

# Guide to the Carol D. Litchfield microbiology collection, 1924-1997

Carol D. Litchfield microbiology collection

1924-1997

A Collection in Special Collections and Archives C0047

George Mason University Libraries

2006

**Author:** Carol D. Litchfield

## History

**Processed by:** Special Collections and Archives Staff

## Title Statement

Guide to the Carol D. Litchfield microbiology collection, 1924-1997

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**Collection:** C0047

**Author:** Carol D. Litchfield

## Publication Statement

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**Language Usage:** Description is in English

## Revision Description

**2019-02-13** Converted to schema conforming EAD by dtd2schema.vh.xsl.

## Descriptive Summary

### Collection number

C0047

### Date

1924-1997

### Language

English

### Abstract

The Carol D. Litchfield microbiology collection contains published reports and government studies as well as a few personal documents and papers encompassing topics such as microbiology of organisms and water quality.

### Creator

Carol D. Litchfield

### Physical Characteristics

16.5 linear feet (11 boxes)

## Repository

George Mason University. Special Collections and Archives

# Administrative Information

## Access Restrictions

There are no access restrictions.

## Use Restrictions

There are no restrictions on personal use. Permission to publish material from the Carol D. Litchfield Microbiology collection must be obtained from Special Collections Research Center, George Mason University Libraries.

## Acquisition Information

The collection was first donated by Carol D. Litchfield in 1995 followed by more donations until 2008.

## Processing Information

This collection was processed by Jennifer Munson in February 2009.

## Preferred Citation

Carol D. Litchfield Microbiology collection, C0047, Special Collections and Archives, George Mason University Libraries.

# Adjunct Descriptive Data

## Related Material

The George Mason University Special Collections and Archives also holds other collections for research in related scientific fields in the [Clarence E. Larson Science and Technology Oral History collection](#), [Harold J. Morowitz papers](#), and the [James S. Trefil papers](#).

# Biographical Information

Microbiologist and biochemist Carol D. Litchfield was born in Cincinnati, Ohio, in 1936. She received a Masters of Science in Microbiology from the University of Cincinnati in 1960 and went on to pursue a Ph.D. in Biochemistry at Texas A and M University. Following a post-doctoral appointment at the University of North Wales, Dr. Litchfield joined the faculty at Rutgers, State University of New Jersey. After ten years at Rutgers, she worked as Head of Environmental Toxicology at Haskell Laboratory, a DuPont laboratory, then as Senior Scientist for its bioremediation subsidiary. Dr. Litchfield then founded her own consulting company and worked for Chester Environmental prior to joining George Mason University in 1993. A member of several professional societies, Litchfield served as the president of the Society for Industrial Microbiology (SIM) from 2007 to 2008. She was awarded the Charles Porter Award in 2012 from the organization for her achievements in applied microbiology and her exceptional service to SIM. She died in 2012.

# Scope and Content

The Carol D. Litchfield microbiology collection contains journal publications, government studies, microfiche, and research data, both published and personal. This collection features many different areas of microbiology, ranging from research methods and analysis to water quality data influencing policy making. Some highlights in this collection contain the New York Bight Project, which deals with water quality, sludge, and sewage dumping in the New York Bight, the waters between New York and New Jersey. Also within this collection are government manuals, findings, and reports on microbiology, as well as some personal field work, research, and papers by Dr. Litchfield. A few pieces of the collection are in French, German, and Japanese. The majority of this collection dates from the mid-1970s to the end of the 1980s, and the majority of the material contains information on the New York Bight project and other water quality studies and reports.

# Index Terms

## Persons:

Litchfield, Carol D.

## Corporate Names:

American Petroleum Institute.  
Association of Ground Water Scientists and Engineers (U.S.)  
Marine EcoSystems Analysis Program.  
United States. Environmental Protection Agency.  
United States. National Oceanic and Atmospheric Administration.  
United States. National Technical Information Service.

## Geographical Names:

New York Bight (N.J. and N.Y.)

## Subjects:

Limnology.  
Sewage disposal in the ocean.  
Waste disposal in the ocean.  
Water--Microbiology.

## Arrangement

There is some arrangement by topic and geographical location.

## Contents List

### **Carol D. Litchfield Microbiology collection, 1924-1997**

#### **Scope and Content**

This collection contains over 300 documents of reports, papers, and manuals in microbiology, oceanography, and limnology.

#### **Environmental Impact Statement on the Ocean Dumping of Sewage Sludge in the New York Bight Final,**

**Unit Date** September 1978

**Container** 1 (Box)

**Container** 1 (Volume)

#### **Scope and Content**

U.S. Environmental Protection Agency Region II, Approved by Eckardt C. Beck - Regional Administrator  
Final results of the reexamination of the environmental impact statement (EIS) of the existing dump site

#### **Ocean Dumping in the New York Bight NOAA Technical Report ERL 321-MESA 2,**

**Unit Date** March 1975

**Container** 1 (Box)

**Container** 2 (Volume)

#### **Scope and Content**

NOAA, Robert M. White, Administrator; ERL, Wilmot N. Hess, Director  
Overview of the dumping situation in the New York Bight and aspects of it

#### **The New York Bight Project - 1975 Stony Brook, Long Island New York,**

**Unit Date** March 1975

**Container** 1 (Box)

**Container** 3 (Volume)

#### **Scope and Content**

U.S. DOC, Elliot Richardson, Secretary; NOAA, Robert M. White, Administrator; ERL, Wilmot Hess,

U.S. DOC, ELLIOT RICHARDSON, Secretary; NOAA, ROBERT M. WHITE, Administrator; ERL WILLMONT HESS, Director

MESA program and the MESA New York Bight Project

### **Long Island Beach Pollution: June 1976,**

**Unit Date** February 1977

**Container** 1 (Box)

**Container** 4 (Volume)

#### **Scope and Content**

R. Lawrence Swanson, Gerald M. Hansler, Lt. Comdr. Joseph Marotta

MESA Special Report

### **MESA New York Bight Project Annual Report for Fiscal Year 1977,**

**Unit Date** October 1978

**Container** 1 (Box)

**Container** 5 (Volume)

#### **Scope and Content**

MESA, NOAA, U.S. DOC, EPA

Annual report for fiscal year 1977 presents an overview of MESA New York Bight Project activities between October 1, 1976 and September 30, 1977.

### **Final Report Part 1 The Abundances, Distribution, and Flux of Nutrients and Chlorophyll A in the New York Bight Apex,**

**Unit Date** February 1976

**Container** 1 (Box)

**Container** 6 (Volume)

#### **Scope and Content**

I.W. Duedall, H.B. O'Connors, J. G. Parker, R.W. Wilson and A. S. Robbins

Tidal, spatial, and seasonal changes in salinity, temperature and concentration levels between Sandy Hook, NJ and Rockaway Point, NY between November 1973 and June 1974

### **Ocean Dumping in the New York Bight Since 1973,**

**Unit Date** April 1974

**Container** 1 (Box)

**Container** 7 (Volume)

#### **Scope and Content**

EPA Region II Surveillance and Analysis Division

Briefing Report; Practices and permits for sludge dumping.

### **Dispersion of Sewage Sludge Discharged into the New York Bight,**

**Unit Date** December 1974

**Container** 1 (Box)

**Container** 8 (Volume)

#### **Scope and Content**

A. M. Teeter, R. J. Callaway, D. W. Denbo

EPA-600/3-78-086a; stamped as WITHDRAWN

### **Dispersion of Sewage Sludge Discharged into the New York Bight,**

**Unit Date** 1975

**Container** 1 (Box)

**Container** 9 (Volume)

#### **Scope and Content**

A.M. Teeter, R.J. Callaway, G.R. Ditsworth, D.W. Denbo, D. Browne

**Draft Environmental Impact Statement (EIS) for New York Bight Acid Waste Disposal Site Designation,**

**Unit Date** November 1979

**Container** 1 (Box)

**Container** 10 (Volume)

**Scope and Content**

T.A. Wastler

Administrative/Regulatory action - The proposed action is the designation of the New York Bight Acid Waste Disposal Site for continuing use

**Phase 1 Report of Technical Alternatives to Ocean Disposal of Sludge in the New York City-New Jersey Metropolitan Area,**

**Unit Date** June 1975

**Container** 1 (Box)

**Container** 11 (Volume)

**Scope and Content**

Camp Dresser and McKee, Alexander Potter Associates

Alternatives to Ocean Dumping

**Distribution and Abundance of Benthic Macrofauna in the Sewage Sludge Disposal Area, New York Bight Apex, February 1975,**

**Unit Date** November 1977

**Container** 1 (Box)

**Container** 12 (Volume)

**Scope and Content**

John Pearce, Janice Caracciolo, Martha Halsey, Leslie Rogers

Impact of ocean waste disposal on the ecosystem of the New York Bight apex since 1968; NOAA Data Report ERL MESA-36

**MESA New York Bight Project Expanded Water Column Characterization Cruise (XWCC 14) NOAA Ship George B. Kelez, June - July 1977,**

**Unit Date** February 1978

**Container** 1 (Box)

**Container** 13 (Volume)

**Scope and Content**

John B. Hazelworth, Terren M. Niedrauer, Philip G. Hanson

Report presents the corrected physical and chemical (nutrient) data from this cruise; NOAA Data Report ERL MESA-37

**Hydrographic Data from New York Bight: July - November 1976,**

**Unit Date** January 1978

**Container** 1 (Box)

**Container** 14 (Volume)

**Scope and Content**

Frank Steimle

Collection of data investigating oxygen depletion in the sub-thermocline water layer off New Jersey; NOAA Data Report ERL MESA-35

**MESA New York Bight Project Expanded Water Column Characterization Cruise (XWCC 9) NOAA Ship George B. Kelez,**

**Unit Date** May 1976

**Container** 1 (Box)

**Container** 15 (Volume)

**Scope and Content**

John B. Hazelworth, Robert B. Start, Shailer R. Cummings, George A. Berberian

Data collected for analysis of the water characteristics and movement; NOAA Data Report ERL MESA-31

**New York Bight Project Annual Report for FY 1976-76T,**

**Unit Date** December 1977

**Container** 1 (Box)

**Container** 16 (Volume)

**Scope and Content**

NOAA, U.S. DOC

July 1, 1975 to September 30, 1976; NOAA Technical Memorandum ERL MESA-25

**Environmental Impact Statement (EIS) for 106-Mile Ocean Waste Disposal Site Designation,**

**Unit Date** February 1980

**Container** 1 (Box)

**Container** 17 (Volume)

**Scope and Content**

U.S. EPA Oil and Special Materials Control Division

Final report, Administrative/Regulatory action

**Ocean Dumping in the New York Bight Facts and Figures,**

**Unit Date** July 1973

**Container** 1 (Box)

**Container** 18 (Volume)

**Scope and Content**

U.S. EPA Region II Surveillance and Analysis Division

Facts and Figures of Waste Discharges in the New York - New Jersey Metropolitan Area

**Ocean Disposal in the New York Bight Technical Briefing Report Number 1,**

**Unit Date** July 1974

**Container** 1 (Box)

**Container** 19 (Volume)

**Scope and Content**

U.S. EPA Region II Surveillance and Analysis Division

2 Copies; Volume of Waste Materials - 1973, Long-Range Plan for Phase Out, Technical Findings

**Ocean Disposal in the New York Bight Technical Briefing Report Number 2,**

**Unit Date** April 1975

**Container** 1 (Box)

**Container** 20 (Volume)

**Scope and Content**

U.S. EPA Region II Surveillance and Analysis Division

2 Copies; Volumes and Characteristics of Waste Materials Dumped, Long Term Goals for Phase Out of Ocean Disposal in the New York Bight, Technical Findings

## **New York Bight Project Project Development Plan and Technical Development Plan,**

**Unit Date** April 1977

**Container** 1 (Box)

**Container** 21 (Volume)

### **Scope and Content**

U.S. DOC, NOAA, ERL, MESA, and New York Bight Project Office

Purpose of the program and overall goals, research and management plan

## **Winter Conditions in the New York Bight 1973-1974,**

**Unit Date** September 1974

**Container** 1 (Box)

**Container** 22 (Volume)

### **Scope and Content**

Grumman Ecosystems Corporation and Quirk, Lawler, and Matusky, Engineers

PB-245 191, First Report

## **MESA New York Bight Project Expanded Water Column Characterization Cruise (XWCC 9) NOAA Ship George B. Kelez, May 1976,**

**Unit Date** 1977

**Container** 1 (Box)

**Container** 23 (Volume)

### **Scope and Content**

J.B. Hazelworth

Microfiche, 1-2 of 2, NOAA DR ERL MESA-31

## **MESA New York Bight Project Expanded Water Column Characterization Cruise (XWCC 10) NOAA Ship George B. Kelez, 28 June - 1 July, 1976,**

**Unit Date** 1977

**Container** 1 (Box)

**Container** 24 (Volume)

### **Scope and Content**

R.B. Starr

Microfiche, 1 of 1, NOAA DR ERL MESA-28

## **MESA New York Bight Project Expanded Water Column Characterization Cruise (XWCC 11) NOAA Ship Researcher, September 1976,**

**Unit Date** 1977

**Container** 1 (Box)

**Container** 25 (Volume)

### **Scope and Content**

J.B. Hazelworth

Microfiche, 1-3 of 3, NOAA DR ERL MESA-29

## **MESA New York Bight Project Expanded Water Column Characterization Cruise (XWCC 13) NOAA Ship George B. Kelez, May - June 1977,**

**Unit Date** 1977

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### **Scope and Content**

J.B. Hazelworth

Microfiche, 1-3 of 3, NOAA DR ERL MESA-34

**MESA New York Bight Project Expanded Water Column Characterization Cruise (XWCC 14) NOAA Ship George B. Kelez, June - July 1977,**

**Unit Date** 1978

**Container** 1 (Box)

**Container** 27 (Volume)

**Scope and Content**

J.B. Hazelworth

Microfiche, 1-2 of 2, NOAA DR ERL MESA-37

**MESA New York Bight Project Expanded Water Column Characterization Cruise (XWCC 15) NOAA Ship George B. Kelez, August 1977,**

**Unit Date** 1978

**Container** 1 (Box)

**Container** 28 (Volume)

**Scope and Content**

J.B. Hazelworth

Microfiche, 1-3 of 3, NOAA DR ERL MESA-38

**MESA New York Bight Project Expanded Water Column Characterization Cruise (XWCC 16) NOAA Ship George B. Kelez, October 1977,**

**Unit Date** 1978

**Container** 1 (Box)

**Container** 29 (Volume)

**Scope and Content**

J.B. Hazelworth

Microfiche, 1-2 of 2, NOAA DR ERL MEA-39

**MESA New York Bight Project Trace Metal Data: Expanded Water Column Characterization Cruises (XWCC-12, 13, 15 ,16) NOAA Ship George B. Kelez, 1977,**

**Unit Date** 1982

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**Container** 30 (Volume)

**Scope and Content**

NOAA

Microfiche, 1 of 1, REQ. #42125, NOAA DR OMPA-12

**MESA New York Bight Project Water Column Characterization Cruise NOAA Ship George B. Kelez,**

**Unit Date** 1978

**Container** 1 (Box)

**Container** 31 (Volume)

**Scope and Content**

J.B. Hazelworth

Microfiche, 1-2 of 2, NOAA DR ERL MESA-33

**New York Bight Project, Water Column Sampling Cruises #9-12 of the NOAA Ship Ferrel,**

**Unit Date** May 1975

**Container** 1 (Box)

**Container** 32 (Volume)

**Scope and Content**

John B. Hazelworth, Bryon L. Kolitz, Robert B. Starr, Robert L. Charnell, George A. Berberian, Maxine A.

Weiselberg

Microfiche, 1-3 of 3; NOAA Data Report ERL MESA-3

**New York Bight Project, Water Column Sampling Cruises #6-8 of the NOAA Ship Ferrel,**

**Unit Date** January 1975

**Container** 1 (Box)

**Container** 33 (Volume)

**Scope and Content**

John B. Hazelworth, Bryon L. Kolitz, Robert B. Starr, Robert L. Charnell, George A. Berberian, Maxine A. Weiselberg

Microfiche, 1-2 of 2; NOAA DR MESA-1

**Water Movement Within the Apex of the New York Bight During Summer and Fall of 1973,**

**Unit Date** April 1975

**Container** 1 (Box)

**Container** 34 (Volume)

**Scope and Content**

Robert L. Charnell, Dennis A. Mayer

Microfiche, 1 of 1, NOAA TM ERL MESA-3

**Assessment of Offshore Dumping in the New York Bight, Technical Background: Physical Oceanography, Geological Oceanography, Chemical Oceanography,**

**Unit Date** April 1975

**Container** 1 (Box)

**Container** 35 (Volume)

**Scope and Content**

Robert L. Charnell

Microfiche, 1 of 1, NOAA TR ERL 332-MESA 3

**Assessment of Offshore Dumping; Technical Background: Physical Oceanography, Geological Oceanography, Chemical Oceanography,**

**Unit Date** April 1975

**Container** 1 (Box)

**Container** 36 (Volume)

**Scope and Content**

Robert L. Charnell

Microfiche, 1 of 1, NOAA TM ERL MESA-1

**Annual Summary of Research Results for Fiscal Year 1974,**

**Unit Date** 1974

**Container** 1 (Box)

**Container** 37 (Volume)

**Scope and Content**

New York Bight Project

Microfiche, 1-3 of 3, NOAA TM ERL MESA-2

**Suspended Particulate Matter in the New York Bight Apex: September-November 1973,**

**Unit Date** 1974

**Container** 1 (Box)

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**Scope and Content**

David E. Drake

Microfiche, 1 of 1, NOAA TR ERL 318-MESA 1

**A Study of the Sources, Transport, and Reaction of Suspended Particles in Waters of the New York Bight,**

**Unit Date** 1978

**Container** 1 (Box)

**Container** 39 (Volume)

**Scope and Content**

P.R. Betzer

Microfiche, 1 of 1, NOAA TM ERL MESA-23

**The 1973 Bathymetric Survey in the New York Bight Apex: Maps and Geological Implications,**

**Unit Date** 1977

**Container** 1 (Box)

**Container** 40 (Volume)

**Scope and Content**

G.L. Freeland and G.F. Merrill

Microfiche, 1 of 1, NOAA TM ERL MESA-19

**Distribution and Abundance of Benthic Organisms in the New York Bight Apex, Five Seasonal Cruises, August 1973 - September 1974.**

**Unit Date** 1977

**Container** 1 (Box)

**Container** 41 (Volume)

**Scope and Content**

J. Pearce

Microfiche, 1-9 of 9, NOAA DATA REPORT ERL MESA-32

**Distribution and Abundance of Benthic Microfauna in the Sewage Sludge Disposal Area, N.Y. Bight Apex, February 1975,**

**Unit Date** 1977

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**Container** 42 (Volume)

**Scope and Content**

J. Pearce

Microfiche, 1 of 1, NOAA DR ERL MESA-36

**Field Measurements of the Bottom Frictional Boundary Layer in the New York Bight,**

**Unit Date** 1978

**Container** 1 (Box)

**Container** 43 (Volume)

**Scope and Content**

Barry M. Lesht

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## **Bottom Friction Under Waves in the Presence of a Weak Current.**

**Unit Date** 1978

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**Container** 44 (Volume)

### **Scope and Content**

W.D. Grant and O.S. Madsen

Microfiche, 1-2 of 2, NOAA TM ERL MESA-29

## **New York Bight Annual Report for FY 1976-76T.**

**Unit Date** 1977

**Container** 1 (Box)

**Container** 45 (Volume)

### **Scope and Content**

NOAA

Microfiche, 1-2 of 2, NOAA TM ERL MESA-25

## **Hydrographic Data from New York Bight: July-November 1976,**

**Unit Date** 1978

**Container** 1 (Box)

**Container** 46 (Volume)

### **Scope and Content**

Frank Steimle

Microfiche, 1-3 of 3, NOAA DR ERL MESA-35

## **The Ocean Dumping Quandary Waste Disposal in the New York Bight,**

**Unit Date** 1983

**Container** 1 (Box)

**Container** 47 (Volume)

### **Scope and Content**

Donald F. Squires

Book

## **SINC Compendium Report, "Benthic and Planktonic Bacteria",**

**Unit Date** 1982

**Container** 1 (Box)

**Container** 48 (Volume)

### **Scope and Content**

Carol D. Litchfield

Letter by Dr. Litchfield to Dr. Mayer with attached SINC Compendium Report entitled "Benthic and Planktonic Bacteria" included with Dr. Mayer's reply

## **The Proceedings of the New York Bight Dredged Material Disposal Alternatives Workshop,**

**Unit Date** October 1977

**Container** 1 (Box)

**Container** 49 (Volume)

### **Scope and Content**

Sponsored by U.S. Army Corps of Engineers NY District

Proceedings of the three day workshop

## **NOAA's New York Bight Marine Ecosystems Analysis Project: An Interdisciplinary Study of the Marine Environment,**

**Unit Date** October - November 1974

**Container** 1 (Box)

**Container** 50 (Volume)

### **Scope and Content**

Allan Hirsch

Reprinted from Marine Technology Society Journal Vol. 8 No. 9

## **Beach Forms and Coastal Processes,**

**Unit Date** January 1975

**Container** 1 (Box)

**Container** 51 (Volume)

### **Scope and Content**

Warren E. Yasso and Elliott M. Hartman Jr.

MESA New York Bight Atlas Monograph 11

## **Demographic Patterns.**

**Unit Date** June 1975

**Container** 1 (Box)

**Container** 52 (Volume)

### **Scope and Content**

Charles T. Koebel and Donald A. Krueckeberg

MESA New York Bight Atlas Monograph 23

## **Abstracts Special Symposium The Middle Atlantic Continental Shelf and New York Bight,**

**Unit Date** November 1975

**Container** 1 (Box)

**Container** 53 (Volume)

### **Scope and Content**

Co-sponsored by: American Society of Limnology and Oceanography, Chesapeake Bay Institution, The Johns Hopkins University, MESA, New York Bight Project, NOAA, New York Sea Grant Institute

Abstracts

## **A Geochemical and Sedimentological Study of the Dredged Material Deposit in the New York Bight,**

**Unit Date** February 1981

**Container** 1 (Box)

**Container** 54 (Volume)

### **Scope and Content**

R. Dayal, M.G. Heaton, M. Fuhrmann, T.W. Duedall

NOAA Technical Memorandum OMPA-3

## **Distribution and Abundance of Benthic Organisms in the New York - New Jersey Outer Continental Shelf,**

**Unit Date** December 1977

**Container** 1 (Box)

**Container** 55 (Volume)

### **Scope and Content**

John Pearce, Janice Caracciolo, Martha Halsey, Leslie Rogers

NOAA Data Report ERL MESA-30

## **Oxygen Depletion and Associated Benthic Mortalities in New York Bight, 1976,**

**Unit Date** December 1979

**Container** 1 (Box)

**Container** 56 (Volume)

### **Scope and Content**

Editors: R. Lawrence Swanson, Carl J. Sindermann

NOAA Professional Paper 11

## **Analysis of Residual Chlorinated Hydrocarbons, Aromatic Hydrocarbons and Related Compounds in Selected Sources, Sinks, and Biota of the New York Bight,**

**Unit Date** May 1981

**Container** 1 (Box)

**Container** 57 (Volume)

### **Scope and Content**

William D. MacLeod, Jr., L. Scott Ramos, Andrew J. Friedman, Douglas G. Burrows, Patty G. Prohaska, David L. Fisher, Donald W. Brown

NOAA Technical Memorandum OMPA-6

## **Microbial Contributions to Organic Mineralization in the Waters and Sediments of the New York Bight,**

**Unit Date** August 1979

**Container** 1 (Box)

**Container** 58 (Volume)

### **Scope and Content**

Carol D. Litchfield

2 Copies; Final Report for 1977-1978 NOAA-MESA - New York Bight Studies Grant No. 04-07-022-44013

## **The Seasonal Maxima of 'Ceratium tripos' with Particular Reference to a Major New York Bight Bloom,**

**Unit Date** June 1978

**Container** 1 (Box)

**Container** 59 (Volume)

### **Scope and Content**

John B. Mahoney

2 Copies; Technical Series Report No. 16, PB-278 914

## **Oxygen Depletion and Associated Environmental Disturbances in the Middle Atlantic Bight in 1976 A Report Series on a Series of Interagency Workshops Held in November and December 1976,**

**Unit Date** February 1977

**Container** 2 (Box)

**Container** 1 (Volume)

### **Scope and Content**

U.S. DOC, NTIS

Bound report and on the spine - "The Anoxic Episode Workshop Final Report"; PB-287 956

## **Final Report on the IN SITU Bioremediation at the Victoria West Landfill,**

**Unit Date** 1990

**Container** 2 (Box)

**Container** 2 (Volume)

### **Scope and Content**

Report prepared by Carol D. Litchfield. Approved by David L. Wickerham

Report prepared by: Carol D. Litchfield, Approved by: David L. Wickersham

Archival folder; Includes a 34 pg executive summary with background and description of the experiment and three floppy disks of data

### **Effects of Toxicants on Plankton,**

**Unit Date** 1982

**Container** 2 (Box)

**Container** 3 (Volume)

#### **Scope and Content**

Gerald E. Walsh

Presented at the International Course on Environmental Toxicology, August 1982, at Heriot-Watt University in Edinburgh, Scotland.

### **Abstracts: Third International Symposium on Microbial Ecology, August 1983, Michigan State University,**

**Unit Date** August 1983

**Container** 2 (Box)

**Container** 4 (Volume)

#### **Scope and Content**

ASM

Section 1: Invited papers, Section 2: Contributed papers

### **Evaluation of an Automatic Technique for Counting Unicellular Organisms;**

**Unit Date** 1962

**Container** 2 (Box)

**Container** 5 (Volume)

#### **Scope and Content**

Sayed Z. El-Sayed

Final Report, Research Conducted Through the Texas A and M Research Foundation

### **A Guide to Air Quality Monitoring with Lichens,**

**Unit Date** 1973

**Container** 2 (Box)

**Container** 6 (Volume)

#### **Scope and Content**

William C. Denison

A guide in understanding and the ability to identify lichens and air quality at one or more sites

### **Symposium on the Recovery of Indicator Organisms Employing Membrane Filters**

**Unit Date** September 1977

**Container** 2 (Box)

**Container** 7 (Volume)

#### **Scope and Content**

Edited by: Robert H. Bordner, Clifford F. Frith, and John A. Winter

Book, EPA-600/9-77-024

### **Technical Support Services for Superfund Site Remediation, Interim Directory,**

**Unit Date** February 1990

**Container** 2 (Box)

**Container** 8 (Volume)

#### **Scope and Content**

EPA, Office of Solid Waste and Emergency Response

### **Engineered Organisms in the Environment,**

**Unit Date** 5-8 April 1988

**Container** 2 (Box)

**Container** 9 (Volume)

**Scope and Content**

Dr. Bernard Dixon

A 'lay summary' based on the FIRST INTERNATIONAL CONFERENCE ON THE RELEASE OF GENETICALLY ENGINEERED MICROORGANISMS (REGEM 1) held in Cardiff, UK

### **Laboratory Methods in Anaerobic Bacteriology,**

**Unit Date** 1977

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**Container** 10 (Volume)

**Scope and Content**

V.R. Dowell, Jr. and T.M. Hawkins

CDC Laboratory Manual

### **Anaerobe Laboratory Manual,**

**Unit Date** 1972

**Container** 2 (Box)

**Container** 11 (Volume)

**Scope and Content**

The Staff of the Anaerobe Laboratory Virginia Polytechnic Institute and State University  
Manual

### **Computers in Clinical Microbiology,**

**Unit Date** 1985

**Container** 2 (Box)

**Container** 12 (Volume)

**Scope and Content**

ASM

Manual; Manual prepared for training not designed as a computer manual for the diagnostic laboratory and should not be used as such.

### **Review and Evaluation of Available Techniques for Determining Persistence and Routes of Degradation of Chemical Substances in the Environment,**

**Unit Date** May 1975

**Container** 2 (Box)

**Container** 13 (Volume)

**Scope and Content**

P.H. Howard, J. Sexena, P.R. Durkin, L.-T. Ou

Final Report

### **Population Genetics of Bacteria,**

**Unit Date** 1995

**Container** 2 (Box)

**Container** 14 (Volume)

**Scope and Content**

Edited by: S. Baumberg, J.P.W. Young, E.M.H. Wellington, and J.R. Saunders

Fifty-Second Symposium of the Society for General Microbiology Held at the University of Leicester  
January 1995

### **Impact of the Use of Microorganisms on the Aquatic Environment,**

**Unit Date** January 1975

**Container** 2 (Box)

**Container** 15 (Volume)

#### **Scope and Content**

Edited by: Al W. Bourquin, Donald G. Ahearn, and Samuel P. Meyers

Contains the proceedings of a symposium-workshop sponsored by the EPA Gulf Breeze Environmental Research Laboratory to determine the possible impact of artificially introducing microbial insect control agents or oil-degrading agents into the aquatic environment

### **The Quantitative Relation between Rate of Photosynthesis and Chlorophyll Content in *Chlorella pyrenoidosa*,**

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**Unit Date** July 1990

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**Unit Date** June 1993

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**Unit Date** Undated

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### **Scope and Content**

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**Unit Date** 1993

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**Unit Date** October 1992

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### **Scope and Content**

National Ground Water Association

Proceedings of the conference

## **International Conference on Water and Wastewater Microbiology,**

**Unit Date** February 1988

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### **Scope and Content**

Sponsors: International Association on Water Pollution Research and Control, ASM, NSF, UC Berkely, UC Irvine, UCLA, Orange County Water District

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**Unit Date** 1976

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**Unit Date** September 1974

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**Unit Date** 1971

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### **Scope and Content**

David D. Smith and Robert P. Brown

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**Unit Date** 1977

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### **Scope and Content**

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## **Water Quality Data of the Delaware Estuary, Bay, and Selected Tributaries 1974,**

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### **Scope and Content**

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**Unit Date** August 1978

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### **Scope and Content**

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**Unit Date** August 1978

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**Unit Date** August 1973

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**Unit Date** March 1978

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**Scope and Content**

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Michael A. Champ

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**Unit Date** December 1982

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**Unit Date** May 1-21, 1987

**Container** 8 (Box)

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**Scope and Content**

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**Container** 8 (Box)

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**Scope and Content**

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**Scope and Content**

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**Unit Date** November 9-11, 1988

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The Association of Ground Water Scientists and Engineers, division of NWWA, and The American Petroleum Institute

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**Unit Date** November 17-19, 1987

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### **Scope and Content**

The Association of Ground Water Scientists and Engineers, division of NWWA, and The American Petroleum Institute

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## **Sixth National Symposium and Exposition on Aquifer Restoration and Ground Water Monitoring,**

**Unit Date** May 19-22, 1986

**Container** 8 (Box)

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### **Scope and Content**

NWWA, Robert S. Kerr Environmental Research Laboratory, and EPA

Proceedings of the symposium

## **Petroleum Hydrocarbons and Organic Chemicals in Ground Water: Prevention, Detection, and Restoration - A Conference and Exposition,**

**Unit Date** November 12-14, 1986

**Container** 8 (Box)

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### **Scope and Content**

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### **Scope and Content**

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**Unit Date** November 4-6, 1992

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### **Scope and Content**

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#### **Scope and Content**

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### **Limnology in Developing Countries,**

**Unit Date** 1995

**Container** 9 (Box)

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#### **Scope and Content**

Editors: Brij Gopal and Robert G. Wetzel

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#### **Scope and Content**

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### **Mycology Lab Outline,**

**Unit Date** Spring 1965

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#### **Scope and Content**

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**Unit Date** Undated

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### **Superfund '87,**

**Unit Date** November 16-18, 1987

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#### **Scope and Content**

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**Scope and Content**

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**Unit Date** May 1983

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**Unit Date** June 1992

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**Scope and Content**

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**Scope and Content**

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**Unit Date** September 1970

**Container** 10 (Box)

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**Scope and Content**

C.C. Delwiche

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**Scope and Content**

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**Unit Date** 1970

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### **Scope and Content**

Dr. C.G. Bookhout, Dr. Richard T. Barber, Mr. John G. Newton

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**Unit Date** 1973

**Container** 10 (Box)

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### **Scope and Content**

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**Unit Date** 1974

**Container** 10 (Box)

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### **Scope and Content**

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**Unit Date** 1973

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**Unit Date** September 1968

**Container** 10 (Box)

**Container** 28 (Volume)

### **Scope and Content**

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**Unit Date** 1978

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### **Scope and Content**

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### **Scope and Content**

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Biennial Report

## **Rapport D'Activite [Activity Report],**

**Unit Date** 1970

**Container** 10 (Box)

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### **Scope and Content**

Centre D'etudes et de Recheres de Biologie et D'Oceanographie Medicale (C.E.R.B.O.M.)  
Institut National de la Sante et de la Recherche Medicale, Nice

## **Rapport D'Activite [Activity Report],**

**Unit Date** 1971

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### **Scope and Content**

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## **Summary Report for Fiscal Years 1979 and 1980,**

**Unit Date** July 1982

**Container** 10 (Box)

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### **Scope and Content**

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**Unit Date** July 1983

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## **Annual NEMP Report of the Health of the Northeast Coastal Waters of the United States, 1981,**

**Unit Date** February 1983

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### **Scope and Content**

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## **The Japan Sea: A Literature Review,**

**Unit Date** December 1987

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### **Scope and Content**

Barbara Jacobs Dinkins

For E.I. du Pont de Nemours and Company

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### **Scope and Content**

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**Unit Date** July 1993

**Container** 10 (Box)

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### **Scope and Content**

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Evaluation Methods Manual; contains a letter to Dr. Litchfield

## **The Effect of Bioremediation on the Oil Spill of the Exxon Valdez in Alaska,**

**Unit Date** Fall 1994

**Container** 10 (Box)

**Container** 38 (Volume)

### **Scope and Content**

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## **LIA Meeting California Regional Water Quality Board,**

**Unit Date** January 1990

**Container** 10 (Box)

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Meeting proceedings (Raymond and Others Ref.)

## **Field Application of Subsurface Biodegradation of Gasoline in a Sand Formation,**

**Unit Date** August 1978

**Container** 10 (Box)

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### **Scope and Content**

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## **In Situ Bioremediation of Spills from Underground Storage Tanks: New Approaches for Site Characterization, Project Design, and Evaluation of Performance.**

**Unit Date** July 1989

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### **Scope and Content**

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**Unit Date** April 1990

**Container** 10 (Box)

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### **Scope and Content**

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Report

## **Treatment Technology for Removal of Dissolved Gasoline Components from Ground Water,**

**Unit Date** May 1983

**Container** 10 (Box)

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### **Scope and Content**

Prepared by: IT Enviroscience, Knoxville, TN  
Final Report Volume 1

## **Treatment Technology for Removal of Dissolved Gasoline Components from Ground Water,**

**Unit Date** May 1983

**Container** 10 (Box)

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### **Scope and Content**

Prepared by: IT Enviroscience, Knoxville, TN  
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**Unit Date** June 1962

**Container** 10 (Box)

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### **Scope and Content**

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**Unit Date** 1976

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### **Scope and Content**

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**Unit Date** October 1980

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### **Scope and Content**

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**Unit Date** March 1983

**Container** 11 (Box)

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### **Scope and Content**

Prepared by: Paul M. Yaniga

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### **Scope and Content**

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Study

## **Human Viruses in the Aquatic Environment: A Status Report With Emphasis on the EPA Research Program,**

**Unit Date** December 1978

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### **Scope and Content**

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**Unit Date** September 1975

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### **Scope and Content**

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**Unit Date** June 1977

**Container** 11 (Box)

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### **Scope and Content**

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### **Scope and Content**

Anthony L. Pacheco

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## **Synoptic Investigation of Nutrient Cycling in the Coastal Plume of the Hudson and Raritan Rivers: Plankton Dynamics,**

**Unit Date** August 1982

**Container** 11 (Box)

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### **Scope and Content**

Thomas C. Malone, Mira B. Chervin, C. Garside, Carol D. Litchfield, Jeanne C. Stepien, and J.P. Thomas

Attached is a letter to Dr. Garry F. Mayer from Thomas C. More

## **Distribution of the Standing Crop of Total Net Plankton Off the Texas Coast,**

**Unit Date** September 1955

**Container** 11 (Box)

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### **Scope and Content**

Kenneth H. Drummond and Jerome E. Stein

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### **Scope and Content**

Russel W. Peterson and H. Guyford Stever

Report of the Committee on Ecological Research

## **Coastal Resource and Development Policies,**

**Unit Date** April 1982

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### **Scope and Content**

Prepared by: State of New Jersey Department of Environmental Protection Division of Coastal Resources  
Bureau of Coastal Planning and Development

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## **Sewage Effects in Marine and Estuarine Environments,**

**Unit Date** May 1975

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### **Scope and Content**

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**Assessment of Alternatives for Beach Nourishment: at Southern Recreation Beaches, Sandy Hook Unit, Gateway National Recreation Area,**

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