATCHING, LARVAL GROWTH STAGE, MOLTING

1943 HOPKINS SH  
THE EXTERNAL MORPHOLOGY OF THE FIRST AND SECOND ZOEAL STAGES OF THE BLUE  
CRAB, CALLINECTES SAPIDUS RATHBUN  
AMER MICROS SOC TRANS 62, 85-90 (VIMS CONTR 10)

CHESAPEAKE BAY, CRABS, HATCHING, LARVAL GROWTH STAGE, MOLTING, MORPHOLOGY

1944 SANDOZ M, HOPKINS SH  
ZOEAL LARVAE OF THE BLUE CRAB CALLINECTES SAPIDUS RATHBUN  
J WASH ACAD SCIENCES 34, 132-133 (VIMS CONTR 13)

CRABS, HATCHING, LARVAL GROWTH STAGE, SALINITY, SHALLOW WELLS

1958 VAN ENGEL WA  
THE BLUE CRAB AND ITS FISHERY IN CHESAPEAKE BAY  
COMM FISH REVIEW 20(6), 6-17 (VIMS CONTR 79)

CRABS, LARVAL GROWTH STAGE, MIGRATION, REPRODUCTION

1965 CHANLEY P  
LARVAL DEVELOPMENT OF THE BRACKISH WATER MACTRID CLAM, RANGIA CUNEATA  
CHESAPEAKE SCIENCE 6, 209-213 (VIMS CONTR 200)

CLAMS, JAMES RIVER, LARVAL GROWTH STAGE, SOCIAL ASPECTS

1966 CHANLEY PE  
LARVAL DEVELOPMENT OF THE LARGE BLOOD CLAM, NOETSIA PONDEROSA (SAY)  
NATL SHELLFISH ASSOC PROC 56, 53-58 (VIMS CONTR 217)

CLAMS, LARVAL GROWTH STAGE

1967 CRISP DJ  
CHEMICAL FACTORS INDUCING SETTLEMENT IN CRASSOSTREA VIRGINICA (GMELIN)  
J ANIMAL ECOL 36, 329-335 (VIMS CONTR 261)

ATTRACTANTS, LARVAL GROWTH STAGE, OYSTERS, OYSTER SETTING

1969 KINGSTON N ET ALL  
STUDIES ON LARVAL MONOGENEA OF FISHES FROM THE CHESAPEAKE BAY AREA  
J PARASITOLOGY 55, 544-558 (VIMS CONTR 305)

FISH PARASITES, LARVAL GROWTH STAGE, TREMATODES, YORK RIVER

1969 KINGSTON N, DILLON WA, HARGIS WJ JR  
STUDIES ON LARVAL MONOGENEA OF FISHES FROM THE CHESAPEAKE BAY AREA  
J PARASITOLOGY 55, 544-558 (VIMS CONTR 305)

FISH PARASITES, LARVAL GROWTH STAGE, TREMATODES, YORK RIVER

1970 CHANLEY P  
LARVAL DEVELOPMENT OF THE HOOKED MUSSEL, BRACHIDONTES RECURVUS  
RAFINESQUE...  
NATIONAL SHELLFISHERIES ASSOC PROC 60, 86-94 (VIMS CONTR 336)

LARVAL GROWTH STAGE, MUSSELS, VIRGINIA

1971 DIAZ RJ  
EFFECTS OF THERMAL SHOCK ON LARVAE OF THE OYSTER, CRASSOSTREA VIRGINICA  
(GMELIN)  
VIMS THESIS

LARVAL GROWTH STAGE, OYSTERS, SILVER IODIDE

1971 CHANLEY P, CASTAGNA M  
LARVAL DEVELOPMENT OF THE STOUT RAZOR CLAM, TAGELUS PLEBEIUS SOLANDER  
(SOLECURTIDAF, BIVALVIA)  
CHES SCI 12, 167-172 (VIMS CONTR 380)

CLAMS, EASTERN SHORE (VA-MD), LARVAL GROWTH STAGE, VIRGINIA

1971 SANDIFER PA, VAN ENGEL WA  
LARVAL DEVELOPMENT OF THE SPIDER CRAB, LIBINIA DUBIA H. MILNE EDWARDS  
(BRACHYURA, MAJIDAE, PISINAE), REARED IN LABORATORY CULTURE  
CHES SCI 12, 18-25 (VIMS CONTR 361)

LABORATORY ANIMALS, LARVAL GROWTH STAGE, MOLTING

1971 LEONARD SB  
LARVAE OF THE FOURSPOT FLOUNDER, HIPPOGLOSSINA OBLONGA...FROM THE  
CHESAPEAKE BIGHT, WESTERN NORTH ATLANTIC

BENTHIC FAUNA, LARVAL GROWTH STAGE, MARINE FISH, MIDDLE ATLANTIC BIGHT

\*\*\*\*\* LEASES

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1951 VIRGINIA ADVISORY LEGISLATIVE COUNCIL  
THE SEAFOOD STATUTES AND THE REHABILITATION OF THE SEAFOOD INDUSTRY  
RICHMOND, REPORT OF THE COUNCIL

BEDS UNDER WATER, JAMES RIVER, LEASES, LEGAL ASPECTS, OYSTER INDUSTRY,  
PUBLIC LANDS

\*\*\*\*\* LEGAL ASPECTS

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1854  
FRENCH V BANKHEAD  
52 VA (11 GRATT) 136

CHESAPEAKE BAY, JAMES RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS, SOCIAL  
VALUES

1876  
NORFOLK CITY V COOKE  
68 VA (27 GRATT) 430

BEDS UNDER WATER, BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, RIPARIAN  
RIGHTS

1899  
WAVERLY WATER-FRONT AND IMPROVEMENT CO V WHITE ET AL  
33 SE 534, 97 VA 376

BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS, SOCIAL  
VALUES

1912  
LAMBERTS POINT CO V NORFOLK AND W. RY CO  
74 SE 156, 113 VA 270

BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, RIPARIAN  
RIGHTS, SOCIAL VALUES

1916  
CITY OF HAMPTON V WATSON  
89 SE 81, 119 VA 95

BEDS UNDER WATER, LEGAL ASPECTS, POLLUTION ABATEMENT, SEWAGE

1918  
DARLING V CITY OF NEWPORT NEWS  
96 SE 307, 123 VA 14

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, POLLUTION ABATEMENT, RIPARIAN RIGHTS, SEWAGE

1930  
GARDEN CLUB OF VIRGINIA V VIRGINIA PUBLIC SERVICE CO ET AL  
151 SE 161

DAMSITES, JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS

1931 EMBREY AT  
WATERS OF THE STATE  
RICHMOND, OLD DOMINION PRESS

BEDS UNDER WATER, LEGAL ASPECTS, NAVIGABLE WATERS, PUBLIC LANDS, RIPARIAN RIGHTS, SOCIAL VALUES, VIRGINIA

1932  
MILLER V COMMONWEALTH  
166 SE 557, 159 VA 924

JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, PUBLIC LANDS, RIPARIAN RIGHTS, SOCIAL VALUES

1932  
COMMONWEALTH V CITY OF NEWPORT NEWS  
164 SE 689

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, POLLUTION ABATEMENT, RIPARIAN RIGHTS, SEWAGE

1951 VIRGINIA ADVISORY LEGISLATIVE COUNCIL  
THE SEAFOOD STATUTES AND THE REHABILITATION OF THE SEAFOOD INDUSTRY  
RICHMOND, REPORT OF THE COUNCIL

BEDS UNDER WATER, JAMES RIVER, LEASES, LEGAL ASPECTS, OYSTER INDUSTRY, PUBLIC LANDS

1957  
BOUNDARY LINES OF CERTAIN LOW GROUNDS ON JAMES RIVER A LAWFUL FENCE  
VA CODE, 1950, 8-872

BOUNDARIES (PROPERTY), JAMES RIVER, LEGAL ASPECTS

1964  
POWER UNDER ACT FOR SALE BY JAMES RIVER AND KANAWHA CO  
VA CODE, 1950, 12-37

CANALS, JAMES RIVER, LEGAL ASPECTS, WATER RIGHTS

1966 CULLER ED  
REAL PROPERTY- RIPARIAN RIGHTS  
UNIV RICHMOND LAW NOTES 2, 257-261

ELIZABETH RIVER, RIPARIAN RIGHTS, SOCIAL VALUES, LEGAL ASPECTS

1967  
NORFOLK DREDGING CO V RADCLIFF MATERIALS INC  
264 FSUPP 399

DREDGING, ELIZABETH RIVER, JAMES RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS

1968  
WATERS OF THE STATE, PORTS AND HARBORS  
VA CODE, 1950, TITLE 62.1

BEDS UNDER WATER, EROSION CONTROL, HARBORS, LEGAL ASPECTS, NAVIGABLE WATERS, POLLUTION ABATEMENT, RIPARIAN RIGHTS, VIRGINIA, WATER LAW

1968 WALKER WR, COX WE  
WATER RESOURCES LAWS FOR VIRGINIA  
VPI WATER RESOURCES RESEARCH CENTER BULL 9

LEGAL ASPECTS, RIPARIAN RIGHTS, VIRGINIA, WATER RIGHTS

1969 WASS ML, WRIGHT TD  
COASTAL WETLANDS OF VIRGINIA  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 10

EROSION, HABITATS, LEGAL ASPECTS, MARSH MANAGEMENT, MARSH PLANTS, SLOPE PROTECTION, VIRGINIA, WETLANDS

1969  
CRABS (REGULATIONS)  
VA CODE, 1950, TITLE 28.1 C 6 28.1-165 TO 28.1-174

CRAB INDUSTRY, LEGAL ASPECTS, SOCIAL ASPECTS, VIRGINIA



1969  
FISH AND FISHING GENERALLY (REGULATIONS)  
VA CODE, 1950, TITLE 28.1 C 4 28.1-47 TO 28.1-81

FINFISH INDUSTRY, LEGAL ASPECTS, VIRGINIA

1969  
OYSTERS, CLAMS AND OTHER BIVALVES (REGULATIONS)  
VA CODE, 1950, TITLE 28.1 C 5 28.1-82 TO 28.1-164

CLAM INDUSTRY, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA, LEGAL ASPECTS

1969  
OYSTERS TO BE CULLED AS TAKEN  
VA CODE, 1950, 28.1-124

JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, VIRGINIA

1969  
EXEMPTED WATERS (CULLING LAW)  
VA CODE, 1950, 28.1-126

EASTERN SHORE (VA-MD), JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, RAPPAHANNOCK RIVER

1969  
ASSIGNMENTS OF PLANTING GROUNDS TO RIPARIAN OWNERS  
VA CODE, 1950, 28.1-108

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, OWNERSHIP OF BEDS, OYSTER INDUSTRY, SOCIAL ASPECTS, VIRGINIA

1969  
FISH, OYSTERS, SHELLFISH AND OTHER MARINE LIFE  
VA CODE, 1950 TITLE 28.1

CLAM INDUSTRY, CRAB INDUSTRY, FINFISH INDUSTRY, FISH MANAGEMENT, LEGAL ASPECTS, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA

1969  
PROHIBITED AREA FOR PATENT TONGS  
VA CODE, 1950, 28.1-83

CORROTOMAN RIVER, FISHING GEAR, JAMES RIVER, LEGAL ASPECTS, MOBJACK BAY, PLANKATANK RIVER, RAPPAHANNOCK RIVER

1969  
TAX ON OYSTERS TAKEN FROM PUBLIC ROCKS- REPORTS OF OYSTERS TAKEN FROM SEED AREA OF JAMES RIVER  
VA CODE, 1950, 28.1-93

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, PUBLIC LANDS

1969  
LEASING OF CERTAIN BOTTOMS IN JAMES RIVER PROHIBITED  
VA CODE, 1950, 28.1-145

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, PUBLIC LANDS

1969  
DREDGING FOR OYSTERS IN JAMES RIVER  
VA CODE, 1950, 28.1-146

BEDS UNDER WATER, DREDGING, JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, PUBLIC LANDS

1969  
AUTHORITY OF GOVERNOR TO AUTHORIZE DREDGING OF CHANNEL IN NAVIGABLE WATERS-SPECIAL PROVISIONS APPLICABLE TO JAMES RIVER BETWEEN JAMES RIVER BRIDGE AND JAMESTOWN ISLAND  
VA CODE, 1950, 28.1-147

CHANNEL IMPROVEMENT, DREDGING, JAMES RIVER, LEGAL ASPECTS

1969 WASS ML, WRIGHT TO  
COASTAL WETLANDS OF VIRGINIA  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 10

EROSION, HABITATS, LEGAL ASPECTS, MARSH MANAGEMENT, MARSH PLANTS, SLOPE PROTECTION, VIRGINIA, WETLANDS

1970  
STATE REVENUE BOND ACT (FINANCING TOLL FACILITIES)  
VA CODE, 1950, 33.1-268 TO 33.1-295

BRIDGES, JAMES RIVER, LEGAL ASPECTS, RAPPAHANNOCK RIVER, YORK RIVER

1970  
SEASON FOR TAKING OYSTERS FROM PUBLIC ROCK  
VA CODE, 1950, 28.1-82

BEDS UNDER WATER, CHESAPEAKE BAY, EASTERN SHORE (VA-MD), JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, PUBLIC LANDS, VIRGINIA

1970  
CLEAN CULL AREA  
VA CODE, 1950, 28.1-85.1

JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY

1970  
USE OF HAUL SEINE IN JAMES RIVER  
VA CODE, 1950, 28.1-51.2

FINFISH INDUSTRY, FISHING GEAR, JAMES RIVER, LEGAL ASPECTS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DESIGNATION OF NATURAL OYSTER ROCK IN NOMINI AND CURRIOMAN BAY,  
WESTMORELAND COUNTY  
MINUTES OF MEETINGS, 23 JUNE, 28 JULY

BEDS UNDER WATER, LEGAL ASPECTS, OYSTERS, POTOMAC RIVER

1970 POWER G  
CHESAPEAKE BAY IN LEGAL PERSPECTIVE  
US FEDERAL WATER POLLUTION CONTROL ADMINISTRATION NO. 1

CHESAPEAKE BAY, HISTORY, LEGAL ASPECTS, RIPARIAN RIGHTS, STRUCTURAL  
RELAXATION

1971 MILLAR AE JR, GIBSON JD, KLAFTER RD  
CLEAN WATER--AFFLUENCE, INFLUENCE, EFFLUENTS  
CLD DOMINION UNIV

ADMINISTRATIVE DECISIONS, JAMES RIVER, LEGAL ASPECTS, VIRGINIA, WATER  
MANAGEMENT (APPLIED), WATER QUALITY CONTROL

1971 VIRGINIA EROSION AND SEDIMENTATION CONTROL TASK FORCE  
REPORT OF TASK FORCE ON EROSION AND SEDIMENTATION CONTROL  
VIRGINIA GOVERNORS COUNCIL ON THE ENVIRONMENT

EROSION CONTROL, LEGAL ASPECTS, SEDIMENTATION, URBANIZATION, VIRGINIA

1971 MIRI JA  
SOME PROBLEMS OF WATER RESOURCE MANAGEMENT IN VIRGINIA--A PRELIMINARY  
EXAMINATION  
DEPT OF GOVERNMENT, COLLEGE OF WILLIAM AND MARY

LEGAL ASPECTS, RIPARIAN RIGHTS, SUPERIMPOSED DRAINAGE, VIRGINIA, WATER  
DEMAND, WATER MANAGEMENT (APPLIED)

1971 VIRGINIA DEPARTMENT OF AGRICULTURE AND COMMERCE  
RULES AND REGULATIONS FOR ENFORCEMENT OF THE VIRGINIA PESTICIDE LAW  
DIVISION OF REGULATORY SERVICES, RICHMOND, VA.

ANIMAL CONTROL, ARSENIC COMPOUNDS, AVICIDES, BRUSH CONTROL, CHLORINATED  
HYDROCARBON PESTICIDESDDT, DIELDRIN, LEGAL ASPECTS, PESTICIDES, VIRGINIA

1972 BOON JD III, LYNCH MP  
TIDAL DATUM PLANES AND TIDAL BOUNDARIES AND THEIR USE AS LEGAL  
BOUNDARIES--A STUDY WITH RECOMMENDATIONS FOR VIRGINIA  
VIMS SPEC REPT APPL MAR SCI AND OCEAN ENGINEERING 22

BOUNDARIES (PROPERTY), LEGAL ASPECTS, VIRGINIA, SLUDGE

\*\*\*\*\* LEGISLATION

1970 VIRGINIA DIVISION OF WATER RESOURCES  
WATER RESOURCES LEGISLATIVE CONCERNS OF THE BOARD OF CONSERVATION AND  
ECONOMIC DEVELOPMENT, COMMONWEALTH OF VIRGINIA  
RICHMOND, VIRGINIA

LEGISLATION, STRUCTURAL RELAXATION, WATER DEMAND, WATER MANAGEMENT  
(APPLIED), WATERSHEDS (BASINS)

\*\*\*\*\* LIFE HISTORY STUDIES

1919 CHURCHILL EP JR  
LIFE HISTORY OF THE BLUE CRAB  
US BUR FISH BULL (1917-1918) 36, 91-128

CRABS, GROWTH STAGES, LIFE HISTORY STUDIES, REPRODUCTION

1961 MACKENZIE CL JR  
GROWTH AND REPRODUCTION OF THE OYSTER DRILL EUPLEURA CAUDATA IN THE YORK  
RIVER, VIRGINIA  
ECOLOGY 42, 317-338

LIFE HISTORY STUDIES, OYSTER DRILLS, PREDATION, REPRODUCTION, YORK RIVER

1970 CALDER DR  
HYDROID AND YOUNG MEDUSA STAGES OF DIPURENA STRANGULATA (HYDROZOA,  
CORYNIDAE)  
THE BIOLOGICAL BULL 138, 109-114 (VIMS CONTR 338)

HYDROZOA, JELLYFISH, YORK RIVER, GROWTH STAGES, LIFE HISTORY STUDIES

## \*\*\*\*\* LIPIDS

1969 STAUFFER TB  
DISTRIBUTION OF DISSOLVED FATTY ACIDS IN THE JAMES RIVER ESTUARY AND  
ADJACENT OCEAN WATER  
(VIMS THESIS)

ATLANTIC OCEAN, JAMES RIVER, LIPIDS

1970 STAUFFER TB, MACINTYRE WG  
DISSOLVED FATTY ACIDS IN THE JAMES RIVER ESTUARY, VIRGINIA, AND ADJACENT  
OCEAN WATERS  
CHESAPEAKE SCIENCE 11, 216-220 (VIMS CONTR 365)

ATLANTIC OCEAN, JAMES RIVER, LIPIDS

## \*\*\*\*\* LOBSTERS

1965 WILLIAMS AB  
MARINE DECAPOD CRUSTACEANS OF THE CAROLINAS  
US FISH AND WILDLIFE SERVICE FISHERY BULLETIN VOL 65 NO 1

CRABS, LOBSTERS, SODIUM ARSENITE

## \*\*\*\*\* LOCAL GOVERNMENTS

1960 VIRGINIA UNIVERSITY BUREAU OF POPULATION AND ECONOMIC RESEARCH  
SOCIO-ECONOMIC CHARACTERISTICS OF THE WEST POINT, VIRGINIA, AREA  
CHARLOTTESVILLE, VIRGINIA

ECONOMICS, LOCAL GOVERNMENTS, POPULATION DYNAMICS

## \*\*\*\*\* LONG-TERM PLANNING

1970 VIRGINIA DIVISION OF WATER RESOURCES  
RAPPAHANNOCK RIVER BASIN, COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 219

AGRICULTURE, ECONOMICS, LONG-TERM PLANNING, RAPPAHANNOCK RIVER,  
RECREATION, RIVER BASINS, THERMAL CONDUCTIVITY, WATER RESOURCES  
DEVELOPMENT

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 227

CLIMATIC DATA, FLOW CHARACTERISTICS, GROUNDWATER, HYDROLOGIC ASPECTS,  
LONG-TERM PLANNING, RIVER BASINS, THEIR EQUATION, YORK RIVER

1971 BERGOFFEN B (ED)  
CITIZENS PROGRAM FOR THE CHESAPEAKE BAY  
CONFERENCE REPORT, SEPT 16-18, UNIV OF MARYLAND, COLLEGE PARK, MD

BOATING, CHESAPEAKE BAY, COMMERCIAL FISHING, INDUSTRIAL WASTES, LONG-TERM  
PLANNING, RECREATION, TRANSPORTATION

## \*\*\*\*\* LUMBERING

1929 LODEWICK JE  
WOOD-USING INDUSTRIES OF VIRGINIA  
VA POLYTECH INST BULL VOL 23 NO 1

FORESTRY, INDUSTRIES, LUMBERING, VIRGINIA

## \*\*\*\*\* MAGNETIC STUDIES

1945 CEDERSTROM DJ  
STRUCTURAL GEOLOGY OF SOUTHEASTERN VIRGINIA  
AMER ASSOC PETROLEUM GEOLOGISTS BULL 29, 71-95

JAMES RIVER, MAGNETIC STUDIES, SURPLUS WATER, YORK RIVER

## \*\*\*\*\* MANAGEMENT

1964 CHRISTY FT  
THE EXPLOITATION OF A COMMON PROPERTY RESOURCE-THE MARYLAND OYSTER  
INDUSTRY  
UNIVERSITY OF MICHIGAN DISSERTATION

CHESAPEAKE BAY, ECONOMICS, MANAGEMENT, MARYLAND, OYSTER INDUSTRY,  
OYSTERS, PUBLIC LANDS, RESOURCE DEVELOPMENT, VIRGINIA

1969 VIRGINIA MARINE RESOURCES COMMISSION  
OYSTER AND SEED OYSTER INDUSTRY JAMES RIVER  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION-- 28JAN, 22APR, 23SEPT

JAMES RIVER, MANAGEMENT, OYSTER INDUSTRY

1971 HARGIS WJ JR  
RESEARCH ON CHESAPEAKE BAY AND CONTIGUOUS WATERS OF THE CHESAPEAKE BIGHT  
OF THE VIRGINIAN SEA  
VIMS SPECIAL SCIENTIFIC REPORT 49

CHESAPEAKE BAY, PROJECT PLANNING, PROJECTS, MULTIPLE-PURPOSE PROJECTS,  
MANAGEMENT

1971 HARGIS WJ JR, LYNCH MP  
VIRGINIA STATE AGENCIES CONCERNED WITH COASTAL ZONE PLANNING, MANAGEMENT,  
OR SCIENTIFIC AND ENGINEERING ACTIVITIES  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 14 (2ND EDITION)

ADMINISTRATIVE AGENCIES, COASTS, MANAGEMENT, STRUCTURAL MODELS, VIRGINIA

1972 CHESAPEAKE RESEARCH CONSORTIUM, INC.  
THE CHESAPEAKE BAY  
VOLUME I-A PROPOSAL FOR RESEARCH APPLIED TO NATIONAL NEEDS

CHESAPEAKE BAY, FUTURE PLANNING (PROJECTED), MANAGEMENT, PROJECT  
PLANNING, RESOURCE DEVELOPMENT, WETLANDS

1972 CHESAPEAKE RESEARCH CONSORTIUM, INC.  
THE CHESAPEAKE BAY  
VOLUME 3--BAY RELATED RESEARCH PROGRESS REPORTS

CHESAPEAKE BAY, MANAGEMENT, RESEARCH AND DEVELOPMENT, PROJECTS

1972 CHESAPEAKE RESEARCH CONSORTIUM, INC.  
THE CHESAPEAKE BAY  
VOLUME 3--B Y RELATED RESEARCH PROGRESS REPORTS

CHESAPEAKE BAY, MANAGEMENT, RESEARCH AND DEVELOPMENT, PROJECTS

\*\*\*\*\* MARICULTURE \*\*\*\*\*

1969 CASTAGNA M ET AL  
TREATMENT OF SHELL CULTCH WITH POLYSTREAM TO INCREASE THE YIELD OF SEED  
OYSTERS, CRASSOSTREA VIRGINICA  
NATL SHELLFISH ASSOC PROC 59, 84-90 (VIMS CONTR 306)

CHEMICALS, CULTCH, OYSTER INDUSTRY, OYSTER SETTING, MARICULTURE

1971 CASTAGNA M, DUGGAN W  
REARING THE BAY SCALLOP, AEQUIPECTEN IRRADIANS  
NATL SHELLFISH ASSOC PROC 61, 80-85 (VIMS CONTR 388)

COMMERCIAL FISHING, LARVAE, SCALLOPS, MARICULTURE

\*\*\*\*\* MARINAS \*\*\*\*\*

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DISPOSAL OF SPOIL IN CONNECTION WITH MARINA IMPROVEMENT, FISHERMAN'S  
CREEK, LITTLE CREEK, CHESAPEAKE BAY  
MINUTES OF MEETINGS, 27 OCTOBER, 24 NOVEMBER

CHESAPEAKE BAY, DREDGING, MARINAS, STREAM FISHERIES

\*\*\*\*\* MARINE ALGAE \*\*\*\*\*

1962 HUMM HJ  
MARINE ALGAE OF VIRGINIA AS A SOURCE OF AGAR AND AGARIDS  
VIMS SPEC SCI REPT 37

EASTERN SHORE (VA-MD), MARINE ALGAE

\*\*\*\*\* MARINE FISH \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 210-216

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 216-234

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 200-210

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 192-197

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, MULLET

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 197-199

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 199-200

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 164-178

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FLATFISH, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 178-187

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SUBSIDENCE

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 187-192

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SOIL CEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 151-152

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 152-154

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 147-151

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 130-131

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 127-129

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 78-80

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 44-54

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SNOW COVER

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 55-72

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SOIL DENSITY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 72-77

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 8-32

CHESAPEAKE BAY, COMMERCIAL FISH, FISHERIES, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 43-44

ANADROMOUS FISH, CHESAPEAKE BAY, DISTRIBUTION, LAMPREYS, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 234-236

CHESAPEAKE BAY, COBIA, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 250-253

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SEA BASSES

265

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 253-268

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 261-265

CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SCUP

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269-271

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 305-312

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 312-316

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 316-317

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 317-321

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM IMPROVEMENT

266

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 321-322

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 322-328

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 328-329

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 329-353

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 353-354

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 354-355

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

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MARINE FISHES IN FRESH AND BRACKISH WATERS OF VIRGINIA RIVERS  
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BENTHIC FAUNA, LARVAL GROWTH STAGE, MARINE FISH, MIDDLE ATLANTIC BIGHT

\*\*\*\*\* MARINE FUNGI \*\*\*\*\*

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CRABS

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FUNGI

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\*\*\*\*\* MARKET VALUE \*\*\*\*\*

1960 UNITED STATES NATIONAL MARINE FISHERIES SERVICE  
VIRGINIA LANDINGS  
(MONTHLY RELEASE)

CATCH, CHESAPEAKE BAY, COMMERCIAL FISH, MARKET VALUE, SOCIAL ASPECTS,  
VIRGINIA

\*\*\*\*\* MARL \*\*\*\*\*

1833 RUFFIN E  
GYPSECUS EARTH OF JAMES RIVER  
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FERTILIZERS, JAMES RIVER, MARL

\*\*\*\*\* MARSH MANAGEMENT \*\*\*\*\*

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VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 10

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PROTECTION, VIRGINIA, WETLANDS

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PROTECTION, VIRGINIA, WETLANDS

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 253-268

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

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CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SCUP

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 312-316

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 316-317

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
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US BUR FISH BULL 43, PART 1, 317-321

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM IMPROVEMENT

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PROTECTION, VIRGINIA, WETLANDS

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\*\*\*\*\* MATTAPONI RIVER

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(VIMS THESIS)

ALOSIDS, AMERICAN SHAD, JAMES RIVER, MATTAPONI RIVER, PAMUNKEY RIVER,  
RAPPAHANNOCK RIVER, STOCKING

1971 HYER PV ET AL  
HYDROGRAPHY AND HYDRODYNAMICS OF VIRGINIA ESTUARIES. II. STUDIES OF THE  
DISTRIBUTION OF SALINITY AND DISSOLVED OXYGEN IN THE UPPER YORK SYSTEM  
VIMS SPEC REPT APPL MAR SCI AND OCEAN ENGRNG 13

COMPUTER PROGRAMS, DISSOLVED OXYGEN, ESTUARIES, HYDROGRAPHY, MATHEMATICAL  
MODELS, MATTAPONI RIVER, PAMUNKEY RIVER, SALINITY, YORK RIVER

\*\*\*\*\* MEANDERS

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1927 CAMPBELL MR  
MEANING OF MEANDERS IN TIDAL STREAMS  
GEOL SOC AMERICA BULL 38, 537-556

GEOMORPHOLOGY, JAMES RIVER, MEANDERS, RIVER BEDS

## \*\*\*\*\* MEASUREMENT \*\*\*\*\*

1961 ANDREWS JD  
MEASUREMENT OF SHELL GROWTH IN OYSTERS BY WEIGHING IN WATER  
NATL SHELLFISH ASSOC PROC 52 (1961), 1-11 (VIMS CONTR 110)

GROWTH RATES, LABORATORY TESTS, MEASUREMENT

## \*\*\*\*\* MESOZOIC ERA \*\*\*\*\*

1878 HEINRICH OJ  
MESOZOIC FORMATION IN VIRGINIA  
AMER INST MINING ENGINEERS TRANS 6, 227-274

COALS, ECONOMICS, GEOLOGIC FORMATIONS, MESOZOIC ERA, PALEONTOLOGY, SULFUR BACTERIA

1891 DARTON NH  
MESOZOIC AND CENOZOIC FORMATIONS OF EASTERN VIRGINIA AND MARYLAND  
GEOL SOC AMER BULL 2, 431-450

ATLANTIC COASTAL PLAIN, CENOZOIC ERA, GEOLOGIC FORMATIONS, MARYLAND, MESOZOIC ERA, VIRGINIA

## \*\*\*\*\* METABOLISM \*\*\*\*\*

1971 BIOSPHERICS INCORPORATED  
STUDY OF THE POSSIBLE ROLE OF POLLUTION IN THE PREVALENCE OF SEA NETTLES IN THE CHESAPEAKE BAY...  
BIOSPHERICS INC, ROCKVILLE, MARYLAND

CENSUS, METABOLISM, POLLUTANTS, REMOTE SENSING, SEA NETTLES

1971 BIOSPHERICS INCORPORATED  
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CENSUS, METABOLISM, POLLUTANTS, REMOTE SENSING, SEA NETTLES

## \*\*\*\*\* METEOROLOGICAL DATA \*\*\*\*\*

1960 PORE A  
CHESAPEAKE BAY HURRICANE SURGES  
CHESAPEAKE SCIENCE 1, 178-186

CHESAPEAKE BAY, HURRICANES, METEOROLOGICAL DATA, SLIME

1970 VIRGINIA DIVISION OF WATER RESOURCES  
JAMES RIVER BASIN COMPREHENSIVE WATER RESOURCES PLAN. VOL 3-HYDROLOGIC ANALYSIS  
RICHMOND (ITS PLANNING BULLETIN 215)

CHEMICAL ANALYSIS, DRAINAGE PATTERNS (GEOLOGIC), GROUNDWATER, HYDROLOGIC DATA, JAMES RIVER, METEOROLOGICAL DATA, SALINITY, WATER RESOURCES DEVELOPMENT

## \*\*\*\*\* METHODOLOGY \*\*\*\*\*

1966 PATTEN RC ET AL  
VERTICAL DISTRIBUTION AND SINKING CHARACTERISTICS OF SESTON IN THE LOWER YORK RIVER, VIRGINIA  
CHES SCI 7, 20-29 (VIMS CONTR 209)

FLUCTUATION, INORGANIC COMPOUNDS, METHODOLOGY, ORGANIC MATTER, PHYTOPLANKTON, SESTON, YORK RIVER

## \*\*\*\*\* MICROORGANISMS \*\*\*\*\*

1969 PERKINS FO  
ELECTRON MICROSCOPE STUDIES OF SPORULATION IN THE OYSTER PATHOGEN, MINCHINIA COSTALIS (SPOROZOA, HAPLOSPORIDA)  
J PARASITOLOGY 55, 897-920 (VIMS CONTR 307)

ANIMAL PARASITES, JAMES RIVER, MICROORGANISMS, OYSTERS, STREAM GAGES, ELECTRON MICROSCOPY

## \*\*\*\*\* MIDDLE ATLANTIC BIGHT \*\*\*\*\*

1971 LEONARD SB  
LARVAE OF THE FOURSPOT FLOUNDER, HIPPOGLOSSINA OBLONGA...FROM THE CHESAPEAKE BIGHT, WESTERN NORTH ATLANTIC

BENTHIC FAUNA, LARVAL GROWTH STAGE, MARINE FISH, MIDDLE ATLANTIC BIGHT

1971 MULFORD RA, NORCROSS JJ  
SPECIES COMPOSITION AND ABUNDANCE OF NET PHYTOPLANKTON IN VIRGINIAN COASTAL WATERS  
CHES SCI 12, 142-155 (VIMS CONTR 393)

PHYTOPLANKTON, SAMPLING, SEASONAL DISTRIBUTION, MIDDLE ATLANTIC BIGHT

## \*\*\*\*\* MIGRATION \*\*\*\*\*

1950 SETTE OF  
BIOLOGY OF THE ATLANTIC MACKEREL (SCOMBER SCOMBRUS) OF NORTH AMERICA  
USF AND WS FISHERY BULL 51

BIOLOGY, DIURNAL DISTRIBUTION, MIGRATION, SCHOOLS (FISH)

1958 VAN ENGEL WA  
THE BLUE CRAB AND ITS FISHERY IN CHESAPEAKE BAY  
COMM FISH REVIEW 20(6),6-17 (VIMS CONTR 79)

CRABS, LARVAL GROWTH STAGE, MIGRATION, REPRODUCTION

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1968 DAVIS J  
POTENTIAL FOR AN INDUSTRIAL TRAWL FISHERY IN CHESAPEAKE BIGHT  
VIRGINIA J SCIENCE 19, 177 (VIMS CONTR 273)

COMMERCIAL FISHING, FISH POPULATIONS, MIGRATION PATTERNS, SEASONAL  
DISTRIBUTION, TRAWLING

\*\*\*\*\* MINE WASTES \*\*\*\*\*

1971 VIRGINIA GOVERNORS COUNCIL ON THE ENVIRONMENT  
THE STATE OF VIRGINIAS ENVIRONMENT

AIR POLLUTION, EROSION CONTROL, MINE WASTES, MUNICIPAL WASTES, SMALL  
GAME, STRUCTURAL RELAXATION, VIRGINIA, WATER POLLUTION CONTROL

1971 VIRGINIA POLYTECHNIC INSTITUTE  
WATER RESOURCES RESEARCH IN VIRGINIA--ANNUAL REPORT FOR FISCAL YEAR 1971  
WATER RESOURCES RESEARCH CENTER, BLACKSBURG, VIRGINIA, BULL 46

EUTROPHICATION, MARSHES, MINE WASTES, PESTICIDE REMOVAL, POLLUTANTS,  
RESEARCH AND DEVELOPMENT, VIRGINIA, WASTE WATER TREATMENT, WATER QUALITY

\*\*\*\*\* MINERAL INDUSTRY \*\*\*\*\*

1912 CLARK WB, MILLER BL  
PHYSIOGRAPHY AND GEOLOGY OF THE COASTAL PLAIN PROVINCE OF VIRGINIA...  
VA GEOL SURVEY BULL 4

ATLANTIC COASTAL PLAIN, EARTH MATERIALS, GEOLOGIC FORMATIONS, GEOLOGY,  
GEOMORPHOLOGY, MINERAL INDUSTRY, PALEONTOLOGY, SEDIMENTARY PETROLOGY,  
VIRGINIA

\*\*\*\*\* MINERALOGY \*\*\*\*\*

1897 WATSON TL  
A BIBLIOGRAPHY OF THE GEOLOGICAL, MINERALOGICAL AND PALEONTOLOGICAL  
LITERATURE OF THE STATE OF VIRGINIA  
BULLS AM PALEONTOLOGY 2(7)

BIBLIOGRAPHIES, GEOLOGY, MINERALOGY, PALEONTOLOGY, VIRGINIA

1939 STOW MH  
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J SEDIMENTARY PETROLOGY 9, 86-91

JAMES RIVER, MINERALOGY, PROVENANCE, SEDIMENTARY PETROLOGY

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 225

AGRICULTURE, ECONOMICS, ELECTRIC POWER PRODUCTION, FUTURE PLANNING  
(PROJECTED), GEOLOGY, GROUNDWATER, MINERALOGY, RECREATION, THERMAL  
CONDUCTIVITY, YORK RIVER

\*\*\*\*\* MINING \*\*\*\*\*

1955 GOTTMANN J  
VIRGINIA AT MID-CENTURY  
HENRY HOLT AND COMPANY, NEW YORK

AGRICULTURE, FORESTS, GEOGRAPHICAL REGIONS, HISTORY, INDUSTRIES, MINING,  
NATURAL RESOURCES, VIRGINIA

\*\*\*\*\* MIOCENE EPOCH \*\*\*\*\*

1928 MANSFIELD WC  
NEW FOSSIL MOLLUSKS FROM THE MIOCENE OF VIRGINIA AND NORTH CAROLINA, WITH  
A BRIEF OUTLINE OF THE DIVISIONS OF THE CHESAPEAKE GROUP  
US NATL MUSEUM PROC 74, ARTICLE 14

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1953 MALKIN DS  
BIOSTRATIGRAPHIC STUDY OF MIOCENE OSTRACODA OF NEW JERSEY, MARYLAND, AND  
VIRGINIA  
J PALEONTOLOGY 27, 761-799

ATLANTIC COASTAL PLAIN, MIOCENE EPOCH, OSTRACODS, PALEONTOLOGY, SULFUR  
BACTERIA

1956 MCLEAN JD, JR  
FORAMINIFERA OF THE YORKTOWN FORMATION IN THE YORK-JAMES PENINSULA, WITH  
NOTES ON THE ASSOCIATED MOLLUSKS  
BULLS AM PALEONTOLOGY 36, 255-394

FORAMINIFERA, GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, MOLLUSKS,  
PALEONTOLOGY, SULFUR BACTERIA, YORK RIVER

1957 MCLEAN JD, JR  
OSTRACODA OF THE YORKTOWN FORMATION IN THE YORK-JAMES PENINSULA OF VIRGINIA...  
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GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, OSTRACODS, PALEONTOLOGY, SULFUR BACTERIA, YORK RIVER

1960 SABOL JW  
THE MICROFAUNA OF THE YORKTOWN FORMATION FROM JAMES RIVER, SURRY COUNTY, VIRGINIA  
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FORAMINIFERA, GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, MOLLUSKS, OSTRACODS, PALEONTOLOGY, SULFUR BACTERIA

1962 GIBSON TG  
BENTHONIC FORAMINIFERA AND PALEOECOLOGY OF THE MIOCENE DEPOSITS OF THE MIDDLE ATLANTIC COASTAL PLAIN  
PRINCETON DISSERTATION

ATLANTIC COASTAL PLAIN, FORAMINIFERA, MIOCENE EPOCH, PALEONTOLOGY, SULFUR BACTERIA

1962 HARRISON W  
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VA ACAD SCIENCE GUIDEBOOK FOR FIELD TRIPS, NORFOLK MEETING-1962, 37-61

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1966 MCLEAN JD JR  
MIOCENE AND PLEISTOCENE FORAMINIFERA AND OSTRACODA OF SOUTHEASTERN VIRGINIA  
VA DIV MINERAL RESOURCES REPORT OF INVESTIGATIONS 9

CHESAPEAKE BAY, FORAMINIFERA, JAMES RIVER, MIOCENE EPOCH, OSTRACODS, PALEONTOLOGY, PLEISTOCENE EPOCH, SULFUR BACTERIA, YORK RIVER

1969 SPENCER RS, ROGERS WS  
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VIRGINIA J SCIENCE 20, 19-21

ELIZABETH RIVER, GEOLOGIC FORMATIONS, MIOCENE EPOCH, PLEISTOCENE EPOCH

\*\*\*\*\* MOBJACK BAY \*\*\*\*\*

1969  
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CORROTOMAN RIVER, FISHING GEAR, JAMES RIVER, LEGAL ASPECTS, MOBJACK BAY, PIANKATANK RIVER, RAPPAHANNOCK RIVER

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CHES SCI 12, 125-130 (VIMS CONTR 397)

ECOLOGICAL DISTRIBUTION, MARSH PLANTS, MOBJACK BAY, PLANT POPULATIONS, SALT MARSHES

\*\*\*\*\* MOLLUSKS \*\*\*\*\*

1842 TUGMEY M  
DISCOVERY OF A CHAMBERED UNIVALVE FOSSIL IN THE EOCENE TERTIARY OF JAMES RIVER, VIRGINIA  
AMER J SCIENCE 43, 187

JAMES RIVER, MOLLUSKS, PALEONTOLOGY, SHELLFISH

1928 MANSFIELD WC  
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1935 MCGAVOCK CB, JR  
DESCRIPTIONS OF THE MAJORITY OF THE PELECYPODS OF THE YORKTOWN FORMATION OF VIRGINIA  
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MOLLUSKS, NORTH CAROLINA, PALEONTOLOGY, SULFUR BACTERIA, SHELLFISH, VIRGINIA

1948 GARDNER J  
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CLASSIFICATION, JAMES RIVER, MOLLUSKS

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NOTES ON THE ASSOCIATED MOLLUSKS  
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FORAMINIFERA, GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, MOLLUSKS,  
PALEONTOLOGY, SULFUR BACTERIA, YORK RIVER

1960 SABOL JW  
THE MICROFAUNA OF THE YORKTOWN FORMATION FROM JAMES RIVER, SURRY COUNTY,  
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FORAMINIFERA, GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, MOLLUSKS,  
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1963 NAGABHUSHNAM R  
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JAMES RIVER, MOLLUSKS, MUSSELS

1966 RICHARDS HG  
PLEISTOCENE PELECYPODA OF VIRGINIA  
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MOLLUSKS, PALEONTOLOGY, PLEISTOCENE EPOCH, VIRGINIA

1968 TURGEON DD  
GUIDE TO ESTUARINE AND INSHORE BIVALVES OF VIRGINIA  
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CHESAPEAKE BAY, CLASSIFICATION, MOLLUSKS, THUNDERSTORMS, VIRGINIA

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ARCH INT PHYSIOL BIOCHEM 79, 327-336 (VIMS CONTR 376)

AMINO ACIDS, BIOCHEMISTRY, MOLLUSKS, SOFT'CLAM

\*\*\*\*\* MONITORING \*\*\*\*\*

1942 LOCHHEAD MS, NEWCOMBE CL  
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1943 HOPKINS SH  
THE EXTERNAL MORPHOLOGY OF THE FIRST AND SECOND ZOEAL STAGES OF THE BLUE  
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AMER MICROS SOC TRANS 62, 85-90 (VIMS CONTR 10)

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1964 HAEFNER PA, SHUSTER C  
LENGTH INCREMENTS DURING TERMINAL MOLT OF THE FEMALE BLUE CRAB,  
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1971 SANDIFER PA, VAN ENGEL WA  
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CHES SCI 12, 18-25 (VIMS CONTR 361)

LABORATORY ANIMALS, LARVAL GROWTH STAGE, MOLTING

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1971 BOLUS RL ET AL  
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\*\*\*\*\* MORPHOLOGY \*\*\*\*\*

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S, MORPHOLOGY

1968 ROBERTS MH JR  
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\*\*\*\*\* MORTALITY

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REPORT OF THE INVESTIGATION ON THE MORTALITY OF OYSTERS AND DECLINE OF  
OYSTER PRODUCTION IN VA WATERS  
US BUR FISH UNPUBL MS

JAMES RIVER, MORTALITY, OYSTER INDUSTRY, YORK RIVER

1954 WOOD JT, GOODWIN OK  
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EASTERN VIRGINIA  
VA J OF SCIENCE 5, 60-64

JAMES RIVER, MORTALITY, TEMPORAL DISTRIBUTION, TURTLES, YORK RIVER

1957 ANDREWS JD ET AL  
INVESTIGATIONS OF THE EFFECTS ON OYSTER CULTURE OF THE DREDGING FOR THE  
HAMPTON ROADS BRIDGE-TUNNEL  
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1957 HAVEN D, ANDREWS JD  
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HYBRIDS IN SUSPENDED TRAYS AND ON NATURAL BOTTOMS  
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CLAMS, GROWTH RATES, MORTALITY, HYBRID

1959 ANDREWS JD ET AL  
FRESH-WATER KILL OF OYSTERS (CRASSOSTREA VIRGINICA) IN JAMES RIVER, VA,  
1958  
NATL SHELLFISHERIES ASSOC PROC 49, 29-49 (VIMS CONTR 87)

FRESHWATER, JAMES RIVER, MORTALITY, OYSTERS, SALINITY

1962 ANDREWS JD  
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BEDS  
NATL SHELLFISHERIES ASSOC PROC 53, 65-84 (VIMS CONTR 155)

BEDS UNDER WATER, DERMOCYSTIDIUM, JAMES RIVER, MORTALITY, MSX, OYSTERS,  
SALINITY

1962 HOESE HD  
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1967 ANDREWS JD  
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PATTERNS, PROTOZOA

1968 SINDERMANN CJ  
OYSTER MORTALITIES WITH PARTICULAR REFERENCE TO CHESAPEAKE BAY AND THE  
ATLANTIC COAST OF NORTH AMERICA  
SF AND WS SPEC SCI REPT FISHERIES 569

CHESAPEAKE BAY, DERMOCYSTIDIUM, MORTALITY, MSX, OYSTER INDUSTRY, OYSTERS

1971 ST PIERRE RA  
AGE, GROWTH, AND MORTALITY OF THE WHITE PERCH...IN THE JAMES AND YORK  
RIVERS, VIRGINIA  
VIMS THESIS

GROWTH RATES, JAMES RIVER, MORTALITY, VIRGINIA, WHITE PERCH, YORK RIVER

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SOME PREDATORS OF POLYPS OF CHRYSAORA QUINQUECIRRHA (SCYPHOZOA,  
SEMAEOSTOMEAE) IN THE CHESAPEAKE BAY  
VA J SCIENCE 228 45,46 (VIMS CONTR 363)

CHESAPEAKE BAY, JELLYFISH, MORTALITY, PREDATION, SEA NETTLES, SCYPHOZOA

\*\*\*\*\* MSX

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1962 ANDREWS JD  
OYSTER MORTALITY STUDIES IN VIRGINIA. 4. MSX IN JAMES RIVER PUBLIC SEED  
BEDS  
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SALINITY



1965 ANDREWS JD  
INFECTION EXPERIMENTS IN NATURE WITH DERMOCYSTIDIUM MARINUM IN CHESAPEAKE BAY  
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CHESAPEAKE BAY, MSX, OYSTERS, PATHOGENIC FUNGI, ANIMAL PATHOLOGY

1966 ANDREWS JD  
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ANIMAL PATHOLOGY, CHESAPEAKE BAY, DELAWARE, FLUORESCENCE, MSX, OYSTERS, STREAM GAGES

1967 ANDREWS JD  
OYSTER MORTALITY STUDIES IN VIRGINIA. 6. HISTORY AND DISTRIBUTION OF MINCHINIA NELSONI, A PATHOGEN OF OYSTERS, IN VIRGINIA  
CHESAPEAKE SCIENCE 8, 1-13 (VIMS CONTR 225)

JAMES RIVER, MSX, OYSTERS, ANIMAL PATHOLOGY, MORTALITY, DISTRIBUTION PATTERNS, PROTOZOA

1967 ANDREWS JD  
INTERACTION OF TWO DISEASES OF OYSTERS IN NATURAL WATERS  
NATL SHELLFISH ASSOC PROC 57, 38-49 (VIMS CONTR 207)

DERMOCYSTIDIUM, MSX, OYSTERS, YORK RIVER

1968 SINDERMAN CJ  
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CHESAPEAKE BAY, DERMOCYSTIDIUM, MORTALITY, MSX, OYSTER INDUSTRY, OYSTERS

1968 VIRGINIA INSTITUTE OF MARINE SCIENCE  
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1969 MENGEBIER WL, WOOD L  
THE EFFECTS OF MINCHINIA NELSONI INFECTION ON ENZYME LEVELS IN CRASSOSTREA VIRGINICA. II. SERUM PHOSPHOHEXOSE ISOMERASE  
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ANIMAL PHYSIOLOGY, ENZYMES, MSX, ORGANIC COMPOUNDS, OYSTERS

1968 PERKINS FO  
FINE STRUCTURE OF THE OYSTER PATHOGEN MINCHINIA NELSONI (HAPLOSPORIDA, HAPLOSPORIDIIDAE)  
J INVERT PATHOL 10, 287-305 (VIMS CONTR 269)

ELECTRON MICROSCOPY, MSX, OYSTERS, PATHOLOGY, HISTOLOGICAL INVESTIGATIONS

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ANIMAL PHYSIOLOGY, ENZYMES, MSX, ORGANIC COMPOUNDS, OYSTERS

\*\*\*\*\* MULLET

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1927 HILDEBRAND SF, SCHROEDER WC  
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NAVIGABLE RIVERS, PROJECT FEASIBILITY

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BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, POLLUTION  
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DAMSITES, JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS

1931 EMBREY AT  
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BEDS UNDER WATER, LEGAL ASPECTS, NAVIGABLE WATERS, PUBLIC LANDS, RIPARIAN  
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1966 PATTEN BC ET AL  
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YORK RIVER, VIRGINIA  
CHES SCI 7, 20-29 (VIMS CONTR 209)

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CIRCULATION

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1953 BREWINGTON MV  
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CHESAPEAKE BAY, OYSTER INDUSTRY, RAPPAHANNOCK RIVER

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1960 HARGIS WJ, JR  
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(VIMS MS)

JAMES RIVER, OYSTER DRILLS, OYSTER INDUSTRY

1961 UNITED STATES ARMY CORPS OF ENGINEERS  
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OYSTER INDUSTRY

1964 CHRISTY FT  
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INDUSTRY  
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CHESAPEAKE BAY, ECONOMICS, MANAGEMENT, MARYLAND, OYSTER INDUSTRY,  
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1965 HARGIS WJ, JR  
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ECONOMIC FEASIBILITY, ENVIRONMENTAL ENGINEERING, JAMES RIVER, OYSTER  
INDUSTRY, WATER RESOURCES DEVELOPMENT

1966 HARGIS WJ, JR  
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CHANNEL IMPROVEMENT, ECOLOGICAL IMPACT, FUTURE PLANNING (PROJECTED),  
HYDRAULIC MODELS, JAMES RIVER, OYSTER INDUSTRY, WATER RESOURCES  
DEVELOPMENT

1968 SINDERMAN CJ  
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SF AND WS SPEC SCI REPT FISHERIES 569

CHESAPEAKE BAY, DERMOCYSTIDIUM, MORTALITY, MSX, OYSTER INDUSTRY, OYSTERS

1968 VIRGINIA INSTITUTE OF MARINE SCIENCE  
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INDUSTRY

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OYSTERS, CRASSOSTREA VIRGINICA  
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CHEMICALS, CULTCH, OYSTER INDUSTRY

1969  
OYSTERS, CLAMS AND OTHER BIVALVES (REGULATIONS)  
VA CODE, 1950, TITLE 28.1 C 5 28.1-82 TO 28.1-164

CLAM INDUSTRY, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA, LEGAL  
ASPECTS



1969  
OYSTERS TO BE CULLED AS TAKEN  
VA CODE,1950, 28.1-124

JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, VIRGINIA

1969  
EXEMPTED WATERS (CULLING LAW)  
VA CODE,1950, 28.1-126

EASTERN SHORE (VA-MD), JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY,  
RAPPAHANNOCK RIVER

1969  
ASSIGNMENTS OF PLANTING GROUNDS TO RIPARIAN OWNERS  
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BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, OWNERSHIP OF BEDS, OYSTER  
INDUSTRY, SOCIAL ASPECTS, VIRGINIA

1969  
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ASPECTS, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA

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SEED AREA OF JAMES RIVER  
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LANDS

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LANDS

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BEDS UNDER WATER, DREDGING, JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY,  
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CULTCHLESS SEED OYSTERS  
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COMMERCIAL FISHING, OYSTER INDUSTRY, VIRGINIA

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OYSTERS, CRASSOSTREA VIRGINICA  
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CHEMICALS, CULTCH, OYSTER INDUSTRY, OYSTER SETTING, MARICULTURE

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SEASON FOR TAKING OYSTERS FROM PUBLIC ROCK  
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BEDS UNDER WATER, CHESAPEAKE BAY, EASTERN SHORE (VA-MD), JAMES RIVER,  
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1970  
CLEAN CULL AREA  
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CHESAPEAKE BAY FIGHTS FOR ITS LIFE  
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CRAB INDUSTRY, DREDGING, OYSTER INDUSTRY, POLLUTANTS, POPULATION, SIEVE  
ANALYSIS, WILDLIFE, INDUSTRIAL FISH

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BOATS, LABOR, OYSTER INDUSTRY, VIRGINIA, CHESAPEAKE BAY, HOSTS

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1951 ANDREWS JD  
SEASONAL PATTERNS OF OYSTER SETTING IN THE JAMES RIVER AND CHESAPEAKE BAY  
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JAMES RIVER, OYSTERS, SEASONAL DISTRIBUTION, OYSTER SETTING, DISTRIBUTION PATTERNS

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NATL SHELLFISH ASSOC PROC 45(1954), 38-46 (VIMS CONTR 53)

JAMES RIVER, OYSTERS, SEASONAL DISTRIBUTION, OYSTER SETTING

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EFFECTS OF POLYSTREAM AND DRILLEX ON OYSTER SETTING IN CHESAPEAKE BAY AND  
CHINCOTEAGUE BAY  
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CHEMICALS, CHESAPEAKE BAY, OYSTERS, OYSTER SETTING

1967 CRISP DJ  
CHEMICAL FACTORS INDUCING SETTLEMENT IN CRASSOSTREA VIRGINICA (GMELIN)  
J ANIMAL ECOL 36, 329-335 (VIMS CONTR 261)

ATTRACTANTS, LARVAL GROWTH STAGE, OYSTERS, OYSTER SETTING

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THE SEASIDE OF VIRGINIA  
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HYDROGRAPHY, JAMES RIVER, OYSTER INDUSTRY, OYSTERS

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GMELIN  
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WASTES ON OYSTERS IN THE YORK RIVER, VIRGINIA  
SF+WS FISHERY BULLETIN 51, 43

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PHYTOPLANKTON, PIANKATANK RIVER, POLLUTANTS, PULP WASTES, VIRGINIA, YORK  
RIVER

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IMPROVEMENT

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SPOROZOAN PARASITE OF THE OYSTER...IN LOWER CHESAPEAKE BAY AND ITS  
TRIBUTARIES  
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1957 MCHUGH JL, BAILEY RS  
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OYSTERS, PARASITISM, HISTOLOGICAL INVESTIGATIONS, STREAM GAGES, PROTOZOA,  
ANIMAL PARASITES

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FRESH-WATER KILL OF OYSTERS (CRASSOSTREA VIRGINICA) IN JAMES RIVER, VA,  
1958  
NATL SHELLFISHERIES ASSOC PROC 49, 29-49 (VIMS CONTR 87)

FRESHWATER, JAMES RIVER, MORTALITY, OYSTERS, SALINITY

1962 ANDREWS JD  
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BEDS  
NATL SHELLFISHERIES ASSOC PROC 53, 65-84 (VIMS CONTR 155)

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SALINITY

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1961  
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JAMES RIVER, MORTALITY, OYSTERS, WINTER

1962 BLACK RE  
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DEVELOPMENTAL STAGES OF THE OYSTER CRASSOSTREA VIRGINICA  
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EMBRYONIC GROWTH STAGE, ENZYMES, OYSTERS, RESPIRATION

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THE CONCENTRATIONS OF SOME ENZYMES OF THE CITRIC ACID CYCLE AND ELECTRON  
TRANSPORT SYSTEM IN THE LARGE GRANULE SECTION OF EGGS AND TROCHOPHORES OF  
THE OYSTER...  
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DERMOCYSTIDIUM MARINUM  
NATL SHELLFISH ASSOC PROC 53, 161-174 (VIMS CONTR 162)

DERMOCYSTIDIUM, OYSTERS, SCAVENGERS, MARINE FUNGI, ANIMAL PATHOLOGY,  
CRABS

1964 CHRISTY FT  
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UNIVERSITY OF MICHIGAN DISSERTATION

CHESAPEAKE BAY, ECONOMICS, MANAGEMENT, MARYLAND, OYSTER INDUSTRY,  
OYSTERS, PUBLIC LANDS, RESOURCE DEVELOPMENT, VIRGINIA

1964 BLACK RE, PENGELLEY ET  
ALPHA AMYLASE DEVELOPMENT IN EMBRYOS OF CRASSOSTREA VIRGINICA  
BIOL BULL 126, 199-204 (VIMS CONTR 154)

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1964 KENK VC  
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NATL SHELLFISH ASSOC PROC 55, 87-88 (VIMS CONTR 206)

CRABS, OYSTERS, PARASITISM, PROTOZOA

1965 LYNCH MP  
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VIRGINICA  
(VIMS THESIS)

AMINO ACIDS, JAMES RIVER, OYSTERS, PHYSIOLOGICAL ECOLOGY, SALINITY, YORK  
RIVER

1965 HAVEN DS  
SUPPLEMENTAL FEEDING OF OYSTERS WITH STARCH  
CHES SCI 6, 43-51 (VIMS CONTR 166)

FOODS, OYSTERS, SOCIAL ASPECTS, STARCH

1965 ANDREWS JD  
INFECTION EXPERIMENTS IN NATURE WITH DERMOCYSTIDIUM MARINUM IN CHESAPEAKE BAY  
CHES SCI 6, 60-67 (VIMS CONTR 172)

CHESAPEAKE BAY, MSX, OYSTERS, PATHOGENIC FUNGI, ANIMAL PATHOLOGY

1965 HAVEN DS, MORALES-ALAMO R  
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LIMNOL OCEANOGR 10, 605-606 (VIMS CONTR 198)

FLOW CONTROL, FLOW RATES, LABORATORY EQUIPMENT, OYSTERS

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COMP BIOCHEM PHYSIOL 19, 783-790 (VIMS CONTR 222)

AMINO ACIDS, JAMES RIVER, OYSTERS, PHYSIOLOGICAL ECOLOGY, SALINITY, YORK RIVER

1966 ANDREWS JD  
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JAMES RIVER, MSX, OYSTERS, PROTOZOA, VIRGINIA

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SETTING AND GROWTH OF THE AMERICAN OYSTER, CRASSOSTREA VIRGINICA, ON NAVIGATION BUOYS IN THE LOWER CHESAPEAKE BAY  
NATL SHELLFISHERIES ASSOC PROC 56, 67-72

BUOYS, CHESAPEAKE BAY, GROWTH RATES, OYSTERS

1966 HAVEN DS, MORALES-ALAMO R  
USE OF FLUORESCENT PARTICLES TO TRACE OYSTER BIODEPOSITS IN MARINE SEDIMENTS  
VIMS CONTR 194

BIODEPOSITION, FLUORESCENCE, OYSTERS, SEDIMENTS

1966 BARROW JH ET AL  
FLUORESCENT-ANTIBODY STUDIES OF HAPLOSPORIDIAN PARASITES OF OYSTERS IN CHESAPEAKE AND DELAWARE BAY  
SCIENCE 153(3743), 1531-1533

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1967 ANDREWS JD  
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CHESAPEAKE SCIENCE 8, 1-13 (VIMS CONTR 225)

JAMES RIVER, MSX, OYSTERS, ANIMAL PATHOLOGY, MORTALITY, DISTRIBUTION PATTERNS, PROTOZOA

1967 SHAW WN, GRIFFITH GT  
EFFECTS OF POLYSTYRENE AND DRILLEX ON OYSTER SETTING IN CHESAPEAKE BAY AND CHINCOTEAGUE BAY  
NATL SHELLFISHERIES ASSOC PROC, 57, 17-23

CHEMICALS, CHESAPEAKE BAY, OYSTERS, OYSTER SETTING

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BENTHIC FAUNA, INDICATORS, OYSTERS, POLYCHAETES, WATER POLLUTION EFFECTS

1967 CRISP DJ  
CHEMICAL FACTORS INDUCING SETTLEMENT IN CRASSOSTREA VIRGINICA (GMELIN)  
J ANIMAL ECOL 36, 329-335 (VIMS CONTR 261)

ATTRACTANTS, LARVAL GROWTH STAGE, OYSTERS, OYSTER SETTING

1967 ANDREWS JD  
INTERACTION OF TWO DISEASES OF OYSTERS IN NATURAL WATERS  
NATL SHELLFISH ASSOC PROC 57, 38-49 (VIMS CONTR 207)

DERMOCYSTIDIUM, MSX, OYSTERS, YORK RIVER

1968 SINDERMAN CJ  
OYSTER MORTALITIES WITH PARTICULAR REFERENCE TO CHESAPEAKE BAY AND THE ATLANTIC COAST OF NORTH AMERICA  
SF AND WS SPEC SCI REPT FISHERIES 569

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1968 TURGEON KW  
EFFECTS OF SMALL QUANTITIES OF CORNSTARCH AND DEXTROSE ON THE OYSTER, CRASSOSTREA VIRGINICA (GMELIN)  
VIMS THESIS

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1969 MENGEBIER WL, WOOD L  
THE EFFECTS OF MINCHINIA NELSONI INFECTION ON ENZYME LEVELS IN  
CRASSOSTREA VIRGINICA. II. SERUM PHOSPHOHEXOSE ISOMERASE  
COMP BIOCHEM PHYSIOL 29, 265-270 (VIMS CONTR 291)

ANIMAL PHYSIOLOGY, ENZYMES, MSX, ORGANIC COMPOUNDS, OYSTERS

1969 PERKINS FO  
ULTRASTRUCTURE OF VEGETATIVE STAGES IN LABYRINTHOMYXA MARINA  
(DERMOCYSTIDIUM MARINUM), A COMMERCIALY SIGNIFICANT OYSTER PATHOGEN  
J INVERT PATHOL 13, 199-222 (VIMS CONTR 299)

DERMOCYSTIDIUM, OYSTERS, PATHOLOGY

1968 PERKINS FO  
FINE STRUCTURE OF THE OYSTER PATHOGEN MINCHINIA NELSONI (HAPLOSPORIDA,  
HAPLOSPORIDIIDAE)  
J INVERT PATHOL 10, 287-305 (VIMS CONTR 269)

ELECTRON MICROSCOPY, MSX, OYSTERS, PATHOLOGY, HISTOLOGICAL INVESTIGATIONS

1969 VIRGINIA MARINE RESOURCES COMMISSION  
HURRICANE CAMILLE EFFECTS IN ESTUARINE AREAS  
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FLOOD DAMAGE, HURRICANES, JAMES RIVER, OYSTERS, YORK RIVER

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(HAPLOSPORIDA, HAPLOSPORIDIIDAE)  
J PARASITOLOGY 55, 921-941

CHESAPEAKE BAY, MSX, OYSTERS, PARASITISM, STREAM GAGES

1969 PERKINS FO  
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MINCHINIA COSTALIS (SPOROZOA, HAPLOSPORIDA)  
J PARASITOLOGY 55, 897-920 (VIMS CONTR 307)

ANIMAL PARASITES, JAMES RIVER, MICROORGANISMS, OYSTERS, STREAM GAGES,  
ELECTRON MICROSCOPY

1969 HAVEN DS  
LEVELS OF THE HERBICIDE DIQUAT IN TWO ESTUARINE MOLLUSCS AND IN THE WATER  
AND MUD  
VIRGINIA J SCIENCE 20, 51-53 (VIMS CONTR 308)

DIQUAT, HERBICIDES, OYSTERS, POTOMAC RIVER, SOFT CLAM

1969 LAWLER AR  
OCCURRENCE OF THE POLYCLAD CORONADENA MUTABILIS (VERRILL, 1873) IN  
VIRGINIA  
CHES SCI 10, 65-67 (VIMS CONTR 302)

OYSTERS, PLATYHELMINTHES, RANGES, VIRGINIA

1969 MENGEBIER WL, WOOD L  
THE EFFECTS OF MINCHINIA NELSONI INFECTION ON ENZYME LEVELS IN  
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ANIMAL PHYSIOLOGY, ENZYMES, MSX, ORGANIC COMPOUNDS, OYSTERS

1969 PERKINS FO  
ULTRASTRUCTURE OF VEGETATIVE STAGES IN LABYRINTHOMYXA MARINA  
(DERMOCYSTIDIUM MARINUM), A COMMERCIALY SIGNIFICANT OYSTER PATHOGEN  
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DERMOCYSTIDIUM, OYSTERS, PATHOLOGY

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DESIGNATION OF NATURAL OYSTER ROCK IN NOMINI AND CURRIOMAN BAY,  
WESTMORELAND COUNTY  
MINUTES OF MEETINGS, 23 JUNE, 28 JULY

BEDS UNDER WATER, LEGAL ASPECTS, OYSTERS, POTOMAC RIVER

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DISPOSITION OF PUBLIC LAW 88-309 (1964 COM FISH RES AND DEV ACT) FUNDS  
MINUTES OF MEETINGS, 28 APRIL

CLAMS, FINANCING, OYSTERS, RESEARCH AND DEVELOPMENT

1970 HAVEN DS, MORALES-ALAMO R  
FILTRATION OF PARTICLES FROM SUSPENSION BY THE AMERICAN OYSTER  
CRASSOSTREA VIRGINICA  
BIOL BULL 139, 248-264 (VIMS CONTR 356)

FILTRATION, FOOD HABITS, OYSTERS, VIRGINIA

1971 DIAZ RJ  
EFFECTS OF THERMAL SHOCK ON LARVAE OF THE OYSTER, CRASSOSTREA VIRGINICA  
(GMELIN)  
VIMS THESIS

LARVAL GROWTH STAGE, OYSTERS, SILVER IODIDE

1971 WOOD L, HARGIS WJ JR  
 TRANSPORT OF BIVALVE LARVAE IN A TIDAL ESTUARY  
 EUROPEAN MAR BIOL SYMP, FOURTH, 29-44 (VIMS CONTR 328)

JAMES RIVER, LARVAE, OYSTERS, SLIME

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1842 TUOMEY M  
 DISCOVERY OF A CHAMBERED UNIVALVE FOSSIL IN THE EOCENE TERTIARY OF JAMES  
 RIVER, VIRGINIA  
 AMER J SCIENCE 43, 187

JAMES RIVER, MOLLUSKS, PALEONTOLOGY, SHELLFISH

1878 HEINRICH OJ  
 MESOZOIC FORMATION IN VIRGINIA  
 AMER INST MINING ENGINEERS TRANS 6, 227-274

COALS, ECONOMICS, GEOLOGIC FORMATIONS, MESOZOIC ERA, PALEONTOLOGY, SULFUR  
 BACTERIA

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1968 BURRELL VG JR  
ECOLOGICAL SIGNIFICANCE OF A CTENOPHORE, MNEMIOPSIS LEIDYI (A. AGASSIZ),  
IN A FISH NURSERY GROUND  
VIMS THESIS

CTENOPHORES, ECOLOGICAL IMPACT, PLANKTON, SALINITY, YORK RIVER

1971 ANDREWS S  
PLANKTON WATCHING IN THE CHESAPEAKE BAY  
UNDERWATER NATURALIST 7, 17-25

CHESAPEAKE BAY, PLANKTON, PLANKTON NETS

1971 ORTH RJ  
OBSERVATIONS ON THE PLANKTONIC LARVAE OF POLYDORA LIGNI WEBSTER  
(POLYCHAETA, SPIONIDAE) IN THE YORK RIVER, VIRGINIA  
CHES SCI 12, 121-124 (VIMS CONTR 378)

BENTHIC FAUNA, LARVAE, PLANKTON, POLYCHAETES, YORK RIVER

## \*\*\*\*\* PLANKTON NETS

1971 ANDREWS S  
PLANKTON WATCHING IN THE CHESAPEAKE BAY  
UNDERWATER NATURALIST 7, 17-25

CHESAPEAKE BAY, PLANKTON, PLANKTON NETS

\*\*\*\*\* PLANNING

1971 GOODELL HG ET AL  
THE POTENTIAL OF REMOTE SENSING AS A DATA BASE FOR STATE AGENCIES--THE  
VIRGINIA MODEL  
UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA. (NATL TECH INFO SERV NO PB  
200990)

DECISION MAKING, PLANNING, REMOTE SENSING, RESOURCE ALLOCATION,  
STRUCTURAL MODELS, VIRGINIA

\*\*\*\*\* PLANT GROUPINGS

1971 JOHNSON MF  
THE GENERA CARPHEPHORUS, MIKANIA AND KUHNIA (EUPATORIEAE-ASTERACEAE) IN  
VIRGINIA  
VA J SCIENCE 22, 38-41

DISTRIBUTION, PLANT GROUPINGS, PLANTS, THUNDERSTORMS, VIRGINIA

\*\*\*\*\* PLANT PARASITES

1968 AMON JP  
STUDIES OF LABYRINTHULA SPP. IN CULTURE  
VIMS THESIS

AQUATIC MICROORGANISMS, EEL GRASS, PLANT PARASITES, YORK RIVER, MARINE  
FUNGI

\*\*\*\*\* PLANT POPULATIONS

1970 MARSH GA  
SEASONAL STUDY OF ZOSTERA EPIBIOTA IN THE YORK RIVER, VA.  
VIMS DISSERTATION

CHESAPEAKE BAY, EEL GRASS, PLANT POPULATIONS, SEASONAL DISTRIBUTION, YORK  
RIVER

1971 KERWIN JA, PEDIGO RA  
SYNECOLOGY OF A VIRGINIA SALT MARSH  
CHES SCI 12, 125-130 (VIMS CONTR 397)

ECOLOGICAL DISTRIBUTION, MARSH PLANTS, MOBJACK BAY, PLANT POPULATIONS,  
SALT MARSHES

## \*\*\*\*\* PLANTS

1895 WARD LF  
THE POTOMAC FORMATION  
US GEOL SURV 15TH ANN REPT, 313-397

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, PALEONTOLOGY, PLANTS, SULFUR BACTERIA

1939 FERNALD ML  
LAST SURVIVORS IN THE FLORA OF TIDEWATER VIRGINIA  
RHODORA 41, 465-574 (CONTR 128 GRAY HERBARIUM, HARVARD UNIVERSITY)

CLASSIFICATION, HISTORY, JAMES RIVER, PLANTS, VIRGINIA

1938 FERNALD ML  
NOTEWORTHY PLANTS OF SOUTHEASTERN VIRGINIA  
RHODORA 40, 364-485 (CONTR 123 GRAY HERBARIUM, HARVARD UNIVERSITY)

CLASSIFICATION, PLANTS, VIRGINIA

1965 HARVILL AM JR  
THE VEGETATION OF PARRAMORE ISLAND, VIRGINIA  
CASTANEA 30, 226-228 (VIMS CONTR 199)

EASTERN SHORE (VA-MD), PLANTS, VEGETATION, BARRIER ISLANDS

1966 HARVILL AM JR  
RANGE EXTENSIONS ON THE MIDDLE PENINSULA OF VIRGINIA  
VIRGINIA J SCIENCE 17, 143-148

HISTORY, PLANTS, RAPPAHANNOCK RIVER, TREES, YORK RIVER

1971 JOHNSON MF  
THE GENERA CARPHEPHORUS, MIKANIA AND KUHNIA (EUPATORIEAE-ASTERACEAE) IN VIRGINIA  
VA J SCIENCE 22, 38-41

DISTRIBUTION, PLANT GROUPINGS, PLANTS, THUNDERSTORMS, VIRGINIA

## \*\*\*\*\* PLATYHELMINTHES

1969 LAWLER AR  
OCCURRENCE OF THE POLYCLAD CORONADENA MUTABILIS (VERRILL, 1873) IN VIRGINIA  
CHES SCI 10, 65-67 (VIMS CONTR 302)

OYSTERS, PLATYHELMINTHES, RANGES, VIRGINIA

## \*\*\*\*\* PLEISTOCENE EPOCH

1940 SNIFFEN EW  
COBBLES FROM THE PLEISTOCENE TERRACES OF THE LOWER YORK-JAMES PENINSULA  
VA J SCIENCE 1, 285-288

BACK RIVER, VA, PETROLOGY, PLEISTOCENE EPOCH, SHEET EROSION

1942 FLINT RF  
ATLANTIC COASTAL 'TERRACES'  
WASH ACAD SCIENCES J 32, 235-237

ATLANTIC COASTAL PLAIN, JAMES RIVER, PLEISTOCENE EPOCH, SHEET EROSION

1957 HACK JT  
SUBMERGED RIVER SYSTEM OF CHESAPEAKE BAY  
GEOL SOC AMERICA BULL 68, 817-830

BOREHOLE GEOPHYSICS, CHESAPEAKE BAY, PLEISTOCENE EPOCH, SEDIMENTARY PETROLOGY

1962 HARRISON W  
PLEISTOCENE RECORD IN THE SUBSURFACE OF THE NORFOLK AREA, VIRGINIA  
VA ACAD SCIENCE GUIDEBOOK FOR FIELD TRIPS, NORFOLK MEETING-1962, 37-61

BOREHOLE GEOPHYSICS, CHESAPEAKE BAY, JAMES RIVER, MIOCENE EPOCH, PLEISTOCENE EPOCH, SEDIMENTS

1964 OAKS RO JR  
POST-MIOCENE STRATIGRAPHY AND MORPHOLOGY, OUTER COASTAL PLAIN, SOUTHEASTERN VIRGINIA  
YALE DISSERTATION, ALSO US OFF NAVAL RESEARCH GEOG BRANCH, TECH REPT 5, CONTRACT NONR 609(40)

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, GEOMORPHOLOGY, JAMES RIVER, PLEISTOCENE EPOCH, SULFUR BACTERIA

1965 HARRISON W ET AL  
POSSIBLE LATE PLEISTOCENE UPLIFT, CHESAPEAKE BAY ENTRANCE  
J GEOLOGY 73, 201-229

BOREHOLE GEOPHYSICS, CHESAPEAKE BAY, ELIZABETH RIVER, JAMES RIVER, PLEISTOCENE EPOCH, SEDIMENTARY PETROLOGY, THERMAL STRESS, YORK RIVER

1965 COCH NK  
POST-MIOCENE STRATIGRAPHY AND MORPHOLOGY, INNER COASTAL PLAIN SOUTHEASTERN VIRGINIA  
YALE DISSERTATION, ALSO US OFF NAVAL RESEARCH GEOG BRANCH, TECH REPT 6, CONTRACT NONR 609(40)

ATLANTIC COASTAL PLAIN, ELIZABETH RIVER, GEOLOGIC FORMATIONS, GEOMORPHOLOGY, JAMES RIVER, PLEISTOCENE EPOCH, SULFUR BACTERIA

1966 MCLEAN JD JR  
MIOCENE AND PLEISTOCENE FORAMINIFERA AND OSTRACODA OF SOUTHEASTERN  
VIRGINIA  
VA DIV MINERAL RESOURCES REPORT OF INVESTIGATIONS 9

CHESAPEAKE BAY, FORAMINIFERA, JAMES RIVER, MIOCENE EPOCH, OSTRACODS,  
PALEONTOLOGY, PLEISTOCENE EPOCH, SULFUR BACTERIA, YORK RIVER

1966 RICHARDS HG  
PLEISTOCENE PELECYPODA OF VIRGINIA  
VIRGINIA MINERALS 12, 18-24

MOLLUSKS, PALEONTOLOGY, PLEISTOCENE EPOCH, VIRGINIA

1967 RICHARDS HG  
PLEISTOCENE GASTROPODA OF VIRGINIA  
VIRGINIA MINERALS 13, 15-19

GASTROPODS, PALEONTOLOGY, PLEISTOCENE EPOCH, VIRGINIA

1968 WOLMAN MG  
THE CHESAPEAKE BAY--GEOLOGY AND GEOGRAPHY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 7-48

CHESAPEAKE BAY, HISTORY, PLEISTOCENE EPOCH, SEDIMENTATION RATES, THERMAL  
STRESS

1969 SPENCER RS, ROGERS WS  
THE MIOCENE-PLEISTOCENE UNCONFORMITY IN NORFOLK COUNTY, VIRGINIA  
VIRGINIA J SCIENCE 20, 19-21

ELIZABETH RIVER, GEOLOGIC FORMATIONS, MIOCENE EPOCH, PLEISTOCENE EPOCH

\*\*\*\*\* POLLUTION ABATEMENT \*\*\*\*\*

1916  
CITY OF HAMPTON V WATSON  
89 SE 81, 119 VA 95

BEDS UNDER WATER, LEGAL ASPECTS, POLLUTION ABATEMENT, SEWAGE

1918  
DARLING V CITY OF NEWPORT NEWS  
96 SE 307, 123 VA 14

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, POLLUTION  
ABATEMENT, RIPARIAN RIGHTS, SEWAGE

1932  
COMMONWEALTH V CITY OF NEWPORT NEWS  
164 SE 689

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, POLLUTION  
ABATEMENT, RIPARIAN RIGHTS, SEWAGE

1968  
WATERS OF THE STATE, PORTS AND HARBORS  
VA CODE, 1950, TITLE 62.1

BEDS UNDER WATER, EROSION CONTROL, HARBORS, LEGAL ASPECTS, NAVIGABLE  
WATERS, POLLUTION ABATEMENT, RIPARIAN RIGHTS, VIRGINIA, WATER LAW

\*\*\*\*\* POLLUTANTS \*\*\*\*\*

1947 GALTSOFF PS, ET AL  
ECOLOGICAL AND PHYSIOLOGICAL STUDIES OF THE EFFECT OF SULFATE PULP MILL  
WASTES ON OYSTERS IN THE YORK RIVER, VIRGINIA  
SF+WS FISHERY BULLETIN 51, 43

ANIMAL PARASITES, ANIMAL PATHOLOGY, CURRENTS (WATER), OYSTERS,  
PHYTOPLANKTON, PIANKATANK RIVER, POLLUTANTS, PULP WASTES, VIRGINIA, YORK  
RIVER

1970 MUNDAY WG JR ET AL  
OIL SLICK MOTION NEAR CHESAPEAKE BAY ENTRANCE  
WAATER RESOURCES BULL 6(6), 879-884 (VIMS CONTR 357)

CHESAPEAKE BAY, CURRENTS (WATER), OILY WATER, THERMAL CONDUCTIVITY,  
WINDS, POLLUTANTS

1970 CARTER HH, OKUBO A  
LONGITUDINAL DISPERSION IN NON-UNIFORM FLOW  
CHESAPEAKE BAY INSTITUTE TECHNICAL REPORT 68

CURRENTS (WATER), ESTUARIES, PATUXENT RIVER, POLLUTANTS

1970 ANON  
CHESAPEAKE BAY FIGHTS FOR ITS LIFE  
BUSINESS WEEK 2114, 40-44

CRAB INDUSTRY, DREDGING, OYSTER INDUSTRY, POLLUTANTS, POPULATION, SIEVE  
ANALYSIS, WILDLIFE, INDUSTRIAL FISH

1971  
CONTINGENCY PLAN FOR PREVENTION, CONTAINMENT, AND CLEANUP OF OIL AND  
HAZARDOUS MATERIALS FOR THE HAMPTON ROADS AREA  
HAMPTON ROADS MARITIME ASSOCIATION, NORFOLK, VIRGINIA

PLANT MORPHOLOGY, OILY WATER, POLLUTANTS, WATER POLLUTION CONTROL

1971 BIOSPHERICS INCORPORATED  
STUDY OF THE POSSIBLE ROLE OF POLLUTION IN THE PREVALENCE OF SEA NETTLES  
IN THE CHESAPEAKE BAY...  
BIOSPHERICS INC, ROCKVILLE, MARYLAND

CENSUS, METABOLISM, POLLUTANTS, REMOTE SENSING, SEA NETTLES

1971 VIRGINIA POLYTECHNIC INSTITUTE  
WATER RESOURCES RESEARCH IN VIRGINIA--ANNUAL REPORT FOR FISCAL YEAR 1971  
WATER RESOURCES RESEARCH CENTER, BLACKSBURG, VIRGINIA, BULL 46

EUTROPHICATION, MARSHES, MINE WASTES, PESTICIDE REMOVAL, POLLUTANTS,  
RESEARCH AND DEVELOPMENT, VIRGINIA, WASTE WATER TREATMENT, WATER QUALITY

1971 BIOSPHERICS INCORPORATED  
STUDY OF THE POSSIBLE ROLE OF POLLUTION IN THE PREVALENCE OF SEA NETTLES  
IN THE CHESAPEAKE BAY...  
BIOSPHERICS INC, ROCKVILLE, MARYLAND

CENSUS, METABOLISM, POLLUTANTS, REMOTE SENSING, SEA NETTLES

\*\*\*\*\* POLYCHAETES \*\*\*\*\*

1967 WASS ML  
BIOLOGICAL AND PHYSIOLOGICAL BASIS OF INDICATOR ORGANISMS AND  
COMMUNITIES. SECTION II--INDICATORS OF POLLUTION  
POLLUTION AND MAR ECOL, CONF PROC, 271-283 (VIMS CONTR 220)

BENTHIC FAUNA, INDICATORS, OYSTERS, POLYCHAETES, WATER POLLUTION EFFECTS

1969 MANGUM CP  
LOW TEMPERATURE BLOCKAGE OF THE FEEDING RESPONSE IN BOREAL AND TEMPERATE  
ZONE POLYCHAETES  
CHES SCI 10, 64-65

POLYCHAETES, SHAPE, WORMS, YORK RIVER

1971 ORTH RJ  
OBSERVATIONS ON THE PLANKTONIC LARVAE OF POLYDORA LIGNI WEBSTER  
(POLYCHAETA, SPIONIDAE) IN THE YORK RIVER, VIRGINIA  
CHES SCI 12, 121-124 (VIMS CONTR 378)

BENTHIC FAUNA, LARVAE, PLANKTON, POLYCHAETES, YORK RIVER

\*\*\*\*\* POPULATION \*\*\*\*\*

1970 ANON  
CHESAPEAKE BAY FIGHTS FOR ITS LIFE  
BUSINESS WEEK 2114, 40-44

CRAB INDUSTRY, DREDGING, OYSTER INDUSTRY, POLLUTANTS, POPULATION, SIEVE  
ANALYSIS, WILDLIFE, INDUSTRIAL FISH

\*\*\*\*\* POPULATION DYNAMICS \*\*\*\*\*

1960 VIRGINIA UNIVERSITY BUREAU OF POPULATION AND ECONOMIC RESEARCH  
SOCIO-ECONOMIC CHARACTERISTICS OF THE WEST POINT, VIRGINIA, AREA  
CHARLOTTESVILLE, VIRGINIA

ECONOMICS, LOCAL GOVERNMENTS, POPULATION DYNAMICS

1967 NATIONAL PLANNING ASSOCIATION  
SUMMARY, ECONOMIC BASE STUDY, CHESAPEAKE BAY DRAINAGE BASINS  
WASHINGTON, D.C.

CHESAPEAKE BAY, ECONOMIC PREDICTION, POPULATION DYNAMICS

1967 VIRGINIA GOVERNORS OFFICE  
NEWPORT NEWS-HAMPTON METROPOLITAN AREA PROJECTIONS AND ECONOMIC BASE  
ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1967 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
PETERSBURG-HOPEWELL-COLONIAL HEIGHTS METROPOLITAN AREA PROJECTIONS AND  
ECONOMIC BASE ANALYSIS  
RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ECONOMIC DATA SUMMARY--ACCOMACK COUNTY  
RICHMOND, VIRGINIA F2012

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT, POPULATION  
DYNAMICS, VIRGINIA

1968 VIRGINIA GOVERNORS OFFICE  
NORTHERN NECK AREA PROJECTIONS AND ECONOMIC BASE ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VA. F2009

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1967 VIRGINIA DIVISION OF PLANNING AND COMMUNITY AFFAIRS  
NORFOLK-PORTSMOUTH METROPOLITAN AREA PROJECTIONS AND ECONOMIC BASE  
ANALYSIS  
RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1967 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
RICHMOND METROPOLITAN AREA PROJECTIONS AND BASE ANALYSIS  
RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1967 ADMINISTRATIVE RESEARCH ASSOCIATES  
HAMPTON, VIRGINIA WATERFRONT ECONOMIC STUDY  
HAMPTON, VIRGINIA CITY PLANNING COMMISSION

CITY PLANNING, FUTURE PLANNING (PROJECTED), LAND DEVELOPMENT, POPULATION  
DYNAMICS, URBAN RENEWAL

1967 VIRGINIA GOVERNORS OFFICE  
ECONOMIC DATA SUMMARY-CHARLES CITY COUNTY  
DIVISION OF PLANNING, RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ECONOMIC DATA SUMMARY-ACCOMACK COUNTY  
RICHMOND, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT, POPULATION  
DYNAMICS, VIRGINIA

1968 VIRGINIA GOVERNORS OFFICE  
NORTHERN NECK AREA PROJECTIONS AND ECONOMIC BASE ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA GOVERNORS OFFICE  
SURRY COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VIRGINIA

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA GOVERNORS OFFICE  
GLOUCESTER COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
DIVISION OF PLANNING, RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1968 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ECONOMIC DATA SUMMARY-NORTHAMPTON COUNTY  
RICHMOND, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT, POPULATION  
DYNAMICS, VIRGINIA

1969 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
ISLE OF WIGHT COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1969 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
MATHEWS COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
RICHMOND, VA.

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1969 VIRGINIA DIVISION OF STATE PLANNING AND COMMUNITY AFFAIRS  
MATHEWS COUNTY PROJECTIONS AND ECONOMIC BASE ANALYSIS  
RICHMOND, VA. F2010

ECONOMIC PREDICTION, EMPLOYMENT, POPULATION DYNAMICS, VIRGINIA

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 226

AGRICULTURE, ECONOMICS, FINANCIAL ANALYSIS, INDUSTRIES, POPULATION  
DYNAMICS, RECREATION, TRANSPORTATION, YORK RIVER

\*\*\*\*\* POTOMAC RIVER

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1937 UNITED STATES GEOLOGICAL SURVEY  
THE FLOODS OF MARCH 1936. PART 3- POTOMAC, JAMES, AND UPPER OHIO RIVERS  
US GEOL SURV WATER-SUPPLY PAPER 800

FLOODS, FLOODWATER, HISTORIC FLOOD, JAMES RIVER, PEAK DISCHARGE, POTOMAC  
RIVER

1943 MENZEL RW  
THE CATFISH FISHERY OF VIRGINIA  
AMER FISHERIES SOC TRANS 73, 364-372 (VIMS CONTR 23)

CATFISHES, COMMERCIAL FISHING, FINFISH INDUSTRY, FRESHWATER FISH, JAMES  
RIVER, POTOMAC RIVER

1961 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, POTOMAC, RAPPAHANNOCK, AND YORK RIVER  
BASINS 1956-1960  
VIRGINIA DIVISION OF WATER RESOURCES BULL 24

POTOMAC RIVER, RAPPAHANNOCK RIVER, SUN, SUPERIMPOSED DRAINAGE, THEIR  
EQUATION, YORK RIVER



- 1961 HARGIS WJ JR  
RESEARCH ON THE TIDAL POTOMAC  
WATER MANAGEMENT IN THE POTOMAC ESTUARY, 38-44 (VIMS CONTR 107)
- CONSERVATION, ESTUARIES, POTOMAC RIVER, WATER MANAGEMENT (APPLIED)
- 1963 FRISBIE CM, RITCHIE DE JR  
SPORT FISHING SURVEY OF THE LOWER POTOMAC ESTUARY, 1959-1961  
CHES SCI 4, 175-191 (CONTR 250, NAT RESOURCES INST, MD UNIV)
- POTOMAC RIVER, STREAM STABILIZATION
- 1968 MARKS JW, VILLA D, JR  
NUTRIENT DATA ON SEDIMENT SAMPLES OF THE POTOMAC ESTUARY  
CHES TECH SUPPORT LAB DATA REPORT 11
- BOTTOM SEDIMENTS, CHEMICAL ANALYSIS, NUTRIENTS, POTOMAC RIVER, SAMPLING
- 1969 BOUSFIELD EL  
NEW RECORDS OF GAMMARUS (CRUSTACEA&AMPHIPODA) FROM THE MIDDLE ATLANTIC  
REGION  
CHES SCI 10, 1-17
- AMPHIPODA, CHESAPEAKE BAY, DISTRIBUTION PATTERNS, JAMES RIVER, PATUXENT  
RIVER, POTOMAC RIVER, RAPPAHANNOCK RIVER, WATER EQUIVALENT, YORK RIVER
- 1969 WARINNER JE, MILLER JP, DAVIS J  
DISTRIBUTION OF JUVENILE RIVER HERRING IN THE POTOMAC RIVER  
VIMS CONTR 327
- ALEWIVES, BLUEBACK HERRING, DISTRIBUTION, POTOMAC RIVER, SAMPLING
- 1969 WARINNER JE, MILLER JP, DAVIS J  
DISTRIBUTION OF JUVENILE RIVER HERRING IN THE POTOMAC RIVER  
VIMS CONTR 327
- ALEWIVES, BLUEBACK HERRING, DISTRIBUTION, POTOMAC RIVER, SAMPLING
- 1969 HAVEN DS  
LEVELS OF THE HERBICIDE DIQUAT IN TWO ESTUARINE MOLLUSCS AND IN THE WATER  
AND MUD  
VIRGINIA J SCIENCE 20, 51-53 (VIMS CONTR 308)
- DIQUAT, HERBICIDES, OYSTERS, POTOMAC RIVER, SOFT CLAM
- 1970 VIRGINIA MARINE RESOURCES COMMISSION  
DESIGNATION OF NATURAL OYSTER ROCK IN NOMINI AND CURRIOMAN BAY,  
WESTMORELAND COUNTY  
MINUTES OF MEETINGS, 23 JUNE, 28 JULY
- BEDS UNDER WATER, LEGAL ASPECTS, OYSTERS, POTOMAC RIVER

- \*\*\*\*\* POULTRY \*\*\*\*\*
- 1964 DAVIS RV ET AL  
TREATMENT OF DUCK WASTES AND THEIR EFFECTS ON THE WATER QUALITY IN THE  
RAPPAHANNOCK RIVER, URBANNA, VIRGINIA  
VIRGINIA STATE WATER CONTROL BOARD, RICHMOND
- ANIMAL WASTES (WILDLIFE), FARM LAGOONS, FARM WASTES, POULTRY,  
RAPPAHANNOCK RIVER, WASTE TREATMENT
- \*\*\*\*\* PREDATION \*\*\*\*\*
- 1961 MACKENZIE CL JR  
GROWTH AND REPRODUCTION OF THE OYSTER DRILL EUPLEURA CAUDATA IN THE YORK  
RIVER, VIRGINIA  
ECOLOGY 42, 317-338
- LIFE HISTORY STUDIES, OYSTER DRILLS, PREDATION, REPRODUCTION, YORK RIVER
- 1962 HOPKINS SH  
DISTRIBUTION OF SPECIES OF CLIONA (BORING SPONGE) ON THE EASTERN SHORE OF  
VIRGINIA IN RELATION TO SALINITY  
CHES SCI 3, 121-124
- BENTHIC FAUNA, EASTERN SHORE (VA-MD), PREDATION, SALINITY, TURBIDITY
- 1971 OAKES MJ, HAVEN DS  
SOME PREDATORS OF POLYPS OF CHRYSOORA QUINQUECIRRHA (SCYPHOZOA,  
SEMAEOSTOMEAE) IN THE CHESAPEAKE BAY  
VA J SCIENCE 228 45,46 (VIMS CONTR 363)
- CHESAPEAKE BAY, JELLYFISH, MORTALITY, PREDATION, SEA NETTLES, SCYPHOZOA
- \*\*\*\*\* PRIMARY PRODUCTIVITY \*\*\*\*\*
- 1963 FOURNIER RD  
NUTRIENT LIMITATION OF PRIMARY PRODUCTION IN THE YORK RIVER, VA.  
VIMS THESIS
- PHYTOPLANKTON, STRUCTURAL STABILITY, YORK RIVER, PRIMARY PRODUCTIVITY
- 1966 PATTEN BC, CHABOT BF  
FACTORIAL PRODUCTIVITY EXPERIMENTS IN A SHALLOW ESTUARY--CHARACTERISTICS  
OF RESPONSE SURFACES  
CHES SCI 7, 117-136 (VIMS CONTR 224)
- ESTUARIES, PLANKTON, PRIMARY PRODUCTIVITY, RESPIRATION, SAMPLING, YORK  
RIVER

1966 WARINNER JE, BREHMER M  
THE EFFECTS OF THERMAL EFFLUENTS ON MARINE ORGANISMS  
AIR AND WATER POLLUT INT J 10, 277-289 (VIMS CONTR 171)

BENTHIC FAUNA, COOLING WATER, ELECTRIC POWERPLANTS, PHYTOPLANKTON,  
PRIMARY PRODUCTIVITY, SILVERSIDES

1970 FLEMER DA  
PRIMARY PRODUCTION IN THE CHESAPEAKE BAY  
CHES SCI 11, 117-129 (CONTR 417, CHES BIOLOGICAL LAB, NATURAL RESOURCES  
INST, MD UNIV)

CHESAPEAKE BAY, CHLOROPHYLL, PHOTOSYNTHESIS, PRIMARY PRODUCTIVITY

\*\*\*\*\* PRODUCTIVITY \*\*\*\*\*

1961 PATTEN BC, WARINNER JE  
SUMMARY OF DATA FROM PRODUCTIVITY EXPERIMENTS IN THE YORK RIVER, VIRGINIA  
VIMS SPECIAL SCIENTIFIC REPT 22 C1200

CHLOROPHYLL, DATA COLLECTIONS, NUTRIENTS, PRODUCTIVITY, YORK RIVER

1966 PATTEN BC  
THE BIOGENETIC PROCESS IN AN ESTUARINE PHYTOPLANKTON COMMUNITY  
VIMS CONTR 160 C0011

CHLOROPHYLL, DIVERSIFICATION, ECOSYSTEMS, HYDROGRAPHY, LABORATORY TESTS,  
NUTRIENTS, PHYTOPLANKTON, PRODUCTIVITY, SESTON

\*\*\*\*\* PROFILES \*\*\*\*\*

1901 GANNETT H  
PROFILES OF RIVERS IN THE UNITED STATES  
US GEOL SURVEY WATER-SUPPLY AND IRRIGATION PAPERS 44

PROFILES, RIVERS, UNITED STATES

\*\*\*\*\* PROJECT FEASIBILITY \*\*\*\*\*

1962 UNITED STATES ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT  
REVIEW REPORT ON JAMES RIVER, VIRGINIA  
(2 VOLS) NORFOLK, CORPS OF ENGINEERS REPORT

CHANNEL IMPROVEMENT, COST ALLOCATION, ESTIMATED COSTS, JAMES RIVER,  
NAVIGABLE RIVERS, PROJECT FEASIBILITY

1971 UNITED STATES ARMY CORPS OF ENGINEERS  
ENVIRONMENTAL STATEMENT--CHESAPEAKE BAY HYDRAULIC MODEL, MATAPEAKE,  
MARYLAND  
BALTIMORE DISTRICT

CHESAPEAKE BAY, ECOLOGICAL IMPACT, ENVIRONMENTAL EFFECTS, HYDRAULIC  
MODELS, PROJECT FEASIBILITY

\*\*\*\*\* PROJECT PLANNING \*\*\*\*\*

1971 HAMMOND AL  
NSF PRODS SCIENTISTS TO COORDINATE BAY RESEARCH, BUT ACADEMIC RIVALRIES  
SNAG BADLY NEEDED STUDIES  
SCIENCE 172, 827-830

CHESAPEAKE BAY, INTER-AGENCY COOPERATION, MULTIPLE-PURPOSE PROJECTS,  
PROJECT PLANNING, RESEARCH AND DEVELOPMENT, UNIVERSITIES

1971 HARGIS WJ JR  
RESEARCH ON CHESAPEAKE BAY AND CONTIGUOUS WATERS OF THE CHESAPEAKE BIGHT  
OF THE VIRGINIAN SEA  
VIMS SPECIAL SCIENTIFIC REPORT 49

CHESAPEAKE BAY, PROJECT PLANNING, PROJECTS, MULTIPLE-PURPOSE PROJECTS,  
MANAGEMENT

1972 CHESAPEAKE RESEARCH CONSORTIUM, INC.  
THE CHESAPEAKE BAY  
VOLUME I-A PROPOSAL FOR RESEARCH APPLIED TO NATIONAL NEEDS

CHESAPEAKE BAY, FUTURE PLANNING (PROJECTED), MANAGEMENT, PROJECT  
PLANNING, RESOURCE DEVELOPMENT, WETLANDS

\*\*\*\*\* PROJECTS \*\*\*\*\*

1968 WALKER WR  
WATER RESOURCES RESEARCH IN VIRGINIA  
VA POLYTECHNIC INST WATER RESOURCES RESEARCH CENTER BULL 18

PROJECTS, RESEARCH AND DEVELOPMENT, VIRGINIA, WATER RESOURCES DEVELOPMENT

1971 HARGIS WJ JR  
RESEARCH ON CHESAPEAKE BAY AND CONTIGUOUS WATERS OF THE CHESAPEAKE BIGHT  
OF THE VIRGINIAN SEA  
VIMS SPECIAL SCIENTIFIC REPORT 49

CHESAPEAKE BAY, PROJECT PLANNING, PROJECTS, MULTIPLE-PURPOSE PROJECTS,  
MANAGEMENT

1971 PLEASANTS JB  
THE TIDAL JAMES--A REVIEW  
VIMS SPECIAL REPORT 18 IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING

ECONOMIC IMPACT, ECONOMIC PREDICTION, HISTORY, JAMES RIVER, PROJECTS,  
WATER QUALITY CONTROL, WATER RESOURCES DEVELOPMENT

1972 CHESAPEAKE RESEARCH CONSORTIUM, INC.  
THE CHESAPEAKE BAY  
VOLUME 3--BAY RELATED RESEARCH PROGRESS REPORTS

CHESAPEAKE BAY, MANAGEMENT, RESEARCH AND DEVELOPMENT, PROJECTS

1972 CHESAPEAKE RESEARCH CONSORTIUM, INC.  
THE CHESAPEAKE BAY  
VOLUME 3--B Y RELATED RESEARCH PROGRESS REPORTS

CHESAPEAKE BAY, MANAGEMENT, RESEARCH AND DEVELOPMENT, PROJECTS

\*\*\*\*\* PROTEINS

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1972 LYNCH MP  
VARIATIONS IN SOME SERUM CONSTITUENTS OF THE BLUE CRAB CALLINectes  
SAPIIDUS  
VIMS DISSERTATION

AMINO ACIDS, BIOCHEMISTRY, BIOINDICATORS, CARBOHYDRATES, CHLORIDES,  
CRABS, OSMOTIC PRESSURE, PROTEINS

\*\*\*\*\* PROTOZOA

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1957 FENG SY  
ECOLOGICAL AND EPIDEMIOLOGICAL STUDIES OF NEMATOPSIS OSTREARUM, A  
SPOROZOAN PARASITE OF THE OYSTER...IN LOWER CHESAPEAKE BAY AND ITS  
TRIBUTARIES  
VIMS THESIS

CHESAPEAKE BAY, OYSTERS, PARASITISM, ANIMAL PARASITES, PROTOZOA

1958 ACADEMY OF NATURAL SCIENCES, PHILADELPHIA. DEPARTMENT OF LIMNOLOGY  
JAMES RIVER, VIRGINIA--BIOLOGICAL, CHEMICAL, AND HYDROGRAPHIC STUDIES FOR  
THE DOW CHEMICAL COMPANY  
(MIMED REPORT BY THE ACADEMY)

AUSORPTION, ALGAE, BENTHIC FAUNA, BIOASSAY, EFFLUENTS, HEAVY METALS,  
HYDROLOGIC DATA, JAMES RIVER, OYSTERS, PROTOZOA

1958 FENG SY  
OBSERVATIONS ON DISTRIBUTION AND ELIMINATION OF SPORES OF NEMATOPSIS  
OSTREARUM IN OYSTERS  
NATL SHELLFISH ASSOC PROC 48, 162-173 (VIMS CONTR 88)

OYSTERS, PARASITISM, HISTOLOGICAL INVESTIGATIONS, STREAM GAGES, PROTOZOA,  
ANIMAL PARASITES

1964 KENK VC  
A NEW CRAB HOST OF THE GREGARINE NEMATOPSIS OSTREARUM  
NATL SHELLFISH ASSOC PROC 55, 87-88 (VIMS CONTR 206)

CRABS, OYSTERS, PARASITISM, PROTOZOA

1966 ANDREWS JD  
OYSTER MORTALITY STUDIES IN VIRGINIA. 5. EPIZOOTIOLOGY OF MSX, A  
PROTISTAN PATHOGEN OF OYSTERS  
ECOLOGY 47, 19-31 (VIMS CONTR 193)

JAMES RIVER, MSX, OYSTERS, PROTOZOA, VIRGINIA

1967 ANDREWS JD  
OYSTER MORTALITY STUDIES IN VIRGINIA. 6. HISTORY AND DISTRIBUTION OF  
MINCHINIA NELSONI, A PATHOGEN OF OYSTERS, IN VIRGINIA  
CHESAPEAKE SCIENCE 8, 1-13 (VIMS CONTR 225)

JAMES RIVER, MSX, OYSTERS, ANIMAL PATHOLOGY, MORTALITY, DISTRIBUTION  
PATTERNS, PROTOZOA

1969 MOENS PB, PERKINS FC  
CHROMOSOME NUMBER OF A SMALL PROTIST--ACCURATE DETERMINATION  
SCIENCE 166, 1289-1291 (VIMS CONTR 310)

CHROMOSOMES, PROTOZOA

\*\*\*\*\* PROVENANCE

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1939 STGW MH  
REFLECTION OF PROVENANCE IN HEAVY MINERALS OF JAMES RIVER, VIRGINIA  
J SEDIMENTARY PETROLOGY 9, 86-91

JAMES RIVER, MINERALOGY, PROVENANCE, SEDIMENTARY PETROLOGY

\*\*\*\*\* PUBLIC LANDS

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1894 BAYLOR JB  
SURVEY OF OYSTER GROUND BAYLOR SURVEY  
VA FISHERIES COMMISSION

BEDS UNDER WATER, OYSTER INDUSTRY, PUBLIC LANDS, VIRGINIA

1931 EMBREY AT  
WATERS OF THE STATE  
RICHMOND, OLD DOMINION PRESS

BEDS UNDER WATER, LEGAL ASPECTS, NAVIGABLE WATERS, PUBLIC LANDS, RIPARIAN  
RIGHTS, SOCIAL VALUES, VIRGINIA

1932  
MILLER V COMMONWEALTH  
166 SE 557, 159 VA 924

JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, PUBLIC LANDS, RIPARIAN  
RIGHTS, SOCIAL VALUES

1951 VIRGINIA ADVISORY LEGISLATIVE COUNCIL  
THE SEAFOOD STATUTES AND THE REHABILITATION OF THE SEAFOOD INDUSTRY  
RICHMOND, REPORT OF THE COUNCIL

BEDS UNDER WATER, JAMES RIVER, LEASES, LEGAL ASPECTS, OYSTER INDUSTRY,  
PUBLIC LANDS

1964 CHRISTY FT  
THE EXPLOITATION OF A COMMON PROPERTY RESOURCE--THE MARYLAND OYSTER  
INDUSTRY  
UNIVERSITY OF MICHIGAN DISSERTATION

CHESAPEAKE BAY, ECONOMICS, MANAGEMENT, MARYLAND, OYSTER INDUSTRY,  
OYSTERS, PUBLIC LANDS, RESOURCE DEVELOPMENT, VIRGINIA

1969  
TAX ON OYSTERS TAKEN FROM PUBLIC ROCKS-- REPORTS OF OYSTERS TAKEN FROM  
SEED AREA OF JAMES RIVER  
VA CODE, 1950, 28.1-93

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, PUBLIC  
LANDS

1969  
LEASING OF CERTAIN BOTTOMS IN JAMES RIVER PROHIBITED  
VA CODE, 1950, 28.1-145

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, PUBLIC  
LANDS

1969  
DREDGING FOR OYSTERS IN JAMES RIVER  
VA CODE, 1950, 28.1-146

BEDS UNDER WATER, DREDGING, JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY,  
PUBLIC LANDS

1970  
SEASON FOR TAKING OYSTERS FROM PUBLIC ROCK  
VA CODE, 1950, 28.1-82

BEDS UNDER WATER, CHESAPEAKE BAY, EASTERN SHORE (VA-MD), JAMES RIVER,  
LEGAL ASPECTS, OYSTER INDUSTRY, PUBLIC LANDS, VIRGINIA

\*\*\*\*\* PULP AND PAPER INDUSTRY \*\*\*\*\*

1950 MCGAUHEY PH  
ENGINEERING  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
637-651

DAMS, ENGINEERING, HYDROELECTRIC PLANTS, INDUSTRIAL WATER, JAMES RIVER,  
NAVIGATION, PULP AND PAPER INDUSTRY

1968 DILL AT  
CHESAPEAKE--PIONEER PAPERMAKER--A HISTORY OF THE COMPANY AND ITS  
COMMUNITY  
UNIVERSITY PRESS OF VIRGINIA, CHARLOTTESVILLE, VIRGINIA

HISTORY, PULP AND PAPER INDUSTRY, YORK RIVER

\*\*\*\*\* PULP WASTES \*\*\*\*\*

1947 GALTSOFF PS, ET AL  
ECOLOGICAL AND PHYSIOLOGICAL STUDIES OF THE EFFECT OF SULFATE PULP MILL  
WASTES ON OYSTERS IN THE YORK RIVER, VIRGINIA  
SF+WS FISHERY BULLETIN 51, 43

ANIMAL PARASITES, ANIMAL PATHOLOGY, CURRENTS (WATER), OYSTERS,  
PHYTOPLANKTON, PIANKATANK RIVER, POLLUTANTS, PULP WASTES, VIRGINIA, YORK  
RIVER

1948 RICH LG  
INVESTIGATION OF THE PHYSICAL, CHEMICAL, AND BIOLOGICAL ASPECTS OF STREAM  
POLLUTION IN THE JAMES RIVER AT BIG ISLAND, VA  
VPI THESIS

BENTHOS, CHEMICAL ANALYSIS, JAMES RIVER, PLANKTON, PULP WASTES, WATER  
POLLUTION

1969 SOUTH WD  
INVESTIGATION OF THE EFFECT OF MILL WASTE ON WATER QUALITY IN THE  
PAMUNKEY AND YORK RIVERS  
THE CHESAPEAKE CORP OF VIRGINIA, WEST POINT, VIRGINIA

DIURNAL, INDUSTRIAL WASTES, PULP WASTES, WASTE ASSIMILATIVE CAPACITY,  
WATER QUALITY CONTROL, YORK RIVER

\*\*\*\*\* RADIOACTIVE DATING \*\*\*\*\*

1971 SINGH JJ ET AL  
RADIOACTIVITY OF WHALE VERTEBRA FOSSILS FOUND IN CHESAPEAKE BAY AREA  
VIRGINIA J SCIENCE 22, 123

RADIOACTIVE DATING, RADIOACTIVITY

\*\*\*\*\* RADIOACTIVITY \*\*\*\*\*

1971 SINGH JJ ET AL  
RADIOACTIVITY OF WHALE VERTEBRA FOSSILS FOUND IN CHESAPEAKE BAY AREA  
VIRGINIA J SCIENCE 22, 123

RADIOACTIVE DATING, RADIOACTIVITY

## \*\*\*\*\* RAINFALL

1938 MCGAUHEY PH  
HYDROLOGY OF VIRGINIA. PT 1-ANNUAL RAINFALL AND STREAM FLOW STUDIES WITH  
AN INTRODUCTION TO STATISTICAL METHODS OF ANALYSIS  
VA POLYTECHNIC INST BULL 31(6)

HYDROLOGIC DATA, RAINFALL, STRUCTURAL STABILITY, SUPERIMPOSED DRAINAGE,  
VIRGINIA

1940 MCGAUHEY PH, SNYDER HS, JR  
HYDROLOGY OF VIRGINIA. PT 2-FLOOD STUDIES, STORMS THAT HAVE CAUSED GREAT  
FLOODS, GREAT RAINFALLS  
VA POLYTECHNIC INSTITUTE BULL 33(10)

FLOODS, HYDROLOGIC DATA, RAINFALL, SULFATES, VIRGINIA

## \*\*\*\*\* RANGES

1969 LAWLER AR  
OCCURRENCE OF THE POLYCLAD CORONADENA MUTABILIS (VERRILL, 1873) IN  
VIRGINIA  
CHES SCI 10, 65-67 (VIMS CONTR 302)

OYSTERS, PLATYHELMINTHES, RANGES, VIRGINIA

## \*\*\*\*\* RAPPAHANNOCK RIVER

1951 WHARTON J  
THE RAPPAHANNOCK  
VIRGINIA WILDLIFE 12(5), 19-20,24

HISTORY, RAPPAHANNOCK RIVER

1952 MASSMANN WH  
A PRELIMINARY STUDY OF SHAD, ALOSA SAPIDISSIMA (WILSON) SPANNING IN SOME  
VIRGINIA RIVERS  
(VIMS THESIS)

ALOSIDS, AMERICAN SHAD, JAMES RIVER, MATTAPONI RIVER, PAMUNKEY RIVER,  
RAPPAHANNOCK RIVER, STOCKING

1952 MASSMANN WH ET AL  
A BIOLOGICAL SURVEY OF THE RAPPAHANNOCK RIVER, VA.  
VIMS SPEC SCIENTIFIC REPT 6

CHESAPEAKE BAY, COMMERCIAL FISHING, EFFLUENTS, FISHERIES, RAPPAHANNOCK  
RIVER, STREAM STABILIZATION

1956 MCHUGH JL, ANDREWS JD  
PRESENT STATUS OF THE RAPPAHANNOCK RIVER FOR OYSTER CULTURE  
VIMS SPEC SCIENTIFIC REPT 14

CHESAPEAKE BAY, OYSTER INDUSTRY, RAPPAHANNOCK RIVER

1958 LADD EC  
COMPARATIVE STUDY OF MERISTIC VARIATION IN THE AMERICAN EEL (ANGUILLA  
ROSTRATA) AND ATLANTIC ANCHOVY (ANCHOA MITCHILLI)  
VIMS THESIS

FISH PHYSIOLOGY, FISH POPULATIONS, JAMES RIVER, RAPPAHANNOCK RIVER,  
VARIABILITY, YORK RIVER

1961 MASSMANN WH, PACHECO AL  
MOVEMENTS OF STRIPED BASS TAGGED IN VIRGINIA WATERS OF CHESAPEAKE BAY  
CHESAPEAKE SCIENCE 2, 37-44 (VIMS CONTR 97)

FISH MIGRATION, JAMES RIVER, RAPPAHANNOCK RIVER, SURFACE TENSION, YORK  
RIVER

1961 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, POTOMAC, RAPPAHANNOCK, AND YORK RIVER  
BASINS 1956-1960  
VIRGINIA DIVISION OF WATER RESOURCES BULL 24

POTOMAC RIVER, RAPPAHANNOCK RIVER, SUN, SUPERIMPOSED DRAINAGE, THIS  
EQUATION, YORK RIVER

1962 PATTEN BC  
SYNOPTIC COMPARISON OF SESTON LOADS IN THE RAPPAHANNOCK, YORK AND JAMES  
RIVERS  
(VIMS MS)

CHEMICAL ANALYSIS, JAMES RIVER, RAPPAHANNOCK RIVER, SESTON, YORK RIVER

1964 DAVIS RV ET AL  
TREATMENT OF DUCK WASTES AND THEIR EFFECTS ON THE WATER QUALITY IN THE  
RAPPAHANNOCK RIVER, URBANNA, VIRGINIA  
VIRGINIA STATE WATER CONTROL BOARD, RICHMOND

ANIMAL WASTES (WILDLIFE), FARM LAGOONS, FARM WASTES, POULTRY,  
RAPPAHANNOCK RIVER, WASTE TREATMENT

1965 CARTER R  
THE RAPPAHANNOCK ABOVE TIDEWATER  
VIRGINIA WILDLIFE 26(6), 17-19

RAPPAHANNOCK RIVER, RIVERS, VIRGINIA

1965 ELLISON R ET AL  
DISTRIBUTION OF RECENT FORAMINIFERA IN THE RAPPAHANNOCK RIVER ESTUARY  
VIMS SPECIAL SCIENTIFIC REPT 47

DATA COLLECTIONS, DISTRIBUTION, ESTUARIES, FORAMINIFERA, RAPPAHANNOCK RIVER, SEDIMENTS

1966 ELLIOTT HA  
DISTRIBUTION OF RECENT OSTRACODA IN THE RAPPAHANNOCK ESTUARY, VIRGINIA  
CHES SCI 7, 203-207 (VIMS CONTR 236)

BRACKISH WATER, NUTRIENTS, OSTRACODS, RAPPAHANNOCK RIVER, SALINITY, WATER CIRCULATION

1966 HARVILL AM JR  
RANGE EXTENSIONS ON THE MIDDLE PENINSULA OF VIRGINIA  
VIRGINIA J SCIENCE 17, 143-148

HISTORY, PLANTS, RAPPAHANNOCK RIVER, TREES, YORK RIVER

1967 FEELEY JB  
THE DISTRIBUTION AND ECOLOGY OF THE GAMMARIDEA (CRUSTACEA- AMPHIPODA) OF THE LOWER CHESAPEAKE ESTUARIES  
(VIMS THESIS)

AMPHIPODA, ECOLOGICAL DISTRIBUTION, JAMES RIVER, RAPPAHANNOCK RIVER, SALINITY, YORK RIVER

1967-GRANT GC  
ANADROMOUS FISH PROJECT, ESTIMATION OF PARAMETERS OF STRIPED BASS POPULATIONS AND DESCRIPTION OF THE FISHERY OF LOWER CHESAPEAKE BAY  
UNPUBL PROG REPTS, VIMS, 1967--

ANADROMOUS FISH, JAMES RIVER, RAPPAHANNOCK RIVER, SURFACE TENSION, YORK RIVER

1967 NICHOLS MM, POOR G  
SEDIMENT TRANSPORT IN A COASTAL PLAIN ESTUARY  
AMER SOC CIVIL ENGRS 93(WW4), 83-95 (VIMS CONTR 231)

RAPPAHANNOCK RIVER, SEDIMENT TRANSPORT

1968 BEAL KL  
AGE AND GROWTH OF THE BLUEBACK HERRING ALOSA AESTIVALIS (MITCHILL)  
VIMS THESIS

ALOSIDS, BLUEBACK HERRING, GROWTH RATES, RAPPAHANNOCK RIVER, STOKES LAW

1968 GRANT GC, JOSEPH EB  
COMPARATIVE STRENGTH OF THE 1966 YEAR CLASS OF STRIPED BASS...IN THREE VIRGINIA RIVERS  
VIMS CONTR 290

CATCH, JAMES RIVER, RAPPAHANNOCK RIVER, SURFACE TENSION, YORK RIVER

1968 BOON JD III, MACINTYRE WG  
THE BORON-SALINITY RELATIONSHIP IN ESTUARINE SEDIMENTS OF THE RAPPAHANNOCK RIVER, VIRGINIA  
CHES SCI 9, 21-26 (VIMS CONTR 265)

BORON, CHEMICAL ANALYSIS, ESTUARIES, RAPPAHANNOCK RIVER, SALINITY, SEDIMENTS

1969 BOUSFIELD EL  
NEW RECORDS OF GAMMARUS (CRUSTACEA-CAMPHIPODA) FROM THE MIDDLE ATLANTIC REGION  
CHES SCI 10, 1-17

AMPHIPODA, CHESAPEAKE BAY, DISTRIBUTION PATTERNS, JAMES RIVER, PATUXENT RIVER, POTOMAC RIVER, RAPPAHANNOCK RIVER, WATER EQUIVALENT, YORK RIVER

1969  
EXEMPTED WATERS (CULLING LAW)  
VA CODE, 1950, 28.1-126

EASTERN SHORE (VA-MD), JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, RAPPAHANNOCK RIVER

1969  
PROHIBITED AREA FOR PATENT TONGS  
VA CODE, 1950, 28.1-83

CORROTOMAN RIVER, FISHING GEAR, JAMES RIVER, LEGAL ASPECTS, MOBJACK BAY, PIANKATANK RIVER, RAPPAHANNOCK RIVER

1970  
STATE REVENUE BOND ACT (FINANCING TOLL FACILITIES)  
VA CODE, 1950, 33.1-268 TO 33.1-295

BRIDGES, JAMES RIVER, LEGAL ASPECTS, RAPPAHANNOCK RIVER, YORK RIVER

1970 BREHMER ML  
BIOLOGICAL AND CHEMICAL STUDY OF VIRGINIA'S ESTUARIES  
(VIMS MS)

BIOLOGICAL COMMUNITIES, CHEMICAL ANALYSIS, HYDROLOGIC DATA, JAMES RIVER, RAPPAHANNOCK RIVER, RIVER SYSTEMS, YORK RIVER

343

1970 UNITED STATES ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT  
FLOOD PLAIN INFORMATION, RAPPAHANNOCK RIVER, FREDERICKSBURG, SPOTSYLVANIA  
AND STAFFORD COUNTIES, VIRGINIA  
UNNUMBERED REPT

DAMS, DESIGN FLOOD, FLOOD CONTROL, FLOOD PLAINS, RAPPAHANNOCK RIVER,  
REGIONAL FLOOD

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DREDGING OF CHANNEL IN BUSHY PARK CREEK (RAPPAHANNOCK RIVER)  
MINUTES OF MEETINGS, 27 JANUARY, 23 JULY

DREDGING, RAPPAHANNOCK RIVER, RIPARIAN RIGHTS

1970 ELLISON RL, NICHOLS MM  
ESTUARINE FORAMINIFERA FROM THE RAPPAHANNOCK RIVER, VIRGINIA  
VIMS CONTR 244

RENTHIC FAUNA, FORAMINIFERA, RAPPAHANNOCK RIVER

1970 VIRGINIA DIVISION OF WATER RESOURCES  
RAPPAHANNOCK RIVER BASIN, COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 219

AGRICULTURE, ECONOMICS, LONG-TERM PLANNING, RAPPAHANNOCK RIVER,  
RECREATION, RIVER BASINS, THERMAL CONDUCTIVITY, WATER RESOURCES  
DEVELOPMENT

1970 GRANT GC ET AL  
AGE COMPOSITION AND MAGNITUDE OF STRIPED BASS WINTER GILL-NET CATCHES IN  
THE RAPPAHANNOCK RIVER, 1967-1970  
SE ASSOC GAME FISH COMM, 24TH CONF PROC, 659-667 (VIMS CONTR 399)

CATCH, COMMERCIAL FISHING, RAPPAHANNOCK RIVER, SURFACE TENSION

1971 NATIONAL PARK SERVICE  
SALEM CHURCH PROJECT, RAPPAHANNOCK RIVER, VIRGINIA--RECREATION APPENDIX  
US DEPARTMENT OF THE INTERIOR, BUREAU OF OUTDOOR RECREATION

FLOOD CONTROL, HYDROELECTRIC POWER, RAPPAHANNOCK RIVER, RECREATION,  
CONTROL STRUCTURES

1971 UNITED STATES DEPARTMENT OF THE INTERIOR  
A RE-EVALUATION OF THE POWER, WATER SUPPLY, WATER QUALITY,  
RECREATION...OF THE AUTHORIZED SALEM CHURCH RESERVOIR PROJECT  
BUREAU OF OUTDOOR RECREATION

ELECTRIC POWER DEMAND, GROUNDWATER, RAPPAHANNOCK RIVER, RECREATION  
DEMAND, WILDLIFE CONSERVATION

344

1971 FEELEY JB, WASS ML  
THE DISTRIBUTION AND ECOLOGY OF THE GAMMARIDEA (CRUSTACEA& AMPHIPODA) OF  
THE LOWER CHESAPEAKE ESTUARIES  
IMS SPEC PAPERS IN MAR SCI 2

AMPHIPODA, CHESAPEAKE BAY, DISTRIBUTION PATTERNS, JAMES RIVER, PAMUNKEY  
RIVER, RAPPAHANNOCK RIVER, YORK RIVER

1971 KERBY JH ET AL  
OCCURRENCE AND GROWTH OF STRIPED BASS-WHITE BASS HYBRIDS IN THE  
RAPPAHANNOCK RIVER, VIRGINIA  
TRANS AMER FISH SOC 100, 787-790 (VIMS CONTR 370)

RAPPAHANNOCK RIVER, SURFACE TENSION, HYBRID, WHITE BASS

\*\*\*\*\* RECREATION

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1950 VIRGINIA ACADEMY OF SCIENCE, JAMES RIVER PROJECT COMMITTEE  
JAMES RIVER BASIN, PAST, PRESENT AND FUTURE  
RICHMOND, VA ACAD SCIENCE

ANIMAL POPULATIONS, CONSERVATION, ECOLOGY, GEOLOGIC INVESTIGATIONS,  
HISTORY, JAMES RIVER, RECREATION, RIVER BASIN DEVELOPMENT, TRANSPORTATION

1963 BOWDEN EV  
DEVELOPMENT OPPORTUNITIES FOR VIRGINIA'S EASTERN SHORE  
OLD DOMINION COLLEGE, NORFOLK, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT OPPORTUNITIES,  
GEOGRAPHICAL REGIONS, INDUSTRIAL PRODUCTION, RECREATION, TOURISM

1970 VIRGINIA DIVISION OF WATER RESOURCES  
JAMES RIVER BASIN COMPREHENSIVE WATER RESOURCES PLAN. VOL 2-ECONOMIC BASE  
STUDY  
RICHMOND (ITS PLANNING BULLETIN 214)

AGRICULTURE, ECONOMIC PREDICTION, HUMAN POPULATION, JAMES RIVER,  
RECREATION, SALINITY, WATER RESOURCES DEVELOPMENT

1970 VIRGINIA COMMISSION OF OUTDOOR RECREATION  
VIRGINIA'S SCENIC RIVERS  
REPRINTED FROM THE VIRGINIA OUTDOORS PLAN, 1969, VIRGINIA'S COMPREHENSIVE  
PLAN FOR OUTDOOR RECREATION

RECREATION, RIVERS, SCENIC EASEMENTS, VIRGINIA

1970 VIRGINIA DIVISION OF WATER RESOURCES  
RAPPAHANNOCK RIVER BASIN, COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 219

AGRICULTURE, ECONOMICS, LONG-TERM PLANNING, RAPPAHANNOCK RIVER,  
RECREATION, RIVER BASINS, THERMAL CONDUCTIVITY, WATER RESOURCES  
DEVELOPMENT

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 225

AGRICULTURE, ECONOMICS, ELECTRIC POWER PRODUCTION, FUTURE PLANNING  
(PROJECTED), GEOLOGY, GROUNDWATER, MINERALOGY, RECREATION, THERMAL  
CONDUCTIVITY, YORK RIVER

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 226

AGRICULTURE, ECONOMICS, FINANCIAL ANALYSIS, INDUSTRIES, POPULATION  
DYNAMICS, RECREATION, TRANSPORTATION, YORK RIVER

1971 NATIONAL PARK SERVICE  
SALEM CHURCH PROJECT, RAPPAHANNOCK RIVER, VIRGINIA--RECREATION APPENDIX  
US DEPARTMENT OF THE INTERIOR, BUREAU OF OUTDOOR RECREATION

FLOOD CONTROL, HYDROELECTRIC POWER, RAPPAHANNOCK RIVER, RECREATION,  
CONTROL STRUCTURES

1971 BERGOFFEN B (ED)  
CITIZENS PROGRAM FOR THE CHESAPEAKE BAY  
CONFERENCE REPORT, SEPT 16-18, UNIV OF MARYLAND, COLLEGE PARK, MD

BOATING, CHESAPEAKE BAY, COMMERCIAL FISHING, INDUSTRIAL WASTES, LONG-TERM  
PLANNING, RECREATION, TRANSPORTATION

\*\*\*\*\* RECREATION DEMAND \*\*\*\*\*

1968 ELLIS SP  
DEVELOPMENT OF THE CHESAPEAKE BAY SHORELINE AND ISLANDS FOR RECREATION  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 109-113

BOATING, CHESAPEAKE BAY, ISLANDS, PARKS, RECREATION DEMAND, RECREATION  
FACILITIES

1971 UNITED STATES DEPARTMENT OF THE INTERIOR  
A RE-EVALUATION OF THE POWER, WATER SUPPLY, WATER QUALITY,  
RECREATION...OF THE AUTHORIZED SALEM CHURCH RESERVOIR PROJECT  
BUREAU OF OUTDOOR RECREATION

ELECTRIC POWER DEMAND, GROUNDWATER, RAPPAHANNOCK RIVER, RECREATION  
DEMAND, WILDLIFE CONSERVATION

\*\*\*\*\* RECREATION FACILITIES \*\*\*\*\*

1968 ELLIS SP  
DEVELOPMENT OF THE CHESAPEAKE BAY SHORELINE AND ISLANDS FOR RECREATION  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 109-113

BOATING, CHESAPEAKE BAY, ISLANDS, PARKS, RECREATION DEMAND, RECREATION  
FACILITIES

1970 VIRGINIA MARINE RESOURCES COMMISSION  
EXTENSION OF FENCES BELOW MEAN LOW WATER, OCEANVIEW, NORFOLK, VIRGINIA  
MINUTES OF MEETINGS, 28 APRIL, 23 JULY

BEACHES, CHESAPEAKE BAY, RECREATION FACILITIES, RIPARIAN RIGHTS

1971 UNITED STATES ARMY CORPS OF ENGINEERS  
FINAL ENVIRONMENTAL STATEMENT, TASKINAS CREEK, JAMES CITY COUNTY,  
VIRGINIA  
NORFOLK DISTRICT

DREDGING, ENVIRONMENTAL EFFECTS, RECREATION FACILITIES, YORK RIVER

\*\*\*\*\* REGIONAL FLOOD \*\*\*\*\*

1970 UNITED STATES ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT  
FLOOD PLAIN INFORMATION, RAPPAHANNOCK RIVER, FREDERICKSBURG, SPOTSYLVANIA  
AND STAFFORD COUNTIES, VIRGINIA  
UNNUMBERED REPT

DAMS, DESIGN FLOOD, FLOOD CONTROL, FLOOD PLAINS, RAPPAHANNOCK RIVER,  
REGIONAL FLOOD

\*\*\*\*\* REMOTE SENSING \*\*\*\*\*

1971 BIOSPHERICS INCORPORATED  
STUDY OF THE POSSIBLE ROLE OF POLLUTION IN THE PREVALENCE OF SEA NETTLES  
IN THE CHESAPEAKE BAY...  
BIOSPHERICS INC, ROCKVILLE, MARYLAND

CENSUS, METABOLISM, POLLUTANTS, REMOTE SENSING, SEA NETTLES

1971 GOODELL HG ET AL  
THE POTENTIAL OF REMOTE SENSING AS A DATA BASE FOR STATE AGENCIES--THE  
VIRGINIA MODEL  
UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA. (NATL TECH INFO SERV NO PB  
200990)

DECISION MAKING, PLANNING, REMOTE SENSING, RESOURCE ALLOCATION,  
STRUCTURAL MODELS, VIRGINIA



1971 BIOSPHERICS INCORPORATED  
STUDY OF THE POSSIBLE ROLE OF POLLUTION IN THE PREVALENCE OF SEA NETTLES  
IN THE CHESAPEAKE BAY...  
BIOSPHERICS INC, ROCKVILLE, MARYLAND

CENSUS, METABOLISM, POLLUTANTS, REMOTE SENSING, SEA NETTLES

\*\*\*\*\* REPRODUCTION

1919 CHURCHILL EP JR  
LIFE HISTORY OF THE BLUE CRAB  
US BUR FISH BULL (1917-1918) 36, 91-128

CRABS, GROWTH STAGES, LIFE HISTORY STUDIES, REPRODUCTION

1958 VAN ENGEL WA  
THE BLUE CRAB AND ITS FISHERY IN CHESAPEAKE BAY  
COMM FISH REVIEW 20(6),6-17 (VIMS CONTR 79)

CRABS, LARVAL GROWTH STAGE, MIGRATION, REPRODUCTION

1961 MOORE RB  
MORPHOLOGY AND HISTOLOGY OF THE REPRODUCTIVE ORGANS OF UROSALPINX CINEREA  
AND EUPLEURA CAUDATA  
VIMS THESIS

ANIMAL PHYSIOLOGY, OYSTER DRILLS, REPRODUCTION, HISTOLOGICAL INVESTIGATION  
S, MORPHOLOGY

1961 MACKENZIE CL JR  
GROWTH AND REPRODUCTION OF THE OYSTER DRILL EUPLEURA CAUDATA IN THE YORK  
RIVER, VIRGINIA  
ECOLOGY 42, 317-338

LIFE HISTORY STUDIES, OYSTER DRILLS, PREDATION, REPRODUCTION, YORK RIVER

1961 HARGIS WJ JR, MACKENZIE CL JR  
SEXUAL BEHAVIOR OF THE OYSTER DRILLS--EUPLEURA CAUDATA AND UROSALPINX  
CINEREA  
NAUTILUS 75, 7-16 (VIMS CONTR 100)

GASTROPODS, OYSTER DRILLS, REPRODUCTION, ANIMAL PARASITES

1963 HOFFMAN RA  
GONADS, SPERMATIC DUCTS, AND SPERMATOGENESIS IN THE REPRODUCTIVE SYSTEM  
OF MALE TOADFISH...  
CHES SCI 4, 21-29 (CONTR 225, NAT RES INST, MD UNIV)

BENTHIC FAUNA, BREEDING, CHESAPEAKE BAY, MARINE FISH, REPRODUCTION

1963 HOFFMAN RA  
ACCESSORY GLANDS AND THEIR DUCTS IN THE REPRODUCTIVE SYSTEM OF THE MALE  
TOADFISH...  
CHES SCI 4, 30-37

BENTHIC FAUNA, CHESAPEAKE BAY, MARINE FISH, REPRODUCTION

1965 ZANEVELD JS, BARNES WD  
REPRODUCTIVE PERIODICITIES OF SOME BENTHIC ALGAE IN LOWER CHESAPEAKE BAY  
CHES SCI 6, 17-32

ALGAE, BENTHIC FLORA, CHESAPEAKE BAY, REPRODUCTION

1965 DAVIS CC  
A STUDY OF THE HATCHING PROCESS IN AQUATIC INVERTEBRATES XX THE BLUE  
CRAB CALLINECTES SAPIDUS RATHBUN XXI THE NEMERTEAN CARCINONEMERTES  
CARCINOPHILA (KOELLIKER)  
CHES SCI 6(4), 201-208

CONTROL STRUCTURES, HATCHING, JAMES RIVER, NEMERTEANS, REPRODUCTION, YORK  
RIVER, VIRGINIA

1969 CONES HN JR  
STROBILATION OF CHRYSADRA QUINQUECIRRHA POLYPS IN THE LABORATORY  
VA J SCIENCE 20, 16-18 (VIMS CONTR 297)

JELLYFISH, REPRODUCTION, SEA NETTLES, YORK RIVER, GROWTH STAGES,  
SCYPHOZOA

\*\*\*\*\* REPTILES

1950 CARROLL RP  
AMPHIBIA AND REPTILES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
195-211

AMPHIBIANS, CLASSIFICATION, FROGS, JAMES RIVER, REPTILES, SALAMANDERS,  
SOIL STERILANTS, TURTLES

\*\*\*\*\* RESEARCH AND DEVELOPMENT

1948 MARSHALL N  
REPORT ON PAST AND CURRENT FISHERIES RESEARCH ACTIVITIES DIRECTLY  
RELATING TO VIRGINIA  
VIMS SPEC SCIENTIFIC REPT 3

ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, FISHERIES, RESEARCH AND  
DEVELOPMENT

1968 HUNTER JH  
RESEARCH AND DEVELOPMENT FACILITIES AND PERSONNEL--VIRGINIA, 1968  
VIRGINIA GOVERNORS OFFICE, DIVISION OF INDUSTRIAL DEVELOPMENT, RICHMOND,  
VIRGINIA

EMPLOYMENT, FACILITIES, LABORATORIES, RESEARCH AND DEVELOPMENT, RESEARCH  
FACILITIES, UNIVERSITIES, VIRGINIA

1968 WALKER WR  
WATER RESOURCES RESEARCH IN VIRGINIA  
VA POLYTECHNIC INST WATER RESOURCES RESEARCH CENTER BULL 18

PROJECTS, RESEARCH AND DEVELOPMENT, VIRGINIA, WATER RESOURCES DEVELOPMENT

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DISPOSITION OF PUBLIC LAW 88-309 (1964 COM FISH RES AND DEV ACT) FUNDS  
MINUTES OF MEETINGS, 28 APRIL

CLAMS, FINANCING, OYSTERS, RESEARCH AND DEVELOPMENT

1971 HAMMOND AL  
NSF PRODS SCIENTISTS TO COORDINATE BAY RESEARCH, BUT ACADEMIC RIVALRIES  
SNAG BADLY NEEDED STUDIES  
SCIENCE 172, 827-830

CHESAPEAKE BAY, INTER-AGENCY COOPERATION, MULTIPLE-PURPOSE PROJECTS,  
PROJECT PLANNING, RESEARCH AND DEVELOPMENT, UNIVERSITIES

1971 VIRGINIA POLYTECHNIC INSTITUTE  
WATER RESOURCES RESEARCH IN VIRGINIA--ANNUAL REPORT FOR FISCAL YEAR 1971  
WATER RESOURCES RESEARCH CENTER, BLACKSBURG, VIRGINIA, BULL 46

EUTROPHICATION, MARSHES, MINE WASTES, PESTICIDE REMOVAL, POLLUTANTS,  
RESEARCH AND DEVELOPMENT, VIRGINIA, WASTE WATER TREATMENT, WATER QUALITY

1972 CHESAPEAKE RESEARCH CONSORTIUM, INC.  
THE CHESAPEAKE BAY  
VOLUME 3--BAY RELATED RESEARCH PROGRESS REPORTS

CHESAPEAKE BAY, MANAGEMENT, RESEARCH AND DEVELOPMENT, PROJECTS

1972 CHESAPEAKE RESEARCH CONSORTIUM, INC.  
THE CHESAPEAKE BAY  
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CHESAPEAKE BAY, MANAGEMENT, RESEARCH AND DEVELOPMENT, PROJECTS

\*\*\*\*\* RESEARCH FACILITIES \*\*\*\*\*

1967 VIRGINIA MARINE RESOURCES STUDY COMMISSION  
MARINE RESOURCES OF VIRGINIA--THEIR USE, CONSERVATION AND DEVELOPMENT.  
REPORT TO THE GOVERNOR AND THE GENERAL ASSEMBLY OF VIRGINIA  
RICHMOND, VA DEPT PURCHASES AND SUPPLY

ADMINISTRATIVE DECISIONS, CONSERVATION, FISHING, RESEARCH FACILITIES,  
VIRGINIA, WATER RESOURCES DEVELOPMENT

1968 HUNTER JH  
RESEARCH AND DEVELOPMENT FACILITIES AND PERSONNEL--VIRGINIA, 1968  
VIRGINIA GOVERNORS OFFICE, DIVISION OF INDUSTRIAL DEVELOPMENT, RICHMOND,  
VIRGINIA

EMPLOYMENT, FACILITIES, LABORATORIES, RESEARCH AND DEVELOPMENT, RESEARCH  
FACILITIES, UNIVERSITIES, VIRGINIA

BIGELOW RH  
ANALYSIS OF MULTIUNIVERSITY RESEARCH AND TECHNOLOGY CENTERS IN VIRGINIA  
OLD DOMINION UNIVERSITY

ADMINISTRATIVE AGENCIES, RESEARCH FACILITIES, UNIVERSITIES, VIRGINIA

\*\*\*\*\* RESERVOIRS \*\*\*\*\*

1948 VIRGINIA DIVISION OF PLANNING AND ECONOMIC DEVELOPMENT  
PROPOSED DEVELOPMENT OF THE JAMES RIVER  
RICHMOND, BY THE DIVISION

FLOOD PROTECTION, FUTURE PLANNING (PROJECTED), JAMES RIVER, RESERVOIRS,  
WATER RESOURCES DEVELOPMENT

1969 VIRGINIA MARINE RESOURCES COMMISSION  
APPOMATTOX RIVER WATER IMPOUNDMENT  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION-- 24JUNE

APPOMATTOX RIVER, DAMS, IMPOUNDED WATERS, JAMES RIVER, RESERVOIRS

1969 UNITED STATES GEOLOGICAL SURVEY. WATER RESOURCES DIVISION  
VIRGINIA WATER RESOURCES SUMMARY  
(MONTHLY RELEASE) RICHMOND, US GEOL SURVEY IN COOPERATION WITH VA DIV OF  
WATER RESOURCES

GROUNDWATER, RESERVOIRS, SUPERIMPOSED DRAINAGE, VIRGINIA, WATER  
TEMPERATURE

## \*\*\*\*\* RESOURCE ALLOCATION \*\*\*\*\*

1955 ANON

A LOOK AT VIRGINIA'S NATURAL RESOURCES  
 VIRGINIA RESOURCE USE EDUCATION COUNCIL, BOX 1642, RICHMOND, VA.

CONSERVATION, NATURAL RESOURCES, RESOURCE ALLOCATION, VIRGINIA

1971 GOODELL HG ET AL

THE POTENTIAL OF REMOTE SENSING AS A DATA BASE FOR STATE AGENCIES--THE  
 VIRGINIA MODEL  
 UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA. (NATL TECH INFO SERV NO PB  
 200990)

DECISION MAKING, PLANNING, REMOTE SENSING, RESOURCE ALLOCATION,  
 STRUCTURAL MODELS, VIRGINIA

## \*\*\*\*\* RESOURCE DEVELOPMENT \*\*\*\*\*

1964 CHRISTY FT

THE EXPLOITATION OF A COMMON PROPERTY RESOURCE--THE MARYLAND OYSTER  
 INDUSTRY  
 UNIVERSITY OF MICHIGAN DISSERTATION

CHESAPEAKE BAY, ECONOMICS, MANAGEMENT, MARYLAND, OYSTER INDUSTRY,  
 OYSTERS, PUBLIC LANDS, RESOURCE DEVELOPMENT, VIRGINIA

1972 CHESAPEAKE RESEARCH CONSORTIUM, INC.

THE CHESAPEAKE BAY  
 VOLUME I--A PROPOSAL FOR RESEARCH APPLIED TO NATIONAL NEEDS

CHESAPEAKE BAY, FUTURE PLANNING (PROJECTED), MANAGEMENT, PROJECT  
 PLANNING, RESOURCE DEVELOPMENT, WETLANDS

## \*\*\*\*\* RESPIRATION \*\*\*\*\*

1962 BLACK RE

RESPIRATION, ELECTRON-TRANSPORT ENZYMES, AND KREBS-CYCLE ENZYMES IN EARLY  
 DEVELOPMENTAL STAGES OF THE OYSTER CRASSOSTREA VIRGINICA  
 BIOL BULL 123, 58-70 (VIMS CONTR 116)

EMBRYONIC GROWTH STAGE, ENZYMES, OYSTERS, RESPIRATION

1962 BLACK RF

THE CONCENTRATIONS OF SOME ENZYMES OF THE CITRIC ACID CYCLE AND ELECTRON  
 TRANSPORT SYSTEM IN THE LARGE GRANULE SECTION OF EGGS AND TROCHOPHORES OF  
 THE OYSTER...  
 BIOL BULL 123, 71-79 (VIMS CONTR 117)

EMBRYONIC GROWTH STAGE, ENZYMES, OYSTERS, RESPIRATION

1966 PATTEN BC, CHABOT BF

FACTORIAL PRODUCTIVITY EXPERIMENTS IN A SHALLOW ESTUARY--CHARACTERISTICS  
 OF RESPONSE SURFACES  
 CHES SCI 7, 117-136 (VIMS CONTR 224)

ESTUARIES, PLANKTON, PRIMARY PRODUCTIVITY, RESPIRATION, SAMPLING, YORK  
 RIVER

1971 KUSHINS LJ, MANGUM CP

RESPONSES TO LOW OXYGEN CONDITIONS IN TWO SPECIES OF THE MUD SNAIL  
 NASSARIUS  
 COMP BIOCHEM PHYSIOL 39A, 421-435

OXYGEN REQUIREMENTS, RESPIRATION, SOIL STABILIZATION

## \*\*\*\*\* RIPARIAN RIGHTS \*\*\*\*\*

1854

FRENCH V BANKHEAD  
 52 VA (11 GRATT) 136

CHESAPEAKE BAY, JAMES RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS, SOCIAL  
 VALUES

1876

NORFOLK CITY V COOKE  
 68 VA (27 GRATT) 430

BEDS UNDER WATER, BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, RIPARIAN  
 RIGHTS

1899

WAVERLY WATER-FRONT AND IMPROVEMENT CO V WHITE ET AL  
 33 SE 534, 97 VA 376

BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS, SOCIAL  
 VALUES

1912

LAMBERTS POINT CO V NORFOLK AND W. RY CO  
 74 SE 156, 113 VA 270

BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, RIPARIAN  
 RIGHTS, SOCIAL VALUES

1918

DARLING V CITY OF NEWPORT NEWS  
 96 SE 307, 123 VA 14

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, POLLUTION  
 ABATEMENT, RIPARIAN RIGHTS, SEWAGE

1931 EMBREY AT  
WATERS OF THE STATE  
RICHMOND, OLD DOMINION PRESS

BEDS UNDER WATER, LEGAL ASPECTS, NAVIGABLE WATERS, PUBLIC LANDS, RIPARIAN RIGHTS, SOCIAL VALUES, VIRGINIA

1932  
MILLER V COMMONWEALTH  
166 SE 557, 159 VA 924

JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, PUBLIC LANDS, RIPARIAN RIGHTS, SOCIAL VALUES

1932  
COMMONWEALTH V CITY OF NEWPORT NEWS  
164 SE 689

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, POLLUTION ABATEMENT, RIPARIAN RIGHTS, SEWAGE

1966 CULLER ED  
REAL PROPERTY- RIPARIAN RIGHTS  
UNIV RICHMOND LAW NOTES 2, 257-261

ELIZABETH RIVER, RIPARIAN RIGHTS, SOCIAL VALUES, LEGAL ASPECTS

1967  
NORFOLK DREDGING CO V RADCLIFF MATERIALS INC  
264 FSUPP 399

DREDGING, ELIZABETH RIVER, JAMES RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS

1968  
WATERS OF THE STATE, PORTS AND HARBORS  
VA CODE, 1950, TITLE 62.1

BEDS UNDER WATER, EROSION CONTROL, HARBORS, LEGAL ASPECTS, NAVIGABLE WATERS, POLLUTION ABATEMENT, RIPARIAN RIGHTS, VIRGINIA, WATER LAW

1968 WALKER WR, COX WE  
WATER RESOURCES LAWS FOR VIRGINIA  
VPI WATER RESOURCES RESEARCH CENTER BULL 9

LEGAL ASPECTS, RIPARIAN RIGHTS, VIRGINIA, WATER RIGHTS

1969 VIRGINIA MARINE RESOURCES COMMISSION  
CITY OF NORFOLK LANDFILL, LAMBERTS POINT  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMM., 28JAN, 25FEB, 25MAR, 23SEPT

BULKHEAD LINE, ELIZABETH RIVER, JAMES RIVER, LANDFILLS, RIPARIAN RIGHTS

1969 VIRGINIA MARINE RESOURCES COMMISSION  
DREDGE AND FILL PROJECTS JAMES RIVER  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMM., 24JUNE, 22JULY

DREDGING, JAMES RIVER, LANDFILLS, RIPARIAN RIGHTS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
FILLING BEHIND BULKHEAD LINE IN ELIZABETH RIVER  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION-- 28APR, 27 OCT

BULKHEAD LINE, ELIZABETH RIVER, JAMES RIVER, LANDFILLS, RIPARIAN RIGHTS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DREDGING OF CHANNEL IN BUSHY PARK CREEK (RAPPAHANNOCK RIVER)  
MINUTES OF MEETINGS, 27 JANUARY, 23 JULY

DREDGING, RAPPAHANNOCK RIVER, RIPARIAN RIGHTS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
EXTENSION OF FENCES BELOW MEAN LOW WATER, OCEANVIEW, NORFOLK, VIRGINIA  
MINUTES OF MEETINGS, 28 APRIL, 23 JULY

BEACHES, CHESAPEAKE BAY, RECREATION FACILITIES, RIPARIAN RIGHTS

1970 POWER G  
CHESAPEAKE BAY IN LEGAL PERSPECTIVE  
US FEDERAL WATER POLLUTION CONTROL ADMINISTRATION NO. 1

CHESAPEAKE BAY, HISTORY, LEGAL ASPECTS, RIPARIAN RIGHTS, STRUCTURAL RELAXATION

1971 MIRI JA  
SOME PROBLEMS OF WATER RESOURCE MANAGEMENT IN VIRGINIA--A PRELIMINARY EXAMINATION  
DEPT OF GOVERNMENT, COLLEGE OF WILLIAM AND MARY

LEGAL ASPECTS, RIPARIAN RIGHTS, SUPERIMPOSED DRAINAGE, VIRGINIA, WATER DEMAND, WATER MANAGEMENT (APPLIED)

\*\*\*\*\* RIVER BASIN DEVELOPMENT \*\*\*\*\*

1930 UNITED STATES CONGRESS  
JAMES RIVER, VA  
71ST CONG, 2D SESS HOUSE DOC 314 (INCLUDES 8 MAPS)

CHANNEL IMPROVEMENT, JAMES RIVER, RIVER BASIN DEVELOPMENT, THERMAL RADIATION

1942  
 VIRGINIA SCIENTISTS ADOPT NOVEL PROGRAM. JAMES RIVER PROJECT TO BE MODEL  
 FOR FUTURE LONG RANGE PLANNING  
 VA WILDLIFE 5, 66-68

FUTURE PLANNING (PROJECTED), JAMES RIVER, RIVER BASIN DEVELOPMENT, WATER  
 RESOURCES DEVELOPMENT

1948 CLINE JH, STOW MH  
 THE JAMES RIVER PROJECT OF THE VIRGINIA ACADEMY OF SCIENCE  
 VIRGINIA WILDLIFE 9(2), 15-17,22

FUTURE PLANNING (PROJECTED), JAMES RIVER, RIVER BASIN DEVELOPMENT

1948 UNITED STATES CONGRESS  
 JAMES RIVER, VA  
 80TH CONG, 1ST SESS HOUSE DOC 207 (INCLUDES MAP)

ECONOMICS, FLOOD CONTROL, JAMES RIVER, RIVER BASIN DEVELOPMENT, THERMAL  
 RADIATION

1950 VIRGINIA ACADEMY OF SCIENCE, JAMES RIVER PROJECT COMMITTEE  
 JAMES RIVER BASIN, PAST, PRESENT AND FUTURE  
 RICHMOND, VA ACAD SCIENCE

ANIMAL POPULATIONS, CONSERVATION, ECOLOGY, GEOLOGIC INVESTIGATIONS,  
 HISTORY, JAMES RIVER, RECREATION, RIVER BASIN DEVELOPMENT, TRANSPORTATION

1963 HARGIS WJ, JR  
 JAMES RIVER BASIN--GREAT NATURAL RESOURCE  
 (VIMS MS)

JAMES RIVER, RIVER BASIN DEVELOPMENT, WATER RESOURCES DEVELOPMENT

1968 UNIVERSITY OF VIRGINIA, DEPARTMENT OF CITY PLANNING  
 LOWER JAMES RIVER ENVIRONMENTAL RESOURCE STUDY  
 CHARLOTTESVILLE, VIRGINIA

JAMES RIVER, RIVER BASIN DEVELOPMENT

\*\*\*\*\* RIVER BASINS

1906 GROVER NC, BOLSTER RH  
 HYDROGRAPHY OF VIRGINIA  
 VA GEOLOGICAL SURVEY BULL 3

DRAINAGE, JAMES RIVER, RIVER BASINS

1932 YOUNG GR  
 REPORT ON JAMES RIVER, VA, IN ACCORDANCE WITH HOUSE DOC 308, 69TH CONG  
 1ST SESS  
 VOL 1 +14 APP. NORFOLK, US ENGINEER OFFICE

ECONOMICS, FLOOD CONTROL, FUTURE PLANNING (PROJECTED), IRRIGATION, JAMES  
 RIVER, NAVIGATION, RIVER BASINS

1950 MARSHALL N  
 MARINE FISHES AND INVERTEBRATES  
 IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
 139-150

ANADROMOUS FISH, CATCH, DRAINAGE SYSTEMS, FISH TAXONOMY, JAMES RIVER,  
 OYSTERS, RIVER BASINS

1966 VIRGINIA LEAGUE OF WOMEN VOTERS  
 JAMES RIVER BASIN--A PROGRESS REPORT  
 JAMES RIVER BASIN INTERLEAGUE COMMITTEE

JAMES RIVER, RIVER BASINS

1970 VIRGINIA DIVISION OF WATER RESOURCES  
 RAPPAHANNOCK RIVER BASIN, COMPREHENSIVE WATER RESOURCES PLAN  
 PLANNING BULL 219

AGRICULTURE, ECONOMICS, LONG-TERM PLANNING, RAPPAHANNOCK RIVER,  
 RECREATION, RIVER BASINS, THERMAL CONDUCTIVITY, WATER RESOURCES  
 DEVELOPMENT

1970 VIRGINIA DIVISION OF WATER RESOURCES  
 YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
 PLANNING BULL 227

CLIMATIC DATA, FLOW CHARACTERISTICS, GROUNDWATER, HYDROLOGIC ASPECTS,  
 LONG-TERM PLANNING, RIVER BASINS, THEIR EQUATION, YORK RIVER

\*\*\*\*\* RIVER BEDS

\*\*\*\*\*

1927 CAMPBELL MR  
 MEANING OF MEANDERS IN TIDAL STREAMS  
 GEOL SOC AMERICA BULL 38, 537-556

GEOMORPHOLOGY, JAMES RIVER, MEANDERS, RIVER BEDS

\*\*\*\*\* RIVER SYSTEMS

\*\*\*\*\*

1950 STOW MH  
 GEOLOGY  
 IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
 435-441

GEOLOGIC FORMATIONS, GEOLOGY, JAMES RIVER, RIVER SYSTEMS, WATERSHEDS  
 (BASINS)

1970 BREHMER ML  
BIOLOGICAL AND CHEMICAL STUDY OF VIRGINIA'S ESTUARIES  
(VIMS MS)

BIOLOGICAL COMMUNITIES, CHEMICAL ANALYSIS, HYDROLOGIC DATA, JAMES RIVER,  
RAPPAHANNOCK RIVER, RIVER SYSTEMS, YORK RIVER

\*\*\*\*\* RIVERS \*\*\*\*\*

1901 GANNETT H  
PROFILES OF RIVERS IN THE UNITED STATES  
US GEOL SURVEY WATER-SUPPLY AND IRRIGATION PAPERS 44

PROFILES, RIVERS, UNITED STATES

1924 EARLE S  
THE CHESAPEAKE BAY COUNTRY  
THOMSON ELLIS CO., BALTIMORE, MARYLAND

CHESAPEAKE BAY, EASTERN SHORE (VA-MD), HISTORY, MARYLAND, RIVERS,  
VIRGINIA

1965 CARTER R  
THE RAPPAHANNOCK ABOVE TIDEWATER  
VIRGINIA WILDLIFE 26(6), 17-19

RAPPAHANNOCK RIVER, RIVERS, VIRGINIA

1970 VIRGINIA COMMISSION OF OUTDOOR RECREATION  
VIRGINIA'S SCENIC RIVERS  
REPRINTED FROM THE VIRGINIA OUTDOORS PLAN, 1969, VIRGINIA'S COMPREHENSIVE  
PLAN FOR OUTDOOR RECREATION

RECREATION, RIVERS, SCENIC EASEMENTS, VIRGINIA

\*\*\*\*\* RUNOFF \*\*\*\*\*

1968 STANLEY EM, NORCROSS JJ  
CIRCULATION OF THE SHELF WATERS OFF THE CHESAPEAKE BIGHT  
OCEAN SCIENCES & ENGINEERING OF THE ATLANTIC SHELF, SYMPOSIUM.  
TRANSACTIONS. MARINE TECHNOLOGY SOC, DELAWARE VALLEY SECTION

CONTINENTAL SHELF, CURRENTS (WATER), RUNOFF, SHALLOW WELLS, WINDS

1968 STANLEY EM, NORCROSS JJ  
CIRCULATION OF THE SHELF WATERS OFF THE CHESAPEAKE BIGHT  
OCEAN SCIENCES & ENGINEERING OF THE ATLANTIC SHELF, SYMPOSIUM.  
TRANSACTIONS. MARINE TECHNOLOGY SOC, DELAWARE VALLEY SECTION

CONTINENTAL SHELF, CURRENTS (WATER), RUNOFF, SHALLOW WELLS, WINDS

\*\*\*\*\* SALAMANDERS \*\*\*\*\*

1950 CARROLL RP  
AMPHIBIA AND REPTILES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
195-211

AMPHIBIANS, CLASSIFICATION, FROGS, JAMES RIVER, REPTILES, SALAMANDERS,  
SOIL STERILANTS, TURTLES

\*\*\*\*\* SALINE WATER-FRESHWATER INTERFACES\*\*\*\*\*

1952 PRITCHARD DW  
PHYSICAL STRUCTURE, CIRCULATION, AND MIXING IN A COASTAL PLAIN ESTUARY  
CHES BAY INST TECH REPT 3

ESTUARIES, JAMES RIVER, SALINE WATER-FRESHWATER INTERFACES  
SALINITY

1952 PRITCHARD DW  
REVIEW OF OUR PRESENT KNOWLEDGE OF THE DYNAMICS AND FLUSHING OF ESTUARIES  
CHES BAY INST TECH REPT 4

ESTUARIES, SALINE WATER-FRESHWATER INTERFACES

1962 HARGIS WJ, JR  
CURRENT KNOWLEDGE ON THE HYDROGRAPHY AND BIOLOGY OF THE ESTUARINE PORTION  
OF JAMES RIVER  
(VIMS MS)

BIOLOGICAL COMMUNITIES, HYDROGRAPHY, JAMES RIVER, SALINE WATER-FRESHWATER  
I  
INTERFACES

1965 BREHMER ML  
TURBIDITY AND SILTATION AS FORMS OF POLLUTION  
J SOIL AND WATER CONSERVATION 20(4), 132-133 (VIMS CONTR 196)

JUVENILE FISHES, SALINE WATER-FRESHWATER INTERFACES  
SESTON, SOIL ASPHALT,  
THERMAL SPRINGS, TURBIDITY

\*\*\*\*\* SALINE WATER INTRUSION \*\*\*\*\*

1965 NORTON W  
DISTRIBUTION VARIATIONS OF ESTUARINE BENTHONIC FORAMINIFERA IN A CHANGING  
ENVIRONMENT  
VIMS MS

BENTHIC FAUNA, DROUGHTS, ESTUARINE ENVIRONMENT, FORAMINIFERA, JAMES  
RIVER, SALINE WATER INTRUSION

## \*\*\*\*\* SALINITY

1944 SANDOZ M, HOPKINS SH  
ZOEAL LARVAE OF THE BLUE CRAB CALLINectes SAPIDUS RATHBUN  
J WASH ACAD SCIENCES 34, 132-133 (VIMS CONTR 13)

CRABS, HATCHING, LARVAL GROWTH STAGE, SALINITY, SHALLOW WELLS

1950 MACGREGOR JS  
SOME HYDROGRAPHIC CONDITIONS FOUND IN WINTER IN LOWER CHESAPEAKE BAY AND  
THEIR POSSIBLE EFFECTS ON THE BLUE CRAB...  
VIMS THESIS

CHESAPEAKE BAY, CRABS, SALINITY, SHALLOW WELLS

1951 HOPKINS TC JR, BURT WV  
INSHORE SURVEY PROGRAM INTERIM REPORT III  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY, REFERENCE 51-8

BATHYTHERMOGRAPHS, CHESAPEAKE BAY, DISTRIBUTION, SALINITY, SEASONAL,  
SHALLOW WELLS

1952 PRITCHARD DW  
PHYSICAL STRUCTURE, CIRCULATION, AND MIXING IN A COASTAL PLAIN ESTUARY  
CHES BAY INST TECH REPT 3

ESTUARIES, JAMES RIVER, SALINE WATER-FRESHWATER INTERFACESSALINITY

1952 PRITCHARD DW  
SALINITY DISTRIBUTION AND CIRCULATION IN THE CHESAPEAKE BAY ESTUARINE  
SYSTEM  
J MAR RES 11, 106-123 (CHES BAY INST CONTR 6)

ESTUARIES, SALINITY, VIRGINIA

1953 CHESAPEAKE BAY INSTITUTE  
JAMES RIVER WINTER CRUISE 6-11 MAR 1952  
CHES BAY INST DATA REPT 13

CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, SALINITY, WATER  
TEMPERATURE, WEATHER DATA

1953 PRITCHARD DW, KENT RE  
REDUCTION AND ANALYSIS OF DATA FROM JAMES RIVER OPERATION OYSTER SPAT  
CHES BAY INST TECH REPT 6

DATA COLLECTIONS, JAMES RIVER, SALINITY, STRUCTURE, THERMAL RADIATION

1955 CHESAPEAKE BAY INSTITUTE  
JAMES RIVER WINTER CRUISE 2, 13-17 FEB 1953  
CHES BAY INST DATA REPT 25

CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, SALINITY, WATER  
TEMPERATURE, WEATHER DATA

1956 PRITCHARD DW  
DYNAMIC STRUCTURE OF A COASTAL PLAIN ESTUARY  
J MAR RES 15, 33-42 (CHES BAY INST CONTR 24)

CORIOLIS FORCE, ESTUARIES, HYDROLOGIC EQUATION, JAMES RIVER, PHYSICAL  
OCEANOGRAPHY, SALINITY

1956 PRITCHARD DW, KENT RE  
METHOD FOR DETERMINING MEAN LONGITUDINAL VELOCITIES IN A COASTAL PLAIN  
ESTUARY  
J MAR RES 15, 81-91 (CHES BAY INST CONTR 26)

CURRENTS (WATER), ESTUARIES, HYDROLOGIC EQUATION, JAMES RIVER, PHYSICAL  
OCEANOGRAPHY, SALINITY

1959 ANDREWS JD ET AL  
FRESH-WATER KILL OF OYSTERS (CRASSOSTREA VIRGINICA) IN JAMES RIVER, VA,  
1958  
NATL SHELLFISHERIES ASSOC PROC 49, 29-49 (VIMS CONTR 87)

FRESHWATER, JAMES RIVER, MORTALITY, OYSTERS, SALINITY

1962 ANDREWS JD  
OYSTER MORTALITY STUDIES IN VIRGINIA. 4. MSX IN JAMES RIVER PUBLIC SEED  
BEDS  
NATL SHELLFISHERIES ASSOC PROC 53, 65-84 (VIMS CONTR 155)

BEDS UNDER WATER, DERMOCYSTIDIUM, JAMES RIVER, MORTALITY, MSX, OYSTERS,  
SALINITY

1962 HOPKINS SH  
DISTRIBUTION OF SPECIES OF CLIONA (BORING SPONGE) ON THE EASTERN SHORE OF  
VIRGINIA IN RELATION TO SALINITY  
CHES SCI 3, 121-124

BENTHIC FAUNA, EASTERN SHORE (VA-MD), PREDATION, SALINITY, TURBIDITY

1962 MASSMANN WH  
WATER TEMPERATURES, SALINITIES, AND FISHES COLLECTED DURING TRAWL SURVEYS  
OF CHESAPEAKE BAY AND YORK AND PAMUNKEY RIVERS, 1956-1959  
VIMS SPECIAL SCIENTIFIC REPORT 27

CHESAPEAKE BAY, DISTRIBUTION, ON-SITE DATA COLLECTIONS, PAMUNKEY RIVER,  
SALINITY, SAMPLING, YORK RIVER

1964 VIRGINIA INSTITUTE OF MARINE SCIENCE  
JAMES RIVER MODEL DATA  
(VIMS MS)

CHEMICAL ANALYSIS, CURRENTS (WATER), DATA COLLECTIONS, HYDROGRAPHY, JAMES RIVER, SALINITY, WATER TEMPERATURE, WEATHER DATA

1964 HAEFNER PA, SHUSTER C  
LENGTH INCREMENTS DURING TERMINAL MOLT OF THE FEMALE BLUE CRAB,  
CALLINECTES SAPIDUS IN DIFFERENT SALINITY ENVIRONMENTS  
CHES SCI 5(3), 114-118

CRABS, GROWTH STAGES, SALINITY, MOLTING

1965 FAUNCE JL  
EFFECT OF ENVIRONMENTAL SALINITY ON THE AMINO ACIDS OF *BALANUS IMPROVISUS*  
DARWIN  
(VIMS THESIS)

AMINO ACIDS, BARNACLES, JAMES RIVER, SALINITY

1965 LYNCH MP  
EFFECTS OF ENVIRONMENTAL SALINITY ON FREE AMINO ACIDS OF *CRASSOSTREA VIRGINICA*  
(VIMS THESIS)

AMINO ACIDS, JAMES RIVER, OYSTERS, PHYSIOLOGICAL ECOLOGY, SALINITY, YORK RIVER

1966 LYNCH MP, WOOD L  
EFFECTS OF ENVIRONMENTAL SALINITY ON FREE AMINO ACIDS OF *CRASSOSTREA VIRGINICA* GMFLIN  
COMP BIOCHEM PHYSIOL 19, 783-790 (VIMS CONTR 222)

AMINO ACIDS, JAMES RIVER, OYSTERS, PHYSIOLOGICAL ECOLOGY, SALINITY, YORK RIVER

1966 ELLIOTT HA  
DISTRIBUTION OF RECENT OSTRACODA IN THE RAPPAHANNOCK ESTUARY, VIRGINIA  
CHES SCI 7, 203-207 (VIMS CONTR 236)

BRACKISH WATER, NUTRIENTS, OSTRACODS, RAPPAHANNOCK RIVER, SALINITY, WATER CIRCULATION

1966 CASTAGNA M, CHANLEY P  
SALINITY TOLERANCE AND DISTRIBUTION OF *SPISULA SOLIDISSIMA*, *MULINIA LATERALIS* AND *RANGIA CUNEATA*, FAMILY MACTRIDAE  
VIMS CONTR 245

CLAMS, DISTRIBUTION, SALINITY, SALT TOLERANCE

1967 SHIDLER JK, MACINTYRE WG  
HYDROGRAPHIC DATA COLLECTION FOR 'OPERATION JAMES RIVER-1964'  
VA INST MARINE SCIENCE DATA REPT 5

CURRENTS (WATER), DATA COLLECTIONS, DEPTH, HYDROGRAPHY, JAMES RIVER, SALINITY, WATER TEMPERATURE, WIND VELOCITY

1967 FEELEY JB  
THE DISTRIBUTION AND ECOLOGY OF THE GAMMARIDEA (CRUSTACEA- AMPHIPODA) OF THE LOWER CHESAPEAKE ESTUARIES  
(VIMS THESIS)

AMPHIPODA, ECOLOGICAL DISTRIBUTION, JAMES RIVER, RAPPAHANNOCK RIVER, SALINITY, YORK RIVER

1967 BREHMER ML  
NUTRIENT ASSIMILATION IN A VIRGINIA TIDAL SYSTEM  
NATL SYMP ESTUARINE POLLUTION PROC 1967, STANFORD, CALIF

CHEMICAL ANALYSIS, CHLOROPHYLL, HYDROLOGIC DATA, JAMES RIVER, NUTRIENTS, PLANKTON, SALINITY

1968 BIGGS RB, WETZEL CD  
CONCENTRATION OF PARTICULATE CARBOHYDRATE AT THEHALOCLINE IN CHESAPEAKE BAY  
IMNOLOGY AND OCEANOGRAPHY 13(1) 169-170

CARBOHYDRATES, CHESAPEAKE BAY, CHLOROPHYLL, PIGMENTS, SALINITY, THERMAL SPRINGS

1968 BURRELL VG JR  
ECOLOGICAL SIGNIFICANCE OF A CTENOPHORE, *MNEMIOPSIS LEIDYI* (A. AGASSIZ), IN A FISH NURSERY GROUND  
VIMS THESIS

CTENOPHORES, ECOLOGICAL IMPACT, PLANKTON, SALINITY, YORK RIVER

1968 PRITCHARD DW  
CHEMICAL AND PHYSICAL OCEANOGRAPHY OF THE BAY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER 12-13, P. 49-74

CHESAPEAKE BAY, CIRCULATION, EFFLUENTS, NUTRIENTS, SALINITY, SLURRIES, SMALL GAME

1968 BOON JD III, MACINTYRE WG  
THE BORON-SALINITY RELATIONSHIP IN ESTUARINE SEDIMENTS OF THE RAPPAHANNOCK RIVER, VIRGINIA  
CHES SCI 9, 21-26 (VIMS CONTR 265)

BORON, CHEMICAL ANALYSIS, ESTUARIES, RAPPAHANNOCK RIVER, SALINITY, SEDIMENTS



1969 LANG MA  
VOLUME CONTROL IN HYPOTONIC SALINE BY MUSCLES OF THE BLUE  
CRAB, CALLINectes Sapidus RATHBUN  
PHD THESIS UNIV MARYLAND DISS ABS 29(10)38918

CRABS, SALINITY, HISTOLOGICAL INVESTIGATIONS

1969 LANG MA, GAINER H  
ISOSMOTIC INTERCELLULAR REGULATION AS A MECHANISM OF VOLUME CONTROL IN  
CRAB MUSCLE FIBERS  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY 30, 445-456

AMINO ACIDS, CRABS, SALINITY, HISTOLOGICAL INVESTIGATIONS

1968 BIGGS RB, WETZEL CD  
CONCENTRATION OF PARTICULATE CARBOHYDRATE AT THE HALOCLINE IN CHESAPEAKE  
BAY  
LIMNOLOGY AND OCEANOGRAPHY 13(1), 169-170

CARBOHYDRATES, CHESAPEAKE BAY, CHLOROPHYLL, PIGMENTS, SALINITY, THERMAL  
SPRINGS

1969 GORDON CM  
THE APPARENT INFLUENCE OF SALINITY ON THE DISTRIBUTION OF BARNACLE  
SPECIES IN CHESAPEAKE BAY (CIRRIPEDIA)  
CRUSTACEANA 16, 139-142

BARNACLES, BENTHOS, CHESAPEAKE BAY, DISTRIBUTION PATTERNS, SALINITY

1969 VIRGINIA DIVISION OF WATER RESOURCES  
JAMES RIVER BASIN COMPREHENSIVE WATER RESOURCES PLAN. VOL 1-INTRODUCTION  
RICHMOND (ITS PLANNING BULLETIN 213)

FUTURE PLANNING (PROJECTED), JAMES RIVER, SALINITY, WATER RESOURCES  
DEVELOPMENT

1969 NICHOLS M, NORTON W  
FORAMINIFERAL POPULATIONS IN A COASTAL PLAIN ESTUARY  
PALAEOGEOGRAPHY, PALAEOCLIMATOLOGY, PALAEOECOLOGICAL 6, 197-213

AQUATIC POPULATIONS, BENTHIC FAUNA, FORAMINIFERA, JAMES RIVER, SALINITY

1970 ZACHARY A  
SURVIVAL AND ACTIVITY OF THE OYSTER DRILL, Urosalpinx cinerea (SAY), UNDER  
CONDITIONS OF FLUCTUATING SALINITY  
(VIMS THESIS)

BEDS UNDER WATER, JAMES RIVER, OYSTER DRILLS, SALINITY

1970 VIRGINIA DIVISION OF WATER RESOURCES  
JAMES RIVER BASIN COMPREHENSIVE WATER RESOURCES PLAN. VOL 2-ECONOMIC BASE  
STUDY  
RICHMOND (ITS PLANNING BULLETIN 214)

AGRICULTURE, ECONOMIC PREDICTION, HUMAN POPULATION, JAMES RIVER,  
RECREATION, SALINITY, WATER RESOURCES DEVELOPMENT

1970 VIRGINIA DIVISION OF WATER RESOURCES  
JAMES RIVER BASIN COMPREHENSIVE WATER RESOURCES PLAN. VOL 3-HYDROLOGIC  
ANALYSIS  
RICHMOND (ITS PLANNING BULLETIN 215)

CHEMICAL ANALYSIS, DRAINAGE PATTERNS (GEOLOGIC), GROUNDWATER, HYDROLOGIC  
DATA, JAMES RIVER, METEOROLOGICAL DATA, SALINITY, WATER RESOURCES  
DEVELOPMENT

1970 DUPAUL WD, WEBB KL  
THE EFFECT OF TEMPERATURE ON SALINITY-INDUCED CHANGES IN THE FREE AMINO  
ACID POOL OF MYA ARENARIA  
COMP BIOCHEM PHYSIOL 32, 785-801 (VIMS CONTR 331)

AMINO ACIDS, BIOCHEMISTRY, CLAMS, SALINITY, SHALLOW WELLS

1971 HYER PV ET AL  
HYDROGRAPHY AND HYDRODYNAMICS OF VIRGINIA ESTUARIES. II. STUDIES OF THE  
DISTRIBUTION OF SALINITY AND DISSOLVED OXYGEN IN THE UPPER YORK SYSTEM  
VIMS SPEC REPT APPL MAR SCI AND OCEAN ENGRNG 13

COMPUTER PROGRAMS, DISSOLVED OXYGEN, ESTUARIES, HYDROGRAPHY, MATHEMATICAL  
MODELS, MATTAPONI RIVER, PAMUNKEY RIVER, SALINITY, YORK RIVER

1972 SCHUBEL JR  
THE PHYSICAL AND CHEMICAL CONDITIONS OF CHESAPEAKE BAY--AN EVALUATION  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY, SPECIAL REPT 21

CHESAPEAKE BAY, DISSOLVED OXYGEN, NUTRIENTS, SALINITY, SEASONAL  
DISTRIBUTION, SEDIMENTATION, SHALLOW WELLS, SILVERSIDES

\*\*\*\*\* SALT BALANCE

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1954 PRITCHARD DW  
STUDY OF THE SALT BALANCE IN A COASTAL PLAIN ESTUARY  
J MAR RES 13, 133-144 (CHES BAY INST CONTR 16)

ESTUARIES, JAMES RIVER, SALT BALANCE

1967-UNITED STATES GEOLOGICAL SURVEY  
ESTIMATED STREAM DISCHARGE ENTERING CHESAPEAKE BAY  
USGS MONTHLY RELEASE

CHESAPEAKE BAY, DISCHARGE (WATER), MARYLAND, PENNSYLVANIA, SALT BALANCE,  
VIRGINIA

## \*\*\*\*\* SALT MARSHES

1951 KLINGEL GC  
THE BAY  
CORNWALL PRESS, CORNWALL, N.Y.

CHESAPEAKE BAY, JELLYFISH, NATURAL RESOURCES, SALT MARSHES, WATERFOWL,  
WILDLIFE

1971 KERWIN JA  
ATLANTIC SHORE SALT MARSHES, VIRGINIA  
ATLANTIC NATURALIST 26, 71-74

MARSH PLANTS, SALT MARSHES, SLOPE PROTECTION, VIRGINIA, WATERFOWL

1971 KERWIN JA, PEDIGO RA  
SYNECOLOGY OF A VIRGINIA SALT MARSH  
CHES SCI 12, 125-130 (VIMS CONTR 397)

ECOLOGICAL DISTRIBUTION, MARSH PLANTS, MOBJACK BAY, PLANT POPULATIONS,  
SALT MARSHES

## \*\*\*\*\* SALT TOLERANCE

1966 TAN EC, VAN ENGEL WA  
OSMOREGULATION IN THE ADULT BLUE CRAB, CALLINectes Sapidus RATHBUN  
CHES SCI 7, 30-35 (VIMS CONTR 211)

CRABS, OSMOSIS, SALT TOLERANCE

1966 CASTAGNA M, CHANLEY P  
SALINITY TOLERANCE AND DISTRIBUTION OF SPISULA SOLIDISSIMA, MULINIA  
LATERALIS AND RANGIA CUNEATA, FAMILY MACTRIDAE  
VIMS CONTR 245

CLAMS, DISTRIBUTION, SALINITY, SALT TOLERANCE

1969 CONES HN JR, HAVEN DS  
DISTRIBUTION OF CHRYSOIRA QUINQUECIRRHA IN THE YORK RIVER  
CHES SCI 10, 75-84 (VIMS CONTR 313)

SALT TOLERANCE, SEA NETTLES, SEASONAL DISTRIBUTION, YORK RIVER, SCYPHOZOA

## \*\*\*\*\* SALTATION

1961 PATTEN BC, LACEY JR  
DISTRIBUTION OF AMMONIA NITROGEN IN THE LOWER YORK RIVER, VIRGINIA  
VIMS SPECIAL SCIENTIFIC REPT 25

AMMONIA, DATA COLLECTIONS, DISTRIBUTION, NITRATES, SALTATION, STRUCTURAL  
SHAPES, YORK RIVER

## \*\*\*\*\* SALTS

1966 HUNN JB  
SOME BLOOD CHEMISTRY VALUES FOR FIVE CHESAPEAKE BAY AREA FISHES  
CHES SCI 7, 173-175

BIOCHEMISTRY, FISH, GUNPOWDER RIVER, MD, PATUXENT RIVER, SALTS

## \*\*\*\*\* SAMPLING

1961 PATTEN BC, WARINNER JE  
HYDROGRAPHIC, NUTRIENT, CHLOROPHYLL, SESTON AND CELL-COUNT DATA FROM  
CHESAPEAKE BAY CRUISES OF R  
PATHFINDER AND R/V OBSERVER/ VIMS SPEC SCIENTIFIC REPT 20

CHESAPEAKE BAY, CRUISES, HYDROLOGIC DATA, SAMPLING, NUTRIENTS,  
CHLOROPHYLL, SESTON, PHYTOPLANKTON

1962 MULFORD RA  
DIATOMS FROM VIRGINIA TIDAL WATERS  
VIMS SPECIAL SCIENTIFIC REPORT 30

DISTRIBUTION, PHYTOPLANKTON, SAMPLING, YORK RIVER

1962 MASSMANN WH  
WATER TEMPERATURES, SALINITIES, AND FISHES COLLECTED DURING TRAWL SURVEYS  
OF CHESAPEAKE BAY AND YORK AND PAMUNKEY RIVERS, 1956-1959  
VIMS SPECIAL SCIENTIFIC REPORT 27

CHESAPEAKE BAY, DISTRIBUTION, ON-SITE DATA COLLECTIONS, PAMUNKEY RIVER,  
SALINITY, SAMPLING, YORK RIVER

1964 VIRGINIA INSTITUTE OF MARINE SCIENCE  
HYDROGRAPHIC CRUISE SCHEDULE OPERATION JAMES RIVER  
(VIMS MS)

CRUISES, JAMES RIVER, ON-SITE DATA COLLECTIONS, SAMPLING

1966 PATTEN BC, CHABOT BF  
FACTORIAL PRODUCTIVITY EXPERIMENTS IN A SHALLOW ESTUARY--CHARACTERISTICS  
OF RESPONSE SURFACES  
CHES SCI 7, 117-136 (VIMS CONTR 224)

ESTUARIES, PLANKTON, PRIMARY PRODUCTIVITY, RESPIRATION, SAMPLING, YORK  
RIVER

1966 MARSHALL HG  
THE DISTRIBUTION OF PHYTOPLANKTON ALONG A 140 MILE TRANSECT IN THE  
CHESAPEAKE BAY  
VIRGINIA J SCIENCE 17, 105-119

CHESAPEAKE BAY, DISTRIBUTION, PHYTOPLANKTON, SAMPLING

1968 MARKS JW, VILLA D, JR  
NUTRIENT DATA ON SEDIMENT SAMPLES OF THE POTOMAC ESTUARY  
CHES TECH SUPPORT LAB DATA REPORT 11

BOTTOM SEDIMENTS, CHEMICAL ANALYSIS, NUTRIENTS, POTOMAC RIVER, SAMPLING

1969 WARINNER JE, MILLER JP, DAVIS J  
DISTRIBUTION OF JUVENILE RIVER HERRING IN THE POTOMAC RIVER  
VIMS CONTR 327

ALEWIVES, BLUEBACK HERRING, DISTRIBUTION, POTOMAC RIVER, SAMPLING

1969 WARINNER JE, MILLER JP, DAVIS J  
DISTRIBUTION OF JUVENILE RIVER HERRING IN THE POTOMAC RIVER  
VIMS CONTR 327

ALEWIVES, BLUEBACK HERRING, DISTRIBUTION, POTOMAC RIVER, SAMPLING

1971 SIMMONS GM JR, WINFIELD A  
A FEASIBILITY STUDY USING CONSERVATION WEBBING AS AN ARTIFICIAL SUBSTRATE  
IN MACROBENTHIC STUDIES  
VA J SCIENCE 22, 52-59

AQUATIC INSECTS, BENTHIC FAUNA, INDICATORS, LAND DEVELOPMENT, SAMPLING

1971 MULFORD RA, NORCROSS JJ  
SPECIES COMPOSITION AND ABUNDANCE OF NET PHYTOPLANKTON IN VIRGINIAN  
COASTAL WATERS  
CHES SCI 12, 142-155 (VIMS CONTR 393)

PHYTOPLANKTON, SAMPLING, SEASONAL DISTRIBUTION, MIDDLE ATLANTIC BIGHT

1971 BOESCH DF  
DISTRIBUTION AND STRUCTURE OF BENTHIC COMMUNITIES IN THE HAMPTON ROADS  
AREA, VIRGINIA  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGRNG 15

BENTHIC FAUNA, INDICATORS, JAMES RIVER, SAMPLING

1972 MUSICK JA, MCEACHRAN JD  
AUTUMN AND WINTER OCCURRENCE OF DECAPOD CRUSTACEANS IN CHESAPEAKE BIGHT,  
U.S.A.  
CRUSTACEANA 22, 190-200 (VIMS CONTR 414)

CRUSTACEANS, SAMPLING, SEASONAL DISTRIBUTION

\*\*\*\*\* SAND BARS \*\*\*\*\*

1968 O'BRIEN M  
MULTIPLE BAR SYSTEMS IN CHESAPEAKE BAY  
VIMS THESIS

CHESAPEAKE BAY, DEPOSITION (SEDIMENTS), SAND BARS, SEDIMENTATION

\*\*\*\*\* SAND WAVES \*\*\*\*\*

1970 LUDWICK JC  
SAND WAVES AND TIDAL CHANNELS IN THE ENTRANCE TO CHESAPEAKE BAY  
OLD DOMINION UNIVERSITY, INSTITUTE OF OCEANOGRAPHY TECH REPORT 1

CHESAPEAKE BAY, SAND WAVES, SEDIMENT TRANSPORT, SLIME

\*\*\*\*\* SANDS \*\*\*\*\*

1876 CORYELL M  
DIATOMACEOUS SANDS OF RICHMOND, VIRGINIA  
AMER INST MINING ENGINEERS TRANS 4, 230-232

DIATOMACEOUS EARTH, JAMES RIVER, SANDS

1930 WENTWORTH CK  
SAND AND GRAVEL RESOURCES OF THE COASTAL PLAIN OF VIRGINIA  
VA GEOL SURVEY BULL 32

ATLANTIC COASTAL PLAIN, GRAVELS, SANDS, SULFUR BACTERIA, VIRGINIA

\*\*\*\*\* SCALLOPS \*\*\*\*\*

1969  
OYSTERS, CLAMS AND OTHER BIVALVES (REGULATIONS)  
VA CODE, 1950, TITLE 28.1 C 5 28.1-82 TO 28.1-164

CLAM INDUSTRY, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA, LEGAL ASPECTS

1969  
FISH, OYSTERS, SHELLFISH AND OTHER MARINE LIFE  
VA CODE, 1950 TITLE 28.1

CLAM INDUSTRY, CRAB INDUSTRY, FINFISH INDUSTRY, FISH MANAGEMENT, LEGAL ASPECTS, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA

1971 CASTAGNA M, DUGGAN W  
REARING THE BAY SCALLOP, Aequipecten irradians  
NATL SHELLFISH ASSOC PROC 61, 80-85 (VIMS CONTR 388)

COMMERCIAL FISHING, LARVAE, SCALLOPS, MARICULTURE

## \*\*\*\*\* SCAVENGERS

1962 HOESE MD  
STUDIES ON OYSTER SCAVENGERS AND THEIR RELATION TO THE FUNGUS  
DERMOCYSTIDIUM MARINUM  
NATL SHELLFISH ASSOC PROC 53, 161-174 (VIMS CONTR 162)

DERMOCYSTIDIUM, OYSTERS, SCAVENGERS, MARINE FUNGI, ANIMAL PATHOLOGY,  
CRABS

## \*\*\*\*\* SCENERY

1970 SHURTLEFF BP  
SEEING CHESAPEAKE WILDS  
INTERNATIONAL MARINE PUBLISHING COMPANY, CAMDEN, MAINE

CHESAPEAKE BAY, PHOTOGRAPHY, SCENERY, WILDLIFE

## \*\*\*\*\* SCENIC EASEMENTS

1970 VIRGINIA COMMISSION OF OUTDOOR RECREATION  
VIRGINIA'S SCENIC RIVERS  
REPRINTED FROM THE VIRGINIA OUTDOORS PLAN, 1969, VIRGINIA'S COMPREHENSIVE  
PLAN FOR OUTDOOR RECREATION

RECREATION, RIVERS, SCENIC EASEMENTS, VIRGINIA

## \*\*\*\*\* SCHOOLS (FISH)

1950 SETTE OE  
BIOLOGY OF THE ATLANTIC MACKEREL (SCOMBER SCOMBRUS) OF NORTH AMERICA  
USF AND WS FISHERY BULL 51

BIOLOGY, DIURNAL DISTRIBUTION, MIGRATION, SCHOOLS (FISH)

## \*\*\*\*\* SCUP

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 261-265

CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SCUP

1965 SMITH WG  
STUDY OF THE SCUP...BASED ON DATA OBTAINED FROM CATCHES OF THE 1963-64  
WINTER TRAWL FISHERY  
VIMS THESIS

CHESAPEAKE BAY, COMMERCIAL FISHING, SCUP, TRAWLING

## \*\*\*\*\* SCYPHOZOA

1952 VIRGINIA FISHERIES LABORATORY  
INSHORE SURVEY PROGRAM REPORT 13--BIOLUMINESCENCE IN THE CHESAPEAKE  
BAY...  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY REFERENCE 52-17

BIOLUMINESCENCE, CHESAPEAKE BAY, CTENOPHORES, DINOFLAGELLATES, SCYPHOZOA

1963 BOWMAN TE ET AL  
NOTES ON ASSOCIATIONS BETWEEN HYPERIID AMPHIPODS AND MEDUSAE IN  
CHESAPEAKE AND NARRAGANSETT BAYS AND THE NIANTIC RIVER  
CHESAPEAKE SCIENCE 4, 141-146 (CONTR 239, CHES BIOL LAB, SOLOMONS,  
MARYLAND)

AMPHIPODA, CHESAPEAKE BAY, DISTRIBUTION, SEA NETTLES, SCYPHOZOA

1963 MANSUETI R  
SYMBIOTIC BEHAVIOR BETWEEN SMALL FISHES AND JELLYFISHES, WITH NEW DATA ON  
THAT BETWEEN THE STROMATEID, PEPRILUS ALEPIDOTUS AND THE SCYPHOMEDUSA,  
CHRYSADRA QUINQUECIRRHA  
COPEIA 1963, 40-80

CHESAPEAKE BAY, SEA NETTLES, THIN FILMS, SCYPHOZOA

1967 RANK PH ET AL  
DIRECTIONAL WAVE SPECTRA MEASUREMENTS OF THE CHESAPEAKE BAY BENEATH THE  
BAY BRIDGE  
STEVENS INSTITUTE OF TECHNOLOGY, HOBOKEN NJ, FINAL REPORT 1204

BRIDGES, VIRGINIA, SCYPHOZOA

1969 CONES HN JR, HAVEN DS  
DISTRIBUTION OF CHRYSADRA QUINQUECIRRHA IN THE YORK RIVER  
CHES SCI 10, 75-84 (VIMS CONTR 313)

SALT TOLERANCE, SEA NETTLES, SEASONAL DISTRIBUTION, YORK RIVER, SCYPHOZOA

1969 CONES HN JR  
STROBILATION OF CHRYSADRA QUINQUECIRRHA POLYPS IN THE LABORATORY  
VA J SCIENCE 20, 16-18 (VIMS CONTR 297)

JELLYFISH, REPRODUCTION, SEA NETTLES, YORK RIVER, GROWTH STAGES,  
SCYPHOZOA

1971 CALDER DR ET AL  
BIBLIOGRAPHY ON THE SCYPHOZOA  
VIMS SPECIAL SCIENTIFIC REPT 59

BIBLIOGRAPHIES, HYDROZOA, SEA NETTLES, SCYPHOZOA

1971 OAKES MJ, HAVEN DS  
SOME PREDATORS OF POLYPS OF CHRYSAORA QUINQUECIRRHA (SCYPHOZOA,  
SEMAEOSTOMEAE) IN THE CHESAPEAKE BAY  
VA J SCIENCE 228 45,46 (VIMS CONTR 363)

CHESAPEAKE BAY, JELLYFISH, MORTALITY, PREDATION, SEA NETTLES, SCYPHOZOA

1971 PERKINS FD ET AL  
THE ULTRASTRUCTURE OF FISHING TENTACLE MUSCLE IN THE JELLYFISH CHRYSAORA  
QUINQUECIRRHA--A COMPARISON OF CONTRACTED AND RELAXED STATES  
J ULTRASTRUCTURE RESEARCH 35, 431- 450 (VIMS CONTR 374)

JELLYFISH, SUBSTATIONS (ELECTRICAL), SWANS, HISTOLOGICAL INVESTIGATIONS,  
SCYPHOZOA

\*\*\*\*\* SEA BASSES \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 250-253

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SEA BASSES

\*\*\*\*\* SEA NETTLES \*\*\*\*\*

1963 BOWMAN TE ET AL  
NOTES ON ASSOCIATIONS BETWEEN HYPERIID AMPHIPODS AND MEDUSAE IN  
CHESAPEAKE AND NARRAGANSETT BAYS AND THE NIAN TIC RIVER  
CHESAPEAKE SCIENCE 4, 141-146 (CONTR 239, CHES BIOL LAB, SOLOMONS,  
MARYLAND)

AMPHIPODA, CHESAPEAKE BAY, DISTRIBUTION, SEA NETTLES, SCYPHOZOA

1963 MANSUETI R  
SYMBIOTIC BEHAVIOR BETWEEN SMALL FISHES AND JELLYFISHES, WITH NEW DATA ON  
THAT BETWEEN THE STROMATEID, PEPRILUS ALEPIDOTUS AND THE SCYPHOMEDUSA,  
CHRYSAORA QUINQUECIRRHA  
COPEIA 1963, 40-80

CHESAPEAKE BAY, SEA NETTLES, THIN FILMS, SCYPHOZOA

1968 TRIDENT ENGINEERING ASSOCIATES, INCORPORATED  
CHESAPEAKE BAY CASE STUDY  
ANNAPOLIS, MARYLAND (CLEARINGHOUSE FOR FED SCI AND TECH INFORMATION NO. PB  
179-844)

AQUATIC PLANTS, BEACH EROSION, CHESAPEAKE BAY, HARBORS, SEA NETTLES,  
URBANIZATION, WATER POLLUTION, WATER RESOURCES DEVELOPMENT, WETLANDS

1969 CONES HN JR, HAVEN DS  
DISTRIBUTION OF CHRYSAORA QUINQUECIRRHA IN THE YORK RIVER  
CHES SCI 10, 75-84 (VIMS CONTR 313)

SALT TOLERANCE, SEA NETTLES, SEASONAL DISTRIBUTION, YORK RIVER, SCYPHOZOA

1969 CONES HN JR  
STROBILATION OF CHRYSAORA QUINQUECIRRHA POLYPS IN THE LABORATORY  
VA J SCIENCE 20, 16-18 (VIMS CONTR 297)

JELLYFISH, REPRODUCTION, SEA NETTLES, YORK RIVER, GROWTH STAGES,  
SCYPHOZOA

1971 BIOSPHERICS INCORPORATED  
STUDY OF THE POSSIBLE ROLE OF POLLUTION IN THE PREVALENCE OF SEA NETTLES  
IN THE CHESAPEAKE BAY...  
BIOSPHERICS INC, ROCKVILLE, MARYLAND

CENSUS, METABOLISM, POLLUTANTS, REMOTE SENSING, SEA NETTLES

1971 CALDER DR ET AL  
BIBLIOGRAPHY ON THE SCYPHOZOA  
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BIBLIOGRAPHIES, HYDROZOA, SEA NETTLES, SCYPHOZOA

1971 OAKES MJ, HAVEN DS  
SOME PREDATORS OF POLYPS OF CHRYSAORA QUINQUECIRRHA (SCYPHOZOA,  
SEMAEOSTOMEAE) IN THE CHESAPEAKE BAY  
VA J SCIENCE 228 45,46 (VIMS CONTR 363)

CHESAPEAKE BAY, JELLYFISH, MORTALITY, PREDATION, SEA NETTLES, SCYPHOZOA

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STUDY OF THE POSSIBLE ROLE OF POLLUTION IN THE PREVALENCE OF SEA NETTLES  
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\*\*\*\*\* SEASONAL \*\*\*\*\*

1951 HOPKINS TC JR, BURT WV  
INSHORE SURVEY PROGRAM INTERIM REPORT III  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY, REFERENCE 51-8

BATHY THERMOGRAPHS, CHESAPEAKE BAY, DISTRIBUTION, SALINITY, SEASONAL,  
SHALLOW WELLS

## \*\*\*\*\* SEASONAL DISTRIBUTION

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1939 NEWCOMBE CL, LANG AG  
THE DISTRIBUTION OF PHOSPHATES IN THE CHESAPEAKE BAY  
AMER PHILOSOPH SOC, PROC, 81, 393-420 (CHES BIOL LAB CONTR 28)

CHESAPEAKE BAY, DISTRIBUTION, PHOSPHATES, SEASONAL DISTRIBUTION

1951 ANDREWS JD  
SEASONAL PATTERNS OF OYSTER SETTING IN THE JAMES RIVER AND CHESAPEAKE BAY  
ECOLOGY 32, 752-758 (VIMS CONTR 34)

JAMES RIVER, OYSTERS, SEASONAL DISTRIBUTION, OYSTER SETTING, DISTRIBUTION PATTERNS

1954 ANDREWS JD  
SETTING OF OYSTERS IN VIRGINIA  
NATL SHELLFISH ASSOC PROC 45(1954), 38-46 (VIMS CONTR 53)

JAMES RIVER, OYSTERS, SEASONAL DISTRIBUTION, OYSTER SETTING

1958 MALONEY WE  
STUDY OF THE TYPES, SEASONS OF ATTACHMENT, AND GROWTH OF FOULING ORGANISMS IN THE APPROACHES TO NORFOLK, VIRGINIA  
USNHO TECH REPT TR-47

BENTHIC FAUNA, CHESAPEAKE BAY, FOULING, SEASONAL DISTRIBUTION

1964 JOSEPH EB ET AL  
SPAWNING OF THE COBIA, RACHYCENTRON CANADUM, IN THE CHESAPEAKE BAY AREA, WITH OBSERVATIONS OF JUVENILE SPECIMENS  
CHES SCI 5, 67-71 (VIMS CONTR 157)

CHESAPEAKE BAY, COBIA, EGGS, JUVENILE FISHES, SEASONAL DISTRIBUTION, STOKES LAW

1966 CALDER DR  
ECOLOGY OF MARINE INVERTEBRATE FOULING ORGANISMS IN HAMPTON ROADS, VIRGINIA  
(VIMS THESIS)

BARNACLES, BENTHIC FAUNA, FOULING, GASTROPODS, HYDROZOA, INVERTEBRATES, JAMES RIVER, SEASONAL DISTRIBUTION

1967 MARSHALL HG  
PLANKTON IN JAMES RIVER ESTUARY, VIRGINIA. 1. PHYTOPLANKTON IN WILLOUGHBY BAY AND HAMPTON ROADS  
CHESAPEAKE SCIENCE 8, 90-101

JAMES RIVER, PHYTOPLANKTON, SEASONAL DISTRIBUTION, STOCKING

1967 MARSHALL HG  
PLANKTON IN JAMES RIVER ESTUARY, VIRGINIA. 2. PHYTOPLANKTON IN THE ELIZABETH RIVER  
VA J SCIENCE 18, 105-109

ELIZABETH RIVER, JAMES RIVER, PHYTOPLANKTON, SEASONAL DISTRIBUTION

1967 CALDER DR, BREHMER ML  
SEASONAL OCCURRENCE OF EPIFAUNA ON TEST PANELS IN HAMPTON ROADS, VIRGINIA  
INTL J OCEANOL LIMNOL 1, 149-164 (VIMS CONTR 251)

BARNACLES, BENTHIC FAUNA, FOULING, HYDROZOA, INVERTEBRATES, JAMES RIVER, SEASONAL DISTRIBUTION

1968 CALDER DR  
HYDROZOA OF SOUTHERN CHESAPEAKE BAY  
(VIMS DISSERTATION)

BENTHIC FAUNA, CLASSIFICATION, HYDROZOA, INVERTEBRATES, JAMES RIVER, SEASONAL DISTRIBUTION

1968 MACKIERNAN GB  
SEASONAL DISTRIBUTION OF DINOFLAGELLATES IN THE LOWER YORK RIVER, VIRGINIA  
VIMS THESIS

DINOFLAGELLATES, DISTRIBUTION, YORK RIVER, SEASONAL DISTRIBUTION, PHYTOPLANKTON

1968 DAVIS J  
POTENTIAL FOR AN INDUSTRIAL TRAWL FISHERY IN CHESAPEAKE BIGHT  
VIRGINIA J SCIENCE 19, 177 (VIMS CONTR 273)

COMMERCIAL FISHING, FISH POPULATIONS, MIGRATION PATTERNS, SEASONAL DISTRIBUTION, TRAWLING

1969 CONES HN JR, HAVEN DS  
DISTRIBUTION OF CHRYSOORA QUINQUECIRRHA IN THE YORK RIVER  
CHES SCI 10, 75-84 (VIMS CONTR 313)

SALT TOLERANCE, SEA NETTLES, SEASONAL DISTRIBUTION, YORK RIVER, SCYPHOZOA

1969 MARSHALL HG  
OBSERVATIONS ON THE DISTRIBUTION OF PHYTOPLANKTON IN THE ELIZABETH RIVER, VIRGINIA  
VIRGINIA J SCIENCE 20, 37-39

ELIZABETH RIVER, PHYTOPLANKTON, SEASONAL DISTRIBUTION

1970 MARSH GA  
SEASONAL STUDY OF ZOSTERA EPIBIOTA IN THE YORK RIVER, VA.  
VIMS DISSERTATION

CHESAPEAKE BAY, EEL GRASS, PLANT POPULATIONS, SEASONAL DISTRIBUTION, YORK RIVER

1970 CHAMBERS JR ET AL  
OCCURRENCE OF LEPTODORA KINDTII (FOCKE) (CLADOCERA) IN VIRGINIA TRIBUTARIES OF CHESAPEAKE BAY  
CHES SCI 11, 255-261 (VIMS CONTR 360)

CHESAPEAKE BAY, CRUSTACEANS, SEASONAL DISTRIBUTION, VIRGINIA, WATERFLEAS

1971 MULFORD RA, NORCROSS JJ  
SPECIES COMPOSITION AND ABUNDANCE OF NET PHYTOPLANKTON IN VIRGINIAN COASTAL WATERS  
CHES SCI 12, 142-155 (VIMS CONTR 393)

PHYTOPLANKTON, SAMPLING, SEASONAL DISTRIBUTION, MIDDLE ATLANTIC BIGHT

1972 SCHUBEL JR  
THE PHYSICAL AND CHEMICAL CONDITIONS OF CHESAPEAKE BAY--AN EVALUATION  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY, SPECIAL REPT 21

CHESAPEAKE BAY, DISSOLVED OXYGEN, NUTRIENTS, SALINITY, SEASONAL DISTRIBUTION, SEDIMENTATION, SHALLOW WELLS, SILVERSIDES

1972 MUSICK JA, MCEACHRAN JD  
AUTUMN AND WINTER OCCURRENCE OF DECAPOD CRUSTACEANS IN CHESAPEAKE BIGHT, U.S.A.  
CRUSTACEANA 22, 190-200 (VIMS CONTR 414)

CRUSTACEANS, SAMPLING, SEASONAL DISTRIBUTION

\*\*\*\*\* SEDIMENT DISTRIBUTION \*\*\*\*\*

1964 HARRISON W ET AL  
SEDIMENTS OF LOWER CHESAPEAKE BAY WITH EMPHASIS ON MASS PROPERTIES  
JOURNAL OF SEDIMENTARY PETROLOGY 34(4), 727-755

ANIMAL POPULATIONS, BENTHOS, SEDIMENT DISTRIBUTION, SEDIMENTS

\*\*\*\*\* SEDIMENT LOAD \*\*\*\*\*

1932 COLLINS WD ET AL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA  
VA DIVISION OF WATER RESOURCES AND POWER BULL 3

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL CONDUCTIVITY, VIRGINIA, WATER UTILIZATION

1930 COLLINS WD ET AL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA--PRELIM REPT  
VA DIV OF WATER RESOURCES AND POWER BULL 2

CHEMICAL ANALYSIS, JAMES RIVER, SEDIMENT LOAD, THERMAL CONDUCTIVITY, VIRGINIA

1947 LAMAR WL, WHETSTONE GW  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1945-1946  
VA DIVISION OF WATER RESOURCES AND POWER BULL 8

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1952 WHETSTONE GW, MCAVOY RL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1946-1948  
VA DIVISION OF WATER RESOURCES BULL 11

CHEMICAL ANALYSIS, DISCHARGE (WATER), JAMES RIVER, SEDIMENT LOAD, THERMAL CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 CONNOR JG, SCHROEDER ME  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1948-1951  
VA DIVISION OF WATER RESOURCES BULL 20

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 KAPUSTKA SF  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1954-1956  
VA DIVISION OF WATER RESOURCES BULL 22

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 SCHROEDER ME, KAPUSTKA SF  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1951-1954  
VA DIVISION OF WATER RESOURCES BULL 21

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1960 VIRGINIA DIV OF WATER RESOURCES  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA AUG 1958-FEB 1960  
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CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1963 PATTEN BC ET AL  
SUSPENDED PARTICULATE MATERIAL IN THE LOWER YORK RIVER, VIRGINIA  
VIMS SPECIAL SCIENTIFIC REPT 44

DATA COLLECTIONS, ENERGY BUDGET, SEDIMENT LOAD, SESTON, THERMAL  
STRATIFICATION, YORK RIVER

\*\*\*\*\* SEDIMENT TRANSPORT

1967 NICHOLS MM, POOR G  
SEDIMENT TRANSPORT IN A COASTAL PLAIN ESTUARY  
AMER SOC CIVIL ENGRS 93(WW4), 83-95 (VIMS CONTR 231)

RAPPAHANNOCK RIVER, SEDIMENT TRANSPORT

1968 HAVEN DS, MORALES-ALAMO R  
OCCURRENCE AND TRANSPORT OF FAECAL PELLETS IN SUSPENSION IN A TIDAL  
ESTUARY  
SEDIMENTARY GEOLOGY 2, 141-151 (VIMS CONTR 264)

ANIMAL WASTES (WILDLIFE), BIODEPOSITION, JAMES RIVER, SEDIMENT TRANSPORT,  
THERMAL SPRINGS

1970 LUDWICK JC  
SAND WAVES AND TIDAL CHANNELS IN THE ENTRANCE TO CHESAPEAKE BAY  
OLD DOMINION UNIVERSITY, INSTITUTE OF OCEANOGRAPHY TECH REPORT 1

CHESAPEAKE BAY, SAND WAVES, SEDIMENT TRANSPORT, SLIME

\*\*\*\*\* SEDIMENTARY PETROLOGY

1912 CLARK WB, MILLER BL  
PHYSIOGRAPHY AND GEOLOGY OF THE COASTAL PLAIN PROVINCE OF VIRGINIA...  
VA GEOL SURVEY BULL 4

ATLANTIC COASTAL PLAIN, EARTH MATERIALS, GEOLOGIC FORMATIONS, GEOLOGY,  
GEOMORPHOLOGY, MINERAL INDUSTRY, PALEONTOLOGY, SEDIMENTARY PETROLOGY,  
VIRGINIA

1932 ROBERTS JK  
LOWER YORK-JAMES PENINSULA  
VA GEOL SURVEY BULL 37

GEOLOGIC INVESTIGATIONS, GEOMORPHOLOGY, JAMES RIVER, SEDIMENTARY  
PETROLOGY, YORK RIVER

1939 STOW MH  
REFLECTION OF PROVENANCE IN HEAVY MINERALS OF JAMES RIVER, VIRGINIA  
J SEDIMENTARY PETROLOGY 9, 86-91

JAMES RIVER, MINERALOGY, PROVENANCE, SEDIMENTARY PETROLOGY

1957 HACK JT  
SUBMERGED RIVER SYSTEM OF CHESAPEAKE BAY  
GEOL SOC AMERICA BULL 68, 817-830

BOREHOLE GEOPHYSICS, CHESAPEAKE BAY, PLEISTOCENE EPOCH, SEDIMENTARY  
PETROLOGY

1962 YOUNG DK  
CHEMISTRY OF CHESAPEAKE BAY SEDIMENTS  
VIMS THESIS

CHEMICAL ANALYSIS, CHESAPEAKE BAY, GEOCHEMISTRY, SEDIMENTARY PETROLOGY,  
SEDIMENTATION RATES

1965 HARRISON W ET AL  
POSSIBLE LATE PLEISTOCENE UPLIFT, CHESAPEAKE BAY ENTRANCE  
J GEOLOGY 73, 201-229

BOREHOLE GEOPHYSICS, CHESAPEAKE BAY, ELIZABETH RIVER, JAMES RIVER,  
PLEISTOCENE EPOCH, SEDIMENTARY PETROLOGY, THERMAL STRESS, YORK RIVER

1965 PHARR RF  
DIATOMACEOUS SEDIMENTS IN VIRGINIA  
VA MINERALS 11, 25-31

ATLANTIC COASTAL PLAIN, DIATOMACEOUS EARTH, SEDIMENTARY PETROLOGY,  
VIRGINIA

\*\*\*\*\* SEDIMENTATION

1968 O'BRIEN M  
MULTIPLE BAR SYSTEMS IN CHESAPEAKE BAY  
VIMS THESIS

CHESAPEAKE BAY, DEPOSITION (SEDIMENTS), SAND BARS, SEDIMENTATION

1971 VIRGINIA EROSION AND SEDIMENTATION CONTROL TASK FORCE  
REPORT OF TASK FORCE ON EROSION AND SEDIMENTATION CONTROL  
VIRGINIA GOVERNORS COUNCIL ON THE ENVIRONMENT

EROSION CONTROL, LEGAL ASPECTS, SEDIMENTATION, URBANIZATION, VIRGINIA

1972 SCHUBEL JR  
THE PHYSICAL AND CHEMICAL CONDITIONS OF CHESAPEAKE BAY--AN EVALUATION  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY, SPECIAL REPT 21

CHESAPEAKE BAY, DISSOLVED OXYGEN, NUTRIENTS, SALINITY, SEASONAL  
DISTRIBUTION, SEDIMENTATION, SHALLOW WELLS, SILVERSIDES



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1962 YOUNG DK  
CHEMISTRY OF CHESAPEAKE BAY SEDIMENTS  
VIMS THESIS

CHEMICAL ANALYSIS, CHESAPEAKE BAY, GEOCHEMISTRY, SEDIMENTARY PETROLOGY,  
SEDIMENTATION RATES

1968 WOLMAN MG  
THE CHESAPEAKE BAY--GEOLOGY AND GEOGRAPHY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 7-48

CHESAPEAKE BAY, HISTORY, PLEISTOCENE EPOCH, SEDIMENTATION RATES, THERMAL  
STRESS

## \*\*\*\*\* SEDIMENTS

1955 WHALEY HH, PRITCHARD DW  
PROJECT TUNNEL  
CHES BAY INST TUNNEL REPORTS 1-5, JOHNS HOPKINS UNIVERSITY

BRIDGE CONSTRUCTION, JAMES RIVER, SEDIMENTS, TUNNEL CONSTRUCTION

1962 HARRISON W  
PLEISTOCENE RECORD IN THE SUBSURFACE OF THE NORFOLK AREA, VIRGINIA  
VA ACAD SCIENCE GUIDEBOOK FOR FIELD TRIPS, NORFOLK MEETING-1962, 37-61

BOREHOLE GEOPHYSICS, CHESAPEAKE BAY, JAMES RIVER, MIOCENE EPOCH,  
PLEISTOCENE EPOCH, SEDIMENTS

1964 HARRISON W ET AL  
SEDIMENTS OF LOWER CHESAPEAKE BAY WITH EMPHASIS ON MASS PROPERTIES  
JOURNAL OF SEDIMENTARY PETROLOGY 34(4), 727-755

ANIMAL POPULATIONS, BENTHOS, SEDIMENT DISTRIBUTION, SEDIMENTS

1965 ELLISON R ET AL  
DISTRIBUTION OF RECENT FORAMINIFERA IN THE RAPPAHANNOCK RIVER ESTUARY  
VIMS SPECIAL SCIENTIFIC REPT 47

DATA COLLECTIONS, DISTRIBUTION, ESTUARIES, FORAMINIFERA, RAPPAHANNOCK  
RIVER, SEDIMENTS

1966 HAVEN DS, MORALES-ALAMO R  
USE OF FLUORESCENT PARTICLES TO TRACE OYSTER BIODEPOSITS IN MARINE  
SEDIMENTS  
VIMS CONTR 194

BIODEPOSITION, FLUORESCENCE, OYSTERS, SEDIMENTS

1967 HARRISON W, RICHARDS AM JR  
PLATE-LOAD TESTS ON SANDY MARINE SEDIMENTS, LOWER CHESAPEAKE BAY  
MARINE GEOTECHNIQUE. PROC INTERNATIONAL RESEARCH CONFERENCE ON MARINE  
GEOTECHNIQUE. AF RICHARDS ED. UNIV ILLINOIS

SEDIMENTS, VIRGINIA

1968 MONCURE R, NICHOLS M  
CHARACTERISTICS OF SEDIMENTS IN THE JAMES RIVER ESTUARY, VIRGINIA  
VIMS SPEC SCI REPT 53

CHEMICAL ANALYSIS, HYDROLOGIC PROPERTIES, JAMES RIVER, SEDIMENTS

1968 BOON JD III, MACINTYRE WG  
THE BORON-SALINITY RELATIONSHIP IN ESTUARINE SEDIMENTS OF THE  
RAPPAHANNOCK RIVER, VIRGINIA  
CHES SCI 9, 21-26 (VIMS CONTR 265)

BORON, CHEMICAL ANALYSIS, ESTUARIES, RAPPAHANNOCK RIVER, SALINITY,  
SEDIMENTS

## \*\*\*\*\* SEISMIC STUDIES

1937 EWING M ET AL  
GEOPHYSICAL INVESTIGATIONS IN THE EMERGED AND SUBMERGED ATLANTIC COASTAL  
PLAIN. PT 1-METHOD AND RESULTS  
GEOL SOC AMER BULL 48, 753-802

ATLANTIC COASTAL PLAIN, GEOPHYSICS, JAMES RIVER, SEISMIC STUDIES,  
TAILWATER

## \*\*\*\*\* SELF-PURIFICATION

1955 VELZ CJ  
REPORT ON SELF-PURIFICATION CAPACITIES LOWER JAMES RIVER HOPEWELL, VA  
NATL COUNCIL FOR STREAM IMPROVEMENT, SCHOOL OF PUBLIC HEALTH, UNIV  
MICHIGAN, UNPUBL MS

JAMES RIVER, SELF-PURIFICATION, WASTE ASSIMILATIVE CAPACITY

## \*\*\*\*\* SESTON

1961 PATTEN BC, WARINNER JE  
HYDROGRAPHIC, NUTRIENT, CHLOROPHYLL, SESTON AND CELL-COUNT DATA FROM  
CHESAPEAKE BAY CRUISES OF R  
PATHFINDER AND R/V OBSERVER/ VIMS SPEC SCIENTIFIC REPT 20

CHESAPEAKE BAY, CRUISES, HYDROLOGIC DATA, SAMPLING, NUTRIENTS,  
CHLOROPHYLL, SESTON, PHYTOPLANKTON

1962 PATTEN BC  
SYNOPTIC COMPARISON OF SESTON LOADS IN THE RAPPAHANNOCK, YORK AND JAMES  
RIVERS  
(VIMS MS)

CHEMICAL ANALYSIS, JAMES RIVER, RAPPAHANNOCK RIVER, SESTON, YORK RIVER

1963 PATTEN BC ET AL  
SUSPENDED PARTICULATE MATERIAL IN THE LOWER YORK RIVER, VIRGINIA  
VIMS SPECIAL SCIENTIFIC REPT 44

DATA COLLECTIONS, ENERGY BUDGET, SEDIMENT LOAD, SESTON, THERMAL  
STRATIFICATION, YORK RIVER

1965 BREHMER ML  
TURBIDITY AND SILTATION AS FORMS OF POLLUTION  
J SOIL AND WATER CONSERVATION 20(4), 132-133 (VIMS CONTR 196)

JUVENILE FISHES, SALINE WATER-FRESHWATER INTERFACESSESTON, SOIL ASPHALT,  
THERMAL SPRINGS, TURBIDITY

1966 BOND GC, MEADE RH  
SIZE DISTRIBUTIONS OF MINERAL GRAINS SUSPENDED IN CHESAPEAKE BAY AND  
NEARBY COASTAL WATERS  
CHESAPEAKE SCIENCE 7, 208-212

CHESAPEAKE BAY, DEPOSITION (SEDIMENTS), SESTON

1966 PATTEN BC  
THE BIOCOENETIC PROCESS IN AN ESTUARINE PHYTOPLANKTON COMMUNITY  
VIMS CONTR 160 C0011

CHLOROPHYLL, DIVERSIFICATION, ECOSYSTEMS, HYDROGRAPHY, LABORATORY TESTS,  
NUTRIENTS, PHYTOPLANKTON, PRODUCTIVITY, SESTON

1966 PATTEN BC ET AL  
VERTICAL DISTRIBUTION AND SINKING CHARACTERISTICS OF SESTON IN THE LOWER  
YORK RIVER, VIRGINIA  
CHES SCI 7, 20-29 (VIMS CONTR 209)

FLUCTUATION, INORGANIC COMPOUNDS, METHODOLOGY, ORGANIC MATTER,  
PHYTOPLANKTON, SESTON, YORK RIVER

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1916  
CITY OF HAMPTON V WATSON  
89 SE 81, 119 VA 95

BEDS UNDER WATER, LEGAL ASPECTS, POLLUTION ABATEMENT, SEWAGE

1918  
DARLING V CITY OF NEWPORT NEWS  
96 SE 307, 123 VA 14

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, POLLUTION  
ABATEMENT, RIPARIAN RIGHTS, SEWAGE

1932  
COMMONWEALTH V CITY OF NEWPORT NEWS  
164 SE 689

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, POLLUTION  
ABATEMENT, RIPARIAN RIGHTS, SEWAGE

\*\*\*\*\* SEWAGE DISPOSAL

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1969 VIRGINIA MARINE RESOURCES COMMISSION  
REQUEST OF CITY OF RICHMOND TO DUMP RAW SEWAGE INTO JAMES RIVER  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION-- 23SEPT

JAMES RIVER, SLUICE GATES

\*\*\*\*\* SEWAGE EFFLUENTS

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1968 PRITCHARD DW  
CHEMICAL AND PHYSICAL OCEANOGRAPHY OF THE BAY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 49-74

CHESAPEAKE BAY, CIRCULATION, EFFLUENTS, NUTRIENTS, SALINITY, SLURRIES,  
SMALL GAME

\*\*\*\*\* SEWAGE TREATMENT

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1968 PRITCHARD DW  
CHEMICAL AND PHYSICAL OCEANOGRAPHY OF THE BAY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
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CHESAPEAKE BAY, CIRCULATION, EFFLUENTS, NUTRIENTS, SALINITY, SLURRIES,  
SMALL GAME

1971 VIRGINIA GOVERNORS COUNCIL ON THE ENVIRONMENT  
THE STATE OF VIRGINIA'S ENVIRONMENT

AIR POLLUTION, EROSION CONTROL, MINE WASTES, MUNICIPAL WASTES, SMALL  
GAME, STRUCTURAL RELAXATION, VIRGINIA, WATER POLLUTION CONTROL

## \*\*\*\*\* SHARKS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 44-54

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SNOW COVER

## \*\*\*\*\* SHELLFISH

1948 ANDREWS E  
THE BOBE METHOD OF PICKING BLUE CRABS  
US FISH AND WILDLIFE SERVICE FISHERY LEAFLET 276

CRAB INDUSTRY, CRABS, SOCIAL ASPECTS

1951 ANDREWS JD, COCK C  
RANGE AND HABITAT OF THE CLAM, POLYMESODA CAROLINIANA (BOSC) IN  
VIRGINIA...  
ECOLOGY 32, 758-760 (VIMS CONTR 35)

CLAMS, DISTRIBUTION, HABITATS, JAMES RIVER, SOCIAL ASPECTS

1952 HOBBS HH, JR, MASSMANN WH  
RIVER SHRIMP, MACROBRACHIUM OHIONE (SMITH), IN VIRGINIA  
VA J SCIENCE 3, 206-207 (VIMS CONTR 40)

ECOLOGICAL DISTRIBUTION, JAMES RIVER, SOCIAL ASPECTS, SODIUM ARSENITE

1960 UNITED STATES NATIONAL MARINE FISHERIES SERVICE  
VIRGINIA LANDINGS  
(MONTHLY RELEASE)

CATCH, CHESAPEAKE BAY, COMMERCIAL FISH, MARKET VALUE, SOCIAL ASPECTS,  
VIRGINIA

1965 CHANLEY P  
LARVAL DEVELOPMENT OF THE BRACKISH WATER MACTRID CLAM, RANGIA CUNEATA  
CHESAPEAKE SCIENCE 6, 209-213 (VIMS CONTR 200)

CLAMS, JAMES RIVER, LARVAL GROWTH STAGE, SOCIAL ASPECTS

1965 HAVEN DS  
SUPPLEMENTAL FEEDING OF OYSTERS WITH STARCH  
CHES SCI 6, 43-51 (VIMS CONTR 166)

FOODS, OYSTERS, SOCIAL ASPECTS, STARCH

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1966 VAN ENGFL WA ET AL  
LOXOTHYLACUS PANOPAEI...AN INTRODUCED PARASITE ON A XANTHID CRAB IN  
CHESAPEAKE BAY  
CRUSTACEANA 10(1), 111-112

ANIMAL PARASITES, CHESAPEAKE BAY, CRABS, SOCIAL ASPECTS

1969  
CRABS (REGULATIONS)  
VA CODE, 1950, TITLE 28.1 C 6 28.1-165 TO 28.1-174

CRAB INDUSTRY, LEGAL ASPECTS, SOCIAL ASPECTS, VIRGINIA

1969  
OYSTERS, CLAMS AND OTHER BIVALVES (REGULATIONS)  
VA CODE, 1950, TITLE 28.1 C 5 28.1-82 TO 28.1-164

CLAM INDUSTRY, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA, LEGAL  
ASPECTS

1969  
ASSIGNMENTS OF PLANTING GROUNDS TO RIPARIAN OWNERS  
VA CODE, 1950, 28.1-108

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, OWNERSHIP OF BEDS, OYSTER  
INDUSTRY, SOCIAL ASPECTS, VIRGINIA

1969  
FISH, OYSTERS, SHELLFISH AND OTHER MARINE LIFE  
VA CODE, 1950 TITLE 28.1

CLAM INDUSTRY, CRAB INDUSTRY, FINFISH INDUSTRY, FISH MANAGEMENT, LEGAL  
ASPECTS, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA

1971 HOLDEN C  
CHESAPEAKE BAY  
SCIENCE 172, 825-827

ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, CONSERVATION, MARYLAND, NUCLEAR  
POWERPLANTS, SOCIAL ASPECTS, SIEVE ANALYSIS, VIRGINIA, WATER POLLUTION

## \*\*\*\*\* SHIPS

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1941 BREWINGTON MV  
CHESAPEAKE BAY BUGEYES  
MARINERS MUSEUM, NEWPORT NEWS, VIRGINIA, PUBLICATION 8

BOATS, CHESAPEAKE BAY, HISTORY, SOCIAL FUNCTION, OYSTER INDUSTRY

1953 BREWINGTON MY  
CHESAPEAKE BAY--A PICTORIAL MARITIME HISTORY  
CORNELL MARITIME PRESS, CAMBRIDGE, MARYLAND

CRAB INDUSTRY, FINANCING, HISTORY, OYSTER INDUSTRY, SOCIAL FUNCTION

\*\*\*\*\* SHORES

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1854  
FRENCH V BANKHEAD  
52 VA (11 GRATT) 136

CHESAPEAKE BAY, JAMES RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS, SOCIAL VALUES

1899  
WAVERLY WATER-FRONT AND IMPROVEMENT CO V WHITE ET AL  
33 SE 534, 97 VA 374

BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, RIPARIAN RIGHTS, SOCIAL VALUES

1912  
LAMBERTS POINT CO V NORFOLK AND W. RY CO  
74 SE 156, 113 VA 270

BULKHEAD LINE, ELIZABETH RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, RIPARIAN RIGHTS, SOCIAL VALUES

1931 EMBREY AT  
WATERS OF THE STATE  
RICHMOND, OLD DOMINION PRESS

BEDS UNDER WATER, LEGAL ASPECTS, NAVIGABLE WATERS, PUBLIC LANDS, RIPARIAN RIGHTS, SOCIAL VALUES, VIRGINIA

1932  
MILLER V COMMONWEALTH  
166 SE 557, 159 VA 924

JAMES RIVER, LEGAL ASPECTS, NAVIGABLE WATERS, PUBLIC LANDS, RIPARIAN RIGHTS, SOCIAL VALUES

1966 CULLER EO  
REAL PROPERTY- RIPARIAN RIGHTS  
UNIV RICHMOND LAW NOTES 2, 257-261

ELIZABETH RIVER, RIPARIAN RIGHTS, SOCIAL VALUES, LEGAL ASPECTS

\*\*\*\*\* SHRIMP

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1952 HOBBS HH, JR, MASSMANN WH  
RIVER SHRIMP, MACROBRACHIUM OHIONE (SMITH), IN VIRGINIA  
VA J SCIENCE 3, 206-207 (VIMS CONTR 40)

ECOLOGICAL DISTRIBUTION, JAMES RIVER, SOCIAL ASPECTS, SODIUM ARSENITE

1965 WILLIAMS AB  
MARINE DECAPOD CRUSTACEANS OF THE CAROLINAS  
US FISH AND WILDLIFE SERVICE FISHERY BULLETIN VOL 65 NO 1

CRABS, LOBSTERS, SODIUM ARSENITE

\*\*\*\*\* SILTING

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1965 BREHMER ML  
TURBIDITY AND SILTATION AS FORMS OF POLLUTION  
J SOIL AND WATER CONSERVATION 20(4), 132-133 (VIMS CONTR 196)

JUVENILE FISHES, SALINE WATER-FRESHWATER INTERFACES, SOIL ASPHALT, THERMAL SPRINGS, TURBIDITY

\*\*\*\*\* SILVERSIDES

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 187-192

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SOIL CEMENT

\*\*\*\*\* SKATES

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 55-72

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SOIL DENSITY

1969 CAMPBELL RA  
NEW SPECIES OF ACANTHOBOOTHRIUM (CESTODA--TETRAHYLLIDEA) FROM CHESAPEAKE BAY, VIRGINIA  
J PARASIT 55, 559-570 (VIMS CONTR 332)

ELASMOBRANCHES, HOSTS, PARASITISM, SOIL DENSITY, CHESAPEAKE BAY

## \*\*\*\*\* SNAILS

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1971 KUSHINS LJ, MANGUM CP  
RESPONSES TO LOW OXYGEN CONDITIONS IN TWO SPECIES OF THE MUD SNAIL  
NASSARIUS  
COMP BIOCHEM PHYSIOL 39A, 421-435

OXYGEN REQUIREMENTS, RESPIRATION, SOIL STABILIZATION

## \*\*\*\*\* SNAKES

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1950 CARROLL RP  
AMPHIBIA AND REPTILES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
195-211

AMPHIBIANS, CLASSIFICATION, FROGS, JAMES RIVER, REPTILES, SALAMANDERS,  
SOIL STERILANTS, TURTLES

## \*\*\*\*\* SOFT'CLAM

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1969 HAVEN DS  
LEVELS OF THE HERBICIDE DIQUAT IN TWO ESTUARINE MOLLUSCS AND IN THE WATER  
AND MUD  
VIRGINIA J SCIENCE 20, 51-53 (VIMS CONTR 308)

DIQUAT, HERBICIDES, OYSTERS, POTOMAC RIVER, SOFT'CLAM

1971 DUPAUL WD, WEBB KL  
FREE AMINO ACID ACCUMULATION IN ISOLATED GILL TISSUE OF MYA ARENARIA  
ARCH INT PHYSIOL BIOCHEM 79, 327-336 (VIMS CONTR 376)

AMINO ACIDS, BIOCHEMISTRY, MOLLUSKS, SOFT'CLAM

## \*\*\*\*\* SOUTH CAROLINA

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1937 MANSFIELD WC  
SOME DEEP WELLS NEAR THE ATLANTIC COAST IN VIRGINIA AND THE CAROLINAS  
US GEOL SURVEY PROF PAPER 186-1

ATLANTIC COASTAL PLAIN, DEEP-WELLS, JAMES RIVER, NORTH CAROLINA,  
STERILITY, SULFUR BACTERIA

## \*\*\*\*\* SPATIAL DISTRIBUTION

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1952 MASSMANN WH  
A PRELIMINARY STUDY OF SHAD, ALOSA SAPIDISSIMA (WILSON) SPAWNING IN SOME  
VIRGINIA RIVERS  
(VIMS THESIS)

ALOSIDS, AMERICAN SHAD, JAMES RIVER, MATTAPONI RIVER, PAMUNKEY RIVER,  
RAPPAHANNOCK RIVER, STOCKING

1967 MARSHALL HG  
PLANKTON IN JAMES RIVER ESTUARY, VIRGINIA. 1. PHYTOPLANKTON IN WILLOUGHBY  
BAY AND HAMPTON ROADS  
CHESAPEAKE SCIENCE 8, 90-101

JAMES RIVER, PHYTOPLANKTON, SEASONAL DISTRIBUTION, STOCKING

## \*\*\*\*\* SPAWNING

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1947 HOPKINS SH  
THE NEMERTEAN CARCINONEMERTES AS AN INDICATOR OF THE SPAWNING HISTORY OF  
THE HOST, CALLINECTES SAPIDUS  
J. PARASIT. 33(2), 146-150

CRABS, NEMERTEANS, STOKES LAW, VIRGINIA

1950 TRESSELT EF  
SPAWNING GROUNDS OF THE STRIPED BASS OR ROCK, ROCCUS SAXATILIS (WALBAUM),  
IN VIRGINIA  
(VIMS THESIS)

ESTUARIES, STOKES LAW, SURFACE TENSION, VIRGINIA

1951 MASSMANN WH  
CHARACTERISTICS OF SPAWNING AREAS OF SHAD...IN SOME VIRGINIA STREAMS  
AMER FISHERIES SOC TRANS 81, 78-93 (VIMS CONTR 39)

ALOSIDS, ANADROMOUS FISH, STOKES LAW, VIRGINIA

1952 TRESSELT EF  
SPAWNING GROUNDS OF THE STRIPED BASS OR ROCK, ROCCUS SAXATILIS (WALBAUM),  
IN VIRGINIA  
BINGHAM OCEANOGR COLL BULL 14(1), 98-110 (VIMS CONTR 41)

ESTUARIES, STOKES LAW, SURFACE TENSION, VIRGINIA

1964 JOSEPH FB ET AL  
SPAWNING OF THE COBIA, RACHYCENTRON CANADUM, IN THE CHESAPEAKE BAY AREA,  
WITH OBSERVATIONS OF JUVENILE SPECIMENS  
CHES SCI 5, 67-71 (VIMS CONTR 157)

CHESAPEAKE BAY, COBIA, EGGS, JUVENILE FISHES, SEASONAL DISTRIBUTION,  
STOKES LAW

1968 BEAL KL  
AGE AND GROWTH OF THE BLUEBACK HERRING ALOSA AESTIVALIS (MITCHILL)  
VIMS THESIS

ALOSIDS, BLUEBACK HERRING, GROWTH RATES, RAPPAHANNOCK RIVER, STOKES LAW

## \*\*\*\*\* SPECTROPHOTOMETRY

1951 CARRITT DE, CARPENTER JH  
AN EMPIRICAL CORRECTION FOR A SOURCE OF ERROR IN THE SPECTROPHOTOMETRIC  
DETERMINATION OF CHLOROPHYLL A  
CHES BAY INST TECH REPT 2

CHLOROPHYLL, PHYTOPLANKTON, STRAIN GAGES, THERMAL SPRINGS

## \*\*\*\*\* SPOIL BANKS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DISPOSAL OF SPOIL IN CONNECTION WITH MARINA IMPROVEMENT, FISHERMAN'S  
CREEK, LITTLE CREEK, CHESAPEAKE BAY  
MINUTES OF MEETINGS, 27 OCTOBER, 24 NOVEMBER

CHESAPEAKE BAY, DREDGING, MARINAS, STREAM FISHERIES

## \*\*\*\*\* SPORES

1958 FENG SY  
OBSERVATIONS ON DISTRIBUTION AND ELIMINATION OF SPORES OF NEMATOPSIS  
OSTREARUM IN OYSTERS  
NATL SHELLFISH ASSOC PROC 48, 162-173 (VIMS CONTR 88)

OYSTERS, PARASITISM, HISTOLOGICAL INVESTIGATIONS, STREAM GAGES, PROTOZOA,  
ANIMAL PARASITES

1966 BARROW JH ET AL  
FLUORESCENT-ANTIBODY STUDIES OF HAPLOSPORIDIAN PARASITES OF OYSTERS IN  
CHESAPEAKE AND DELAWARE BAY  
SCIENCE 153(3743), 1531-1533

ANIMAL PATHOLOGY, CHESAPEAKE BAY, DELAWARE, FLUORESCENCE, MSX, OYSTERS,  
STREAM GAGES

1969 ROSENFELD A, BUCHANAN L, CHAPMAN GB  
COMPARISON OF THE FINE STRUCTURE OF SPORES OF THREE SPECIES OF MINCHINIA  
(HAPLOSPORIDA, HAPLOSPORIDIIDAE)  
J PARASITOLOGY 55, 921-941

CHESAPEAKE BAY, MSX, OYSTERS, PARASITISM, STREAM GAGES

1969 PERKINS FO  
ELECTRON MICROSCOPE STUDIES OF SPORULATION IN THE OYSTER PATHOGEN,  
MINCHINIA COSTALIS (SPOROZOA, HAPLOSPORIDA)  
J PARASITOLOGY 55, 897-920 (VIMS CONTR 307)

ANIMAL PARASITES, JAMES RIVER, MICROORGANISMS, OYSTERS, STREAM GAGES,  
ELECTRON MICROSCOPY

## \*\*\*\*\* SPORT FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 216-234

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 234-236

CHESAPEAKE BAY, COBIA, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 244-247

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, WHITE PERCH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 247-249

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, SURFACE TENSION

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 317-321

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1949 MARSHALL N  
A SUMMARY STATEMENT OF THE STATUS OF OUR KNOWLEDGE OF THE MARINE  
FISHERIES OF VIRGINIA  
VIMS SPEC SCIENTIFIC REPT 4

BASS, CATCH, CHESAPEAKE BAY, CRABS, FISH POPULATIONS, OYSTERS, STREAM  
IMPROVEMENT

1966 FLEMER DA, WOOLCOTT WS  
FOOD HABITS AND DISTRIBUTION OF THE FISHES OF TUCKAHOE CREEK, VA., WITH  
SPECIAL EMPHASIS ON THE BLUEGILL...  
CHESAPEAKE SCIENCE 7, 75-89

FOOD HABITS, JAMES RIVER, STREAM IMPROVEMENT

1968 MCHUGH JL  
FISHERIES OF CHESAPEAKE BAY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 135-160

CATCH, CHESAPEAKE BAY, COMMERCIAL FISHING, FISHERIES, STREAM IMPROVEMENT

\*\*\*\*\* SPORT FISHING \*\*\*\*\*

1952 MASSMANN WH ET AL  
A BIOLOGICAL SURVEY OF THE RAPPAHANNOCK RIVER, VA.  
VIMS SPEC SCIENTIFIC REPT 6

CHESAPEAKE BAY, COMMERCIAL FISHING, EFFLUENTS, FISHERIES, RAPPAHANNOCK  
RIVER, STREAM STABILIZATION

1963 FRISBIE CM, RITCHIE DE JR  
SPORT FISHING SURVEY OF THE LOWER POTOMAC ESTUARY, 1959-1961  
CHES SCI 4, 175-191 (CONTR 250, NAT RESOURCES INST, MD UNIV)

POTOMAC RIVER, STREAM STABILIZATION

1965 RICHARDS CE  
AVAILABILITY PATTERNS OF MARINE FISHES CAUGHT BY CHARTER BOATS OPERATING  
OFF VIRGINIA'S EASTERN SHORE, 1955-1962  
CHES SCI 6, 96-108 (VIMS CONTR 184)

CATCH, EASTERN SHORE (VA-MD), STREAM STABILIZATION

1971 WORLEY O  
MUSKIES GO WILD ON THE JAMES  
VA WILDLIFE 32, 6-7,21

FRESHWATER FISH, JAMES RIVER, STREAM STABILIZATION

\*\*\*\*\* SPOT \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-276

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAMBEDS

1964 RUTHERFORD C  
EFFECTS OF COPPER SULFATE ON SPOT, LEIOSTOMUS XANTHURUS  
VIMS THESIS

BIOASSAY, COMMERCIAL FISH, COPPER SULFATE, STREAMBEDS, YORK RIVER

\*\*\*\*\* SPOTTED SEA TROUT \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 296-299

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAMFLOW FORECASTING

\*\*\*\*\* STARCH \*\*\*\*\*

1965 HAVEN DS  
SUPPLEMENTAL FEEDING OF OYSTERS WITH STARCH  
CHES SCI 6, 43-51 (VIMS CONTR 166)

FOODS, OYSTERS, SOCIAL ASPECTS, STARCH

1971 HARLESTON KR  
THE FEEDING OF CORNSTARCH TO CLAMS AND MUSSELS  
VIMS THESIS

CLAMS, GLYCOGEN, MUSSELS, NUTRITION, STARCH, GLYCOGEN

\*\*\*\*\* STATE GOVERNMENTS \*\*\*\*\*

1971 GOODELL HG ET AL  
THE POTENTIAL OF REMOTE SENSING AS A DATA BASE FOR STATE AGENCIES--THE  
VIRGINIA MODEL  
UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA. (NATL TECH INFO SERV NO PB  
200990)

DECISION MAKING, PLANNING, REMOTE SENSING, RESOURCE ALLOCATION,  
STRUCTURAL MODELS, VIRGINIA

1971 HARGIS WJ JR, LYNCH MP  
VIRGINIA STATE AGENCIES CONCERNED WITH COASTAL ZONE PLANNING, MANAGEMENT,  
OR SCIENTIFIC AND ENGINEERING ACTIVITIES  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 14 (2ND EDITION)

ADMINISTRATIVE AGENCIES, COASTS, MANAGEMENT, STRUCTURAL MODELS, VIRGINIA

\*\*\*\*\* STATE JURISDICTION \*\*\*\*\*

1970 POWER G  
CHESAPEAKE BAY IN LEGAL PERSPECTIVE  
US FEDERAL WATER POLLUTION CONTROL ADMINISTRATION NO. 1

CHESAPEAKE BAY, HISTORY, LEGAL ASPECTS, RIPARIAN RIGHTS, STRUCTURAL  
RELAXATION

1970 VIRGINIA DIVISION OF WATER RESOURCES  
 WATER RESOURCES LEGISLATIVE CONCERNS OF THE BOARD OF CONSERVATION AND  
 ECONOMIC DEVELOPMENT, COMMONWEALTH OF VIRGINIA  
 RICHMOND, VIRGINIA

LEGISLATION, STRUCTURAL RELAXATION, WATER DEMAND, WATER MANAGEMENT  
 (APPLIED), WATERSHEDS (BASINS)

1971 VIRGINIA GOVERNORS COUNCIL ON THE ENVIRONMENT  
 THE STATE OF VIRGINIA'S ENVIRONMENT

AIR POLLUTION, EROSION CONTROL, MINE WASTES, MUNICIPAL WASTES, SMALL  
 GAME, STRUCTURAL RELAXATION, VIRGINIA, WATER POLLUTION CONTROL

\*\*\*\*\* STATIONS \*\*\*\*\*

1961 PATTEN BC, LACEY JR  
 DISTRIBUTION OF AMMONIA NITROGEN IN THE LOWER YORK RIVER, VIRGINIA  
 VIMS SPECIAL SCIENTIFIC REPT 25

AMMONIA, DATA COLLECTIONS, DISTRIBUTION, NITRATES, SALINATION, STRUCTURAL  
 SHAPES, YORK RIVER

\*\*\*\*\* STATISTICAL METHODS \*\*\*\*\*

1938 MCGAUHEY PH  
 HYDROLOGY OF VIRGINIA. PT 1-ANNUAL RAINFALL AND STREAM FLOW STUDIES WITH  
 AN INTRODUCTION TO STATISTICAL METHODS OF ANALYSIS  
 VA POLYTECHNIC INST BULL 31(6)

HYDROLOGIC DATA, RAINFALL, STRUCTURAL STABILITY, SUPERIMPOSED DRAINAGE,  
 VIRGINIA

1963 FOURNIER RO  
 NUTRIENT LIMITATION OF PRIMARY PRODUCTION IN THE YORK RIVER, VA.  
 VIMS THESIS

PHYTOPLANKTON, STRUCTURAL STABILITY, YORK RIVER, PRIMARY PRODUCTIVITY

\*\*\*\*\* STATISTICS \*\*\*\*\*

1953 PRITCHARD DW, KENT RE  
 REDUCTION AND ANALYSIS OF DATA FROM JAMES RIVER OPERATION OYSTER SPAT  
 CHES BAY INST TECH REPT 6

DATA COLLECTIONS, JAMES RIVER, SALINITY, STRUCTURE, THERMAL RADIATION

1969 SHANHOLTZ MI  
 ANNUAL REPORT DEPARTMENT OF HEALTH  
 VIRGINIA DEPARTMENT OF HEALTH, RICHMOND, VIRGINIA

ADMINISTRATIVE AGENCIES, STRUCTURE

1970 SHANHOLTZ MI  
 ANNUAL REPORT 1970  
 VIRGINIA DEPARTMENT OF HEALTH, RICHMOND, VIRGINIA

ADMINISTRATIVE AGENCIES, STRUCTURE

\*\*\*\*\* STICKLEBACKS \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
 FISHES OF CHESAPEAKE BAY  
 US BUR FISH BULL 43, PART 1, 178-187

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
 FISH, SUBSIDENCE

\*\*\*\*\* STINGING NETTLES \*\*\*\*\*

1970 RICE NE, POWELL WA  
 OBSERVATIONS ON THREE SPECIES OF JELLYFISHES FROM CHESAPEAKE BAY WITH  
 SPECIAL REFERENCE TO THEIR TOXINS  
 BIOL BULL 139, 180-187

CHESAPEAKE BAY, INVERTEBRATES, JELLYFISH, SUBSTATIONS (ELECTRICAL),  
 TOXINS

1971 PERKINS FO ET AL  
 THE ULTRASTRUCTURE OF FISHING TENTACLE MUSCLE IN THE JELLYFISH CHRYSAORA  
 QUINQUECIRRHA--A COMPARISON OF CONTRACTED AND RELAXED STATES  
 J ULTRASTRUCTURE RESEARCH 35, 431- 450 (VIMS CONTR 374)

JELLYFISH, SUBSTATIONS (ELECTRICAL), SWANS, HISTOLOGICAL INVESTIGATIONS,  
 SCYPHOZOA

\*\*\*\*\* STORMS \*\*\*\*\*

1940 MCGAUHEY PH, SNYDER HB, JR  
 HYDROLOGY OF VIRGINIA. PT 2-FLOOD STUDIES, STORMS THAT HAVE CAUSED GREAT  
 FLOODS, GREAT RAINFALLS  
 VA POLYTECHNIC INSTITUTE BULL 33(10)

FLOODS, HYDROLOGIC DATA, RAINFALL, SULFATES, VIRGINIA

\*\*\*\*\* STRATIGRAPHY \*\*\*\*\*

1878 HEINRICH DJ  
 MESOZOIC FORMATION IN VIRGINIA  
 AMER INST MINING ENGINEERS TRANS 6, 227-274

COALS, ECONOMICS, GEOLOGIC FORMATIONS, MESOZOIC ERA, PALEONTOLOGY, SULFUR  
 BACTERIA



1895 WARD LF  
THE POTOMAC FORMATION  
US GEOL SURV 15TH ANN REPT, 313-397

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, PALEONTOLOGY, PLANTS, SULFUR BACTERIA

1928 MANSFIELD WC  
NEW FOSSIL MOLLUSKS FROM THE MIOCENE OF VIRGINIA AND NORTH CAROLINA, WITH A BRIEF OUTLINE OF THE DIVISIONS OF THE CHESAPEAKE GROUP  
US NATL MUSEUM PROC 74, ARTICLE 14

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, MIOCENE EPOCH, MOLLUSKS, NORTH CAROLINA, PALEONTOLOGY, SULFUR BACTERIA, VIRGINIA

1930 ANDEREGG F  
STRATIGRAPHY AND PALEONTOLOGY OF THE YORKTOWN FORMATION OF VIRGINIA  
UNIVERSITY OF VA MASTERS THESIS

GEOLOGIC FORMATIONS, JAMES RIVER, PALEONTOLOGY, SULFUR BACTERIA, YORK RIVER

1930 WENTWORTH CK  
SAND AND GRAVEL RESOURCES OF THE COASTAL PLAIN OF VIRGINIA  
VA GEOL SURVEY BULL 32

ATLANTIC COASTAL PLAIN, GRAVELS, SANDS, SULFUR BACTERIA, VIRGINIA

1937 MANSFIELD WC  
SOME DEEP WELLS NEAR THE ATLANTIC COAST IN VIRGINIA AND THE CAROLINAS  
US GEOL SURVEY PROF PAPER 186-1

ATLANTIC COASTAL PLAIN, DEEP-WELLS, JAMES RIVER, NORTH CAROLINA, STERILITY, SULFUR BACTERIA

1939 BROWN WR  
COASTAL PLAIN GEOLOGY OF THE RICHMOND AREA, VIRGINIA  
UNIV OF VA MASTERS THESIS

ATLANTIC COASTAL PLAIN, CHICKAHOMINY RIVER, ECONOMICS, GEOLOGIC FORMATIONS, JAMES RIVER, PAMUNKEY RIVER, SULFUR BACTERIA, BINDERS

1935 MCGAVOCK CB, JR  
DESCRIPTIONS OF THE MAJORITY OF THE PELECYPODS OF THE YORKTOWN FORMATION OF VIRGINIA  
UNIV OF VA MASTERS THESIS

GEOLOGIC FORMATIONS, JAMES RIVER, MOLLUSKS, PALEONTOLOGY, SULFUR BACTERIA, YORK RIVER

1943 GARDNER J  
MOLLUSCA FROM THE MIOCENE AND LOWER PLIOCENE OF VIRGINIA AND NORTH CAROLINA. PT 1-PELECYPODA  
US GEOL SURVEY PROF PAPER 199-A

MOLLUSKS, NORTH CAROLINA, PALEONTOLOGY, SULFUR BACTERIA, SHELLFISH, VIRGINIA

1953 MALKIN DS  
BIOSTRATIGRAPHIC STUDY OF MIOCENE OSTRACODA OF NEW JERSEY, MARYLAND, AND VIRGINIA  
J PALEONTOLOGY 27, 761-799

ATLANTIC COASTAL PLAIN, MIOCENE EPOCH, OSTRACODS, PALEONTOLOGY, SULFUR BACTERIA

1956 MCLEAN JD, JR  
FORAMINIFERA OF THE YORKTOWN FORMATION IN THE YORK-JAMES PENINSULA, WITH NOTES ON THE ASSOCIATED MOLLUSKS  
BULLS AM PALEONTOLOGY 36, 255-394

FORAMINIFERA, GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, MOLLUSKS, PALEONTOLOGY, SULFUR BACTERIA, YORK RIVER

1957 MCLEAN JD, JR  
OSTRACODA OF THE YORKTOWN FORMATION IN THE YORK-JAMES PENINSULA OF VIRGINIA...  
BULLS AM PALEONTOLOGY 38, 57-103

GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, OSTRACODS, PALEONTOLOGY, SULFUR BACTERIA, YORK RIVER

1960 SABOL JW  
THE MICROFAUNA OF THE YORKTOWN FORMATION FROM JAMES RIVER, SURRY COUNTY, VIRGINIA  
BULLS AM PALEONTOLOGY 41, 211-245

FORAMINIFERA, GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, MOLLUSKS, OSTRACODS, PALEONTOLOGY, SULFUR BACTERIA

1960 CONNELL JFL  
CATALOG OF TYPE LOCALITIES OF COASTAL PLAIN STRATIGRAPHIC UNITS  
SOUTHEASTERN GEOL 2, 49-126

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, GULF COASTAL PLAIN, SULFUR BACTERIA

1962 GIBSON TG  
BENTHONIC FORAMINIFERA AND PALEOECOLOGY OF THE MIOCENE DEPOSITS OF THE MIDDLE ATLANTIC COASTAL PLAIN  
PRINCETON DISSERTATION

ATLANTIC COASTAL PLAIN, FORAMINIFERA, MIOCENE EPOCH, PALEONTOLOGY, SULFUR BACTERIA

1962 RUHLE JL  
GUIDEBOOK TO THE COASTAL PLAIN OF VIRGINIA NORTH OF THE JAMES RIVER  
VA DIV MINERAL RESOURCES INFORMATION CIRCULAR 6

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, GEOLOGY, GEOMORPHOLOGY,  
JAMES RIVER, SULFUR BACTERIA, VIRGINIA

1962 CONNELL JFL  
CATALOG OF TYPE LOCALITIES OF COASTAL PLAIN STRATIGRAPHIC UNITS--SUPPL  
CATALOG  
SOUTHEASTERN GEOL 4, 1-78

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, GULF COASTAL PLAIN, SULFUR  
BACTERIA

1964 OAKS RO JR  
POST-MIOCENE STRATIGRAPHY AND MORPHOLOGY, OUTER COASTAL PLAIN,  
SOUTHEASTERN VIRGINIA  
YALE DISSERTATION, ALSO US OFF NAVAL RESEARCH GEOG BRANCH, TECH REPT 5,  
CONTRACT NONR 609(40)

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, GEOMORPHOLOGY, JAMES RIVER,  
PLEISTOCENE EPOCH, SULFUR BACTERIA

1965 COCH NK  
POST-MIOCENE STRATIGRAPHY AND MORPHOLOGY, INNER COASTAL PLAIN  
SOUTHEASTERN VIRGINIA  
YALE DISSERTATION, ALSO US OFF NAVAL RESEARCH GEOG BRANCH, TECH REPT 6,  
CONTRACT NONR 609(40)

ATLANTIC COASTAL PLAIN, ELIZABETH RIVER, GEOLOGIC FORMATIONS,  
GEOMORPHOLOGY, JAMES RIVER, PLEISTOCENE EPOCH, SULFUR BACTERIA

1966 MCLEAN JD JR  
MIOCENE AND PLEISTOCENE FORAMINIFERA AND OSTRACODA OF SOUTHEASTERN  
VIRGINIA  
VA DIV MINERAL RESOURCES REPORT OF INVESTIGATIONS 9

CHESAPEAKE BAY, FORAMINIFERA, JAMES RIVER, MIOCENE EPOCH, OSTRACODS,  
PALEONTOLOGY, PLEISTOCENE EPOCH, SULFUR BACTERIA, YORK RIVER

1968 COCH NK  
GEOLOGY OF THE BENNS CHURCH, SMITHFIELD, WINDSOR, AND CHUCKATUCK  
QUADRANGLES, VIRGINIA  
A DIV MINERAL RES., REPT OF INVESTIGATIONS 17

DEPOSITION (SEDIMENTS), GEOLOGIC INVESTIGATIONS, GEOMORPHOLOGY, JAMES  
RIVER, SULFUR BACTERIA

1969 BICK KF, COCH NK  
GEOLOGY OF THE WILLIAMSBURG, HOG ISLAND, AND BACONS CASTLE QUADRANGLES,  
VIRGINIA  
VA DIV MINERAL RESOURCES, REPORT OF INVESTIGATIONS 18

DEPOSITION (SEDIMENTS), GEOLOGIC INVESTIGATIONS, GEOMORPHOLOGY, JAMES  
RIVER, SULFUR BACTERIA

1969 JOHNSON GH  
GUIDEBOOK TO THE GEOLOGY OF THE LOWER YORK-JAMES PENINSULA AND SOUTH BANK  
OF THE JAMES RIVER  
COLLEGE OF WILLIAM AND MARY, DEPT OF GEOLOGY GUIDEBOOK 1

GEOLOGIC FORMATIONS, GEOLOGY, GEOMORPHOLOGY, JAMES RIVER, SULFUR  
BACTERIA, YORK RIVER

\*\*\*\*\* STREAM GAGES

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1961 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, POTOMAC, RAPPAHANNOCK, AND YORK RIVER  
BASINS 1956-1960  
VIRGINIA DIVISION OF WATER RESOURCES BULL 24

POTOMAC RIVER, RAPPAHANNOCK RIVER, SUN, SUPERIMPOSED DRAINAGE, THEIR  
EQUATION, YORK RIVER

\*\*\*\*\* STREAMFLOW

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1927 DIRZULAITIS JJ, STEVENS GC  
WATER RESOURCES OF VIRGINIA  
VA GEOL SURVEY BULL 31

DISCHARGE (WATER), SUPERIMPOSED DRAINAGE, TANGIBLE COSTS, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER RESOURCES, WATER RESOURCES DEVELOPMENT

1938 MCGAUHEY PH  
HYDROLOGY OF VIRGINIA. PT 1-ANNUAL RAINFALL AND STREAM FLOW STUDIES WITH  
AN INTRODUCTION TO STATISTICAL METHODS OF ANALYSIS  
VA POLYTECHNIC INST BULL 31(6)

HYDROLOGIC DATA, RAINFALL, STRUCTURAL STABILITY, SUPERIMPOSED DRAINAGE,  
VIRGINIA

1944 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1927-1942  
VA DIV WATER RESOURCES AND POWER BULL 5

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
THERMAL CONDUCTIVITY

1957 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1951-1955  
VA DIV WATER RESOURCES AND POWER BULL 17

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
THERMAL CONDUCTIVITY

1959 UNITED STATES GEOLOGICAL SURVEY  
STREAM DISCHARGE ENTERING CHESAPEAKE BAY  
USGS (MONTHLY RELEASES)

CHESAPEAKE BAY, DISCHARGE (WATER), SUPERIMPOSED DRAINAGE, TRIBUTARIES

1961 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1956-1960  
VA DIV WATER RESOURCES AND POWER BULL 25

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
THERMAL CONDUCTIVITY

1961 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, POTOMAC, RAPPAHANNOCK, AND YORK RIVER  
BASINS 1956-1960  
VIRGINIA DIVISION OF WATER RESOURCES BULL 24

POTOMAC RIVER, RAPPAHANNOCK RIVER, SUN, SUPERIMPOSED DRAINAGE, THEIR  
EQUATION, YORK RIVER

1969 UNITED STATES GEOLOGICAL SURVEY. WATER RESOURCES DIVISION  
VIRGINIA WATER RESOURCES SUMMARY  
(MONTHLY RELEASE) RICHMOND, US GEOL SURVEY IN COOPERATION WITH VA DIV OF  
WATER RESOURCES

GROUNDWATER, RESERVOIRS, SUPERIMPOSED DRAINAGE, VIRGINIA, WATER  
TEMPERATURE

1970 VIRGINIA BOARD OF CONSERVATION AND ECONOMIC DEVELOPMENT  
ANNUAL REPORT TO THE GOVERNOR...ON THE STATUS OF VIRGINIA'S WATER  
RESOURCES 1969-70  
RICHMOND, REPORT OF THE BOARD

FLOOD DAMAGE, SUPERIMPOSED DRAINAGE, THERMAL CONDUCTIVITY, VIRGINIA,  
WATER POLICY

1970 VIRGINIA DIVISION OF WATER RESOURCES  
FLOW CHARACTERISTICS OF VIRGINIA STREAMS  
VA DIVISION OF WATER RESOURCES BASIC DATA BULL 34

DISCHARGE MEASUREMENT, JAMES RIVER, SUPERIMPOSED DRAINAGE, VIRGINIA

1971 MIRI JA  
SOME PROBLEMS OF WATER RESOURCE MANAGEMENT IN VIRGINIA--A PRELIMINARY  
EXAMINATION  
DEPT OF GOVERNMENT, COLLEGE OF WILLIAM AND MARY

LEGAL ASPECTS, RIPARIAN RIGHTS, SUPERIMPOSED DRAINAGE, VIRGINIA, WATER  
DEMAND, WATER MANAGEMENT (APPLIED)

\*\*\*\*\* STRIPED BASS

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 247-249

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, SURFACE TENSION

1950 TRESSELT EF  
SPAWNING GROUNDS OF THE STRIPED BASS OR ROCK, ROCCUS SAXATILIS (WALBAUM),  
IN VIRGINIA  
(VIMS THESIS)

ESTUARIES, STOKES LAW, SURFACE TENSION, VIRGINIA

1952 TRESSELT EF  
SPAWNING GROUNDS OF THE STRIPED BASS OR ROCK, ROCCUS SAXATILIS (WALBAUM),  
IN VIRGINIA  
BINGHAM OCEANOGR COLL BULL 14(1), 98-110 (VIMS CONTR 41)

ESTUARIES, STOKES LAW, SURFACE TENSION, VIRGINIA

1961 MASSMANN WH, PACHECO AL  
MOVEMENTS OF STRIPED BASS TAGGED IN VIRGINIA WATERS OF CHESAPEAKE BAY  
CHESAPEAKE SCIENCE 2, 37-44 (VIMS CONTR 97)

FISH MIGRATION, JAMES RIVER, RAPPAHANNOCK RIVER, SURFACE TENSION, YORK  
RIVER

1967-GRANT GC  
ANADROMOUS FISH PROJECT, ESTIMATION OF PARAMETERS OF STRIPED BASS  
POPULATIONS AND DESCRIPTION OF THE FISHERY OF LOWER CHESAPEAKE BAY  
UNPUBL PROG REPTS, VIMS, 1967--

ANADROMOUS FISH, JAMES RIVER, RAPPAHANNOCK RIVER, SURFACE TENSION, YORK  
RIVER

1968 GRANT GC, JOSEPH EB  
COMPARATIVE STRENGTH OF THE 1966 YEAR CLASS OF STRIPED BASS...IN THREE  
VIRGINIA RIVERS  
VIMS CONTR 290

CATCH, JAMES RIVER, RAPPAHANNOCK RIVER, SURFACE TENSION, YORK RIVER

1970 MARKLE DF, GRANT GC  
THE SUMMER FOOD HABITS OF YOUNG-OF-THE YEAR STRIPED BASS IN THREE  
VIRGINIA RIVERS  
CHES SCI 11, 50-54 (VIMS CONTR 321)

FOOD HABITS, SURFACE TENSION, VIRGINIA

1970 GRANT GC ET AL  
AGE COMPOSITION AND MAGNITUDE OF STRIPED BASS WINTER GILL-NET CATCHES IN  
THE RAPPAHANNOCK RIVER, 1967-1970  
SE ASSOC GAME FISH COMM, 24TH CONF PROC, 659-667 (VIMS CONTR 399)

CATCH, COMMERCIAL FISHING, RAPPAHANNOCK RIVER, SURFACE TENSION

1971 KERBY JH ET AL  
OCCURRENCE AND GROWTH OF STRIPED BASS-WHITE BASS HYBRIDS IN THE  
RAPPAHANNOCK RIVER, VIRGINIA  
TRANS AMER FISH SOC 100, 787-790 (VIMS CONTR 370)

RAPPAHANNOCK RIVER, SURFACE TENSION, HYBRID, WHITE BASS

\*\*\*\*\* STRUCTURAL GEOLOGY \*\*\*\*\*

1945 CEDERSTROM DJ  
STRUCTURAL GEOLOGY OF SOUTHEASTERN VIRGINIA  
AMER ASSOC PETROLEUM GEOLOGISTS BULL 29, 71-95

JAMES RIVER, MAGNETIC STUDIES, SURPLUS WATER, YORK RIVER

\*\*\*\*\* STRUCTURE \*\*\*\*\*

1971 PERKINS FO ET AL  
THE ULTRASTRUCTURE OF FISHING TENTACLE MUSCLE IN THE JELLYFISH CHRYSAORA  
QUINQUECIRRHA--A COMPARISON OF CONTRACTED AND RELAXED STATES  
J ULTRASTRUCTURE RESEARCH 35, 431- 450 (VIMS CONTR 374)

JELLYFISH, SUBSTATIONS (ELECTRICAL), SWANS, HISTOLOGICAL INVESTIGATIONS,  
SCYPHOZOA

\*\*\*\*\* SUBSURFACE INVESTIGATIONS \*\*\*\*\*

1937 EWING M ET AL  
GEOPHYSICAL INVESTIGATIONS IN THE EMERGED AND SUBMERGED ATLANTIC COASTAL  
PLAIN. PT 1-METHOD AND RESULTS  
GEOL SOC AMER BULL 48, 753-802

ATLANTIC COASTAL PLAIN, GEOPHYSICS, JAMES RIVER, SEISMIC STUDIES,  
TAILWATER

\*\*\*\*\* SUBSURFACE WATERS \*\*\*\*\*

1913 SANFORD S  
UNDERGROUND WATER RESOURCES OF THE COASTAL PLAIN PROVINCE OF VIRGINIA  
VA GEOL SURVEY BULL 5

ATLANTIC COASTAL PLAIN, GROUNDWATER, TANGIBLE COSTS, VIRGINIA, WATER  
WELLS

1927 DIRZULAITIS JJ, STEVENS GC  
WATER RESOURCES OF VIRGINIA  
VA GEOL SURVEY BULL 31

DISCHARGE (WATER), SUPERIMPOSED DRAINAGE, TANGIBLE COSTS, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER RESOURCES, WATER RESOURCES DEVELOPMENT

\*\*\*\*\* SUCKERS \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 117-120

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TARIFF

\*\*\*\*\* SUMMER \*\*\*\*\*

1954 WOOD JT, GOODWIN OK  
OBSERVATIONS ON THE SUMMER BEHAVIOR AND MORTALITY OF BOX TURTLES IN  
EASTERN VIRGINIA  
VA J OF SCIENCE 5, 60-64

JAMES RIVER, MORTALITY, TEMPORAL DISTRIBUTION, TURTLES, YORK RIVER

\*\*\*\*\* SUNFISHES \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 238-244

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TENSILE  
STRESS

\*\*\*\*\* SURFACE RUNOFF \*\*\*\*\*

1961 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, POTOMAC, RAPPAHANNOCK, AND YORK RIVER  
BASINS 1956-1960  
VIRGINIA DIVISION OF WATER RESOURCES BULL 24

POTOMAC RIVER, RAPPAHANNOCK RIVER, SUN, SUPERIMPOSED DRAINAGE, THEIR  
EQUATION, YORK RIVER

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1965 UNITED STATES GEOLOGICAL SURVEY  
WATER RESOURCES DATA FOR VIRGINIA--1968  
WATER RESOURCES DIVISION

DISCHARGE (WATER), GAGING STATIONS, THIS EQUATION, VIRGINIA, WATER  
QUALITY, WATER SUPPLY

1969 UNITED STATES GEOLOGICAL SURVEY  
WATER RESOURCES DATA FOR VIRGINIA--1968  
WATER RESOURCES DIVISION

DISCHARGE (WATER), GAGING STATIONS, THIS EQUATION, VIRGINIA, WATER  
QUALITY, WATER SUPPLY

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 227

CLIMATIC DATA, FLOW CHARACTERISTICS, GROUNDWATER, HYDROLOGIC ASPECTS,  
LONG-TERM PLANNING, RIVER BASINS, THIS EQUATION, YORK RIVER

1971 ELDER RB  
THE EFFECT OF RUN-OFF FROM HURRICANE CAMILLE ON THE CONTINENTAL SHELF  
WATERS OF THE CHESAPEAKE BIGHT  
VIMS THESIS

DISCHARGE (WATER), HURRICANES, JAMES RIVER, THIS EQUATION, YORK RIVER

\*\*\*\*\* SURFACE WATERS

\*\*\*\*\*

1927 DIRZULAITIS JJ, STEVENS GC  
WATER RESOURCES OF VIRGINIA  
VA GEOL SURVEY BULL 31

DISCHARGE (WATER), SUPERIMPOSED DRAINAGE, TANGIBLE COSTS, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER RESOURCES, WATER RESOURCES DEVELOPMENT

1932 COLLINS WD ET AL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA  
VA DIVISION OF WATER RESOURCES AND POWER BULL 3

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER UTILIZATION

1930 COLLINS WD ET AL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA-PRELIM REPT  
VA DIV OF WATER RESOURCES AND POWER BULL 2

CHEMICAL ANALYSIS, JAMES RIVER, SEDIMENT LOAD, THERMAL CONDUCTIVITY,  
VIRGINIA

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1944 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1927-1942  
VA DIV WATER RESOURCES AND POWER BULL 5

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
THERMAL CONDUCTIVITY

1947 LAMAR WL, WHETSTONE GW  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1945-1946  
VA DIVISION OF WATER RESOURCES AND POWER BULL 8

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1952 WHETSTONE GW, MCAVOY RL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1946-1948  
VA DIVISION OF WATER RESOURCES BULL 11

CHEMICAL ANALYSIS, DISCHARGE (WATER), JAMES RIVER, SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 CONNOR JG, SCHROEDER ME  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1948-1951  
VA DIVISION OF WATER RESOURCES BULL 20

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 KAPUSTKA SF  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1954-1956  
VA DIVISION OF WATER RESOURCES BULL 22

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 SCHROEDER ME, KAPUSTKA SF  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1951-1954  
VA DIVISION OF WATER RESOURCES BULL 21

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1951-1955  
VA DIV WATER RESOURCES AND POWER BULL 17

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
THERMAL CONDUCTIVITY

1960 VIRGINIA DIV OF WATER RESOURCES  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA AUG 1958-FEB 1960  
VA DIV WATER RESOURCES BULL 23

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1961 VIRGINIA DIVISION OF WATER RESOURCES  
SURFACE WATER SUPPLY OF VIRGINIA, JAMES RIVER BASIN 1956-1960  
VA DIV WATER RESOURCES AND POWER BULL 25

DISCHARGE MEASUREMENT, DRAINAGE, JAMES RIVER, SUPERIMPOSED DRAINAGE,  
THERMAL CONDUCTIVITY

1970 VIRGINIA BOARD OF CONSERVATION AND ECONOMIC DEVELOPMENT  
ANNUAL REPORT TO THE GOVERNOR...ON THE STATUS OF VIRGINIA'S WATER  
RESOURCES 1969-70  
RICHMOND, REPORT OF THE BOARD

FLOOD DAMAGE, SUPERIMPOSED DRAINAGE, THERMAL CONDUCTIVITY, VIRGINIA,  
WATER POLICY

1970 MUNDAY WG JR ET AL  
OIL SLICK MOTION NEAR CHESAPEAKE BAY ENTRANCE  
WATER RESOURCES BULL 6(6), 879-884 (VIMS CONTR 357)

CHESAPEAKE BAY, CURRENTS (WATER), OILY WATER, THERMAL CONDUCTIVITY,  
WINDS, POLLUTANTS

1970 VIRGINIA DIVISION OF WATER RESOURCES  
RAPPAHANNOCK RIVER BASIN, COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 219

AGRICULTURE, ECONOMICS, LONG-TERM PLANNING, RAPPAHANNOCK RIVER,  
RECREATION, RIVER BASINS, THERMAL CONDUCTIVITY, WATER RESOURCES  
DEVELOPMENT

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 225

AGRICULTURE, ECONOMICS, ELECTRIC POWER PRODUCTION, FUTURE PLANNING  
(PROJECTED), GEOLOGY, GROUNDWATER, MINERALOGY, RECREATION, THERMAL  
CONDUCTIVITY, YORK RIVER

\*\*\*\*\* SURVEYS

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1854 VIRGINIA BOARD OF PUBLIC WORKS  
REPORT OF THE PRINCIPAL ENGINEER OF THE BOARD OF PUBLIC WORKS, ON THE  
SUBJECT OF THE SURVEY OF JAMES AND KANAWHA RIVERS...  
RICHMOND, COLIN AND NOWLAN

CANALS, ESTIMATED COSTS, FUTURE PLANNING (PROJECTED), JAMES RIVER,  
NAVIGATION, THERMAL RADIATION

1930 UNITED STATES CONGRESS  
JAMES RIVER, VA  
71ST CONG, 2D SESS HOUSE DOC 314 (INCLUDES 8 MAPS)

CHANNEL IMPROVEMENT, JAMES RIVER, RIVER BASIN DEVELOPMENT, THERMAL  
RADIATION

1948 UNITED STATES CONGRESS  
JAMES RIVER, VA  
80TH CONG, 1ST SESS HOUSE DOC 207 (INCLUDES MAP)

ECONOMICS, FLOOD CONTROL, JAMES RIVER, RIVER BASIN DEVELOPMENT, THERMAL  
RADIATION

1953 PRITCHARD DW, KENT RE  
REDUCTION AND ANALYSIS OF DATA FROM JAMES RIVER OPERATION OYSTER SPAT  
CHES BAY INST TECH REPT 6

DATA COLLECTIONS, JAMES RIVER, SALINITY, STRUCTURE, THERMAL RADIATION

\*\*\*\*\* SUSPENDED LOAD

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1951 CARRITY DE, CARPENTER JH  
AN EMPIRICAL CORRECTION FOR A SOURCE OF ERROR IN THE SPECTROPHOTOMETRIC  
DETERMINATION OF CHLOROPHYLL A  
CHES BAY INST TECH REPT 2

CHLOROPHYLL, PHYTOPLANKTON, STRAIN GAGES, THERMAL SPRINGS

1965 BREHMER ML  
TURBIDITY AND SILTATION AS FORMS OF POLLUTION  
J SOIL AND WATER CONSERVATION 20(4), 132-133 (VIMS CONTR 196)

JUVENILE FISHES, SALINE WATER-FRESHWATER INTERFACES/ESTON, SOIL ASPHALT,  
THERMAL SPRINGS, TURBIDITY

1968 BIGGS RB, WETZEL CD  
CONCENTRATION OF PARTICULATE CARBOHYDRATE AT THE HALOCLINE IN CHESAPEAKE  
BAY  
IMNOLOGY AND OCEANOGRAPHY 13(1) 169-170

CARBOHYDRATES, CHESAPEAKE BAY, CHLOROPHYLL, PIGMENTS, SALINITY, THERMAL  
SPRINGS

1968 HAVEN DS, MORALES-ALAMO R  
OCCURRENCE AND TRANSPORT OF FAECAL PELLETS IN SUSPENSION IN A TIDAL  
ESTUARY  
SEDIMENTARY GEOLOGY 2, 141-151 (VIMS CONTR 264)

ANIMAL WASTES (WILDLIFE), BIODEPOSITION, JAMES RIVER, SEDIMENT TRANSPORT,  
THERMAL SPRINGS

1968 BIGGS RB, WETZEL CD  
CONCENTRATION OF PARTICULATE CARBOHYDRATE AT THEHALOCLINE IN CHESAPEAKE BAY  
IMNOLOGY AND OCEANOGRAPHY 13(1), 169-170

CARBOHYDRATES, CHESAPEAKE BAY, CHLOROPHYLL, PIGMENTS, SALINITY, THERMAL SPRINGS

\*\*\*\*\* SUSPENSION

\*\*\*\*\*

1963 PATTEN RC ET AL  
SUSPENDED PARTICULATE MATERIAL IN THE LOWER YORK RIVER, VIRGINIA  
VIMS SPECIAL SCIENTIFIC REPT 44

DATA COLLECTIONS, ENERGY BUDGET, SEDIMENT LOAD, SESTON, THERMAL STRATIFICATION, YORK RIVER

\*\*\*\*\* SUSQUEHANNA RIVER

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1965 HARRISON W ET AL  
POSSIBLE LATE PLEISTOCENE UPLIFT, CHESAPEAKE BAY ENTRANCE  
J GEOLOGY 73, 201-229

BOREHOLE GEOPHYSICS, CHESAPEAKE BAY, ELIZABETH RIVER, JAMES RIVER, PLEISTOCENE EPOCH, SEDIMENTARY PETROLOGY, THERMAL STRESS, YORK RIVER

1968 WOLMAN MG  
THE CHESAPEAKE BAY--GEOLOGY AND GEOGRAPHY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER 12-13, P. 7-48

CHESAPEAKE BAY, HISTORY, PLEISTOCENE EPOCH, SEDIMENTATION RATES, THERMAL STRESS

\*\*\*\*\* SYMBIOSIS

\*\*\*\*\*

1963 MANSUETI R  
SYMBIOTIC BEHAVIOR BETWEEN SMALL FISHES AND JELLYFISHES, WITH NEW DATA ON THAT BETWEEN THE STROMATEID, PEPRILUS ALEPIDOTUS AND THE SCYPHOMEDUSA, CHRYSADRA QUINQUECIRRHA  
COPEIA 1963, 40-80

CHESAPEAKE BAY, SEA NETTLES, THIN FILMS, SCYPHOZOA

\*\*\*\*\* SYSTEMATICS

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1961 GRIFFITH RE  
PHYTOPLANKTON OF CHESAPEAKE BAY  
CONTR 172, CHESAPEAKE BIOLOGICAL LABORATORY, SOLOMONS, MARYLAND (ILLUSTRATED)

CHESAPEAKE BAY, PHYTOPLANKTON, THUNDERSTORMS, AQUATIC MICROORGANISMS

1964 MCCAIN JC  
CAPRELLIDAE (CRUSTACEA, AMPHIPODA) OF VA. AND A PARTIAL REVISION OF MAYER'S VARIETIES OF CAPRELLA ACUTIFRONS LATREILLE  
VIMS THESIS

AMPHIPODA, JAMES RIVER, THUNDERSTORMS

1968 TURGEON DD  
GUIDE TO ESTUARINE AND INSHORE BIVALVES OF VIRGINIA  
VIMS THESIS

CHESAPEAKE BAY, CLASSIFICATION, MOLLUSKS, THUNDERSTORMS, VIRGINIA

1971 JOHNSON MF  
THE GENERA CARPHEPHORUS, MIKANIA AND KUHNIA (EUPATORIEAE-ASTERACEAE) IN VIRGINIA  
VA J SCIENCE 22, 38-41

DISTRIBUTION, PLANT GROUPINGS, PLANTS, THUNDERSTORMS, VIRGINIA

\*\*\*\*\* TEMPERATURE

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1944 SANDOZ M, HOPKINS SH  
ZOEAL LARVAE OF THE BLUE CRAB CALLINECTES SAPIDUS RATHBUN  
J WASH ACAD SCIENCES 34, 132-133 (VIMS CONTR 13)

CRABS, HATCHING, LARVAL GROWTH STAGE, SALINITY, SHALLOW WELLS

1950 MACGREGOR JS  
SOME HYDROGRAPHIC CONDITIONS FOUND IN WINTER IN LOWER CHESAPEAKE BAY AND THEIR POSSIBLE EFFECTS ON THE BLUE CRAB...  
VIMS THESIS

CHESAPEAKE BAY, CRABS, SALINITY, SHALLOW WELLS

1951 HOPKINS TC JR, BURT WV  
INSHORE SURVEY PROGRAM INTERIM REPORT III  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY, REFERENCE 51-8

BATHYTHERMOGRAPHS, CHESAPEAKE BAY, DISTRIBUTION, SALINITY, SEASONAL, SHALLOW WELLS

1968 STANLEY EM, NORCROSS JJ  
CIRCULATION OF THE SHELF WATERS OFF THE CHESAPEAKE BIGHT  
CEAN SCIENCES & ENGINEERING OF THE ATLANTIC SHELF, SYMPOSIUM.  
TRANSACTIONS. MARINE TECHNOLOGY SOC, DELAWARE VALLEY SECTION

CONTINENTAL SHELF, CURRENTS (WATER), RUNOFF, SHALLOW WELLS, WINDS

1968 STANLEY EM, NORCROSS JJ  
CIRCULATION OF THE SHELF WATERS OFF THE CHESAPEAKE BIGHT  
CEAN SCIENCES & ENGINEERING OF THE ATLANTIC SHELF, SYMPOSIUM.  
TRANSACTIONS. MARINE TECHNOLOGY SOC, DELAWARE VALLEY SECTION

CONTINENTAL SHELF, CURRENTS (WATER), RUNOFF, SHALLOW WELLS, WINDS

1970 DUPAUL WD, WEBB KL  
THE EFFECT OF TEMPERATURE ON SALINITY-INDUCED CHANGES IN THE FREE AMINO  
ACID POOL OF MYA ARENARIA  
COMP BIOCHEM PHYSIOL 32, 785-801 (VIMS CONTR 331)

AMINO ACIDS, BIOCHEMISTRY, CLAMS, SALINITY, SHALLOW WELLS

1971 DRESSEL DM  
THE EFFECTS OF THERMAL SHOCK AND CHLORINE ON THE ESTUARINE COPEPOD  
ACARTIA TONSA  
VIMS THESIS

BIOASSAY, CHLORINE, COPEPODS, SHALLOW WELLS, SILVER IODIDE

1972 SCHUBEL JR  
THE PHYSICAL AND CHEMICAL CONDITIONS OF CHESAPEAKE BAY--AN EVALUATION  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY, SPECIAL REPT 21

CHESAPEAKE BAY, DISSOLVED OXYGEN, NUTRIENTS, SALINITY, SEASONAL  
DISTRIBUTION, SEDIMENTATION, SHALLOW WELLS, SILVERSIDES

\*\*\*\*\* TEMPERATURE CONTROL \*\*\*\*\*

1969 MANGUM CP  
LOW TEMPERATURE BLOCKAGE OF THE FEEDING RESPONSE IN BOREAL AND TEMPERATE  
ZONE POLYCHAETES  
CHES SCI 10, 64-65

POLYCHAETES, SHAPE, WORMS, YORK RIVER

\*\*\*\*\* TERRACES (GEOLOGICAL) \*\*\*\*\*

1940 SNIFFEN EW  
COBBLES FROM THE PLEISTOCENE TERRACES OF THE LOWER YORK-JAMES PENINSULA  
VA J SCIENCE 1, 285-288

BACK RIVER, VA, PETROLOGY, PLEISTOCENE EPOCH, SHEET EROSION

1942 FLINT RF  
ATLANTIC COASTAL 'TERRACES'  
WASH ACAD SCIENCES J 32, 235-237

ATLANTIC COASTAL PLAIN, JAMES RIVER, PLEISTOCENE EPOCH, SHEET EROSION

\*\*\*\*\* TERTIARY PERIOD \*\*\*\*\*

1842 TUOMEY M  
DISCOVERY OF A CHAMBERED UNIVALVE FOSSIL IN THE EOCENE TERTIARY OF JAMES  
RIVER, VIRGINIA  
AMER J SCIENCE 43, 187

JAMES RIVER, MOLLUSKS, PALEONTOLOGY, SHELLFISH

1943 GARDNER J  
MOLLUSCA FROM THE MIOCENE AND LOWER PLIOCENE OF VIRGINIA AND NORTH  
CAROLINA. PT 1-PELECYPODA  
US GEOL SURVEY PROF PAPER 199-A

MOLLUSKS, NORTH CAROLINA, PALEONTOLOGY, SULFUR BACTERIA, SHELLFISH,  
VIRGINIA

1948 GARDNER J  
MOLLUSCA FROM THE MIOCENE AND LOWER PLIOCENE OF VIRGINIA AND NORTH  
CAROLINA. PT 2-SCAPHOPODA AND GASTROPODA  
US GEOL SURVEY PROF PAPER 199-B

GASTROPODS, MOLLUSKS, NORTH CAROLINA, PALEONTOLOGY, SHELLFISH, VIRGINIA

1962 RUHLE JL  
SELECTED TERTIARY FOSSIL LOCALITIES OF THE VIRGINIA COASTAL PLAIN  
VA MINERALS 8(3), 2-9

ATLANTIC COASTAL PLAIN, GEOLOGIC FORMATIONS, PALEONTOLOGY, SHELLFISH,  
VIRGINIA

\*\*\*\*\* THERMAL WATER \*\*\*\*\*

1966 WARINNER JE, BREHMER M  
THE EFFECTS OF THERMAL EFFLUENTS ON MARINE ORGANISMS  
AIR AND WATER POLLUT INT J 10, 277-289 (VIMS CONTR 171)

BENTHIC FAUNA, COOLING WATER, ELECTRIC POWERPLANTS, PHYTOPLANKTON,  
PRIMARY PRODUCTIVITY, SILVERSIDES

1971 BOLUS RL ET AL  
THE DESIGN OF THE MONITORING SYSTEM FOR THE THERMAL EFFECT STUDY OF THE  
SURRY NUCLEAR POWER PLANT...  
VIMS SPECIAL REPT IN APPLIED MAR SCI AND OCEAN ENGINEERING 16

INSTRUMENTATION, JAMES RIVER, MONITORING, NUCLEAR POWERPLANTS, ON-SITE  
DATA COLLECTIONS, SILVERSIDES



1972 SCHUBEL JR  
THE PHYSICAL AND CHEMICAL CONDITIONS OF CHESAPEAKE BAY--AN EVALUATION  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY, SPECIAL REPT 21

CHESAPEAKE BAY, DISSOLVED OXYGEN, NUTRIENTS, SALINITY, SEASONAL  
DISTRIBUTION, SEDIMENTATION, SHALLOW WELLS, SILVERSIDES

\*\*\*\*\* TIDAL EFFECTS

1960 PORE A  
CHESAPEAKE BAY HURRICANE SURGES  
CHESAPEAKE SCIENCE 1, 178-186

CHESAPEAKE BAY, HURRICANES, METEOROLOGICAL DATA, SLIME

1969 HARRISON W  
EMPIRICAL EQUATIONS FOR FORESHORE CHANGES OVER A TIDAL CYCLE  
MARINE GEOL 7, 529-551 (VIMS CONTR 304)

BEACH EROSION, MATHEMATICAL STUDIES, SLIME, VIRGINIA

1970 LUDWICK JC  
SAND WAVES AND TIDAL CHANNELS IN THE ENTRANCE TO CHESAPEAKE BAY  
OLD DOMINION UNIVERSITY, INSTITUTE OF OCEANOGRAPHY TECH REPORT 1

CHESAPEAKE BAY, SAND WAVES, SEDIMENT TRANSPORT, SLIME

1971 WOOD L, HARGIS WJ JR  
TRANSPORT OF BIVALVE LARVAE IN A TIDAL ESTUARY  
EUROPEAN MAR BIOL SYMP, FOURTH, 29-44 (VIMS CONTR 328)

JAMES RIVER, LARVAE, OYSTERS, SLIME

1971 HARRISON W ET AL  
GROUNDWATER FLOW IN A SANDY TIDAL BEACH. 1. ONE-DIMENSIONAL FINITE  
ELEMENT ANALYSIS  
WATER RESOURCES RESEARCH 7, 1313-1322 (VIMS CONTR 392)

MATHEMATICAL MODELS, SLIME, WATER TABLE

\*\*\*\*\* TIDAL MARSHES

1969 WASS ML, WRIGHT TD  
COASTAL WETLANDS OF VIRGINIA  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 10

EROSION, HABITATS, LEGAL ASPECTS, MARSH MANAGEMENT, MARSH PLANTS, SLOPE  
PROTECTION, VIRGINIA, WETLANDS

1969 SETTLE FH  
SURVEY AND ANALYSIS OF CHANGES EFFECTED BY MAN ON TIDAL WETLANDS OF  
VIRGINIA, 1955-1969  
(VPI THESIS)

ESTUARIES, LAND DEVELOPMENT, SLOPE PROTECTION, VIRGINIA

1969 WASS ML, WRIGHT TD  
COASTAL WETLANDS OF VIRGINIA  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 10

EROSION, HABITATS, LEGAL ASPECTS, MARSH MANAGEMENT, MARSH PLANTS, SLOPE  
PROTECTION, VIRGINIA, WETLANDS

1971 KERWIN JA  
ATLANTIC SHORE SALT MARSHES, VIRGINIA  
ATLANTIC NATURALIST 26, 71-74

MARSH PLANTS, SALT MARSHES, SLOPE PROTECTION, VIRGINIA, WATERFOWL

\*\*\*\*\* TIDES

1930 HAIGHT FJ  
TIDES AND CURRENTS IN CHESAPEAKE BAY AND TRIBUTARIES  
US COAST AND GEODETIC SURVEY, SPECIAL PUBL 162

CHRYSTOPHYTA, CURRENTS (WATER), SLUDGE, TRIBUTARIES

1959 BRETSCHNEIDER CL  
HURRICANE SURGE PREDICTIONS FOR CHESAPEAKE BAY  
UNITED STATES ARMY CORPS OF ENGINEERS, WASHINGTON, D.C., BEACH EROSION  
BOARD, MISC PAPER 3-59

BEACH EROSION, CHESAPEAKE BAY, HURRICANES, SLUDGE, WAVES (WATER)

1972 BOON JD III, LYNCH MP  
TIDAL DATUM PLANES AND TIDAL BOUNDARIES AND THEIR USE AS LEGAL  
BOUNDARIES--A STUDY WITH RECOMMENDATIONS FOR VIRGINIA  
VIMS SPEC REPT APPL MAR SCI AND OCEAN ENGINEERING 22

BOUNDARIES (PROPERTY), LEGAL ASPECTS, VIRGINIA, SLUDGE

\*\*\*\*\* TOURISM

1963 BOWDEN EV  
DEVELOPMENT OPPORTUNITIES FOR VIRGINIA'S EASTERN SHORE  
OLD DOMINION COLLEGE, NORFOLK, VIRGINIA

EASTERN SHORE (VA-MD), ECONOMIC PREDICTION, EMPLOYMENT OPPORTUNITIES,  
GEOGRAPHICAL REGIONS, INDUSTRIAL PRODUCTION, RECREATION, TOURISM

## \*\*\*\*\* TOXINS

1970 RICE NE, POWELL WA  
OBSERVATIONS ON THREE SPECIES OF JELLYFISHES FROM CHESAPEAKE BAY WITH  
SPECIAL REFERENCE TO THEIR TOXINS  
BIOL BULL 139, 180-187

CHESAPEAKE BAY, INVERTEBRATES, JELLYFISH, SUBSTATIONS (ELECTRICAL),  
TOXINS

## \*\*\*\*\* TRANSPORTATION

1950 VIRGINIA ACADEMY OF SCIENCE, JAMES RIVER PROJECT COMMITTEE  
JAMES RIVER BASIN, PAST, PRESENT AND FUTURE  
RICHMOND, VA ACAD SCIENCE

ANIMAL POPULATIONS, CONSERVATION, ECOLOGY, GEOLOGIC INVESTIGATIONS,  
HISTORY, JAMES RIVER, RECREATION, RIVER BASIN DEVELOPMENT, TRANSPORTATION

1970 VIRGINIA DIVISION OF WATER RESOURCES  
YORK RIVER BASIN-COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 226

AGRICULTURE, ECONOMICS, FINANCIAL ANALYSIS, INDUSTRIES, POPULATION  
DYNAMICS, RECREATION, TRANSPORTATION, YORK RIVER

1971 BERGOFFEN B (ED)  
CITIZENS PROGRAM FOR THE CHESAPEAKE BAY  
CONFERENCE REPORT, SEPT 16-18, UNIV OF MARYLAND, COLLEGE PARK, MD

BOATING, CHESAPEAKE BAY, COMMERCIAL FISHING, INDUSTRIAL WASTES, LONG-TERM  
PLANNING, RECREATION, TRANSPORTATION

## \*\*\*\*\* TRAPPING

1947 ANDREWS E  
CRAB POT CONSTRUCTION-CHESAPEAKE BAY TYPE  
US FISH AND WILDLIFE SERVICE FISHERY LEAFLET 262

CRAB INDUSTRY, CRABS, FISHING GEAR, TRAPPING

## \*\*\*\*\* TRAWLING

1965 SMITH WG  
STUDY OF THE SCUP...BASED ON DATA OBTAINED FROM CATCHES OF THE 1963-64  
WINTER TRAWL FISHERY  
VIMS THESIS

CHESAPEAKE BAY, COMMERCIAL FISHING, SCUP, TRAWLING

1968 DAVIS J  
POTENTIAL FOR AN INDUSTRIAL TRAWL FISHERY IN CHESAPEAKE BIGHT  
VIRGINIA J SCIENCE 19, 177 (VIMS CONTR 273)

COMMERCIAL FISHING, FISH POPULATIONS, MIGRATION PATTERNS, SEASONAL  
DISTRIBUTION, TRAWLING

## \*\*\*\*\* TREES

1966 HARVILL AM JR  
RANGE EXTENSIONS ON THE MIDDLE PENNINSULA OF VIRGINIA  
VIRGINIA J SCIENCE 17, 143-148

HISTORY, PLANTS, RAPPAHANNOCK RIVER, TREES, YORK RIVER

## \*\*\*\*\* TREMATODES

1959 MCMAHON JW  
MONOGENETIC TREMATODES FROM SOME CHESAPEAKE BAY FISHES  
VIMS THESIS

CHESAPEAKE BAY, FISH PARASITES, TREMATODES

1963 MCMAHON JW  
MONOGENETIC TREMATODES FROM SOME CHESAPEAKE BAY FISHES. PART I--THE  
SUPERFAMILIES CAPSALOIDEA PRICE, 1936 AND DICLIDOPHOROIDEA PRICE, 1936  
CHES SCI 4, 151-160 (VIMS CONTR 153)

CHESAPEAKE BAY, FISH PARASITES, TREMATODES

1964 MCMAHON JW  
MONOGENETIC TREMATODES FROM SOME CHESAPEAKE BAY FISHES. PART 2--THE  
SUPERFAMILY DICLIDOPHOROIDEA  
CHES SCI 5, 124-133 (VIMS CONTR 161)

CHESAPEAKE BAY, FISH PARASITES, TREMATODES

1966 DILLON WA  
PROVISIONAL LIST OF PARASITES OCCURRING ON FUNDULUS SPP.  
VIRGINIA J SCIENCE 17, 21-31 (VIMS CONTR 204)

BIBLIOGRAPHIES, FISH PARASITES, LABORATORY ANIMALS, MARINE FISH,  
TREMATODES, KILLIFISHES

1969 CAMPBELL RA  
AN UNUSUAL INFECTION OF POLYSTOMA NEARCTICUM (PAUL, 1938)  
VIRGINIA J SCIENCE 20, 174-175 (VIMS CONTR 343)

ANIMAL PARASITES, TREMATODES, VIRGINIA

1969 KINGSTON N ET ALL  
STUDIES ON LARVAL MONOGENEA OF FISHES FROM THE CHESAPEAKE BAY AREA  
J PARASITOLOGY 55, 544-558 (VIMS CONTR 305)

FISH PARASITES, LARVAL GROWTH STAGE, TREMATODES, YORK RIVER

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STUDIES ON LARVAL MONOGENEA OF FISHES FROM THE CHESAPEAKE BAY AREA  
J PARASITOLOGY 55, 544-558 (VIMS CONTR 305)

FISH PARASITES, LARVAL GROWTH STAGE, TREMATODES, YORK RIVER

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1930 HAIGHT FJ  
TIDES AND CURRENTS IN CHESAPEAKE BAY AND TRIBUTARIES  
US COAST AND GEODETIC SURVEY, SPECIAL PUBL 162

CHRYSOPHYTA, CURRENTS (WATER), SLUDGE, TRIBUTARIES

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STREAM DISCHARGE ENTERING CHESAPEAKE BAY  
USGS (MONTHLY RELEASES)

CHESAPEAKE BAY, DISCHARGE (WATER), SUPERIMPOSED DRAINAGE, TRIBUTARIES

1967-DAVIS J  
ANADROMOUS FISH PROJECT, BIOLOGY AND UTILIZATION OF ANADROMOUS ALOSIDS  
UNPUBL PROG REPTS, VIMS, 1967--

ALOSIDS, ANADROMOUS FISH, DISSOLVED OXYGEN, TRIBUTARIES, VIRGINIA

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 132-134

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, PIKE, TROUT

\*\*\*\*\* TUNNEL CONSTRUCTION

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1955 WHALEY HH, PRITCHARD DW  
PROJECT TUNNEL  
CHES BAY INST TUNNEL REPORTS 1-5, JOHNS HOPKINS UNIVERSITY

BRIDGE CONSTRUCTION, JAMES RIVER, SEDIMENTS, TUNNEL CONSTRUCTION

\*\*\*\*\* TURBIDITY

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1962 HOPKINS SH  
DISTRIBUTION OF SPECIES OF CLIONA (BORING SPONGE) ON THE EASTERN SHORE OF  
VIRGINIA IN RELATION TO SALINITY  
CHES SCI 3, 121-124

BENTHIC FAUNA, EASTERN SHORE (VA-MD), PREDATION, SALINITY, TURBIDITY

1965 BREHMER ML  
TURBIDITY AND SILTATION AS FORMS OF POLLUTION  
J SOIL AND WATER CONSERVATION 20(4), 132-133 (VIMS CONTR 196)

JUVENILE FISHES, SALINE WATER-FRESHWATER INTERFACES, SOIL ASPHALT,  
THERMAL SPRINGS, TURBIDITY

\*\*\*\*\* TURTLES

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1950 CARROLL RP  
AMPHIBIA AND REPTILES  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
195-211

AMPHIBIANS, CLASSIFICATION, FROGS, JAMES RIVER, REPTILES, SALAMANDERS,  
SOIL STERILANTS, TURTLES

1954 WOOD JT, GODWIN OK  
OBSERVATIONS ON THE SUMMER BEHAVIOR AND MORTALITY OF BOX TURTLES IN  
EASTERN VIRGINIA  
VA J OF SCIENCE 5, 60-64

JAMES RIVER, MORTALITY, TEMPORAL DISTRIBUTION, TURTLES, YORK RIVER

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MILFOIL--A FRILLY WEED THAT RUINS YOUR SPORT  
VIRGINIA WILDLIFE 25(3), 14-16

AQUATIC PLANTS, 2,4D, VIRGINIA, HERBICIDES

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A REPORT ON THE OYSTER INDUSTRY OF THE UNITED STATES  
US DEPARTMENT OF THE INTERIOR

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STATES, VIRGINIA

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 PROFILES OF RIVERS IN THE UNITED STATES  
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PROFILES, RIVERS, UNITED STATES

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 FLOOD DAMAGE ABATEMENT--FEDERAL ASSISTANCE TO LOCAL GOVERNMENT  
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 FACILITIES, UNIVERSITIES, VIRGINIA

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 NSF PRODS SCIENTISTS TO COORDINATE BAY RESEARCH, BUT ACADEMIC RIVALRIES  
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 ANALYSIS OF MULTIUNIVERSITY RESEARCH AND TECHNOLOGY CENTERS IN VIRGINIA  
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\*\*\*\*\* URBAN RENEWAL

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 HAMPTON, VIRGINIA WATERFRONT ECONOMIC STUDY  
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 REPORT OF TASK FORCE ON EROSION AND SEDIMENTATION CONTROL  
 VIRGINIA GOVERNORS COUNCIL ON THE ENVIRONMENT

EROSION CONTROL, LEGAL ASPECTS, SEDIMENTATION, URBANIZATION, VIRGINIA

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 COMPARATIVE STUDY OF MERISTIC VARIATION IN THE AMERICAN EEL (ANGUILLA  
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 VIMS THESIS

FISH PHYSIOLOGY, FISH POPULATIONS, JAMES RIVER, RAPPAHANNOCK RIVER,  
 VARIABILITY, YORK RIVER

1966 HOGARTH WT, WOOLCOTT WS  
 MOUNTAIN STRIPEBACK DARTER, PERCINA NOTOGRAMMA MONTUOSA, N SSP FROM UPPER  
 JAMES RIVER, VA  
 CHES SCIENCE 7, 101-109

FISH PHYSIOLOGY, JAMES RIVER, VARIABILITY

\*\*\*\*\* VEGETATION

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1965 HARVILL AM JR  
 THE VEGETATION OF PARRAMORE ISLAND, VIRGINIA  
 CASTANEA 30, 226-228 (VIMS CONTR 199)

EASTERN SHORE (VA-MD), PLANTS, VEGETATION, BARRIER ISLANDS

1970 LOETTERLE LE  
 THE VASCULAR FLORA OF JAMESTOWN ISLAND, JAMES CITY COUNTY, VIRGINIA  
 WILLIAM AND MARY THESIS

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HURRICANES, VIRGINIA

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 STATES, VIRGINIA

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MESOZOIC ERA, VIRGINIA

1894 DARTON NH  
OUTLINE OF CENOZOIC HISTORY OF A PORTION OF THE MIDDLE ATLANTIC SLOPE  
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ATLANTIC COASTAL PLAIN, CENOZOIC ERA, GEOLOGIC FORMATIONS, MARYLAND,  
VIRGINIA

1894 BAYLOR JB  
SURVEY OF OYSTER GROUND BAYLOR SURVEY  
VA FISHERIES COMMISSION

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1897 WATSON TL  
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GEOMORPHOLOGY, MINERAL INDUSTRY, PALEONTOLOGY, SEDIMENTARY PETROLOGY,  
VIRGINIA

1913 SANFORD S  
UNDERGROUND WATER RESOURCES OF THE COASTAL PLAIN PROVINCE OF VIRGINIA  
VA GEOL SURVEY BULL 5

ATLANTIC COASTAL PLAIN, GROUNDWATER, TANGIBLE COSTS, VIRGINIA, WATER  
WELLS

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CHESAPEAKE BAY, EASTERN SHORE (VA-MD), HISTORY, MARYLAND, RIVERS,  
VIRGINIA

1927 DIRZULAITIS JJ, STEVENS GC  
WATER RESOURCES OF VIRGINIA  
VA GEOL SURVEY BULL 31

DISCHARGE (WATER), SUPERIMPOSED DRAINAGE, TANGIBLE COSTS, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER RESOURCES, WATER RESOURCES DEVELOPMENT

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NEW FOSSIL MOLLUSKS FROM THE MIOCENE OF VIRGINIA AND NORTH CAROLINA, WITH  
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1932 COLLINS WD ET AL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA  
VA DIVISION OF WATER RESOURCES AND POWER BULL 3

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER UTILIZATION

1930 COLLINS WD ET AL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA-PRELIM REPT  
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1931 EMBREY AT  
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RIGHTS, SOCIAL VALUES, VIRGINIA

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SAND AND GRAVEL RESOURCES OF THE COASTAL PLAIN OF VIRGINIA  
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VIRGINIA

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1938 FERNALD ML  
NOTEWORTHY PLANTS OF SOUTHEASTERN VIRGINIA  
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GROUND-WATER RESOURCES OF THE SOUTHEASTERN VIRGINIA COASTAL PLAIN  
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VIRGINIA

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MOLLUSCA FROM THE MIOCENE AND LOWER PLIOCENE OF VIRGINIA AND NORTH  
CAROLINA. PT 1-PELECYPODA  
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VIRGINIA

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VIRGINIA  
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HYDROGEOLOGY, VIRGINIA, WATER WELLS

1946 CEDERSTROM DJ  
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VIRGINIA

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CHES SCI 11, 255-261 (VIMS CONTR 360)

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1970 CHANLEY P  
LARVAL DEVELOPMENT OF THE HOOKED MUSSEL, BRACHIDONTES RECURVUS  
RAFINESQUE...  
NATIONAL SHELLFISHERIES ASSOC PROC 60, 86-94 (VIMS CONTR 336)

LARVAL GROWTH STAGE, MUSSELS, VIRGINIA

1970 SANDIFER PA, VAN ENGEL WA  
MODIOLUS OMISSUS, A NEW HOST FOR THE OYSTER CRAB PINNOTHERES OSTREUM IN  
VIRGINIA  
VELIGER 13, 145-146 (VIMS CONTR 347)

CRABS, HOSTS, MUSSELS, PARASITISM, VIRGINIA

1970 HAVEN DS, MORALES-ALAMO R  
FILTRATION OF PARTICLES FROM SUSPENSION BY THE AMERICAN OYSTER  
CRASSOSTREA VIRGINICA  
BIOL BULL 139, 248-264 (VIMS CONTR 356)

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1970 PROW JW  
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COLLEGE OF WILLIAM AND MARY, RESEARCH PAPER

EDUCATION, GEOGRAPHICAL REGIONS, VIRGINIA

1971 KERWIN JA  
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1971 HARTWELL E  
WHEREWITH VIRGINIA'S WETLANDS  
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ADMINISTRATIVE AGENCIES, CONSERVATION, VIRGINIA, WETLANDS

1971 HOLDEN C  
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ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, CONSERVATION, MARYLAND, NUCLEAR  
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1971 MILLAR AE JR, GIBSON JD, KLAFTER RD  
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ADMINISTRATIVE DECISIONS, JAMES RIVER, LEGAL ASPECTS, VIRGINIA, WATER  
MANAGEMENT (APPLIED), WATER QUALITY CONTROL

1971 ST PIERRE RA  
AGE, GROWTH, AND MORTALITY OF THE WHITE PERCH...IN THE JAMES AND YORK  
RIVERS, VIRGINIA  
VIMS THESIS

GROWTH RATES, JAMES RIVER, MORTALITY, VIRGINIA, WHITE PERCH, YORK RIVER

1971 CHANLEY P, CASTAGNA M  
LARVAL DEVELOPMENT OF THE STOUT RAZOR CLAM, TAGELUS PLEBEIUS SOLANDER  
(SOLECURTIDAE, BIVALVIA)  
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CLAMS, EASTERN SHORE (VA-MD), LARVAL GROWTH STAGE, VIRGINIA

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AIR POLLUTION, EROSION CONTROL, MINE WASTES, MUNICIPAL WASTES, SMALL  
GAME, STRUCTURAL RELAXATION, VIRGINIA, WATER POLLUTION CONTROL

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EROSION CONTROL, LEGAL ASPECTS, SEDIMENTATION, URBANIZATION, VIRGINIA

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VA J SCIENCE 22, 38-41

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1971 MASSMANN WH  
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MIDDLE ATLANTIC REGION  
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BIOLOGY, CHEMICALS, DREDGING, ESTUARIES, MARYLAND, VIRGINIA, WATER  
QUALITY, WILD RIVERS

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FUTROPHICATION, MARSHES, MINE WASTES, PESTICIDE REMOVAL, POLLUTANTS,  
RESEARCH AND DEVELOPMENT, VIRGINIA, WASTE WATER TREATMENT, WATER QUALITY

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STRUCTURAL MODELS, VIRGINIA

1971 MIRI JA  
SOME PROBLEMS OF WATER RESOURCE MANAGEMENT IN VIRGINIA--A PRELIMINARY  
EXAMINATION  
DEPT OF GOVERNMENT, COLLEGE OF WILLIAM AND MARY

LEGAL ASPECTS, RIPARIAN RIGHTS, SUPERIMPOSED DRAINAGE, VIRGINIA, WATER  
DEMAND, WATER MANAGEMENT (APPLIED)

1971 HARGIS WJ JR, LYNCH MP  
VIRGINIA STATE AGENCIES CONCERNED WITH COASTAL ZONE PLANNING, MANAGEMENT,  
OR SCIENTIFIC AND ENGINEERING ACTIVITIES  
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ANIMAL CONTROL, ARSENIC COMPOUNDS, AVICIDES, BRUSH CONTROL, CHLORINATED  
HYDROCARBON PESTICIDESDDT, DIELDRIN, LEGAL ASPECTS, PESTICIDES, VIRGINIA

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ADMINISTRATIVE AGENCIES, RESEARCH FACILITIES, UNIVERSITIES, VIRGINIA

1972 BOON JD III, LYNCH MP  
TIDAL DATUM PLANES AND TIDAL BOUNDARIES AND THEIR USE AS LEGAL  
BOUNDARIES--A STUDY WITH RECOMMENDATIONS FOR VIRGINIA  
VIMS SPEC REPT APPL MAR SCI AND OCEAN ENGINEERING 22

BOUNDARIES (PROPERTY), LEGAL ASPECTS, VIRGINIA, SLUDGE

\*\*\*\*\* WASTE ASSIMILATIVE CAPACITY \*\*\*\*\*

1951 VIRGINIA WATER CONTROL BOARD  
LOWER JAMES RIVER POLLUTION STUDY, CITY POINT TO THE CHICKAHOMINY, AUG  
6-SEPT 6 1951, PRELIMINARY REPORT  
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1955 VELZ CJ  
REPORT ON SELF-PURIFICATION CAPACITIES LOWER JAMES RIVER HOPEWELL, VA  
NATL COUNCIL FOR STREAM IMPROVEMENT, SCHOOL OF PUBLIC HEALTH, UNIV  
MICHIGAN, UNPUBL MS

JAMES RIVER, SELF-PURIFICATION, WASTE ASSIMILATIVE CAPACITY

1960 CLINE CH, MALONEY WE  
FIELD REPORT, JAMES RIVER DYE DISPERSAL TESTS  
US NAVY HYDROGRAPHIC OFFICE, UNPUBL MS

DYE RELEASES, JAMES RIVER, WASTE ASSIMILATIVE CAPACITY

1969 SOUTH WD  
INVESTIGATION OF THE EFFECT OF MILL WASTE ON WATER QUALITY IN THE  
PAMUNKEY AND YORK RIVERS  
THE CHESAPEAKE CORP OF VIRGINIA, WEST POINT, VIRGINIA

DIURNAL, INDUSTRIAL WASTES, PULP WASTES, WASTE ASSIMILATIVE CAPACITY,  
WATER QUALITY CONTROL, YORK RIVER

\*\*\*\*\* WASTE TREATMENT \*\*\*\*\*

1964 DAVIS RV ET AL  
TREATMENT OF DUCK WASTES AND THEIR EFFECTS ON THE WATER QUALITY IN THE  
RAPPAHANNOCK RIVER, URBANNA, VIRGINIA  
VIRGINIA STATE WATER CONTROL BOARD, RICHMOND

ANIMAL WASTES (WILDLIFE), FARM LAGOONS, FARM WASTES, POULTRY,  
RAPPAHANNOCK RIVER, WASTE TREATMENT

1968 BREHMER ML  
MAN AND THE BAY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
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CHESAPEAKE BAY, WASTE TREATMENT, WATER POLLUTION CONTROL, WATER RESOURCES  
DEVELOPMENT

\*\*\*\*\* WASTE WATER TREATMENT \*\*\*\*\*

1971 VIRGINIA POLYTECHNIC INSTITUTE  
WATER RESOURCES RESEARCH IN VIRGINIA--ANNUAL REPORT FOR FISCAL YEAR 1971  
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RESEARCH AND DEVELOPMENT, VIRGINIA, WASTE WATER TREATMENT, WATER QUALITY

\*\*\*\*\* WATER BIRDS \*\*\*\*\*

1971 WARNER WM  
MORE PLENTIE OF FOWLES  
ATLANTIC NATURALIST 26, 99-107

CHESAPEAKE BAY, WATER BIRDS, WATERFOWL

\*\*\*\*\* WATER CHEMISTRY \*\*\*\*\*

1970 JENSEN LD  
COOLING WATER STUDIES FOR EDISON ELECTRIC INST, INTERIM REPORT SITE 12,  
JAMES RIVER CHESTERFIELD STA, VEPCO  
JOHNS HOPKINS DEPT OF GEOG AND ENVIRON ENGINEERING

COOLING WATER, ECOLOGICAL DISTRIBUTION, JAMES RIVER, WATER CHEMISTRY,  
WATER QUALITY

\*\*\*\*\* WATER CIRCULATION \*\*\*\*\*

1966 ELLIOTT HA  
DISTRIBUTION OF RECENT OSTRACODA IN THE RAPPAHANNOCK ESTUARY, VIRGINIA  
CHES SCI 7, 203-207 (VIMS CONTR 236)

BRACKISH WATER, NUTRIENTS, OSTRACODS, RAPPAHANNOCK RIVER, SALINITY, WATER  
CIRCULATION

\*\*\*\*\* WATER CONSERVATION \*\*\*\*\*

1970 UNITED STATES DEPARTMENT OF THE INTERIOR  
CHESAPEAKE BAY, MARYLAND AND VIRGINIA  
IN NATIONAL ESTUARY STUDY, VOLUME 3, FISH AND WILDLIFE SERVICE, P. 65-112

ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, WATER CONSERVATION, WATER  
MANAGEMENT (APPLIED), WATER RESOURCES DEVELOPMENT

\*\*\*\*\* WATER DEMAND \*\*\*\*\*

1970 VIRGINIA DIVISION OF WATER RESOURCES  
WATER RESOURCES LEGISLATIVE CONCERNS OF THE BOARD OF CONSERVATION AND  
ECONOMIC DEVELOPMENT, COMMONWEALTH OF VIRGINIA  
RICHMOND, VIRGINIA

LEGISLATION, STRUCTURAL RELAXATION, WATER DEMAND, WATER MANAGEMENT  
(APPLIED), WATERSHEDS (BASINS)

1971 MIRI JA  
SOME PROBLEMS OF WATER RESOURCE MANAGEMENT IN VIRGINIA--A PRELIMINARY  
EXAMINATION  
DEPT OF GOVERNMENT, COLLEGE OF WILLIAM AND MARY

LEGAL ASPECTS, RIPARIAN RIGHTS, SUPERIMPOSED DRAINAGE, VIRGINIA, WATER  
DEMAND, WATER MANAGEMENT (APPLIED)

## \*\*\*\*\* WATER EQUIVALENT \*\*\*\*\*

1969 BOUSFIELD EL  
NEW RECORDS OF GAMMARUS (CRUSTACEA&AMPHIPODA) FROM THE MIDDLE ATLANTIC  
REGION  
HES SCI 10, 1-17

AMPHIPODA, CHESAPEAKE BAY, DISTRIBUTION PATTERNS, JAMES RIVER, PATUXENT  
RIVER, POTOMAC RIVER, RAPPAHANNOCK RIVER, WATER EQUIVALENT, YORK RIVER

## \*\*\*\*\* WATER LAW \*\*\*\*\*

1968  
WATERS OF THE STATE, PORTS AND HARBORS  
VA CODE, 1950, TITLE 62.1

BEDS UNDER WATER, EROSION CONTROL, HARBORS, LEGAL ASPECTS, NAVIGABLE  
WATERS, POLLUTION ABATEMENT, RIPARIAN RIGHTS, VIRGINIA, WATER LAW

## \*\*\*\*\* WATER MANAGEMENT (APPLIED) \*\*\*\*\*

1961 HARGIS WJ JR  
RESEARCH ON THE TIDAL POTOMAC  
WATER MANAGEMENT IN THE POTOMAC ESTUARY, 38-44 (VIMS CONTR 107)

CONSERVATION, ESTUARIES, POTOMAC RIVER, WATER MANAGEMENT (APPLIED)

1968 UNITED STATES DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE RESOURCES AS RELATED TO WATER POLLUTION, CHESAPEAKE BAY  
AND TRIBUTARIES  
FISH AND WILDLIFE SERVICE, BUR SPORT FISH AND WILDLIFE, ATLANTA, GEORGIA

CHESAPEAKE BAY, ENVIRONMENTAL EFFECTS, WATER MANAGEMENT (APPLIED), WATER  
POLLUTION, WATER QUALITY CONTROL

1970 UNITED STATES DEPARTMENT OF THE INTERIOR  
CHESAPEAKE BAY, MARYLAND AND VIRGINIA  
IN NATIONAL ESTUARY STUDY, VOLUME 3, FISH AND WILDLIFE SERVICE, P. 65-112

ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, WATER CONSERVATION, WATER  
MANAGEMENT (APPLIED), WATER RESOURCES DEVELOPMENT

1970 VIRGINIA DIVISION OF WATER RESOURCES  
WATER RESOURCES LEGISLATIVE CONCERNS OF THE BOARD OF CONSERVATION AND  
ECONOMIC DEVELOPMENT, COMMONWEALTH OF VIRGINIA  
RICHMOND, VIRGINIA

LEGISLATION, STRUCTURAL RELAXATION, WATER DEMAND, WATER MANAGEMENT  
(APPLIED), WATERSHEDS (BASINS)

1971 MILLAR AE JR, GIBSON JD, KLAFTER RD  
CLEAN WATER--AFFLUENCE, INFLUENCE, EFFLUENTS  
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ADMINISTRATIVE DECISIONS, JAMES RIVER, LEGAL ASPECTS, VIRGINIA, WATER  
MANAGEMENT (APPLIED), WATER QUALITY CONTROL

1971 MIRI JA  
SOME PROBLEMS OF WATER RESOURCE MANAGEMENT IN VIRGINIA--A PRELIMINARY  
EXAMINATION  
DEPT OF GOVERNMENT, COLLEGE OF WILLIAM AND MARY

LEGAL ASPECTS, RIPARIAN RIGHTS, SUPERIMPOSED DRAINAGE, VIRGINIA, WATER  
DEMAND, WATER MANAGEMENT (APPLIED)

## \*\*\*\*\* WATER POLICY \*\*\*\*\*

1970 VIRGINIA BOARD OF CONSERVATION AND ECONOMIC DEVELOPMENT  
ANNUAL REPORT TO THE GOVERNOR...ON THE STATUS OF VIRGINIA'S WATER  
RESOURCES 1969-70  
RICHMOND, REPORT OF THE BOARD

FLOOD DAMAGE, SUPERIMPOSED DRAINAGE, THERMAL CONDUCTIVITY, VIRGINIA,  
WATER POLICY

## \*\*\*\*\* WATER POLLUTION \*\*\*\*\*

1948 RICH LG  
INVESTIGATION OF THE PHYSICAL, CHEMICAL, AND BIOLOGICAL ASPECTS OF STREAM  
POLLUTION IN THE JAMES RIVER AT BIG ISLAND, VA  
VPI THESIS

BENTHOS, CHEMICAL ANALYSIS, JAMES RIVER, PLANKTON, PULP WASTES, WATER  
POLLUTION

1949 SCRUGGS PL  
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DAMS, FLOOD CONTROL, JAMES RIVER, WATER POLLUTION

1959 CLINE CH, FISHER LJ  
FLUSHING TIME AND DISPERSION OF CONTAMINANTS IN TIDAL WATERS WITH  
APPLICATION TO THE JAMES RIVER  
US NAVY HYDROGRAPHIC OFFICE, UNPUBL MS

DIFFUSION, DISPERSION, FLOW CHARACTERISTICS, JAMES RIVER, WATER POLLUTION

1968 UNITED STATES DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE RESOURCES AS RELATED TO WATER POLLUTION, CHESAPEAKE BAY  
AND TRIBUTARIES  
FISH AND WILDLIFE SERVICE, BUR SPORT FISH AND WILDLIFE, ATLANTA, GEORGIA  
CHESAPEAKE BAY, ENVIRONMENTAL EFFECTS, WATER MANAGEMENT (APPLIED), WATER  
POLLUTION, WATER QUALITY CONTROL



1968 TRIDENT ENGINEERING ASSOCIATES, INCORPORATED  
CHESAPEAKE BAY CASE STUDY  
ANNAPOLIS, MARYLAND (CLEARINGHOUSE FOR FED SCI AND TECH INFORMATION NO. PB  
179-844)

AQUATIC PLANTS, BEACH EROSION, CHESAPEAKE BAY, HARBORS, SEA NETTLES,  
URBANIZATION, WATER POLLUTION, WATER RESOURCES DEVELOPMENT, WETLANDS

1969 LUDWIGSON JO  
CHESAPEAKE BAY  
OCEANS 1(5), 7-16

CHESAPEAKE BAY, HISTORY, WATER POLLUTION, WATER RESOURCES

1971 HOLDEN C  
CHESAPEAKE BAY  
SCIENCE 172, 825-827

ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, CONSERVATION, MARYLAND, NUCLEAR  
POWERPLANTS, SOCIAL ASPECTS, SIEVE ANALYSIS, VIRGINIA, WATER POLLUTION

\*\*\*\*\* WATER POLLUTION CONTROL \*\*\*\*\*

1951 VIRGINIA WATER CONTROL BOARD  
LOWER JAMES RIVER POLLUTION STUDY, CITY POINT TO THE CHICKAHOMINY, AUG  
6-SEPT 6 1951, PRELIMINARY REPORT  
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EFFLUENTS, INDUSTRIAL WASTES, JAMES RIVER, WASTE ASSIMILATIVE CAPACITY,  
WATER POLLUTION CONTROL

1968 BREHMER ML  
MAN AND THE BAY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
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CHESAPEAKE BAY, WASTE TREATMENT, WATER POLLUTION CONTROL, WATER RESOURCES  
DEVELOPMENT

1971  
CONTINGENCY PLAN FOR PREVENTION, CONTAINMENT, AND CLEANUP OF OIL AND  
HAZARDOUS MATERIALS FOR THE HAMPTON ROADS AREA  
HAMPTON ROADS MARITIME ASSOCIATION, NORFOLK, VIRGINIA

PLANT MORPHOLOGY, OILY WATER, POLLUTANTS, WATER POLLUTION CONTROL

1971 VIRGINIA GOVERNORS COUNCIL ON THE ENVIRONMENT  
THE STATE OF VIRGINIA'S ENVIRONMENT

AIR POLLUTION, EROSION CONTROL, MINE WASTES, MUNICIPAL WASTES, SMALL  
GAME, STRUCTURAL RELAXATION, VIRGINIA, WATER POLLUTION CONTROL

\*\*\*\*\* WATER POLLUTION EFFECTS \*\*\*\*\*

1967 WASS ML  
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COMMUNITIES. SECTION II--INDICATORS OF POLLUTION  
POLLUTION AND MAR ECOL, CONF PROC, 271-283 (VIMS CONTR 220)

BENTHIC FAUNA, INDICATORS, OYSTERS, POLYCHAETES, WATER POLLUTION EFFECTS

1971 RICHARDSON MD  
BENTHIC MACROINVERTEBRATE COMMUNITIES AS INDICATORS OF POLLUTION IN THE  
ELIZABETH RIVER, HAMPTON ROADS, VIRGINIA  
VIMS THESIS

BENTHIC FAUNA, ELIZABETH RIVER, INDICATORS, WATER POLLUTION EFFECTS

\*\*\*\*\* WATER QUALITY \*\*\*\*\*

1965 UNITED STATES GEOLOGICAL SURVEY  
WATER RESOURCES DATA FOR VIRGINIA--1965  
WATER RESOURCES DIVISION

DISCHARGE (WATER), GAGING STATIONS, THIS EQUATION, VIRGINIA, WATER  
QUALITY, WATER SUPPLY

1969 UNITED STATES GEOLOGICAL SURVEY  
WATER RESOURCES DATA FOR VIRGINIA--1968  
WATER RESOURCES DIVISION

DISCHARGE (WATER), GAGING STATIONS, THIS EQUATION, VIRGINIA, WATER  
QUALITY, WATER SUPPLY

1970 JENSEN LD  
COOLING WATER STUDIES FOR EDISON ELECTRIC INST, INTERIM REPORT SITE 12,  
JAMES RIVER CHESTERFIELD STA, VEPCO  
JOHNS HOPKINS DEPT OF GEOG AND ENVIRON ENGINEERING

COOLING WATER, ECOLOGICAL DISTRIBUTION, JAMES RIVER, WATER CHEMISTRY,  
WATER QUALITY

1971 MASSMANN WH  
THE SIGNIFICANCE OF AN ESTUARY ON THE BIOLOGY OF AQUATIC ORGANISMS OF THE  
MIDDLE ATLANTIC REGION  
SYMPOSIUM ON THE BIOLOGICAL SIGNIFICANCE OF ESTUARIES, SPORT FISHING INST.  
DOUGLAS PA, STROUD RM EDS 96-109

BIOLOGY, CHEMICALS, DREDGING, ESTUARIES, MARYLAND, VIRGINIA, WATER  
QUALITY, WILD RIVERS

1971 VIRGINIA POLYTECHNIC INSTITUTE  
WATER RESOURCES RESEARCH IN VIRGINIA--ANNUAL REPORT FOR FISCAL YEAR 1971  
WATER RESOURCES RESEARCH CENTER, BLACKSBURG, VIRGINIA, BULL 46

EUTROPHICATION, MARSHES, MINE WASTES, PESTICIDE REMOVAL, POLLUTANTS,  
RESEARCH AND DEVELOPMENT, VIRGINIA, WASTE WATER TREATMENT, WATER QUALITY

\*\*\*\*\* WATER QUALITY CONTROL \*\*\*\*\*

1968 UNITED STATES DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE RESOURCES AS RELATED TO WATER POLLUTION, CHESAPEAKE BAY  
AND TRIBUTARIES  
FISH AND WILDLIFE SERVICE, BUR SPORT FISH AND WILDLIFE, ATLANTA, GEORGIA

CHESAPEAKE BAY, ENVIRONMENTAL EFFECTS, WATER MANAGEMENT (APPLIED), WATER  
POLLUTION, WATER QUALITY CONTROL

1969 SOUTH WD  
INVESTIGATION OF THE EFFECT OF MILL WASTE ON WATER QUALITY IN THE  
PAMUNKEY AND YORK RIVERS  
THE CHESAPEAKE CORP OF VIRGINIA, WEST POINT, VIRGINIA

DIURNAL, INDUSTRIAL WASTES, PULP WASTES, WASTE ASSIMILATIVE CAPACITY,  
WATER QUALITY CONTROL, YORK RIVER

1971 MILLAR AE JR, GIBSON JD, KLAFTER RD  
CLEAN WATER--AFFLUENCE, INFLUENCE, EFFLUENTS  
OLD DOMINION UNIV

ADMINISTRATIVE DECISIONS, JAMES RIVER, LEGAL ASPECTS, VIRGINIA, WATER  
MANAGEMENT (APPLIED), WATER QUALITY CONTROL

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THE TIDAL JAMES--A REVIEW  
VIMS SPECIAL REPORT 18 IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING

ECONOMIC IMPACT, ECONOMIC PREDICTION, HISTORY, JAMES RIVER, PROJECTS,  
WATER QUALITY CONTROL, WATER RESOURCES DEVELOPMENT

\*\*\*\*\* WATER RESOURCES \*\*\*\*\*

1927 DIRZULAITIS JJ, STEVENS GC  
WATER RESOURCES OF VIRGINIA  
VA GEOL SURVEY BULL 31

DISCHARGE (WATER), SUPERIMPOSED DRAINAGE, TANGIBLE COSTS, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER RESOURCES, WATER RESOURCES DEVELOPMENT

1950 MARR RA, JR, MORGAN JM, JR  
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BIBLIOGRAPHIES, CHESAPEAKE BAY, VIRGINIA, WATER RESOURCES

1966 MCJUNKIN FE, WALKER WR  
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VPI WATER RESOURCES RESEARCH CENTER BULL 1

BIBLIOGRAPHIES, VIRGINIA, WATER RESOURCES

1969 LUDWIGSON JO  
CHESAPEAKE BAY  
OCEANS 1(5), 7-16

CHESAPEAKE BAY, HISTORY, WATER POLLUTION, WATER RESOURCES

\*\*\*\*\* WATER RESOURCES DEVELOPMENT \*\*\*\*\*

1886 RICHMOND CHAMBER OF COMMERCE  
JAMES RIVER FROM THE HEAD OF TIDE TO HAMPTON ROADS AS A NATIONAL WATERWAY  
RICHMOND, BY THE CHAMBER OF COMMERCE

CHANNEL IMPROVEMENT, ECONOMIC FEASIBILITY, JAMES RIVER, NAVIGABLE RIVERS,  
WATER RESOURCES DEVELOPMENT

1927 DIRZULAITIS JJ, STEVENS GC  
WATER RESOURCES OF VIRGINIA  
VA GEOL SURVEY BULL 31

DISCHARGE (WATER), SUPERIMPOSED DRAINAGE, TANGIBLE COSTS, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER RESOURCES, WATER RESOURCES DEVELOPMENT

1942  
VIRGINIA SCIENTISTS ADOPT NOVEL PROGRAM. JAMES RIVER PROJECT TO BE MODEL  
FOR FUTURE LONG RANGE PLANNING  
VA WILDLIFE 5, 66-68

FUTURE PLANNING (PROJECTED), JAMES RIVER, RIVER BASIN DEVELOPMENT, WATER  
RESOURCES DEVELOPMENT

1947 RANDOLPH OR  
THE JAMES--VIRGINIA'S RIVER  
VA WILDLIFE 8(8), 3-5

FLOOD CONTROL, JAMES RIVER, WATER RESOURCES DEVELOPMENT

1948 VIRGINIA DIVISION OF PLANNING AND ECONOMIC DEVELOPMENT  
PROPOSED DEVELOPMENT OF THE JAMES RIVER  
RICHMOND, BY THE DIVISION

FLOOD PROTECTION, FUTURE PLANNING (PROJECTED), JAMES RIVER, RESERVOIRS,  
WATER RESOURCES DEVELOPMENT

447

1963 HARGIS WJ, JR  
JAMES RIVER BASIN--GREAT NATURAL RESOURCE  
(VIMS MS)

JAMES RIVER, RIVER BASIN DEVELOPMENT, WATER RESOURCES DEVELOPMENT

1965 HARGIS WJ, JR  
MULTIDISCIPLINARY RESEARCH ON AN ESTUARINE ENGINEERING PROJECT  
VIMS MS, ALSO VPI WATER RESOURCES RESEARCH CENTER BULL 2, 45-66

ECONOMIC FEASIBILITY, ENVIRONMENTAL ENGINEERING, JAMES RIVER, OYSTER  
INDUSTRY, WATER RESOURCES DEVELOPMENT

1966 HARGIS WJ, JR  
FINAL REPORT ON RESULTS OF OPERATION JAMES RIVER  
VIMS SPEC REPT IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING 7

CHANNEL IMPROVEMENT, ECOLOGICAL IMPACT, FUTURE PLANNING (PROJECTED),  
HYDRAULIC MODELS, JAMES RIVER, OYSTER INDUSTRY, WATER RESOURCES  
DEVELOPMENT

1967 VIRGINIA MARINE RESOURCES STUDY COMMISSION  
MARINE RESOURCES OF VIRGINIA--THEIR USE, CONSERVATION AND DEVELOPMENT.  
REPORT TO THE GOVERNOR AND THE GENERAL ASSEMBLY OF VIRGINIA  
RICHMOND, VA DEPT PURCHASES AND SUPPLY

ADMINISTRATIVE DECISIONS, CONSERVATION, FISHING, RESEARCH FACILITIES,  
VIRGINIA, WATER RESOURCES DEVELOPMENT

1968-HARGIS WJ, JR  
UTILIZATION OF PHYSICAL AND MATHEMATICAL MODELS IN MARINE WATER RESOURCES  
RESEARCH, PLANNING AND MANAGEMENT  
UNPUBL PRUG REPTS, VIMS, COVERING THE PERIOD 1 SEPT 1967--

ECONOMIC PREDICTION, HYDRAULIC MODELS, JAMES RIVER, MATHEMATICAL MODELS,  
WATER RESOURCES DEVELOPMENT

1968 HARGIS WJ, JR  
OCEANOGRAPHY IN VIRGINIA  
VIRGINIA FORWARD 6(1), 8-22

JAMES RIVER, OCEANOGRAPHY, VIRGINIA, WATER RESOURCES DEVELOPMENT

1968 WALKER WR  
WATER RESOURCES RESEARCH IN VIRGINIA  
VA POLYTECHNIC INST WATER RESOURCES RESEARCH CENTER BULL 18

PROJECTS, RESEARCH AND DEVELOPMENT, VIRGINIA, WATER RESOURCES DEVELOPMENT

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1968 BREHMER ML  
MAN AND THE BAY  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 161-166

CHESAPEAKE BAY, WASTE TREATMENT, WATER POLLUTION CONTROL, WATER RESOURCES  
DEVELOPMENT

1968 KOLESSAR MA  
THE STATUS OF THE CHESAPEAKE BAY STUDY AND MODEL  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 115-124

CHESAPEAKE BAY, HYDRAULIC MODELS, INTER-AGENCY COOPERATION, WATER  
RESOURCES DEVELOPMENT

1968 TRIDENT ENGINEERING ASSOCIATES, INCORPORATED  
CHESAPEAKE BAY CASE STUDY  
ANNAPOLIS, MARYLAND (CLEARINGHOUSE FOR FED SCI AND TECH INFORMATION NO. PB  
179-844)

AQUATIC PLANTS, BEACH EROSION, CHESAPEAKE BAY, HARBORS, SEA NETTLES,  
URBANIZATION, WATER POLLUTION, WATER RESOURCES DEVELOPMENT, WETLANDS

1969 VIRGINIA DIVISION OF WATER RESOURCES  
JAMES RIVER BASIN COMPREHENSIVE WATER RESOURCES PLAN. VOL 1-INTRODUCTION  
RICHMOND (ITS PLANNING BULLETIN 213)

FUTURE PLANNING (PROJECTED), JAMES RIVER, SALINITY, WATER RESOURCES  
DEVELOPMENT

1969 VIRGINIA INSTITUTE OF MARINE SCIENCE  
JAMES RIVER HYDRAULIC MODEL-- MULTI-PURPOSE MARINE RESEARCH TOOL FOR  
SCIENCE, GOVERNMENT AND INDUSTRY  
VIMS, MARINE RESOURCES ADVISORY SERIES 2

HYDRAULIC MODELS, JAMES RIVER, WATER RESOURCES DEVELOPMENT

1970 VIRGINIA DIVISION OF WATER RESOURCES  
JAMES RIVER BASIN COMPREHENSIVE WATER RESOURCES PLAN. VOL 2-ECONOMIC BASE  
STUDY  
RICHMOND (ITS PLANNING BULLETIN 214)

AGRICULTURE, ECONOMIC PREDICTION, HUMAN POPULATION, JAMES RIVER,  
RECREATION, SALINITY, WATER RESOURCES DEVELOPMENT

1970 VIRGINIA DIVISION OF WATER RESOURCES  
JAMES RIVER BASIN COMPREHENSIVE WATER RESOURCES PLAN. VOL 3-HYDROLOGIC  
ANALYSIS  
RICHMOND (ITS PLANNING BULLETIN 215)

CHEMICAL ANALYSIS, DRAINAGE PATTERNS (GEOLOGIC), GROUNDWATER, HYDROLOGIC  
DATA, JAMES RIVER, METEOROLOGICAL DATA, SALINITY, WATER RESOURCES  
DEVELOPMENT

1970 UNITED STATES DEPARTMENT OF THE INTERIOR  
CHESAPEAKE BAY, MARYLAND AND VIRGINIA  
IN NATIONAL ESTUARY STUDY, VOLUME 3, FISH AND WILDLIFE SERVICE, P. 65-112

ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, WATER CONSERVATION, WATER  
MANAGEMENT (APPLIED), WATER RESOURCES DEVELOPMENT

1970 VIRGINIA DIVISION OF WATER RESOURCES  
RAPPAHANNOCK RIVER BASIN, COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 219

AGRICULTURE, ECONOMICS, LONG-TERM PLANNING, RAPPAHANNOCK RIVER,  
RECREATION, RIVER BASINS, THERMAL CONDUCTIVITY, WATER RESOURCES  
DEVELOPMENT

1971 PLEASANTS JB  
THE TIDAL JAMES--A REVIEW  
VIMS SPECIAL REPORT 18 IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING

ECONOMIC IMPACT, ECONOMIC PREDICTION, HISTORY, JAMES RIVER, PROJECTS,  
WATER QUALITY CONTROL, WATER RESOURCES DEVELOPMENT

\*\*\*\*\* WATER RIGHTS \*\*\*\*\*

1964  
POWER UNDER ACT FOR SALE BY JAMES RIVER AND KANAWHA CO  
VA CODE, 1950, 12-37

CANALS, JAMES RIVER, LEGAL ASPECTS, WATER RIGHTS

1968 WALKER WR, COX WE  
WATER RESOURCES LAWS FOR VIRGINIA  
VPI WATER RESOURCES RESEARCH CENTER BULL 9

LEGAL ASPECTS, RIPARIAN RIGHTS, VIRGINIA, WATER RIGHTS

\*\*\*\*\* WATER SUPPLY \*\*\*\*\*

1965 UNITED STATES GEOLOGICAL SURVEY  
WATER RESOURCES DATA FOR VIRGINIA--1965  
WATER RESOURCES DIVISION

DISCHARGE (WATER), GAGING STATIONS, THIS EQUATION, VIRGINIA, WATER  
QUALITY, WATER SUPPLY

1969 UNITED STATES GEOLOGICAL SURVEY  
WATER RESOURCES DATA FOR VIRGINIA--1968  
WATER RESOURCES DIVISION

DISCHARGE (WATER), GAGING STATIONS, THIS EQUATION, VIRGINIA, WATER  
QUALITY, WATER SUPPLY

\*\*\*\*\* WATER TABLE \*\*\*\*\*

1971 HARRISON W ET AL  
GROUNDWATER FLOW IN A SANDY TIDAL BEACH. 1. ONE-DIMENSIONAL FINITE  
ELEMENT ANALYSIS  
WATER RESOURCES RESEARCH 7, 1313-1322 (VIMS CONTR 392)

MATHEMATICAL MODELS, SLIME, WATER TABLE

\*\*\*\*\* WATER TEMPERATURE \*\*\*\*\*

1947 LAMAR WL, WHETSTONE GW  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1945-1946  
VA DIVISION OF WATER RESOURCES AND POWER BULL 8

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1951 PRITCHARD DW  
DATA REPORT, OPERATION OYSTER SPAT 1 AND 2  
CHES BAY INST DATA REPT 7

CHEMICAL ANALYSIS, CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, WATER  
TEMPERATURE

1952 WHETSTONE GW, MCAVOY RL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1946-1948  
VA DIVISION OF WATER RESOURCES BULL 11

CHEMICAL ANALYSIS, DISCHARGE (WATER), JAMES RIVER, SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1953 CHESAPEAKE BAY INSTITUTE  
JAMES RIVER WINTER CRUISE 6-11 MAR 1952  
CHES BAY INST DATA REPT 13

CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, SALINITY, WATER  
TEMPERATURE, WEATHER DATA

1955 CHESAPEAKE BAY INSTITUTE  
JAMES RIVER WINTER CRUISE 2, 13-17 FEB 1953  
CHES BAY INST DATA REPT 25

CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, SALINITY, WATER  
TEMPERATURE, WEATHER DATA

1957 CONNOR JG, SCHROEDER ME  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1948-1951  
VA DIVISION OF WATER RESOURCES BULL 20

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 KAPUSTKA SF  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1954-1956  
VA DIVISION OF WATER RESOURCES BULL 22

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 SCHRÖEDER ME, KAPUSTKA SF  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1951-1954  
VA DIVISION OF WATER RESOURCES BULL 21

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1960 VIRGINIA DIV OF WATER RESOURCES  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA AUG 1958-FEB 1960  
VA DIV WATER RESOURCES BULL 23

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1964 VIRGINIA INSTITUTE OF MARINE SCIENCE  
JAMES RIVER MODEL DATA  
(VIMS MS)

CHEMICAL ANALYSIS, CURRENTS (WATER), DATA COLLECTIONS, HYDROGRAPHY, JAMES  
RIVER, SALINITY, WATER TEMPERATURE, WEATHER DATA

1967 SHIDLER JK, MACINTYRE WG  
HYDROGRAPHIC DATA COLLECTION FOR 'OPERATION JAMES RIVER-1964'  
VA INST MARINE SCIENCE DATA REPT 5

CURRENTS (WATER), DATA COLLECTIONS, DEPTH, HYDROGRAPHY, JAMES RIVER,  
SALINITY, WATER TEMPERATURE, WIND VELOCITY

1969 UNITED STATES GEOLOGICAL SURVEY. WATER RESOURCES DIVISION  
VIRGINIA WATER RESOURCES SUMMARY  
(MONTHLY RELEASE) RICHMOND, US GEOL SURVEY IN COOPERATION WITH VA DIV OF  
WATER RESOURCES

GROUNDWATER, RESERVOIRS, SUPERIMPOSED DRAINAGE, VIRGINIA, WATER  
TEMPERATURE

\*\*\*\*\* WATER UTILIZATION

\*\*\*\*\*

1932 COLLINS WD ET AL  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA  
VA DIVISION OF WATER RESOURCES AND POWER BULL 3

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER UTILIZATION

\*\*\*\*\* WATER WELLS

\*\*\*\*\*

1913 SANFORD S  
UNDERGROUND WATER RESOURCES OF THE COASTAL PLAIN PROVINCE OF VIRGINIA  
VA GEOL SURVEY BULL 5

ATLANTIC COASTAL PLAIN, GROUNDWATER, TANGIBLE COSTS, VIRGINIA, WATER  
WELLS

1937 FOSTER MD  
CHEMICAL CHARACTER OF THE GROUND WATERS OF THE SOUTH ATLANTIC COASTAL  
PLAIN  
WASH ACAD SCIENCES J 27, 405-412

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, CHEMICAL ANALYSIS,  
GROUNDWATER, WATER WELLS

1945 CEDERSTROM DJ  
GEOLOGY AND GROUND-WATER RESOURCES OF THE COASTAL PLAIN IN SOUTHEASTERN  
VIRGINIA  
VA GEOL SURVEY BULL 63

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, GROUNDWATER,  
HYDROGEOLOGY, VIRGINIA, WATER WELLS

1962 SINNOTT A, WHETSTONE GW  
FLUORIDE IN WELL WATERS OF THE VIRGINIA COASTAL PLAIN  
VA MINERALS 8(1), 4-11

AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, FLUORIDES, GROUNDWATER,  
VIRGINIA, WATER WELLS

\*\*\*\*\* WATERFLEAS

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1970 CHAMBERS JR ET AL  
OCCURRENCE OF LEPTODORA KINGTII (FOCKE) (CLADOCERA) IN VIRGINIA  
TRIBUTARIES OF CHESAPEAKE BAY  
CHES SCI 11, 255-261 (VIMS CONTR 360)

CHESAPEAKE BAY, CRUSTACEANS, SEASONAL DISTRIBUTION, VIRGINIA, WATERFLEAS

\*\*\*\*\* WATERFOWL

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1951 KLINGEL GC  
THE BAY  
CORNWALL PRESS, CORNWALL, N.Y.

CHESAPEAKE BAY, JELLYFISH, NATURAL RESOURCES, SALT MARSHES, WATERFOWL,  
WILDLIFE

1971 KERWIN JA  
ATLANTIC SHORE SALT MARSHES, VIRGINIA  
ATLANTIC NATURALIST 26, 71-74

MARSH PLANTS, SALT MARSHES, SLOPE PROTECTION, VIRGINIA, WATERFOWL

1971 WARNER WW  
MORE PLENTIE OF FOWLES  
ATLANTIC NATURALIST 26, 99-107

CHESAPEAKE BAY, WATER BIRDS, WATERFOWL

\*\*\*\*\* WATERSHEDS (BASINS) \*\*\*\*\*

1950 STOW MH  
GEOLOGY  
IN VA. ACADEMY OF SCIENCE, JAMES RIVER BASIN, PAST, PRESENT AND FUTURE, P.  
435-441

GEOLOGIC FORMATIONS, GEOLOGY, JAMES RIVER, RIVER SYSTEMS, WATERSHEDS  
(BASINS)

1970 VIRGINIA DIVISION OF WATER RESOURCES  
WATER RESOURCES LEGISLATIVE CONCERNS OF THE BOARD OF CONSERVATION AND  
ECONOMIC DEVELOPMENT, COMMONWEALTH OF VIRGINIA  
RICHMOND, VIRGINIA

LEGISLATION, STRUCTURAL RELAXATION, WATER DEMAND, WATER MANAGEMENT  
(APPLIED), WATERSHEDS (BASINS)

\*\*\*\*\* WAVES (WATER) \*\*\*\*\*

1959 BRETSCHNEIDER CL  
HURRICANE SURGE PREDICTIONS FOR CHESAPEAKE BAY  
UNITED STATES ARMY CORPS OF ENGINEERS, WASHINGTON, D.C., BEACH EROSION  
BOARD, MISC PAPER 3-59

BEACH EROSION, CHESAPEAKE BAY, HURRICANES, SLUDGE, WAVES (WATER)

\*\*\*\*\* WEATHER DATA \*\*\*\*\*

1953 CHESAPEAKE BAY INSTITUTE  
JAMES RIVER WINTER CRUISE 6-11 MAR 1952  
CHES BAY INST DATA REPT 13

CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, SALINITY, WATER  
TEMPERATURE, WEATHER DATA

1955 CHESAPEAKE BAY INSTITUTE  
JAMES RIVER WINTER CRUISE 2, 13-17 FEB 1953  
CHES BAY INST DATA REPT 25

CURRENTS (WATER), DATA COLLECTIONS, JAMES RIVER, SALINITY, WATER  
TEMPERATURE, WEATHER DATA

1964 VIRGINIA INSTITUTE OF MARINE SCIENCE  
JAMES RIVER MODEL DATA  
(VIMS MS)

CHEMICAL ANALYSIS, CURRENTS (WATER), DATA COLLECTIONS, HYDROGRAPHY, JAMES  
RIVER, SALINITY, WATER TEMPERATURE, WEATHER DATA

\*\*\*\*\* WETLANDS \*\*\*\*\*

1968 TRIDENT ENGINEERING ASSOCIATES, INCORPORATED  
CHESAPEAKE BAY CASE STUDY  
ANNAPOLIS, MARYLAND (CLEARINGHOUSE FOR FED SCI AND TECH INFORMATION NO. PB  
179-844)

AQUATIC PLANTS, BEACH EROSION, CHESAPEAKE BAY, HARBORS, SEA NETTLES,  
URBANIZATION, WATER POLLUTION, WATER RESOURCES DEVELOPMENT, WETLANDS

1969 WASS ML, WRIGHT TD  
COASTAL WETLANDS OF VIRGINIA  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 10

EROSION, HABITATS, LEGAL ASPECTS, MARSH MANAGEMENT, MARSH PLANTS, SLOPE  
PROTECTION, VIRGINIA, WETLANDS

1969 WASS ML, WRIGHT TD  
COASTAL WETLANDS OF VIRGINIA  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 10

EROSION, HABITATS, LEGAL ASPECTS, MARSH MANAGEMENT, MARSH PLANTS, SLOPE  
PROTECTION, VIRGINIA, WETLANDS

1970 VIRGINIA MARINE RESOURCES COMMISSION  
DREDGING AND DEVELOPMENT IN CHICKAHOMINY RIVER  
NEWPORT NEWS, MINUTES OF MEETINGS OF THE COMMISSION-- 28APR, 26MAY,  
28JULY, 23SEPT

CHICKAHOMINY RIVER, DREDGING, JAMES RIVER, LAND DEVELOPMENT, WETLANDS

1971 ANDREWS JD  
FISH FOR BEAUTY IN DISMAL SWAMP...  
VIRGINIA JOURNAL OF SCIENCE 22, 5-13

CONSERVATION, ECOLOGY, FRESHWATER FISH, DISMAL SWAMP (NC-VA), WILDLIFE,  
WETLANDS

1971 HARTWELL E  
WHEREWITH VIRGINIA'S WETLANDS  
ATLANTIC NATURALIST 26, 59-61

ADMINISTRATIVE AGENCIES, CONSERVATION, VIRGINIA, WETLANDS

1971 KERWIN JA  
DISTRIBUTION OF THE FIDDLER CRAB (UCA MINAX) IN RELATION TO MARSH PLANTS  
WITHIN A VIRGINIA ESTUARY  
CHES SCI 12, 180-183 (VIMS CONTR 396)

CRABS, DISTRIBUTION, MARSH PLANTS, WETLANDS, YORK RIVER

1972 CHESAPEAKE RESEARCH CONSORTIUM, INC.  
THE CHESAPEAKE BAY  
VOLUME I-A PROPOSAL FOR RESEARCH APPLIED TO NATIONAL NEEDS

CHESAPEAKE BAY, FUTURE PLANNING (PROJECTED), MANAGEMENT, PROJECT  
PLANNING, RESOURCE DEVELOPMENT, WETLANDS

\*\*\*\*\* WHITE BASS \*\*\*\*\*

1971 KERBY JH ET AL  
OCCURRENCE AND GROWTH OF STRIPED BASS-WHITE BASS HYBRIDS IN THE  
RAPPAHANNOCK RIVER, VIRGINIA  
TRANS AMER FISH SOC 100, 787-790 (VIMS CONTR 370)

RAPPAHANNOCK RIVER, SURFACE TENSION, HYBRID, WHITE BASS

\*\*\*\*\* WHITE PERCH \*\*\*\*\*

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 244-247

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, WHITE PERCH

1967 ALLEN N, PELCZAR MJ  
BACTERIOLOGICAL STUDIES ON THE WHITE PERCH, ROCCUS AMERICANUS  
CHES SCI 8, 135-154

ANIMAL PATHOLOGY, BACTERIA, FISH, FISH DISEASES, WHITE PERCH

1971 ST PIERRE RA  
AGE, GROWTH, AND MORTALITY OF THE WHITE PERCH...IN THE JAMES AND YORK  
RIVERS, VIRGINIA  
VIMS THESIS

GROWTH RATES, JAMES RIVER, MORTALITY, VIRGINIA, WHITE PERCH, YORK RIVER

\*\*\*\*\* WILD RIVERS \*\*\*\*\*

1971 MASSMANN WH  
THE SIGNIFICANCE OF AN ESTUARY ON THE BIOLOGY OF AQUATIC ORGANISMS OF THE  
MIDDLE ATLANTIC REGION  
SYMPOSIUM ON THE BIOLOGICAL SIGNIFICANCE OF ESTUARIES, SPORT FISHING INST.  
DOUGLAS PA, STROUD RH EDS 96-109

BIOLOGY, CHEMICALS, DREDGING, ESTUARIES, MARYLAND, VIRGINIA, WATER  
QUALITY, WILD RIVERS

\*\*\*\*\* WILDLIFE \*\*\*\*\*

1951 KLINGEL GC  
THE BAY  
CORNWALL PRESS, CORNWALL, N.Y.

CHESAPEAKE BAY, JELLYFISH, NATURAL RESOURCES, SALT MARSHES, WATERFOWL,  
WILDLIFE

1970 ANON  
CHESAPEAKE BAY FIGHTS FOR ITS LIFE  
BUSINESS WEEK 2114, 40-44

CRAB INDUSTRY, DREDGING, OYSTER INDUSTRY, POLLUTANTS, POPULATION, SIEVE  
ANALYSIS, WILDLIFE, INDUSTRIAL FISH

1970 SHURTLEFF BP  
SEEING CHESAPEAKE WILDS  
INTERNATIONAL MARINE PUBLISHING COMPANY, CAMDEN, MAINE

CHESAPEAKE BAY, PHOTOGRAPHY, SCENERY, WILDLIFE

1971 ANDREWS JD  
FISH FOR BEAUTY IN DISMAL SWAMP...  
VIRGINIA JOURNAL OF SCIENCE 22, 5-13

CONSERVATION, ECOLOGY, FRESHWATER FISH, DISMAL SWAMP (NC-VA), WILDLIFE,  
WETLANDS

\*\*\*\*\* WILDLIFE CONSERVATION \*\*\*\*\*

1957 UNITED STATES FISH AND WILDLIFE SERVICE. OFFICE OF RIVER BASIN  
STUDIES REGION 4  
PRELIMINARY REPORT ON THE CONSIDERED NAVIGATION CHANNEL IMPROVEMENTS,  
JAMES RIVER VA, IN RELATION TO FISH AND WILDLIFE RESOURCES

CHANNEL IMPROVEMENT, ECOLOGICAL IMPACT, JAMES RIVER, WILDLIFE  
CONSERVATION

1971 UNITED STATES DEPARTMENT OF THE INTERIOR  
A RE-EVALUATION OF THE POWER, WATER SUPPLY, WATER QUALITY,  
RECREATION...OF THE AUTHORIZED SALEM CHURCH RESERVOIR PROJECT  
BUREAU OF OUTDOOR RECREATION

ELECTRIC POWER DEMAND, GROUNDWATER, RAPPAHANNOCK RIVER, RECREATION  
DEMAND, WILDLIFE CONSERVATION

## \*\*\*\*\* WIND VELOCITY

1967 SHIDLER JK, MACINTYRE WG  
HYDROGRAPHIC DATA COLLECTION FOR 'OPERATION JAMES RIVER-1964'  
VA INST MARINE SCIENCE DATA REPT 5

CURRENTS (WATER), DATA COLLECTIONS, DEPTH, HYDROGRAPHY, JAMES RIVER,  
SALINITY, WATER TEMPERATURE, WIND VELOCITY

## \*\*\*\*\* WINDS

1968 STANLEY EM, NORCROSS JJ  
CIRCULATION OF THE SHELF WATERS OFF THE CHESAPEAKE BIGHT  
OCEAN SCIENCES & ENGINEERING OF THE ATLANTIC SHELF, SYMPOSIUM.  
TRANSACTIONS. MARINE TECHNOLOGY SOC, DELAWARE VALLEY SECTION

CONTINENTAL SHELF, CURRENTS (WATER), RUNOFF, SHALLOW WELLS, WINDS

1968 STANLEY EM, NORCROSS JJ  
CIRCULATION OF THE SHELF WATERS OFF THE CHESAPEAKE BIGHT  
OCEAN SCIENCES & ENGINEERING OF THE ATLANTIC SHELF, SYMPOSIUM.  
TRANSACTIONS. MARINE TECHNOLOGY SOC, DELAWARE VALLEY SECTION

CONTINENTAL SHELF, CURRENTS (WATER), RUNOFF, SHALLOW WELLS, WINDS

1970 MUNDAY WG JR ET AL  
OIL SLICK MOTION NEAR CHESAPEAKE BAY ENTRANCE  
WATER RESOURCES BULL 6(6), 879-884 (VIMS CONTR 357)

CHESAPEAKE BAY, CURRENTS (WATER), OILY WATER, THERMAL CONDUCTIVITY,  
WINDS, POLLUTANTS

## \*\*\*\*\* WINTER

1962 HOESE HD  
WINTER MORTALITIES OF OYSTERS ON THE EASTERN SHORE OF VIRGINIA, 1959 TO  
1961  
(VIMS MS)

JAMES RIVER, MORTALITY, OYSTERS, WINTER

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1969 MANGUM CP  
LOW TEMPERATURE BLOCKAGE OF THE FEEDING RESPONSE IN BOREAL AND TEMPERATE  
ZONE POLYCHAETES  
CHES SCI 10, 64-65

POLYCHAETES, SHAPE, WORMS, YORK RIVER

## \*\*\*\*\* YORK RIVER

1931 PRYTHERCH HF  
REPORT OF THE INVESTIGATION ON THE MORTALITY OF OYSTERS AND DECLINE OF  
OYSTER PRODUCTION IN VA WATERS  
US BUR FISH UNPUBL MS

JAMES RIVER, MORTALITY, OYSTER INDUSTRY, YORK RIVER

1932 ROBERTS JK  
LOWER YORK-JAMES PENINSULA  
VA GEOL SURVEY BULL 37

GEOLOGIC INVESTIGATIONS, GEOMORPHOLOGY, JAMES RIVER, SEDIMENTARY  
PETROLOGY, YORK RIVER

1930 ANDREFFG F  
STRATIGRAPHY AND PALEONTOLOGY OF THE YORKTOWN FORMATION OF VIRGINIA  
UNIVERSITY OF VA MASTERS THESIS

GEOLOGIC FORMATIONS, JAMES RIVER, PALEONTOLOGY, SULFUR BACTERIA, YORK  
RIVER

1935 MCGAVOCK CB, JR  
DESCRIPTIONS OF THE MAJORITY OF THE PELECYPODS OF THE YORKTOWN FORMATION  
OF VIRGINIA  
UNIV OF VA MASTERS THESIS

GEOLOGIC FORMATIONS, JAMES RIVER, MOLLUSKS, PALEONTOLOGY, SULFUR  
BACTERIA, YORK RIVER

1945 CEDERSTROM DJ  
STRUCTURAL GEOLOGY OF SOUTHEASTERN VIRGINIA  
AMER ASSOC PETROLEUM GEOLOGISTS BULL 29, 71-95

JAMES RIVER, MAGNETIC STUDIES, SURPLUS WATER, YORK RIVER

1945 ROGERS MR  
DISTRIBUTION OF THE FUNGUS LAGENIDIUM CALLINECTES COUCH AND ITS EFFECT ON  
EGGS OF THE BLUE CRAB  
VIMS THESIS

ANIMAL PARASITES, CRABS, FUNGI, YORK RIVER

1947 GALTSOFF PS, ET AL  
ECOLOGICAL AND PHYSIOLOGICAL STUDIES OF THE EFFECT OF SULFATE PULP MILL  
WASTES ON OYSTERS IN THE YORK RIVER, VIRGINIA  
SF+WS FISHERY BULLETIN 51, 43

ANIMAL PARASITES, ANIMAL PATHOLOGY, CURRENTS (WATER), OYSTERS,  
PHYTOPLANKTON, PIANKATANK RIVER, POLLUTANTS, PULP WASTES, VIRGINIA, YORK  
RIVER



1954 WOOD JT, GOODWIN OK  
OBSERVATIONS ON THE SUMMER BEHAVIOR AND MORTALITY OF BOX TURTLES IN  
EASTERN VIRGINIA  
VA J OF SCIENCE 5, 60-64

JAMES RIVER, MORTALITY, TEMPORAL DISTRIBUTION, TURTLES, YORK RIVER

1956 MCLEAN JD, JR  
FORAMINIFERA OF THE YORKTOWN FORMATION IN THE YORK-JAMES PENINSULA, WITH  
NOTES ON THE ASSOCIATED MOLLUSKS  
BULLS AM PALEONTOLOGY 36, 255-394

FORAMINIFERA, GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, MOLLUSKS,  
PALEONTOLOGY, SULFUR BACTERIA, YORK RIVER

1957 BEVAN AC  
GEOLOGIC ANCESTRY OF THE YORK-JAMES PENINSULA  
VA J SCIENCE 8, 19-34

GEOMORPHOLOGY, JAMES RIVER, YORK RIVER

1957 MCLEAN JD, JR  
OSTRACODA OF THE YORKTOWN FORMATION IN THE YORK-JAMES PENINSULA OF  
VIRGINIA...  
BULLS AM PALEONTOLOGY 38, 57-103

GEOLOGIC FORMATIONS, JAMES RIVER, MIOCENE EPOCH, OSTRACODS, PALEONTOLOGY,  
SULFUR BACTERIA, YORK RIVER

1958 LADD EC  
COMPARATIVE STUDY OF MERISTIC VARIATION IN THE AMERICAN EEL (ANGUILLA  
ROSTRATA) AND ATLANTIC ANCHOVY (ANCHOA MITCHILLI)  
VIMS THESIS

FISH PHYSIOLOGY, FISH POPULATIONS, JAMES RIVER, RAPPAHANNOCK RIVER,  
VARIABILITY, YORK RIVER

1959 WHEATLEY JJ ET AL  
ECONOMIC IMPLICATIONS OF THE YORK RIVER OYSTER INDUSTRY  
UNIVERSITY OF VIRGINIA

BEDS UNDER WATER, ECONOMIC IMPACT, OYSTER INDUSTRY, YORK RIVER

1960 MASSMANN WH, PACHECO AL  
DISAPPEARANCE OF YOUNG ATLANTIC CROAKERS FROM THE YORK RIVER, VIRGINIA  
AMER FISHERIES SOC TRANS 89, 154-159 (VIMS CONTR 91)

CROAKER, FISH POPULATIONS, JAMES RIVER, YORK RIVER

1961 MASSMANN WH, PACHECO AL  
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VA CODE,1950,TITLE 28.1 C 4 28.1-47 TO 28.1-81

FINFISH INDUSTRY, LEGAL ASPECTS, VIRGINIA

1969 ANON  
OYSTERS,CLAMS AND OTHER BIVALVES (REGULATIONS)  
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CLAM INDUSTRY, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA, LEGAL ASPECTS

1970 ANON  
SEASON FOR TAKING OYSTERS FROM PUBLIC ROCK  
VA CODE,1950, 28.1-82

BEDS UNDER WATER, CHESAPEAKE BAY, EASTERN SHORE (VA-MD), JAMES RIVER,  
LEGAL ASPECTS, OYSTER INDUSTRY, PUBLIC LANDS, VIRGINIA

1969 ANON  
OYSTERS TO BE CULLED AS TAKEN  
VA CODE,1950, 28.1-124

JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, VIRGINIA

1969 ANON  
EXEMPTED WATERS (CULLING LAW)  
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EASTERN SHORE (VA-MD), JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY,  
RAPPAHANNOCK RIVER

1970 ANON  
CLEAN CULL AREA  
VA CODE,1950, 28.1-85.1

JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY

1969 ANON  
ASSIGNMENTS OF PLANTING GROUNDS TO RIPARIAN OWNERS  
VA CODE,1950, 28.1-108

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, OWNERSHIP OF BEDS, OYSTER  
INDUSTRY, SOCIAL ASPECTS, VIRGINIA

1969 ANON  
FISH,OYSTERS,SHELLFISH AND OTHER MARINE LIFE  
VA CODE,1950 TITLE 28.1

CLAM INDUSTRY, CRAB INDUSTRY, FINFISH INDUSTRY, FISH MANAGEMENT, LEGAL  
ASPECTS, OYSTER INDUSTRY, SCALLOPS, SOCIAL ASPECTS, VIRGINIA

1969 ANON  
PROHIBITED AREA FOR PATENT TONGS  
VA CODE,1950, 28.1-83

CORROTOMAN RIVER, FISHING GEAR, JAMES RIVER, LEGAL ASPECTS, MOB JACK BAY,  
PIANKATANK RIVER, RAPPAHANNOCK RIVER

1969 ANON  
TAX ON OYSTERS TAKEN FROM PUBLIC ROCKS- REPORTS OF OYSTERS TAKEN FROM  
SEED AREA OF JAMES RIVER  
VA CODE,1950, 28.1-93

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, PUBLIC  
LANDS

1969 ANON  
LEASING OF CERTAIN BOTTOMS IN JAMES RIVER PROHIBITED  
VA CODE,1950, 28.1-145

BEDS UNDER WATER, JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY, PUBLIC  
LANDS

1969 ANON  
DREDGING FOR OYSTERS IN JAMES RIVER  
VA CODE,1950, 28.1-146

BEDS UNDER WATER, DREDGING, JAMES RIVER, LEGAL ASPECTS, OYSTER INDUSTRY,  
PUBLIC LANDS

1969 ANON  
AUTHORITY OF GOVERNOR TO AUTHORIZE DREDGING OF CHANNEL IN NAVIGABLE  
WATERS-SPECIAL PROVISIONS APPLICABLE TO JAMES RIVER BETWEEN JAMES RIVER  
BRIDGE AND JAMESTOWN ISLAND  
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CHANNEL IMPROVEMENT, DREDGING, JAMES RIVER, LEGAL ASPECTS

1970 ANON  
USE OF HAUL SEINE IN JAMES RIVER  
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FINFISH INDUSTRY, FISHING GEAR, JAMES RIVER, LEGAL ASPECTS



475

1968 ANON  
WATERS OF THE STATE, PORTS AND HARBORS  
VA CODE, 1950, TITLE 62.1

BEDS UNDER WATER, EROSION CONTROL, HARBORS, LEGAL ASPECTS, NAVIGABLE  
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1942 ANON  
VIRGINIA SCIENTISTS ADOPT NOVEL PROGRAM. JAMES RIVER PROJECT TO BE MODEL  
FOR FUTURE LONG RANGE PLANNING  
VA WILDLIFE 5, 66-68

FUTURE PLANNING (PROJECTED), JAMES RIVER, RIVER BASIN DEVELOPMENT, WATER  
RESOURCES DEVELOPMENT

1834 ANON  
RECENT HURRICANES IN VIRGINIA  
FARMER'S REGISTER 2, 120-122

HURRICANES, VIRGINIA

1932 ANON  
GREAT FLOODS IN JAMES RIVER  
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FLOODS, HISTORIC FLOOD, JAMES RIVER

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ANALYSIS, WILDLIFE, INDUSTRIAL FISH

1971 ANON  
CONTINGENCY PLAN FOR PREVENTION, CONTAINMENT, AND CLEANUP OF OIL AND  
HAZARDOUS MATERIALS FOR THE HAMPTON ROADS AREA  
HAMPTON ROADS MARITIME SOCIATION, NORFOLK, VIRGINIA

PLANT MORPHOLOGY, OILY WATER, POLLUTANTS, WATER POLLUTION CONTROL

476

1966 BACK W  
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MOVEMENT, HYDROGEOLOGY, HYDROLOGIC DATA

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(VIMS CONTR 60)

H7116  
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THROW LIGHT ON TODAY'S PROBLEMS  
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H0021  
COMMERCIAL FISHING, CRABS, HISTORY, OYSTERS

1964 BAILEY RS, HAVEN DS  
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BIGHT  
VIMS THESIS

BENTHIC FAUNA, CHESAPEAKE BAY, FISH BEHAVIOR, YORK RIVER

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PLANNING, RECREATION, TRANSPORTATION

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DEPOSITION (SEDIMENTS), GEOLOGIC INVESTIGATIONS, GEOMORPHOLOGY, JAMES  
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H1020  
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RESPIRATION, ELECTRON-TRANSPORT ENZYMES, AND KREBS-CYCLE ENZYMES IN EARLY  
DEVELOPMENTAL STAGES OF THE OYSTER *CRASSOSTREA VIRGINICA*  
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H1019  
EMBRYONIC GROWTH STAGE, ENZYMES, OYSTERS, RESPIRATION

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ALPHA AMYLASE DEVELOPMENT IN EMBRYOS OF *CRASSOSTREA VIRGINICA*  
BIOL BULL 126, 199-204 (VIMS CONTR 154)

H1021  
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AREA, VIRGINIA  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGRNG 15

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SURRY NUCLEAR POWER PLANT...  
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INSTRUMENTATION, JAMES RIVER, MONITORING, NUCLEAR POWERPLANTS, ON-SITE  
DATA COLLECTIONS, SILVERSIDES

1966 BOND GC, MEADE RH  
SIZE DISTRIBUTIONS OF MINERAL GRAINS SUSPENDED IN CHESAPEAKE BAY AND  
NEARBY COASTAL WATERS  
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C1300  
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BOUNDARIES (PROPERTY), LEGAL ASPECTS, VIRGINIA, SLUDGE

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REGION  
CHES SCI 10, 1-17

AMPHIPODA, CHESAPEAKE BAY, DISTRIBUTION PATTERNS, JAMES RIVER, PATUXENT  
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1963 BOWDEN EV  
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THE COPEPOD GENUS ACARTIA IN CHESAPEAKE BAY  
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G2013  
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481

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INTL J OCEANOL LIMNOL 1, 149-164 (VIMS CONTR 251)

C5206

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483

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C5206

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CHES SCI 11, 130-140 (VIMS CONTR 344)

C5404

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C5402

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H7910

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484

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C5505

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LATERALIS AND RANGIA CUNEATA, FAMILY MACRIDAE  
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H3003

CLAMS, DISTRIBUTION, SALINITY, SALT TOLERANCE

485

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NATL SHELLFISH ASSOC PROC 61, 80-85 (VIMS CONTR 388)  
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VIRGINIA

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VIRGINIA  
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AQUIFER CHARACTERISTICS, ATLANTIC COASTAL PLAIN, GROUNDWATER,  
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C0009  
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RIVER

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TRIBUTARIES OF CHESAPEAKE BAY  
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C5007  
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1965 CHANLEY P  
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CHESAPEAKE SCIENCE 6, 209-213 (VIMS CONTR 200)

H3010  
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1966 CHANLEY PE  
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H3013  
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RAFINESQUE...  
NATIONAL SHELLFISHERIES ASSOC PROC 60, 86-94 (VIMS CONTR 336)

C5018  
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487

1966 CHANLEY P, CASTAGNA M  
SALINITY TOLERANCE AND DISTRIBUTION OF SPISULA SOLIDISSIMA, MULINIA  
LATERALIS AND RANGIA CUNEATA, FAMILY MACRIDAE  
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H3003  
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LARVAL DEVELOPMENT OF THE STOUT RAZOR CLAM, TAGELUS PLEBEIUS SOLANDER  
(SOLECURTIDAE, BIVALVIA)  
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1955 CHESAPEAKE BAY INSTITUTE  
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1964 CHRISTY FT  
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SOUTHEASTERN VIRGINIA  
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GEOMORPHOLOGY, JAMES RIVER, PLEISTOCENE EPOCH, SULFUR BACTERIA

1968 COCH NK  
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QUADRANGLES, VIRGINIA  
A DIV MINERAL RES., REPT OF INVESTIGATIONS 17

DEPOSITION (SEDIMENTS), GEOLOGIC INVESTIGATIONS, GEOMORPHOLOGY, JAMES  
RIVER, SULFUR BACTERIA

1969 COCH NK, BICK KF  
GEOLOGY OF THE WILLIAMSBURG, HOG ISLAND, AND BACONS CASTLE QUADRANGLES,  
VIRGINIA  
VA DIV MINERAL RESOURCES, REPORT OF INVESTIGATIONS 18

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RIVER, SULFUR BACTERIA

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VIRGINIA CAVALCADE 1(2), 20-22

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1930 COLLINS WD ET AL  
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CHEMICAL ANALYSIS, JAMES RIVER, SEDIMENT LOAD, THERMAL CONDUCTIVITY,  
VIRGINIA

1932 COLLINS WD ET AL  
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CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
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VA J SCIENCE 20, 16-18 (VIMS CONTR 297)

C5406  
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SCYPHOZOA

1969 CONES HN JR, HAVEN DS  
DISTRIBUTION OF CHRYSAORA QUINQUECIRRHA IN THE YORK RIVER  
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C1210  
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BACTERIA

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CATALOG  
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BACTERIA

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H3015  
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DIATOMACEOUS SANDS OF RICHMOND, VIRGINIA  
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DIATOMACEOUS EARTH, JAMES RIVER, SANDS

1969 COWLWELL RR  
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GOD-DRUGS FROM THE SEA PROC 1969 HW YOUNGKEN ED

ANIMAL PATHOLOGY, BACTERIA, AQUATIC MICROORGANISMS, CRABS, INVERTEBRATES

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WATER RESOURCES LAWS FOR VIRGINIA  
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LEGAL ASPECTS, RIPARIAN RIGHTS, VIRGINIA, WATER RIGHTS

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H1016  
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ATLANTIC COASTAL PLAIN, CENOZOIC ERA, GEOLOGIC FORMATIONS, MARYLAND,  
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VIRGINIA

492

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ECONOMIC GEOLOGY OF RICHMOND, VIRGINIA, AND VICINITY  
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CLAYS, DIATOMACEOUS EARTH, EARTH MATERIALS, ECONOMICS, GEOLOGIC  
FORMATIONS, GRANITES, JAMES RIVER

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1965 DAVIS CC  
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B6005  
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1964 DAVIS RV ET AL  
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1927 DIRZULAITIS JJ, STEVENS GC  
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H3007

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H3018

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DISCHARGE (WATER), HURRICANES, JAMES RIVER, THIS EQUATION, YORK RIVER

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C1304  
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FACILITIES

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C1302  
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RIVER, SEDIMENTS

495

1970 ELLISON RL, NICHOLS MM  
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C1305  
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CRASSOSTREA VIRGINICA  
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BACTERIA

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BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, MARINE FISH



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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 216-234

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 200-210

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 192-197

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, MULLET

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 197-199

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 199-200

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 164-178

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FLATFISH, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
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BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SUBSICENCE

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 187-192

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SOIL CEMENT

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 151-152

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 152-154

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 134-145

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
KILLIFISHES

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 145-147

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 147-151

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 129-130

CATFISHES, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 130-131

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 132-134

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, PIKE, TROUT

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 117-120

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TARIFF

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 120-127

CARP, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 127-129

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 102-105

ANADROMOUS FISH, ATLANTIC MENHADEN, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 108-111

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 85-89

ANADROMOUS FISH, BLUEBACK HERRING, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 89-93

ALEWIVES, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 93-100

AMERICAN SHAD, ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY

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1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 77-78

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, GARS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 78-80

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 81-115

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 44-54

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SNOW COVER

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 55-72

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SOIL DENSITY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 72-77

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 8-32

CHESAPEAKE BAY, COMMERCIAL FISH, FISHERIES, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 42-43

AQUATIC ANIMALS, CHESAPEAKE BAY, DISTRIBUTION

511

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 43-44

ANADROMOUS FISH, CHESAPEAKE BAY, DISTRIBUTION, LAMPREYS, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 234-236

CHESAPEAKE BAY, COBIA, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 236-238

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 238-244

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TENSILE STRESS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 244-247

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, STREAM IMPROVEMENT, WHITE PERCH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 247-249

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, STREAM IMPROVEMENT, SURFACE TENSION

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 250-253

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SEA BASSES

512

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 253-268

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 261-265

CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SCUP

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269-271

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-276

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, STREAMBEDS

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 283-287

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, CROAKER, DISTRIBUTION, FISH TAXONOMY

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 296-299

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, STREAMFLOW FORECASTING

513

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 300-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, GREY SEA TROUT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 305-312

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 312-316

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 316-317

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 317-321

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 321-322

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 322-328

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 328-329

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

514

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 329-353

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 353-354

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 354-355

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1952 HOBBS HH JR, MASSMANN WH  
RIVER SHRIMP, MACROBRACHIUM OHIONE (SMITH), IN VIRGINIA  
VA J SCIENCE 3, 206-207 (VIMS CONTR 40)  
H6012  
ECOLOGICAL DISTRIBUTION, JAMES RIVER, SOCIAL ASPECTS, SODIUM ARSENITE

1962 HOESE MD  
WINTER MORTALITIES OF OYSTERS ON THE EASTERN SHORE OF VIRGINIA, 1959 TO  
1961  
(VIMS MS)

JAMES RIVER, MORTALITY, OYSTERS, WINTER

1962 HOESE MD  
STUDIES ON OYSTER SCAVENGERS AND THEIR RELATION TO THE FUNGUS  
DERMOCYSTIDIUM MARINUM  
NATL SHELLFISH ASSOC PROC 53, 161-174 (VIMS CONTR 162)  
H4519  
DERMOCYSTIDIUM, OYSTERS, SCAVENGERS, MARINE FUNGI, ANIMAL PATHOLOGY,  
CRABS

1963 HOFFMAN RA  
ACCESSORY GLANDS AND THEIR DUCTS IN THE REPRODUCTIVE SYSTEM OF THE MALE  
TOADFISH...  
CHES SCI 4, 30-37

BENTHIC FAUNA, CHESAPEAKE BAY, MARINE FISH, REPRODUCTION

1963 HOFFMAN RA  
GONADS, SPERMATIC DUCTS, AND SPERMATOGENESIS IN THE REPRODUCTIVE SYSTEM  
OF PALE TOADFISH...  
CHES SCI 4, 21-29 (CONTR 225, NAT RES INST, MD UNIV)

BENTHIC FAUNA, BREEDING, CHESAPEAKE BAY, MARINE FISH, REPRODUCTION

1966 HOGARTH WT, WOOLCOTT WS  
MOUNTAIN STRIPEBACK DARTER, PERCINA NOTOGRAMMA MONTUOSA, N SSP FROM UPPER  
JAMES RIVER, VA  
CHES SCIENCE 7, 101-109

FISH PHYSIOLOGY, JAMES RIVER, VARIABILITY

1971 HOLDEN C  
CHESAPEAKE BAY  
SCIENCE 172, 825-827

ADMINISTRATIVE AGENCIES, CHESAPEAKE BAY, CONSERVATION, MARYLAND, NUCLEAR  
POWERPLANTS, SOCIAL ASPECTS, SIEVE ANALYSIS, VIRGINIA, WATER POLLUTION

1943 HOPKINS SH  
THE EXTERNAL MORPHOLOGY OF THE FIRST AND SECOND ZOEAL STAGES OF THE BLUE  
CRAB, CALLINECTES SAPIDUS RATHBUN  
AMER MICROS SOC TRANS 62, 85-90 (VIMS CONTR 10)  
H5012  
CHESAPEAKE BAY, CRABS, HATCHING, LARVAL GROWTH STAGE, MOLTING, MORPHOLOGY

1944 HOPKINS SH, SANDOZ M  
ZOEAL LARVAE OF THE BLUE CRAB CALLINECTES SAPIDUS RATHBUN  
J WASH ACAD SCIENCES 34, 132-133 (VIMS CONTR 13)  
H5009  
CRABS, HATCHING, LARVAL GROWTH STAGE, SALINITY, SHALLOW WELLS

1947 HOPKINS SH  
THE NEMERTEAN CARCINONEMERTES AS AN INDICATOR OF THE SPAWNING HISTORY OF  
THE HOST, CALLINECTES SAPIDUS  
J. PARASIT. 33(2), 146-150  
H5018  
CRABS, NEMERTEANS, STOKES LAW, VIRGINIA

1962 HOPKINS SH  
DISTRIBUTION OF SPECIES OF CLIONA (BORING SPONGE) ON THE EASTERN SHORE OF  
VIRGINIA IN RELATION TO SALINITY  
CHES SCI 3, 121-124  
H4513  
BENTHIC FAUNA, EASTERN SHORE (VA-MD), PREDATION, SALINITY, TURBIDITY

1951 HOPKINS TC JR, BURT WV  
INSHORE SURVEY PROGRAM INTERIM REPORT III  
CHES BAY INST, JOHNS HOPKINS UNIVERSITY, REFERENCE 51-8

BATHYTHERMOGRAPHS, CHESAPEAKE BAY, DISTRIBUTION, SALINITY, SEASONAL,  
SHALLOW WELLS

1962 HUMP HJ  
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VIMS SPEC SCI REPT 37  
C5305  
EASTERN SHORE (VA-MD), MARINE ALGAE

1966 HUNN JB  
SOME BLOOD CHEMISTRY VALUES FOR FIVE CHESAPEAKE BAY AREA FISHES  
CHES SCI 7, 173-175

BIOCHEMISTRY, FISH, GUNPOWDER RIVER, MD, PATUXENT RIVER, SALTS

1968 HUNTER JH  
RESEARCH AND DEVELOPMENT FACILITIES AND PERSONNEL--VIRGINIA, 1968  
VIRGINIA GOVERNORS OFFICE, DIVISION OF INDUSTRIAL DEVELOPMENT, RICHMOND,  
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EMPLOYMENT, FACILITIES, LABORATORIES, RESEARCH AND DEVELOPMENT, RESEARCH  
FACILITIES, UNIVERSITIES, VIRGINIA

1971 HYER PV ET AL  
HYDROGRAPHY AND HYDRODYNAMICS OF VIRGINIA ESTUARIES. II. STUDIES OF THE  
DISTRIBUTION OF SALINITY AND DISSOLVED OXYGEN IN THE UPPER YORK SYSTEM  
VIMS SPEC REPT APPL MAR SCI AND OCEAN ENGRNG 13  
C0021  
COMPUTER PROGRAMS, DISSOLVED OXYGEN, ESTUARIES, HYDROGRAPHY, MATHEMATICAL  
MODELS, MATTAPONI RIVER, PAMUNKEY RIVER, SALINITY, YORK RIVER

1881 INGERSOLL E  
A REPORT ON THE OYSTER INDUSTRY OF THE UNITED STATES  
US DEPARTMENT OF THE INTERIOR

COMMERCIAL FISHING, DREDGING, JAMES RIVER, OYSTER INDUSTRY, UNITED  
STATES, VIRGINIA

1962 ISAACSON PA  
MODIFICATIONS OF THE CHESAPEAKE BAY COMMERCIAL CRAB POT  
VIMS THESIS

CHESAPEAKE BAY, CRAB INDUSTRY, FISHING GEAR

517

1950 JAMES RIVER PROJECT COMMITTEE, VIRGINIA ACADEMY OF SCIENCE  
JAMES RIVER BASIN, PAST, PRESENT AND FUTURE  
RICHMOND, VA ACAD SCIENCE

ANIMAL POPULATIONS, CONSERVATION, ECOLOGY, GEOLOGIC INVESTIGATIONS,  
HISTORY, JAMES RIVER, RECREATION, RIVER BASIN DEVELOPMENT, TRANSPORTATION

1970 JENSEN LD  
COOLING WATER STUDIES FOR EDISON ELECTRIC INST, INTERIM REPORT SITE 12,  
JAMES RIVER CHESTERFIELD STA, VEPCO  
JOHNS HOPKINS DEPT OF GEOG AND ENVIRON ENGINEERING

COOLING WATER, ECOLOGICAL DISTRIBUTION, JAMES RIVER, WATER CHEMISTRY,  
WATER QUALITY

1969 JOHNSON GH  
GUIDEBOOK TO THE GEOLOGY OF THE LOWER YORK-JAMES PENINSULA AND SOUTH BANK  
OF THE JAMES RIVER  
COLLEGE OF WILLIAM AND MARY, DEPT OF GEOLOGY GUIDEBOOK 1

GEOLOGIC FORMATIONS, GEOLOGY, GEOMORPHOLOGY, JAMES RIVER, SULFUR  
BACTERIA, YORK RIVER

1971 JOHNSON MF  
THE GENERA CARPHEPHORUS, MIKANIA AND KUHNIA (EUPATORIEAE-ASTERACEAE) IN  
VIRGINIA  
VA J SCIENCE 22, 38-41

DISTRIBUTION, PLANT GROUPINGS, PLANTS, THUNDERSTORMS, VIRGINIA

1970 JOHNSON TW, WALKER WR  
FLOOD DAMAGE ABATEMENT--FEDERAL ASSISTANCE TO LOCAL GOVERNMENT  
VA POLYTECHNIC INST WATER RESOUR RESEARCH CENT BULL 39

FLOOD CONTROL, GOVERNMENT SUPPORTS, JAMES RIVER, UNITED STATES

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A SURVEY OF THE SHORELINE FAUNA OF THE NORFOLK PENINSULA  
AMER MIDLAND NATURALIST 41, 436-446

BENTHIC FAUNA, CLASSIFICATION, INVERTEBRATES, JAMES RIVER

1964 JOSEPH EB ET AL  
SPAWNING OF THE COBIA, RACHYCENTRON CANADUM, IN THE CHESAPEAKE BAY AREA,  
WITH OBSERVATIONS OF JUVENILE SPECIMENS  
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H7108  
CHESAPEAKE BAY, COBIA, EGGS, JUVENILE FISHES, SEASONAL DISTRIBUTION,  
STOKES LAW

518

1957 KAPUSTKA SF  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1954-1956  
VA DIVISION OF WATER RESOURCES BULL 22

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1957 KAPUSTKA SF, SCHROEDER ME  
CHEMICAL AND PHYSICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1951-1954  
VA DIVISION OF WATER RESOURCES BULL 21

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1964 KENK VC  
A NEW CRAB HOST OF THE GREGARINE NEMATOPSIS OSTREARUM  
NATL SHELLFISH ASSOC PROC 55, 87-88 (VIMS CONTR 206)  
H6008  
CRABS, OYSTERS, PARASITISM, PROTOZOA

1956 KENT RE, PRITCHARD DW  
METHOD FOR DETERMINING MEAN LONGITUDINAL VELOCITIES IN A COASTAL PLAIN  
ESTUARY  
J MAR RES 15, 81-91 (CHES BAY INST CONTR 26)

CURRENTS (WATER), ESTUARIES, HYDROLOGIC EQUATION, JAMES RIVER, PHYSICAL  
OCEANOGRAPHY, SALINITY

1953 KENT RE, PRITCHARD DW  
REDUCTION AND ANALYSIS OF DATA FROM JAMES RIVER OPERATION OYSTER SPAT  
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DATA COLLECTIONS, JAMES RIVER, SALINITY, STRUCTURE, THERMAL RADIATION

1971 KERBY JH ET AL  
OCCURRENCE AND GROWTH OF STRIPED BASS-WHITE BASS HYBRIDS IN THE  
RAPPAHANNOCK RIVER, VIRGINIA  
TRANS AMER FISH SOC 100, 787-790 (VIMS CONTR 37C)  
H7131  
RAPPAHANNOCK RIVER, SURFACE TENSION, HYBRID, WHITE BASS

1971 KERWIN JA  
ATLANTIC SHORE SALT MARSHES, VIRGINIA  
ATLANTIC NATURALIST 26, 71-74

MARSH PLANTS, SALT MARSHES, SLOPE PROTECTION, VIRGINIA, WATERFOWL

519

1971 KERWIN JA, PEDIGO RA  
SYNECOLOGY OF A VIRGINIA SALT MARSH  
CHES SCI 12, 125-130 (VIMS CONTR 397)

ECOLOGICAL DISTRIBUTION, MARSH PLANTS, MOBJACK BAY, PLANT POPULATIONS,  
SALT MARSHES

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WITHIN A VIRGINIA ESTUARY  
CHES SCI 12, 180-183 (VIMS CONTR 396)

CRABS, DISTRIBUTION, MARSH PLANTS, WETLANDS, YORK RIVER

1961 KING AB  
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IN THIRTEEN VIRGINIA CITIES, 1956-1960  
COLLEGE OF WILLIAM AND MARY, WILLIAMSBURG, VA.  
FOOD  
CITIES, ECONOMICS, VIRGINIA

1969 KINGSTON N ET ALL  
STUDIES ON LARVAL MONOGENEA OF FISHES FROM THE CHESAPEAKE BAY AREA  
J PARASITOLOGY 55, 544-558 (VIMS CONTR 305)  
H7907  
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1951 KLINGEL GC  
THE BAY  
CORNWALL PRESS, CORNWALL, N.Y.

CHESAPEAKE BAY, JELLYFISH, NATURAL RESOURCES, SALT MARSHES, WATERFOWL,  
WILDLIFE

1968 KOLESSAR MA  
THE STATUS OF THE CHESAPEAKE BAY STUDY AND MODEL  
IN GOVERNOR'S CONFERENCE ON CHESAPEAKE BAY, WYE INSTITUTE, SEPTEMBER  
12-13, P. 115-124

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RESOURCES DEVELOPMENT

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DESCRIPTIONS OF FECAL PELLETS OF SOME COMMON INVERTEBRATES IN THE LOWER  
YORK RIVER AND LOWER CHESAPEAKE BAY, VIRGINIA  
VIMS THESIS

ANIMAL WASTES (WILDLIFE), CHESAPEAKE BAY, INVERTEBRATES, YORK RIVER

520

1969 KRANTZ GE, ET AL  
VIBRIO PARAHAEVOLYTICUS FROM THE BLUE CRAB CALLINectes SAPIDUS IN  
CHESAPEAKE BAY  
SCIENCE 164(3885), 1286-1287

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1971 KUSHINS LJ, MANGUM CP  
RESPONSES TO LOW OXYGEN CONDITIONS IN TWO SPECIES OF THE MUD SNAIL  
NASSARIUS  
COMP BIOCHEM PHYSICL 39A, 421-435

OXYGEN REQUIREMENTS, RESPIRATION, SOIL STABILIZATION

1961 LACEY JR, PATTEN BC  
DISTRIBUTION OF AMMONIA NITROGEN IN THE LOWER YORK RIVER, VIRGINIA  
VIMS SPECIAL SCIENTIFIC REPT 25  
C1208  
AMMONIA, DATA COLLECTIONS, DISTRIBUTION, NITRATES, SALTATION, STRUCTURAL  
SHAPES, YORK RIVER

1958 LADD EC  
COMPARATIVE STUDY OF MERISTIC VARIATION IN THE AMERICAN EEL (ANGUILLA  
ROSTRATA) AND ATLANTIC ANCHOVY (ANCHOA MITCHILLI)  
VIMS THESIS

FISH PHYSIOLOGY, FISH POPULATIONS, JAMES RIVER, RAPPAHANNOCK RIVER,  
VARIABILITY, YORK RIVER

1947 LAMAR WL, WHETSTONE GW  
CHEMICAL CHARACTER OF SURFACE WATERS OF VIRGINIA 1945-1946  
VA DIVISION OF WATER RESOURCES AND POWER BULL 8

CHEMICAL ANALYSIS, DISCHARGE (WATER), SEDIMENT LOAD, THERMAL  
CONDUCTIVITY, VIRGINIA, WATER TEMPERATURE

1939 LANG AG, NEWCOMBE CL  
THE DISTRIBUTION OF PHOSPHATES IN THE CHESAPEAKE BAY  
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CHESAPEAKE BAY, DISTRIBUTION, PHOSPHATES, SEASONAL DISTRIBUTION

1969 LANG MA  
VOLUME CONTROL IN HYPOTONIC SALINE BY MUSCLES OF THE BLUE  
CRAB, CALLINECTES SAPIDUS RATHBUN  
PHD THESIS UNIV MARYLAND DISS ABS 29(10)3891B

CRABS, SALINITY, HISTOLOGICAL INVESTIGATIONS

521

1969 LANG MA, GAINER H  
ISOSMOTIC INTERCELLULAR REGULATION AS A MECHANISM OF VOLUME CONTROL IN  
CRAB MUSCLE FIBERS  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY 30, 445-456

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1969 LAWLER AR  
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VIRGINIA

CHES SCI 10, 65-67 (VIMS CONTR 302)  
C5607

OYSTERS, PLATYHELMINTHES, RANGES, VIRGINIA

1971 LEONARD SB  
LARVAE OF THE FOURSPOT FLOUNDER, HIPPOGLOSSINA OBLONGA...FROM THE  
CHESAPEAKE BIGHT, WESTERN NORTH ATLANTIC

H7135

BENTHIC FAUNA, LARVAL GROWTH STAGE, MARINE FISH, MIDDLE ATLANTIC BIGHT

1942 LOCHHEAD MS, NEWCOMBE CL  
METHODS OF HATCHING EGGS OF THE BLUE CRAB  
VA J SCIENCE 3, 76-86 (VIMS CONTR 9)

H5013

CHESAPEAKE BAY, CRABS, EGGS, HATCHING, LARVAL GROWTH STAGE, MOLTING

1929 LODEWICK JE  
WOOD-USING INDUSTRIES OF VIRGINIA  
VA POLYTECH INST BULL VOL 23 NO 1

FORESTRY, INDUSTRIES, LUMBERING, VIRGINIA

1970 LOETTERLE LE  
THE VASCULAR FLORA OF JAMESTOWN ISLAND, JAMES CITY COUNTY, VIRGINIA  
WILLIAM AND MARY THESIS

ECOLOGICAL DISTRIBUTION, ISLANDS, JAMES RIVER, MARSH PLANTS, VEGETATION

1932 LOOSANOFF VL  
OBSERVATIONS ON PROPAGATION OF OYSTERS IN JAMES AND CORROTOMAN RIVERS AND  
THE SEASIDE OF VIRGINIA  
NEWPORT NEWS, VA COMMISSION OF FISHERIES

BEDS UNDER WATER, CORROTOMAN RIVER, DRAINAGE, EASTERN SHORE (VA-MD),  
HYDROGRAPHY, JAMES RIVER, OYSTER INDUSTRY, OYSTERS

522

1970 LUDWICK JC  
SAND WAVES AND TIDAL CHANNELS IN THE ENTRANCE TO CHESAPEAKE BAY  
CLO DOMINICN UNIVERSITY, INSTITUTE OF OCEANOGRAPHY TECH REPORT 1

CHESAPEAKE BAY, SAND WAVES, SEDIMENT TRANSPORT, SLIME

1969 LUDWIGSON JO  
CHESAPEAKE BAY  
OCEANS 1(5), 7-16

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1965 LYNCH MP  
EFFECTS OF ENVIRONMENTAL SALINITY ON FREE AMINO ACIDS OF CRASSOSTREA  
VIRGINICA  
(VIMS THESIS)

AMINO ACIDS, JAMES RIVER, OYSTERS, PHYSIOLOGICAL ECOLOGY, SALINITY, YORK  
RIVER

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VARIATIONS IN SOME SERUM CONSTITUENTS OF THE BLUE CRAB CALLINectes  
SAPIDUS  
VIMS DISSERTATION

AMINO ACIDS, BIOCHEMISTRY, BIOINDICATORS, CARBOHYDRATES, CHLORIDES,  
CRABS, OSMOTIC PRESSURE, PROTEINS

1972 LYNCH MP, BOON JD III  
TIDAL DATUM PLANES AND TIDAL BOUNDARIES AND THEIR USE AS LEGAL  
BOUNDARIES--A STUDY WITH RECOMMENDATIONS FOR VIRGINIA  
VIMS SPEC REPT APPL MAR SCI AND OCEAN ENGINEERING 22

BOUNDARIES (PROPERTY), LEGAL ASPECTS, VIRGINIA, SLUDGE

1971 LYNCH MP, HARGIS WJ JR  
VIRGINIA STATE AGENCIES CONCERNED WITH COASTAL ZONE PLANNING, MANAGEMENT,  
OR SCIENTIFIC AND ENGINEERING ACTIVITIES  
VIMS SPEC REPT IN APPL MAR SCI AND OCEAN ENGINEERING 14 (2ND EDITION)  
12504

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1970 LYNCH MP, HARRISON W  
SEDIMENTATION CAUSED BY A TUBE-BUILDING AMPHIPOD  
J SEDIMENTARY PETROLOGY MARCH 1970, 434-436 (VIMS CONTR 314)  
C4004

AMPHIPODA, BIODEPOSITION, YORK RIVER, BENTHIC FAUNA



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VIRGINICA GMEIN  
COMP BIOCHEM PHYSIOL 19, 783-790 (VIMS CONTR 222)  
H1018  
AMINO ACIDS, JAMES RIVER, OYSTERS, PHYSIOLOGICAL ECOLOGY, SALINITY, YORK  
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 FISHES OF CHESAPEAKE BAY  
 US BUR FISH BULL 43, PART 1, 210-216

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
 TAXONOMY, MARINE FISH

548

1927 SCHROEDER WC, HILDEBRAND SF  
 FISHES OF CHESAPEAKE BAY  
 US BUR FISH BULL 43, PART 1, 216-231

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
 IMPROVEMENT

1927 SCHROEDER WC, HILDEBRAND SF  
 FISHES OF CHESAPEAKE BAY  
 US BUR FISH BULL 43, PART 1, 231-234

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
 IMPROVEMENT

1927 SCHROEDER WC, HILDEBRAND SF  
 FISHES OF CHESAPEAKE BAY  
 US BUR FISH BULL 43, PART 1, 200-207

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
 FISHES OF CHESAPEAKE BAY  
 US BUR FISH BULL 43, PART 1, 208-209

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 HILDEBRAND SF, SCHROEDER WC  
 FISHES OF CHESAPEAKE BAY  
 US BUR FISH BULL 43, PART 1, 209-210

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
 FISHES OF CHESAPEAKE BAY  
 US BUR FISH BULL 43, PART 1, 192-197

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
 FISH, MULLET

1927 SCHROEDER WC, HILDEBRAND SF  
 FISHES OF CHESAPEAKE BAY  
 US BUR FISH BULL 43, PART 1, 197-199

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
 FISHES OF CHESAPEAKE BAY  
 US BUR FISH BULL 43, PART 1, 199-200

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

549

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 164-178

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FLATFISH, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 178-187

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SUBSIDENCE

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 187-192

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SOIL CEMENT

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 151-152

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 152-154

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 134-145

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
KILLIFISHES

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 145-147

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY

550

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 147-151

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 129-130

CATFISHES, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 130-131

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 132-134

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, PIKE, TROUT

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 117-120

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TARIFF

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 120-127

CARP, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 127-129

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 102-105

ANADROMOUS FISH, ATLANTIC MENHADEN, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 108-111

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 85-89

ANADROMOUS FISH, BLUEBACK HERRING, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY, HERRINGS

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 89-93

ALEWIVES, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY,  
HERRINGS

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 93-100

AMERICAN SHAD, ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH,  
DISTRIBUTION, FISH TAXONOMY

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 77-78

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY,  
FRESHWATER FISH, GARS

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 78-80

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 81-115

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, HERRINGS

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 44-54

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SNOW COVER

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 55-72

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, SCIL DENSITY

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 72-77

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 8-32

CHESAPEAKE BAY, COMMERCIAL FISH, FISHERIES, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 42-43

AQUATIC ANIMALS, CHESAPEAKE BAY, DISTRIBUTION

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 43-44

ANADROMOUS FISH, CHESAPEAKE BAY, DISTRIBUTION, LAMPREYS, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 234-236

CHESAPEAKE BAY, COBIA, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 236-238

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH

553

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 238-244

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, FRESHWATER FISH, TENSILE  
STRESS

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 244-247

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, WHITE PERCH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 247-249

ANADROMOUS FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAM IMPROVEMENT, SURFACE TENSION

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 250-253

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SEA BASSES

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 253-255

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 255-256

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 256-257

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 257-261

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

554

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 261-268

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 261-265

CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH, SCUP

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 269-271

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 271-276

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAMBEDS

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 283-287

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, CROAKER,  
DISTRIBUTION, FISH TAXONOMY

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 296-299

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, STREAMFLOW FORECASTING



555

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 300-305

BRACKISH-WATER FISH, CHESAPEAKE BAY, COMMERCIAL FISH, DISTRIBUTION, FISH  
TAXONOMY, GREY SEA TROUT

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 305-306

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 306-308

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 308-309

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 309-311

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 311-312

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 312-316

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 316-317

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

556

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 317-321

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH, STREAM  
IMPROVEMENT

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 321-322

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 322-328

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 328-329

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 329-332

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 332-335

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 337-338

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 339-340

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE  
FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 340-351

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 351-353

BRACKISH-WATER FISH, CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 353-354

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

1927 SCHROEDER WC, HILDEBRAND SF  
FISHES OF CHESAPEAKE BAY  
US BUR FISH BULL 43, PART 1, 354-355

CHESAPEAKE BAY, DISTRIBUTION, FISH TAXONOMY, MARINE FISH

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BRACKISH WATER, FUNGI, MARINE FUNGI, YORK RIVER

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SETTING AND GROWTH OF THE AMERICAN OYSTER, CRASSOSTREA VIRGINICA, ON NAVIGATION BUCYS IN THE LOWER CHESAPEAKE BAY  
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BUOYS, CHESAPEAKE BAY, GROWTH RATES, OYSTERS

1967 SHAW WN, GRIFFITH GT  
EFFECTS OF POLYSTREAM AND DRILLEX ON OYSTER SETTING IN CHESAPEAKE BAY AND CHINCOTEAGUE BAY  
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VIRGINIA

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DEVELOPMENT

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DYNAMICS, RECREATION, TRANSPORTATION, YORK RIVER

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PLANNING BULL 225

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CONDUCTIVITY, YORK RIVER

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PLANNING BULL 227

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RAPPAHANNOCK RIVER BASIN, COMPREHENSIVE WATER RESOURCES PLAN  
PLANNING BULL 219

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CLAMS, FINANCING, OYSTERS, RESEARCH AND DEVELOPMENT

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CREEK, LITTLE CREEK, CHESAPEAKE BAY  
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## DESCRIPTORS AND CROSS REFERENCES

## ADMINISTRATIVE AGENCIES

State governments  
Water policy

## ADMINISTRATIVE DECISIONS

Water policy  
Water law

## ADSORPTION

Water chemistry  
Waste treatment

## AGRICULTURE

Economics  
Farm wastes  
Forestry

## RT Mariculture

Multiple purpose projects

## AIR POLLUTION

RT Effluents  
Environmental engineering  
Mortality  
Pollution abatement

## ALEWIVES

BT Alosids  
Herrings  
Marine fish  
RT Anadromous fish  
Freshwater fish

## ALGAE

Chrysophyta  
Dinoflagellates  
Microorganisms  
Phytoplankton

## ALOSIDS

Herrings  
Marine fish  
NT Alewives  
American shad  
Blueback herring  
RT Freshwater fish

## AMERICAN SHAD

UF Shad  
BT Alosids  
Herrings  
Marine fish  
RT Anadromous fish  
Freshwater fish

## AMINO ACIDS

Organic compounds

## AMMONIA

## AMPHIBIANS

Frogs  
Salamanders  
BT Aquatic animals

## AMPHIPODA

BT Aquatic animals  
Crustaceans  
Invertebrates

## ANALOG COMPUTERS

Instrumentation

## ANADROMOUS FISH

RT Alewives  
American shad  
Blueback herring  
Fish migration  
Freshwater fish

## ANIMAL CONTROL

RT Avicides  
Attractants  
Pesticides

## ANIMAL PARASITES

NT Fish parasites  
Oyster drills  
Platyhelminthes  
Trematodes

## ANIMAL PATHOLOGY

Animal parasites  
Fish parasites

## ANIMAL PHYSIOLOGY

Fish physiology  
RT Biochemistry  
Bioluminescence  
Enzymes  
Reproduction

## ANIMAL POPULATIONS

Aquatic populations

## ANIMAL WASTES (WILDLIFE)

UF Fecal pellets  
RT Biodeposition  
Farm wastes

## APPOMATTOX RIVER

Rivers  
Surface waters  
RT Virginia

## AQUATIC ANIMALS

NT Alewives  
Alosids  
American shad  
Amphipoda  
Anadromous fish  
Atlantic menhaden  
Barnacles  
Bass  
Benthic fauna  
Blueback herring  
Brackish-water fish  
Clams  
Cobia  
Commercial fish  
Catfishes  
Copepods  
Crabs  
Croaker  
Crustaceans  
Ctenophores  
Eels  
Elasmobranches  
Foraminifera  
Freshwater fish

## AQUATIC ANIMALS (Cont'd)

Gars  
Gastropods  
Jerrings  
Hydrozoa  
Jellyfish  
Juvenile fishes  
Killifishes  
Marine fish  
Mullers  
Mussels  
Nemertean  
Ostracods  
Oyster drills  
Oysters  
Polychaetes  
Salamanders  
Scallops  
Scup  
Scyphozoa  
Sea basses  
Sea nettles  
Sharks  
Shellfish  
Shrimp  
Silversides  
Skates  
Snails  
Soft clam  
Sport fish  
Spot  
Spotted sea trout  
Sticklebacks  
Striped bass  
Sunfishes  
Trout  
White bass  
White perch

## AQUATIC INSECTS

Larvae

## AQUATIC MICROORGANISMS

BT Microorganisms  
Seston  
NT Dermocystidium  
Dinoflagellates  
MSX

AQUATIC PLANTS  
 Benthic flora  
 Dinoflagellates  
 Eel grass  
 Phytoplankton

AQUATIC POPULATIONS  
 Fish populations  
 Population dynamics

AQUIFER CHARACTERISTICS  
 Groundwater  
 Water quality  
 Aquifers

AQUIFERS  
 Aquifer characteristics  
 Artesian wells  
 Geologic formations  
 Groundwater  
 Saline water intrusion  
 Water wells

ARTESIAN WELLS  
 BT Water wells  
 RT Aquifers

ARSENIC COMPOUNDS  
 Pesticides

ATLANTIC COASTAL PLAIN  
 Geographical regions

NT Maryland  
 Middle Atlantic Bight  
 North Carolina  
 South Carolina  
 Virginia  
 RT Atlantic Ocean

ATLANTIC MENHADEN  
 UF Brevoortia tyrannus  
 BT Aquatic animals  
 Herrings  
 Marine fish

ATLANTIC OCEAN  
 Surface waters  
 RT Atlantic Coastal Plain

ATTRACTANTS  
 Animal Control  
 Pesticides

AVICIDES  
 RT Animal control  
 Pesticides

BACK RIVER, VA.  
 Rivers  
 Surface waters  
 RT Virginia

BACTERIA  
 RT Bioindicators  
 Phytoplankton  
 Spores

BARNACLES  
 UF Cirripedia  
 BT Aquatic animals  
 Crustaceans  
 Invertebrates  
 Marine animals  
 RT Animal parasites  
 Fouling  
 Seston

BARRIER ISLANDS  
 BT Islands  
 RT Beaches  
 Tidal marshes

BASS  
 BT Aquatic animals  
 Freshwater fish

NT Striped bass  
 White bass  
 RT Sea basses  
 Sport fish

BATHYMETRY  
 RT Bathythermograph  
 Measurement  
 Navigation  
 Surveys

BATHYTHERMOGRAPH  
 RT Water temperature  
 Bathymetry

BEACH EROSION  
 UF Shore erosion  
 BT Erosion  
 RT Tidal effects  
 Waves (water)

BEACHES  
 RT Barrier Islands  
 Beach erosion  
 Coasts  
 Geomorphology  
 Recreation facilities  
 Sands  
 Shores

BEDS UNDER WATER  
 RT Ownership of beds  
 UF Oyster beds

BENTHIC FAUNA  
 UF Bottom fauna  
 BT Benthos  
 NT Clams  
 Mussels  
 Oysters  
 RT Aquatic microorganisms  
 Snails

BENTHIC FLORA  
 UF Bottom flora  
 BT Aquatic plants  
 Benthos  
 Plants  
 RT Aquatic microorganisms

BENTHOS  
 UF Bottom organisms  
 Epibenthic biota  
 Macrobenthos  
 NT Benthic fauna  
 Benthic flora  
 Clams  
 Mussels  
 Oysters  
 RT Aquatic microorganisms

BIBLIOGRAPHIES

BINDERS  
 Clays

BIOASSAY  
 RT Bioindicators  
 Chemical analysis

BIOCHEMISTRY  
 RT Animal physiology  
 Bioluminescence  
 Carbohydrates  
 Photosynthesis  
 Glycogen  
 Proteins

BIODEPOSITION  
 RT Animal wastes (wildlife)  
 Sediments

BIOGRAPHIES  
 RT History

BIOINDICATORS  
 Bacteria  
 Bioassay  
 Pesticide residues  
 Water quality

BIOLOGICAL COMMUNITIES  
 Ecological distribution  
 Habitats

BIOLUMINESCENCE  
 RT Animal physiology  
 Biochemistry

BLUEBACK HERRING  
 BT Alosids  
 Aquatic animals  
 Herrings  
 Marine fish  
 RT Anadromous fish  
 Freshwater fish

BOATING  
 UF Canoeing  
 Sailing  
 BT Recreation  
 RT Boats

BOATS  
 RT Boating  
 Marinas  
 Ships  
 Transportation

BOREHOLE GEOPHYSICS  
 NT Boreholes  
 Subsurface investigations

BOREHOLES  
 BT Borehole geophysics  
 Core drilling

BORON  
 RT Salts



## BOTTOM SEDIMENTS

BT Sediments  
RT Benthos  
Biodeposition

## BOUNDARIES (PROPERTY)

UF Ad medium filum aquae  
RT Legal aspects  
Navigable rivers  
Ownership of beds

## BRACKISH WATER

Water quality

## BRACKISH-WATER FISH

BT Aquatic animals  
RT Coaker  
Freshwater fish  
Marine fish  
Spot

## BREEDING

RT Fish behavior  
Reproduction

## BRIDGE CONSTRUCTION

RT Bridges

## BRIDGES

RT Bridge construction

## BRUSH CONTROL

RT Herbicides  
Water conservation

## BULKHEAD LINE

RT Docks  
Navigation  
Legal aspects

## BUOYS

Navigation

## CANALS

Navigation  
Control structures  
Saline water intrusion  
Transportation

## CARBOHYDRATES

RT Biochemistry  
Photosynthesis  
Proteins

## CARP

UF Cyprinus carpio  
BT Aquatic animals  
Freshwater fish

## CATCH

RT Clam industry  
Crab industry  
Finfish industry  
Industrial fish  
Oyster industry

## CATFISHES

UF Blindcats  
Blue catfish  
Bullheads  
Channel catfish  
Headwater catfish  
Ictalurus catus  
Ictalurus furcatus  
Ictalurus lupus  
White catfish  
BT Aquatic animals  
Freshwater fish

## CENOZOIC ERA

NT Miocene epoch  
Pleistocene epoch  
Tertiary period

## CENSUS

RT Data collections  
Future planning (projected)  
History  
Measurement  
Population  
Sampling  
Surveys

## CHANNEL IMPROVEMENT

Dredging  
Flood control  
Flood protection

## CHANNEL CATFISH

Use CATFISHES

## CHARTS

RT Navigation

## CHEMICAL ANALYSIS

UF Qualitative analysis  
RT Bioassay  
Nutrients  
Sampling

## CHEMICALS

RT Chemical analysis  
Chemistry  
Nutrients  
Pesticides  
Phosphates

## CHEMISTRY

RT Biochemistry  
Chemical analysis  
Water chemistry

## CHESAPEAKE BAY

RT Estuaries  
Maryland  
Rivers  
Virginia

## CHICKAHOMINY RIVER

BT Rivers  
Surface waters  
RT Virginia

## CHLORIDES

## CHLORINATED HYDROCARBON PESTICIDES

BT Pesticides  
NT 2,4D  
DDT

## CHLORINE

## CHLOROPHYLL

RT Photosynthesis

## CHROMOSOMES

## CHRYSOPHYTA

BT Algae  
Plants

## CIRCULATION

RT Currents (water)

## CITIES

RT City planning  
Municipal wastes  
Urbanization  
Water resources development

## CITY PLANNING

BT Planning  
RT Cities  
Urbanization  
Urban renewal

## CLAM INDUSTRY

BT Industries  
RT Catch  
Clams  
Commercial fishing

## CLAMS

BT Benthic fauna  
Benthos  
Invertebrates  
Mollusks  
RT Clam industry

## CLASSIFICATION

RT Systematics

## CLAYS

BT Sediments  
RT Binders

## CLIMATIC DATA

RT Data collections  
Meteorological data

## COALS

UF Anthracite  
Bituminous coal

## COASTAL ZONE

Use COASTS

## COASTS

UF Coastal zone  
RT Beaches  
Coastal marshes  
Continental shelf  
Eastern Shore (Va-Md)  
Saline water intrusion  
Shores

## COBIA

UF Bonita  
BT Aquatic animals  
Marine fish

## COMMERCIAL FISHING

BT Industries  
 RT Clam industry  
 Commerical fish  
 Crab industry  
 Finfish industry  
 Fishing gear  
 Freshwater fish  
 Industrial fish  
 Mariculture  
 Oyster industry

## COMPUTER PROGRAMS

Mathematical models  
 Data collections

## CONSERVATION

NT Wildlife conservation  
 RT Land management  
 Natural resources  
 Scenery  
 Water resources development

## CONTINENTAL SHELF

Atlantic Ocean  
 Marine geology  
 Coasts

## COOLING WATER

RT Industrial water  
 Riparian rights

## CONTROL STRUCTURES

RT Flood control  
 Engineering

## COPEPODS

Crustaceans  
 Invertebrates  
 RT Animal parasites

## COPPER SULFATE

RT Pesticides

## CORE DRILLING

RT Boreholes

## CORIOLIS FORCE

RT Winds

## CORROTOMAN RIVER

BT Rivers  
 Surface waters  
 RT Virginia

## COST ALLOCATION

Cost-benefit analysis  
 Economics  
 Decision-making  
 Project planning  
 Water policy

## COST-BENEFIT ANALYSIS

Cost allocation  
 Economics  
 Project planning

## CRAB INDUSTRY

Catch  
 Commercial fishing  
 Crabs

## CRABS

Aquatic animals  
 Crustaceans  
 Invertebrates  
 BT Crab industry

## CROAKER

Aquatic animals  
 Brackish-water fish  
 Freshwater fish

## CRUISES

BT Recreation  
 RT Sampling  
 On-site data collections

## CRUSTACEANS

UF Cladocera  
 NT Amphipoda  
 Barnacles  
 Copepods  
 Crabs  
 RT Aquatic microorganisms  
 Shellfish

## CTENOPHORES

BT Aquatic animals  
 Invertebrates

## CULTCH

Oyster setting  
 Oysters

## CURRENT METERS

RT Currents (water)  
 Discharge measurement  
 Discharge (water)  
 Stream gages

## CURRENTS (WATER)

UF Water currents  
 RT Current meters  
 Estuaries  
 Groundwater  
 Hydraulic models  
 Sediment distribution  
 Sediment load  
 Waves (water)

## DAMS

Damsites  
 Control structures  
 Flood control  
 Reservoirs

## DAMSITES

Dams

## DATA COLLECTIONS

NT On-site data collections  
 Census  
 RT Charts  
 Climatic data  
 Meteorological data  
 Monitoring  
 Sampling  
 Weather data

## DDT

BT Chlorinated hydrocarbon pesticides  
 Pesticides

## DEEP-WELLS

Water wells

## DEFORMATION

RT Fish  
 Reproduction

## DELAWARE RIVER

Rivers  
 Surface waters

## DEPOSITION (SEDIMENTS)

BT Sedimentation  
 RT Beaches  
 Biodeposition  
 Sedimentation rates  
 Sediment transport

## DEPTH

Bathythermograph  
 Stream gages

## DERMOCYSTIDIUM

BT Pathogenic fungi  
 RT Oysters

## DESIGN FLOOD

UF Standard project flood  
 BT Floods  
 RT Flood control  
 Hydrologic aspects  
 Peak discharge  
 Project planning

## DIATOMACEOUS EARTH

BT Sediments  
 RT Filtration

## DIELDRIN

BT Chlorinated hydrocarbon pesticides  
 Pesticides

## DIFFUSION

RT Circulation  
 Currents (water)  
 Dispersion  
 Groundwater movement

## DINOFLLAGELLATES

BT Algae  
 Aquatic microorganisms  
 Plants  
 Seston

## DIQUAT

Pesticides

## DISCHARGE MEASUREMENT

RT Current meters  
 Discharge (water)  
 Stream gages

## DISCHARGE (WATER)

UF Outflow  
 NT Peak discharge  
 RT Current meters  
 Discharge measurement  
 Floods  
 Groundwater  
 Groundwater movement  
 Stream gages

**DISMAL SWAMP (NC-VA)**

Marshes  
Brackish-water  
Scenery  
Virginia

**DISPERSION**

RT Circulation  
Diffusion  
Ecological distribution  
Groundwater movement

**DISSOLVED OXYGEN**

UF D.O.

**DISTRIBUTION**

Distribution patterns  
Diurnal distribution  
Ecological distribution  
Transportation

**DISTRIBUTION PATTERNS**

RT Distribution  
Migration  
Population  
Population dynamics

**DIURNAL**

RT Diurnal distribution  
Migration  
Seasonal  
Tides

**DIURNAL DISTRIBUTION**

Distribution  
Diurnal  
Ecological distribution  
Migration patterns

**DIVERSIFICATION**

Employment  
Ecosystems

**DOCKS**

RT Marinas

**DRAINAGE**

RT Land management  
Multiple purpose projects  
River basins  
Surface waters  
Watersheds (basins)  
Drainage systems

**DRAINAGE PATTERNS (GEOLOGIC)**

Drainage systems  
Meanders  
Tributaries

**DRAINAGE SYSTEMS**

Drainage  
Drainage patterns (geologic)  
Flood control  
Reservoirs  
River basin development  
Rivers  
River systems  
Surface waters  
Water management (applied)

**DREDGING**

Channel improvement  
Flood protection  
Sampling

**DROUGHTS****DYE RELEASES**

Tagging

**EARTH MATERIALS**

Sands  
RT Sediments

**EARTHQUAKES**

Geology

**EASTERN SHORE (VA-MD)**

RT Coasts  
Virginia  
Maryland

**ECOLOGICAL DISTRIBUTION**

Biological communities  
Dispersion  
Distribution  
Diurnal distribution  
Population dynamics  
Seasonal distribution

**ECOLOGICAL IMPACT**

Environmental effects  
Water pollution effects

**ECOLOGY**

UF Animal ecology  
Plant ecology  
NT Primary productivity  
RT Ecological distribution  
Environmental effects  
Fish management  
Habitats  
Life history studies  
Migration  
Parasitism  
Predation

**ECONOMIC FEASIBILITY**

Economics  
Project feasibility

**ECONOMIC IMPACT**

Economics  
Employment  
Industries  
Recreation  
Tourism

**ECONOMIC PREDICTION**

Economics  
Future planning (projected)

**ECONOMICS**

Cost allocation  
Cost-benefit analysis  
Decision-making  
Economic feasibility  
Economic impact  
Economic prediction  
Employment  
Legal aspects  
Management  
Multiple purpose projects

**ECOSYSTEMS**

Biological communities  
Ecological distribution

**EDUCATION**

Universities

**EEL GRASS**

BT Aquatic plants  
RT Tidal marshes

**EFFLUENTS**

RT Air pollution  
Discharge (water)  
Industrial wastes  
Municipal wastes

**EGGS**

Growth stages  
RT Embryonic growth stage  
Hatching  
Reproduction

**ELASMOBRANCHES**

Aquatic animals  
NT Sharks  
Skates

**ELECTRIC POWER DEMAND**

RT Future planning (projected)

**ELECTRIC POWERPLANTS**

NT Hydroelectric plants  
Nuclear powerplants  
RT Electric power production

**ELECTRIC POWER PRODUCTION**

Powerplants  
Electric power demand

**ELECTRON MICROSCOPY**

RT Laboratory equipment  
Histological investigations

**ELIZABETH RIVER**

BT Rivers  
Surface waters  
RT James River  
Virginia

**EMBRYONIC GROWTH STAGE**

BT Growth stages  
RT Eggs

**EMPLOYMENT**

RT Diversification  
Economic impact  
Economics  
Employment opportunities  
Labor

**EMPLOYMENT OPPORTUNITIES**

Economics  
Employment  
Multiple-purpose projects

**ENERGY BUDGET**

RT Primary productivity

**ENGINEERING**

NT Environmental engineering  
RT Geology  
Mathematical studies  
Model studies  
Hydraulic models  
Control structures

**ENVIRONMENTAL EFFECTS**

RT Animal physiology  
Ecological impact  
Fish management  
Fish physiology  
Growth rates  
Habitats  
Migration  
Mortality

**ENVIRONMENTAL ENGINEERING**

BT Engineering  
RT Landfills  
Water pollution

**ENZYMES**

RT Animal physiology  
Proteins

**EROSION**

NT Beach erosion  
RT Erosion control  
Floods  
Land management  
Sedimentation

**EROSION CONTROL**

RT Flood control  
Land management

**ESTIMATED COSTS**

RT Project planning  
Planning

**ESTUARIES**

BT Surface waters  
RT Chesapeake Bay  
Currents (water)  
Estuarine environment  
Mobjack Bay  
Rivers  
Saline water-freshwater interfaces  
Tides

**ESTUARINE ENVIRONMENT**

RT Estuaries

**EUTROPHICATION**

UF Algal blooms  
RT Nutrients  
Oxygen requirements  
Plankton  
Population  
Primary productivity  
Surface waters  
Waste assimilative capacity  
Water pollution effects  
Water quality

**FACILITIES**

RT Electric powerplants  
Hydroelectric plants  
Laboratories  
Nuclear powerplants  
Research facilities  
Universities

**FARM LAGOONS**

RT Farm wastes  
Waste treatment

**FARM WASTES**

RT Animal wastes (wildlife)  
Farm lagoons  
Industrial wastes

**FEEDING**

Food habits  
Foods  
Predation  
Fish behavior

**FERTILIZERS**

RT Farm wastes  
Nutrients  
Phosphates

**FILTRATION**

Osmosis  
Sewage treatment  
Waste water treatment

**FINANCIAL ANALYSIS**

Mathematical studies  
Cost-benefit analysis

**FINANCING**

Government supports

**FINFISH INDUSTRY**

BT Industries  
RT Catch  
Commercial fishing  
Fish  
Industrial fish

**FISH**

BT Aquatic animals  
Wildlife  
NT Alewives  
Alosids  
American shad  
Anadromous fish  
Atlantic menhaden  
Bass  
Blueback herring  
Brackish-water fish  
Carp  
Catfishes  
Cobia  
Commercial fish  
Croaker  
Eels  
Elasmobranches  
Freshwater fish  
Gars  
Herrings  
Industrial fish  
Juvenile fishes  
Killifishes  
Marine fish  
Perches  
Scup  
Sea basses  
Sharks  
Silversides  
Skates  
Sport fish  
Spot  
Sticklebacks  
Striped bass  
White bass  
White perch  
RT Eutrophication  
Finfish industry  
Fish behavior  
Fish diseases

(Cont'd)

Fish management  
Fish migration  
Fish parasites  
Fish physiology  
Fish populations  
Fish taxonomy

**FISH BEHAVIOR**

Fish  
Food habits  
Migration

**FISH DISEASES**

BT Diseases  
RT Animal pathology  
Fish parasites  
Pathogenic fungi

**FISH MANAGEMENT**

RT Ecology  
Environmental effects  
Fertilization  
Fisheries  
Fish migration

**FISH MIGRATION**

RT Anadromous fish  
Fish management  
Life history studies

**FISH PARASITES**

RT Animal pathology  
Fish diseases  
Fish populations

**FISH PHYSIOLOGY**

RT Environmental effects  
Growth stages

**FISH POPULATIONS**

BT Population  
RT Fish parasites  
Population dynamics

**FISH TAXONOMY**

BT Systematics  
RT Fish

**FISHERIES**

NT Estuaries  
Marshes  
Reservoirs

**FISHING**

Sport fishing  
Commercial fishing  
RT Fishing gear  
Catch

**FISHING GEAR**

RT Catch  
Commercial fishing  
Sport fishing

**FLATFISH**

BT Aquatic animals  
Fish  
Marine fish

**FLATWORMS**

Use PLATYHELMINTHES

**FLOOD CONTROL**

RT Channel improvement  
Dams  
Design flood  
Drainage systems  
Erosion control  
Flood damage  
Flood plains  
Flood protection  
Hydroelectric plants  
Reservoirs  
Riparian rights  
River basin development  
Water management (applied)  
Water policy

**FLOOD DAMAGE**

Design flood  
Erosion  
Flood protection  
Historic flood

**FLOOD PLAINS**

Deposition (sediments)  
Flood protection  
Meanders  
Rivers

**FLOOD PROTECTION**

Channel improvement  
Dredging  
Flood control  
Flood plains  
Floods

**FLOODS**

NT Historic flood  
RT Discharge (water)  
Erosion  
Flood plains  
Flood protection  
Peak discharge  
Watersheds (basins)

**FLOODWATER**

Floods  
Sedimentation

**FLOW CHARACTERISTICS**

Flow rates

**FLOW CONTROL**

Dams  
Flood control  
Flow rates

**FLOW RATES**

Flow characteristics  
Flow control  
Stream gages

**FLUCTUATION**

RT Dispersion  
Diurnal  
Seasonal  
Variability  
Waves (water)

**FLUORESCENCE**

RT Bioluminescence  
Dye releases

**FLUORIDES**

RT Air pollution  
Salts

**FOOD HABITS**

Fish behavior  
Nutrients

**FOODS**

Nutrients

**FORAMINIFERA**

BT Aquatic animals  
Invertebrates  
Marine animals  
Microorganisms  
Protozoa

**FORESTRY**

RT Agriculture  
Forests  
Plants  
Watersheds (basins)

**FORESTS**

RT Forestry  
Natural resources  
Parks  
Pulp and paper industry  
Trees

**FOULING**

RT Barnacles  
Sediments

**FRESHWATER**

Groundwater  
Reservoirs  
Rivers  
Surface waters  
Wetlands

**FRESHWATER FISH**

BT Aquatic animals  
Wildlife

NT Bass  
Catfishes  
Gars  
Sunfishes  
White perch

RT Alewives  
Alosids  
American shad  
Anadromous fish  
Blueback herring  
Commercial fish  
Commercial fishing  
Croaker  
Killifishes  
Sea basses  
Silversides  
Sport fish  
Spot  
Sticklebacks

**FROGS**

BT Amphibians  
Wildlife

**FUNGI**

NT Pathogenic fungi  
RT Microorganisms  
Phytoplankton  
Spores

**FUTURE PLANNING (PROJECTED)**

BT Planning  
RT Census  
Long-term planning

**GAGING STATIONS**

RT Data collections  
Stream gages  
Surface waters

**GARS**

Freshwater fish  
Wildlife

**GASTROPODS**

BT Invertebrates  
Mollusks  
NT Oyster drills  
Snails

**GEOCHEMISTRY**

RT Aquifer characteristics  
Chemical analysis  
Chemistry  
Geology  
Radioactive dating  
Water chemistry  
Water quality

**GEOGRAPHICAL REGIONS**

Atlantic Coastal Plain  
Virginia

**GEOLOGIC FORMATIONS**

RT Aquifers  
Paleontology

**GEOLOGIC INVESTIGATIONS**

On-site investigations

**GEOLOGY**

RT Earthquakes  
Engineering  
Geochemistry  
Geomorphology  
Marine Geology  
Sedimentation  
Sediments

## GEOMORPHOLOGY

RT Beaches  
 Environmental effects  
 Erosion  
 Flood plains  
 Geology  
 Marine geology  
 Meanders  
 Rivers  
 Runoff  
 Sand bars  
 Scenery  
 Terraces (geological)

## GEOPHYSICS

NT Boreholes  
 Borehole geophysics  
 RT Geochemistry  
 Remote sensing  
 Surveys

## GLYCOGEN

Biochemistry  
 Carbohydrates  
 Starch

## GOVERNMENT SUPPORTS

## GRANITES

Geology

## GRAVELS

Earth materials  
 RT Sediments

## GREY SEA TROUT

UF Weakfish  
 BT Marine fish

## GROUNDWATER

RT Aquifer characteristics  
 Aquifers  
 Currents (water)  
 Groundwater movement  
 Reservoirs  
 Saline water intrusion  
 Water supply  
 Water table  
 Water wells

## GROUNDWATER MOVEMENT

Diffusion  
 Discharge (water)  
 Dispersion  
 Groundwater  
 Runoff  
 Sediments

## GROWTH RATES

RT Environmental effects  
 Growth stages  
 Life history studies  
 Population

## GROWTH STAGES

NT Eggs  
 Larvae  
 Larval growth stage  
 RT Animal physiology  
 Environmental effects  
 Growth rates  
 Life history studies

## GULF COASTAL PLAIN

Geographical regions

## GUNPOWDER RIVER, MD.

Rivers  
 Surface waters  
 Maryland

## HABITATS

RT Biological communities  
 Ecology  
 Environmental effects

## HARBORS

Coasts  
 Marinas  
 Navigation  
 Transportation

## HATCHING

Eggs  
 Fish  
 Water birds

## HAZARDS

Radioactivity

## HEAVY METALS

Industrial wastes

## HERBICIDES

BT Pesticides  
 NT 2,4D  
 Diquat  
 RT Brush control  
 Plants

## HERRINGS

UF Clupeidae  
 BT Fish  
 NT Alewives  
 Alosids  
 American shad  
 Atlantic menhaden  
 Blueback herring  
 RT Freshwater fish  
 Marine fish

## HISTOLOGIC INVESTIGATIONS

Electron microscopy  
 Morphology

## HISTORIC FLOOD

BT Floods  
 RT Flood damage

## HISTORY

RT Biographies  
 Census  
 Paleontology  
 Planning

## HOSTS

Animal parasites  
 Fish parasites  
 Diseases  
 Pathology

## HUMAN POPULATION

BT Population  
 RT Urbanization

## HURRICANES

RT Winds

## HYBRIDS

RT Reproduction  
 Fish Physiology  
 Fish Populations

## HYDRAULIC MODELS

RT Currents (water)  
 Laboratory tests

## HYDROELECTRIC PLANTS

BT Electric powerplants  
 RT Dams  
 Discharge (water)  
 Electric power production  
 Facilities  
 Flood control  
 Thermal pollution

## HYDROELECTRIC POWER

Multiple purpose projects

## HYDROGEOLOGY

RT Aquifer characteristics  
 Aquifers  
 Erosion  
 Geology  
 Geomorphology  
 Groundwater  
 Marine geology

## HYDROGRAPH ANALYSIS

## HYDROGRAPHY

Hydrologic aspects  
 Measurement  
 Navigation  
 RT Surface waters  
 Surveys

## HYDROLOGIC ASPECTS

NT Hydrogeology  
 Hydrography  
 RT Data collections  
 Design flood  
 Engineering  
 Meteorology  
 Water resources

## HYDROLOGIC DATA

RT Climatic data  
 Data collections  
 Hydrologic aspects  
 Mathematical studies  
 On-site data collections  
 On-site investigations  
 Sampling  
 Surveys

## HYDROLOGIC EQUATION

RT Discharge (water)  
Subsurface waters  
Surface waters  
Water supply

## HYDROLOGIC PROPERTIES

## HYDROZOA

BT Invertebrates  
Marine animals  
NT Jellyfish  
Sea nettles  
RT Scyphozoa

## IMPOUNDED WATERS

RT Reservoirs

## INDICATORS

NT Bioindicators

## INDUSTRIAL FISH

NT Atlantic menhaden  
Herrings  
RT Commercial fish  
Commercial fishing  
Fishing gear  
Industries

## INDUSTRIAL PRODUCTION

RT Economic impact  
Industrial wastes  
Industries  
Management  
Sampling

## INDUSTRIAL WASTES

NT Mine wastes  
Pulp wastes  
RT Effluents  
Farm wastes  
Industrial production  
Lumbering  
Mining  
Waste water treatment

## INDUSTRIAL WATER

Industrial wastes  
Riparian rights

## INDUSTRIES

NT Clam industry  
Commercial fishing  
Crab industry  
Finfish industry  
Lumbering  
Oyster industry  
Pulp and paper industry  
RT Agriculture  
Cities  
Economic impact  
Industrial production

## INORGANIC COMPOUNDS

Copper sulfate  
Heavy metals  
RT Arsenic compounds  
Chemical analysis  
Chlorides  
Nutrients  
Organic compounds  
Water chemistry

## INSTRUMENTATION

NT Analog computers  
Bathothermographs  
Current meters  
Gages  
Stream gages  
RT Data collections  
Engineering  
Measurement  
Remote sensing  
Research and development  
Sampling

## INTER-AGENCY COOPERATION

RT State governments  
Administrative agencies

## INVERTEBRATES

NT Amphipoda  
Aquatic insects  
Barnacles  
Clams  
Copepods  
Crabs  
Crustaceans  
Ctenophores  
(Cont'd)

## INVERTEBRATES (Cont'd)

NT Foraminifera  
Gastropods  
Hydrozoa  
Jellyfish  
Mollusks  
Nemerteans  
Ostracods  
Oyster drills  
Oysters  
Platyhelminthes  
Polychaetes  
Protozoa  
Scallops  
Shrimp  
Snails  
Trematodes

## IRRIGATION

RT Land development  
Multiple-purpose projects  
Water rights

## ISLANDS

NT Barrier islands  
RT Boundaries (property)

## JAMES RIVER

UF Hampton Roads, Va.  
Virginia Beach, Va.  
BT Rivers  
Surface waters  
RT Virginia

## JELLYFISH

BT Invertebrates  
Hydrozoa  
Marine animals  
Scyphozoa

## JUVENILE FISHES

BT Fish  
Wildlife  
RT Growth stages

## KILLIFISHES

UF Crenichthys species  
Cyprinodon species  
Empetrichthys species  
Fundulus species  
RT Freshwater fish

## LABOR

Employment

## LABORATORIES

RT Facilities  
Laboratory equipment  
Laboratory tests  
Research and development  
Research facilities

## LABORATORY ANIMALS

RT Animal physiology  
Bicassay  
Laboratory tests  
Research and development  
Research facilities

## LABORATORY EQUIPMENT

RT Electron microscopy  
Laboratories

## LABORATORY TESTS

RT Hydraulic models  
Laboratories  
Sampling

## LAMPREYS

BT Freshwater fish  
RT Fish parasites

## LAND DEVELOPMENT

RT Irrigation  
Land management

## LANDFILLS

RT Earth materials

## LARVAE

BT Growth stages  
RT Aquatic insects  
Larval growth stage

## LARVAL GROWTH STAGE

BT Growth stages  
RT Larvae

## LEASES

Legal aspects

## LEGAL ASPECTS

NT Water law  
 RT Boundaries (property)  
 Economics  
 Legislation  
 Local governments  
 Project planning  
 Riparian rights  
 Water rights

## LEGISLATION

RT Legal aspects  
 Riparian rights  
 Water law  
 Water resources development

## LIFE HISTORY STUDIES

RT Fish migration  
 Growth rates  
 Growth stages

## LIPIDS

BT Organic compounds  
 RT Carbohydrates  
 Proteins

## LOBSTERS

BT Arthropods  
 Crustaceans  
 Invertebrates  
 Shellfish

## LOCAL GOVERNMENTS

RT Legal aspects  
 Water resources development

## LONG-TERM PLANNING

RT Future planning (projected)

## LUMBERING

BT Industries  
 RT Forestry  
 Industrial wastes  
 Pulp and paper industry  
 Pulp wastes

## MAGNETIC STUDIES

BT Geophysics

## MANAGEMENT

NT Land management  
 Water management (applied)

## MANAGEMENT (Cont'd)

RT Economics  
 Multiple-purpose projects  
 Project planning

## MARICULTURE

Fish management

## MARINAS

RT Boats  
 Docks

## MARINE ALGAE

BT Aquatic plants  
 RT Benthic flora  
 Benthos  
 Phytoplankton

## MARINE FISH

BT Aquatic animals  
 NT Alewives  
 Alosids  
 American shad  
 Atlantic menhaden  
 Blueback herring  
 Cobia  
 Croaker  
 Elasmobranches  
 Grey sea trout  
 Scup  
 Sea basses  
 Sharks  
 Skates  
 Spot  
 Striped bass  
 White perch  
 RT Commercial fish  
 Herrings  
 Lampreys

## MARINE FUNGI

BT Aquatic microorganisms  
 Fungi  
 Plankton  
 Seston  
 RT Phytoplankton

## MARINE GEOLOGY

RT Continental shelf  
 Geology  
 Geomorphology  
 Hydrogeology  
 Sedimentation

## MARKET VALUE

## MARL

Clays

## MARSH MANAGEMENT

BT Management  
 RT Marshes  
 Wetlands

## MARSH PLANTS

RT Eel grass  
 Marshes

## MARSHEs

BT Wetlands  
 NT Salt marshes  
 Tidal marshes  
 RT Marsh management  
 Marsh plants  
 Surface waters

## MARYLAND

BT Atlantic Coastal Plain  
 Geographical regions  
 RT Chesapeake Bay  
 Gunpowder River, Md.  
 Patuxent River  
 Potomac River

## MATHEMATICAL MODELS

Computer programs  
 Statistical methods  
 Mathematical studies

## MATHEMATICAL STUDIES

NT Mathematical models  
 Statistical methods  
 RT Hydrologic data  
 Sampling

## MATTAPONI RIVER

BT Rivers  
 Surface waters  
 RT Virginia

## MEANDERS

RT Discharge (water)  
 Flood plains  
 Rivers  
 Geomorphology  
 Sediment load

## MEASUREMENT

NT Discharge measurement  
 RT Bathymetry  
 Census  
 Data collections  
 Hydrography  
 Instrumentation  
 Monitoring  
 Remote sensing  
 Sampling  
 Statistics  
 Surveys

## MESOZOIC ERA

RT Geology  
 Geological formations

## METABOLISM

RT Animal physiology  
 Biochemistry  
 Biology  
 Growth stages  
 Proteins

## METEOROLOGICAL DATA

RT Climatic data  
 Data collections

## METHODOLOGY

RT Decision-making  
 Management

## MICROORGANISMS

NT Aquatic microorganisms  
 Bacteria  
 Dinoflagellates  
 Foraminifera  
 Marine fungi  
 Pathogenic fungi  
 Protozoa  
 RT Algae  
 Fungi  
 Plants

## MIDDLE ATLANTIC BIGHT

BT Atlantic Coastal Plain  
 RT Continental shelf



## MIGRATION

NT Fish migration  
 RT Dispersion  
   Distribution patterns  
   Diurnal  
   Ecology  
   Environmental effects  
   Fish behavior  
   Fisheries  
   Life history studies  
   Population  
   Seasonal

## MIGRATION PATTERNS

RT Diurnal distribution  
   Population dynamics  
   Seasonal distribution

## MINE WASTES

BT Industrial wastes

## MINERAL INDUSTRY

BT Industries  
 RT Mining

## MINERALOGY

RI Clays  
   Geology  
   Inorganic compounds  
   Radioactivity  
   Salts  
   Sediments  
   Water quality

## MINING

RT Dredging  
   Industrial wastes  
   Mineral industry  
   Mine wastes

## MIOCENE EPOCH

RT Cenozoic era  
   Tertiary period

## MOBJACK BAY

RT Estuaries  
   Virginia

## MOLLUSKS

UF Pelecypods

## MOLLUSKS (Cont'd)

BT Invertebrates  
 NT Clams  
   Gastropods  
   Mussels  
   Oyster drills  
   Oysters  
   Scallops  
   Snails  
 RT Shellfish

## MOLTING

BT Growth stages  
 RT Crabs  
   Life history studies

## MONITORING

RT Data collections  
   Measurement

## MORPHOLOGY

RT Biology  
   Structure

## MORTALITY

RT Environmental effects  
   Population  
   Water pollution

## MSX

UF Minchinia nelsoni  
 BT Aquatic microorganisms  
 RT Oysters  
   Pathogenic bacteria

## MULLETS

BT Marine fish  
   Wildlife

## MULTIPLE-PURPOSE PROJECTS

RT Agriculture  
   Economics  
   Flood control  
   Management  
   Navigation  
   Project planning  
   Recreation  
   Watersheds (basins)  
   Water supply

## MUNICIPAL WASTES

RT Cities  
   Waste water treatment

## MUSSELS

BT Benthic fauna  
   Benthos  
   Invertebrates  
   Marine animals  
   Mollusks  
   Shellfish  
 RT Clams  
   Oysters

## NATURAL RESOURCES

RT Animal control  
   Conservation  
   Economics  
   Forests  
   Parks  
   Recreation  
   Water resources  
   Water resources development  
   Water supply

## NAVIGABLE RIVERS

RT Rivers  
   Navigable waters  
   Surface waters

## NAVIGABLE WATERS

NT Navigable rivers  
 RT Navigation  
   Ownership of beds  
   Riparian rights

## NAVIGATION

RT Bathymetry  
   Bulkhead line  
   Canals  
   Charts  
   Hydrography  
   Multiple-purpose projects  
   Navigable waters  
   Reservoirs  
   Riparian rights  
   Ships

## NEMERTEANS

BT Aquatic animals  
   Invertebrates  
   Marine animals

## NITRATES

Fertilizers  
 Inorganic compounds  
 Water quality

## NORTH CAROLINA

BT Atlantic Coastal Plain  
   Geographical regions

## NUCLEAR POWERPLANTS

RT Electric power production

## NUTRIENTS

RT Chemical analysis  
   Chemicals  
   Eutrophication  
   Fertilizers  
   Food habits  
   Inorganic compounds  
   Proteins  
   Waste assimilative capacity

## NUTRITION

RT Carbohydrates  
   Glycogen  
   Nutrients  
   Proteins

## OCEANOGRAPHY

RT Estuaries  
   Geology  
   Hydrography  
   Marine geology  
   Physical oceanography  
   Tides

## OILY WATER

Water pollution

## ON-SITE DATA COLLECTIONS

RT Hydrologic data  
   Sampling  
   Surveys

## ORGANIC COMPOUNDS

NT Carbohydrates  
   Chlorinated hydrocarbon pesticides  
   Chlorophyll  
   2,4D  
   DDT  
   Dieldrin  
   Diquat  
   Enzymes  
   Lipids  
   Proteins  
 RT Inorganic compounds  
   Organic wastes

## ORGANIC MATTER

RT Organic compounds  
   Organic wastes  
   Seston  
   Waste assimilative capacity

## ORGANIC WASTES

RT Farm wastes  
Oily water  
Organic compounds  
Organic matter  
Seston

## OSMOSIS

RT Adsorption  
Diffusion  
Filtration  
Osmotic pressure  
Sewage treatment

## OSMOTIC PRESSURE

RT Osmosis

## OSTRACODS

BT Aquatic animals  
Arthropods  
Crustaceans  
Invertebrates

## OWNERSHIP OF BEDS

RT Beds under water  
Boundaries (property)  
Navigable rivers  
Navigable waters  
Riparian rights

## OXYGEN

RT Dissolved oxygen  
Eutrophication  
Oxygen requirements  
Waste assimilative capacity

## OXYGEN DEMAND

RT Oxygen requirements  
Photosynthesis  
Productivity  
Respiration

## OXYGEN REQUIREMENTS

RT Animal physiology  
Eutrophication  
Oxygen  
Oxygen demand  
Respiration

## OYSTER DRILLS

BT Animal parasites  
Aquatic animals  
Gastropods  
Invertebrates  
Mollusks  
RT Snails

## OYSTER INDUSTRY

BT Industries  
RT Catch  
Commercial fishing  
Oysters

## OYSTER SETTING

RT Cultch  
Larvae  
Oysters

## OYSTERS

BT Aquatic animals  
Benthic fauna  
Benthos  
Invertebrates  
Mollusks  
Shellfish  
RT Clams  
Cultch  
Dermocystidium  
MSX  
Mussels  
Oyster industry  
Oyster setting

## PALEONTOLOGY

UF Fossils  
BT History  
RT Geologic formations  
Stratigraphy

## PAMUNKEY RIVER

BT Rivers  
Surface waters  
RT Virginia

## PARASITISM

BT Pathology  
RT Diseases  
Ecology

## PARKS

RT Conservation  
Forests  
Natural resources  
Recreation  
Recreation facilities

## PATHOGENIC FUNGI

BT Microorganisms  
NT Dermocystidium  
RT Fish diseases

## PATHOLOGY

NT Animal pathology  
Parasitism  
RT Biology

## PATUXENT RIVER

BT Rivers  
Surface waters  
RT Maryland

## PEAK DISCHARGE

BT Discharge (water)  
RT Design flood  
Floods  
Surface runoff

## PENNSYLVANIA

RT Geographical regions  
Susquehanna River

## PESTICIDE REMOVAL

RT Pesticides

## PESTICIDES

NT Avicides  
Chlorinated hydrocarbon pesticides  
2,4-D  
DDT  
Dieldrin  
Diquat  
Herbicides  
RT Attractants  
Chemicals  
Copper sulfate  
Pesticide residues

## PETROLOGY

Geology  
Mineralogy

## PHOSPHATES

RT Chemicals  
Fertilizers  
Inorganic compounds  
Salts

## PHOTOGRAPHY

Remote sensing  
Surveys

## PHOTOSYNTHESIS

RT Biochemistry  
Carbohydrates  
Chlorophyll  
Primary productivity

## PHYSICAL OCEANOGRAPHY

BT Oceanography

## PHYSIOLOGICAL ECOLOGY

BT Ecology  
RT Animal physiology  
Environmental effects

## PHYTOPLANKTON

BT Plankton  
Plants  
RT Algae  
Aquatic microorganisms  
Marine algae  
Marine fungi

## PIANKATANK RIVER

BT Rivers  
Surface waters  
RT Virginia

## PIGMENTS

NT Chlorophyll  
RT Biochemistry  
Biology  
Bioluminescence  
Fluorescence  
Photosynthesis

## PIKE

UF Northern pike  
Pickerel  
BT Freshwater fish  
Wildlife  
RT Sport fish

## PLANKTON

NT Marine fungi  
Phytoplankton  
Sea nettles  
Waterfleas  
Zooplankton  
RT Aquatic microorganisms  
Eutrophication

## PLANKTON (Cont'd)

RT Plankton nets  
Plants  
Primary productivity

## PLANKTON NETS

RT Plankton

## PLANNING

NT City planning  
Future planning (projected)  
Long-term planning  
Project planning  
RT Census  
Decision making  
Estimated costs  
History  
Legislation  
Management  
Multiple purpose projects  
Research and development  
River basin development

## PLANT GROUPINGS

RT Benthic flora  
Marsh plants  
Phytoplankton

## PLANT PARASITES

Parasitism  
Plants

## PLANT POPULATIONS

BT Population

## PLANTS

NT Benthic flora  
Chrysophyta  
Eel grass  
Fungi  
Marine algae  
Marine fungi  
Marsh plants  
Pathogenic fungi  
Phytoplankton  
RT Agriculture  
Environmental effects  
Forestry  
Herbicides  
Plankton  
Plant groupings  
Plant parasites  
Systematics

## PLATYHELMINTHES

UF Flatworms  
BT Animal parasites  
Invertebrates  
Worms

## PLEISTOCENE EPOCH

BT Cenozoic era

## POLLUTION ABATEMENT

Air pollution  
Water pollution  
Water pollution control

## POLLUTANTS

RT Air pollution  
Pesticide residues  
Toxins  
Water pollution control  
Water pollution effects

## POLYCHAETES

BT Aquatic animals  
Invertebrates  
Marine animals  
Worms

## POPULATION

NT Animal populations  
Aquatic populations  
Fish populations  
RT Census  
Distribution patterns  
Ecology  
Environmental effects  
Eutrophication  
Growth rates  
Migration  
Mortality

## POPULATION DYNAMICS

RT Aquatic populations  
Distribution patterns  
Ecological distribution  
Fish populations  
Migration patterns

## POTOMAC RIVER

BT Rivers  
Surface waters  
RT Maryland  
Virginia

## POULTRY

UF Chickens  
Ducks (domestic)  
RT Agriculture

## PREDATION

RT Ecology  
Mortality

## PRIMARY PRODUCTIVITY

BT Ecology  
Productivity  
RT Aquatic microorganisms  
Eutrophication  
Photosynthesis  
Plankton  
Seston

## PRODUCTIVITY

NT Primary productivity  
RT Ecology  
Economics  
Environmental effects  
Eutrophication  
Fish management  
Growth rates  
Oxygen demand  
Population

## PROFILES

RT Distribution patterns  
Surveys

## PROJECT FEASIBILITY

RT Economic feasibility  
Project planning

## PROJECT PLANNING

BT Planning  
RT Cost allocation  
Cost-benefit analysis  
Design flood  
Economics  
Legal aspects  
Multiple-purpose projects  
Project feasibility  
Water policy

## PROJECTS

NT Multiple-purpose projects  
RT Project planning

## PROTEINS

BT Organic compounds  
RT Amino acids  
Biochemistry  
Carbohydrates  
Enzymes  
Lipids  
Nutrients

## PROTOZOA

BT Invertebrates  
Microorganisms  
NT Foraminifera  
RT Aquatic microorganisms

## PROVENANCE

RT Sedimentation  
Sediments

## PUBLIC LANDS

## PULP AND PAPER INDUSTRY

BT Industries  
RT Forests  
Pulp wastes

## PULP WASTES

BT Industrial wastes  
RT Lumbering  
Pulp and paper industry

## RADIOACTIVE DATING

RT Geochemistry  
Stratigraphy

## RADIOACTIVITY

RT Borehole geophysics  
Hazards  
Mineralogy  
Water quality

## RAINFALL

RT Runoff

## RANGES

## RAPPAHANNOCK RIVER

BT Rivers  
Surface waters  
RT Virginia

## RECREATION

NT Boating

## RECREATION (Cont'd)

NT Sport fishing  
 RT Beaches  
   Economic impact  
   Multiple-purpose projects  
   Natural resources  
   Parks  
   Recreation demand  
   Recreation facilities  
   Reservoirs  
   Riparian rights  
   Scenery  
   Tourism  
   Water policy  
   Water quality

## RECREATION DEMAND

RT Recreation  
   Water demand

## RECREATION FACILITIES

NT Marinas  
 RT Beaches  
   Facilities  
   Parks  
   Recreation  
   River basin development

## REGIONAL FLOOD

BT Floods  
 RT Design flood  
   Flood damage

## REMOTE SENSING

RT Instrumentation  
   Measurement  
   Photography  
   Surveys

## REPRODUCTION

RT Animal physiology  
   Biology  
   Breeding  
   Eggs  
   Management

## REPTILES

NT Snakes  
   Turtles  
 RT Aquatic animals

## RESEARCH AND DEVELOPMENT

RT Economics  
   Instrumentation  
   Laboratories  
   On-site investigations  
   Planning  
   Projects  
   Research facilities  
   Water resources development

## RESEARCH FACILITIES

RT Facilities  
   Laboratories  
   Research and development

## RESERVOIRS

RT Aquifers  
   Conservation  
   Cooling water  
   Dams  
   Discharge (water)  
   Drainage systems  
   Fish management  
   Flood control  
   Groundwater  
   Runoff  
   Sedimentation rates

## RESOURCE ALLOCATION

RT Economics  
   Resource development

## RESOURCE DEVELOPMENT

NT Water resources development  
 RT Facilities  
   Research and development  
   Resource allocation

## RESPIRATION

RT Oxygen demand  
   Oxygen requirements

## RIPARIAN RIGHTS

BT Water rights  
 RT Cooling water  
   Fish management  
   Flood control  
   Legal aspects  
   Legislation  
   Navigable waters  
   Ownership of beds

## RIVER BASIN DEVELOPMENT

RT Drainage systems  
   Flood control  
   Planning  
   Recreation facilities  
   River basins  
   Transportation  
   Water resources development  
   Water supply

## RIVER BASINS

RT River basin development  
   Watersheds (basins)

## RIVER BEDS

RT Navigable rivers  
   Rivers

## RIVER SYSTEMS

RT Drainage systems  
   River basins  
   Rivers  
   Tributaries  
   Watersheds (basins)

## RIVERS

BT Surface waters  
 NT Back River, Va.  
   Chickahominy River  
   Corrotoman River  
   Delaware River  
   Elizabeth River  
   Gunpowder River, Md.  
   James River  
   Mattaponi River  
   Navigable rivers  
   Pamunkey River  
   Patuxent River  
   Piankatchank River  
   Potomac River  
   Rappahannock River  
   Susquehanna River  
   York River

## RUNOFF

NT Surface runoff  
 RT Discharge (water)  
   Floods  
   Geomorphology  
   Groundwater movement  
   Rainfall  
   Reservoirs  
   Rivers  
   Surface waters  
   Suspended load  
   Watersheds (basins)

## SALAMANDERS

BT Amphibians  
   Aquatic animals

## SALINE WATER-FRESHWATER INTERFACES

RT Estuaries  
   Saline water intrusion

## SALINE WATER INTRUSION

UF Salt wedge estuary  
 RT Aquifers  
   Canals  
   Coasts  
   Groundwater  
   Saline water-freshwater interfaces  
   Tidal marshes  
   Tides  
   Wells

## SALINITY

RT Water chemistry

## SALT BALANCE

RT Water quality

## SALT MARSHES

BT Marshes  
   Wetlands  
 RT Saline water intrusion  
   Tidal marshes

## SALT TOLERANCE

RT Salts

## SALTATION

BT Sedimentation  
   Sediment transport

## SALTS

RT Boron  
   Chlorides  
   Inorganic compounds  
   Mineralogy  
   Phosphates  
   Salinity  
   Salt tolerance

## SAMPLING

RT Census  
   Chemical analysis  
   Data collections  
   Dredging  
   Hydrologic data  
   Instrumentation  
   On-site data collections

## SAND BARS

RT Coasts  
 Currents (water)  
 Geomorphology  
 Waves (water)

## SAND WAVES

RT Currents (water)

## SANDS

BT Earth materials  
 RT Beaches  
 Sand bars  
 Sediments

## SCALLOPS

BT Aquatic animals  
 Invertebrates  
 Mollusks

## SCAVENGERS

RT Crabs

## SCENERY

RT Conservation  
 Geomorphology  
 Natural resources  
 Parks  
 Recreation  
 Scenic easements

## SCENIC EASEMENTS

RT Scenery

## SCHOOLS (FISH)

RT Fish behavior  
 Fish migration

## SCUP

BT Marine fish  
 Wildlife

## SCYPHOZOA

BT Aquatic animals  
 Invertebrates  
 NT Jellyfish  
 Sea nettles

## SEA BASSES

BT Marine fish  
 NT Striped bass  
 White bass  
 White perch  
 RT Bass  
 Freshwater fish

## SEA NETTLES

BT Aquatic animals  
 Plankton  
 Seston  
 Zooplankton  
 Scyphozoa  
 RT Toxins

## SEASONAL

RT Diurnal  
 Migration

## SEASONAL DISTRIBUTION

BT Distribution  
 RT Ecological distribution  
 Migration patterns

## SEDIMENT DISTRIBUTION

RT Currents (water)  
 Distribution  
 Distribution patterns  
 Sedimentation  
 Sediment transport

## SEDIMENT LOAD

BT Sediments  
 NT Suspended load  
 RT Currents (water)  
 Meanders  
 Sedimentation rates  
 Sediment transport  
 Seston

## SEDIMENT TRANSPORT

BT Sedimentation  
 NT Saltation  
 RT Deposition (sediments)  
 Sedimentation rates  
 Sediment distribution  
 Sediment load

## SEDIMENTARY PETROLOGY

RT Sedimentation

## SEDIMENTATION

NT Deposition (sediments)  
 Saltation  
 Sediment transport  
 RT Erosion  
 Geology  
 Marine geology  
 Provenance  
 Sedimentary petrology  
 Sediment distribution  
 Sediments  
 Stratigraphy

## SEDIMENTATION RATES

RT Deposition (sediments)  
 Reservoirs  
 Sediment distribution  
 Sediment load  
 Sediment transport

## SEDIMENTS

NT Bottom sediments  
 Clays  
 Diatomaceous earth  
 Sediment load  
 Suspended load  
 RT Earth materials  
 Fouling  
 Geology  
 Groundwater movement  
 Mineralogy  
 Provenance  
 Sands  
 Sedimentation

## SEISMIC STUDIES

RT Geophysics

## SELF-PURIFICATION

RT Photosynthesis  
 Waste assimilative capacity  
 Water pollution

## SESTON

NT Aquatic microorganisms  
 Dinoflagellates  
 Marine fungi

## SESTON (Cont'd)

NT Sea nettles  
 RT Barracles  
 Primary productivity  
 Scyphozoa  
 Sediment load  
 Zooplankton

## SEWAGE

RT Industrial wastes  
 Municipal wastes  
 Sewage disposal  
 Sewage effluents  
 Sewage treatment

## SEWAGE DISPOSAL

RT Sewage effluents  
 Sewage treatment

## SEWAGE EFFLUENTS

RT Sewage disposal  
 Sewage treatment

## SEWAGE TREATMENT

BT Waste treatment  
 Osmosis  
 Industrial wastes  
 Sewage disposal  
 Sewage effluents  
 Waste treatment

## SHARKS

BT Aquatic animals  
 Elasmobranches  
 Marine fish  
 Wildlife

## SHELLFISH

BT Aquatic animals  
 NT Clams  
 Crabs  
 Lobsters  
 Mussels  
 Oysters  
 Shrimp  
 Snails  
 RT Maraculture  
 Commercial fish  
 Commercial fishing  
 Crustaceans  
 Mollusks

## SHIPS

RT Boats  
Cruises  
Navigation  
Transportation

## SHORES

RT Beaches  
Boundaries (property)  
Coasts  
Tides

## SHRIMP

BT Aquatic animals  
Crustaceans  
Invertebrates  
Shellfish

## SILTING

BT Sedimentation  
RT Reservoirs

## SILVERSIDES

BT Aquatic animals  
Wildlife  
RT Freshwater fish  
Marine fish

## SKATES

BT Aquatic animals  
Elasmobranches  
Marine fish

## SNAILS

BT Aquatic animals  
Gastropods  
Invertebrates  
Mollusks  
Shellfish  
RT Benthic fauna  
Oyster drills

## SNAKES

BT Reptiles  
Wildlife  
RT Aquatic animals

## SOFT CLAM

BT Aquatic animals  
Invertebrates  
Shellfish

## SOUTH CAROLINA

BT Atlantic Coastal Plain  
Geographical regions

## SPATIAL DISTRIBUTION

RT Distribution  
Ecological distribution  
Migration patterns

## SPAWNING

RT Fish behavior  
Reproduction

## SPECTROPHOTOMETRY

RT Chemical analysis

## SPOIL BANKS

## SPORES

RT Bacteria  
Dispersion  
Fungi

## SPORT FISHING

BT Recreation  
RT Bass  
Elasmobranches  
Fishing gear  
Sport fish

## SPOT

BT Aquatic animals  
Marine fish  
RT Brackish-water fish  
Freshwater fish

## SPOTTED SEA TROUT

BT Aquatic animals  
Marine fish

## STARCH

Carbohydrates  
Organic compounds

## STATE GOVERNMENTS

RT Administrative agencies  
State jurisdiction  
Water resources development

## STATE JURISDICTION

RT State governments  
Water rights

## STATIONS

NT Gaging stations  
RT Data collections  
Facilities  
Instrumentation

## STATISTICAL METHODS

RT Charts  
Sampling  
Surveys

## STATISTICS

BT Data collections  
RT Census  
Measurement  
Sampling

## STICKLEBACKS

BT Aquatic animals  
Wildlife  
RT Freshwater fish  
Marine fish

## STINGING NETTLES

## STORMS

NT Hurricanes  
RT Floods  
Rainfall  
Runoff

## STRATIGRAPHY

RT Geologic formations  
Paleontology  
Radioactive dating  
Sedimentation

## STREAM GAGES

RT Current meters  
Discharge measurement  
Discharge (water)

## STREAM GAGES (Cont'd)

RT Gaging stations  
Streamflow

## STREAMFLOW

RT Discharge (water)  
Floods  
Runoff  
Stream gages

## STRIPED BASS

UF Roccus saxatilis  
BT Aquatic animals  
Bass  
Marine fish  
Sea basses

## STRUCTURAL GEOLOGY

RT Continental shelf  
Earthquakes  
Geomorphology  
Hydrogeology

## STRUCTURE

RT Structural geology

## SUBSURFACE INVESTIGATIONS

RT Borehole geophysics  
Drill holes  
Drilling

## SUBSURFACE WATERS

NT Groundwater  
RT Aquifers  
Artesian wells  
Saline water intrusion  
Water resources

## SUCKERS

BT Aquatic animals  
Freshwater fish

## SUMMER

RT Seasonal

## SUNFISHES

RT Aquatic animals  
Freshwater fish  
NT Bass

## SURFACE RUNOFF

BT Runoff  
 RT Floods  
 Peak discharge  
 Streamflow  
 Surface waters

## SURFACE WATERS

NT Atlantic Ocean  
 Back River, Va.  
 Chickahominy River  
 Corrotoman River  
 Delaware River  
 Estuaries  
 Gunpowder River, Md.  
 James River  
 Mattaponi River  
 Navigable rivers  
 Pamunkey River  
 Patuxent River  
 Piankatank River  
 Potomac River  
 Rappahannock River  
 Reservoirs  
 Rivers  
 Susquehanna River  
 York River  
 RT Drainage systems  
 Eutrophication  
 Gaging stations  
 Runoff  
 Surface runoff  
 Waste assimilative capacity  
 Watersheds (basins)  
 Wetlands

## SURVEYS

RT Bathymetry  
 Census  
 Data collections  
 Geophysics  
 Measurement  
 Photography  
 Remote sensing  
 Statistical methods

## SUSPENDED LOAD

BT Sediment load  
 Sediments  
 RT Runoff

## SUSPENSION

RT Dispersion  
 Sediment transport  
 Seston  
 Suspended load

## SUSQUEHANNA RIVER

BT Rivers  
 Surface waters  
 RT Maryland  
 Pennsylvania

## SYMBIOSIS

RT Ecology

## SYSTEMATICS

NT Fish taxonomy  
 RT Classification  
 Plants

## TEMPERATURE

RT Thermal water  
 Temperature control

## TEMPERATURE CONTROL

RT Temperature

## TERRACES (GEOLOGICAL)

RT Geomorphology

## TERTIARY PERIOD

BT Cenozoic era  
 NT Miocene epoch

## THERMAL POWER

RT Thermal water

## THERMAL WATER

RT Temperature  
 Thermal power

## THERMOCLINE

RT Reservoirs  
 Temperature

## TIDAL EFFECTS

RT Tides

## TIDAL MARSHES

BT Wetlands  
 Coastal marshes

## TIDAL MARSHES (CONT'D)

RT Eel grass  
 Saline water intrusion  
 Salt marshes  
 Tides

## TIDES

RT Currents (water)  
 Diurnal  
 Estuaries  
 Oceanography  
 Saline water intrusion  
 Tidal effects  
 Tidal marshes  
 Winds

## TOURISM

RT Economic impact  
 Recreation

## TOXINS

RT Air pollution  
 Chemicals  
 Mortality  
 Pesticides  
 Pollutants  
 Pesticides  
 Sea nettles  
 Water pollution

## TRANSPORTATION

RT Boats  
 Canals  
 Distribution  
 Harbors  
 Navigation  
 River basin development  
 Ships

## TRAPPING

## TRAWLING

BT Fishing  
 RT Fishing gear

## TREES

BT Plants  
 RT Forestry

## TREMATODES

BT Animal parasites  
 Invertebrates  
 Platyhelminthes  
 Worms

## TRIBUTARIES

RT Drainage patterns (geologic)  
 Rivers

## TROUT

BT Aquatic animals  
 Sport fish  
 Wildlife

## TUNNEL CONSTRUCTION

RT Transportation

## TURBIDITY

RT Suspension  
 Water quality

## TURTLES

BT Reptiles  
 Wildlife  
 RT Aquatic animals

## 2,4-D

BT Pesticides  
 Herbicides

## UNITED STATES

BT Geographical regions

## UNIVERSITIES

RT Education  
 Facilities

## URBAN RENEWAL

RT City planning  
 Urbanization

## URBANIZATION

RT Cities  
 City planning  
 Drainage systems  
 Economics  
 Urban renewal  
 Water resources development

## VARIABILITY

RT Dispersion  
Sampling

## VEGETATION

RT Forests  
Plants

## VIRGINIA

BT Atlantic Coastal Plain  
Coastal plains  
Geographical regions  
RT Back River, Va.  
Chesapeake Bay  
Chickahominy River  
Corrotoman River  
Dismal Swamp  
Eastern Shore  
Elizabeth River  
James River  
Mattaponi River  
Mobjack Bay  
Pamunkey River  
Fiankatank River  
Potomac River  
Rappahannock River  
York River

## WASTE ASSIMILATIVE CAPACITY

RT Eutrophication  
Nutrients  
Oxygen  
Surface waters  
Waste treatment

## WASTE TREATMENT

NT Sewage treatment  
RT Waste assimilative capacity  
Waste water treatment

## WASTE WATER TREATMENT

BT Waste treatment  
RT Adsorption  
Industrial wastes  
Municipal wastes

## WATER BIRDS

RT Waterfowl

## WATER CHEMISTRY

RT Adsorption  
Chemistry  
Geochemistry  
Inorganic compounds  
Water quality

## WATER CIRCULATION

RT Currents (water)  
Tides  
Waves (water)

## WATER CONSERVATION

RT Runoff  
Water demand  
Water management (applied)  
Water policy  
Water resources development  
Water supply  
Water utilization  
Wildlife conservation

## WATER DEMAND

RT Recreation demand  
Water management (applied)  
Water policy  
Water supply  
Water utilization

## WATER EQUIVALENT

## WATER LAW

BT Legal aspects  
RT Administrative decisions  
Legislation  
Riparian rights  
Water policy  
Water resources development

## WATER MANAGEMENT (APPLIED)

RT Drainage systems  
Flood control  
Land management

## WATER POLICY

RT Cost allocation  
Flood control  
Multiple-purpose projects

## WATER POLICY (Cont'd)

RT Navigation  
Project planning  
Recreation  
Water allocation (policy)  
Water conservation  
Water demand  
Water law  
Water resources development  
Water utilization

## WATER POLLUTION

RT Dispersion  
Mortality  
Riparian rights  
Toxins  
Water allocation (policy)  
Water conservation  
Water pollution effects  
Water quality  
Water resources  
Water utilization

## WATER POLLUTION CONTROL

RT Water quality control

## WATER POLLUTION EFFECTS

RT Ecological impact  
Eutrophication  
Fouling  
Mortality  
Turbidity  
Water pollution  
Water quality

## WATER QUALITY

RT Aquifer characteristics  
Bioindicators  
Brackish water  
Eutrophication  
Geochemistry  
Mineralogy  
Nutrients  
Radioactivity  
Salinity  
Salt balance  
Turbidity  
Water chemistry  
Water pollution  
Water pollution effects  
Water quality control  
Water temperature

## WATER QUALITY CONTROL

RT Water quality  
Water treatment

## WATER RESOURCES

RT Natural resources  
Subsurface waters  
Surface waters  
Water conservation  
Water management (applied)  
Water policy  
Water pollution  
Water quality  
Water resources development  
Water supply  
Water treatment  
Water utilization

## WATER RESOURCES DEVELOPMENT

RT Cities  
Multiple-purpose projects  
Natural resources  
River basin development  
State governments  
Urbanization  
Water allocation (policy)  
Water conservation  
Water law  
Water policy  
Water resources  
Water supply  
Water utilization

## WATER RIGHTS

NT Riparian rights  
RT Administrative agencies  
Legal aspects  
State jurisdiction  
Water allocation (policy)  
Water law

## WATER SUPPLY

RT Groundwater  
Natural resources  
River basin development  
Water allocation (policy)  
Water management (applied)  
Water resources  
Water resources development  
Watersheds (basins)  
Water table  
Water utilization  
Water wells



## WATER TABLE

RT Aquifers  
Groundwater  
Water supply  
Water wells

## WATER TEMPERATURE

BT Temperature  
RT Bathythermographs  
Thermal water  
Water quality

## WATER UTILIZATION

RT Natural resources  
Recreation  
Riparian rights  
Water allocation (policy)  
Water conservation  
Water demand  
Water management (applied)  
Water policy  
Water resources  
Water resources development  
Water rights  
Water supply  
Water utilization

## WATER WELLS

NT Artesian wells  
RT Aquifers  
Groundwater  
Water supply  
Water table

## WATERFLEAS

UF Leptodora kindtii  
BT Aquatic animals  
Crustaceans  
Invertebrates  
Plankton  
Zooplankton

## WATERFOWL

RT Water birds  
Wildlife

## WATERSHEDS (BASINS)

RT Floods  
Forestry  
River basins  
Surface waters  
Water supply

## WAVES (WATER)

RT Currents (water)  
Erosion  
Sand bars  
Water circulation

## WEATHER DATA

RT Charts  
Meteorological data

## WETLANDS

NT Marshes  
Salt marshes  
Tidal marshes  
RT Surface waters

## WHITE BASS

BT Aquatic animals  
Freshwater fish  
Hybrids  
Marine fish

## WHITE PERCH

UF Roccus americanus  
Morone americana  
BT Aquatic animals  
Freshwater fish  
Sea basses

## WILD RIVERS

BT Rivers  
Surface waters  
RT Recreation  
Scenery  
Water policy

## WILDLIFE

NT Alewives  
Alosids  
American shad  
Amphibians  
Anadromous fish  
Atlantic menhaden  
Bass  
Blueback herring  
Brackish-water fish  
Catfishes  
Cobia  
Commercial fish  
Croaker  
Eels  
Elasmobranchs

## WILDLIFE (Cont'd)

NT Freshwater fish  
Frogs  
Grey sea trout  
Herrings  
Juvenile fishes  
Killifishes  
Marine fish  
Reptiles  
Salamanders  
Sea basses  
Sharks  
Silversides  
Skates  
Spot  
Sticklebacks  
Striped bass  
Trout  
Turtles  
Water birds  
Waterfowl  
White bass  
White perch

## WILDLIFE CONSERVATION

RT Animal control  
Habitats  
Reservoirs  
Riparian rights  
Water allocation (policy)  
Wetlands  
Wildlife

## WIND VELOCITY

RT Hurricanes  
Winds

## WINDS

RT Hurricanes  
Tides

## WINTER

RT Seasonal

## WORMS

BT Invertebrates  
NT Platyhelminthes  
Polychaetes  
Trematodes

## YORK RIVER

BT Rivers  
Surface waters  
RT Virginia

## ZOOPLANKTON

BT Aquatic animals  
Plankton  
NT Waterfleas  
RT Aquatic microorganisms  
Seston