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## Chesapeake Bay Baseline Data Acquisition Appendix I: A Chesapeake Bay Directory

Chesapeake Research Consortium, Incorporated

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#163

# Chesapeake Research Consortium, Incorporated

## A CHESAPEAKE BAY DIRECTORY

FEBRUARY 1978



PREPARED FOR  
THE CHESAPEAKE BAY PROGRAM  
U. S. ENVIRONMENTAL PROTECTION AGENCY  
REGION III



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

OSP  
#464

A CHESAPEAKE BAY DIRECTORY

Prepared for

The Chesapeake Bay Program  
Region III  
United States Environmental Protection Agency  
6th and Walnut Streets  
Philadelphia, Pennsylvania  
Contract No. 68-01-3994

by

Chesapeake Research Consortium, Incorporated

University of Maryland  
Center for Environmental and Estuarine Studies  
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Virginia Institute of Marine Science  
Maurice P. Lynch  
Thomas Lochen

CRC Publication No. 63  
February 1978

## ABSTRACT

This directory is the updated version of the Mitre Corporation directory compiled in September 1976 for the staff of the Chesapeake Bay Program, Region III, Environmental Protection Agency. It identifies, by name, address, and telephone number, academic researchers, administrators, institutions, agencies, interest groups, consulting organizations, and other entities concerned with the water quality of the Chesapeake Bay and related water matters. It is current as of February 1978 and should be revised periodically to incorporate changes in personnel and organization structure.

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## 1.0 INTRODUCTION

### 1.1 Content, Purpose and Use of Directory

This volume is a directory of academic researchers, administrators, institutions, agencies, and other organizations that play an active role in regulating, monitoring, or studying the water quality of the Chesapeake Bay, or which exhibit an interest in the quality of the Bay. The directory may be used as a companion to A Chesapeake Bay Review: Research and Responsibilities Volume I prepared by the Mitre Corporation for acquiring mailing addresses or as a telephone directory.

This directory was prepared for the United States Environmental Protection Agency Region III as a part of The Chesapeake Bay Program. It partially fulfills obligations for the "Baseline Data Acquisition" project, contract number 68-01-3994.

### 1.2 Sources and Limitations of Information

The information in this directory is an updated version of that in A Chesapeake Bay Review: Research and Responsibilities Volume II published in September 1976 by the Mitre Corporation. The listings were confirmed or updated with information obtained through mailings or by telephone conversations with administrators or scientists representing each organization in the directory.

In the Mitre report the academic institutions and researchers actively engaged in research on the Bay (graduate students not included) were compiled from information contained in a 1972 inventory of estuarine scientists prepared by the Chesapeake Research Consortium, Inc. (Kerby and McErlean, 1972; Cohen and McErlean, 1972) and from recommendations by various researchers and administrators.

Various directories were utilized at the start of the Mitre project to obtain information concerning governmental agencies (Cross and Hennington, 1974; Decker, 1975; Kerbec, 1974; The Onyx Group, Inc., 1974). The listings of governmental agencies contained within this directory were originally compiled from information obtained directly from these agencies.

The listing of interest groups and consulting organizations in the Bay area was compiled from various environmental and consulting directories (Cross and Hennington, 1974; Decker, 1975; The Onyx Group, Inc., 1974) and from mailing addresses provided by various agencies. A few consultants who have mailing addresses outside of the Bay area were included because they have been identified by various governmental agencies or reports as having performed studies on the Bay or are interested in performing contractual studies on the Bay.

Owing to the time period assigned for the updating of this directory, it was not possible to identify every organizational unit having interest in the Bay. Many

quasi-governmental units, especially at the local and county levels of organization which receive subsidies for land use planning, coastal zone management planning, mosquito control, or erosion control may be absent from this report.

Although current through 1 February 1978, the information contained within should be revised, updated, and expanded periodically to reflect changes in personnel and organizational structure. This is particularly relevant to the various governmental agencies which are undergoing reorganization.

## 2.0 ACADEMIC INSTITUTIONS

### 2.1 American University Washington, D. C. 20016

(202) 686-2000

Department of Biology  
(202) 686-2177

Anderson, Richard R. (Prof.)  
- wetlands, remote sensing

Banta, William (Director of Marine Science Program)  
- bryozoans, wetlands

Champ, Michael (Prof.)  
- water pollution

### 2.2 Anne Arundel Community College 101 College Parkway Arnold, Maryland 21012

(301) 647-7100

Department of Biology

Gemignani, Hugo G. (Prof.)  
- estuarine biota

Suman, Theodore (Prof.)  
- entomology of areas adjacent to Bay

Williams, David H. (Prof.)  
- plankton, plant taxonomy and anatomy

Department of Ocean Engineering Technology

Gucinski, Hermann (Prof.)  
- oceanography, training of marine  
technicians, ocean dumping

Stibolt, Kenneth A. (Prof.)  
- oceanography, training of marine  
technicians, marine education

2.3 Charles County Community College

Box 910  
Mitchell Road  
La Plata, Maryland 20646

(301) 934-2251

Division of Biological Sciences

Jensen, Belva (Director)

- environmental planning, energy resources

Department of Estuarine Resource Technology

Poe, Thomas (Prof.)

- training of estuarine research  
technicians, chairman of Benedict  
Station

Pollution Abatement Technology Department  
Ext. 217

Engel, William T. (Chairman)

- manager for St. Charles lagoon  
nutrient research project

2.4 Chesapeake College  
Wye Mills, Maryland 21679

(301) 758-1537

Department of Science and Mathematics

Shepherd, John (Asst. Prof.)

- conducts instructional field  
trips for ecology course

Wieland, Tom (Instructor)

- marine ecology

2.5 Christopher Newport College  
50 Shoe Lane  
P. O. Box 6070  
Newport News, Virginia 23606

(804) 599-7000

Department of Biology, Marine Science Section  
(804) 599-7062

Cones, Harold Nelson, Jr. (Prof.)  
- marine jellyfish

Mollick, Ronald S. (Prof.)  
- benthic invertebrate ecology

Wise, E. Spencer (Prof.)  
- wetlands ecology, coastal zoning,  
submerged aquatic vegetation  
- Citizen Representative - Submerged  
Aquatic Vegetation Group for Citizen's  
Committee for Chesapeake Bay

2.6 University of Delaware  
Newark, Delaware 19711

(302) 738-2000

College of Marine Studies  
Lewes Complex  
Lewes, Delaware 19958

(302) 645-4211

Price, Kent S. (Assoc. Dean and Director)

College of Marine Studies  
Robinson Hall  
Newark, Delaware 19711

(302) 738-2841

Gaither, William S. (Dean)

Biggs, Robert B. (Asst. Dean)

Daiber, Franklin C. (Prof.)  
(302) 738-1212  
- fish movements in the Chesapeake  
and Delaware Canal  
- participated in a FWS Permit Review  
study

Lotrich, Victor A. (Prof.)  
(302) 738-2276  
- ecological aspects of the Chesapeake  
and Delaware Canal

2.7 Federal City College  
Department of Biology  
1331 H Street, N. W.  
Washington, D. C. 20005

(202) 727-2743

Phelps, Harriet (Assoc. Prof.)

- heavy metals, chelation and adsorption  
of cadmium by shellfish

2.8 George Washington University  
2121 I Street  
Washington, D. C. 20052

(202) 676-6000

Department of Biology  
(202) 676-6090

Hufford, Terry (Prof.)

- algae, freshwater diatoms

Knowlton, Robert (Prof.)

- marine biology

Merchant, Henry (Prof.)

- aquatic ecology

Department of Chemistry  
(202) 676-6121

Caress, Edward (Prof. and Asst. Dean of Graduate Studies)  
- organic chemical analysis

Rowley, David (Prof. and Asst. Dean of Graduate Studies)  
- inorganic chemical analysis

School of Engineering and Applied Science  
Department of Civil, Mechanical and Environmental Engineering  
(202) 676-6749

Fox, R. (Prof.)

- soil mechanics

Department of Geology  
(202) 676-6190

Seigel, Frederick (Prof.-Chairman)

- geochemistry, sediment analysis,  
algae blooms

2.9 Georgetown University  
37th and O Street, N. W.  
Washington, D. C. 20057

(202) 625-0100

Department of Biology  
(202) 625-4126

Chapman, George Bunker (Prof.-Chairman)  
- cell biology, electron microscopy

Blanquet, R. S. (Prof.)  
- invertebrate physiology

Chen, Peter K. (Prof.)  
- fish diseases, immunology

Spoon, Donald M. (Prof.)  
- protozoans and pollutants in the  
Potomac River

Sze, Philip (Prof.)  
- phycology

2.10 Goucher College  
Dulaney Valley Road  
Towson, Maryland 21204

(301) 825-3300

Johnson, William (Prof.)  
- ecology and marine biology

Webb, H. Marguerite (Prof.)  
- biological rhythms

2.11 Hood College  
Rosemount Avenue  
Frederick, Maryland 21701

(301) 663-3131

Department of Biology

Gilford, James H. (Prof.-Chairman)  
- aquatic ecology

2.12 Johns Hopkins University  
34th and Charles Streets  
Baltimore, Maryland 21218

(301) 338-8000

Applied Physics Laboratory  
John Hopkins Road  
Laurel, Maryland 20810

(301) 953-7100

Schulz, A. G. (Asst. Director for Planning)  
- power plant siting evaluation

Eberhart, Russell (Section Supervisor)  
- power plant siting evaluation

Kohlenstein, Lawrence C. (Asst. Group Supervisor)  
- power plant siting evaluation

Moon, Milton (Project Supervisor)  
- power plant siting evaluation

Portner, Edward (Project Engineer)  
- power plant siting evaluation

Chesapeake Bay Institute  
(301) 338-8255

Gross, M. Grant (Director)  
- sediments and wastes in coastal  
and ocean environment, urban  
effects in ocean  
- Trustee, Chesapeake Research  
Consortium  
- Member, Chesapeake Bay Foundation  
- Member, Sea Grant Advisory Board

Taylor, W. Rowland (Asst. Director for Research)  
- estuarine biological and  
chemical oceanography

Pritchard, Donald W. (Principal Chief Scientist)  
- dynamics and kinematics of  
estuarine circulation

Boicourt, William C. (Assoc. Research Scientist)  
- physical oceanography, circulation  
and mixing

- Cronin, Bill (Staff Oceanographer)  
- field oceanography
- Eaton, Andrew (Assoc. Research Scientist)  
- marine geochemistry
- Ferri, Kenneth (Staff Chemist)  
- analytical chemistry of sea water
- Grant, Virginia E. (Staff Chemist)  
- biogeochemistry of trace metals  
in the Bay
- Heinbokel, John (Assoc. Research Scientist)  
- zooplankton
- Karweit, Michael J. (Research Scientist)  
- fluid mechanics
- Miller, Paul E. (Asst. Research Scientist)  
- biological aspects of power  
plant siting
- Najarian, Tavit (Assoc. Research Scientist)  
- physical oceanography, mathematical  
modeling
- Otto, Robert G. (Assoc. Research Scientist)  
- bioassay, experimental ecology  
and environmental physiology of  
fishes
- Rives, Stephen R. (Staff Oceanographer)  
- hydrography, power plant siting  
evaluation
- Schiemer, Edmund W. (Research Engineer)  
- instrumentation, littoral drift
- Taft, Jay L. (Research Scientist)  
- phytoplankton physiology, phos-  
phorus distribution in the Bay
- Tyler, Mary (Assoc. Research Scientist)  
- phytoplankton
- Wahely, Richard (Staff Oceanographer)  
- current meter observations
- Wang, Dong-Ping (Assoc. Research Scientist)  
- mathematical modeling of estuarine  
and oceanographic processes

Chesapeake Bay Institute Field Station  
313 Third Street  
Annapolis, Maryland 21403

(301) 268-5231 or  
268-0281

(Some of the above scientists work out of this field station)

Department of Biology  
(301) 338-7330

Powers, Dennis (Asst. Prof.)

- biochemical genetics of fish  
populations

Seliger, Howard (Prof.)

- phytoplankton

Department of Earth and Planetary Sciences  
(301) 338-7035

Phillips, Owen M. (Chairman)

- geophysics, waves and turbulence

Jackson, Jeremy (Assoc. Prof.)

- aquatic ecology

Woodin, Sarah (Asst. Prof.)

- benthic ecology

Department of Geography and Environmental Engineering  
(301) 338-7092

Wolman, M. G. (Chairman)

- environmental engineering, urban  
and land runoff, water quality

Boland, John (Assoc. Prof.)

- economics of and resource uses of  
power plant siting, coastal zone  
management

Brush, Lucin M. (Prof.)

- nutrient loading, water quality  
management, power plant siting

Chamberlin, Charles (Asst. Prof.)

- water quality management, wastewater  
loading

Cohen, Jared (Assoc. Prof.)

- water quality modeling, Potomac River studies

Re Velle, Charles (Prof.)

- water quality modeling, Potomac River studies

School of Hygiene and Public Health  
615 North Wolfe Street  
Baltimore, Maryland 21218

(301) 955-5000

Department of Environmental Health Science  
Division of Toxicology  
(301) 955-3045

Frazier, John M. (Prof.)

- toxic substances

Department of Pathobiology  
(301) 955-3604

Sladen, William J. L. (Prof.)

- winter waterfowl populations (geese, swans)

Southwick, Charles (Prof.)

- aquatic vegetation, fish and water quality in the Baltimore Harbor

2.13 Longwood College  
Farmville, Virginia 23901

(804) 392-9291

Department of Natural Sciences  
(804) 392-9351

Batts, Billy S. (Assoc. Prof.)

(804) 392-9353 - fisheries, marine ecology

Harvill, Alton M. (Prof.)

- botany of the Bay

2.14 Mary Washington College  
Fredericksburg, Virginia 22401

(703) 373-7250

Department of Biology

Bass, M. L. (Prof.)

- aquatic ecology, fisheries, aquatic entomology, fish toxicology

Pinschmidt, W. (Prof.)

- marine biology, animal ecology, invertebrate zoology

2.15 University of Maryland

University of Maryland at Baltimore (UMAB)

Law School  
500 W. Baltimore Street  
Baltimore, Maryland 21201

(301) 528-7214

Power, Garrett (Prof.)

- environmental law, coastal zone planning

School of Medicine  
31 S. Greene Street  
Baltimore, Maryland 21201

(301) 528-7410

Division of Dermatology  
(301) 528-5766

Burnett, Joseph W. (M.D.)

- toxicology of venomous animals in Bay, study of toxins from dino-flagellates and causes of fish kills

Calton, Gary J. (Prof.)

- toxicology of venomous animals in Bay, study of toxins from dino-flagellates and causes of fish kills

Department of Pathology  
(301) 528-7070

Trump, Benjamin F., M.D. (Chairman)

- fish pathology, fish toxicology carcinogenesis in fish

Heatfield, Barry M. (Asst. Prof.)  
- neoplasia and phagocytosis in bivalves

Jones, Raymond T. (Asst. Prof.)  
- fish pathology, fish toxicology,  
carcinogenesis in fish

Kahng, Myong W. (Asst. Prof.)  
- energy metabolism in marine organisms,  
effects of pollutants on microsomal  
enzymes

Kaiser, Hans E. (Asst. Prof.)  
- invertebrate toxicology

Department of Pharmacognosy  
(301) 528-7515

Blomster, Ralph (Prof.)  
- biotransformation of fungi and pesticides

Speedie, Marylan (Asst. Prof.)  
- biotransformation of fungi and pesticides

University of Maryland, Baltimore County, (UMBC)

Department of Biological Sciences  
Catonsville, Maryland 21228

(301) 455-2297

Bradley, Brian (Assoc. Prof.)  
- estuarine copepods

Burchard, Robert P. (Prof.)  
- ecology of estuarine microorganisms

Department of Political Science  
5401 Wilkens Avenue  
Baltimore, Maryland 21228

(301) 455-2568

Milsten, Donald E. (Prof.)  
- member of Panel on Public Policy on  
Nuclear Energy for Electricity Generation,  
regulation of pollution control, coastal  
zone management

(Dr. Milsten is on leave through July, 1979 and is currently  
Director of the Maryland Energy Policy Office. He can be contacted  
at): Suite 1302  
301 W. Preston Street  
Baltimore, Maryland 21201  
(301) 383-6810

University of Maryland, Central Administration (UMCA)  
College Park, Maryland 20742

(301) 454-0100

Sparks, David S. (Interim Vice President for Graduate Studies  
and Research)

- Sea Grant Program
- Trustee, Chesapeake Research Consortium

University of Maryland, Center for Environmental and Estuarine  
Studies (UMCEES)

Administrative Office  
P.O. Box 775  
Horn Point Road  
Cambridge, Maryland 21613

(301) 228-9250

Wagner, Peter E. (Director)

- environmental policy, as related to impact of human activities on the Bay environment and the scientific basis for public decisions concerning Bay areas

McErlean, Andrew (Assoc. Director of Research)

- research administration, multi-institutional cooperative studies, estuarine pollution ecology

Winn, Paul N., Jr. (Assoc. Director for Administration)

- business personnel and capital budget management

Billings, Gloria (Agent in Charge of Public Affairs)

- center public relations including editing and design of publications, media relations, special events, advising laboratories and scientists on public relations matters, and providing Center archive services

Appalachian Environmental Laboratory  
Frostburg State College Campus  
Gunter Hall  
University of Maryland  
Frostburg, Maryland 21532

(301) 689-3115

Chapman, Joseph A. (Assoc. Prof. and Head)

- wildlife biology and ecology, terrestrial ecosystems, game

and non-game research, management programming for mammals, home range and density studies, mammalian reproductive physiology, biology of introduced mammals

Dixon, Kenneth R. (Asst. Prof.)

- mathematical modeling and computer simulation of ecosystems and wildlife populations, research on prediction of long-term effects of man's perturbation of natural ecosystems, predator-prey relationships, wildlife population dynamics

Feldhamer, George A. (Research Assoc.)

- big game biology and management, wildlife habitat measurements and evaluation, wildlife population analyses including the effects of vegetative and edaphic parameters on wildlife distribution and abundance

Fuller, Kent B. (Senior Agent)

- resource education and planning, public relations and information and education programming, environmental and outdoor education, community services and media coordination

Gates, Edward J. (Asst. Prof.)

- wildlife biology and management, habitat selection and analyses, population and community ecology, upland game and non-game research, plant systematics and ecology

Harman, Dan M. (Assoc. Prof.)

- forestry and forest entomology, forest insect bio-ecology, insect behavior and morphology, forest management practices, freshwater macroinvertebrate research

Hocutt, Charles H. (Asst. Prof.)

- ecology of freshwater ecosystems, biology of fishes and macroinvertebrates, fish and aquatic invertebrate taxonomy, behavior, toxicity and thermal research, pollution of aquatic systems

Mitsch, William J. (Asst. Prof.)  
- environmental and mechanical engineering sciences, disturbed aquatic and terrestrial systems ecology, ecosystem modeling and planning, aquatic and terrestrial ecosystems energetics, aquatic ecology

Mosher, James A. (Asst. Prof.)  
- avian biology and ecology, game and non-game research, ecology and biology of birds of prey, physiological ecology and bioenergetics

Stauffer, Jay R., Jr. (Asst. Prof.)  
- ecology of freshwater ecosystems, biology of fishes and macroinvertebrates, fish and aquatic invertebrate taxonomy, pollution of aquatic systems

Willner, Gale R. (Faculty Research Asst.)  
- wildlife biology and ecology, aquatic furbearers, reproductive physiology and habitat analysis, marsh ecology and management, wildlife laboratory techniques and procedures

College Park Field Station  
8905 Azalea Lane  
College Park, Maryland 20742

(301) 454-5641

Flyger, Vagn (Prof.)  
- waterfowl and aquatic mammals, wildlife sanctuaries, endangered wildlife

Genys, John B. (Prof.)  
- near-Bay trees, tree improvement, water temperature, ground water levels

Tsai, Chu-Fai (Prof.)  
- fishery biology, effects of pollution on fish

Chesapeake Biological Laboratory  
P.O. Box 38  
Solomons, Maryland 20688

(301) 326-4281

Cooney, Joseph J. (Prof. and Head)  
- microbial physiology and ecology, metabolism of hydrocarbons, photokilling of bacteria, microbial transformations of metals

- Reber, Michael J. (Asst. to the Head of Laboratory)  
 - operations and administration,  
 biological photographer, photographs  
 of Bay organisms
- Beaven, M. Linton (Sr. Faculty Research Asst.)  
 - nuclear power plant impacts on primary  
 production, nuclear power plant entrain-  
 ment study
- Beaven, Melvin S. (Faculty Research Asst.)  
 - stomach analysis of striped bass,  
 zooplankton toxicology, ichthyoplankton  
 analysis
- Boynton, Walter R. (Asst. Prof.)  
 - regional modeling of estuarine, urban,  
 and terrestrial ecosystems, phytoplankton  
 production, detritus utilization, and  
 nutrient cycling
- Bradford, Richard H., Jr. (Faculty Research Asst.)  
 - pollution ecology
- Cargo, David G. (Research Assoc.)  
 - estuarine ecology of benthic invertebrates,  
 biology and control of sea nettles
- Cole, Marthe A. (Faculty Research Asst.)  
 - aquatic microbiology
- D'Elia, Christopher F. (Asst. Prof.)  
 - nutrient dynamics and energetics of  
 marine ecosystems, phytoplankton,  
 invertebrate symbiosis, coral reef  
 ecology, aquaculture
- Drobeck, Klaus G. (Faculty Research Asst.)  
 - aquatic microbiology
- Dunnington, Elgin A. (Research Assoc.)  
 - research vessel design and operation,  
 shellfish biology
- Heinle, Donald R. (Assoc. Prof.)  
 - ecology of zooplankton energy transfer
- Hiegel, Martha H. (Sr. Faculty Research Asst.)  
 - benthic invertebrates
- Homer, Mark L. (Faculty Research Asst.)  
 - systems analysis, finfish biology  
 and ecology

- Jones, Philip W. (Faculty Research Asst.)  
 - water quality, productivity
- Kaumeyer, Kenneth R. (Faculty Research Asst.)  
 - benthic sampling and analysis of benthic community structure, underwater caging experiments to determine benthic predation patterns, benthic metabolism experiments and chemical analysis of seawater
- Koo, Ted S. Y. (Prof.)  
 - fishes, fish eggs, and larvae, thermal impacts, sewage-aquaculture, Sea Grant Program Development
- Lubbers, Lawrence III (Faculty Research Asst.)  
 - biological impacts of steam electric stations
- Lunsford, H. Robert, Jr. (Faculty Research Asst.)  
 - Patuxent River finfish survey
- Martin, F. Douglas (Asst. Prof.)  
 - fish egg and larval systematics, ecology of larval and juvenile fishes
- Mihursky, Joseph A. (Prof.)  
 - pollution ecology, thermal discharges, temperature effects on biota, impacts of regional planning decisions, estuarine community dynamics
- Millsaps, Harold S., Jr. (Sr. Faculty Research Asst.)  
 - power plant entrainment of zooplankton
- Mountford, Nancy K. (Sr. Faculty Research Asst.)  
 - benthic invertebrates
- Osborne, Carl G. (Faculty Research Asst.)  
 - benthic and water column metabolism, pollution biology
- Pfitzenmeyer, Hayes T. (Research Assoc.)  
 - benthic invertebrate ecology, shellfish biology and management
- Rawls, Charles K. (Agent)  
 - communication of information, wetlands ecology, waterfowl food habits studies

- Roosenburg, Willem H. (Faculty Research Asst.)  
 - biology and toxicology of shellfish
- Rosenkranz, Ann M. (Faculty Research Asst.)  
 - biology and toxicology of shellfish
- Setzler, Eileen M. (Research Assoc.)  
 - ichthyoplankton, population dynamics  
 and ecology, utilization of estuarine  
 nursery areas
- Shelton, Diane G. (Faculty Research Asst.)  
 - pollution ecology
- Smucker, Richard A. (Research Assoc.)  
 - physiology and cytology of aquatic  
 microorganisms, scanning and trans-  
 mission electron microscopy
- Sprague, Victor (Prof.)  
 - protozoan diseases and disease agents
- Ulanowicz, Robert E. (Assoc. Prof.)  
 - modeling of mass flows, hydrographic  
 modeling applied to impact of elec-  
 trical generation facilities
- Wiley, Martin L. (Asst. Prof.)  
 - fishery biology, impacts of underwater  
 explosions  
 - Managing Editor, ESTUARIES and Estuarine  
 Research Federation
- Wilson, John S. (Faculty Research Asst.)  
 - fishery biology, computer systems
- Wood, Kathryn (Faculty Research Asst.)  
 - ecology, impacts of pollution and power  
 plants on ichthyoplankton and adult  
 fishes
- Zion, Henry H. (Faculty Research Asst.)  
 - ichthyoplankton and finfish biology

Horn Point Environmental Laboratories  
 P.O. Box 775  
 Horn Point Road  
 Cambridge, Maryland 21613

(301) 228-8200

- Sulkin, Stephen D. (Assoc. Prof. and Head)  
 - ecology of blue crab, development  
 of marine and estuarine invertebrates,  
 larval ecology, physiology

- Baptist, Garry (Biologist I)  
- algal culture
- Fisher, Thomas R. (Asst. Prof.)  
- nutrient dynamics
- Hampp, Charles (Faculty Research Asst.)  
- nutrient analysis and computer programming
- Johnston, Michael (Faculty Research Asst.)  
- recolonization patterns in areas altered by dredging and spoil dispersal
- Kemp, William M. (Asst. Prof.)  
- systems ecology
- Kennedy, Victor S. (Asst. Prof.)  
- benthic ecology, oyster reproduction and settlement
- Krantz, George E. (Assoc. Prof.)  
- shellfish biology, diseases of finfish and estuarine organisms, hatchery techniques
- Krantz, Lucretia (Faculty Research Asst.)  
- shellfish histology
- Lane, Lois C. (Biologist I)  
- water analysis
- Lee, Henry (Post Doctoral Fellow)  
- benthic ecology
- Lomax, Kenneth M. (Asst. Prof.)  
- wastewater treatment and disposal, aquacultural engineering, diffuse sources of pollution
- Lomax, Nancy (Faculty Research Asst.)  
- microbiology
- Meritt, Donald (Biologist II)  
- shellfish biology and waterfowl ecology with special interest in hybridization
- Miller, Robert E. (Biologist III)  
- ecology of blue crab
- Pemberton, Dixie Ann (Assoc. Prof.)  
- conservation education

- Price, Daniel (Faculty Research Asst.)  
- diffuse sources of pollution
- Smawley, Donna (Faculty Research Asst.)  
- oyster biology and invertebrate ecology
- Stevenson, J. Court (Asst. Prof.)  
- marsh ecology, diffuse source nutrient and pollution loading by terrestrial and aquatic systems
- Tatro, Mahlon C. (Assoc. Prof.)  
- environmental information
- Van Heukelem, William (Post Doctoral Research Assoc.)  
- significance of spawning stock to recruitment of blue crabs

Marine Products Laboratory  
Box 351  
Crisfield, Maryland 21817

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- Wutoh, Joseph G. (Prof. in Charge)  
- marine and estuarine pharmacology, protozoan culture techniques, toxic algae bloom monitoring
- Boon, David D. (Faculty Research Asst.)  
- seafood process wastewater, discoloration in shellfish, heavy metal concentrations in shellfish
- Buroker, Norman E. (Post Doctoral Fellow)  
- population genetics of oysters
- Cockey, Ralph R. (Faculty Research Asst.)  
- marine microbiological processes, public health aspects of pollution
- Duersch, James W. (Asst. Prof.)  
- research in seafood technology
- Paparella, Michael W. (Senior Agent)  
- extension service in food technology to seafood industry

University of Maryland, College Park (UMCP)

Department of Agricultural Engineering  
Shriver Laboratory  
College Park, Maryland 20742

(301) 454-3901

Stewart, Larry E. (Chairman)

- teaching, research, aquacultural engineering
- Sea Grant Program Marine Advisory Council

Ayars, James (Asst. Prof.)

- non-point source pollution

Brodie, Herb (Senior Extension Specialist)

agricultural waste disposal

Wheaton, Frederick W. (Assoc. Prof.)

- fisheries and shellfish, aquaculture, seafood processing

Department of Agriculture and Resource Economics  
College Park, Maryland 20742

(301) 454-3801

Lessley, Billy V. (Acting Chairman)

- business management with fishermen

Cain, Jarvis L. (Prof.)

- management and planning of seafood and other water-related industries

Strand, Iver (Asst. Prof.)

- management of fishery resources

Department of Agronomy  
College Park, Maryland 20742

(301) 454-3718

Fanning, D. S. (Prof.)

- soil classification of tidal marshes, soil-vegetation relationships, sulphur content of tidal marshes

Foss, John E. (Prof.)

- soil classification of tidal marshes, soil-vegetation relationships, sulphur content of tidal marshes

Department of Botany  
College Park, Maryland 20742

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- Patterson, Glenn W. (Acting Chairman)  
- biochemistry of algae
- Karlander, Edward P. (Prof.)  
- physiological ecology of  
algae
- Stevenson, J. Court (Prof.)  
- marsh ecology
- Van Valkenburg, Shirley D. (Prof.)  
- phytoplankton systematics

Department of Chemistry  
College Park, Maryland 20742

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- Bellama, John M. (Prof.)  
- transformation of metals  
and organometals
- Helz, George R. (Assoc. Prof.)  
- geochemistry and analytical  
chemistry of trace organics  
and inorganics, source in-  
ventories and mass balances  
for anthropogenic contaminants
- Ponnampuruma, Cyril (Prof.)  
- diagenesis of organic compounds  
in sediments, hydrocarbons in  
ocean waters
- Shimoyama, Akira (Research Assoc.)  
- organic compounds in sediments  
and water
- Sommer, Sheldon E. (Assoc. Prof.)  
- geochemistry of sediments,  
metal-sediment interactions,  
mineral diagenesis, environmental  
effects of metal loading
- Veitch, F. P. (Prof. Emeritus)  
- oysters

Department of Civil Engineering  
College Park, Maryland 20742

(301) 454-2438

Birkner, Francis B. (Prof.)

- heavy metals in oysters, precious metals in dredge spoils, chemical oxidation of reduced sulfur species

McCuen, Richard (Assoc. Prof.)

- wildlife habitat evaluation model

Sternberg, Y. M. (Prof.)

- ground water flow, spray irrigation of treated effluent on land

Department of Economics  
College Park, Maryland 20742

(301) 454-3447

Cumberland, John H. (Prof.-Chairman)

- chloroform in drinking water

Department of Entomology  
College Park, Maryland 20742

(301) 454-4239

Bickley, William E. (Prof.)

- salt marsh insect fauna

Messersmith, Donald H. (Prof.)

- survey of birds in Horn Point area

Institute of Fluid Dynamics and Applied Mathematics  
College Park, Maryland 20742

(301) 454-2636

Faller, Alan J. (Prof.)

- oceanography, fluid dynamics, meteorology

Landsberg, Helmut E. (Prof. Emeritus)

- air mass modification

Department of Geology  
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Sommer, Sheldon E. (Assoc. Prof.)

- geochemistry of sediments, metal-sediment interactions, mineral diagenesis, environmental effects of metal loading

Department of Mechanical Engineering  
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Marks, Colin H. (Prof.)

- sea nettle barriers, oil spill containment, erosion

Department of Microbiology  
College Park, Maryland 20742

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Colwell, Rita R. (Prof.)

- classification of marine bacteria, pollution degradation by microorganisms, microbial ecology, incidence of pathogens, Sea Grant Program Director

Hetrick, Frank M. (Prof.)

- human enteroviruses in Bay and Bay biota

Howard, Lawrence V. (Asst. Prof.)

- human pathogens in aquatic environments

Voll, Mary J. (Assoc. Prof.)

- pollution induced mutations in bacterial test system, molecular biology of Vibrio in the Bay

Weiner, Ronald M. (Assoc. Prof.)

- microbial, ecology, pathogen input, microbial degradative processes

Department of Veterinary Science  
College Park, Maryland 20742

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Ingling, Allen L. (Prof.)

- microbiology and pathobiology  
of soft-shelled clams

Department of Zoology  
College Park, Maryland 20742

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Corliss, John O. (Chairman)

- protozoa, Sea Grant Program  
Advisory Board
- Trustee, Chesapeake Research  
Consortium

Haley, A. James (Asst. Chairman)

- parasites and disease of Bay  
fauna

Allan, J. David (Assoc. Prof.)

- zooplankton ecology

Bonar, Dale B. (Asst. Prof.)

- development and metamorphosis  
of marine invertebrates

Clark, Eugenie (Prof.)

- sharks, skates and rays

Higgins, William J. (Asst. Prof.)

- comparative physiology and  
development of marine inver-  
tebrates

Linder, Harris J. (Assoc. Prof.)

- sex differentiation in sea  
nettles

Pierce, Sidney K. (Assoc. Prof.)

- physiological and biochemical  
interactions between marine  
invertebrates and their environ-  
ments

Reaka, Marjorie L. (Asst. Prof.)  
- life histories of Crustacea,  
ecology of mantis shrimp

Small, Eugene B. (Assoc. Prof.)  
- systematics and diversity of  
ciliated protozoa

University of Maryland, Eastern Shore (UMES)

Department of Natural Sciences  
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Hopkins, Thomas (Prof.-Chairman)  
- fungal and algal toxins,  
heavy metals, water sampling  
and monitoring

Albano, Marianita (Asst. Prof.)  
- fungal toxins

Bass, Eugene (Prof.)  
- sensory physiology, Central  
Nervous System physiology,  
respiratory systems of aquatic  
organisms

Gupta, Gian (Asst. Prof.)  
- water sampling and monitoring

Pinion, Jack (Prof.)  
- algal toxins

Reback, Steve (Prof.)  
- activity rhythms of marine  
organisms, orientation and  
migration of marine organisms,  
ecology and behavior of crabs

University of Maryland, Cooperative Extension Service (UMCES)  
College Park, Maryland 20742

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Curtis, John M. (Director)  
- user education programs, Sea  
Grant Program Development,  
Administration of Marine  
Advisory Program

Mazzaccaro, Tony P. (Marine Advisory Program Coordinator)

- user education programs, Sea Grant Program Development, administration of Marine Advisory Program

Adkins, Ralph J. (District Supervisor)

- training, advising and coordinating extension agents on environmental programs

Busbice, Bobby G. (District Supervisor)

- training, advising and coordinating extension agents on environmental programs

#### Marine, Agriculture and Community and Resource Development

Sorter, Bruce W. (CRD and Marine Advisory Program Specialist)

- training, advising and coordinating extension agents on environmental programs

Beiter, Robert J. (Extension Economist)

- tax and record keeping for watermen extension programs

Bender, Norman K. (Extension Economist)

- public information, tax and record keeping for watermen extension programs

Brinsfield, Russell B. (Extension Agricultural Engineer)

Salisbury, Maryland  
(301) 749-9539

- engineering programs related to seafood processing, waste disposal, hydraulics and electrical systems

Hunt, Gary E. (Extension Specialist)

- informational services, publications, media and public information

Milliken, James W. (Extension Agent)

Kent County  
(301) 778-1661

- education programs related to business management for watermen, pesticide management, wetlands management, and livestock management to eliminate water pollution

Monroe, George E. (Extension Agent)  
Worcester County - education programs related to business management for watermen, pesticide management, wetlands management, and livestock management to eliminate water pollution  
(301) 632-1972

Mott, Shirley J. (Extension Home Economist)  
- consumer related information on finfish and shellfish

Nerud, Georgia S. (Extension Home Economist)  
- consumer related information on finfish and shellfish

Ritchie, Douglas E. Jr. (Marine Advisory Agent)  
Southern Maryland - methods, regulations and development of commercial fisheries, business management for watermen, seafood processing  
(301) 535-3664

Swecker, Edward L. (Extension Agent)  
St. Mary's County - educational programs related to business management for watermen, pesticide management, wetlands management, and livestock management to eliminate water pollution  
(301) 475-5621

VanZandt, Dorothy P. (Extension Home Economist)  
- consumer related information on finfish and shellfish

Webster, Donald W. (Marine Advisory Agent)  
Eastern Shore - methods, regulations and development of commercial fisheries, business management for watermen, seafood processing  
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Marshall, Harold G. (Prof.-Chairman)  
- marine and freshwater plankton ecology and systematics

- Matta, James F. (Prof.-Asst. Chairman)  
- ecology and systematics of aquatic invertebrates
- Alden, Raymond W. (Prof.)  
- pollution, ecology, zooplankton
- Birdsong, Ray S. (Assoc. Prof.)  
- ecology and systematics of fishes
- Dauer, Daniel M. (Prof.)  
- ecology of marine benthic invertebrates
- Erkenbrecher, Carl W. (Prof.)  
- estuary and marine microbiology
- Johnson, James C. (Prof.)  
- eco-virology, virology of estuaries
- Kirk, Paul W. (Prof.)  
- marine microbial ecology, mycology
- Musselman, Lytton (Prof.)  
- aquatic and wetlands plants

#### Department of Chemistry

- Diefenderfer, A. James (Prof.-Chairman)  
- instrumentation
- Bell, Charles E., Jr. (Prof.)  
- natural products from marine organisms

#### Department of Civil Engineering

- Drewry, William A. (Prof.-Chairman)  
- water and wastewater treatment
- Kuo, Chin Y. (Prof.)  
- coastal hydraulics
- Pagoria, Philip S. (Prof.)  
- water quality modeling
- Umari, Amjad (Prof.)  
- water resources management

## Institute of Oceanography

- Ludwick, John C. (Prof. and Director)  
- mechanics of sediment transport,  
coastal processes
- Blair, Carvel H. (Asst. Prof.)  
- coastal engineering
- Fleischer, Peter (Asst. Prof.)  
- mineralogy of fine-grained marine  
sediments, stratigraphy of the  
continental slope
- Grosch, Chester E. (Prof.)  
- theory of fluid turbulence,  
statistical wave theories, numerical  
models
- Johnson, Ronald E. (Asst. Prof.)  
- generation and distribution of  
water masses, oceanic circulation
- Ofelt, George S. (Assoc. Prof.)  
- underwater sound, optical oceanography,  
thermal processes in the  
ocean
- Oglesby, Donald McC. (Assoc. Prof.)  
- marine chemistry
- Provenzano, Anthony J. (Prof.)  
- larval ecology, reproduction of  
invertebrates
- White, Harris H. (Asst. Prof.)  
- plankton ecology and physiology
- Wong, George T. F. (Asst. Prof.)  
- trace elements, radionuclides

Adjunct appointments to the Institute are held by:

- Shideler, Gerald L. (Adjunct Assoc. Prof. - U. S. Geological  
Survey)  
- marine geology, sedimentary petrology
- Swift, Donald J. P. (Adjunct Assoc. Prof. - National Oceanographic  
and Atmospheric Administration)  
- geological oceanography, shelf morphology,  
history and sediment transport

Department of Physics and Geophysical Sciences

Darby, Dennis A. (Asst. Prof.)

- sedimentology

Koch, Carl (Asst. Prof.)

- paleontology

Rule, Joseph H. (Asst. Prof.)

- soils and geochemistry

Spencer, Randall S. (Assoc. Prof.)

- marine ecology, foraminifera  
ecology, micropaleontology

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Marine Science Department

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- fish gill parasites

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Richmond, Virginia 23173

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Department of Biology

Bishop, J. Watson (Prof.)

(804) 285-6275

- phytoplankton

2.19 Roanoke College  
Salem, Virginia 24153

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Department of Biology

Thompson, Jesse C., Jr. (Prof.)

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- ciliated protozoa

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Chesapeake Bay Center for Environmental Studies  
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2.21 Towson State College  
Baltimore, Maryland 21024

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Department of Chemistry  
(301) 321-3058

Caret, R. (Prof.)

- organic chemistry, polycyclic  
aromatics in sediments of Bay

Topping, J. (Prof.)

- analytical chemistry, polycyclic  
aromatics in sediments of Bay

2.22 United States Naval Academy  
Annapolis, Maryland 21402

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Department of Environmental Sciences  
(301) 267-3561

Hoffman, J. F. (Prof.)

- metals in Bay sediments, pollution  
of the water column over dredge  
disposal areas

Williams, Jerome (Prof.)

- development of instrumentation

Department of Naval Systems Engineering  
(301) 267-3872

Bhattacharyya, R. (Prof.)  
- wave resistance of watercraft

McCormick, M. E. (Prof.)  
- wave energy conversion

2.23 University of Virginia  
Charlottesville, Virginia 22903

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Department of Environmental Sciences  
(804) 924-7761

Goodell, H. Grant (Prof.-Chairman)  
- remote sensing work

Dolan, Robert (Prof.)  
- beach processes and coastal  
geomorphology

Dueser, Raymond (Prof.)  
- small mammal ecology of marshes

Ellison, Robert (Prof.)  
- marsh and estuarine ecology

Fisher, John (Prof.)  
- beach processes and estuarine  
circulation

Garstang, Michael (Prof.)  
- coastal zone wind energy

Hayden, Bruce (Prof.)  
- coastal climatology

Odum, William (Prof.)  
- marsh and estuarine ecology  
and coastal zone land use  
planning

Pielke, Roger (Prof.)  
- coastal zone wind energy

Reed, Wallace (Prof.)  
- land use planning

Zieman, Joseph (Prof.)  
- seagrass ecology

2.24 Virginia Institute of Marine Science  
Gloucester Point, Virginia 23062

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Office of the Director

Hargis, William J., Jr. (Director)

- biological oceanography,  
resource management, science  
administration, parasitology
- Trustee, Chesapeake Research  
Consortium

(Dr. Hargis is also Dean, School of Marine Science of the  
College of William and Mary and Chairman, Department of  
Marine Science of the University of Virginia)

Pleasants, John B.

- coastal zone management, research  
administration, information manage-  
ment

Theberge, N. Bartlett, Jr.

- coastal and marine law

Marine Environment and Resources Research and Management  
Systems (MERRMS)

Jones, Claiborne (Head)

- management information

Division of Biological Oceanography

Perkins, Frank O. (Asst. Director and Division Head)

- management of marine and estuarine  
resources, coastal zone management,  
cell biology of marine protists

Department of Invertebrate Ecology

Wass, Marvin L. (Head)

- benthic ecology, wetland ecology  
and marine biogeography

Boesch, Donald F.

- marine ecology (particularly benthic  
ecology), pollution ecology,  
community ecology

Orth, Robert

- submerged aquatic vegetation

Roberts, Morris H.

- physiological ecology of marine and freshwater decapod crustaceans, pollution effects on vertebrates and invertebrates in all life states

Serafy, D. Keith

- marine benthic ecology and systematics of echinoderms

#### Department of Marine Culture

DuPuy, John L.

- marine ecology and invertebrate culture

#### Department of Microbiology - Pathology

Kator, Howard I. (Head)

- microbiology of hydrocarbon degradation, microbiology of estuaries and marshlands

Ruddell, Craig L.

- histopathology, histochemistry, cell biology of marine metazoa

#### Department of Planktology

Grant, George C. (Head)

- taxonomy and ecology of marine zooplankton (specializing in Chaetognatha), application of computer techniques to problems in taxonomy

#### Division of Environmental Science and Engineering

Bender, Michael E. (Asst. Director and Division Head)

- eutrophication, algal ecology, water quality criteria for aquatic life
- Trustee, Chesapeake Bay Consortium

#### Department of Ecology - Pollution

Huggett, Robert J. (Head)

- heavy metals, pesticides, oil pollution, water quality criteria

Webb, Kenneth L. (Head - Environmental Biology Section)

- plant physiology and ecology

- Haas, Leonard W.  
- ecology and phytoplankton dynamics
- Jordan, Robert A.  
- eutrophication, algal ecology,  
thermal pollution
- Bieri, Rudolf H. (Head - Environmental Chemistry Section)  
- oceanography, environmental sciences
- Cueman, Michael K.  
- environmental chemistry
- Harris, Richard  
- trace metals in the environment,  
water quality
- Stamoudis, Vassilios  
- hydrocarbon analysis of oil spills,  
toxic organic substances

Department of Environmental Physiology

- Zubkoff, Paul L. (Head)  
- biochemistry, environmental  
physiology
- Warinner, J. E.  
- radiobiology, environmental  
physiology

Department of Wetlands Research and Environmental Impact Assessment

- Silberhorn, Gene M. (Head)  
- wetlands ecology, evaluation of  
land use development with respect  
to natural vegetation
- Banard, Thomas  
- coastal resources management
- Dawes, George M.  
- coastal resources management
- Wetzel, Richard L.  
- ecosystem modeling, wetlands,  
energetics

Division of Fisheries Science and Services

- Austin, Herbert M. (Asst. Director and Division Head)  
- fisheries oceanography, year class  
strength prediction

Department of Applied Biology

Haven, Dexter S. (Head)

- physiology of mollusks, natural sediments of oyster bars

Department of Crustaceology

Van Engel, Willard A. (Head)

- biology of crustacea, biometry, life history, ecology and population dynamics of brackish water and marine crustaceans

Department of Ichthyology

Merriner, John V. (Head)

- ecology of estuarine fishes, culture and rearing of estuarine fishes

Loesch, Joseph G.

- marine and anadromous fisheries

Musick, John A.

- systematics, behavior and ecology of cold-blooded vertebrates, community ecology of demersal marine fishes

Department of Malacology

Andrews, Jay D. (Head)

- malacology, oyster genetics

Division of Physical Science and Coastal Engineering

Zeigler, John M. (Asst. Director and Division Head)

- erosion, tropical continental shelf studies, nearshore circulation
- Trustee, Chesapeake Research Consortium

Department of Estuarine Processes and Chemical Oceanography

Neilson, Bruce J. (Head)

- dispersion, reaeration and stratification in estuaries

Ho, Gaines C. S.

- water quality management of estuaries, mathematical modeling of biological treatment processes

- MacIntyre, William G.  
- chemical oceanography, data processing
- Smith, Craig L.  
- marine chemistry, organic geochemistry,  
chemistry of oil pollution
- Su, Chih Wu  
- hydrocarbon chemistry

#### Department of Geological Oceanography

- Byrne, Robert J. (Head)  
- beach erosion studies, sediment  
processes, barrier islands
- Boon, John D. III  
- littoral processes, hydrodynamics  
of coastal inlets, tides and currents
- Goldsmith, Victor  
- coastal processes, beach and wave  
dynamics, eolian processes
- Munday, John C., Jr.  
- remote sensing of environmental  
water quality, coastal circulation
- Nichols, Maynard M.  
- oceanography, marine geology,  
sedimentation
- Ware, Donna M. E.  
- wetland plants, botany

#### Department of Physical Oceanography and Hydraulics

- Fang, Ching Seng (Head)  
- estuarine and coastal hydromechanics
- Chen, Hsuan Shan  
- water wave mechanics, harbor resonance  
in offshore or coastal harbor
- Hyer, Paul V.  
- geophysical fluid dynamics, estuarine  
and continental shelf oceanography
- Kuo, Albert Y.  
- estuarine hydrodynamics, turbulence

Ruzecki, Evon P.

- meteorology, relationships between physics and biology of ocean systems

Welch, Christopher S.

- dynamical oceanography and measurements with drogued buoys

#### Division of Special Programs and Scientific Services

Lynch, Maurice P. (Asst. Director and Division Head  
Head, Office of Special Programs,  
Sea Grant Director)

- management of marine and estuarine resources, coastal zone management, physiology of estuarine organisms

#### Department of Advisory Services

DuPaul, William (Head)

- commercial fishing, environmental physiology, marine advisory

Lucy, Jon

- marine biology, commercial and sport bivalve fisheries, marine recreation

Rooney-Char, Anne

- coastal resources management

Schmeid, Ron L.

- coastal resources management

#### BLM-OCS Program

Burreson, Eugene M. (Program Manager)

- marine biology, marine fish parasites and diseases, taxonomy and ecology of marine hirudinea

#### Data Processing Services

Engel, Gerald (Head)

- computer science

Degges, Francis

- assistance programming

Roller, William

- statistics

Shaw, Ginny

- data base management

Sea Grant Program

Wardle, William J. (Asst. Sea Grant Director  
Research)

- marine biology, shellfish parasites, helminth life cycles

Wachapreague Laboratory

Castagna, Michael (Scientist-in-Charge)

- larval behavior, natural history of mollusks, mariculture

Kraeuter, John N.

- invertebrate ecology, systematics of scaphopod mollusks

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Department of Agricultural Economics  
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Batie, Sandra (Prof.)

- economic impact of coastal zone land use, wetlands evaluation

Coale, Charles (Prof.)

- seafood marketing, firm management, Citizens Program for Chesapeake Bay

Long, Burl (Prof.)

- land use policy, economic analysis as it relates to water quality

Marshall, Paxton (Prof.)

- land use policy

Shabman, Leonard (Prof.)

- flood control, land use policy, economic analysis of water quality

Department of Agricultural Engineering  
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Shanholtz, Vernon O. (Prof.)

- watershed modeling, hydrology

Smolen, Michael (Prof.)  
- water quality of freshwater  
tributaries

Wright, Malcomb (Prof.)  
- water use in the vegetable  
processing industry

Department of Agronomy  
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Martens, David C. (Prof.)  
- wastes from livestock lagoons

Powell, Norris L. (Prof.)  
- remote sensing, water movement

Reneau, R. B., Jr. (Prof.)  
- movement of bacteria and nutrients  
from septic systems

Department of Biology and Center for Environmental Studies  
(703) 951-5538

Cairns, John, Jr. (Distinguished Prof. - Director)  
- water quality studies, hazard  
evaluation, regional studies,  
aquatic community structure  
analyses

Dickson, Kenneth L. (Assoc. Prof. - Asst. Director)  
- water quality studies of  
inland tributaries

Linzey, Donald W. (Instructor - Administrator)  
- endangered species

Benfield, Ernest F. (Assoc. Prof.)  
- aquatic ecology, pollution  
effects, inland tributaries

Buikema, Arthur L., Jr. (Assoc. Prof.)  
- aquatic ecology, pollution  
effects, inland tributaries

Hendricks, Albert C. (Assoc. Prof.)  
- aquatic ecology, pollution  
effects, inland tributaries

Simmons, George M., Jr. (Assoc. Prof.)  
- aquatic ecology, pollution  
effects, inland tributaries

Yongue, William H., Jr. (Assoc. Prof.)  
- aquatic ecology, pollution effects, inland tributaries

Department of Civil Engineering  
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Contractor, Dinshaw (Prof.)  
- mathematical modeling, flood control

Randall, Clifford (Prof.)  
- water quality analysis

Division of Environmental and Urban Systems  
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Day, Gary E. (Prof.)  
- land use policy and non-point discharges

Dickenson, Richard B. (Prof.)  
- Sea Grant Program

Hackett, James E. (Prof.)  
- environmental management, environmental applications of geology, environmental planning

Hanna, Dixon B. (Prof.)  
- land use policy

School of Forestry and Wildlife Resources  
(703) 951-5481

Cross, Gerald H. (Prof. - Chairman)  
- fisheries and wildlife resources

Giles, Robert H. (Prof.)  
- land use planning, watershed models

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Cox, William (Asst. Prof.)  
- legal and institutional aspects of resource management

Kerns, Waldon R. (Assoc. Prof. - Resource Economist)  
- water and related land  
resource management and  
institutional organization

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Department of Biology

Woodson, B. R., Jr. (Prof.)

- algal systematics and  
productivity

2.27 Western Maryland College  
Westminster, Maryland 21157

(301) 848-7000

Department of Biology

Alspach, Samuel (Prof.)

- marine biology, anaerobic  
respiration in oysters and  
clams, assessment of clam  
populations in Narragansett  
Bay Rhode Island

Department of Chemistry

Smith, Richard (Prof.)

- water quality, chemical analysis,  
nutrient export with regard to  
land use, pesticide degradation  
in the soil

2.28 College of William and Mary  
Williamsburg, Virginia 23185

(804) 253-4000

Department of Biology and School of Marine Science (The faculty  
of the Virginia Institute of Marine Science hold joint appointments  
to the School of Marine Science.)

- Black, Robert E. L. (Prof.)  
- embryology of invertebrates
- Byrd, Mitchell A. (Prof.)  
- osprey population in Chesapeake Bay
- Mangum, C. P. (Prof.)  
- invertebrate biology under stress conditions

### 3.0 FEDERAL AGENCIES

3.1 Department of Commerce  
National Oceanic and Atmospheric Administration  
Main Commerce Building  
Washington, D.C. 20230

Richard A. Frank, Administrator  
(202) 377-3567  
James P. Walsh, Deputy Administrator  
(202) 377-3436

6010 Executive Boulevard (main mailing address)  
Rockville, Maryland 20852

George Benton, Acting Associate Administrator  
(301) 443-8202  
Stanley B. Eames, Director, Public Affairs  
(301) 443-8243

Coastal Zone Management  
2001 Wisconsin Avenue, N.W.  
Washington, D.C. 20235

Robert W. Knecht, Acting Assistant Administrator  
(202) 634-4232

Fisheries  
3300 Whitehaven Street, N.W.  
Washington, D.C. 20235

Terry L. Leitzell, Acting Assistant Administrator  
(202) 634-7283  
Robert W. Schoning, Acting Deputy Assistant Administrator  
(202) 634-7283  
Gerald D. Hill, Public Affairs Officer  
(202) 634-7281

National Marine Fisheries Service  
Beaufort Laboratory  
Beaufort, North Carolina 28516

Dr. T. R. Rice, Director  
(919) 728-4595

National Marine Fisheries Service  
Oxford Laboratory  
Oxford, Maryland 21654

Dr. Aaron Rosenfield, Director  
(301) 226-5193

Oceanic and Atmospheric Services  
6010 Executive Boulevard  
Rockville, Maryland 20852

Richard E. Hallgren, Acting Assistant Administrator  
(301) 443-8574

Environmental Data Service  
National Oceanographic Data Center  
2001 Wisconsin Avenue, N.W.  
Washington, D.C. 20235

Robert V. Ochinero, Director NODC  
(202) 634-7232

Data Services Division  
Oceanographic Services Branch  
2001 Wisconsin Avenue, N.W.  
Washington, D.C. 20235

Albert Bargeski, Branch Chief  
(202) 634-7500

Special Projects Division  
Data Index Branch  
2001 Wisconsin Avenue, N.W.  
Washington, D.C. 20235

Christopher Noe, Branch Chief  
(202) 634-7298

National Ocean Survey  
6001 Executive Boulevard  
Rockville, Maryland 20852

Rear Admiral Allen L. Powell, Director  
(301) 443-8204  
John G. Stringer, Public Affairs Officer  
(301) 443-8708

National Weather Service  
Eastern Region (16 States; Maine to South Carolina to Ohio)  
585 Stewart Avenue  
Garden City, New York 11530

Dr. William D. Bonner, Director  
(516) 222-2100

3.2 Department of Defense  
The Pentagon  
Room 3E880  
Washington, D.C. 20310

Hon. Harold B. Brown, Secretary of Defense  
(202) 695-5261  
Information  
(202) 545-6700

Department of the Army  
The Pentagon  
Washington, D.C. 20310

Hon. Clifford Alexander, Jr., Secretary of the Army  
(202) 695-3211

United States Army Engineer Division (N.Y., Philadelphia,  
Baltimore, Norfolk Engineer Districts)  
North Atlantic  
Corps of Engineers  
90 Church Street  
New York, New York 10007

Frank R. Pagano, Division Chief  
(212) 264-7138

United States Army Engineer District  
Baltimore  
Corps of Engineers  
Box 1715  
Baltimore, Maryland 21203

Colonel G. K. Withers, Jr., District Engineer  
(301) 962-4545  
David Mitchell, Public Affairs Officer  
(301) 962-4616

United States Army Engineer District  
Philadelphia  
Corps of Engineers  
U.S. Custom House  
Second and Chestnut Streets  
Philadelphia, Pennsylvania 19106

Colonel Harry V. Dutchyshyn, District Engineer  
(215) 597-4848

United States Army Engineer District  
Norfolk  
Corps of Engineers  
803 Front Street  
Norfolk, Virginia 23510

Colonel Newman A. Howard, Jr., District Engineer  
(804) 446-3601

Department of the Navy  
The Pentagon  
Washington, D. C. 20350

Hon. W. Graham Claytor, Jr., Secretary of the Navy  
(202) 695-3131

Naval Oceanographic Office  
Washington, D. C. 20373

(As of August 1978, this office will be relocated to:  
NSTL  
Bay St. Louis, Mississippi 39522

Captain John R. McDonnel, Commander  
(202) 763-1140

Office of Naval Research  
800 N. Quincy Street  
Arlington, Virginia 22217

Rear Admiral Robert K. Geiger, Chief of Naval Research  
(Also Asst. Oceanographer of the Navy)  
(202) 692-4258

Executive Assistant  
(202) 692-4622  
Deputy Chief of Naval Research  
(202) 692-4259

Naval Surface Weapons Center (Is now part of the White Oak  
Dahlgren Laboratory center. Send any information  
Dahlgren, Virginia 22448 to the White Oak address)

Captain J. G. Flannery, Captain of the Base  
(703) 663-8103

Naval Surface Weapons Center  
White Oak Laboratory  
Silver Spring, Maryland 20910

Captain Paul L. Anderson, Commander NSWC  
(White Oak Lab and Dahlgren Lab)  
(301) 394-1253

3.3 Department of Energy  
Washington, D. C. 20545

Hon. John Schlesinger, Secretary of Energy  
(202) 456-6210

Office of Energy Research  
Washington, D. C. 20545

John M. Deutch, Director  
(202) 456-6764  
(202) 376-4024

3.4 Environmental Protection Agency  
Region III  
Curtis Building  
6th & Walnut Streets  
Philadelphia, Pennsylvania 19106

Jack J. Schramm, III, Administrator  
(215) 597-9814

Leonard Mangiaracina, Director  
Chesapeake Bay Program  
(215) 597-7943

Annapolis Field Office  
Region III, EPA  
Annapolis Science Center  
Annapolis, Maryland 21401

Orterio Villa, Director  
(301) 224-2740

3.5 Federal Coordinating Council for Science, Engineering and  
Technology (FCCSET)  
Office of Science and Technology Policy  
Executive Office of the President  
17th and Pennsylvania Avenue, N.W.  
Washington, D. C. 20500

William Perin Raney, Executive Secretary  
(202) 395-5636

Committee on Atmosphere and Oceans  
(CAO)

Edward Todd, Acting Chairman, NSF  
(202) 632-4024

Nelson Charak, Executive Secretary  
Room 727, Building 5  
EM5  
6010 Executive Boulevard  
Rockville, Maryland 20852  
(301) 443-8108

3.6 Department of Health, Education and Welfare  
200 Independence Avenue, S.W.  
Washington, D. C. 20201

Hon. Joseph A. Califano, Jr., Secretary  
(202) 245-6306

Public Health Service  
Food and Drug Administration  
5600 Fishers Lane  
Rockville, Maryland 20857

Dr. Donald Kennedy, Commissioner  
(301) 443-3380

Regional Food and Drug Administration Office  
U. S. Customs House  
Room 1204  
2nd & Chestnut Streets  
Philadelphia, Pennsylvania 19106

Richard J. Davis, Director  
(215) 597-4390

Regional Specialist for Shellfish Sanitation  
Food and Drug Administration  
900 Madison Avenue  
Baltimore, Maryland 21201

Robert Brands, Regional Specialist  
(301) 962-4051

3.7 Department of the Interior  
19th & C Streets, N.W.  
Washington, D. C. 20240

Hon. Cecil D. Andrus, Secretary of the Interior  
(202) 343-1100

Boston Regional Office  
United States Fish and Wildlife Service  
1 Gateway Center  
Newton, Massachusetts 02158

Howard N. Larsen, Regional Director  
(617) 965-5100

Patuxent Wildlife Research Center  
Laurel-Bowie Road 197  
Laurel, Maryland 20811

Lucille Stickel, Director  
(301) 776-4880

U.S. Fish and Wildlife Service  
Division of Ecological Services  
1825-B Virginia Street  
Annapolis, Maryland 21401

Glenn Kinser, Supervisor  
(301) 269-5448

United States Geological Survey  
National Center  
12201 Sunrise Valley Drive  
Reston, Virginia 22092

Henry William Menard, Director  
(703) 860-7411

Office of Water Research and Technology  
Department of the Interior  
Main Interior Building, Room 4412  
18th and C Streets, N.W.  
Washington, D.C. 20240

Gary D. Cobb, Director  
(202) 343-4607

- 3.8 National Aeronautics and Space Administration  
400 Maryland Avenue, S.W.  
Washington, D.C. 20546

Dr. Robert A. Frosch, Administrator  
(202) 755-3918

Chesapeake Bay Ecological Projects Office  
Building E-105  
Wallops Island Flight Center  
Wallops Island, Virginia 23337

Paul Alfonsi, Head  
(804) 824-3411, X260

- 3.9 National Science Foundation  
1800 G Street, N.W.  
Washington, D. C. 20550

Dr. Richard C. Atkinson, Director  
(202) 632-5728

- 3.10 Department of Transportation  
400 Seventh Street, S.W.  
Washington, D. C. 20590

Hon. Brock Adams, Secretary  
(202) 426-1111  
Locator Office  
(202) 426-4000

United States Coast Guard  
Department of Transportation  
400 7th Street, S.W.  
Washington, D. C. 20590

Admiral Owen W. Siler, Commandant  
(202) 426-2390

Atlantic Area Office  
U. S. Coast Guard  
Governor's Island  
New York, New York 10004

Vice Admiral W. F. Rea, III, Commander  
(212) 264-8743

2d Coast Guard District (West Virginia)  
1430 Olive Street  
St. Louis, Missouri 63103

Rear Admiral Wayne E. Caldwell, Commander  
(314) 425-4601

3d Coast Guard District (Eastern Pennsylvania, Delaware)  
Governor's Island  
New York, New York 10004

Vice Admiral W. F. Rea, III, Commander  
(212) 264-8743

5th Coast Guard District (Maryland, Virginia, D.C.)  
Federal Building  
431 Crawford Street  
Portsmouth, Virginia 23705

Rear Admiral J. E. Johansen, Commander  
(804) 393-9611

#### 4.0 STATE, REGIONAL AND LOCAL GOVERNMENTAL AGENCIES

##### 4.1 Delaware

Department of Natural Resources and Environmental Control  
Edward Tatnall Building  
Legislative Avenue and D Street  
Dover, Delaware 19901

Austin P. Olney - Secretary  
(302) 678-4403

Environmental Control Division  
Edward A. Sienicki - Director  
Robert Touhey - Acting Manager, Water Resources Section  
(302) 678-4761

Fish and Wildlife Division  
William Wagner - Director  
Robert Graham - Assistant Director  
Charles Lesser - Manager of Fisheries  
(302) 678-4431

Parks, Recreation and Forestry Division  
John Wilson - Director  
Bill Hopkins - Manager of Technical Services  
(302) 678-4401

Soil and Water Conservation Division  
William R. Ratledge - Director  
(302) 678-4411

Division of Public Health  
Bureau of Environmental Health  
Cooper Building  
Dover, Delaware 19901

Donald Harmeson - Bureau Chief  
(302) 678-4731

## 4.2 District of Columbia

Department of Environmental Services  
Bureau of Air and Water Pollution Control  
5010 Overlook Avenue, S.W.  
Washington, D.C. 20032

John V. Brink, Chief  
(202) 767-7486

Department of Environmental Services  
Office of Environmental Planning  
415 12th Street, N.W.  
Room 308  
Washington, D.C. 20004

Malcolm Hope, Chief  
(202) 629-3105

Department of Environmental Services  
Water Resources Management Administration  
415 12th Street, N.W.  
Room 307  
Washington, D.C. 20004

Jean Levesque, Chief  
(202) 629-4496

Metropolitan Washington Council of Governments  
1225 Connecticut Avenue  
Washington, D.C. 20036

Frank Lamb, Director of Water Resources  
(202) 223-6800

## 4.3 Maryland

### State Agencies

Maryland Department of Agriculture  
State Chemist Section  
Chemistry Building Room 0223  
University of Maryland  
College Park, Maryland 20742

David Clark - State Chemist  
(301) 454-2721

Maryland Department of Health and Mental Hygiene  
Environmental Health Administration  
201 West Preston Street - P.O. Box 13387  
Baltimore, Maryland 21201

Donald Noren - Director  
(301) 383-2740

Bureau of Sanitary Engineering  
James D. Clise - Director

Maryland Department of Natural Resources  
Tawes Building  
580 Taylor Avenue  
Annapolis, Maryland 21401

James B. Coulter, Secretary  
(301) 269-3041

Energy and Coastal Zone Administration  
L.E. Zeni - Administrator  
(301) 269-2788

Suzanne Bayley, Director, Coastal Zone Unit  
(301) 269-3382

Donald E. Milsten, Director, Energy Policy Office  
(301) 383-6810

Paul O. Massicot, Director, Power Plant Siting Program  
Randy Roig, Impact Assessment Administrator  
(301) 269-2261

Fisheries Administration  
Robert Rubelmann - Director  
(301) 269-3558

Benjamin M. Florence, Chief, Tidewater Finfish Program  
(301) 269-3361

Forest Service  
Donald MacLauchlan - Director  
(301) 269-3776

Park Service  
William Parr - Director  
(301) 269-3761

Water Resources Administration  
Herbert Sachs - Administrator  
(301) 269-3846

Paul Slunt - Chief, Water Quality Services  
(301) 269-3677

Wildlife Administration  
Bernard Halla - Administrator  
(301) 269-3195

Maryland Environmental Service  
60 West Street  
Annapolis, Maryland 21401

Thomas D. McKewen - Director  
(301) 269-3351

Maryland Environmental Trust  
501 St. Paul Place  
Suite 1401  
Baltimore, Maryland 21202

David P. Miller - Director  
(301) 383-4264

Maryland Geological Survey  
Merryman Hall  
The Johns Hopkins University  
Baltimore, Maryland 21218

Kenneth N. Weaver - Director  
(301) 235-0771

Maryland Port Administration  
World Trade Center Baltimore  
Baltimore, Maryland 21202

W. Gregory Halpin - Acting Administrator  
(301) 383-5731

Maryland Department of State Planning  
Regional and Local Planning Program  
State Office Building  
301 West Preston Street  
Baltimore, Maryland 21201

Richard Gucker - Director  
(301) 383-2460

#### Regional Agencies

Regional Planning Council  
701 St. Paul Street  
Baltimore, Maryland 21202

Alfred Gwynn - Director of Resource Management  
(301) 383-5827

Southern Maryland Health Systems Agency  
P. O. Box 85  
9016 Clinton Street  
Clinton, Maryland 20735

Benjamin Patch - Executive Director  
(301) 868-6206

Tri-County Council for Southern Maryland  
P. O. Box 301  
Waldorf, Maryland 20601

Gerald McKinney - Executive Director  
(301) 645-2693

## Local Agencies

Allegany County Planning and Zoning Commission  
P.O. Box 1433  
Room 256  
Allegany Health Center  
Willow Brook Road  
Cumberland, Maryland 21502

Ben Samson - Planning Director  
(301) 777-5951

Anne Arundel County Office of Planning and Zoning  
Arundel Center  
P.O. Box 1831  
Annapolis, Maryland 21404

Florence Kurdle - Director  
(301) 224-1469

Baltimore City Department of Planning  
Room 800  
222 East Saratoga Street  
Baltimore, Maryland 21202

Larry Reich - Director  
(301) 396-4327

Baltimore County Office of Planning and Zoning  
401 Bosley Avenue  
New Court Building  
Room 406  
Towson, Maryland 21204

Leslie H. Graes - Director  
(301) 494-3211

Calvert County Planning and Zoning Commission  
County Court House  
Prince Frederick, Maryland 20678

Frank Jaklitsch - Director  
(301) 535-1600 Ext. 38

Caroline County Office of Planning and Zoning  
Caroline County Court House  
Box 107  
Denton, Maryland 21629

Alan Visintainer - Director/County Planner  
(301) 479-1418

Carroll County Office of Planning and Zoning  
County Office Building  
225 North Center Street  
Westminster, Maryland 21157

Edmund R. Cueman - Director  
(301) 848-4500 Ext. 270

Cecil County Planning Commission  
Office of Planning and Economic Development  
Room 302  
Cecil County Court House  
Elkton, Maryland 21921

Allan S. Davis - Director  
Michael Pugh - Assistant Director  
(301) 398-0430

Charles County Planning Commission  
Charles County Court House  
P.O. Box B  
La Plata, Maryland 20646

James E. Redmond - Director  
(301) 934-8141 Ext. 233

Dorchester County Planning and Zoning Commission  
P.O. Box 307  
Cambridge, Maryland 21613

Hobert Adams - Director  
(301) 228-3234

Frederick County Planning Commission  
Winchester Hall  
Frederick, Maryland 21701

Lawrence W. Johnson - Director  
(301) 663-8300 Ext. 250

Garrett County Planning Commission  
323 East Oak Street  
Oakland, Maryland 21550

Tim Dugan - Director  
(301) 334-4200

Harford County Planning Department  
45 South Main Street  
Bel Air, Maryland 21014

John Preston - Director, Coastal Zone Management  
(301) 838-6000

Howard County Comprehensive Planning Section  
Office of Planning and Zoning  
3430 Court House Drive  
Ellicott City, Maryland 21043

Thomas G. Harris, Jr. - Planning Director  
Amar S. Dandel - Chief  
(301) 992-2357

Kent County Planning Commission  
Court House  
Chestertown, Maryland 21620

Peter Johnston - Director  
(301) 778-4600 Ext. 67

Montgomery County Planning Board  
8787 Georgia Avenue  
Silver Spring, Maryland 20907

Richard E. Tustian - Director  
(301) 279-1000

Prince Georges County Planning Board  
14741 Governor Oden Bowie Drive  
Upper Marlboro, Maryland 20870

John F. Downs - Director  
(301) 952-3594

Queen Anne's County Planning Commission  
Court House  
Centreville, Maryland 21617

Robin Wood - Planning and Zoning Administrator  
(301) 758-1255

St. Mary's County Planning and Zoning Commission  
P.O. Box 351  
Leonardtown, Maryland 20650

Joseph M. Gough, Jr. - Director of Planning and Zoning  
Frank J. Gerred - Director of Land Use and Development  
(301) 475-5621 Ext. 51/52

Salisbury/Wicomico County  
Planning and Zoning Commission  
P.O. Box 791  
Salisbury, Maryland 21801

Merrill J. Burhans - Director  
(301) 742-3072

Somerset County Planning and Zoning Commission  
24 East Prince William Street  
Princess Anne, Maryland 21850

Richard M. Pollitt, Jr. - Director  
(301) 651-1424

Talbot County Planning and Zoning Commission  
County Building  
Easton, Maryland 21601

Robert W. Reindollar - County Planner/Engineer  
(301) 822-2030

Washington County Planning and Zoning Commission  
33 West Washington Street  
County Office Building - 3rd Floor  
Hagerstown, Maryland 21740

Jack S. Haweaker - Executive Director  
(301) 791-3066

Worcester County Planning and Zoning Commission  
111 North Washington Street  
Snow Hill, Maryland 21863

Harold W. Morris - Director  
(301) 632-1200

#### 4.4 Pennsylvania

##### State Agencies

Department of Agriculture  
Bureau of Plant Industry  
2301 North Cameron Street  
Harrisburg, Pennsylvania 17120

Henry Nixon, Director  
(717) 787-4392

Department of Commerce  
Bureau of Appalachian Development  
Room 402, South Office Building  
Harrisburg, Pennsylvania 17120

Susan Hoak Gahres, Director  
James H. Grim, Assistant Director  
(717) 787-7120

Department of Environmental Resources  
Fish Commission  
P. O. Box 1673  
Harrisburg, Pennsylvania 17120

Ralph W. Abele, Executive Director  
(717) 787-6593  
Information  
(717) 787-2579

Department of Environmental Resources  
Division of Water Quality  
P. O. Box 2063  
Harrisburg, Pennsylvania 17120

Theodore P. Clista, Susquehanna River Basin Engineer  
(717) 787-9637

Department of Environmental Resources  
Bureau of Water Quality Management  
(717) 787-2666

## Regional Agencies

Capitol Region Planning and Development Agency  
Suite 124, Host Inn  
4751 Lindle Road  
Harrisburg, Pennsylvania 17111

George McKelvy, Administrator  
(717) 939-7827

Economic Development Council of Northeastern Pennsylvania  
P. O. Box 777  
Avoca, Pennsylvania 18641

Howard J. Grossman, Executive Director  
(717) 655-5581

(These agencies operate within the counties in the Harrisburg and Scranton/Wilkes -Barre areas, respectively. In addition, all counties on the Susquehanna and its major tributaries have prepared wastewater treatment and land use plans. Contacts for the various counties are available through Mr. Clista's agency (above).)

## 4.5 Virginia

### State Agencies

Department of Agriculture and Commerce  
Planning and Development  
P. O. Box 1163  
Richmond, Virginia 23209

Dr. Berkwood Farmer, Director  
(804) 786-3978

Department of Commerce and Resources  
P. O. Box 1475  
Richmond, Virginia 23212

Maurice Rowe, Secretary  
(804) 786-7831

Department of Commerce and Resources  
Coastal Zone Management Program  
5th Floor  
Ninth Street Office Building  
Richmond, Virginia 23219

Donald Budlong, Project Manager  
(804) 786-7652

Department of Conservation and Economic Development  
1100 State Office Building  
Richmond, Virginia 23219

J. Stevens Griles, Executive Assistant  
(804) 786-2121  
Ben H. Bolen, Commissioner, Division of Parks  
(804) 786-2132

Division of Consolidated Laboratory Services  
1 North 14th Street  
Richmond, Virginia 23219

A. W. Tiedemann, Jr., Director  
(804) 786-7905

Cooperative Fishery Unit, U.S.D.I.  
Virginia Polytechnic Institute  
106 Cheathan Hall  
Blacksburg, Virginia 24060

Garland Pardue, Leader  
(703) 951-5507  
John Ney, Section Leader  
(703) 951-6944

Corporation Commission  
Division of Public Utilities  
P. O. Box 1197  
Richmond, Virginia 23209

Edward C. Addison, Assistant Director  
(804) 786-7560

Council on the Environment  
Ninth Street Office Building  
Richmond, Virginia 23219

Susan T. Wilburn, Acting Administrator  
(804) 786-4500

Commission of Game and Inland Fisheries  
4010 W. Broad Street  
Richmond, Virginia 23230

Chester F. Phelps, Executive Director  
James F. McInteer, Jr., Assistant Director  
(804) 786-4974

Office of the Governor  
Division of Industrial Development  
1010 State Office Building  
Richmond, Virginia 23219

J. Frank Alspaugh, Director  
(804) 786-3791

Office of the Governor  
Department of Intergovernmental Affairs  
Division of Special Programs  
205 North 4th Street  
Richmond, Virginia 23219

Lynn H. Currey, Director  
(804) 786-4474

Department of Health  
Madison Building  
109 Governor Street  
Richmond, Virginia 23219

James B. Kenley, M.D., Commissioner  
(804) 786-3561  
Dr. Leonard Vance, Assistant Attorney General  
Robert Adams, Assistant Attorney General  
(804) 786-1021

Division of Engineering

Bureau of Occupational Health  
Charles E. Herritan, Director  
(804) 786-6285

Bureau of Sanitary Engineering  
Oscar H. Adams, Director  
(804) 786-6277

Bureau of Solid Waste and Vector Control  
401-A Colley Avenue, Room 209  
Norfolk, Virginia 23507

R. E. Dorer, Director  
(804) 627-4511

Division of Local Health Service

Bureau of Environmental Health  
Eugene T. Goode, Director  
(804) 786-3559

Bureau of Shellfish Sanitation  
Room 1117  
Cloyde W. Wiley, Director  
(804) 786-7937

Bureau of Tourist Establishment Sanitation  
Joseph W. Moschler, Director  
(804) 786-2088

Marine Resources Commission  
P. O. Box 756, 2401 West Avenue  
Newport News, Virginia 23607

James E. Douglas, Jr., Commissioner  
Norman Larsen, Marine Resources Commission Environmental Planner  
(804) 245-2811

Commission on Outdoor Recreation  
8th Street Office Building  
803 East Broad Street  
Richmond, Virginia 23219

Rob R. Blackmore, Director  
(804) 786-2036

State Water Control Board  
2111 N. Hamilton Street  
P. O. Box 11143  
Richmond, Virginia 23230

Robert V. Davis, Executive Secretary  
Alfred H. Paessler, Assistant Executive Secretary  
Michael A. Bellanca, Deputy Executive Secretary  
L. C. Lawson, Director, Bureau of Applied Technology  
David S. Bailey, Director, Bureau of Enforcement  
Dale F. Jones, Director, Bureau of Water Control Management  
Raymond E. Bowles, Director, Bureau of Surveillance and Field Studies  
(804) 786-1411

State Water Control Board  
Northern Virginia Regional Office  
Suite 404  
5515 Cherokee Avenue  
Alexandria, Virginia 22312

T. M. Schwarberg, Director  
(703) 750-9111

State Water Control Board  
Piedmont Regional Office  
4010 West Broad Street  
Richmond, Virginia 23230

J. J. Cibulka, Director  
(804) 786-5401

State Water Control Board  
Tidewater Regional Office  
287 Pembroke Office Park  
Suite 310, Pembroke #2  
Virginia Beach, Virginia 23462

Larry S. McBride, Regional Director  
(804) 499-8742

Virginia Port Authority  
1600 Maritime Tower  
Norfolk, Virginia 23510

M. V. Craft, Executive Director  
F. Joseph Donvois, Assistant Director of Planning  
(804) 622-1671

Virginia Soil and Water Conservation Commission  
830 East Main Street  
Richmond, Virginia 23219

Joseph B. Willson, Jr., Director  
(804) 786-2064

#### Regional Agencies

Accomack, Northampton Planning District  
P. O. Box 316  
Accomack, Virginia 23301

Dale R. Burton, Executive Director  
(804) 787-2936

Middle Peninsula Planning District Commission  
P. O. Box 286  
Saluda, Virginia 23149

Neil Barber, Executive Director  
(804) 758-2312

Northern Neck Planning District  
Drawer H  
Callao, Virginia 22435

Herbert N. Hamric, III, Executive Director  
(804) 529-7400

Northern Virginia Planning District Commission  
7309 Arlington Boulevard  
Falls Church, Virginia 22040

John W. Epling, Executive Director  
Martha H. Semmes, Planner  
Austin Librach, Director of Regional Resources  
(703) 573-2210

Peninsula Planning District Commission  
2017 Cunningham Drive  
Hampton, Virginia 23666

Henry M. Cochran, Executive Director  
(804) 838-4238

Rappahannock Area Development Commission (RADCO)  
P. O. Box 863  
Fredericksburg, Virginia 22401

Ron Rebman, Executive Director  
(703) 373-2890

Richmond Regional Planning District Commission  
6 North Sixth Street  
Richmond, Virginia 23219

Edward G. Councill, III, Executive Director  
(804) 644-8587

Southeastern Virginia Planning District Commission  
16 Koger Executive Center  
Norfolk, Virginia 23502

Robert F. Foeller, Executive Director  
(804) 461-3200

#### Local Agencies

Accomack County, Office of the Administrator  
Accomack, Virginia 23301

C. M. Williams, Jr., County Administrator  
(804) 787-4289

Caroline County, Office of the Administrator  
P. O. Box 507  
Bowling Green, Virginia 22427

L. E. Ayers, County Administrator  
(804) 633-5380

Charles City County, Office of the Administrator  
P. O. Box 128  
Charles City, Virginia 23030

C. Dean Beler, County Administrator  
(804) 829-2402

Chesterfield County, Office of the Administrator  
Chesterfield County Court House  
Chesterfield, Virginia 23832

Nicholas M. Meiszer, County Administrator  
(804) 748-1211

Essex County, Office of the Administrator  
P. O. Box 1079  
Tappahannock, Virginia 22560

G. Winton Sisson, Jr., County Administrator  
(804) 443-4331

Fairfax County Board of Supervisors  
4100 Chain Bridge Road  
Fairfax, Virginia 22030

Robert W. Foreman, Administrative Assistant  
(703) 691-2321

Gloucester County, Office of the Administrator  
P. O. Box 329  
Gloucester, Virginia 23061

William P. Larew, County Administrator  
(804) 693-4042

Isle of Wight, Office of the Administrator  
Isle of Wight, Virginia 23397

Evelyn Ransdell, Acting County Administrator  
(804) 357-3191

James City County, Office of the Administrator  
P. O. Box JC  
Williamsburg, Virginia 23185

James B. Oliver, Jr., County Administrator  
(804) 220-1122

King and Queen County, Office of the Administrator  
King and Queen Court House, Virginia 23085

Charles W. Smith, County Administrator  
(804) 785-7955

King George County, Office of the Administrator  
Box 198  
King George, Virginia 22485

Steven T. Foster, County Administrator  
(703) 775-9181

King William County, Office of the Administrator  
King William County, Virginia 23086

Charles Waddell, County Administrator  
(804) 769-2671

Lancaster County Board of Supervisors  
Lancaster, Virginia 22503

John E. Ennis, Chairman  
(804) 462-1404

Mathews County, Office of the Administrator  
Box 868  
Mathews, Virginia 23109

William H. Whitley, County Administrator  
(804) 725-7171

Middlesex County, Office of the Administrator  
Circuit Court  
Saluda, Virginia 23149

James C. Southland, County Administrator  
Leona Brownley, Clerk  
(804) 758-5311

New Kent County, Office of the Administrator  
P.O. Box 50  
New Kent, Virginia 23124

Royal E. Wood, Acting County Administrator  
(804) 966-2764

Northampton County, Office of the Administrator  
P.O. Box 66  
Eastville, Virginia 23347

R. Keith Bull, County Administrator  
(804) 678-5148, 5149

Northumberland County, Office of the Administrator  
Heathsville, Virginia 22473

John E. Burton, County Administrator  
(804) 580-7666

Prince George County, Office of the Administrator  
P.O. Box 68  
Prince George, Virginia 23875

R. L. Hedrick, County Administrator  
(804) 732-8818

Prince William County Health Department  
9301 Lee Avenue  
Manassas, Virginia 22110

Richard B. Cantrell, Environmental Health Superintendent  
(703) 368-9171 Ext. 301

Richmond County, Office of the Administrator  
Warsaw, Virginia 22572

William Pruitt, County Administrator  
(804) 333-8681

Stafford County, Office of the Administrator  
P. O. Box 348  
Stafford, Virginia 22554

N. C. Sharp, County Administrator  
(703) 659-4101

Surry County, Office of the Administrator  
P. O. Box 65  
Surry, Virginia 23883

Carrie G. Gilchrist, Acting County Administrator  
(804) 294-3266

Westmoreland County, Office of the Administrator  
P. O. Box 467  
Montross, Virginia 22520

James J. Heston, County Administrator  
(804) 493-8911, Ext. 212

York County, Office of the Administrator  
P. O. Box 532  
Yorktown, Virginia 23690

Richard E. Bain, County Administrator  
(804) 887-5811

#### 4.6 West Virginia

Governor's Office on Economic and Community Development  
State Capitol Building  
Charleston, West Virginia 25305

Thomas H. Pendleton  
(304) 348-2246

Department of Natural Resources  
Water Resources Division  
1201 Greenbrier Street  
Charleston, West Virginia 25311

John H. Hall, Chief  
(304) 348-2107

Region VIII Planning and Development Council  
(Potomac River Basin)  
1 Virginia Avenue  
Petersburg, West Virginia 26847

Lawrence Spears  
(304) 257-1221

Region IX Planning and Development Council  
(Potomac River Basin)  
121 W. King Street  
Martinsburg, West Virginia 25401

J. R. Hawvermale  
(304) 263-1743

State Soil Conservation Committee  
State Capitol Building  
Charleston, West Virginia 25305

Edward Bumgarner, Executive Secretary  
(304) 348-2204

5.0 OTHER AGENCIES AND INSTITUTIONS

- 5.1 Atlantic States Marine Fisheries Commission  
Suite 703  
1717 Massachusetts Avenue, N.W.  
Washington, D.C. 20036

Irwin M. Alperin, Executive Director  
(202) 387-5330

- 5.2 Chesapeake Research Consortium, Inc.  
1419 Forest Drive  
Suite 207  
Annapolis, Maryland 21403

L. Eugene Cronin, Director  
(301) 263-0884

- 5.3 Marine Science Consortium  
P.O. Box 16  
Wallops Island, Virginia 23337

Dr. James E. Alexander, Director  
(804) 824-5636  
Dr. Herb Hays, President  
Director, Department of Biology  
Shippensburg State College  
Shippensburg, Pennsylvania 17253  
(717) 532-9121 Ext. 439

- 5.4 Interstate Commission on the Potomac River Basin  
814 East West Towers  
4350 East West Highway  
Bethesda, Maryland 20014

Paul Eastman, Executive Director  
William McCaw, Environmental Engineer  
(301) 652-5758

- 5.5 Potomac River Fisheries Commission  
222 Taylor Street  
Colonial Beach, Virginia 22443

Robert M. Norris, Jr., Executive Secretary  
(804) 224-2923

5.6 Susquehanna River Basin Commission  
1721 North Front Street  
Harrisburg, Pennsylvania 17102

Robert J. Bielo, Executive Director  
Jerry Hollowell, Water Quality Chief  
(717) 238-0422

## 6.0 ENVIRONMENTAL INTEREST ORGANIZATIONS

### 6.1 Delaware

Delaware Association of Soil and Water  
Conservation District Supervisors  
Attn: Mr. James R. Stepler, Secretary-Treasurer  
14 Clyde Circle  
Whitehall, New Castle, Delaware 19720  
(302) 328-1674

Delaware Conservation Education Association  
Attn: Mr. Verna Price, President of Board of Directors  
P.O. Box 45  
Dover, Delaware 19901  
(302) 674-3153

Delaware Nature Education Center, Inc.  
Attn: Mr. Norman G. Wilder, Executive Director  
Box 700  
Hockessin, Delaware 19707  
(302) 239-2334

Delaware Wild Lands, Inc.  
Attn: Mr. Edmund H. Harvey, President  
5806 Kennett Pike  
Wilmington, Delaware 19807  
(302) 652-2437

Delaware Wildlife Federation  
Attn: Mr. Robert Streets, President  
26 Brookside Drive  
Wilmington, Delaware 19804  
(302) 658-2255

Delmarva Ornithological Society  
Attn: Mrs. Marjorie Fencer, Secretary  
38 Windflower Drive  
Meadowood  
Newark, Delaware 19711  
(302) 737-1566

Forward Lands, Inc.  
Attn: Mr. Clayton M. Hoss, Executive Vice President  
810 Blackshire Road  
Wilmington, Delaware 19805  
(302) 655-2151

## 6.2 District of Columbia

American the Beautiful Fund  
Attn: Mr. Paul Bruce Dowling, Executive Director  
219 Shoreham Building  
Washington, D. C. 20005  
(202) 638-1649

American Committee for International Wildlife Protection  
Attn: Dr. Fred Evenden, Secretary-Treasurer  
Wildlife Society  
7101 Wisconsin Avenue  
Bethesda, Maryland 20014  
(301) 986-8700

American Public Health Association  
Attn: Dr. E. Ellis, President  
1015 18th Street, N.W.  
Washington, D. C. 20036  
(202) 467-5040

American Seafood Distributors Association  
Attn: Mr. Arthur H. Frohman, President  
Mr. Lee J. Weddig, Executive Secretary  
1730 Pennsylvania Avenue, N.W.  
Suite 1150  
Washington, D. C. 20006  
(202) 785-0500

Conservation Foundation  
Attn: Mr. William K. Reilly, President  
1717 Massachusetts Avenue, N.W.  
Third Floor  
Washington, D. C. 20036  
(202) 797-4300

Friends of the Earth  
Attn: Mr. Jeffrey Knight, Legislative Director  
620 C. Street, S.E.  
Washington, D. C. 20003  
(202) 543-4312

National Academy of Sciences/National Research Council  
Attn: Dr. Philip Handler, President  
2101 Constitution Avenue  
Washington, D. C. 20418  
(202) 393-8100

National Association of Conservation Districts  
Attn: Mr. David G. Unger, Executive Vice President  
1025 Vermont Avenue, N.W.  
Room 1105  
Washington, D.C. 20005  
(202) 347-5995

National Capital Area Federation of Garden Clubs, Inc.  
Attn: Mrs. Robert J. Westbrook  
The National Arboretum  
2402 R Street, N.E.  
Washington, D.C. 20250  
(202) 399-5958

National Fishmeal and Oil Association  
Attn: Mr. Thomas E. Reynold, Director  
1100 17th Street, N.W.  
Washington, D.C. 20036  
(202) 785-0227

National Resources Defense Council  
Attn: Mr. Richard Ayres, Staff Attorney  
Mr. Anthony Roisman, Staff Attorney  
Mr. Thomas Stoel, Staff Attorney  
917 15th Street, N.W.  
Washington, D.C. 20005  
(202) 737-5000

Transportation Institute  
Attn: Mr. Herbert Brand, President  
923 15th Street  
Washington, D.C. 20005  
(202) 347-2590

Water Pollution Control Federation  
Attn: Mr. Robert Canham, Executive Director  
2626 Pennsylvania Avenue, N.W.  
Washington, D.C. 20037  
(202) 337-2500

### 6.3 Maryland

American Fisheries Society  
Attn: Mr. Carl R. Sullivan, Executive Director  
5410 Grosvenor Lane  
Bethesda, Maryland 20014  
(301) 897-8616

American Society of Limnology and Oceanography  
Attn: Dr. George Saunders, President  
Box 853  
Gaithersburg, Maryland 20760  
(301) 353-4155

Association of Interpretive Naturalists  
International Business Office  
Attn: Mr. Robert L. Young, President  
Ms. Susan V. Allen, Secretary-Treasurer  
6700 Needwood Road  
Derwood, Maryland 20855  
(301) 948-8844

Atlantic Estuarine Research Federation  
Attn: Dr. Betty Bauereis, President  
Baltimore Gas and Electric Company  
Gas and Electric Building  
Room 1020  
Baltimore, Maryland 21203  
(301) 234-6533

Audubon Naturalist Society  
Attn: Mr. Robert Lavell, Director  
8940 Jones Mill Road  
Chevy Chase, Maryland 20015  
(301) 652-9188

Audubon Naturalist Society  
Attn: Mr. Charles D. Williams, President  
Prince George's Chapter  
Box 693  
Bowie, Maryland 20715  
(301) 773-4699

Audubon Naturalist Society  
Southern Maryland Chapter  
Route 1  
Box 138X  
Newburg, Maryland 20664

Baltimore Environmental Center  
Attn: Ms. Jan Walker  
33 East 25th Street  
Baltimore, Maryland 21218  
(301) 366-2070

Chesapeake Association  
Attn: Mr. Robert Eagen  
Maryland Environmental Service  
60 West Street  
Room 304  
Annapolis, Maryland 21401  
(301) 269-2916

Chesapeake Bay Center for Environmental Studies  
Attn: Dr. Kevin Sullivan, Director  
Route 4  
Box 622  
Edgewater, Maryland 21037  
(301) 798-4424

Chesapeake Bay Foundation, Inc.  
Attn: Mr. Arthur Sherwood, Director  
"The Church"  
Box 1709  
Annapolis, Maryland 21404  
(301) 268-8816

Chesapeake Bay Seafood Association  
Attn: Mr. Robert Prier, Executive Director  
Box 1034  
Easton, Maryland 21601  
(301) 822-1440

Citizens Coalition for Saint Marys County  
Attn: Mr. Jack F. Witten  
Box 495  
Lexington Park, Maryland 20653  
(301) 373-5445

Citizens Program for the Chesapeake Bay, Inc.  
Attn: Mr. Jeremiah Valliant, President  
P. O. Box 215  
Oxford, Maryland 21654  
(301) 226-5546

The Conference of Federal Environmental Engineers  
Attn: Mr. James LeVan, Secretary-Treasurer  
3911 Parsons Road  
Chevy Chase, Maryland 20015  
(301) 654-3522

Conservation Education Council of Maryland  
Attn: Mrs. Louise C. Rymer, Chairman  
Post Office Drawer 120  
Upper Marlboro, Maryland 20870  
(301) 535-1602

Delmarva Advisory Council  
Attn: Mr. Henry B. Stone, Staff Officer  
One Plaza East  
P. O. Box 711  
Suite 700  
Salisbury, Maryland 21801  
(301) 742-9271

Harford County League of Women Voters  
Attn: Mrs. Eileen Rehrmann, President  
YWCA Building  
2023 Emorton Road  
Bel Air, Maryland 21014  
(301) 838-0070

Izaak Walton League of America, Inc.  
Maryland Division  
Attn: Mr. John Andervont, President  
106 Rolling Road  
Gaithersburg, Maryland 20760  
(301) 926-4969

Izaak Walton League of America, Inc.  
Rockville Chapter  
Attn: Mr. R. E. Montgomery, Treasurer  
13513 Cleveland Drive  
Rockville, Maryland 20850  
(301) 340-9350

Junior League of Baltimore  
Attn: Mrs. Sylvia Eggleston, President  
4803 Roland Avenue  
Baltimore, Maryland 21210  
(301) 467-0260

League of Women Voters of Maryland  
Attn: Mrs. Lois Stoner, President  
5 State Circle  
Annapolis, Maryland 21401  
(301) 269-0232

League of Women Voters of Montgomery County  
Attn: Ms. Gloria Gerecht, Natural Resources Director  
1109 Ruppert Road  
Silver Spring, Maryland 20903  
(301) 593-2319

Lundeberg School of Seamanship  
Attn: Mr. John Dotterer, Supervisor of Maintenance  
Piney Point, Maryland 20674  
(301) 994-0010

Maryland Association of Soil Conservation Districts, Inc.  
Attn: Mr. William Sutton, President  
Parole Plaza Office Building  
Annapolis, Maryland 21401  
(301) 269-2338

Maryland Boat Act Advisory Committee  
Attn: Mr. Alvin Simon, Chairman  
1222 1st Street, N.E.  
Washington, D.C. 20002  
(202) 737-2851

Maryland Environmental Trust  
Attn: Mr. David Porter Miller, Executive Director  
501 St. Paul Place  
Suite 1401  
Baltimore, Maryland 21202  
(301) 383-4264

Maryland Ornithological Society  
Attn: Mrs. Helen Ford, Secretary  
406 Beach Drive  
Annapolis, Maryland 21403  
(301) 247-8417

Maryland Rural Affairs Council  
Attn: Mr. Marvin J. Bennof, Executive Secretary  
University of Maryland  
Suite 4109  
McKeldin Library  
College Park, Maryland 20742  
(301) 454-5486

Maryland State Chamber of Commerce  
Attn: Mr. William F. Holin, Vice President, Public Affairs  
60 West Street  
Annapolis, Maryland 21401  
(301) 261-2858

Maryland Wildlife Federation  
Attn: Mr. Paul M. Breidenbaugh, President  
415 St. Paul Street  
Baltimore, Maryland 21202  
(301) 752-5614

The Natural History Society of Maryland  
Attn: Mr. Elra M. Palmer, President  
2643 North Charles Street  
Baltimore, Maryland 21218  
(301) 235-6116

Remington Farms  
Attn: Mr. E. Hugh Galbreath, Manager  
R.D.#2  
Box 660  
Chestertown, Maryland 21620  
(301) 778-1565

Shellfish Institute of North America  
Attn: Mr. Everett Tolley, Executive Director  
Suite 9, 212 Washington Avenue  
Baltimore, Maryland 21204  
(301) 821-7860

Upper Chesapeake Watershed Association  
Attn: Mr. Herbert H. Ward, III, President  
Route 1, Box 1018  
Elkton, Maryland 21921  
(301) 398-2273

Watermans Association, Inc.  
Attn: Mr. Larry Simms, President  
48 Maryland Avenue  
Annapolis, Maryland 21401  
(301) 268-7722

Worcester Environmental Trust  
Attn: Mr. Joseph W. Fehrer, Chairman  
110 West Federal Street  
Snow Hill, Maryland 21863  
(301) 632-2640

## 6.4 Pennsylvania

American Institute of Medical Climatology  
Attn: Dr. Helmut Landsberg, President  
1023 Welsh Road  
Philadelphia, Pennsylvania 19115  
(215) 673-8368

Citizens Advisory Council  
Department of Environmental Resources  
Attn: Mr. Thomas McCloskey, Executive Director  
P. O. Box 2357  
Room 816, Executive House  
Harrisburg, Pennsylvania 17120  
(717) 787-4527

Izaak Walton League of America, Inc.  
Pennsylvania Division  
Attn: Mr. Melvin Breakiron  
712 Morgantown Street  
Uniontown, Pennsylvania 15401  
(412) 438-1774

Pennsylvania Association of Conservation  
District Directors, Inc.  
Attn: Mr. Arthur Wilson, President  
R. D. 3  
Volant, Pennsylvania 16156  
(412) 946-8019

Pennsylvania Environmental Council, Inc.  
Attn: Mr. Curtin Windsor, President  
225 South 15th Street  
Philadelphia, Pennsylvania 19102  
(215) 735-0966

Pennsylvania Federation of Sportsmen's Clubs, Inc.  
Attn: Mr. George C. Greller, Secretary  
427 Iroquois Street  
Lester, Pennsylvania 19117  
(215) 521-3738

The Pennsylvania Forestry Association  
Attn: Mr. Robert V. Clark, Executive Director  
5221 East Simpson Street  
Mechanicsburg, Pennsylvania 17055  
(717) 766-5371

Pennsylvania Roadside Council, Inc.  
34 Palmers Mill Road  
Media, Pennsylvania 19063  
(215) 356-0539

Water Pollution Control Federation  
Pennsylvania Chapter  
Attn: Mr. Glenn A. Marburger, Secretary  
Box 20  
Locust Grove, Virginia 22508  
(703) 825-2760

Western Pennsylvania Conservancy  
Attn: Mr. Joshua C. Whetzel, Jr., President  
316 4th Avenue  
Pittsburg, Pennsylvania 15222  
(412) 288-2777

## 6.5 Virginia

American Water Resources Association  
The National Capital Section  
Attn: Mr. James T. McBroom, President  
1145 Bellview Road  
McLean, Virginia 22101  
(703) 759-2754

Audubon Naturalist Society  
Cape Henry Chapter  
Attn: Mr. Robert Tripician, President  
4529 Biscayne Drive  
Virginia Beach, Virginia 23455  
(804) 464-0430

Audubon Naturalist Society  
Northern Neck Chapter  
Attn: Mr. Ned L. Williams, President  
Box 991  
Kilmarnock, Virginia 22482  
(804) 435-6469

Audubon Naturalist Society  
Virginia Beach Chapter  
Attn: Mr. Maurice Jackson, President  
1125 Vitchley Road  
Virginia Beach, Virginia 23451  
(804) 428-1470

Center for Environmental Strategy  
Attn: Ms. Marion Agnew, Director  
1740 Dumbarton Street  
McLean, Virginia 22101  
(703) 538-5688

Chesapeake Bay Foundation  
Yorktown Chapter  
Attn: Mr. Haydon Ross-Counis, President  
Box 643  
Yorktown, Virginia 23690

Citizens Program for the Chesapeake Bay, Inc.  
Attn: Dr. Charles W. Coale, Jr.  
Virginia Polytechnic Institute and State University  
Hutcheson Hall  
Blacksburg, Virginia 24061  
(703) 951-5562

Citizens Program for the Chesapeake Bay, Inc.  
Attn: Mr. George Hagerman, Director  
EPA Participation  
5 East Queens Street  
Hampton, Virginia 23669  
(804) 722-0774

Conservation Council of Virginia Foundation  
Attn: Mr. Lee Carlyle, President  
2317 Westwood Avenue  
Richmond, Virginia 23230

Conservation Council of Virginia, Inc.  
Attn: Mrs. Louise Burke, Executive Director  
2317 Westwood Avenue  
Room 205  
Richmond, Virginia 23230  
(804) 272-6393

Robert Hicks, President  
(804) 359-4324

Conservation Council of Virginia, Inc.  
Attn: Mrs. Memory Porter, Water Resource Chairman  
3909 Aldie Road  
Cartharpin, Virginia 22018

The Estuarine Research Federation  
Attn: Dr. Michael Castagna, President  
Eastern Shore Laboratory  
Wachapreague, Virginia 23480  
(804) 787-3280

Izaak Walton League of America  
Virginia Division  
Attn: Mr. Britton, President  
2470 Mount Olive Road  
Centerville, Virginia 22020  
(703) 830-8917

Junior League of Hampton Roads  
Environmental Task Force  
Attn: Ms. Anne A. Chisman  
20 Wheatland Drive  
Hampton, Virginia 23666  
(804) 838-5558

Junior League of Norfolk-Virginia Beach  
Attn: Mrs. James Rinehart  
420 Bank Street  
Norfolk, Virginia 23510  
(804) 623-7270

Junior League of Washington  
Attn: Mrs. Betty Jane Gerber  
1309 Ballantrae Court  
McLean, Virginia 22101  
(703) 356-8194

National Wildlife Federation  
Attn: Mr. J. A. Brownridge, Administrative Vice President  
8925 Leesburg Pike  
Vienna, Virginia 22180  
(703) 790-4000

The Nature Conservancy  
Virginia Chapter  
Attn: Dr. John L. McKnight  
701 College Terrace  
Williamsburg, Virginia 23185  
(804) 253-4000

Norfolk-Virginia Beach League of Women Voters  
Attn: Ms. Elizabeth G. Johnson, Environmental Chairman  
107 69th Street  
Virginia Beach, Virginia 23451  
(804) 622-9066

Northern Virginia Conservation Council  
Attn: Mr. Thomas Gause  
Box 304  
Annandale, Virginia 22003  
(703) 941-5321

Resource-Use Education Council  
Attn: Mr. Paul A. Shrauder, Chairman  
c/o Jefferson National Forest  
210 Franklin Road S. W.  
Roanoke, Virginia 24011  
(703) 982-6274

Virginia Agribusiness Council  
Attn: Mr. J. Paul Williams, Executive Director  
1001 East Main  
Richmond, Virginia 23219  
(804) 643-3555

Virginia Association of Soil and Water  
Conservation Districts  
Attn: Mr. J. Royall Robertson  
830 East Main Street  
Suite 800  
Richmond, Virginia 23219  
(804) 786-2065

Virginia Forestry Association  
Attn: Mr. Charles F. Finley, Jr., Executive Director  
One North 5th Street  
Richmond, Virginia 23219  
(804) 644-8462

Virginia Seafood Council  
Attn: Ms. Sally Cope, Executive Director  
P. O. Box 188  
Newport News, Virginia 23607  
(804) 247-6681

Virginia Society of Ornithology  
Attn: Dr. J. J. Murray, President  
University of Virginia  
Department of Biology  
Charlottesville, Virginia 22903  
(804) 924-7868

The Virginia Water Pollution Control Association  
Attn: Mr. L. H. Roden, Jr., Secretary-Treasurer  
8207 Franconia Road  
Richmond, Virginia 23227  
(804) 266-6415

## 6.6 West Virginia

Appalachian Trail Conference  
Attn: Mr. Henry Lutz, Executive Director  
Box 236  
Harpers Ferry, West Virginia 25425  
(304) 535-6331

Nature Conservancy  
West Virginia Chapter  
Attn: Mrs. Eleanor Bush, Chairman  
5 Bush Avenue  
Philippi, West Virginia 26416  
(304) 457-3460

Water Pollution Control Federation  
Attn: Mr. Glen O. Fortney, Secretary  
State Department of Health  
Charleston, West Virginia 25305  
(304) 348-2981

West Virginia Soil and Water  
Conservation District Supervisors Association, Inc.  
Attn: Mr. George R. Heidrich, President  
Charles Town, West Virginia 25414  
(304) 725-7942

West Virginia Wildlife Federation  
Attn: Mr. Nick Wright, President  
Box 561  
Mason, West Virginia 25260

6.7 Other Location

Outdoor Writers Association of America, Inc.  
Attn: Mr. Ed Hanson, Executive Director  
4141 West Bradley Road  
Milwaukee, Wisconsin 53209  
(414) 354-9690

## 7.0 ENVIRONMENTAL CONSULTING ORGANIZATIONS

### 7.1 Delaware

Brandt Associates, Inc.  
Attn: Mr. Karl Brand  
50 Blue Hen Drive  
Newark, Delaware 19713  
(302) 731-1550

E. I. du Pont de Nemours and Company  
Attn: Mr. Clifton Cooke  
Chemical Dyes and Pigments Section  
13250 Brandywine Building  
Wilmington, Delaware 19898  
(302) 999-3912

Ichthyological Associates  
Attn: Mr. Victor Schuler, Vice President and Project Leader  
100 South Cass Street  
Middletown, Delaware 19709  
(302) 378-9881

Dr. Vytautas Klemas, Professional Consultant  
College of Marine Studies, University of Delaware  
Newark, Delaware 19711  
(302) 738-1212

Rollins Environmental Services  
Attn: Mr. William B. Phillipbar, Jr., President  
One Rollins Plaza  
Wilmington, Delaware 19899  
(302) 658-8541

## 7.2 District of Columbia

Dames and Moore  
Attn: Dr. Harch Singh  
7101 Wisconsin Avenue  
Suite 700  
Washington, D.C. 20014  
(202) 652-2215

Data Resource, Inc.  
Attn: Mr. Joseph E. Kasputys, Vice President  
1750 K Street, N.W.  
9th Floor  
Washington, D.C. 20006  
(202) 862-3700

Ernst and Ernst  
Attn: Mr. W. J. Leininger  
1225 Connecticut Avenue, N.W.  
Washington, D.C. 20036  
(202) 296-8300

Arthur H. Fawcett, Jr., Consultant  
Urban and Regional Planning  
2900 M Street, N.W.  
Washington, D.C. 20007  
(202) 337-3103

Bernard D. Gross and Associates  
Attn: Mr. Bernard Gross  
3202 38th Street, N.W.  
Washington, D.C. 20016  
(202) 244-5566

Henningson, Durham, and Richardson  
Attn: Mr. Algis Lukas, Executive Vice President  
5454 Wisconsin Avenue  
Suite 1345  
Washington, D.C. 20015  
(301) 657-1780

Ralph M. Parsons Company  
Attn: Mr. Alan Duncan, Project Manager  
1101 15th Street, N.W.  
Washington, D.C. 20005  
(202) 331-0777

Planning Consultant  
Attn: Mr. Harold F. Wise  
1200 18th Street, N.W.  
Washington, D.C. 20036  
(202) 872-1422

Rand Corporation  
2100 M Street, N.W.  
Washington, D.C. 20037  
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Raymond, Parish, Pine and Plavnick  
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Suite 800, Denrike Building  
1010 Vermont Avenue, N.W.  
Washington, D.C. 20005  
(202) 783-2924

Tischler, Marcou and Associates  
1000 Vermont Avenue, N.W.  
Washington, D.C. 20005  
(202) 638-4446

The Urban Institute  
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2100 M Street, N.W.  
Washington, D.C. 20037  
(202) 223-1950

Wapora  
Attn: Mr. Jack Bregman, President  
6900 Wisconsin Avenue, N.W.  
Washington, D.C. 20015  
(301) 652-9520

### 7.3 Maryland

Armiger, Chaffin and Associates, Inc.  
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1000 Century Plaza  
Columbia, Maryland 21044  
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Baltimore Transportation Associates  
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P. O. Box 8657  
Baltimore-Washington International Airport  
Baltimore, Maryland 21240  
(301) 796-0208

Arthur Beard Engineers, Inc.  
Attn: Mr. Gary Nickerson, Vice President  
6900 Wisconsin Avenue  
Room 707  
Chevy Chase, Maryland 20015  
(301) 657-3660

Bechtel Corporation  
Attn: Mr. Clyde Bald  
15740 Shady Grove Road  
Gaithersburg, Maryland 20760  
(301) 948-2700 Extension 2483

Biospherics, Inc.  
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4928 Wyaconda Road  
Rockville, Maryland 20852  
(301) 770-7700

Booz, Allan and Hamilton  
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Bethesda, Maryland 20014  
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Cadcom, Inc.  
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107 Ridgely Avenue  
Annapolis, Maryland 21401  
(301) 268-9010

Century Engineering, Inc.  
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32 West Road  
Towson, Maryland 21204  
(301) 823-8070

Crockett Associates, Consulting Engineers  
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2616 Maryland Avenue  
Baltimore, Maryland 21218  
(301) 467-2941

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Air Rights Building, Suite 800 West  
7315 Wisconsin Avenue  
Bethesda, Maryland 20014  
(301) 657-4556

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Severna Park, Maryland 21146  
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Maryland Executive Park  
8600 La Salle Road  
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11300 Rockville Pike  
Rockville, Maryland 20852  
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Environmental Concern, Inc.  
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St. Michaels, Maryland 21663  
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Hittman Associates, Inc.  
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Columbia, Maryland 21045  
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Gaithersburg, Maryland 20760  
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Baltimore, Maryland 21228  
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Lutherville, Maryland 21093  
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Lyon Associates, Inc.  
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Baltimore, Maryland 21227  
(301) 247-0700

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Benedict Estuarine Research Laboratory  
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Benedict, Maryland 20612  
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Rockville, Maryland 20850  
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Baltimore, Maryland 21202  
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Zapata Haynie Corporation  
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Martins Creek, Pennsylvania 18063  
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505 McNeilly Road  
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Slippery Rock, Pennsylvania 16057  
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Box 6307  
Wyomissing, Pennsylvania 19610  
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## 7.5 Virginia

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Biology Department  
University of Richmond  
Richmond, Virginia 23173  
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Fairfax, Virginia 22030  
(703) 273-3166

CH<sub>2</sub>M/Hill  
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Reston, Virginia 22090  
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Comeco  
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Arlington, Virginia 22207  
(703) 538-2631

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(804) 648-8358

Eastern Control Systems, Inc.  
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Richmond, Virginia 23219  
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Virginia Beach, Virginia 23452  
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Falls Church, Virginia 22042  
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Hayes, Virginia 23072  
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Falls Church, Virginia 22046  
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Vienna, Virginia 22180  
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Arlington, Virginia 22203  
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Marine Advisory and Associated Services  
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Great Falls, Virginia 22066  
(703) 450-4884

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Old Dominion University  
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McLean, Virginia 22101  
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McLean, Virginia 22101  
(703) 790-5950

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Fredricksburg, Virginia 22401  
(703) 373-7336

Stanwick Corporation  
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Rosslyn Station  
Arlington, Virginia 22209  
(703) 841-5011

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Technical Associates, Inc.  
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(804) 644-4554

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7600 Colshire Drive  
McLean, Virginia 22101  
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Springfield, Virginia 22151  
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Richmond, Virginia 23173  
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Lynchburg, Virginia 24501  
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## 7.6 West Virginia

D. J. Horvath, Professional Consultant  
Agricultural Science Building  
West Virginia University  
Morgantown, West Virginia 26506  
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## 7.7 Other Location

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Cambridge, Massachusetts 02138  
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Woodward-Clyde Consultants  
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## 8.0 LITERATURE CITED

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