

CHAPTER 6 – COMPLIANCE WITH FEDERAL ENVIRONMENTAL STATUTES AND EXECUTIVE ORDERS/MEMORANDUM

This chapter describes the federal laws, regulations, and programs that are relevant to the designation of open-water dredged material disposal sites in Long Island Sound. Chapter 1, Section 1.2 also addresses the legal requirements of the CWA and the MPRSA.

Federal Statutes

1. American Indian Religious Freedom Act of 1978, 42 U.S.C. 1996.

Compliance: Consultation with the Indian tribes that may be affected by the proposed action in order to ensure that the action does not interfere with their rights to traditional religious practices will take place during the development and review of this DEIS.

2. Clean Air Act, as amended, U.S.C. 7401 *et seq.*

Compliance: The “general conformity” requirements of Section 176(c)(1) of the Clean Air Act, 42 U.S.C. § 7506(c)(1), may apply to the designation of a dredged material disposal site. Such a designation produces no emission, however, and therefore would clearly satisfy the general conformity requirement. It should also be noted that the future authorizations of specific dredging and dredged material disposal projects by the Corps would be evaluated under the general conformity requirements of Section 176(c)(1) of the Clean Air Act since these projects would actually produce air emissions. “Conformity” would be evaluated on a project-specific basis for these projects. At the same time, however, some such projects might satisfy the conformity requirements pursuant to one of the specific exemptions stated in EPA’s regulations. *See* 40 CFR § 51.853(c)(ix).

3. Clean Water Act, as amended, 33 U.S.C. 1251 *et seq.*

Compliance: The Clean Water Act does not apply specifically to an EPA designation of a long-term dredged material disposal site under the MPRSA. Future non-Federal projects involving the open-water disposal of less than 25,000 cubic yards (19,114 cubic meters) of dredged material will require a Section 404 permit under this Act. A State Water Quality Certification pursuant to Section 401 of CWA will also be required. (See Section 1.2.1 and Section 1.2.4.) Federal projects or non-Federal projects involving more than 25,000 cubic yards (19,114 cubic meters) of material will also need to satisfy the standards of Section 404 of the Clean Water Act and be subject to the Section 401 Certification process.

4. Coastal Zone Management Act of 1972, as amended, 16 U.S.C. 1431 *et seq.*

Compliance: A CZM consistency determination shall be provided for review and concurrence that the proposed action is “consistent to the maximum extent practicable with the enforceable policies of [the] approved State CZM programs” 16 U.S.C. § 1456 (c)(1)(A).

5. Endangered Species Act of 1973, as amended, 16 U.S.C. 1531 *et seq.*

Compliance: The project is being coordinated with the NMFS and the USFWS to determine whether any endangered or threatened species under their respective jurisdictions, or critical habitat of such species may be affected by the project, and whether there will be any requirement for formal consultation pursuant to Section 7 of this Act.

6. Estuary Protection Act, 16 U.S.C. 1221 *et seq.*

Compliance: Estuaries, their natural resources, and their importance for commercial and industrial development, have been considered in evaluating alternative courses of action in this DEIS. In addition, this project is being coordinated with the National Estuary Program for Long Island Sound.

7. Fish and Wildlife Coordination Act, as amended, 16 U.S.C. 661 *et seq.*

Compliance: The NMFS, the USFWS, and the fish and wildlife agencies of Connecticut and New York have been consulted and their recommendations have been included in this DEIS. Also, when possible, their recommendations will be incorporated into the final action.

8. Magnuson-Stevens Fishery Conservation and Management Act, as amended, 16 U.S.C. 1801 *et seq.*

Compliance: EPA has coordinated with the NMFS and preparation of an Essential Fish Habitat Assessment in compliance with the Act. EPA will also either include any conservation recommendations from NMFS in its final action or explain why it has not done so.

9. Marine Mammal Protection Act of 1972, 16 U.S.C. 1361.

Compliance: This action is being coordinated with the NMFS and the USFWS to determine whether any marine mammals under their respective jurisdictions may be affected by the project.

10. Marine Protection, Research, and Sanctuaries Act of 1972, as amended, 33 U.S.C. 1401 *et seq.*

Compliance: Pursuant to MPRSA §102, EPA promulgated criteria to guide the selection of open-water disposal sites. These criteria are set forth at 40 CFR Part 228. These criteria

were followed in evaluating the potential designation of open-water disposal sites. The requirements of this Act are discussed more fully in Chapter 1 of this DEIS.

11. National Environmental Policy Act of 1969, as amended, 42 U.S.C. 4321 *et seq.*

Compliance: NEPA does not apply to this action, as discussed in Chapter 1. EPA is preparing this DEIS, however, consistent with EPA's voluntary NEPA Policy. This is discussed more fully in Chapter 1 of this DEIS.

12. National Historic Preservation Act of 1966, 16 U.S.C. 470.

Compliance: The project was coordinated with the State Historic Preservation Offices in Connecticut and New York and it was determined that no historic property would be affected by the proposed project. The basis for this determination is explained in the DEIS. In addition, EPA consulted with Federal Historic Preservation Officers and interested Indian tribes regarding possible effects on historic/archaeological resources.

**13. Native American Graves Protection and Repatriation Act (NAGPRA),
25 U.S.C. 3002.**

Compliance: This statute should not be triggered by this action because (a) no human remains or objects will be found during this action, which involves designating open-water sites for potential future disposal of dredged material, (b) this action will not take place on either federal or Indian lands. In any event, interested Indian tribes were consulted with in the consideration of alternative courses of action for this DEIS.

14. Preservation of Historic and Archaeological Data Act of 1974, 16 U.S.C. 469.

Compliance: The chance of this action leading to future damage to resources covered by this Act was considered and there is no expectation that this project will damage archeological, historic, scientific, or prehistoric data. If there is an unexpected discovery of data covered by this act, EPA will notify the National Park Service Departmental Consulting Archaeologist.

Executive Orders

**1. Executive Order 11593, Protection and Enhancement of the Cultural Environment,
13 May 1971.**

Compliance: This Order has been incorporated into the National Historic Preservation Act of 1980. Coordination with the State Historic Preservation Offices in the states of Connecticut and New York signifies compliance with this Order.

2. Executive Order 13175, Consultation and Coordination with Indian Tribal Governments, 6 November 2000.

Compliance: Coordination and consultation with the Indian Tribal Governments with an interest in the study area signifies compliance.

3. Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, 11 February 1994.

Compliance: This DEIS has evaluated the potential adverse risks to human health this project poses to minority and low income populations and found that there are no expected disproportionately high and adverse health or environmental effects to these populations.

4. Executive Order 13045, Protection of Children from Environmental Health Risks and Safety Risks, 21 April 1997.

Compliance: This DEIS has evaluated the potential adverse risks to children's health and found that there are no expected disproportionately high, adverse health or safety threats to children from this action.

5. Executive Order 12962, Recreational Fisheries, 9 June 1995.

Compliance: This DEIS has considered the goals of this executive order and the project is not expected to have disproportionately high or adverse effects on recreational fisheries.

6. Executive Order 13158, Marine Protected Areas.

Compliance: EPA has considered the location of any "marine protected areas" in considering alternative courses of action for this project. The action will avoid harm to the natural and cultural resources protected by any designated marine protected areas.

Executive Memorandum

1. White House Memorandum, Government-to-Government Relations with Indian Tribes, 29 April 1994.

Compliance: Consultation with the federally recognized Indian Tribes signifies compliance.

CHAPTER 7 - PUBLIC INVOLVEMENT

7.1 Introduction

As stated in Chapter 1, this DEIS is being prepared consistent with the requirements of the NEPA and EPA's voluntary NEPA compliance policy. Section 102 of NEPA (42 USC § 4332) states:

“Copies of such statement and the comments and views of the appropriate Federal, State, and local agencies, which are authorized to develop and enforce environmental standards, *shall be made available* to the President, the Council on Environmental Quality and *to the public* as provided by section 552 of title 5, United States Code, and shall accompany the proposal through the existing agency review processes (italics added).”

Federal regulations that guide compliance with NEPA by the EPA (40 CFR Parts 6 and 25), the Corps (33 CFR Part 230), and the CEQ (40 CFR 1500 *et seq.*) are more explicit in their requirements for public involvement throughout the EIS process.

This DEIS also addresses requirements of the MPRSA and the CWA, both of which include provisions for public involvement, and other federal agency policies and agreements established over the history of dredged material management in Long Island Sound.

The Long Island Sound region has a long and rich history of public involvement and participation in environmental decision-making. In keeping with this tradition, and to satisfy the numerous statutory and regulatory requirements to which this proposed action is subject, EPA and the Corps have conducted an extensive public involvement program throughout the development of the DEIS. The agencies established a “Working Group” comprised of stakeholders from the Long Island Sound region and they held numerous public meetings and workshops to provide the public with information on the EIS process, the results of studies conducted in support of the DEIS, and to give the public ample opportunity to provide input on the process and substance of the NEPA document. The following sections describe in detail the elements of the EPA/Corps public involvement program.

7.2 Major Public Involvement Activities

7.2.1 Notice of Intent and Public Announcement

EPA published a Notice of Intent to prepare an EIS to consider the potential designation of one or more open-water dredged material disposal sites in Long Island Sound in the Federal Register on June 3, 1999 and mailed it to approximately 7000 interested parties registered on the Long Island Sound EIS mailing list. The Notice of Intent outlined the project and gave notification of the public “Scoping” meetings (described below).

On March 27, 2002, EPA and the Corps published an Environmental News Notice on the modification of the ZSF. This notice informed the public that this DEIS would focus on sites

in western and central Long Island Sound. Consideration of one or more dredged material disposal sites in eastern Long Island Sound would be the subject of a Supplemental EIS.

7.2.2 Public Scoping Meetings

Scoping is the process through which federal agencies responsible for the development of an EIS determine the scope of the project, including the range of alternative actions that also may meet the purpose of and need for the proposed action; the projected area extent and range of potential impacts resulting from the proposed and alternative actions; and the studies necessary to determine the extent of potential impacts resulting from these actions. Public scoping meetings were held on June 15, 1999 in Port Jefferson, New York; June 16, 1999 in Stratford, Connecticut; and June 23, 1999 in Groton, Connecticut to inform the public about the project; explain the respective roles of the two lead agencies, other cooperating or coordinating federal, state, and tribal agencies, and the public; and to request comments on the draft scope of work for the EIS and related studies (see recorded Public Scoping notes Appendix A). The Scoping meetings also were used to identify and record public concerns, issues, and environmental considerations for potential examination and analysis in the DEIS. Approximately one hundred and thirty people attended the three public Scoping meetings.

7.2.3 Public Workshops

Two series of public workshops were conducted in October 1999 and April 2000 to discuss and seek public input on the development of the EIS. Workshop topics included the identification of dredged material disposal alternatives, the evaluation criteria used to screen alternative sites, the process of screening and evaluating disposal sites, and a review of existing data and data collection needs. Workshop notices and fact sheets on issues to be discussed at the workshops were sent to the 700+ interested parties on the Long Island Sound EIS mailing list.

The first two workshops were held on October 12, 1999 in Port Jefferson, New York, and October 13, 1999 in Stratford, Connecticut (USACE, 2000a; Appendix A-3). These workshops used small group discussions to solicit public input on dredging needs and alternatives, the site screening process, data review, and recommendations and evaluation factors for site screening. Thirty-six individuals attended the Port Jefferson, New York workshop, and forty-nine individuals registered for the Stratford, Connecticut workshop.

Two more workshops were held on April 11, 2000 in Port Jefferson, New York, and April 12, 2000, in Groton, Connecticut to provide an update on the status of the EIS Work Plan, field work accomplished to date and future field work plans, and the alternatives screening process using the weights and values for the evaluations factors. Following presentations on these issues, breakout groups were used to solicit feedback from the public. Thirty-nine individuals attended the Port Jefferson, New York workshop, and seventy-four individuals registered for the Groton, Connecticut workshop (see *Workshop Proceedings April 2000*, Appendix A-3; USACE, 2000b).

7.2.4 Working Group Meetings

A volunteer public Working Group was formed in 2000 and is made up of 35 people who represent the marine industry, boaters, environmental groups, fishing interests, local towns, and individuals. The group met five times during the development of the DEIS. The meetings were arranged using an open forum discussion, and all who were interested were welcome (A list of the original members can be found in the report *Working Group Meeting #1* in Appendix A-3; USACE, 2000c). However, as the meetings progressed, others became interested and a list of attendees to each meeting can be found in the various meeting reports (Working Group Meetings #1 to #5 Appendix A-3).

The first Working Group meeting was held on July 19, 2000 in Old Lyme, Connecticut. Meeting topics included discussion of the economic and environmental approach used in developing the DEIS (see *Working Group Meeting #1 Report*, Appendix A-3; USACE, 2000c). Twenty-seven individuals were present, including contractor support and federal agency personnel.

The second Working Group meeting took place on April 26, 2001 in Bridgeport, Connecticut. Meeting topics included discussion of completed field work. This included presentations of field studies for lobster, fish, and benthic resources, fishing activities, upland disposal alternatives, Geographic Information System (GIS) meta databases, dredging needs and economic analyses (see *Working Group Meeting #2*, Appendix A-3; USACE, 2001a). Thirty-three individuals attended this meeting, including contractor support and federal agency personnel.

The third Working Group meeting was held on March 5, 2002, in Port Jefferson, New York. Meeting topics included discussion of field reports, specifically the field data and dates the reports would be published (see *Work Group Meeting #3*, Appendix A-3; USACE, 2002a). Thirty-three individuals attended, including contractor support and federal agency personnel.

The fourth Working Group meeting was held on July 24, 2002, in Bridgeport, Connecticut. Meeting topics included discussion of site screening criteria, the alternative site field sampling program, status of the project and next steps (see *Work Group Meeting Bridgeport, Connecticut July 24, 2002*, Appendix A-3; USACE, 2002b). Forty-four people attended, including contractor support and federal agency personnel.

The fifth Working Group meeting was held November 20, 2002 in Stamford, Connecticut. Meeting topics included discussion of the results of the field work at the alternative sites, progress update, and next steps (see *Working Group Meeting Stamford, Connecticut, November 20, 2002*, Appendix A-3; USACE, 2003a). Twenty-nine people were in attendance, including contractor support and federal agency personnel.

7.2.5 Interagency Meetings

During development of the DEIS, the Corps and EPA met at various points and significant stages during the process to receive input from the federal and state agencies. Conference calls also took place at various points in the process. An overview of these meetings and

conference calls is provided below. In addition, to the meetings and conference calls outlined below communication between the cooperating agencies, the Corps and EPA were on going throughout the process, by e-mail and telephone.

A Federal/State Interagency Coordination Meeting was held on March 12, 1999 at the CTDEP in Hartford, Connecticut. Participants included EPA New England, the Corps New England District, NMFS, New York State Department of Conservation, CTDEP, and contractors. The purpose of this meeting was to discuss the overall history of disposal of dredged material in Long Island Sound, the current site designation process, an overview of the MPRSA Section 103 authority, the 1998 Corps/EPA Letter of Agreement, and initiation of EIS scoping, which included possible studies required and data gaps.

A pre-scoping meeting was held on June 9, 1999 at EPA New England office. Participants included EPA New England and Region 2, the Corps, CTDEP, and NYSDOC (by phone), and facilitator (contractor). The purpose of this meeting was to discuss the logistics and content of anticipated Scoping meetings that were held in New York and Connecticut

An interagency meeting was held at the NMFS on September 1, 1999. Attendees included EPA New England and Region 2, the Corps, NMFS, CTDEP, NYSDEC, and NYDOS. The purpose of this meeting was to discuss the breadth of the existing fisheries data for Long Island Sound, define sampling designs for sediments and benthos (tissue and populations) for the field sampling at the four existing dredged material disposal sites of WLIS, CLIS, Corn Field Shoals Disposal Site, and the New London Disposal Site and, to discuss future fishery sampling events. Sampling protocols were discussed, as well as proposals for locations of samples at and near the existing sites. Agencies were asked about the presence of existing data, known data gaps, essential fish habitats, and, any data that may assist in identifying alternative sites.

On February 1, 2000 an interagency meeting was held at the CTDEP offices in Hartford, Connecticut. Attendees included EPA New England and Region 2, the Corps, NMFS, CTDEP, NYSDEC, NYDOS, Rhode Island Department of Environmental Management (RIDEM), and contractors. The purpose of this meeting was to obtain consensus on the ZSF to be used for evaluating alternatives dredged material disposal sites; to present and discuss a proposed approach for evaluating alternatives, including methods for screening sites; and obtain input and feedback from the agencies. (Factsheets 1999 – *Site Screening Process, Evaluation Factors Scoring Example, Evaluation Factors For Site Screening*, Appendix A)

A conference call was held on March 7, 2000 to receive input from the agencies on field sampling for the summer of 2000, specifically, the tissue and resource sampling program for lobsters, benthos, and fish for the four existing sites. Participants included EPA New England and Region 2, the Corps, CTDEP, NYSDEC, and contractors. Topics discussed included number of samples to be taken, sample locations, analytes to be tested, and existing available information that would assist in developing the sampling program.

On July 27, 2000, the Corps met with representatives from various CTDEP Divisions (Waste, Enforcement, Permitting, Remediation, and Water), at CTDEP offices in Hartford,

Connecticut. The purpose of this meeting was to discuss information those departments had regarding landfills, potential habitat creation areas, potential restoration/remediation sites, brownfield areas, or other areas that could benefit from dredged materials, now or in the future. This information would be incorporated into the EIS regarding potential non-open-water dredged material disposal alternatives.

On March 8, 2002, a meeting was held at the Corps' New England District offices in Concord, Massachusetts to discuss the modification to the ZSF. Attendees included EPA New England and Region 2 (by phone), the Corps, and NMFS. Based on ecological and geographical considerations, the participants determined that the ZSF should include the western and central basins of the Sound, with the eastern portions of the Sound to be analyzed at a later date.

An interagency meeting was held on May 16, 2002 at the CTDEP offices in Hartford, Connecticut. Attendees included EPA New England and Region 2, the Corps, NMFS, CTDEP, NYSDEC, NYSDOS, and contractors. The purpose of this meeting was to update the agencies on the overall status of the EIS, present an overview of the ZSF modification, and to conduct site screening. The agencies agreed to evaluate data needs for lobsters, benthic community structure, site chemistry sediment toxicity, and amounts of dredged materials previously disposed of at these sites, and obtain GIS compatible resource data.

A conference call was held on June 19, 2002 with the Corps, EPA New England, NMFS, CTDEP, NYSDOC and contractors. The purpose of this call was to discuss field sampling efforts for the alternative sites, of Milford and Bridgeport, and, to follow up with the state of New York on any available resource data in their waters. Discussions focused on appropriate methods for querying commercial lobster fishers to determine use of the areas, use of CTDEP trawl data, toxicity testing, side scan sonar surveys, sediment profile imaging, sampling locations, and number of samples.

A conference call was held on January 21, 2003. Participants included the Corps, EPA New England, and CTDEP. The purpose of the call was to provide an update on the overall EIS schedule, upcoming anticipated reviews that would be required by the agencies, as well as upcoming meetings.

In addition to the meetings discussed above and as directed under Section 106 of the National Historic Preservation Act and NEPA, the Tribal nations of Eastern Pequot Tribe, Mashantucket Pequot Tribal Nation, Mohegan Tribe, and the Narragansett Indian Tribe were contacted to participate in the EIS process. Under NEPA a Tribe may be recognized as a cooperating agency if the Tribe has any special expertise concerning the project. The Eastern Pequot Tribal Nation and the Narragansett Indian Tribe have responded that as several of the proposed sites fall within their aboriginal territories, they may be able to provide special expertise pertaining to historic and cultural resources. The Mashantucket Pequot Tribe, Mohegan Tribe, and Wampanoag Tribe of Gay Head (Aquinnah) have not responded to this request for cooperating agency status. However, they as well as all Tribal members involved in the EIS, will be considered as interested parties throughout the process and will provide review comments and expertise.

7.3 Distribution Outlets

There were various avenues used to distribute information to the general public, the Working Group, Federal and state agencies, the Tribes and other interested parties. These included, but were not limited to, mailing lists, e-mails, notices, websites, media, and the Long Island Sound Study Citizens Advisory Committee. A description is provided below of how information was dispersed and to whom, during the development of this DEIS.

The mailing list is made up of approximately 700 people and has 7 different categories; general notification; marine interests to include marina owners, marine industries, dredging companies, and consultants; press; state and federal agencies and Tribes; stakeholders or people who contacted EPA and the Corps; local cities and towns; and, people who commented early in the process. This mailing list was gathered in 1999 from various sources such as websites, state and federal agency mailing lists, environmental mailing lists, the Long Island Sound Study mailing list, industry mailing lists, and others. The list was added to, changed and maintained by people and organizations contacting either EPA or the Corps on their name and address changes. This mailing list was used to send out the Notice of Intent, workshop announcements, Environmental News notice, and Notice of Availability of this DEIS.

The June 3, 1999, Notice of Intent and the workshop announcement were mailed to approximately 700 people or organizations. The October 1999 and April 2000 Workshop announcements with fact sheets were mailed to approximately 700 people who were registered on the full mailing list as interested parties. In March of 2002 an Environmental News Notice on the modification of the Zone of Siting Feasibility was sent to approximately 3000 interested parties with a specific affiliation. The Notice of Availability for this DEIS was sent to approximately 700 names and addresses.

E-mail was the most common form of communication during this process, particularly for the Working Group. Working Group members were notified by e-mail of upcoming meetings, and might have included agendas, presentations, and any follow-up after meetings. The e-mail address list consists of original Working Group members and others who contacted EPA or the Corps with their e-mail address. This list is made up of at least 75 names. Communication between meetings was also done by e-mail. In cases where a Working Group member did not have e-mail, paper copies of the e-mail notice were mailed, along with any attachments accompanying the notice (fact sheets, agendas, meeting notes). At times a follow-up phone call was made to Working Group members, depending on the time frame or substance of the meeting.

EPA developed a public website (<http://www.epa.gov/region01/eco/lisdreg/index.html>) where all reports, meeting notes, and any documentation develop during this EIS process are posted.

Press releases were sent to the media at various milestones during this project such as the publication of the Notice of Intent, workshops, field work, research, narrowing of the focus of this EIS, and at other important milestones.

The Long Island Sound Study has a Citizens Advisory Committee that meets four times a year. The Citizens Advisory Committee has a Sediment Focus Group sub-committee, which meets after the regular Citizens Advisory Committee meeting and has conference calls every two months. An EPA employee attended all of the Citizens Advisory Committee meetings and engaged in the Sediment Focus Group sub-committees. In addition, the Long Island Sound Study has a newsletter that is sent to over 4,000 households or business. An update article on the development of this EIS was published every quarter from 1999 to 2002.

7.4 List of EIS Repositories

<p>MR. Frank Aiello, Executive Director New Haven Free Public Library 133 Elm Street New Haven, CT 06510-2057 (302) 946-8130</p>	<p>Ms. Estherine C. Bonanno, Library Director Port Jefferson Free Library 100 Thompson Street Port Jefferson, NY 11777 (631) 473-0022</p>
<p>Ms. Marsha Stuart New London Public Library 63 Huntington Street New London, CT 06320-6194 (860) 447-1411</p>	<p>Ms. Janet Crozier, Executive Director Acton Public Library 60 Old Boston Post Road Old Saybrook, CT 06475-2200 (860) 395-3184</p>
<p>Mr. Steve Kwaznik Bridgeport Public Library 925 Broad Street Bridgeport, CT 06604-4871 (203) 576-7777</p>	<p>Ms. Joan Grott, Library Director Mamaroneck Public Library Inc. 136 Prospect Ave. Mamaroneck, NY 10543 (914) 698-1250</p>
<p>Ms. Xiaomei Gong Information Service Supervisor Ferguson Library 1 Public Library Plaza Stamford, CT 06904 (203) 964-1000</p>	<p>Ms. Judy Rivas, Head of Reference Services Norwalk Public Library 1 Belden Ave. Norwalk, CT 06850-3397 (203) 899-2780 x123 (203) 899-2780 x142</p>
<p>Mr. Salvatore L. Stingo, Head Librarian Milford City Library 57 New Haven Ave. Milford, CT 06460-3345 (203)783-3290</p>	

7.5 List of Working Group Members

<p>Mr. Edgar J. Barnett Commander Oil Corp. 1 Commander Square Oyster Bay, NY 11771</p>	<p>Mr. Allen Berrian Milford Harbor Marine 91 Carrington Ave. Milford, CT 06519</p>
<p>Mr. Jack Brewer Brewer Yacht Yard 155 East Boston Post Road Mamaroneck, NY 01543</p>	<p>Mr. Barry Bryan Fisher Island Conservancy P.O. Box 553 Fisher Island, NY 06390</p>
<p>Mr. Vincent Cashin President CT State Marine Pilots, Assn. 9 Nottingham Drive Old Lyme, CT 06371</p>	<p>Mr. Rick Comeau Fox Navigation 50 12th Street, State Pier New London, CT 06320</p>
<p>Mr. Donald Coyle Admin. Community Development Village Hall, 121 West Broadway Port Jefferson, NY 11777</p>	<p>Mr. Rob Crafa Friends of the Bay P.O. Box 564 Oyster Bay, NY 11771</p>

Ms. Nancy D'Estang P.O. Box 602 Old Mystic, CT 06372	Mr. Orest Dubno Gateway Terminal 400 Waterfront Street New Haven, CT 06512
Mr. Robert Fromer P.O. Box 697 New London, CT 06320	Mr. William Gash CT Maritime Coalition, Inc. 228 State Street, 2nd Floor New London, CT 06320
Mr. Tom Gulbransen Battelle Memorial Institute Box 3500, L.I. Tech. Center 3500 Sunrise Highway Great Neck River, NY 11739	Mr. Peter Hall Browns Boatyard 165 Thimble Island Road Guilford, CT 06444
Mr. John Johnson Machine Works At Essex, Inc. 75 Crystal Ave. New London, CT 06320	Mr. Keith Jones Brookhaven National Lab. Building 901A Upton, NY 11973
Mr. Bradford Kargl Marin Environmental, Inc. 7 Island Dock Road Haddam, CT 06438	Mr. & Mrs. Boulton Kelly Fishers Island Conservancy Box 166 Fishers Island, NY 06390
Mr. Rick Kral Beacon Point Marine 49 River Road Cos Cob, CT 06807	Ms. Leah Lopez Save The Sound, Inc. 185 Magee Ave. Stamford, CT 06902
Mr. John MacPherson Spicer's Marina 93 Marsh Road Noank, CT 06340	Ms. Janet Malloy P.O. Box 190 Quaker Hill, CT 06375
Mr. Richard McGinley 92 High Street Portland, CT 06480	Mr. Christian McGugan Gwenor Marine Dredging Broadway Ext. P.O. Box 375 Mystic, CT 06355
Mr. John McMahon Bruce & Johnson Marine Box 253 Branford, CT 06405	Mr. Howard McMichael McMichael Yacht Yards 447 E. Boston Post Road Mamaroneck, NY 10453
Mr. Dan Natchez 916 East Boton Post Road Mamaroneck, NY 10543-4109	Mr. David North Browns Boat Yard 348 Chaffinch Island Guilford, CT 06444
Mr. Rives Potts General Manager Brewer Pilots Point Marina 63 Pilot's Point Drive Westbrook, CT 06498	Mr. George Proios Suffolk County Exec. Office P.O. Box 6100 Happauge, NY 11788
Ms. Margierite Purnell Fishers Island Conservancy 5 Old Litchfield Road Washington, CT 06793	Mr. Matt Reiser Marin Environmental, Inc. 7 Island Dock Road Haddam, CT 06438

Mr. Edward Sailer Sailer Environmental One Orchard Park Road, POB 21 Madison, CT 06443	Mr. Walter Schieferdecker Essex Island Marina Foot of Ferry Street Essex, CT 06426
Mr. Bill Shadel Save The Sound Inc. 185 Magee Ave. Stamford, CT 06902	Mr. Bill Spicer Spicer's Marina 93 March Road Noank, CT 06340
Mr. Chris Squeri NYMTA 194 B Park Ave, Amityville, NY 11701	Mr. Stephen Tagliatela 2 Bridge Street Old Saybrook, CT 06475
Mr. John Thacher Fishers Island Conservancy, Inc. P.O. Box 132 Green Village, NJ 07935	Mr. Martin Tristine President Logistec Connecticut, Inc. 100 Water Street P.O. Box 9411 New Haven, CT 06534
Mr. Harry Watson Pfizer Inc. Council Eastern Point Road, Bldg 156 Groton, CT 06340	

7.5.1 Attendees of Working Group Meetings

Mr. John Atkin Save The Sound 20 Marshall Street S. Norwalk, CT 06854	Mr. Peter Barhyer Congressman Shays Office 888 Washington Blvd. Stamford, CT 06901
Mr. Allen Berrian Milford Harbor Marine 91 Carrington Ave. Milford, CT 06519	Mr. Jack Brewer Brewer Yacht Yard 155 East Boston Post Road Mamaroneck, NY 01543
Mr. Barry Bryan Fisher Island Conservancy P.O. Box 197 Fisher Island, NY 06390	Mr. Artie Carlucci 20 Roselle Ave. Pleasantville, NY 10570-572
Mr. Vincent Cashin, President CT State Marine Pilots, Assn. 9 Nottingham Drive Old Lyme, CT 06371	Ms. Nancy D'Estang Citizens Against Riveredge Exploration (CARE) P.O. Box 602 Old Mystic, CT 06372
Ms. Janet Dietrica Town Of Huntington 100 Main Street Huntington, NY 11742	Mr. Dave Donavan 3 Junebar Lane Norwalk, CT 06851

Mr. Orest Dubno (Tom) Gateway Terminal 400 Waterfront Street New Haven, CT 06512	Ms. Carolyn Frank 199 Main Street, Suite 319 White Plains, NY 10601
Mr. Henry Fredericks Maguire Group One Court Street New Britain, CT 06050	Mr. Walt Friess 12 Ferry View Drive Gales Ferry, CT 06335
Mr. Robert Fromer P.O. Box 697 New London, CT 06320	Ms. Erika Fuery Maguire Group 1 Court St. New Britain, CT 05060
Mr. William Gash CT Maritime Coalition, Inc. 228 State Street, 2nd Floor New London, CT 06320	Mr. Art Glowka Save The Sound, Inc. 153 Sylvan Knoll Road Stamford, CT 06902
Mr. Tom Gulbransen Battelle Memorial Institute Box 3500, L.I. Tech. Center 3500 Sunrise Highway Great Neck River, NY 11739	Ms. Marie Iannazzi 12 Kingsbury Road Norwalk, CT 06851
Mr. Keith Jones Brookhaven National Lab. Building 901A Upton, NY 11973	Mr. Jeff Kately East River Excavating 9B North High Street Clinton, CT 06413
Mr. Bradford Kargl Marin Environmental, Inc. 7 Island Dock Road Haddam, CT 06438	Mr. & Mrs. Boulton Kelly Fishers Island Conservancy Box 166 Fishers Island, NY 06390
Mr. Rick Kral Beacon Point Marine 49 River Road Cos Cob, CT 06807	Ms. Sally Kruse 1 Water Street New Haven, CT 06512
Ms. Shauna Lake 1761 Rte 12 Gales Ferry, CT 06335	Ms. Leah Lopez Save The Sound, Inc 20 Marshall Street So. Norwalk, CT 06854
Ms. Janet Malloy P.O. Box 190 Quaker Hill, CT 06375	Mr. John (Sandy) McDonald 34 Baywater Drive Darien, CT 06820
Mr. Richard McGinley Grove Beach Point Asso. 92 High Street Portland, CT 06480	Mr. John McMahon Bruce & Johnson Marine Box 253 Branford, CT 06405
Mr. Howard McMichael McMichael Yacht Yards 447 E. Boston Post Road Mamaroneck, NY 10453	Mr. John MacPherson Spicer's Marina 93 Marsh Road Noank, CT 06340

Mr. Dan Natchez Daniel A. Natchez & Asso. ROW, CHA 916 East Boston Post Road Mamaroneck, NY 10543-4109	Mr. Rives Potts General Manager Brewer Pilots Point Marina 63 Pilot's Point Drive Westbrook, CT 06498
Ms. Marguerite Purnell Fishers Island Conservancy 5 Old Litchfield Road Washington, CT 06793	Mr. Matt Reiser Marin Environmental, Inc. 7 Island Dock Road Haddam, CT 06438
Ms. Sally Richards Marina Commission - Guilford, CT 69 Andrews Road Guilford, CT 06437	Mr. Jim Russell RTG P.O. Box 9047 Providence, RI 02940
Mr. Edward Sailer Sailer Environmental One Orchard Park Road, POB 21 Madison, CT 06443	Mr. Bob Sammis CT HMA 107 Margherita Lane Stratford, CT 06615
Mr. Joe Schnierlein 38 Grandview Ave. Norwalk, CT 06850	Mr. Walter Schieferdecker Essex Island Marina Foot of Ferry Street Essex, CT 06426
Mr. Bill Shadel Save The Sound, Inc. 20 Marshall Street S. Norwalk, CT 06854	Mr. Bill Spicer Spicer's Marine 93 Marsh Road Noank, CT 06340
Mr. Geoff Steadman CT Harbor Management Assoc. 345 Main Street Westport, CT 06880	Ms. Rosemarie Sullivan 1095 Brooklawn Ave. Fairfield, CT 06432
Ms. Erika Swanson Representative DeLauro 59 Elm Street Hew Haven, CT 06510	Mr. Stephen Tagliatela Saybrook Point Inn and Marina 2 Bridge Street Old Saybrook, CT 06475
Ms. Jennifer Thalhauser Save The Sound, Inc. 20 Marshall Street S. Norwalk, CT 06854	Mr. John Thatcher Fishers Island Conservancy, Inc. Box 553 Fishers Island, NY 06390
Mr. Martin Tristine President Logistec Connecticut, Inc. 100 Water Street P.O. Box 9411 New Haven, CT 06534	Mr. Fred Walters Town of Greenwich Parks & Rec. 101 Field Point Road Greenwich, CT 06807
Ms. Amanda Waters Save The Sound, Inc 20 Marshall Street S. Norwalk, CT 06854	Mr. Grant Westerson CT MTA 20 Plains Road Essex, CT 06426

Ms. Delight Wilson Save The Sound, Inc. 20 Marshall Street S. Norwalk, CT 06854	Mr. Adam Yablonsky 175 E. Old County Road Hicksville, NY 11801
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7.5.2 State Agency Attendees of Working Group Meetings

Connecticut Department of Environmental Protection (CTDEP), Office of Long Island Sound Programs Elm St Hartford, CT Mr. George Wisker	NY Sea Grant/Long Island Sound Office 146 Suffolk Hall SUNY at Stony Brook Stony Brook, NY 11794-5002 Ms. Kimberly Zimmer
New York State Department of Environmental Conservation 205 Bellmeade Road Suite 1 East Setauket, NY 11733 Ms. Karen Chytalo Mr. Rick D'Amico Mr. Charles deQuillfeldt	New York State Department of Environmental Conservation Region 2 4740 21st Street Long Island City, NY 11101 Mr. Alex Lechich Ms. Kathryn McGucken

7.5.3 Federal Agency Attendees of Working Group Meetings

U. S. Army Corps of Engineers New England District 696 Virginia Road Concord, MA 01742-2751 Mr. Tom Fredette Mr. Mark Habel Mr. Christopher High Ms. Sue Holtham Mr. Michael Keegan Mr. Richard Ring	U.S. Environmental Protection Agency Region 1 1 Congress Street Suite 1100 Boston, MA 02114-2023 Ms. Jeannie Brochi Ms. Ann Rodney Ms. Meg Tennant Mr. David Tomey
U.S. Army Corps of Engineers New York District Ms. Beth Nash	U.S. Environmental Protection Agency Region II Ms. Patricia Pechko
Long Island Sound Office 888 Washington Street Stamford, CT Mr. Joe Salata	NOAA/NMFS 212 Rogers Ave. Milford, CT 06460-6499 Mr. Michael Ludwig

7.5.4 Contractor Attendees of Working Group Meetings

<p>Battelle 397 Washington Street Duxbury, MA 02332</p> <p>Mr. Carlton Hunt Ms. Lynn McLeod Ms. Jennyfer Smith</p>	<p>Coastal Vision 215 Eustis Ave. Newport, RI 02840</p> <p>Mr. Drew Carey</p>
<p>DRI-WEFA Mr. Scott Hazelton</p>	<p>ENSR 2 Technology Park Drive Westford, MA</p> <p>Ms. Pamela Amofshy Mr. Kenneth Hickey Mr. Stan Humphries Mr. Pete Jackson Mr. Dion Lewis Mr. David Mitchell Ms. Isabelle Morin Ms. Elizabeth Powers</p>

7.6 List of Accepted and Designated Cooperating Agencies

<p>NMFS Northeast Regional Office One Blackburn Drive Gloucester, MA 1930-2298</p> <p>Ms. Pat Kurkul, Regional Office Director Mr. Mike Ludwig</p>	<p>Connecticut Department of Environmental Protection 79 Elm Street Hartford, CT 06106</p> <p>Mr. Art Rocque Jr., Commissioner Mr. George Wisker</p>
<p>New York State Department of Environmental Conservation 625 Broadway Albany, NY 12233</p> <p>Ms. Erin Crotty, Commissioner</p>	<p>Eastern Pequot Tribe 391 Norwich-Westerly Road P.O. Box 208 North Stonington, CT 06359</p> <p>Ms. Marsha Flowers, Chairwoman Mr. Tobias Glaza, Land Management Coordinator</p>
<p>Narragansett Indian Tribe P.O. Box 268 Charlestown, RI 02813</p> <p>Mr. Matthew Thomas, Chief Mr. John Brown, Councilman</p>	

7.7 List of Federal and State Agencies Coordinated With During Development of this EIS

Federal	
<p>U.S. Fish and Wildlife Service Regional Office 5 300 Westgate Center Drive Hadley, MA 01035-9589</p> <p>Ms. Mamie Parker, Regional Director</p>	<p>U.S. Fish and Wildlife Service 3817 Luker Road Courtland, NY 13045 (607) 753-9334</p> <p>Mr. David Stillwell, Regional Coordinator</p>
<p>U.S. Fish and Wildlife Service P.O. Box 608 Islip, NY 11751-0608</p> <p>Mr. Steven Mars</p>	<p>U.S. Fish and Wildlife Service Route 1A Shoreline Plaza P.O. Box 307 Charlestown, RI 02813 (401) 364-9124</p> <p>Mr. Greg Manesto</p>
<p>NMFS Northeast Regional Office One Blackburn Drive Gloucester, MA 1930-2298</p> <p>Ms. Pat Kurkul, Regional Office Director</p>	<p>NMFS Milford Lab 212 Roger Ave. Milford, CT 06460</p> <p>Mr. Mike Ludwig</p>
Tribes	
<p>Eastern Pequot Tribe 391 Norwich-Westerly Road P.O. Box 208 North Stonington, CT 06359</p> <p>Ms. Marsha Flowers, Chairwoman Mr. Tobias Glaza, Land Management Coordinator</p>	<p>Mashantucket Pequot Tribal Nation Tribal Office Indiantown Road - P.O. Box 3060 Mashantucket, CT 06339-3060</p> <p>Mr. Kenneth Reels, Chairman Mr. Michael Boland, Director of Natural Resources Protection</p>
<p>Mohegan Tribe P.O. Box 488 Uncasville, CT 06382</p> <p>Mr. Mark Brown, Tribal Chairman Dr. Norman Richards</p>	<p>Narragansett Indian Tribe P.O. Box 268 Charlestown, RI 02813</p> <p>Mr. Matthew Thomas, Chief Mr. John Brown, Councilman</p>
<p>Paucatuck Eastern Pequot Tribal Office 393 Gold Star Highway Groton, CT 06340</p> <p>Mr. James A. Cunha, Jr. Chief</p>	
States	
<p>Connecticut Department of Environmental Protection 79 Elm Street Hartford, CT 06106</p> <p>Mr. Art Rocque Jr., Commissioner Mr. George Wisker</p>	<p>New York State Department of Environmental Conservation 625 Broadway Albany, NY 12233</p> <p>Ms. Erin Crotty, Commissioner</p>

<p>New York State Department of Environmental Conservation 205 Bellmeade East Setauket, NY 11733</p> <p>Ms. Karen Chytello</p>	<p>New York Department of State 41 State Street Albany, NY 12231</p> <p>Mr. Randy A. Daniels, Secretary of State Mr. Rod McNeil</p>
<p>NY State Parks, Recreation, and Historic Preservation Bureau of Field Services Peebles Island, P.O. Box 189 Waterford, NY 12188-0189</p> <p>Ms. Ruth L. Pierpont, Director</p>	<p>Office of CT State Archaeology University of Connecticut U-214 Storrs, CT 06269-4214</p> <p>Dr. Nicholas Bellantoni, State Archaeologist</p>
<p>Office of the State Historic Preservation Officer 59 South Prospect Street Hartford, CT 06106</p> <p>Mr. John W. Shannahan, SHPO</p>	
Other Federal Agencies	
<p>U.S. Coast Guard Academy 15 Mohegan Avenue New London, CT 06320-4195 (860) 444-8301 (860) 444-8546 (fax)</p> <p>Mr. Schwaab</p>	<p>U.S. Coast Guard First District 408 Atlantic Avenue Boston, MA 02210-3350</p> <p>RADM Vivien Crea, Commander</p>
<p>USCG Group/MSO L.I.S. 120 Woodward Avenue New Haven, CT 06512 (203) 468-4470 (203) 468-4406</p> <p>Commanding Officer</p>	<p>Navel Submarine Base New London Environmental Department Building 166, Box 39 Route 12 Groton, CT 06349</p> <p>Mr. Richard Conant, Commanding Officer</p>
<p>U. S. Department of the Navy Engineering Field Activity North East 10 Industrial Highway Mail 82 Lester, PA 19113-2090</p> <p>Ms. Nancy Kuntzleman</p>	<p>U.S. Coast Guard Station Jones Beach Freeport, NY 11520</p> <p>Mr. Thomas Botcenhart</p>

CHAPTER 8 - REFERENCES

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CHAPTER 9 - LIST OF PREPARERS

Joel Banslaben: Researcher, Battelle

Education: M.P.A. in Environmental Policy from Columbia University; B.A. in Biology from Colorado College.

Experience: As a Policy Analyst for Battelle, Mr. Banslaben is responsible for policy analysis and stakeholder communications. Mr. Banslaben's recent efforts have included the development of a socio-economic resource assessment for the Rhode Island Region Long-Term Dredged Material Disposal Site Environmental Impact Statement and the formulation of an Environmental Feasibility Study for the Beneficial Use of Dredged Bedrock in the New York/New Jersey Harbor.

Role in Preparing the EIS: Mr. Banslaben assisted with the evaluation of socioeconomic resources including: commercial and recreational fishing; shipping and navigation; recreational uses; energy resources; archaeological and cultural resources; and parks and areas of special concern.

Nancy Bonnevie: Principal Research Scientist, Battelle

Education: B.S. in Biology from Bates College

Experience: Ms. Bonnevie has more than twelve years of experience in conducting environmental assessments. An environmental scientist specializing in aquatic ecology and sediment quality evaluations, she has effectively managed teams on tasks ranging from preliminary site characterizations to multi-tasked field sampling programs, ecological risk evaluations and environmental impact statements.

Role in Preparing the EIS: Ms. Bonnevie acted as the Battelle Task Manager for the biological resources sections of the document and assisted with overall direction of technical staff. In addition, she prepared the risk evaluation, oversaw the preparation of the SMMPs, and provided technical and editorial review of the document.

Jean Brochi: Biologist, USEPA

Education: B.S. Biology from Suffolk University

Experience: Over 7 years experience in environmental science which includes three positions such as Regional Ocean Dumping Coordinator, New Hampshire Estuary Program Manager, LIS Environmental Impact Statement Program Manager. Experience includes contracts and grant management, quality assurance reviews and development, ecological and human health risk assessments, regional indicator monitoring development and development of comprehensive management plans.

Role in Preparing the EIS: Ms. Brochi acted as the EPA Program Manager for the Long Island Sound study effort. In addition to providing technical review, she contributed to the preparation and editing of various portions of the DEIS including the Introduction, Purpose and Need, and No Action, as well as air quality and the risk evaluation.

Rosanna Buhl: Program Quality Assurance, Battelle

Education: Coursework at Bridgewater State College; Quality Assurance education through the Center for Professional Development and ASQ.

Experience: As Quality Systems Manager for Battelle's Duxbury Operations, Ms. Buhl is responsible for overseeing all site quality assurance activities, verifying that technical activities are conducted in compliance with the site Quality Management Plan (QMP), and managing the technical activities of the Quality Assurance Office. ASQ Certified Quality Auditor, 1996 – present.

Role in Preparing the EIS: Ms. Buhl oversaw the audit of DEIS tables, figures, and text to verify that the data presented in the EIS accurately and completely represents the source data.

Drew Carey: Principal Scientist, CoastalVision

Education: Ph.D. in Geology and Marine Biology from the University of St. Andrews, Scotland; B.Sc. in Geology and Biological Oceanography from The Evergreen State College

Experience: Dr. Carey is a marine environmental scientist with over twenty year's experience in benthic ecology, sedimentology, environmental monitoring, and marine policy. He is an internationally recognized expert in monitoring the environmental impacts of dredged material disposal and disposal site selection. CoastalVision has established projects compiling data for coastal management in Narragansett Bay, Long Island Sound and Massachusetts waters.

Role in Preparing the EIS: Dr. Carey led the assessment of fish resources in Long Island Sound based on existing inshore trawl data (Appendix H-6) and participated in the design of sampling plans for chemical, biological, and physical measurements. In addition, he supported the site screening efforts, GIS and document database development, and design of workshops for public outreach.

Valerie Cullinan, Ph.D.: Research Scientist, Battelle Marine Science Laboratory

Education: Ph.D. and M.S. in Biometry from Cornell University, B.S. in Zoology from Ohio State University.

Experience: Dr. Cullinan has over 16 years of experience in the statistical design, analysis, and interpretation of results from multidisciplinary experimental research. This research has focused on marine and freshwater environmental issues, particularly relative to dredged material disposal, environmental assessments, shellfish and fisheries studies, toxicity testing programs, and protocol development.

Role in Preparing the EIS: Dr. Cullinan conducted the statistical analysis of the benthic infaunal data for Bridgeport and Milford. She also assisted with the data interpretation and preparation of the summary report (Appendix H-2).

Paul Dragos: Senior Research Scientist, Battelle

Education: M.C.E. in Coastal Engineering from the University of Delaware; B.S. in Civil Engineering from the University of Delaware

Experience: Mr. Dragos is a physical oceanographer/coastal engineer with 22 years experience in estuarine and coastal ocean hydrodynamic measurement, data analysis, and interpretation in problems associated with water quality issues and coastal engineering works. He has lead research projects in the sediment transport, circulation, mixing, dilution, and transport of contaminants in various bays, harbors and estuaries throughout the U.S. and

particularly in the Northeast including the New York Bight, New York Harbor, Massachusetts Bay, and Long Island Sound. His experience includes field and modeling studies of ocean outfall monitoring, transport and fate of contaminants associated with dredged material, oil production, and sewage sludge, hydrodynamic measurement, and coastal engineering. These studies have contributed to numerous environmental assessment projects and provide Mr. Dragos with an extensive knowledge of transport and fate in marine water quality issues.

Role in Preparing the EIS: Mr. Dragos prepared the sections of the DEIS pertaining to physical oceanography. This included the analysis of available wind, wave and current data and the running of the STFATE numerical model of disposal plume behavior and the LTFATE model of sediment resuspension and transport.

Karen Foster: Program Manager/Fisheries Biologist

Education: M.S. in Oceanography from the University of Rhode Island; B.S. in Biology from the University of Connecticut

Experience: Ms. Foster specializes in fishery resource and environmental impact projects. She has more than 15 years of experience in fishery resource assessment and monitoring. Ms. Foster has used this expertise in preparing Environmental Impact Statements, conducting field studies to evaluate the feasibility of using artificial reefs as mitigation for habitat loss due to dredged material disposal, and preparing National Environmental Policy Act Section 7 biological assessments to identify impacts to threatened and endangered species. Before joining Battelle in 1989, Ms. Foster served as a Fishery Biologist with the National Marine Fisheries Service (NMFS) for 13 years.

Role in Preparing the EIS: Ms. Foster served as the Task Manager for the Socioeconomic section of the DEIS. She also is Program Manager of the Battelle contract under which this work is being conducted.

Thomas J. Fredette: Biologist, New England District, US Army Corps of Engineers

Education: Ph.D. The College of William & Mary, Virginia Institute of Marine Science; M.A. The College of William & Mary, Virginia Institute of Marine Science; B.S. University of Massachusetts, North Dartmouth.

Experience: Dr. Fredette has more than 20 years experience in marine science, focusing on benthic ecology, marine environmental monitoring, dredged material management, and contaminated sediment management.

Role in Preparing the EIS: Mr. Fredette acted as a technical and regulatory reviewer for the DEIS.

Mark L. Habel: Geologist, Navigation Section, Planning Branch, New England District, US Army Corps of Engineers

Education: J.D. Suffolk University Law School, B.S. in Geology, Northeastern University

Experience: Over 22 years experience in coastal geology, navigation project design, evaluation and construction, civil works planning and feasibility studies, and project management.

Role in Preparing the EIS: Mr. Habel acted as the Corps of Engineers Project Manager for the Long Island Sound study effort. He contributed to the preparation and editing of the Introduction, Purpose and Need, No Action and Alternatives sections of the DEIS.

Susan E. Holtham: Environmental Resource Specialist, New England District, US Army Corps of Engineers

Education: B.S. in Biology from Northeastern University; A.A. in Liberal Arts from Colby-Sawyer College

Experience: Ms. Holtham has over 20 years experience in managing and preparing NEPA documents for Corps of Engineers civil and military projects, including Environmental Impact Statements for the Base Realignment and Closure program, Environmental Assessments for the U.S. Army Reserve and National Guard, and EIS's associated with Corps of Engineers regulatory program permit actions.

Role in Preparing the EIS: Ms. Holtham assisted in overall project management of the preparation of the DEIS.

Christopher High: Chemist, New England District, US Army Corps of Engineers

Education: M.S. in Biochemistry from Brandeis University; B.S. Biochemistry from Florida State University

Experience: Over 8 years experience as a technical specialist responsible for development and preparation of NEPA documents for the Corps of Engineers civil and military projects. Tasks managed in support of NEPA documents included quality assurance reviews of analytical work (data and reports) conducted by outside contract labs and cost, budget, and schedule preparation.

Role in Preparing the EIS: Mr. High assisted the USACE project manager by serving as a technical lead for the DEIS. Duties included determining the appropriate level of field studies conducted in support of the DEIS, technical review of reports prepared in support of the DEIS, and review of the DEIS for technical accuracy.

Carlton Hunt: Research Leader, Battelle

Education: Ph.D. in Chemical/Geochemical Oceanography from the University of Connecticut; M.S. in Chemical Oceanography from the University of Connecticut; B.A. in Chemistry from Doane College

Experience: Dr. Hunt is a chemical oceanographer with broad experience in estuarine and coastal marine ecosystems. During the past 25 years, he has conducted and supervised projects involving the transport, fate, effects, and bioaccumulation of contaminants and water quality impacts of nutrients in diverse coastal systems including Long Island Sound, Narragansett Bay, Massachusetts Bay, New York Harbor, and New York Bight, and the Northwest Atlantic Ocean. His experience includes studies of the transport and fate of contaminants associated with soils, sediments, urban runoff, sewage sludge, sewage effluents and industrial wastes in the marine environment. He has supported the preparation of EISs that support dredged material site designations in the New York Bight and offshore of Rhode Island and southeastern Massachusetts.

Role in Preparing the EIS: Dr. Hunt served in a technical advisory role for the preparation of the DEIS, providing technical review and comments on drafts of the document. In addition, he prepared sections of the DEIS related to the general impacts of dredged material disposal in the coastal environment, lead the alternatives screening effort, facilitated discussions among agencies and provided public briefing support at the workgroup discussions.

Roy Kropp: Senior Research Scientist, Battelle

Education: Ph.D. in Zoology from the University of Maryland; M.S. in Biology from the University of Guam; B.S. in Zoology from the San Diego State University

Experience: Dr. Kropp is a specialist in benthic marine ecology, toxicology, and the systematics of crustaceans and mollusks with 19 years of experience. He has served as the principal investigator for or participated in marine environmental surveys in the tropical and boreal Pacific, off California, the Gulf of Mexico, along the Atlantic Coast of the United States, and in the Mediterranean. Currently, Dr. Kropp is the Senior Scientist for Benthic Biology for the Massachusetts Water Resources Authority Monitoring Program. Since matriculating to the Marine Sciences Laboratory from Battelle's Duxbury facility, Dr. Kropp has directed several toxicological studies involving the testing of marine and freshwater species. He was the technical project manager for the preparation of the Final Environmental Impact Statement being prepared for the Providence River dredging project by the US Army Corps of Engineers.

Role in Preparing the EIS: Dr. Kropp prepared the affected environment and impact text for benthic infauna, plankton, and shellfish sections of the DEIS. He prepared supporting technical reports for the Bridgeport and Milford Alternative sites (e.g., sediment quality triad, toxicology, benthic infauna). Dr. Kropp also provided technical review and comments on drafts of the document.

Lisa Lefkovitz: Principal Research Scientist, Battelle

Education: M.S. in Water Chemistry from the University of Wisconsin; B.S. in Chemistry from Case Western Reserve University

Experience: Ms. Lefkovitz is an environmental chemist with more than 15 years of experience related to evaluation of chemical contaminants in the marine environment. Ms. Lefkovitz is currently managing the Rhode Island Region Long Term Dredged Material Disposal Study project which includes preparation of an EIS for the Corps in support of designating a new offshore dredged material disposal location in Rhode Island Sound. As part of the LIS EIS, Ms. Lefkovitz managed all activities related to chemical analysis and reporting of contaminants in tissues collected within Long Island Sound. She also prepared the general and site specific affected environment sections describing the results of the tissue chemical analyses.

Role in Preparing the EIS: Ms. Lefkovitz served as task manager for all chemical analyses of tissue samples for the Long Island Sound Study Effort. She reviewed data quality and prepared final reports containing the results of all analyses. Ms. Lefkovitz also prepared the sections of the DEIS summarizing contaminants in tissues in Long Island Sound.

Lynn McLeod: Research Scientist, Battelle

Education: B.S. (Honors) in Environmental Science from Marist College; A.S. (Honors) in Environmental Science from Southern Vermont College

Experience: Over 14 years experience in environmental science, including work in biological and environmental assessments, environmental impact statements, monitoring plan development, chemical analysis, data management, quality assurance, and large-scale document production. Ms. McLeod was a task manager on the Providence River and Harbor Maintenance Dredging Project Final EIS and assisted in the preparation of the Historic Area Remediation Site Supplemental EIS.

Role in Preparing the EIS: Ms. McLeod authored the ZSF and site screening descriptions, as well as the birds, mammals, and endangered species sections. She also authored portions of the SMMPs. She served as Battelle's deputy project manager and directed editing and production.

Derek Michelin: Research Scientist, Battelle

Education: M.S. in Ocean Engineering from the University of New Hampshire; B.S. in Mechanical Engineering from the University of New Hampshire

Experience: Mr. Michelin has 5 years experience in engineering and at-sea deployment of moorings and mechanical systems for operation in the ocean environment software development as well as experience in signal processing, database development and GIS mapping. Mr. Michelin has participated in the development of rapid current oil containment devices as well as offshore aquaculture equipment. His engineering experience also includes the development of in situ sampling devices and sample processing systems. His programming experience includes the development of software with the ability to non-invasively measure the motion of objects as well as more specialized software for use in assessing oil boom failure.

Role in Preparing the EIS: Mr. Michelin gathered input data for and ran the erosion models STFATE and LTFATE.

Grace Neff: Quality Auditor, Battelle

Education: Ph.D. in Organic Chemistry from the University of Illinois; B.S. from the University of Illinois College of Pharmacy

Experience: Dr. Neff has approximately 18 years of experience in the field of environmental chemistry. Her background includes the synthesis of organic compounds, the analysis of marine samples for pollutants and managing environmental research projects. She was involved in developing detection and quantification methods for several phthalate pollutants. Dr. Neff joined the Quality Assurance Unit at Battelle in 1993 and participates in the auditing of environmental data. Her responsibilities include conducting statistical random data audits to determine the accuracy and completeness of raw vs. reported data and for reporting the results of audits in written reports to management.

Role in Preparing the EIS: Dr. Neff aided in the verification of data tables used in the DEIS as well as the concurrence of tabular data and text. She also assisted in the literature search for the DEIS.

Marcos (Marc) Paiva: Archaeologist, New England District, US Army Corps of Engineers

Education: PhD candidate in Anthropology, Brandeis University; M.A. in History/Historical Archaeology, University of Massachusetts at Boston; B.A. in History, University of Massachusetts at Dartmouth.

Experience: Mr. Paiva has twelve years of experience in cultural resource management including archaeology, architecture, and history. He is involved in reviewing and managing cultural resource management contracts, agency compliance for cultural resources, providing input to Environmental Assessments and Environmental Impact Statements as well as producing specific archaeological reports and cultural resource management plans for Corps

facilities and reservoirs. He also acts as the Corps District Tribal Coordinator responsible for insuring proper consultation with New England Federally Recognized Tribes.

Role in Preparing the EIS: Mr. Paiva was responsible for the historic and archaeological resources section of the DEIS and assisted with appropriate coordination with regulatory agencies and others.

Ann Rodney: Environmental Protection Specialist, USEPA

Experience: 15 years experience with U.S. EPA, including work with special projects in the Regional Administrators office, public relations with the Superfund program, Boston Harbor Residuals Environmental Impact Statement, Mass. Bay Disposal Site Environmental Impact Statement, National Estuary Programs, administration of Section 312 of the Clean Water Act.

Role in Preparing the EIS: Ms. Rodney participated in the development and implementation of all aspects of the public outreach program, including the review and writing of documents.

Erika Schaub: Researcher, Battelle

Education: M.E.Sc. in Conservation Science from Yale School of Forestry and Environmental Studies; B.S. in Biology, Minor in Mathematical Sciences from Loyola College, MD

Experience: Ms. Schaub has worked in the environmental field for the past four years and has experience in preparing EIS/EA's for The Wilderness Society.

Role in Preparing the EIS: Ms. Schaub assisted with the preparation of the military usage and mineral/energy development sections in the socioeconomic portion of the DEIS.

Bill Steinhauer: Senior Environmental Chemist, Battelle

Education: M.S. in Chemistry from Northwestern University; B.S. in Chemistry from Lake Forest College

Experience: Mr. Steinhauer has more than 25 years experience in environmental chemistry and coastal marine monitoring, including 18 years with Battelle. During this period, he has conducted and supervised research projects involving the transport, fate, effects, and bioaccumulation of contaminants, and is a recognized expert in the fate and effects of organic contaminants in the environment. Mr. Steinhauer's laboratory and management experience includes methods development and analysis of trace levels of petroleum- and combustion-related hydrocarbon contaminants in the environment. He is the author of many environmental reports and scientific papers, including those relating to assessments of contaminated sediment, dredged material testing, municipal and industrial discharges into the coastal zone, and oil spills, as well as methods papers and contaminant residence time studies.

Role in Preparing the EIS: Mr. Steinhauer acted as task manager for the environmental, geophysical, and archeological assessments at the Milford and Bridgeport historical sites and assisted in the preparation of several project-related reports and fact sheets. Mr. Steinhauer also prepared the sections on water quality in DEIS.

Tracy Stenner: Project Manager, Battelle

Education: M.S. in Marine Ecology from Northeastern University; B.S. in Biology from Emory University

Experience: Ms. Stenner has 17 years of project management and environmental science and engineering experience working with public and private sector clients. Her project management experience has focused largely on the preparation of National Environmental Policy Act (NEPA) documents – Environmental Assessments (EAs), Environmental Impact Statements (EISs), and Findings of No Significant Impact (FNSIs) – and the preparation of associated technical reports (e.g., biological assessments, essential fish habitat assessments, and coastal consistency documentation). She has also managed a variety of multidisciplinary environmental and engineering projects for other government clients.

Role in Preparing the EIS: Ms. Stenner served as the Project Manager, as well as one of the authors and technical reviewers. Ms. Stenner leads Battelle’s contributions to this DEIS Project and coordinates with USACE and USEPA project leads.

Patty White: Senior Research Scientist, Battelle

Education: M.S. in Geology from the University of Washington, Seattle, WA; B.S. in Geology from Kent State University, Kent, OH

Experience: Ms. White has 18 years of experience as a geologist and has focused for the past 10 years on sediment quality assessment. Ms. White has served as a project geologist for dredged material disposal studies and has participated in multidisciplinary sediment studies that include site characterization, ecological and human health risk assessments, and feasibility studies.

Role in Preparing the EIS: Ms. White contributed to the sections of the DEIS that addressed geological setting, geomorphology and sediment quality.

Corey Wisneski: Research Associate, Battelle

Education: M.E.M. in Coastal and Watershed Systems from Yale School of Forestry and Environmental Studies; B.A. in Anthropology from Boston University

Experience: Ms. Wisneski has two years experience with researching and writing Environmental Impact Statements. In addition, she has experience addressing habitat and predator issues associated with a threatened species and has participated in the creation of reports for ballast water testing methods, combined sewer overflows, and estuarine environmental indicators.

Role in Preparing the EIS: Ms. Wisneski contributed to the affected environment and environmental consequences sections of the EIS, as well as assisting with the fisheries and avian sections.

**CHAPTER 10 - LIST OF AGENCIES, ORGANIZATIONS, AND PERSONS TO WHOM
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