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Nota di contenuto	Intro -- HARMFUL ALGAL BLOOMS - IMPACT AND RESPONSE -- HARMFUL ALGAL BLOOMS - IMPACT AND RESPONSE -- CONTENTS -- PREFACE -- Chapter 1 HARMFUL ALGAL BLOOM MANAGEMENT AND RESPONSE: ASSESSMENT AND PLAN -- ACKNOWLEDGEMENTS -- LIST OF ACRONYMS -- EXECUTIVE SUMMARY -- The HAB Problem -- Legislative Background -- U.S. Prediction and Response Efforts: Accomplishments and Opportunities for Advancement -- RDDTT Plan -- 1. LEGISLATIVE BACKGROUND AND PURPOSE OF THIS REPORT -- 2. ASSESSMENT OF THE HAB PROBLEM AND DEFINITIONS -- What Are Harmful Algal Blooms? -- What Causes Harmful Algal Blooms? -- Impacts of HABs -- Human Health -- Exposure through ingestion -- Exposure through contact or inhalation -- Minimizing human impacts -- Ecosystem Impacts -- Economic Impacts -- Sociocultural Impacts -- What is Meant by Prevention, Control, Mitigation, and Infrastructure for HABs? -- Prevention -- Control -- Mitigation -- Infrastructure -- Toxin-related infrastructure -- Reference material infrastructure -- Observing systems -- Regional centers/shared facilities -- Education and training -- Outreach -- 3. PREDICTION AND RESPONSE PROGRAMS IN THE UNITED STATES -- Accomplishments of Federal Programs -- Prevention -- Control -- Mitigation -- Prediction -- Monitoring -- Rapid Response to HAB Events -- Impact Assessments -- Public Health Measures --

Infrastructure -- Cooperation/Coordination -- 4. OPPORTUNITIES FOR ADVANCEMENT -- (1) Approaches for Improving Prediction and Response Identified by Federal Agencies -- A. HAB infrastructure development -- B. Research on Prevention, Control and Mitigation Strategies that would enhance current prediction and response efforts -- C. Impact assessments, social science approaches, and public and wildlife health surveillance in HAB response that would enhance current prediction and response efforts.

D. Make Event Response Programs more Effective, Particularly as Numbers and Severity of Events Increase -- (2) Priorities to Improve Prediction and Response Efforts Identified in HARRNESS[4] -- Prediction and Response-Specific Recommendations from HARRNESS[4]: -- Reference materials and data management -- Human and Animal Health -- Controls, Monitoring, Prediction, and Mitigation -- Training, Education, and Outreach -- (3) Focus Areas Identified in Response to the Federal Register Notice -- Public Comment Summary -- HAB Detection in the Field Needs More Focus -- Wildlife Monitoring and Illness Surveillance Needs More Attention -- Role of Overfishing Not Recognized Sufficiently -- Role of Nutrients and Nutrient Form Needs More Attention -- Information on Economic Estimates of Prediction and Response Lacking -- Suggestions to Improve Coordination -- Suggestions to Advance Event Response Programs -- More Emphasis on Human Dimensions Needed in Report -- Importance of Integrating Social Sciences into the RDDTT Plan -- Fisheries Regulations in Federal Waters Need Assessment -- 5. RDDTT PLAN -- 5.A. Overview -- 5.B. Process for Developing the RDDTT Plan -- 5.C. Three Strategies for Improving HAB Prediction and Response -- 5.C.1. PCM Development, demonstration, and technology transfer strategies -- 5.C.2. Improvement strategies for event response -- 5.C.3. Improvement strategies for infrastructure -- 5.C.3.a. Priorities for improved infrastructure -- Analytical, Reference, and Research Materials -- Training -- Monitoring and Emerging Observational Programs -- Communication and Networking -- 5.C.3.b. Coordinated regional infrastructure network -- 5.D. The Role of Existing HAB Programs for RDDTT -- 5.E. Benefits of Implementing the RDDTT Plan -- REFERENCES -- APPENDIX I. FEDERAL PREDICTION AND RESPONSE PROGRAMS -- A. Multi-agency Efforts.

1. Centers for oceans and human health -- 2. Ecology and oceanography of harmful algal blooms program -- 3. Small business innovation research program -- B. Federal Agency Efforts -- 1. U.S. department of agriculture -- USDA intramural -- USDA Extramural -- 2.U.S. Department of Commerce -- 2.1. National oceanic and atmospheric administration (NOAA) -- 2.1.1. NOAA extramural -- 2.1.1.1. Cooperative Institute for Coastal and Estuarine Environmental Technology -- 2.1.1.2. National Marine Fisheries Service (NMFS) -- Marine Mammal Health and Stranding Response Program -- NMFS Regional Offices -- 2.1.1.3. National Ocean Service -- 2.1.1.3.1. Oceans and Human Health Initiative. -- 2.1.1.3.2. National Centers for Coastal Ocean Science. Center for Sponsored Coastal Ocean Research (CSCOR) -- 2.1.1.4. Office of Ocean and Atmospheric Research -- 2.1.2. NOAA Intramural -- 2.1.2.1. Oceans and Human Health Initiative Centers of Excellence -- 2.1.2.2. National Environmental Satellite, Data, and Information Service -- National Oceanographic Data Center. -- 2.1.2.3 National Marine Fisheries Service -- 2.1.2.3.1. NOAA Fisheries Science Centers -- 2.1.2.3.2. Marine Mammal Health and Stranding Response Program -- 2.1.2.4. National Ocean Service -- 2.1.2.4.1. National Centers for Coastal Ocean Science Center -- 2.1.2.4.1.1. NCCOS Center for Coastal Monitoring and Assessment -- 2.1.2.4.1.2.

NCCOS Center for Coastal Environmental Health and Biomolecular Research/ Hollings Marine Lab -- 2.1.2.4.1.3. NCCOS Center for Coastal Fisheries and Habitat Research -- 2.1.2.4.2. National Marine Sanctuaries -- 2.1.2.5. Office of Ocean and Atmospheric Research -- 2.1.2.5.1. Atlantic Oceanographic and Meteorological Laboratory -- 2.1.2.5.2. Great Lakes Environmental Research Laboratory -- 2.2. National Institute of Standards and Technology -- 3. U.S. Department of Defense.

3.1. United States Army Medical Research Institute of Infectious Diseases -- USAMRIID Intramural -- 4. U.S. Department of Health and Human Services 4.1. Centers for Disease Control and Prevention -- CDC Extramural -- CDC Intramural -- 4.2. U.S. Food and Drug Administration -- FDA Intramural -- Center for Food Safety and Applied Nutrition -- 4.3 National Institute of Environmental Health Sciences -- NIEHS Extramural -- 5. U.S. Department of the Interior -- 5.1 U.S. Fish and Wildlife Service -- USFWS intramural -- 5.2 U.S.

Geological Survey -- USGS Intramural -- 6. U.S. Environmental Protection Agency -- EPA extramural -- EPA intramural -- 7. National Aeronautics and Space Administration -- NASA Extramural -- 8.

National Science Foundation -- NSF Extramural -- APPENDIX II. OTHER NATIONAL PROGRAMS -- National Office for Marine Biotoxins and Harmful Algal Blooms at Woods Hole Oceanographic Institution -- National HAB Committee (NHC) -- The National Water Quality Monitoring Council -- The Working Group on Unusual Marine Mammal Mortality Events (WGUMME). -- Interstate Shellfish Sanitary Conference -- U.S. Integrated Earth Observing System and U.S. Integrated Ocean Observing System -- APPENDIX III. STATE, LOCAL, AND TRIBAL PREDICTION AND RESPONSE EFFORTS -- APPENDIX IV. INTERNATIONAL PROGRAMS RELATED TO HAB PREDICTION AND RESPONSE -- AOAC (Association of Official Analytical Chemists) Marine and Freshwater Toxins Task Force -- GEOHAB (Global Ecology and Oceanography of Harmful Algal Blooms) -- GEF (The Global Environmental Facility) -- The Global Ocean Observing System (GOOS) -- IAEA (International Atomic Energy Agency) -- IOC (Intergovernmental Oceanographic Commission) HAB Programme -- ISSHA (International Society for the Study of Harmful Algae) -- PICES (North Pacific Marine Science Organization) HAB Section.

ICES (International Council for the Exploration of the Sea) -- APPENDIX

V. FEDERAL REGISTER NOTICE -- Office of Science and Technology Policy -- Draft National Assessment of Efforts to Predict and Respond to Harmful Algal Blooms in U.S. Waters -- APPENDIX VI. RDDTT WORKSHOP STEERING COMMITTEE -- Chapter 2 HARMFUL ALGAL BLOOMS HEARING- ANDERSON TESTIMONY -- HEARING ON HARMFUL ALGAL BLOOMS: THE CHALLENGES ON THE NATION'S COASTLINES (JULY 10, 2008) -- Background -- Distribution of HAB Phenomena in the United States -- Economic and Societal Impacts -- Recent Trends

-- PROGRESS AND STATUS OF OUR NATIONAL PROGRAM ON HABS -- Research and Management Progress -- Enhanced Understanding of HAB Dynamics -- Improved monitoring and detection of HAB cells and toxins -- Prediction and forecasting of HABs -- Mitigation and control strategies -- PROGRAMMATIC NEEDS -- A National Program on Prevention, Control and Mitigation of HABs -- SUMMARY AND RECOMMENDATIONS -- Recommendations -- ANNEX 1. EXECUTIVE SUMMARY - THE HARMFUL ALGAL BLOOM RESEARCH, DEVELOPMENT, DEMONSTRATION AND TECHNOLOGY TRANSFER PROGRAM -- Harmful Algal Bloom Research, Development, Demonstration and Technology Transfer Workshop Report -- EXECUTIVE SUMMARY -- Background -- Process for Developing the RDDTT Program -- Prevention, Control, and

Mitigation (PCM) Development, Demonstration, and Technology Transfer -- Event Response -- CORE Infrastructure -- RDDTT Program Implementation -- Benefits of RDDTT Implementation -- REFERENCES -- Chapter 3 HARMFUL ALGAL BLOOMS HEARING- MAGNIEN TESTIMONY -- INTRODUCTION -- HAB PROBLEM -- NOAA HAB Programs -- Accomplishments Since 1998 -- FUTURE DIRECTIONS AND CHALLENGES -- CONCLUSION -- End Notes -- Chapter 4 REDUCING HARMFUL ALGAL BLOOMS AND IMPACTS -- LIST OF ACRONYMS -- EXECUTIVE SUMMARY -- Background -- Process for Developing the RDDTT Plan.
Prevention, Control and Mitigation (PCM).
