

APPENDIX C

UPLAND/BENEFICIAL USE

SITE RESOURCES



ENVIRONMENTAL IMPACT STATEMENT FOR THE DESIGNATION OF DREDGED MATERIAL DISPOSAL SITES IN CENTRAL AND WESTERN LONG ISLAND SOUND, CONNECTICUT AND NEW YORK



US Army Corps
Of Engineers®
New England District

APPENDIX C

Identification of Potential Upland Alternative Disposal Sites

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June, 2001



LONG ISLAND SOUND
DREDGED MATERIAL DISPOSAL EIS

**Identification of Potential
Upland Alternative Disposal Sites**

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LIS-2001-S02-ALT



United States
Environmental
Protection Agency

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1.0 INTRODUCTION

1.1 BACKGROUND

The U.S. Environmental Protection Agency, Regions I and II (EPA), and the U.S. Army Corps of Engineers, New England District (the Corps), are proceeding with the preparation of an Environmental Impact Statement (EIS) in compliance with the National Environmental Policy Act (NEPA). The EIS will consider the potential designation of one or more dredged material disposal site(s) in the waters of Long Island Sound (LIS) under Section 102(c) of the Marine Protection, Research, and Sanctuaries Act (MPRSA) and 40 CFR 230.80 of EPA's regulations under Section 404 of the Clean Water Act (CWA). Prior to making a decision on designation, the EPA is required to evaluate the environmental and socioeconomic impacts of a range of alternatives for disposal of dredged material from Long Island Sound. Disposal alternatives may include sites in open water, upland, alongshore and subtidal areas. The following report addresses the initial identification of potential upland disposal sites and upland and alongshore beneficial use alternatives. These generally consist of using dredged material at upland sites (e.g., landfills and brownfields) and alongshore sites (e.g., beaches, dunes, and salt marshes). These alternatives would not be required to go through the designation process and would only serve as potential alternatives to use if open water site(s) were not feasible or suitable for disposal of dredged material in compliance with the MPRSA criteria. Since upland and alongshore sites for disposal of dredged material are not designated under the MPRSA, these alternatives would be selected through the Section 404 permit process on a case by case basis for each individual project. Alternative sites in open water and subtidal areas (i.e. those areas below mean low water) will be identified and evaluated through other tasks of the LIS program.

An approach for evaluating upland and alongshore beneficial use sites was introduced during a series of workshops in April 2000. Nearly 20 evaluation factors presented (see Table 1-1) at those workshops may be considered when determining if a specific opportunity exists for disposal. However, the evaluation of site-specific upland disposal alternatives appropriate for specific projects is beyond the scope of the EIS. In addition, other dredged material disposal alternatives, including containment islands and confined aquatic disposal, as well as decontamination technologies, would be the subject of future tasks.

**TABLE 1-1 EVALUATION FACTORS FOR UPLAND AND ALONGSHORE DISPOSAL
ALTERNATIVES**

Threatened and Endangered Species
Cultural/Archaeological Resource Sites or Historic Districts
Conservation, Recreation and Open Space Areas
Navigation Considerations
Existing Habitat Types
Commercial and Recreational Fisheries
Site Characteristics
Site Accessibility
Engineering Considerations
Site Use Conflicts
Beneficial Uses
Duration of Potential Adverse Impacts
Economics
Groundwater Quality
Surface Water Quality
Present and Projected Land Use, Including Adjacent Areas
Availability for Use
Socioeconomic/Environmental Justice
Duration of Impacts

The EIS will ultimately include generic assessments for upland and alongshore beneficial use alternatives. A list of disposal areas and maps showing their location are included in this report and may be considered as future dredging projects are proposed and assessed. Candidate upland sites include existing landfills, brownfields and disturbed areas in coastal urban settings that are reasonably proximate to dredging centers, which may have needs now or in the future, that could be met by the placement of dredged material. Beneficial use sites include public beaches in need of nourishment or replenishment and potential habitat development/improvement/restoration projects, including salt marsh restoration/replication. The study area or a Zone of Siting Feasibility (ZSF) for upland disposal has been defined as all lands within the following political jurisdictions: New York: Westchester, Bronx, Queens, Brooklyn, Suffolk and Nassau counties; Connecticut – all counties; and Rhode Island: Washington County.

1.2 DISPOSAL CONSIDERATIONS

The ultimate goals of the reuse or disposal of dredged material are to: 1) find, if at all possible, a beneficial use for the material, and 2) assume that, at a minimum, the deposition of material will result in no significant adverse short or long-term, primary or secondary environmental or economic effects (Barr, 1987). Because of the comprehensive information provided in *The Dredging Handbook* (Barr, 1987), the

following is a direct quote used to describe the two primary beneficial use areas (i.e., upland and intertidal).

“A. Upland Disposal

“As the name implies, upland disposal is placement of dredged material wholly and totally in upland areas. This is generally used for smaller volumes of material and characterized by relatively high transportation costs and slightly different environmental testing requirements. Upland disposal can be either confined or unconfined depending on the character of the sediments.

*“Confined or contained upland disposal can be utilized for either contaminated or uncontaminated sediments. If contaminated, the area would be diked, capped (and perhaps even underlain) with an impervious material such as clay. The overall feasibility of this type of disposal has been demonstrated (Mallory and Nowrocki 1974, Krizek *et al.* 1976 cf Conner *et al.* 1979) although there may be problems with finding a suitable parcel of land for the facility which is near enough to the source to allow reasonable transportation costs and is acceptable to the community. Once the material has been placed in the containment area, the supernatant (water left after settling has occurred) requires some kind of treatment (see Wang *et al.* 1977 for detailed discussion of this topic). Construction costs are relatively high and there may be long-range problems with breaching of the containment area without adequate maintenance and monitoring. If the material is highly contaminated, this may be the only disposal option available.*

“Unconfined or uncontained upland disposal has generally been used for uncontaminated material. Dredged material has been used for sanitary landfill cover, landscape enhancement, creating landforms, such as berms, or stabilizing erosional areas. It has been utilized as road bed fill for highway construction and even mixed into concrete and asphalt. These options may, in many instances, not be entirely appropriate (or acceptable to regulatory agencies).

“B. Intertidal Disposal

“This includes all options which either displace or create intertidal areas. Environmentally, it may be one of the most difficult to justify in that it may displace habitat that supports a diverse and productive biological community. Transportation costs are, in general, significantly less than for upland options and may be somewhat less than costs associated with ocean disposal.

“Unconfined disposal includes the once popular option of dumping dredged material onto marshes. This “marsh reclamation” is largely responsible for the loss of saltmarsh in the Northeast and Mid-Atlantic states and the once extensive mangrove swamps in Florida. While regulatory constraints have, except in rare instances, prohibited this form of dredged material disposal in many areas, there has been some research to suggest that in certain cases, the application of small amounts of dredged material may result in full recovery and even provide some benefit to the marsh (U.S. Army Waterways Experiment Station 1977, Lunz et al. 1978a and 1978b).

“Beach nourishment is also considered a type of shoreline modification. If material is suitable, it should be used for beach nourishment. Generally, the material is suitable if it is clean sand and “compatible” with the existing material. This also involves the displacement of nearshore habitat, but the effects are usually temporary and the benefits from its use as a non-structural alternative for shore protection are significant. In addition, there may also be benefits in habitat enhancement for rare, threatened and endangered species such as the piping plover.

“The final major sub-option under shoreline modification is saltmarsh creation. There is an excellent discussion concerning this option in the U.S. Army Corps of Engineers (1986) “Beneficial Uses of Dredged Material” Engineering Manual, detailing not only site selection, but a great deal of “how-to” information. Generally, this option is suitable for only uncontaminated or slightly contaminated sediments. Questions have been raised as to how successful these projects have actually been and whether man-made marshes are functionally equivalent to natural ones (Race and Cristie 1982, Race 1985, Minello et al. 1987).”

2.0 METHODOLOGY

The potential upland and alongshore beneficial use opportunities identified as part of this study include landfill and brownfield redevelopment (i.e., upland disposal options), beach and/or dune nourishment (i.e., alongshore disposal options), and marsh creation/restoration. The identification and use potential of upland sites for dredged material disposal was achieved through coordination with state and federal regulatory agencies and municipal planning and economic development agencies. The identification of potential alongshore disposal sites was based on a detailed review of available nautical charts obtained from National Oceanic and Atmospheric Administration (NOAA), as well as coordination with municipal park and recreational departments for each city and town within the project area that borders Long Island Sound. Dredging centers were primarily identified based on information contained on the nautical charts for the study area. Other potential dredged material disposal sites located outside of the project area with high use potential (e.g., Bark Camp Mines, Penfield, Pennsylvania) were also identified.

A complete list of potential upland disposal sites, dredging centers and potential alongshore disposal areas, and potential salt marsh restoration sites is located in Appendices A, B, and C, respectively. The location of dredging centers and alongshore disposal sites and the location of upland disposal sites are mapped in Appendix D. Lists of references cited, agency contacts, and navigation charts are located in Appendices E, F, and G, respectively.

2.1 DREDGING CENTERS

The dredging centers identified in the study include both previously dredged channels (i.e., “improved channels” defined on nautical charts by parallel, dashed lines) and harbors, inlets or other coastal embayments that may be subject to dredging in the future due to their potential significance to navigation (Appendix B). The location of the dredging centers is based on geographic placenames on the nautical charts and/or the *Connecticut and Rhode Island Atlas & Gazateer* (DeLorme, 1999) and the *New York State Atlas & Gazateer* (DeLorme, 1998). Geographic information for the section of Long Island located within Suffolk County, New York was also obtained from a report entitled *Analysis of Dredging and Spoil Disposal Activity Conducted by Suffolk County, New York* (Suffolk County Planning Dept, 1985).

The approximate size of each dredging center was determined based on an arbitrary scale (i.e., small, medium and large) created to differentiate dredging centers according to potential project size. Size designations are based strictly on linear measurements of defined channels, and are expressed as small (less than 0.25 miles in length), medium (0.25-0.75 miles in length) and large (>0.75 miles in length). The size of potential dredging centers lacking defined channels was assumed to be small. Dredging centers were also differentiated based on whether or not a defined channel (i.e., improved channel) is shown on

the nautical chart, indicating a previous dredging history. The status of dredging centers within the project area (e.g., federal, private, etc.) is based on information obtained from the Corps concerning federal navigation projects in New England.

2.2 POTENTIAL UPLAND DISPOSAL SITES

The potential upland reuse of dredged material in the project area includes landfill capping/cover material and brownfield redevelopment (Appendix A). Other innovative uses, such as asphalt batching or mine reclamation, may also be feasible. The current status of municipal landfills within the project area was obtained from federal and state agencies and landfill operators. Information concerning brownfield redevelopment sites within the project area was obtained from the Environmental Protection Agency (EPA) and local planning and economic development agencies. Due to the large number of brownfield redevelopment sites, generally only those targeted by the EPA Brownfields Assessment Demonstration Pilot program were investigated as potentially viable sites for the reuse of dredged material. The location of upland alternative disposal sites is shown in Figure 5 (Appendix D). The number associated with each landfill or brownfield redevelopment symbol on the map indicates the number of facilities, or the number of the sites with the highest use potential respectively, within any given town. The use potential of any given upland disposal site was determined based on available information from state and municipal staff.

2.3 POTENTIAL ALONGSHORE DISPOSAL AREAS

The locations of potential alongshore disposal areas within approximately one mile of the dredging centers were identified along with their approximate size (Appendix B). Extra cost and other difficulties are associated with adding booster pumps beyond one mile; therefore, disposal areas within one mile would be more feasible. In some cases, alongshore disposal areas with high capacity located within 2.0 miles of large dredging centers were identified. In addition, potential disposal areas located within 1.0-1.5 miles of dredging centers were identified in areas where alongshore disposal options are limited. Geographic placenames for potential disposal areas are based on the same sources as those used for identifying the dredging centers. In general, the estimated size of potential disposal areas was based on a linear measurement of the length of shoreline potentially available for dredged material disposal, and did not consider the width of the beach or intertidal zone. In some cases, however, the length of shoreline frontage of public beaches was available from municipalities. The size categories (i.e., small, medium, and large) are the same as those used for differentiating the dredging centers.

The ownership of potential disposal areas within the study area was largely based on information obtained from the *Connecticut and Rhode Island Atlas & Gazateer* (DeLorme, 1999) and the *New York State Atlas & Gazateer* (DeLorme, 1998). The distance between a given dredging center and its associated potential disposal areas is based on measurements taken from the nautical charts. Distances are expressed as either less than (<) one mile, greater than (>) one mile, approximately (~) one mile, or

plus or minus (+) one mile (in cases where the dredging center both falls within and exceeds one mile by virtue of its size). The distance may reflect a straight-line distance (if unimpeded by a shoreline or upland area) or an irregular measurement if a steep shoreline bank or upland area is located between the dredging center and potential disposal area. In some instances, the stated distance between the dredging center and the disposal area assumes that the discharge pipe from a hydraulic dredge traverses a salt marsh and/or barrier beach enroute to the disposal area.

Beach nourishment was deemed a viable disposal option along shorelines identified as sandy or as beaches on the available mapping sources. Dune nourishment was considered to be an additional disposal option on barrier beaches and spits. The criteria for evaluating the use potential of the dredged material disposal areas were based on interpretation of information on the nautical charts or information received from municipal sources. Although certain sensitive coastal environments identified on the nautical charts (e.g., salt marshes) influenced disposal area location, other sensitive coastal habitats (e.g., shorebird nesting habitat, shellfish, eelgrass) were generally not considered during the disposal area identification process. These habitat characteristics and values would need to be thoroughly investigated prior to the use of any particular site. No on-site investigations of the potential disposal areas were conducted as part of this preliminary survey. In addition, disposal windows would need to be coordinated with life stage needs of relevant species of flora and fauna to avoid or minimize habitat impacts.

2.4 POTENTIAL SALT MARSH RESTORATION SITES

The locations of potential salt marsh restoration sites within the coastal zone of the project area were identified (Appendix C). In Connecticut particularly, rapid subsidence of salt marshes by artificial means (e.g., reduction of tidal flows by undersized or damaged culverts) has led to an interest in using dredged material to raise the elevations of certain marshes in order to restore their function as vegetated tidal wetlands. Potential salt marsh restoration site and feasibility information was collected from state agencies. Due to a general lack of available field data for the potential restoration sites, no attempt was made to rank the use potential of the sites.

3.0 USE CRITERIA FOR RANKING ALONGSHORE DISPOSAL AREAS

3.1 INTRODUCTION

The evaluation of shoreline areas within the project area for the potential disposal of dredged material was based on several criteria including (1) distance between the dredging center and disposal area; (2) ownership; (3) littoral drift direction; (4) sediment compatibility; (5) presence of coastal engineering structures; (6) coastal dynamics, and (6) sensitive environments (where shown on the nautical charts). The application of the feasibility criteria was limited to the detail and consistency of information provided on the available nautical charts and other source information. Due to the wide range of coastal settings (e.g., urban, seaport, state park, etc.) and sediment/water quality in the study area, the final selection of disposal areas will be heavily influenced by physical and chemical analyses of the dredged material. Disposal area selection made no attempt to pre-judge the quality of sediments within urban harbors or other dredging centers located within the study area.

The parameters and rationale for each of the criterion are described below.

3.2 CRITERIA

Distance from Dredge Center to Disposal Area

The use potential of a specific disposal area was considered optimal if the distance between it and the dredging center is less than 1.0 mile. Where distances exceed 1.0 mile, booster pumps (at extra project cost) are required to pump dredged material to the disposal area. Therefore, potential disposal areas located over 1.0 mile from the dredging center would generally be ranked lower than more proximate sites. The use of potential disposal areas that require placement of a hydraulic discharge pipe across an upland or a sensitive environment (e.g., salt marsh, barrier beach) may be ranked lower than those not resulting in these potential impacts.

Ownership

Potential disposal areas that are publicly-owned are rated higher than disposal areas located on privately-owned land due to the public purposes and benefits that are provided.

Littoral Drift Direction

Potential disposal areas located updrift of dredge centers are generally ranked lower than those located down-drift of dredge centers due to the increased likelihood of future shoaling within the dredging center.

Sediment Compatibility

Potential disposal areas identified as “beaches” or characterized as sandy shorelines on the nautical charts or other source information were ranked higher than those of unknown sediment character. Well sorted, medium-grained sands (or slightly coarser) with less than 10% silt content) are typically considered suitable for beach nourishment. The higher the fraction of fine sand, the more appropriate the use may be as dune enhancement or replication.

Presence of Coastal Engineering Structures and Other Infrastructure (e.g., piers, seawalls)

Potential disposal areas with coastal engineering structures (e.g., groins) may be ranked higher than shorelines lacking these structures due to the inferred presence of an unstable, eroding shoreline that requires periodic sand replenishment. Shorelines with piers, docks, or public boat landings were assumed to harbor marine vessels and, therefore, were generally not selected for use or were given a low ranking.

Coastal Dynamics (Erosional vs. Accretional)

Potential disposal areas in areas identified as erosional on the nautical charts in some instances received a favorable ranking based merely on “need” of additional sand for storm damage prevention purposes. Stable or accretional shoreline (e.g., barrier spits) were generally considered suitable for dredged material disposal purposes, particularly dune nourishment.

Sensitive Environments

The selection and use potential of the disposal areas was influenced by the proximity of certain sensitive coastal environments, such as salt marsh and, in rare cases, oyster beds. However, disposal area suitability constraints are currently limited to information contained on the available nautical charts. Disposal area feasibility can be refined by potential users with use of additional habitat information (e.g., shorebird nesting habitat, productive shellfish habitat, or eelgrass) available from the states and other resource agencies. Connecticut has this information available in GIS.

4.0 SUMMARY AND CONCLUSIONS

4.1 INTRODUCTION

Beneficial reuse options for dredged material obtained from Long Island Sound include upland reuse opportunities such as landfill cover and capping material and brownfield redevelopment. They also include alongshore reuse opportunities such as beach nourishment and marsh restoration. Other innovative beneficial reuse options include fill for reclamation of abandoned surface mines and asphalt batching.

Dredged material from Long Island Sound ranges from mixed sand and gravel to silt and soft clay depending on wave exposure and tidal energy. Sand and gravel are generally considered the most valuable dredging byproducts, and are suitable for most engineering uses without processing. Some additional processing or treatment may be required for certain applications. For example, the salt content of dredged material may need to be removed by washing with freshwater prior to upland reuse in groundwater recharge zones. Potential uses of dredged material that is composed of uncontaminated material include beach nourishment, dune restoration, brownfield redevelopment, wildlife habitat enhancement, and park and recreational development. Gravelly sand may be suitable as aggregate for the production of asphalt (i.e., asphalt batching).

Maintenance dredging in harbors and coastal embayments typically yields silt and soft clays with varying levels of chemical contamination. Dredged material composed primarily of fine-grained sediments lacking significant contamination may be used for lining landfills, wetland restoration (e.g., nourishment of subsiding wetlands), and wildlife habitat enhancement. Because of their high water content, silts and soft clays must be dewatered prior to application for use at certain upland sites.

Dredged material composed of sand, silt and clay may be suitable as a planting medium for revegetation projects (e.g., capped landfills, brownfield redevelopment). Mixed sand, silt and clay dredged material is currently being assessed at the Bark Camp Mine Reclamation Laboratory in Clearfield County, Pennsylvania as a component of fill for reclaiming abandoned mines.

4.2 POTENTIAL UPLAND DISPOSAL SITES

Upland reuse options for dredged material were investigated within the project area and ranked according to use potential. Upland sites in New York with the highest use potential include two landfills currently undergoing closure (Pennsylvania Landfill and the Fountain Landfill located in New York City). The success of ongoing pilot programs at these landfills will determine the probability of dredged material use at the Fresh Kills Landfill located on Staten Island. Since landfills undergoing closure require large

volumes of suitable material of an appropriate size class, smaller dredging projects located elsewhere within the New York City area are unlikely to compete with larger Corps projects for landfill space. Due to the requirements of the Long Island Landfill Law and 6 NYCRR Part 360-8 (Solid Waste Management Facilities regulations), disposal options on Long Island are limited. However, dredged material may be approved for beneficial reuse at the landfill located in Brookhaven (Suffolk County). The potential for reuse of dredged material at other landfills identified in the project area is low.

The use potential of EPA brownfield pilots identified within the New York section of the project area is greatest in the City of Yonkers (Alexander Street Waterfront). Reuse opportunity at other brownfield pilots in New York (i.e., New York City, North Hempstead, and Glen Cove) is low or unknown at this time. Asphalt batching is a potential reuse option in Glen Cove, although the source of dredged material used at the facility would likely be of local origin. The use of dredged material at landfills, brownfields and asphalt batching sites on Long Island must receive approval, via a Beneficial Use Determination (BUD), before such material can be used (New York State Department of Environmental Conservation).

Potential upland reuse opportunities in Connecticut include two landfills (Windsor and Manchester landfills) and three brownfield pilot sites (New Milford, Haddam and Bridgeport). Dredged material that meets required sediment quality and engineering specifications may be stockpiled for later use at the Windsor landfill. The Manchester landfill may use dredged material that meets specifications for interim cover or capping, although the quantities needed are unknown at this time. Landfills located in Hartford and Glastonbury will probably remain active for the next several years, but report no current or foreseeable need for dredged material. The remaining landfills in Connecticut are in the process of closing or will be closing soon. The disposal of contaminated dredged material at a licensed landfill in Connecticut requires a Special Waste Authorization from the Connecticut Department of Environmental Protection.

Reuse of dredged material at brownfield pilot sites in Connecticut identified as having a high use potential may be limited by the proposed redevelopment schedule (i.e., in some cases, fill may be needed within 1 to 2 years). Although numerous other brownfield pilots were identified as potential sites for the beneficial reuse of dredged material, the lack of sufficient information relative to site conditions precludes a realistic use potential ranking. Potential upland reuse of dredged material in Connecticut must be evaluated in accordance with the Remediation Standard Regulations, Section 22a-133k-1 to -3 of the Regulations of Connecticut State Agencies. These regulations are currently used to determine if the reuse of dredged material in a specific area will potentially result in the unacceptable migration of contaminants into groundwater and surface waters, as well as determining the level of risk from direct exposure to the sediments.

Other potential upland disposal options include reclamation of abandoned surface and underground mines. The Pennsylvania Department of Environmental Protection has proposed a pilot project at the

Bark Camp Mine Reclamation site in Penfield, Pennsylvania to determine the feasibility of using dredged material for this purpose. The pilot project will determine the feasibility of using dredged material in surface mines to restore the land to its original contours or, when mixed with a cement-like material, placed into underground mines to stabilize the surface and prevent subsidence. This material can also be used to displace polluted mine water in subsurface mines (i.e., reducing acid mine drainage). Dredged material would be shipped to the mine site via rail. The success of the current demonstration project Bark Camp Mines will determine the long-term use of the site for dredged material disposal.

4.3 POTENTIAL ALONGSHORE DISPOSAL SITES

A total of over 200 dredging centers were identified along the Long Island Sound shorelines of New York, Connecticut and Rhode Island. Approximately 64% (i.e., 127 centers) of the dredging centers were classified as small since they either have no defined dredged channel or have a channel less than 0.25 miles in length, and the majority of these (i.e., 81 centers) are located in New York. Less than 20% (i.e., 35 centers) of the dredging centers were classified as large since they have a defined dredged channel greater than 0.75 miles in length.

A total of over 300 disposal areas within the study area were identified as potential beach nourishment sites. However, many of the disposal areas are associated with more than one dredging center. It appears that a majority (i.e., 196 sites, or 64% of the total) are privately owned and that 133 of these are located in New York. The greatest opportunity for the use of beach nourishment on public beaches lies within the 60 areas identified in Connecticut and Rhode Island.

The disposal areas for beach and/or dune nourishment were ranked as having a low, medium or high beneficial use potential based on several criteria including shoreline characteristics and ownership. Approximately 37% (113 sites) of the potential beach nourishment areas have a low use potential and 34% (or 104 sites) were ranked as medium potential. The highest ranked potential for beach nourishment sites is located within Connecticut (i.e., 33 sites; 32% of available disposal sites) and Rhode Island (i.e., 15 sites; 75% of available disposal sites). Based on historical dredged material disposal information, however, beach nourishment has been more successful in New York than in Connecticut and Rhode Island. The scheduling of dredged material disposal for use in beach nourishment would need to be coordinated with life stage needs of relevant species of flora and fauna to avoid or minimize habitat impacts.

4.4 POTENTIAL SALT MARSH RESTORATION SITES

Several salt marsh restoration projects are in planning stages in Connecticut with most efforts directed toward restoring salt marshes by increasing tidal flows. Two projects (Five Mile River in Norwalk/Darien, and Quinnipiac River in North Haven) may require fill to raise the marsh surface to a level sufficient for the

growth of salt marsh plants. No salt marsh restoration projects requiring the need for dredged material have been identified to date in the New York section of the project area. One potential salt marsh restoration project has been identified in the Rhode Island section of the project area, although the need for fill at this site is unknown.

APPENDIX A

POTENTIAL UPLAND DISPOSAL AREAS

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
New York	Landfill	Brookhaven	Town of Yaphank, near intersection of Horse Block Road and Woodside Ave.	At this time, dredged material can be approved for beneficial use as alternate daily cover or for grade adjustment during landfill capping.	Tony Cava, New York Dept. of Environmental Conservation
		Huntington	Rte. 110 Sand and Gravel	These facilities are located within the groundwater deepflow recharge area and cannot accept dredged material.	
		Islip	off Town Line Road and Motor Parkway, Hauppauge		
		New York City	Pennsylvania Landfill (90 ac.) and Fountain Landfill (300 ac.)	Use potential is high. Pilot study conducted by NY Dept. of Environmental Protection and NYC Economic Development Corporation is investigating use of dredged material for landfill liner and planting medium over landfill cap. Volume of material needed by landfills approximately 2 million cubic yards. Closure of Pennsylvania landfill to be initiated in fall 2001 and continue over next 3 yrs. Closure of Fountain landfill to be initiated in 2002 and last approximately 5 yrs.	

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
New York	Landfill	Staten Island	Fresh Kills Landfill	Use potential is dependent on the success of the pilot project currently underway at the Pennsylvania and Fountains landfills involving the use of dredged material for landfill closure.	Matthew Eapen, New York Dept. of Environmental Conservation, Region 2
		Haverstraw	Haverstraw Landfill	Use potential is low since landfill closure is likely to be completed by the end of 2001.	Steve Parisio, Solid Waste Division, New York Dept. of Environmental Conservation, Region 3
		Tomkins Cove (Stony Point)	Lovett Generating Station	May use dredged material depending sediment quality. However, use potential is low since facility will be closing by end of 2001.	
		Indian Point, Peekskill	Ash Monofill	Use potential is low since facility accepts only incinerator ash.	Mario Parisi, Environmental Facilities, Westchester County
	Brownfield Redevelopment	Glen Cove (214 acres in the Glen Cove Creek area)	Glen Cove Creek area	Redevelopment project is ongoing and is utilizing local dredged material. Use potential of Glen Cove is minimal for future dredging projects. (Use of dredged material for brownfield redevelopment must receive approval, via a Beneficial Use Determination (BUD), before such material can be used).	Maria Stanko, Glen Cove Community Development Agency
		New York City	Carrol Gardens-Public Place, Fifth and Smith Streets, Brooklyn, NY 11231 (5.8 ac.)	Use potential unknown pending additional investigation of sites. Beneficial reuse of dredged material at the identified brownfield sites in New York City will be determined on a site specific basis. (Use of dredged material for brownfield redevelopment must receive approval, via a Beneficial Use Determination (BUD), before such material can be used).	Lee Ilan, Senior Environmental Planner, Mayor's Office of Environmental Coordination

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
New York	Brownfield Redevelopment	New York City	Vernam Barbadoes, Peninsula between Vernam and Barbadoes Basins near Beach 78th St., Arverne, NY 11692 (3.0 ac.)	Use potential unknown pending additional investigation of sites. Beneficial reuse of dredged material at the identified brownfield sites in New York City will be determined on a site specific basis. (Use of dredged material for brownfield redevelopment must receive approval, via a Beneficial Use Determination (BUD), before such material can be used).	Lee Ilan, Senior Environmental Planner, Mayor's Office of Environmental Coordination
			Mariners Marsh Richmond Terrace and Holland Avenue Staten Island, NY 10303 (6.0 ac.)		
			Bushwick Housing Sites 1 and 2 (Site 1-Central Avenue; Site 2-Bushwick Ave.) Brooklyn, NY 11237 (8.4 ac.)		
			Barretto Point, Viele and Manida Sts., Bronx, NY 10474 (13.0 ac.)		
		North Hempstead	Location information not available		

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
New York	Brownfield Redevelopment	North Hempstead	Eight sites, including the four residential sites identified above. Location information not available.	Use potential is low	EPA Brownfields Assessment Demonstration Pilot.
		Yonkers	Alexander Street Waterfront (13 parcels; 22 ac.)	No immediate need for dredged material. However, use potential over the long term is high due to the probable need for fill for site redevelopment.	Larry Sykes, Economic Development, City of Yonkers
	Asphalt Batching Plant	Glen Cove		Use potential is low to medium since facility will likely use locally obtained dredged material. (Use of dredged material for brownfield must receive approval, via a Beneficial Use Determination (BUD), before such material can be used).	Matthew Eapen, New York Dept. of Environmental Conservation
Connecticut	Landfill	Hartford	Incinerator Road	Use potential is low. Landfill will be closed in 5-6 years, although vertical expansion may allow an additional 2-4 yrs. of use. Landfill has no need for dredged material. (The disposal of contaminated dredged material at a licensed landfill in Connecticut requires a Special Waste Authorization from the DEP).	Peter Egan, Director of Environmental Services, Connecticut Resources Recovery Authority; David McKeegan, Connecticut Dept. of Environmental Protection
		Manchester	Olcott Road	Landfill has capacity for an estimated 7-10 yrs. If vertical expansion of the landfill is permitted, then landfill may continue operating for an estimated 12-15 yrs. May use dredged material that meets specifications for interim cover material or capping material, but the volume of dredged material needed is unknown.	Louise Guarnaccia, Public Works Administrator, Manchester

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
Connecticut	Landfill	Windsor	Huckleberry Road	Landfill has municipal solid waste capacity until June 2004, and will either close or seek permit to expand vertically. Approximately 70,000 cy of material will be needed if the landfill closes, whereas approximately 300,000 cy of material will be used as cover material over 20 yrs. if the landfill remains open. Dredged material that meets required specifications could be stockpiled for use at the landfill.	Erv Slike, Windsor Landfill
		Glastonbury	Tryon Road	No current or future need for dredged material, since sufficient cover material is currently available. No closure date established for the landfill. If permits received from the State, the landfill may operate as a regional facility.	Mike Bisi, Superintendent of Sanitation, Glastonbury
		Remaining active landfills in Connecticut		The use potential of all other active landfills in Connecticut is low since the landfills are in the process of closing or will be closing shortly. Any of these landfills may accept dredged material in addition to the waste type indicated, though quantities would be small due to their size and/or remaining capacity.	Charles Evans, Director, Connecticut Dept. of Environmental Protection; David McKeegan, Connecticut Dept. of Environmental Protection
		Ansonia	North Division Street	Landfill accepts bulky waste.	

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
Connecticut	Landfill	Avon	281 Huckleberry Hill Road	Landfill accepts bulky waste.	Charles Evans, Director, Connecticut Dept. of Environmental Protection; David McKeegan, Connecticut Dept. of Environmental Protection
		Berlin	Christian Lane	Landfill accepts bulky waste.	
			Edgewood Avenue	Landfill accepts sludge and ash	
		Branford	Tabor Drive	Landfill accepts bulky waste	
		Canaan	Route 63		
		Clinton	Knollwood Drive	Landfill accepts industrial sludge	
			Old Nod Road	Landfill accepts bulky waste	
		Deep River	Route 80		
		East Haddam	Route 149		
		East Hartford	Burnside Avenue	Landfill accepts bulky waste	
		Essex	Route 9A		
		Groton	Wells Road		
		Killingly	Brickhouse Road	Landfill accepts bulky waste	
		Ledyard	Route 12	Landfill accepts special waste	
		Lyme	Brush Hill Road	Landfill accepts bulky waste	
		Mansfield	Route 89	Landfill accepts bulky waste	
Milford	Plains Road				
Monroe	Gardner Road				

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
Connecticut	Landfill	Morris	Route 109 (254 Lakeside Road)	Landfill accepts bulky waste	Charles Evans, Director, Connecticut Dept. of Environmental Protection; David McKeegan, Connecticut Dept. of Environmental Protection
		New Britain	Deming Road Berlin		
		New Canaan	Old Kings Highway (Route 123)		
		New Milford	Boardman Road	Landfill accepts special waste	
			Route 7		
		Newington	Off Main St., adj. To Church Hill Park	Landfill accepts bulky waste	
		North Stonington	Wintechog Hill Road		
		Old Lyme	Four Mile River Road		
			Boston Post Road		
		Plainville	Granger Lane		
		Putnam	River Road	Landfill accepts ash	
		Salem	Rattlesnake Ledge Road	Landfill accepts bulky waste	
		Seymour	Silvermine Road		
		Simsbury	Wolcott Road		
		Sprague	Inland Road, Versailles	Landfill accepts special waste	
		Stonington	Voluntown Road (Rte. 149)		
		Suffield	Mountain Road	Landfill accepts bulky waste	
		Thomaston	Waterbury Road		
		Trumbull	Spring Hill		

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information	
Connecticut	Landfill	Wallingford	Pent Highway	Landfill accepts municipal solid waste	Charles Evans, Director, Connecticut Dept. of Environmental Protection	
		Waterbury	Highland Ave & Highview St.	Landfill accepts bulky waste		
			Municipal Road	Landfill accepts special waste		
			Thomaston Avenue	Landfill accepts bulky waste		
			Minor Lane			
		Westbrook	McVeagh Road			
	Brownfield Redevelopment	Bridgeport	Former Carpenter Technical Steel property (east side of Bridgeport Harbor), (known as the "CarTech" site)	Use potential is low due to availability of local dredged material and timeframe of 1 yr. for site grading	Ed Lavernowich, City of Bridgeport, Office of Planning and Economic Development; Burt Sacco, Construction Manager for CarTech property	
			Bridgeport Brass Mill (located north of Crescent St.; 20 ac.)	Use potential is medium to high. Fill would be used to raise the surface grade of the site approximately 5-10 feet.		Burt Sacco, Construction Manager for CarTech property
			Up to 205 vacant or abandoned properties in inner-city Bridgeport identified; location information not available.	Use potential is low		EPA Brownfields Assessment Demonstration Pilot.
			New Haven	United Illuminating Co. (western half of Steel Point; approximately 15-20 ac. of potential fill area)		Use potential is low since fill is needed within 1 year.

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
Connecticut	Brownfield Redevelopment	New Haven	Breen Capital property, 424 Grand Ave. (2.1 ac.)	Use potential is highest for redevelopment of the sites targeted by the EPA Brownfields Assessment Demonstration Pilot (Grand Ave. , Hamilton St., and Winchester Ave.)	Helen Rosenberg. City of New Haven Economic Development
			TSJ, Inc. property, 133 Hamilton St. (2 ac.)	Use potential is highest for redevelopment of the sites targeted by the EPA Brownfields Assessment Demonstration Pilot (Grand Ave. , Hamilton St., and Winchester Ave.)	Helen Rosenberg. City of New Haven Economic Development
			USRAC property 275 Winchester Avenue (10 ac.)		
			Southern Connecticut Gas Co. property, 347 Chapel St. (10 ac.)		
			Connecticut Hard Rubber property, (location undisclosed) (4 ac.)		
			Dept. of Transportation bus garage, 420 James St. (9 ac.)		
			112 and 128 Chapel St. (1.76 ac.)		
			198 River St. and 34 Lloyd St. (6.5 ac.)		
			1175 State St. (5.84 ac.)		
			ABC Corporation property, 71 Shelton Ave. (2.77 ac.)		
Lebov Iron Works property 396 Boulevard (10 ac.)					

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information		
Connecticut	Brownfield Redevelopment	New Haven	Metro Taxi property 670 Boulevard (1.8 ac.)	Use potential is highest for redevelopment of the sites targeted by the EPA Brownfields Assessment Demonstration Pilot (Grand Ave. , Hamilton St., and Winchester Ave.)	Helen Rosenberg. City of New Haven Economic Development		
			Ralph A. Coppola estate, 201 Russell St. (21 ac.)				
		Anastasio Trucking property (100 ac.)					
		Wyatt Tanks (location undisclosed) (25 ac.)					
		Fulton/Goodwin area (12 ac.)					
		Stamford	Redevelopment sites located in the South End and Waterside sections of Stamford			Redevelopment sites include a coal gasification facility that will be capped and an existing lock factory that has already been remediated. Use potential is low since neither site is likely to need any imported materials.	Dave Sulkis, Office of Operations, City of Stamford
		New London	Five sites identified; the largest brownfield site located within the Fort Trumbull area of New London. Location information is unavailable for the remaining four sites.			Use potential is low for all sites due to timeframe or small size of sites. The Ft. Trumbull site needs approximately 150,000 cubic yards of material within the next 6 months. Other sites are very small (1-1.5 acres) and preliminary site investigations have not been completed to determine whether fill is needed.	Bruce Hyde, City of New London
		Danbury	13 Barnum Court (0.5 ac.)			Use potential is unknown since the site investigations have not been completed.	Jack Kozuchowski, Danbury Health and Housing Department
Rose Lane (former Mallory Hat factory)							

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
Connecticut	Brownfield Redevelopment	New Milford	Former brass mill (72 ac.) Scovill Road	Use potential is high, provided material can be provided within 1-2 yrs. Approximately 25,000-30,000 cy of fill needed to replace material excavated from sludge pit.	David Hubbard, Director of Community Development and Economic Planning, New Milford
		New Britain	102 Washington St. (former Russell Erwin factory) (3 ac.)	Use potential is low, since fill is not needed for redevelopment of the site.	Kenneth Malinowski, Commission of Community and neighborhood Development, City of New Britain
			Orange and Grove Streets (8.2 ac.)	Use potential is low, since redevelopment of the site is currently taking place.	
			South Street (vacant factory) (31 ac.)	Use potential is low. Fill is being removed from the site.	
			Urban Oaks (5+ ac.)	Use potential is low, since redevelopment is currently taking place and fill is needed now.	
			West Main and Lincoln Streets (3+ ac.)	Use potential is low. Approximately 1000 cy of fill is currently needed. No long-term need for fill at the site.	
			Veterans Drive Triangle	Use potential is low.	
		Haddam	Dept. of Transportation Maintenance Facility, 11 Candlewood Hill Road (4 ac.)	Medium use potential. May need fill to replace existing contaminated fill in the pond. Project on hold due to funding delay.	Ann Faust, Town of Haddam
			Higganum Fire House 7 Candlewood Hill Road (0.5 ac.)	Use potential is low, since no excavation will occur on the site.	

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
Connecticut	Brownfield Redevelopment	Haddam	Higganum Cove, Nosal Road (11-12 ac.)	Use potential is low. Redevelopment of the site will likely require use of few thousand yards of clean fill.	Tom RisCassi, Connecticut Dept. of Environmental Protection
		Hartford	Colt Park South (1.74 ac.)	Use potential is highest for these sites as fill will most likely to be used for redevelopment.	Jeanie Webb, Brownfield Coordinator, Office of City Manager (Property Acquisition and Disposition), Hartford
			Colt Park South (6.4 ac.)		
			Sheldon Street Parking Lot (Parcel C-1) (1.99 ac.)		
			270 Huyshope Ave. (2.4 ac.); 272 Huyshope Ave. (23,875 sf); 290-294 Huyshope Ave. (55,7587 sf)		
			SAND, parcel G (4.3 ac.)		
			393 Homestead Avenue		
			45 Olive Street (25,000 sf)		
			Pope Park Highway #4 (1.5 ac.)		
			Colt Park South (3.46 ac.)	Use potential is low at these sites since fill is unlikely to be used for redevelopment of the sites.	

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
Connecticut	Brownfield Redevelopment	Hartford	166-172 Wethersfield Ave. (0.75 ac.)	Use potential is low at these sites since fill is unlikely to be used for redevelopment of the sites.	Jeanie Webb, Brownfield Coordinator, Office of City Manager (Property Acquisition and Disposition), Hartford
			Dutch Point Housing Colony Project and Norwich Street (10+ ac.)		
			Capewell Manufacturing site (6 ac.)		
			Riverfront Access (Adrian's Landing) 5.05 ac.)		
			43-57 Huyshope Ave. (1.46 ac.)		
			295 Huyshope Ave. (2 ac.)		
			North Meadows (Block 6-6 ac.; Block 8-7ac.)		
			North Meadows (c-3a - New Road) 4.98 ac.)		
			SAND Parcel C-2 & H-2 (1.98 ac.); Parcel D-1 (2.1 ac.)		
			17-73 Albany Ave. and Hartford Lumber Yard buildings, 20 & 84 Chestnut Street (6.4 ac.)		
			Chestnut/Edwards (urban agriculture site) (1.74 ac.)		
			435-467 Albany Ave. (1.15 ac.)		
			T-2 430 Albany Street (1.15 ac.)		

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
Connecticut	Brownfield Redevelopment	Hartford	427-433 Albany Avenue	Use potential is low at these sites since fill is unlikely to be used for redevelopment of the sites.	Jeanie Webb, Brownfield Coordinator, Office of City Manager (Property Acquisition and Disposition), Hartford
			Homestead Ave. corridor (4-20 ac.)		
			424 Homestead Avenue, 441-455 Homestead Ave.		
			Sigourney/Homestead Redevelopment Plan (Tract A, B, C) (4-20 ac.)		
			17-35 Bartholomew Ave. (1.15 ac.); 169 Bartholomew Ave. (1-2 ac.); 189 Bartholomew Ave. (5.8 ac.); 201 Bartholomew Ave. (12.2 ac.); 156-158, 160-161 Bartholomew Ave. (15,000 sf)		
			143-153 Hamilton Street (15,025 sf)		
		Winsted	114 Lake Street; 32 Lake Street	Use potential is unknown, although the property use at these sites is classified as industrial or commercial.	Margaret Johnson, Town Manager, Winsted; Ray Carpentino, Planner, Winsted
			7-11 Lake Street		
			111 Prospect Street		
			29 Prospect Street		
			45 Willow Street 119 Willow Street		

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information	
Connecticut	Brownfield Redevelopment	Winsted	177 Rowley Street; Rowley Street (Town Garage) (sites located on former landfill; CERCLIS site)	Use potential is unknown, although the property use at these sites is classified as industrial or commercial.	Margaret Johnson, Town Manager, Winsted; Ray Carpentino, Planner, Winsted	
			71-81 Gay Street			
			19-23 Gay Street			
		Winsted	169 Prospect Street; 135 Prospect Street	Use potential is unknown due to the lack of site information. Sites are classified as residential.		
			135 Willow Street			
		Winsted	Sixteen former manufacturing sites, including several of the above mentioned sites, were identified. Location information not available.	Use potential is low.		EPA Brownfields Assessment Demonstration Pilot.
			Norwich/Griswold	Five major undeveloped mill properties (four sites located in Norwich; one site located in Griswold). Location information not available.		Use potential is low as not sites requiring large volumes of dredged material have been identified at this time.
Middletown	Several waterfront sites, including two commercial sites and a wastewater treatment plant, located along the Connecticut River and one of its tributaries.	Use potential information not available.	James Sipperly, Environmental Planner, Planning Office, City of Middletown; EPA Brownfields Assessment Demonstration Pilot.			

**Potential Upland
Disposal Sites
Long Island Sound**

State	Re-use	City/Town	Location	Use Potential	Source of Information
Connecticut	Brownfield Redevelopment	Naugatuck Valley	Location information not available.	Use potential is high as there are several sites that may accept fill subject to DEP authorization.	Arthur Bogen, Down To Earth Consulting.
Rhode Island	Landfill	Johnston	Not within ZSF	Landfill may use limited amounts of dredged material.	Jeff Willis (Rhode Island Coastal Resources Management Council)
	Brownfield Redevelopment	Westerly	Riverfront properties located along the Pawcatuck River.	Use potential is low due to the small size of the brownfield sites.	
Pennsylvania	Mine fill	Penfield (Clearfield County)	Bark Camp Mines	Use potential is medium to high. Pending outcome of demonstration project, site capacity may be 11 billion cubic yards.	Mark Roth, ACOE, Regulatory Branch

APPENDIX B

POTENTIAL DREDGING CENTERS AND ALONGSHORE DISPOSAL AREAS

EXPLANATION OF TERMS AND QUALIFIERS

Potential Dredging Centers and Disposal Areas Long Island Sound

Chart Number

Refers to the identification numbers of nautical charts obtained from the National Oceanic and Atmospheric Administration (NOAA) for the project area.

State/City

Refers to the state and city where the dredging center is located. Geographic information obtained from the *Connecticut and Rhode Island Atlas & Gazetteer* (DeLorme, 1999) and the *New York State Atlas & Gazetteer* (DeLorme, 1998).

Dredging Center Location

The place-names of dredging center locations are based on geographic information obtained from the nautical charts and the *Connecticut and Rhode Island Atlas & Gazetteer* (DeLorme, 1999) and the *New York State Atlas & Gazetteer* (DeLorme, 1998). Geographic information for Suffolk County, New York was also obtained from a report entitled *Analysis of Dredging and Spoil Disposal Activity Conducted by Suffolk County, New York* (Suffolk County Planning Dept, 1985).

Approximate Size of Dredging Center

The approximate size of the dredging centers is based on a linear measurement (i.e., length) of the defined dredging channel as shown on the nautical chart. The size categories are as follows: small (0.0-0.25 miles); medium (0.25-0.75 miles), and large (greater than (>) 0.75 miles). The approximate size of dredging centers within potential harbors in the project area that lack defined dredged channels were assumed to be "small".

Dredging Channel Identified on Nautical Chart

Refers to whether or not a defined dredged channel (i.e., identified by parallel, dashed lines) is identified on the nautical chart.

Disposal Area Location (Approximate Size)

The geographic place-names of disposal areas are based on information obtained from the nautical charts and the *Connecticut and Rhode Island Atlas & Gazetteer* (DeLorme, 1999) and the *New York State Atlas & Gazetteer* (DeLorme, 1998). Geographic information for Suffolk County, New York was also obtained from a report entitled *Analysis of Dredging and Spoil Disposal Activity Conducted by Suffolk County, New York* (Suffolk County Planning Dept, 1985). The approximate size of potential disposal areas is based on linear shoreline distance (i.e., length) of the potential disposal area without regard for beach or intertidal width. The size categories are as follows: small (0.0-0.25 miles); medium (0.25-0.75 miles), and large (greater than (>) 0.75 miles).

Ownership

Public or private ownership of the disposal area locations is based on information obtained from the *Connecticut and Rhode Island Atlas & Gazetteer* (DeLorme, 1999) and the *New York State Atlas & Gazetteer* (DeLorme, 1998).

Distance from Dredging Center

The distance from a dredging center to potential disposal sites is based on measurements taken from the nautical charts. Distances are expressed as either less than (<) one mile, greater than (>) one mile, approximately (~) one mile, or plus or minus (+) one mile (in cases where the dredge center both falls within and exceeds one mile by virtue of its size). The distance may reflect a straight-line distance (if unimpeded by a shoreline or upland area) or an irregular measurement if a steep shoreline or upland area is located between the dredging center and potential disposal site. In some instances, the stated distance between the dredging center and

the disposal site assumes that the discharge pipe from a hydraulic dredge traverses a salt marsh and/or barrier beach enroute to the disposal site.

Beneficial Use

Beneficial use includes beach nourishment (BN), dune nourishment (DN), and subaqueous fill. Upland sites have been identified for a few dredging centers lacking any suitable alongshore beneficial use sites within approximately 1.0 mile of the dredging locus.

Use Potential

The use potential for any given disposal area is ranked according to several criteria detailed in Section 3.0 of the report.

**Potential Dredging Centers and Disposal Areas
Long Island Sound (New York)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
12367	NY, Rye	Milton Harbor	Medium	Yes (Federal)	Hen Island, northwest shore (small)	Public	± 1.0	BN (low)
		Port Chester Harbor/Byram River	Medium	Yes (Private)	Shoreline, north of Byram Pt. (small)	Private	<1.0	BN (low)
					West shore of Pt. Chester Harbor (medium)	Private	<1.0	BN (low)
			Inlet between No. Manursing Island and Kirby Pond	Small	No (unknown)	Spit, east of inlet	Public	<1.0
	NY, Mamaroneck	Larchmont Harbor (including Little Harbor Sound, Delancey Cove, and harbor between Greacen Pt. and Satan's Toe)	Medium	Yes (Private)	Shoreline, west side of Satan's Toe (small)	Private	<1.0	BN (low)
					Shoreline, between Satan's Toe and Delancy Point (small)	Private	≤1.0	BN (low)
						Private	≤1.0	BN (low)
		Mamaroneck Harbor	Large	Yes (Federal)	Shoreline, south of Orienta Pt. (small)	Private	≤1.0	BN (low)
					Shoreline, between Delancey Pt. And Satan's Toe (small)	Private	≥1.0	BN (low)
					Hen Island, northwest shore (small)	Private	±1.0	BN (low)
		NY, New Rochelle	Echo Bay (between Beaufort Pt. and Harrison Island)	Medium	Yes (no reported dredging)	Shoreline, south of Duck Pt. (small)	Private	<1.0
	Shoreline, south of Premium Mill Pond (small)					Private	≥1.0	BN (low)
	Municipal Marina					Public	≥1.0	BN (low)
	Premium Mill Pond (Unlikely to be dredged due to bridge impeding navigation)			No (unknown)				
12366/ 12367	NY, New Rochelle	New Rochelle Harbor	Medium	Yes (Federal)	Glen Island Park (small)	Public	<1.0	BN (high)

BN = Beach Nourishment
DN = Dune Nourishment

**Potential Dredging Centers and Disposal Areas
Long Island Sound (New York)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)	
12366/ 12367	NY, New Rochelle	Inlet, west of Hunter Island	Small	No (unknown)	Glen Island Park (small)	Public	±1.0	BN (low)	
					Orchard Beach (medium)	Public	<1.0 (assumes that discharge pipe traverses upland)	BN (low)	
						Private	≤1.0	BN (low)	
		Federal channel southwest of Davids Island	Medium	Yes (Federal)	Orchard Beach (medium)	Public	<1.0 (assumes that discharge pipe traverses upland)	BN (low)	
					Glen Island Park (small)	Public	<1.0	BN (high)	
12366	NY, New York	Hutchinson River	Large	Yes	Orchard Beach (medium)	Public	>1.0	BN (medium)	
					Turtle Cove (small)	Private	±1.0	BN (low)	
					Shoreline, west side of Rodman Neck	Private	±1.0	BN (low)	
		City Harbor	Small	No (unknown)	Shoreline, northwest of Belden Pt. (small)	Private	<1.0	BN (low)	
					Shoreline, southeast side of Rodman Neck (small)	Private	>1.0	BN (low)	
					Northeast shore of City Island (south of High Island) (small)	Private	<1.0	BN (low)	
		Weir Creek	Small	No (unknown)	Shoreline, south of Weir Creek	Private	<1.0	BN (low)	
		Yacht Club, Locust Point	Small	No (unknown)	North Shore of Throgs Neck	Private	<1.0	BN (low)	
					North Shore of Locust Point	Private	~1.0	BN (low)	
		Westchester Creek	Large	Yes (Federal)	Powell Cove (medium)	Private	>1.0 (assumes that discharge pipe crosses East River)	BN (low)	
					Shoreline, east of Old Ferry Point (medium)	Private	≥1.0	BN (low)	
		NY, North Hempstead	Manhasset Bay (between Plandome and Great Neck)	Large	Yes	Shoreline, west side of Manhasset Bay (small-medium)	Private	±1.0	BN (low)

BN = Beach Nourishment
DN = Dune Nourishment

**Potential Dredging Centers and Disposal Areas
Long Island Sound (New York)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)			
12366	NY, North Hempstead	Manorhaven (East and West Harbors)	Medium	No (unknown)	Shoreline, west of Tom's Point (small)	Private	<1.0	BN (low)			
					Manorhaven Beach (small)	Public	<1.0	BN (low)			
					Plum Point (small)	Private	<1.0	BN (low)			
		Tidal Pond (south of Hewlett Pt.)	Small	No (unknown)	Shoreline, southeast of inlet (small)	Private	<1.0	BN (low)			
		Little Neck Bay	Small	No (unknown)	Shoreline, southwest side of Little Neck Bay (medium)	Private	<1.0	BN (low)			
		Udalls Mill Pond	Small	No (unknown)	Shoreline on either side of inlet (small)	Private	<1.0	BN (low)			
			East Creek (unlikely to be dredged due to limited navigation and anchorage potential)		No (unknown)						
	NY, Oyster Bay	Glenwood Landing (Hempstead Harbor)	Small	Yes	West shore of Hempstead Harbor (small-medium)	Private	≤1.0	BN (low)			
					Bar Beach Park (small)	Public	<1.0	BN (high)			
					Motts Cove (Hempstead Harbor)	Small	Yes (Federal)	Bar Beach Park (small)	Public	<1.0	BN (high)
					Mosquito Cove/Glen Cove Creek	Large	Yes (Federal)	Shoreline, south of Mosquito Cove (medium)	Private	≤1.0	BN (low)
								Morgan Park Beach (small)	Public	<1.0	BN (high)
			Shoreline, north of inlet (medium)	Public	<1.0	BN (high)					
12367	NY, Oyster Bay	Dosoris Pond (unlikely to be dredged due to limited potential for navigation)		No (unknown)							
		Frost Creek (unlikely to be dredged due to limited potential for navigation)		No (unknown)	Stehli Beach (small-medium)	Public	<1.0	BN (high)			
					Charles E. Ransom Beach (small-medium)	Public	~1.5	BN (medium)			

BN = Beach Nourishment
DN = Dune Nourishment

**Potential Dredging Centers and Disposal Areas
Long Island Sound (New York)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
12365	NY, Oyster Bay	Mills Neck Creek	Small	No (unknown)	West shoreline of Centre Island (medium)	Private	>1.0	BN (low)
					Oyster Bay National Wildlife Refuge	Public	~1.0	BN (low)
					Centre Island Beach (small-medium)	Public	<1.0 (assumes discharge pipe traverses upland)	BN (low)
					Beekman Beach/Park (small-medium)	Public	~1.5	BN (medium)
					Shoreline, north side of West Harbor	Private	±1.0	BN (low)
	NY, Oyster Bay/Huntington	Colds Spring Beach Inlet	Small	No (unknown)	West and East shorelines of Cold Spring Harbor (small-medium)	Private	±1.0	BN (low)
					Cold Spring Beach and barrier spit north of Cold Spring Beach	Private	<1.0	BN (medium)
	NY, Huntington	The Sand Hole	Small	No (unknown)	Beach, east of Lloyd Point	Private	<1.0	BN/DN (medium)
					Beaches on either side of Sand Hole inlet	Private	<1.0	BN (medium)
		Lloyd Harbor	Small	No (unknown)	Shoreline, west of Huntington Harbor inlet	Private	±1.0	BN (low)
					Floyd Beach (medium) and West Neck Beach (small) (beaches located along the east side of Cold Spring Harbor)	Private (Floyd Beach), Public (West Neck Beach)	1.0-1.5 (assumes that discharge pipe traverses salt marsh and barrier beach)	BN/DN (medium)
					East Beach (medium)	Private	>1.0	BN/DN (medium)
		Huntington Harbor	Small	No (Federal)	Beaches, either side of inlet	Private	±1.0	BN (low)
					Gold Star Battalion Beach (small)	Public	±1.0	BN (high)
		Centerport Harbor	Small	No (unknown)	Fleets Cove Beach (small)	Public	<1.0	BN (high)
					Crescent Beach (small-medium)	Public	>1.0	BN (medium)
					Centerport Beach (small-medium)	Public	<1.0	BN (high)
	Northport Harbor	Small	No (Federal)	Shoreline, west side of Northport Harbor (north of Bird Island) (medium)	Private	≤1.0	BN (low)	
				Bird Island (capacity ?)	Private	<1.0	BN (medium)	

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Long Island Sound (New York)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
12365	NY, Huntington	Inlet northeast of Bluff Point	Small	No (unknown)	Asharoken Beach (bay side) (small-medium)	Public	<1.0	BN (high)
					Shoreline, south of Bluff Pt. (small)	Private	<1.0	BN (low)
		Duck Harbor	Small	No (unknown)	Asharoken Beach (Long Island Sound side) (large)	Private	<1.0 (assumes discharge pipe crosses barrier beach)	BN/DN (medium)
					Asharoken Beach (bay side) (small-medium)	Public	>1.0	BN (medium)
		Price Bend	Small	No (unknown)	West Beach (medium)	Private	<1.0 (assumes discharge pipe crosses barrier beach)	BN/DN (medium)
					Hobart Beach (medium)	Public	<1.0	BN/DN (high)
		Eatons Neck Basin	Small	No (unknown)	Beaches, either side of Eaton Neck Point	Private	<1.0	BN (medium)
					Shoreline, south of inlet	Private	<1.0	BN (low)
		Northport Basin	Small	Yes (private)	Asharoken Beach (Long Island Sound side) (large)	Private	<1.0	BN/DN (medium)
					Asharoken Beach (bay side) (small-medium)	Public	>1.0	BN (high)
					Crab Meadow Beach	Public	<1.0	BN (high)
		Blanchard Lake	Small	No (unknown)	Asharoken Beach (Long Island Sound side) (large)	Private	<1.0	BN/DN (medium)
					Asharoken Beach (bay side) (small-medium)	Public	>1.0	BN (high)
					Crab Meadow Beach	Public	<1.0	BN (high)
12364	NY, Huntington	Makamah Beach Inlet (unlikely to be dredged due to limited navigation and anchorage potential)		No (unknown)				

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Long Island Sound (New York)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
12364	NY, Smithtown	Nissequogue River	Large	Yes	Sunken Meadow State Park (large)	Public	±1.0	BN/DN (high)
					Short Beach (small)	Public	<1.0	BN/DN (high)
		Porpoise Channel (Stony Brook Harbor)	Large	Yes	Long Beach Town Park and Schubert's Beach (large)	Public	<1.0 (assumes discharge pipe traverses barrier/beach)	BN/DN (high)
					Stony Brook Beach (small)	Public	±1.0	BN (high)
	West Meadow Beach (large)				Public	±1.0	BN/DN (high)	
	NY, Brookhaven	Flax Pond	Small	No (unknown)	Beach, southeast of Crane Neck Point (large)	Private	<1.0	BN (low)
		Port Jefferson Harbor	Large	Yes (Federal; no recent reported dredging)	Old Field Beach (large)	Private	±1.0	BN (medium)
					Mt. Misery Point/White Beach (large)	Private	±1.0	BN (medium)
		Setauket Harbor	Small	No (unknown)	Old Field Beach (large)	Private	>1.0	BN (medium)
		The Narrows (Conscience Bay)	Small	No (unknown)	Old Field Beach (large)	Private	<1.0	BN/DN (medium)
		Mt. Sinai Harbor	Small	No (unknown)	Cedar Beach (large)	Public	<1.0	BN/DN (high)
Beach, west of Inlet (medium)	Private				≥1.0	BN (low)		
12354	Brookhaven/Riverhead	Wading River (including small inlet located west of Wading River)	Small	No (unknown)	Wading River Beach (small)	Public	<1.0	BN (high)
12358	NY, Southold	Mattituck Inlet	Large	Yes (Federal)	Beach, west of inlet (medium)	Private	<1.0	BN (low)
					Beach, east of inlet (medium)	Private	<1.0	BN (medium)
		Goldsmith Inlet	Small	Yes (private)	Beach, west of inlet (medium)	Public	<1.0	BN (high)
					Horton Lane Beach (east of inlet) (small)	Public	<1.0	BN (high)
					Beaches, eastern end of Horton lane Beach (small-medium)	Public	>1.0	BN (medium)
Plum Island (small harbor north of Pine Pt.)	Small	No (unknown)	Shoreline, south of inlet (small)	Private	<1.0	BN (medium)		

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Long Island Sound (New York)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
12358	NY, Southold	Orient Point Inlet	Small	Yes (private)	Beach, southwest of inlet (medium)	Private	<1.0	BN (medium)
		Hallock Bay and Little Bay	Small	No (unknown)	Orient Beach State Park (large)	Public	<1.0	BN/DN (high)
					Shoreline, Peters Neck Point (small)	Private	<1.0	BN (low)
		Dam Pond (small harbor south of Truman Beach)	Small	No (unknown)	Truman Beach (medium)	Private	<1.0	BN/DN (medium)
					Beach, northeast of inlet	Private	<1.0	BN (low)
					Beach, south of Marion Lake (small)	Private	<1.0	BN (medium)
		Small harbors (2) east of Cleaves Point	Small	No (unknown)	Beach, south of Marion Lake (small)	Private	<1.0	BN (medium)
		Gull Pond Inlet	Small	Yes (private)	Beach, northwest of Cleaves Point (small)	Public	~1.0	BN (high)
					Beach, southwest of inlet (small)	Private	<1.0	BN (medium)
		Stirling Basin (Greenport Harbor)	Small	No (unknown)	Beach, northeast of Young's Point (small)	Private	<1.0	BN (medium)
					Norman Klipp Park (small)	Public	<1.0	BN (high)
					Beach, south of Marion Lake (medium)	Private	~1.0	BN (medium)
		Pipes Cove	Small	No (unknown)	Beach, northwest of Fanning Pt. (medium)	Private	<1.0	BN (medium)
		Inlet at Conkling Point and small harbor west of Conkling Point	Small	No (unknown)	Beach, west of Conkling Pt. inlet (small)	Private	<1.0	BN (medium)
					Beach, north of Conkling Pt. inlet (small)	Private	<1.0	BN (medium)
		Mill Creek	Small	No (unknown)	Beach, seaward of Beixedon Estates (small)	Private	<1.0	BN (medium)
					Southold Town Beach (medium)	Public	≥1.0	BN (medium)
		Town Creek/Jockey Creek	Small	No (unknown)	Beach, northeast of inlet (small)	Private	<1.0	BN (medium)
					Beach, south of inlet (small)	Public	<1.0	BN (high)
					Beach, seaward of Beixedon Estates (small)	Private	<1.0	BN (medium)

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Long Island Sound (New York)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
12358	NY, Southold	Goose Creek (unlikely to be dredged due to limited potential for significant navigation)	Small	No (unknown)	Beach, north of inlet	Private	<1.0	BN (medium)
					Beach, seaward of Beixedon Estates (small)	Private	<1.0	BN (medium)
		Reydon Shores	Small	No (unknown)	Shoreline, either side of inlet (small)	Private	<1.0	BN (low)
		Inlet southwest of Cedar Beach Point	Small	No (unknown)	Shoreline between Cedar Beach Point and Paradise Point (medium)	Private	<1.0	BN (low)
					Shoreline west of inlet (small)	Private	<1.0	BN (low)
		Inlet west of Cedar Beach Point Harbor	Small	No (unknown)	Shoreline, either side of inlet (small)	Private	<1.0	BN (low)
		Laughing Waters/ Corey Creek	Medium	Yes (private)	Beach, west of inlet (medium)	Private	<1.0	BN (medium)
					Shoreline, Indian Neck (small)	Private	<1.0	BN (medium)
		Indian Neck Inlet (Richmond Creek)	Medium	No (unknown)	Shoreline, Indian Neck (small)	Private	≤1.0	BN (medium)
					Beach east of inlet (small)	Private	<1.0	BN (low)
		Inlet southwest of Indian Neck (Little Creek)	Medium	No	Shoreline, Indian Neck (small)	Private	<1.0	BN (medium)
					Shoreline east side of Little Hog Neck (medium)	Private	<1.0	BN (low)
		Small inlets, southwest side of Little Hog Neck	Small	No (unknown)	Shoreline, southwest shoreline of Little Hog Neck	Private	<1.0	BN (low)
					Barrier spit, northwest of inlets (medium)	Private	<1.0	BN (medium)
		East Creek, Mud Creek, and Broadwater Cove	Large	Yes (private)	Shoreline, east side of Little Hog Neck (large)	Private	<1.0 (Assumes discharge pipe traverses barrier beach)	BN (low)
					Barrier spit, west side of Little Hog Neck (medium)	Private	<1.0	BN (medium)
Beaches on either side of inlet (small)	Private				<1.0	BN (medium)		

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Long Island Sound (New York)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)	
12358	NY, Southold	Wickham Creek	Small	Yes (private)	Beach, southwest of inlet (small)	Private	<1.0	BN (medium)	
					Barrier spit, west side of Little Hog Neck (medium)	Private	<1.0	BN (medium)	
		New Suffolk Inlet (Schoolhouse Creek)	Small	No (unknown)	Shoreline, either side of inlet	Private	<1.0	BN (low)	
					Barrier spit, west side of Little Hog Neck (medium)	Private	~1.0	BN (medium)	
					New Suffolk Beach (small)	Public	~1.0	BN (high)	
		West Creek	Small	Yes (private)	New Suffolk Beach (small)	Public	~1.0	BN (high)	
		Downs Creek (Unlikely to be dredged due to limited potential for navigation)	Small	No (unknown)					
		Deep Hole Creek and inlet to east (Halls Creek)	Medium	Yes (private)	Shoreline, west of Marratooka Point (small)	Private	<1.0	BN (low)	
	James Creek	Medium	Yes (private)	Beach/shoreline, east of inlet to Marratooka Point (small)	Private	<1.0	BN (low)		
				Shoreline/beach, west of inlet (medium)	Private	<1.0	BN (low)		
	NY, Riverhead	Brush Creek	Small	Yes (private)	Beach, northeast of inlet (medium)	Private	<1.0	BN (low)	
					Shoreline/beach, west of inlet (small)	Private	<1.0	BN (low)	
		East Creek	Small	Yes (private)	Jamesport Beach, northeast of inlet (small)	Public	<1.0	BN (high)	
					Beach, southwest of inlet (Miamogue Point) (small)	Private	<1.0	BN (low)	
		South Jamesport Inlet	Small	Yes (private)	Miamogue Point (small)	Private	<1.0	BN (low)	
					Jamesport Beach, northeast of inlet (small)	Public	<1.0	BN (high)	
South Jamesport Inlet (Hauder Creek)		Small	Yes (private)	Simmons Point (small)	Private	<1.0	BN (low)		
				Beach, Red Cedar Point (small)	Private	<1.0 (assumes discharge pipe crosses Flanders Bay)	BN (low)		

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Long Island Sound (New York)**

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12358	NY, Riverhead	Miamogue Lagoon	Small	Yes (private)	Simmons Point (small)	Private	<1.0	BN (low)
					Beach, Red Cedar Point (medium)	Private	<1.0 (assumes discharge pipe crosses Flanders Bay)	BN (low)
		Small inlet between Reeves Creek and Simmons Point (Dreamers Cove)	Small	Yes (private)	Shoreline, on either side of inlet (medium)	Private	<1.0	BN (low)
		Reeves Creek, Meetinghouse Creek, and Terry's Creek	Large	Yes (private)	Beach between Reeves Creek and Simmons Point (medium)	Private	≤1.0	BN (low)
					Beach, Goose Creek Point (small)	Private	≤1.0	BN (low)
					Indian Island (small)	Private	<1.0	BN (medium)
		Peconic River and Sawmill Creek	Large	Yes (private)	Beach between Reeves Creek and Simmons Point (medium)	Private	±1.0	BN (low)
					Beach, Goose Creek Point (small)	Private	±1.0	BN (low)
					Indian Island (small)	Private	<1.0	BN (medium)
		Reeves Bay	Medium	Yes (private)	Beach between Simmons Point and Reeves Creek (medium)	Private	±1.0	BN (low)
	Beach, Goose Creek Point (small)				Private	<1.0	BN (low)	
	Indian Island (small)				Private	<1.0	BN (medium)	
	NY, Southampton	Sylvan Royal Ave./Long Neck Blvd.	Small	Yes (private)	Beach, Goose Creek Point (small)	Private	<1.0	BN (low)
					Beach between Simmons Point and Reeves Creek (medium)	Private	<1.0	BN (low)
					Indian Island (small)	Private	<1.0	BN (medium)

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Long Island Sound (New York)**

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12358	NY, Southampton	Goose Creek	Small	No (unknown)	Beach, Goose Creek Point (small)	Private	<1.0	BN (low)	
					Beach between Simmons Point and Reeves Creek (medium)	Private	≤1.0	BN (low)	
		Birch Creek	Small	No (unknown)	Beach Goose Creek Point (small)	Private	<1.0	BN (low)	
					Beach, Red Cedar Point (medium)	Private	<1.0	BN (medium)	
		Mill Creek	Small	No (unknown)	Beach, Red Cedar Point (medium)	Private	<1.0	BN (medium)	
					Beach, Goose Creek Point (small)	Private	<1.0	BN (low)	
		Hubbard Creek	Small	No (unknown)	Beach, Red Cedar Point (medium)	Private	<1.0	BN (medium)	
		Inlet, Red Creek Pond	Small	Yes (private)	Beach, Red Cedar Point (medium)	Private	<1.0	BN (medium)	
					Beaches on either side of inlet (medium)	Private	<1.0	BN (medium)	
		Squire Pond	Small	No (unknown)	Beaches on either side of inlet (small)	Private	<1.0	BN (low)	
		Shinnecock Canal	Medium	Yes (private)	Beach, west of inlet (medium)	Private	<1.0	BN (low)	
					Beach, east of inlet (medium)	Private	<1.0	BN (medium)	
		Cold Spring Pond	Medium	Yes (private)	Beach, west of inlet (medium)	Private	<1.0	BN (medium)	
					Beach, east of inlet (medium)	Private	<1.0	BN/DN (medium)	
		Little Sebonac Creek (Unlikely to be dredged due to wide beach blocking navigation)		No (unknown)					
		Sebonac Creek	Medium	Yes (private)	Beach, southwest of inlet (medium)	Private	<1.0	BN (medium)	
					Beach, north of inlet (small)	Private	<1.0	BN (low)	
		North Sea Harbor	Medium	Yes (private)	Beach, east of inlet (medium)	Private	<1.0	BN/DN (medium)	
Beach, west of inlet (small)	Private				<1.0	BN (low)			

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12358	NY, Southampton	Wooley Pond	Small	Yes (private)	Beach, southwest of inlet (medium)	Private	<1.0	BN/DN (medium)
		Fresh Pond	Small	No (unknown)	Shoreline on either side of inlet (small)	Private	<1.0	BN (medium)
		Noyack Creek	Medium	Yes (private)	Beach, north of inlet (small)	Public/Private (Morton NWR)	<1.0	BN/DN (high)
					Beach east of inlet (small)	Private	<1.0	BN (medium)
		Mill Creek	Small	Yes (private)	Shoreline, northeast of inlet (small)	Private	≥1.0	BN (medium)
					Long Beach (medium)	Private	≤1.0	BN (medium)
		Inlet between Gleason Point and Tyndal Point	Small	Yes (private)	Shoreline, east of Gleason Point (small)	Private	<1.0	BN (low)
		Small inlets north of Sag Harbor (Unlikely to be dredged due to limited potential for navigation)	Small	No (unknown)	Shoreline, north of Sag Harbor entrance (medium)	Private	<1.0	BN (medium)
	Sag Harbor (outer harbor, Sag Harbor, Cove, Upper Sag Harbor, and Pynes Creek)	Medium (each section)	Yes (private)	Long Beach (medium)	Public	<1.0	BN (high)	
				Shoreline, north of harbor entrance (medium)	Private	±1.0	BN (medium)	
	NY, East Hampton	Northwest Creek	Small	Yes (private)	Beach east of inlet (small)	Private	<1.0	BN/DN (medium)
					Beach/shoreline, west side of Barcelona Neck (small)	Private	<1.0	BN (low)
		Small inlet northeast of Northwest Creek	Small	Yes (private)	Beach, east of Northwest Creek inlet (small)	Private	<1.0	BN/DN (medium)
					Shoreline, north of inlet (small)	Private	<1.0	BN (low)
		Threemile Harbor	Medium	Yes (private)	Sammy's Beach (medium)	Private	±1.0	BN/DN (medium)

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Long Island Sound (New York)**

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12358	NY, Shelter Island	Congdons Creek	Medium	Yes (private)	Beach, southeast of Congdon's Creek (small)	Private	<1.0	BN (medium)
					Beach, north of Congdon's Creek (small)	Private	<1.0	BN (medium)
					Beaches, Little Ram Island (small-medium)	Private	<1.0	BN (medium)
					Town Landing, Upper Beach (small)	Public	>1.0	BN (medium)
					Town Landings, Lower Beach, between Little Ram Isl. and Big Ram Isl. (small)	Public	1.0-1.5	BN (medium)
		Dering Harbor	Small	No (unknown)	Town Landing, between Hay Beach Pt. And Dering Pt.	Public	<1.0	BN (medium)
					Crescent (Louis) Beach (small-medium)	Public	1.0-1.5	BN (medium)
					Shoreline, west of harbor entrance (small)	Private	<1.0	BN (low)
13214	NY, Fishers Island	West Harbor	Medium	Yes (private)	Shoreline, south of Clay Pt. (small)	Private	≥1.0	BN (low)
		Hay Harbor	Small	No (Federal)	Barrier spit fronting Hay Harbor (small)	Private	<1.0	BN (medium)
		Silver Eel Cove	Small	No (unknown)	Barrier spit fronting Hay Harbor (small)	Private	<1.0	BN (medium)

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
12367	CT, Byram	Byram Harbor	Small	No (unknown)	Shoreline, northwest of Field Pt. (small)	Private	<1.0	BN (low)
	CT, Greenwich	Greenwich Harbor	Large	Yes (Federal)	Shoreline, northwest of Field Pt. (small)	Private	±1.0	BN (low)
					Shoreline, northwest of Horse Island (small)	Private	≥1.0	BN (low)
		Indian Harbor	Small	No (unknown)	Shoreline, northwest of Horse Island (small)	Private	≤1.0	BN (low)
		Cos Cob Harbor	Large	Yes (Federal)	Beaches on either side of Todd Pt. (small-medium)	Private	±1.0	BN (low)
		Greenwich Cove (north and south)	Small (south channel) Medium (north channel)	Yes (private)	Beach, north of Greenwich Pt. (medium)	Private	≤1.0	BN (medium)
	CT, Stamford	Dolphin Cove	Small	No (unknown)	Beach, north of Greenwich Pt. (medium)	Private	1.0-2.0	BN (medium)
					Shoreline, west side of Old Greenwich (small)	Private	≥1.0	BN (low)
					Shoreline, west of Peck Pt. (small)	Private	<1.0	BN (low)
					Shoreline, west of Davenport Pt. (small)	Private	<1.0	BN (low)
		Stamford Harbor and Stamford Yacht Club	Large	Yes (Federal)	Shoreline, north of Shippan Pt. (medium)	Private	<1.0	BN (low)
					Shoreline, west side of Old Greenwich (small)	Private	≥1.0	BN (low)
					Mainland shore, north of yacht club	Private	<1.0	BN (low)
					Shoreline, west of Davenport Pt. (small)	Private	±1.0	BN (low)
					Beach, north of Greenwich Pt. (medium)	Private	1.75-3.5	BN (medium)
	Shoreline, west of Peck Pt. (small)	Private	±1.0	BN (low)				

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)	
12368	CT, Stamford	Westcott Cove	Medium	Yes (Federal)	Shoreline, west and north sides of Westcott Cove (medium)	Private	<1.0	BN (low)	
		Pratt Island and Cove Harbor	Small	No (unknown)	Southeast shore of Pratt's Island (small)	Private	<1.0	BN (low)	
	CT, Darien	Holly Pond (unlikely to be dredged due to tidal barrier at mouth of pond)	Small	No (unknown)	Southeast shore of Pratt's Island (small)	Private	<1.0	BN (low)	
		Goodwives River and small Inlet north of Nash Island	Small	No (unknown)	Shoreline, south of Pear Tree Pt. (small)	Private	<1.0	BN (low)	
		Scott Cove and Zeigler's Cove	Small	No (unknown)	Shoreline, between Hay Island and Long Neck Pt. (small)	Private	±1.0	BN (low)	
	CT, Norwalk/Darien	Fivemile River	Large	Yes (Federal)	Pocket beaches within 0.5 miles east and west of the mouth of Fivemile River (small)	Private	±1.0	BN (low)	
	CT, Norwalk	Wilson Cove		Medium	Yes (Federal)	Pocket beach, east shore of Bell Island (small)	Private	<1.0	BN (low)
						Shoreline, southwest of Wilson Cove (small)	Private	<1.0	BN (low)
		Village Creek		Medium	Yes (private)	No disposal sites located within one mile of Village Creek			
		Norwalk Harbor (Norwalk River)		Large	Yes (Federal)	Calf Pasture Beach (medium)	Public	±1.0	BN/DN (high)
						Shorehaven Beach (small)	Private	>1.0	BN/DN (medium)
		Charles Creek (Marina)		Small	Yes (private)	Calf Pasture Beach (medium)	Public	<1.0	BN (high)
						Shorehaven Beach (small)	Private	>1.0	BN (medium)
		East Norwalk Harbor		Medium	Yes (private)	Calf Pasture Beach (medium)	Public	>1.0	BN (high)
Harborview Inlet		Small	No (unknown)	Calf Pasture Beach (medium)	Public	~1.0 (assumes crossing Norwalk Harbor channel)	BN (medium)		
Inlet near Shorehaven and Canfield Island (unlikely to be dredged due to road and shallow water conditions)			No (unknown)						

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)	
12368	CT, Westport	Bermuda Lagoon	Medium	Yes (private)	Calf Pasture Beach (medium)	Public	±1.0	BN (high)	
					Shorehaven Beach (small)	Private	≤1.0	BN (medium)	
					Shoreline, west of Seymour Pt. (small)	Private	<1.0	BN (low)	
		Saugatuck Shores (marina)	Small	No (unknown)	Compo Beach (located across Saugatuck River Channel) (medium)	Public	≥1.0	BN (medium)	
					Shoreline, northwest of Cedar Point (located across Saugatuck River Channel) (small)	Private	<1.0	BN (low-medium)	
					Beach (Saugatuck Shores) (medium)	Public	<1.0	BN (high)	
		Duck Creek (marina)	Small	No (unknown)	Beach (Saugatuck Shores) (medium)	Public	<1.0	BN (high)	
					Shoreline, south of Owenoke (small)	Private	~1.0	BN (low)	
		Saugatuck River and Burritt Cove and Judy Cove (small)	Small	No (Federal)	Shoreline, south of Owenoke (small)	Private	±1.0	BN (low)	
					Compo Beach (medium)	Public	±1.0	BN (high)	
					Shoreline, northwest of Cedar Pt. (small)	Private	±1.0	BN (medium)	
		Gray's Creek (unlikely to be dredged due to limited potential for significant navigation)		No (unknown)					
		Small inlet west of Gray's Creek	Small	No (unknown)	Shoreline, south of Owenoke (small)	Private	<1.0	BN (low)	
					Shoreline, northwest of Cedar Pt. (small)	Private	<1.0	BN (medium)	
		Compo Yacht Basin	Small	Yes (private)	Compo Beach (medium)	Public	<1.0	BN (high)	
					Shoreline, northwest of Cedar Pt. (small-medium)	Private	<1.0	BN (medium)	
					Shoreline, south of Owenoke (small)	Private	<1.0	BN (low)	
		Sherwood Mill Pond (unlikely to be dredged due to limited potential for significant navigation)	Small	No (unknown)	Compo Beach (medium)	Public	<1.0	BN (high)	
Old Mill Beach (small)	Public				<1.0	BN (high)			
Sherwood Island State Park (two locations) (medium)	Public				≤1.0	BN (high)			
Shoreline, east of inlet (medium)	Private				<1.0	BN (medium)			

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
12369	CT, Westport	Alvord Beach Inlet	Small	No (unknown)	Burial Hill Beach (medium)	Public	<1.0	BN (high)
					Shoreline, west of Sherwood Pt. (Sherwood Island St. Pk.) (medium)	Public	±1.0	BN (medium)
					Alvord Beach (small)	Public	<1.0	BN (medium)
	CT, Fairfield	Southport Harbor	Medium	Yes (Federal)	Sasco Hill Beach (small)	Public	<1.0	BN (high)
					Southport Beach (small)	Public	<1.0	BN (high)
		Pine Creek	Small	No (unknown)	Sasco Hill Beach (small)	Public	<1.0	BN (high)
					South Pine Creek Beach	Public	<1.0	BN (high)
					Beach at Pine Creek Pt. (small)	Private	<1.0	BN (medium)
	CT, Fairfield/ Bridgeport	Ash Creek	Medium	Yes (private)	Fairfield Beach (Penfield/Rickard Beaches) (large)	Public/ Private	<1.0	BN/DN (high)
					Jennings Beach (small)	Public	<1.0	BN (high)
	CT, Bridgeport	Black Rock Harbor (Cedar Creek)	Large	Yes (Federal)	Fairfield Beach (Penfield/Rickard Beaches) (large)	Public/ Private	±1.0	BN/DN (high)
					Seaside Beach, (Fayerweather Island) (large)	Private ??	<1.0	BN/DN (medium)
					Jennings Beach (small)	Public	<1.0	BN (high)
	CT, Bridgeport	Bridgeport Harbor (including Yellow Mill Channel, Pequonnock River, & Johnson Creek)	Large	Yes (Federal)	Seaside Beach (Fayerweather Island) (large)	Private ?	±1.0	BN/DN (medium)
Long Beach/Pleasure Beach (large)					Public/ Private	±1.0	BN/DN (high)	
12369/ 12370	CT, Stratford	Short Beach Inlet	Small	No (unknown)	Short Beach (medium)	Public	<1.0	BN (high)
	CT, Stratford/ Milford	Housatonic River (Housatonic River mouth to Culver Bar)	Large	Yes (Federal)	Short Beach (medium)	Public	±1.0	BN (high)
					Cedar Beach/Laurel Beach (large)	Private	±1.0	BN (medium)
					Milford Pt. (medium) Steward B. McKinney NWR	Public	±1.0	BN/DN (high)
		Housatonic River, Mill Bar	Medium	Yes (Federal)	Upland Disposal			
		Housatonic River, Oronoque Bar (upper and lower)	Small-Medium					
12369/ 12370	CT, Stratford/ Milford	Housatonic River, Camp Meeting Bar	Small					

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
	CT, Shelton/ Orange	Housatonic River, Drews Bar	Medium	Yes (Federal)	Upland Disposal			
		Housatonic River, Moulthropps Bar	Medium					
		Housatonic River, Hidelum Rock Bar	Small					
	CT, Derby/ Shelton	Housatonic River, Two Mile Island Crossover	Medium					
		Housatonic River, Sow and Pigs Bar	Small					
		Housatonic River, Shelton Bar	Small					
12370	CT, Milford	Milford Harbor	Large	Yes (Federal)	Gulf Beach (medium)	Public	≤1.0	BN (high)
					Fort Trumbull (medium) & Silver Beaches (medium)	Private	±1.0	BN (medium)
					Bay View Beach (medium)	Private	≥1.0	BN (medium)
					Silver Sands State Park (small)	Public	>1.0	BN (high)
		Gulf Pond (unlikely to be dredged due to limited potential for significant navigation)		No (unknown)				
12370	CT, Milford	Calf Pen Meadow Creek (unlikely to be dredged due to limited potential for significant navigation)		No (unknown)				
12371	CT, Milford/ West Haven	Oyster River Inlet (unlikely to be dredged due to limited potential for significant navigation)		No (unknown)				
	CT, West Haven	Cove River (unlikely to be dredged due to limited potential for significant navigation)		No (unknown)				

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
12371	CT, West Haven/New Haven	West River	Large	Yes (Federal)	Sandy Point (medium)	Private	<1.0	BN/DN (medium)
	CT, New Haven	New Haven Harbor (including Quinnipiac)	Large	Yes (Federal)	Lighthouse Point Park (medium)	Public	±1.0	BN (high)
					West Haven Town Beach (large)	Public	≥1.5	BN (medium)
					Sandy Point (medium)	Private	<1.0 - ~4.0	BN (medium)
	CT, East Haven/New Haven	Morris Creek	Small	No (unknown)	Shoreline between Lighthouse Point and Morgan Pt. (medium)	Private	<1.0	BN (low)
Lighthouse Point Park (medium)					Public	<1.0	BN (high)	
12373	CT, East Haven	Bradford Cove	Small	No (unknown)	Town (Momauguin) Beach (medium)	Public	<1.0	BN (high)
	CT, East Haven/Branford	Farm River (E. Haven River)	Small	No (unknown)	Town (Momauguin) Beach (medium)	Public	<1.0	BN (high)
	CT, Branford	Johnson Point Inlets	Large	Yes (Federal)	Pages Cove (small)	Private	<1.0	BN (low)
					Shoreline, southeast of Indian Neck Point (small)	Private	±1.0	BN (low)
					Beach, Parker Memorial Park (small to medium)	Private	<1.0	BN (high)
					Limewood Beach (small) and shoreline southwest of Limewood Beach (medium)	Private	≥1.0 (assumes discharge pipe traverses upland to reach disposal area)	BN (low)
					Maltby Cove	Small	No (unknown)	Shoreline between Jeffrey Pt. and Indian Neck Pt. (small)
	Brown Point	Small	Yes (private)	Beach, Parker Memorial Park (small to medium)	Public	>1.0	BN (medium)	
				Limewood Beach (small) and shoreline southwest of Limewood Beach (medium)	Private	≥1.0	BN (low)	
				Beach, west of Brown Pt. (medium)	Private	<1.0	BN (low)	
				Hotchkiss Grove Beach (small)	Private	≤1.0	BN (medium)	

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
12373	CT, Branford	Juniper Point	Medium	Yes (private)	Hotchkiss Grove Beach (small-medium)	Private	≤1.0	BN (medium)
					Stony Creek Beach (small)	Public	<1.0	BN (high)
					Beach, west of Brown Pt.	Private	<1.0	BN (low)
		Stony Creek	Small	Yes (Federal)	Beach, west of Brown Pt. (medium)	Private	≥1.0	BN (low)
					Stony Creek Beach (small)	Public	<1.0	BN (high)
	Inlet northwest of Hoadley Neck (unlikely to be dredged due to limited potential for significant navigation)		No (unknown)					
	CT, Guilford	Little Harbor	Small	No (unknown)	Shoreline, upper reaches of Island Bay (small)	Private	<1.0	BN (low)
		Sachem Head Harbor	Small	No (unknown)	Shoreline, upper reaches of Joshua Cove (small)	Private	<1.0	BN (low)
	CT, Guilford	Guilford Harbor (West River)	Small	No (unknown)	Shoreline west of Hogshead Pt. (Circle Beach) (small)	Private	≥1.0	BN (low)
Jacobs Beach (small)					Public	<1.0	BN (high)	
Guilford Harbor (East River)		Medium	Yes (Federal)	Shoreline, west of Hogshead Point (Circle Beach) (small)	Private	<1.0	BN (low)	
				East River Beach (medium)	Private	≥1.0	BN (medium)	
Jacobs Beach (small)	Public	<1.0	BN (high)					
12374	CT, Madison	Seaview Beach and Webster Pt. Inlets (unlikely to be dredged due to limited potential for navigation)		No (unknown)				

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
12374	CT, Clinton/Madison	Clinton Harbor	Large	Yes (Federal)	Beach between Kelsey Point and Hammock Pt. (medium)	Private	±1.0	BN (low)
					Clinton Beach (large)	Private	≥1.0 (assumes that discharge pipe traverses salt marsh and barrier beach)	BN (medium)
					Town Beach (unkn)	Public	<1.0	BN (high)
					Hammonasset Beach (large)	Public	1.0 - 2.0 (assumes that discharge pipe traverses salt marsh and barrier beach)	BN/DN (medium)
	CT, Westbrook	Patchogue River & Menunketesuck River	Large	Yes (Federal)	Grove Beach (medium)	Private	≤1.0	BN (medium)
					Menunketesuck Island (medium ?)	Public	≤1.0	Upland fill/BN (high)
West Beach, or Town Beach (medium)					Public	±1.0	BN (medium)	
12375	CT, Old Saybrook	Indian Town Inlet	Small	Yes (private)	Chapman Beach and Chalker Beach (medium)	Private	<1.0	BN (medium)
					Harveys Beach (small)	Public	<1.0	BN (high)
					Plum Bank Beach (Town Beach) (medium)	Public	≤1.0	BN (high)
		Oyster River and Back River	Small	No (unknown)	Plum Bank Beach (Town Beach) (medium)	Public	≤1.0	BN (high)
					Chalker Beach and Chapman Beach (medium)	Private	≤1.0	BN (medium)
					Harveys Beach (small)	Public	<1.0	BN (high)
	CT, Old Saybrook	Connecticut River, Saybrook Outer Bar Channel	Medium	Yes (Federal)	Beach, west of channel (medium)	Private	<1.0	BN (low)
					Griswold Point (medium)	Private	≥1.0	BN (medium)
					Connecticut River, Saybrook Shoal Channel and North Cove	Large	Yes (Federal)	Griswold Point (medium)
CT, Essex and Lyme	Connecticut River, Essex Shoal Channel (including North Bar	Large	Yes (Federal)	Nott Island Wildlife Management Area (size ?)	Public	<1.0	Upland disposal	
				Thatchbed Island (size ?)	Private	<1.0	Upland disposal	

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)	
12375	CT, Old Saybrook and Old Lyme	Connecticut River, Calves Island Bar Channel and inlet	Large	Yes (Federal) (no defined channel for inlet west of Ferry Pt.)	Calves Island (size ?)	Private	<1.0	Upland disposal	
					Shoreline, north side of Ferry Pt. (small)	Private	<1.0	BN (low)	
	CT, Lyme and Deep River	Connecticut River, Brockway Bar Channel	Large	Yes (Federal)	Brockway Island (size ?)	Private	<1.0	Upland disposal	
	CT, Lyme	Hamburg Cove Inlet (Eightmile River) (tributary of the Connecticut River, Potash Bar	Small	No (Federal)	Brockway Island (size ?)	Private	<1.0	Upland disposal	
									Yes (Federal)
	CT, Haddam/ East Haddam	Connecticut River, Eddy Rock Shoal	Medium	Yes (Federal)	Upland Disposal	Private	<1.0	Upland disposal	
			Connecticut River, Warners Quarry Bar						Medium
			Connecticut River, Haddam Island Bar						Medium
			Connecticut River, Rock Landing Bar						Medium
			Connecticut River, Higganum Creek Shoal						Small
	CT, Middletown/ East Hampton	Connecticut River, Scovill Rock Bar	Medium	Yes (Federal)	Upland Disposal	Private	<1.0	Upland disposal	
			Connecticut River, Sears Shoal						Medium
			Connecticut River, Sears Shoal Upper Bar						Medium
	CT, Portland	Connecticut River, Cobalt Shoal/Paper Rock Shoal	Large	Yes (Federal)	Upland Disposal	Private	<1.0	Upland disposal	

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
12375	CT, Middletown	Connecticut River, Mouse Island Bar	Large	Yes (Federal)	Upland Disposal			
	CT, Cromwell/Portland	Connecticut River, Portland Bar	Medium					
		Connecticut River, Cromwell Bar	Medium					
		Connecticut River, Gildersleeve Island Shoal	Large					
		Connecticut River, Brownstone Bar	Large					
		CT, Glastonbury/Rock Hill	Connecticut River, Dividend Bar					
	CT, Glastonbury/Rock Hill	Connecticut River, Glastonbury Two Piers Bar	Large					
		CT, Wethersfield/Glastonbury	Connecticut River, Press Barn Bar					
	CT, Wethersfield/Glastonbury	Connecticut River, Naubuc Bar	Medium					
		Connecticut River, Hollow Bar	Medium					
	CT, Wethersfield, East Hartford, and Hartford	Connecticut River, Wethersfield Shoal	Medium					
	CT, Hartford/East Hartford	Connecticut River, Clay Banks Bar, Clay Banks Upper Bar, and Hartford Bar	Large					
	CT, Old Lyme	Black Hall River (unlikely to be dredged due to limited potential for navigation)		No (unknown)				

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)			
13211	CT, Old Lyme East Lyme	Fourmile River (unlikely to be dredged due to limited potential for navigation)		No (unknown)							
	CT, East Lyme	Pattagansett River	Small	No (unknown)	Shoreline, Rocky Neck State Park (small)	Public	≥1.0	BN (low)			
					Shoreline, northwest of Black Pt. (small)	Private	<1.0	BN (low)			
	CT, East Lyme/ Waterford	Niantic Bay	Large	Yes (Federal)	The Bar (medium)	Private	±1.0	BN (low)			
					Shoreline, Crescent Beach to McCook Pt. (medium)	Private	>1.0-2.5	BN (low)			
	CT, Waterford	Millstone Pt. (three small harbors)	Small	No (unknown)	Millstone Pt. Wildlife Management Area (small)	Public	<1.0	BN (high)			
					Barrier Spit, mouth of Jordan Cove	Private	±1.0	BN (medium)			
					Jordan Cove	Small	No (unknown)	Barrier Spit, mouth of Jordan Cove (small-medium)	Private	<1.0	BN (medium)
								State Boat Launching Area (small)	Public	<1.0	BN (low)
								Millstone Pt. Wildlife Management Area (small)	Public	<1.0	BN (high)
	13213	CT, Waterford/ New London	Alewife Cove	Small	No (unknown)	Ocean Beach (medium)	Public	<1.0	BN (high)		
						Waterford Beach Park (small to medium)	Public	<1.0	BN (high)		
Shoreline, west of Alewife Cove inlet (Harkness Memorial State						Public	<1.0	BN (high)			
CT, New London/ Groton		Thames River and New London Harbor	Large	Yes (Federal)	Ocean Beach (medium)	Public	±1.0	BN (medium-high)			
					Mitchell College Admissions Area (small)	Public	±1.0				
					Shoreline, west of Alewife Cove inlet (Harkness Memorial State Park) (small)	Public	>1.0	BN (low)			
					Shennecossett Beach (medium)	Private	≥1.0	BN (medium)			
					Osprey Beach (small)	Private	≥1.0	BN (medium)			
					Bushy Pt. Beach (Bluff Pt. Coastal Reserve) (medium)	Public	≥2.0	BN (medium)			
Upper Thames River to Norwich	Large	Yes (Federal)	Upland Disposal								

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
13214	CT, Groton	Baker Cove	Small	No (unknown)	Bushy Pt. Beach (Bluff Pt. Coastal Reserve) (medium)	Public	≤1.0	BN/DN (high)
					Shennecossett Beach (medium)	Private	>1.0	BN (low)
		Poquonock River	Small	No (unknown)	Bushy Pt. Beach (Bluff Pt. Coastal Reserve) (medium)	Public	<1.0	BN/DN (high)
		Mumford Cove	Small	No (unknown)	Venetian Harbor Beach (medium)	Private	<1.0	BN/DN (medium)
					Bushy Pt. Beach (Bluff Pt. Coastal Reserve) (medium)	Private	>1.0	BN/DN (medium)
		Venetian Harbor (marina)	Small	No (unknown)	Venetian Harbor Beach (medium)	Private	<1.0	BN/DN (medium)
					Bushy Pt. Beach (Bluff Pt. Coastal Reserve) (large)	Public	>1.0	BN/DN (medium)
	Palmer Cove (unlikely to be dredged due to limited potential for navigation)		No (unknown)					
	West Cove	Small	No (unknown)	Esker Point Beach (small)	Public	<1.0	BN (high)	
	CT, Stonington	Mystic Harbor	Large	Yes (Federal)	Williams Beach (small)	Public	±1.0	BN (high)
Murphy Pt. (small)					Private	±1.0	BN (low)	
Pequotsepos Brook (unlikely to be dredged due to limited potential for navigation)			No (unknown)					

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Connecticut)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
13214	CT, Stonington	Mason Island	Medium	Yes (private)	Shoreline, south of Clam Pt. (small)	Private	<1.0	BN (low)
		Quiambaug Cove (unlikely to be dredged due to limited potential for navigation)		No (unknown)				
		Stonington Harbor	Small	No (Federal)	DuBois Beach (small)	Public	<1.0	BN (high)
					Sandy Point (medium)	Private	~1.5	BN (medium)
		Quanaduck Cove (unlikely to be dredged due to limited potential for navigation)		No (unknown)				
Wequetequock Cove	Small	No (unknown)	Sandy Pt. (large)	Private	≥1.0	BN (medium)		

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**Potential Dredging Centers and Disposal Areas
Long Island Sound (Rhode Island)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)	
13214	RI, Westerly	Little Narragansett Bay	Large	Yes (Federal)	Sandy Pt. (large)	Private	≤1.0	BN (high)	
					Napatree Beach (large)	Public	±1.0	BN/DN (high)	
					DuBois Beach (small)	Public	±1.0	BN (medium)	
			Pawatuck River (and associated coves and inlets located upstream of river mouth)	Large	Yes (Federal)	Napatree Beach (large)	Public	≥1.0	BN/DN (high)
						Sandy Pt. (large)	Private	>1.0	BN (medium)
			Watch Hill Cove and Foster Cove	Small	Yes (private)	Napatree Beach (large)	Public	<1.0	BN/DN (high)
						Watch Hill Beach (medium)	Public	<1.0	BN (high)
						East Beach (large)	Public	>1.0	BN (medium)
		13215	RI, Westerly	Weekapaug Breachway (Winnapaug Pond)	Small	No (unknown)	Misquamicut State Beach (large)	Public	≤1.0
Atlantic Beach (large)	Public						<1.0	BN/DN (high)	
Dunes Park Beach (unkn)	Public						<1.0	BN (high)	
RI, Charlestown	Quonochontaug Breachway		Small	No (unknown)	Weekapaug Beach (large)	Private	<1.0	BN/DN (medium)	
					Quonochontaug Beach (small)	Public	<1.0	BN (high)	
					Blue Shutters Town Beach (small)	Public	<1.0	BN/DN (high)	
			Charlestown Breachway	Small	No (unknown)	Charlestown Town Beach (medium)	Public	<1.0	BN/DN (high)
						Charlestown Breachway State Beach (small)	Public	<1.0	BN/DN (high)
						Ninigret Conservation Area (East Beach) (large)	Public	<1.0	BN/DN (high)
						Ninigret National Wildlife Area (small)	Public	<1.0	BN/DN (high)
RI, Narragansett	Pt. Judith Sound Inlet		Medium	Yes (Federal)	Succotash Road Salt Marsh (size unknown)	Private	<1.0	Potential Coastal Wetland Restoration (high)	
					East Matunuck State Beach (medium)	Public	<1.0	BN/DN (high)	
					Salty Brine State Beach (small)	Public	<1.0	BN/DN (high)	
					Mary Carpenters Beach (small)	Public	≤1.0	BN (high)	
					Roy Carpenter's Beach (unkn)	Public	~1.5	BN (medium)	
Capt. Roger W. Wheeler Beach (medium)	Public	~1.0	BN/DN (high)						

BN = Beach Nourishment
DN = Dune Nourishment

**Potential Dredging Centers and Disposal Areas
Long Island Sound (Rhode Island)**

Chart No.	State City	Dredging Center Location	Approx. Size of Dredging Center	Dredging Channel Identified on Nautical Chart (Dredging Status)	Disposal Area Location (Approx. Size)	Ownership	Distance from Dredging Center (miles)	Beneficial Use (Use Potential)
13215	RI, New Shoreham	Great Salt Pond	Medium	Yes (Federal)	Charlestown Beach (medium)	Public	<1.0	BN/DN (high)
					Logwood Cove (medium)	Public	<1.0	BN (high)

BN = Beach Nourishment
DN = Dune Nourishment

APPENDIX C

POTENTIAL SALT MARSH RESTORATION SITES

**Potential Salt Marsh Restoration Sites
Long Island Sound**

State	City/Town	Location	Use Potential	Information Source
New York			No marsh restoration is likely to occur along the north shore of Long Island pending completion of a marsh erosion trends analysis.	Karen Chytalo, New York Dept. of Environmental Conservation; Ron Bertan, U.S. Army Corps of Engineers, NY District; Lisa Holst, Habitat Restoration Coordinator for Long Island Sound Program, New York Department of Environmental Conservation
Connecticut	Guilford	Sluice Creek	Potential for dredged material disposal is unknown due to lack of subsidence data. DEP is proposing to model tidal flows to determine if the marsh can be restored through flow restoration.	Ron Rosza, Connecticut DEP's Long Island Sound Program
		Lost Lake	Potential for dredged material disposal may be limited by distance from existing navigation channels, lack of elevation data, and whether restoration of tidal flows alone could restore marshes.	
	Branford	Sybil Creek	Long Island Sound Program (LISP) currently developing a plan to restore partial tidal flows. Use potential for dredged material disposal is unknown.	
	New Haven	Mill River	Use potential for dredged material disposal is unknown, although community interest in restoring wetlands. DEP is working with the City of New Haven to restore tidal flows to marsh.	

**Potential Salt Marsh Restoration Sites
Long Island Sound**

State	City/Town	Location	Use Potential	Information Source
Connecticut	West Haven	Old Field Creek	Based on preliminary studies, elevations on these sites may not need to be raised. Flow restoration may be sufficient to restore wetlands.	Ron Rosza, Connecticut DEP's Long Island Sound Program
		Cove Creek		
	Fairfield	Upstream of mouth of Pine Creek	Use potential for dredged material disposal is unknown. Tidal flows are currently regulated by self-regulating tide gates.	
	Norwalk/Darien	Five Mile River	Possible need for dredged material disposal due to loss of wetlands as a result of sea-level rise.	
	North Haven	Quinnipiac River marshes	Potential need for dredged material disposal due to subsidence of marshes.	
Rhode Island	South Kingstown/ Narragansett	Succotash Road salt marsh	Potential coastal restoration site	Jeff Willis (Rhode Island Coastal Resources Management Council) and A Blueprint for Rhode Island's Coastal Habitats, Restoration Opportunities & Accomplishments, 2000

APPENDIX D

**LOCATION OF DREDGING CENTERS AND DISPOSAL SITES FOR POTENTIAL
BENEFICIAL USE OF DREDGED MATERIAL (MAPS)**

FIGURE 1

FIGURE 2

FIGURE 3

FIGURE 4

FIGURE 5

APPENDIX E

REFERENCES

REFERENCES

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APPENDIX F
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Bisi, Mike. Glastonbury Public Works, Glastonbury, Connecticut.

Bogen, Arthur. Down To Earth Consulting Co.

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Sykes, Larry. Economic Development Office, Yonkers, New York.

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Wilson, Andrew. Deputy Commissioner, Brookhaven Landfill, Brookhaven, New York.

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APPENDIX G

LIST OF NAVIGATIONAL CHARTS

LIST OF NAVIGATIONAL CHARTS

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