

**Appendix O- Approved Sediment Sampling and Analysis Plan,
Sediment Sampling Results, Written Consent from Disposal Facility**

Ocean Wind Offshore Wind Farm

Overview of Sediment Sampling and Analysis of Near Shore and Inshore Installation Activities

**January 2023
Revision 1**

1. Introduction

Background

Ocean Wind, LLC (Ocean Wind), a joint venture of Ørsted Wind Power North America, LLC (Ørsted) and Public Service Enterprise Group (PSEG), prepared and submitted the attached Sediment Sampling and Analysis Plan (SSAP; **Attachment A**) for the proposed dredging operations potentially required to support the installation of export cables for the Ocean Wind 1 Offshore Wind Farm renewable energy project (Project). Ocean Wind intends to develop, build, operate, and own a utility-scale offshore wind farm within the OCS-A 0498 Lease Area located approximately 15 miles off the coast of Atlantic City, New Jersey.

Energy generated at the offshore turbine array will be carried by submarine export cables to points of interconnection (POI) with the onshore electrical grid. As part of the project development phase, Ocean Wind evaluated several potential POI and identified two primary locations: Oyster Creek Nuclear Generating Station in Lacey Township, New Jersey and BL England Generating Station Upper Township, New Jersey. A pair of cables is proposed to run north from two offshore substations to Island Beach State Park (IBSP) in Berkeley Township, New Jersey where it will cross the island and enter into the east side of Barnegat Bay, transit generally southwest through the bay and make landfall on the west side of Barnegat Bay in Lacey Township. A third, single cable, will carry electricity from an offshore substation to a cable landfall location in Ocean City, New Jersey.

The SSAP was designed to reflect a conservative estimate of the areas that may require dredging, to collect data that would allow flexibility in the design and construction of the cable alignments, and to satisfy New Jersey Department of Environmental Protection (NJDEP) Office of Dredging and Sediment Technology (ODST) and permitting requirements. For example, horizontal directional drilling (HDD) is proposed to facilitate cable transitions at the BL England landfall, IBSP landfall, and Lacey Township landfalls. HDD requires an exit pit to be constructed near shore to accept the drill string, which is advanced from the landside into the marine side; however, several potential exit points were considered allowing for a 'primary' location and "backup" locations. Not all exit pits will ultimately be constructed; however, samples were proposed and collected from both. Additionally, areas in shallow waters (shallower than -8.2 ft [-2.5 m] MLLW) were identified that may require open-cut excavation, similar to how underground utilities are installed on land; however, the contractor performing the installation may be able use jet trenching¹ in the shallows. Furthermore, a small portion on the western edge of the Oyster Creek Federal Channel that is prone to shoaling and is maintained by the US Army Corps of Engineers may require maintenance dredging to accommodate construction vessel movement into Barnegat Bay.

Several areas along the cable routes that might require dredging of material were targeted for sampling. These are identified as "Project Areas" in the SSAP and are listed below:

The Project Areas, shown on **Figure 1**, are as follows:

1. IBSP Atlantic Ocean Cable Landfall
2. Prior Channel
3. Holtec Property Lacey Twp. Cable Landfall
4. BL England Cable Landfall
5. Oyster Creek Federal Channel

¹ Jet trenching is the proposed installation method for much of the cable route. The technology locally fluidizes sediment and allows the cable to sink under its own weight as it is laid on the seabed.

(NJDEP ODSST approved the SSAP on January 24, 2022. A copy of the approval is included in **Attachment B**.

2. Field Operations

Core Collection, Logging, and Subsampling

The sampling campaign began at the end of March 2022 and concluded in early May 2022 and was conducted in two separate phases using separate vessels. Ocean Wind's marine drilling contractor, Alpine Ocean Seismic Surveys, Inc. (Alpine) utilized their vessel *RV Shearwater* to collect cores located in the Atlantic Ocean and the *MV George* to collect cores located in Barnegat Bay. HDR Engineering, Inc. (HDR) performed core processing and subsampling for sediment chemistry and physical property analyses for cores collected from Barnegat Bay, while Alpine performed this task for cores collected from the Atlantic Ocean.

The first phase was associated with the Atlantic Ocean HDD exist pits proposed to be installed off the coast of Ocean City (BL England) and IBSP was conducted between March 24th and April 3rd, 2022 using Alpine's ocean-going marine survey vessel the *RV Shearwater*. Alpine performed all core logging and subsampling aboard their vessel for this phase of work due to safety (offshore safety training requirements) and logistic reasons (frequent port calls to transfer cores not practical). Cores were collected and processed on March 30, 2022 (BL England) and April 3, 2022 (IBSP Atlantic). Alpine's geologists collected, logged, processed and subsampled these cores following the approved SSAP and the same operating procedures followed by HDR. Samples were documented on a chain of custody and maintained on ice or in a walk-in refrigerator as required. Upon return to port after each day cores were collected, custody of samples was transferred to a courier from Alpha Analytical, Inc. (Alpha), the contracted analytical laboratory, and transported to the laboratory for analysis.

The second phase associated with sample locations within Barnegat Bay was conducted using the *MV George* between April 6th and May 7th, 2022. In general, the vessel would mobilize in the morning to proposed core locations and return in the early afternoon to begin core processing. Cores were segmented into 3-ft lengths, capped and sealed on both ends, and transported upright on ice via Alpine's courier to HDR for further logging and subsampling at HDR's facility. Once in possession of HDR, cores were stored upright in a walk-in refrigerator until subsampled in accordance with the SSAP.

Cores were split in half along their long axis and the physical properties of the material were logged. After logging, sediment chemistry and physical property subsamples were collected from each core. In general, the material proposed to be dredged was homogenized and submitted as a single sample. In the case where a different strata, thicker than 2-feet was encountered within this zone, an additional sample was collected and submitted. At core locations from within areas that have not been previously dredged (i.e., IBSP Atlantic Cable Landfall and BL England Cable Landfall HDD exit pits, Holtec Property Lacey Twp.), a sample from the upper 0.5-ft of material that would remain in place (e.g., the new sediment surface) was also homogenized and submitted for laboratory analysis. Laboratory analyses are summarized below.

Descriptions of sediment encountered for the length of each vibratory core from Alpine and HDR are included on vibracore logs in **Attachment C**.

As-drilled core locations are depicted on **Figures 2 through 6**.

Chemistry Analysis

The approved SSAP required the sediment chemistry analyses listed on the following table. Tier I analyses were required for all samples; however, Tier II is only required when the subject material is less than 90% sand (0.00625mm or larger). Because it was not known whether this testing exclusion would be definitively met while processing the cores, all samples were submitted for analysis.

Tier I Physical / Geotechnical	Grain Size	ASTM D422 or D4381 with hydrometer
	Total Organic Carbon	USEPA 440.0, or USEPA SW-846 9060A, Llyod Kahn, or equivalent
	Water Content	ASTMD653/D2216/D4643, EPA SM2540D or equivalent.
Tier II Bulk Chemistry ⁽¹⁾	TCL SVOCs	EPA 8270D
	TCL Pesticides	EPA 8081B
	TCL PCBs (Aroclors)	EPA 8082A
	Inorganics (TAL Metals, cyanide, mercury, tri- and hexavalent chromium)	EPA 6010D/6020B, 9012B, 7471B, 3060A/7196A

TCL – Target Compound List, TAL – Target Analyte List

SVOCs – semi-volatile organic compounds, PCBs – polychlorinated biphenyls

(1) Bulk sediment chemistry testing will be required if testing exclusion defined in N.J.A.C. 7:7 Appendix G, Chapter III, Section C (greater than 90% sand [0.0625mm]) is not met.

Samples collected from the proposed dredge material were also submitted for dioxin/furan (17 congener) analysis (EPA Method 1513) and volatile organic compound (VOC; EPA Method 8260 using Terra Core samplers). These additional analyses were performed in order to accommodate potential requirements identified by the proposed upland dredge material placement facility. At the request of Ocean Wind, several locations had additional samples collected and submitted for water content (ASTM D2216) to supplement the engineering design.

NJDEP requested three additional locations not associated with the proposed dredging operations to be collected along a portion of the export cable route within the center of Barnegat Bay. These are locations DS039, DS040, and DS041. See **Figure 6**.

A summary of sediment chemistry and physical property analytical results are provided as **Attachment D**. The results are compared to current NJDEP Soil Remediation Standards (N.J.A.C. 7:26D Remediation Standards; May 17, 2021) for the residential ingestion-dermal; residential inhalation; and migration to groundwater pathways. A separate table provides a comparison to current NJDEP Ecological Screening Criteria (March 10, 2009) saline water Effects Range Low (ER-L) and Effects Range Medium (ER-M) criteria.

Deviations from Plan

The following items are noted as deviations from the proposed plan.

- Core locations DS018, DS020, DS022, DS023, DS031 and DS032 were proposed at the Holtec Property Lacey Twp cable landfall but deemed not necessary based on preliminary construction plans in effect at the time sampling occurred. These stations are indicated on Figure 3.

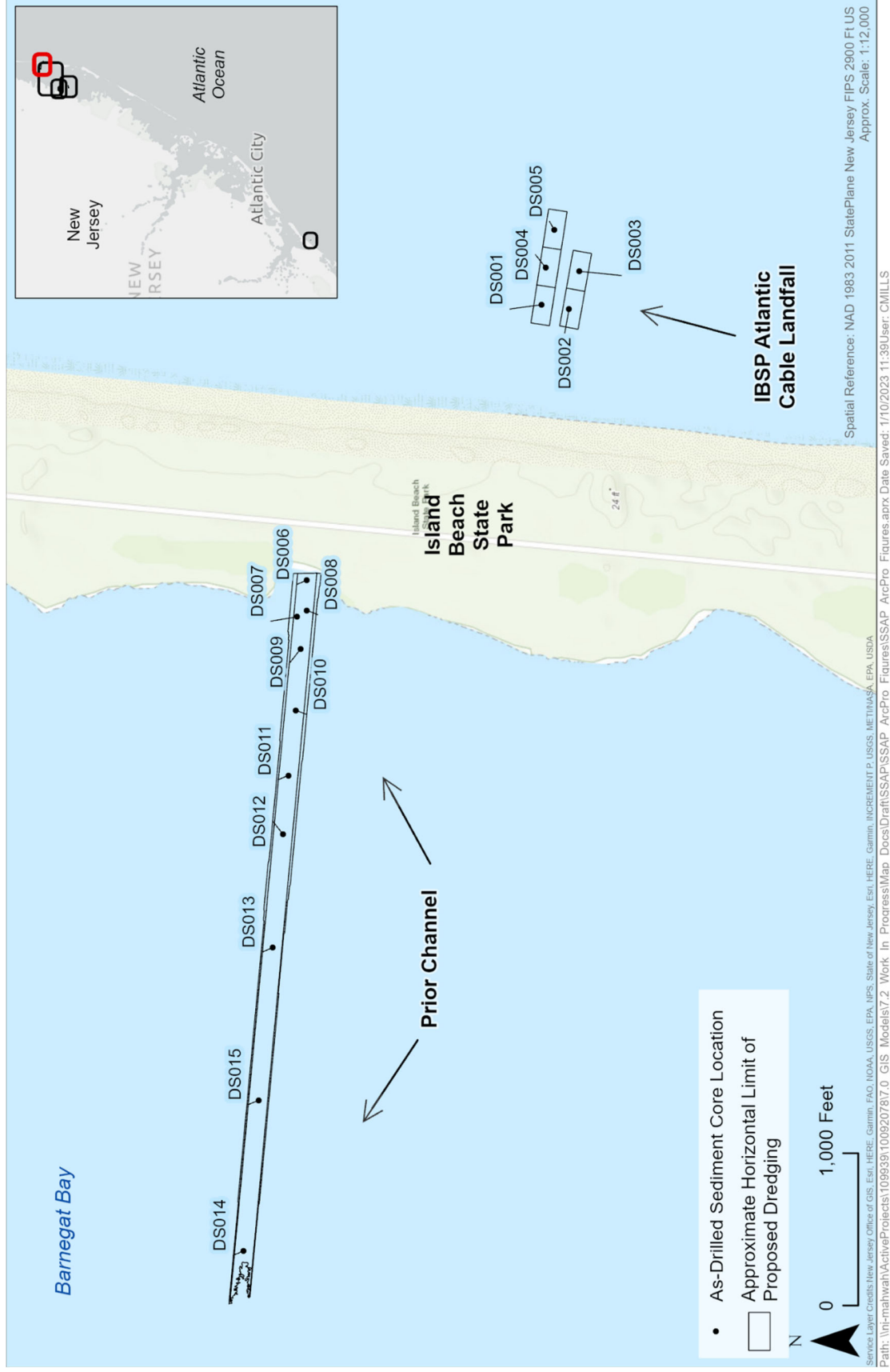
- Locations DS001, DS002, DS003, DS004, DS027 and DS030 were offset slightly from the proposed locations due to engineering considerations for the construction of HDD exit pits. The as-drilled locations remained within the proposed dredge area. DS030 was also offset to avoid a localized slope in the seabed surface.
- Locations at the Oyster Creek Federal Channel had their project depth extended to -10-ft MLLW (from -8 ft MLLW) based on information that became available from a US Army Corps of Engineers Philadelphia District solicitation to perform maintenance dredging of several areas including the Oyster Creek Federal Channel. [US Army Corps of Engineers IFB W912BU22B0004]. This was confirmed verbally with NJDEP ODST.
- The target core recovery was 80%; however, in some instances (noted on core logs) recoveries less than 80% were accepted after multiple attempts including reconfigurations of equipment at a given location yielded consistent recoveries below 80%.
- Target project depths were not achieved in Atlantic cores DS001, DS003, DS004, DS005, DS033, DS034, and DS035; however, the depths achieved were typically within approximately 0.5-ft of the target (except for DS035). In these instances, the bottom 0.5-ft portion of the core was samples as the “new surface” sample as it is closest to the actual proposed temporary new sediment surface post-dredging with the exception of DS002, DS034 and DS035, which were inadvertently homogenized with the stratum above.

3. Dredged Material Placement Alternatives

Future placement alternatives for dredged material are being evaluated based on the data obtained during the sediment sampling campaign; however, at this time upland placement is the primary alternative. **Attachment E** provides documentation of written consent to accept the material in accordance with Waterfront Development Individual Permit application requirements.



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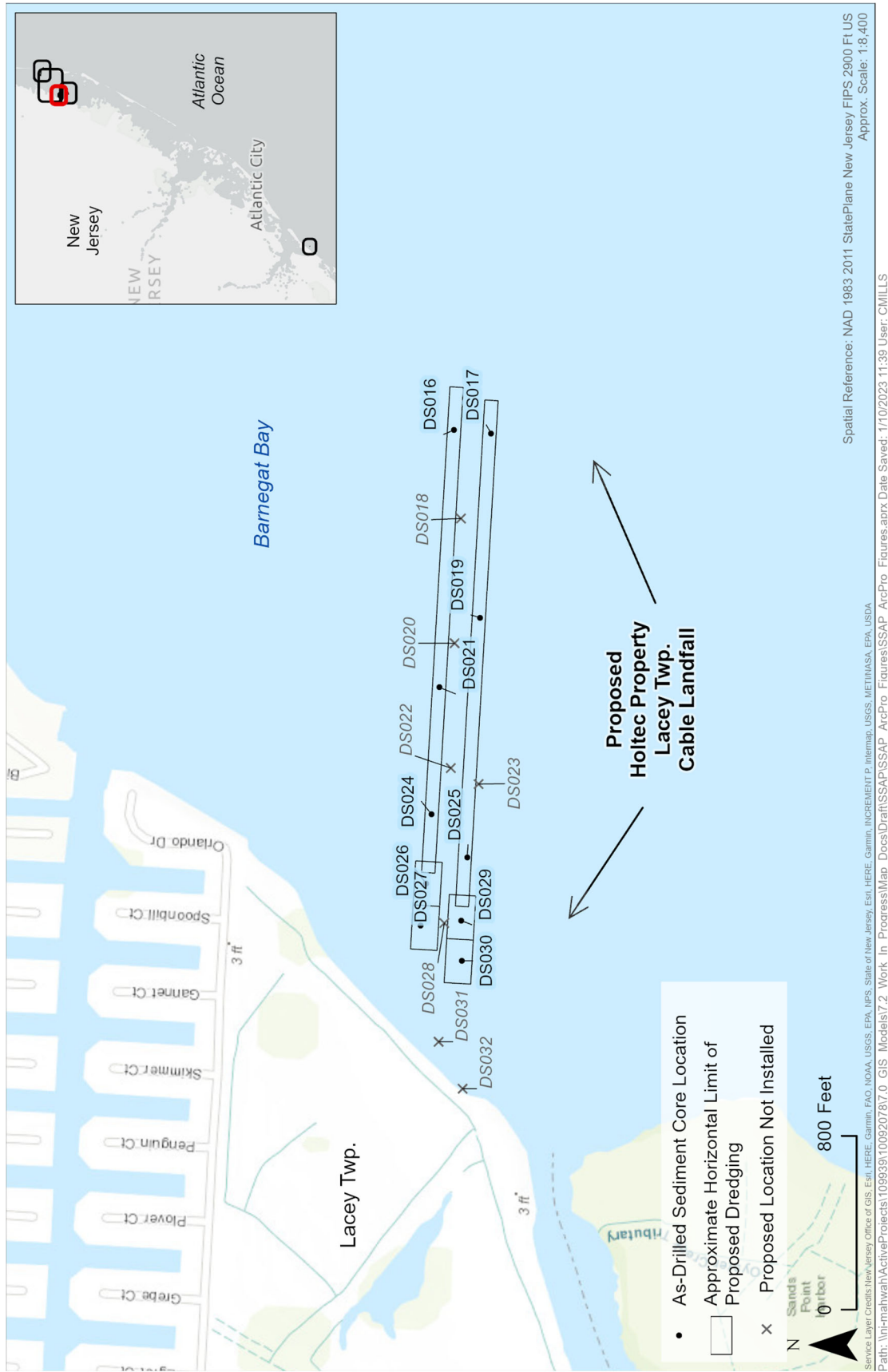


FIGURE 3
Holtec Property Lacey Twp. Cable Landfall As-Drilled Core Locations

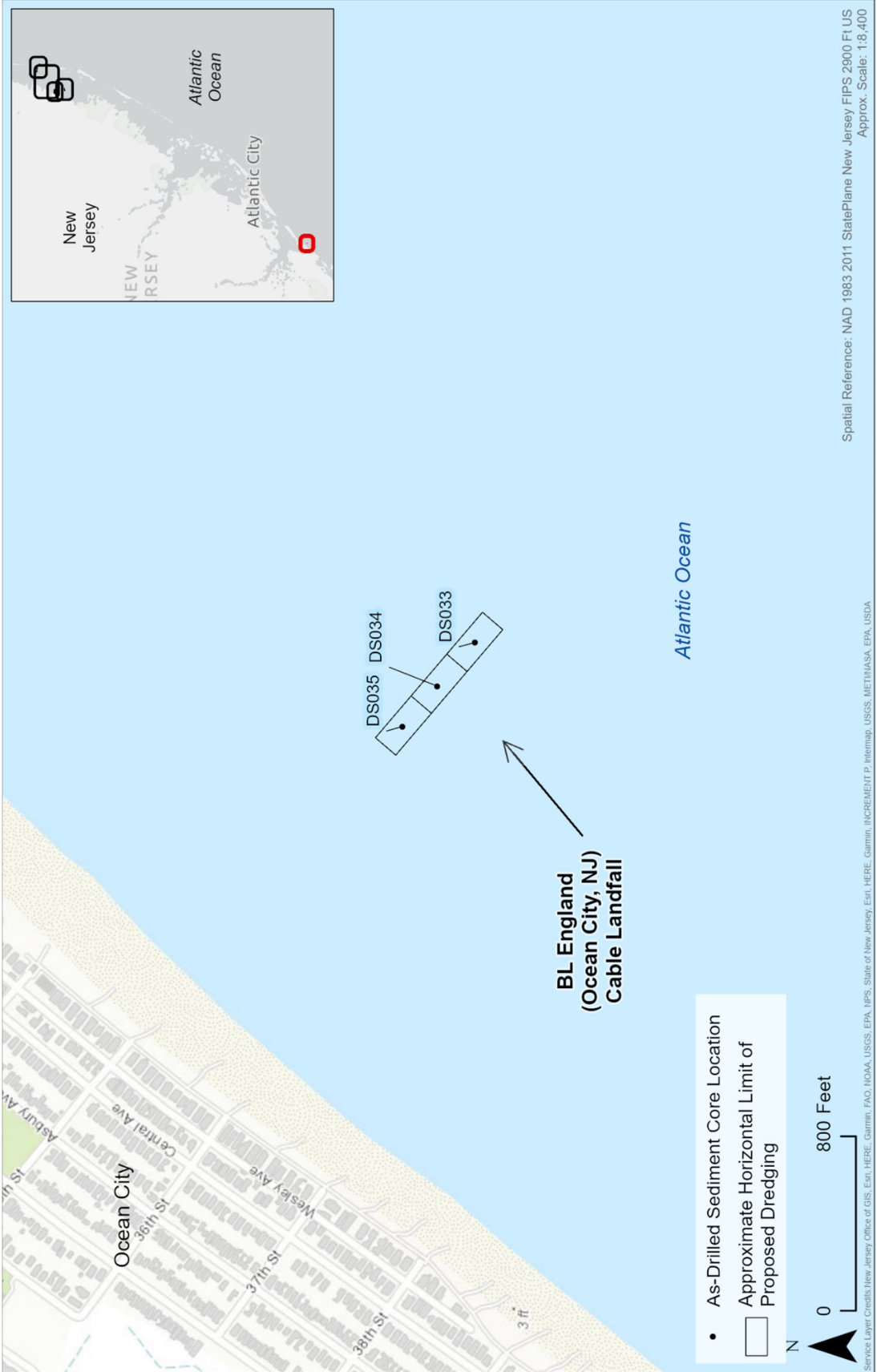


FIGURE 4
BL England Cable Landfall (Ocean City, NJ) As-Drilled Core Locations

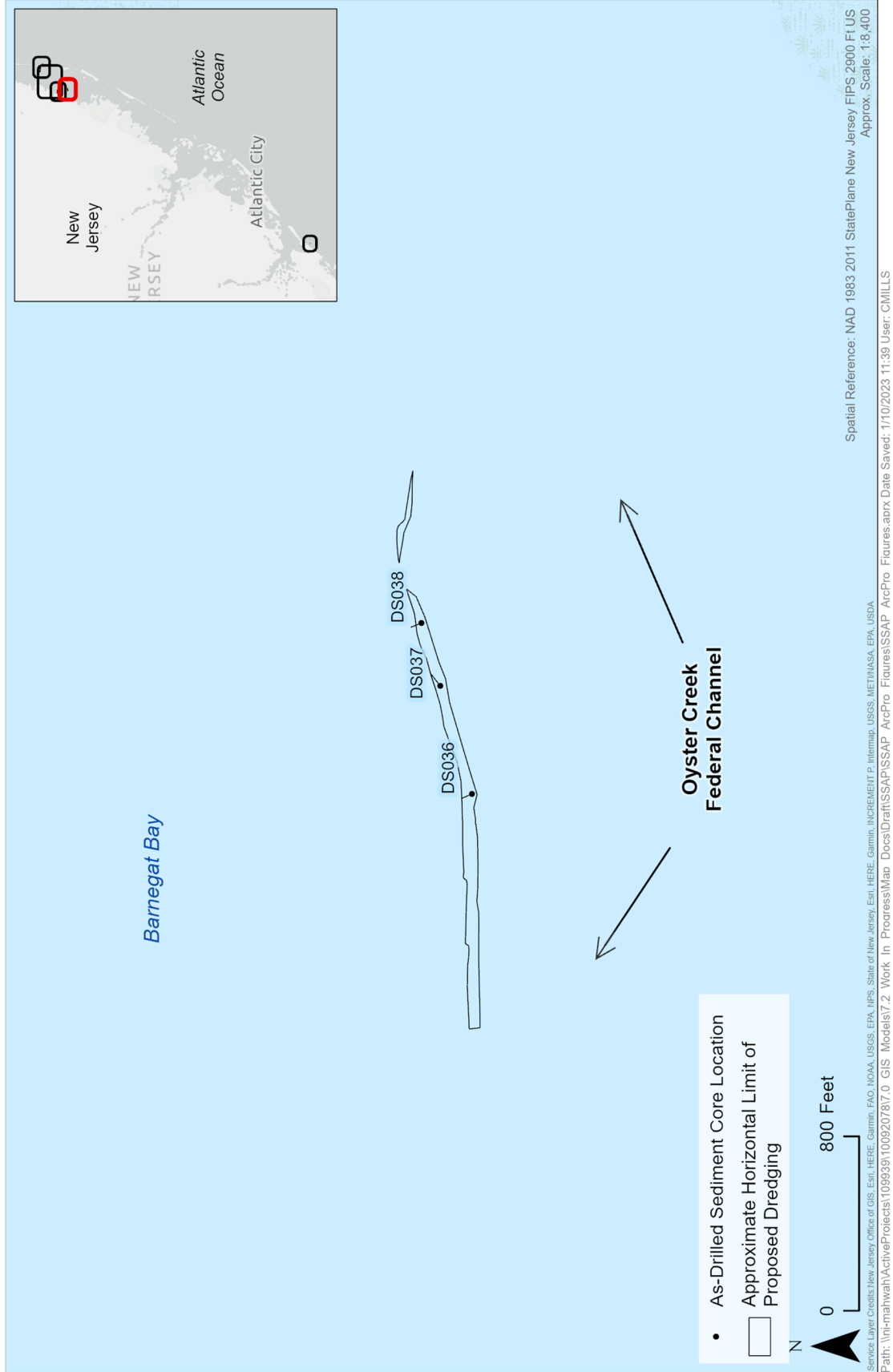


FIGURE 5
Oyster Creek Federal Channel As-Drilled Core Locations

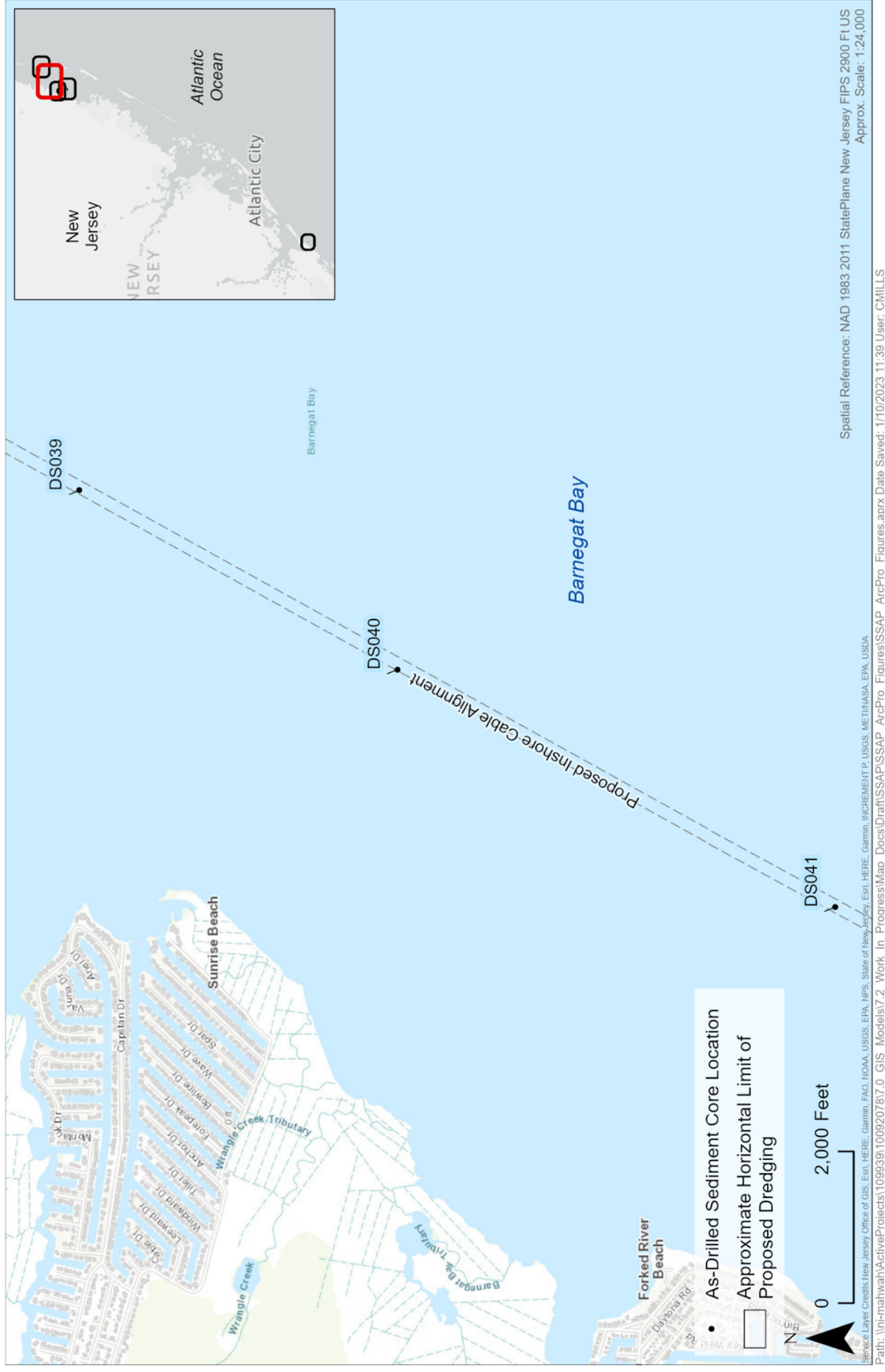


FIGURE 6
Barnegat Bay Inshore Cable Alignment As-Drilled Core Locations

ATTACHMENT A

Approved Sediment Sampling and Analysis Plan

Ocean Wind Offshore Wind Farm

Draft Sediment Sampling and Analysis Plan (SSAP) for Near Shore and Inshore Installation Activities

**January 2022
Revision 1**

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1. Introduction

1.1 Project Background

Ocean Wind, LLC (Ocean Wind), a joint venture of Ørsted Wind Power North America, LLC (Ørsted) and Public Service Enterprise Group (PSEG), has prepared this Sediment Sampling and Analysis Plan (SSAP) for excavation and dredging operations potentially needed to support the Ocean Wind 1 Offshore Wind Farm renewable energy project (Project). Ocean Wind intends to develop, build, operate, and own a utility-scale offshore wind farm within the OCS-A 0498 Lease Area located approximately 15 miles off the coast of Atlantic City, New Jersey.

Energy generated at the offshore turbine array will be carried by submarine export cables to points of interconnection (POI) with the onshore electrical grid. As part of the project development phase, Ocean Wind evaluated several potential POI and has identified two primary locations.

The first POI is the site of the decommissioned Oyster Creek Nuclear Generating Station in Lacey Township in Ocean County, New Jersey. Two export cables laid in parallel are planned to originate from the turbine array in the Atlantic Ocean and head generally northward until making landfall at Island Beach State Park (IBSP). Horizontal directional drilling (HDD) from the southern parking lot of IBSP Swimming Area 2 into the Atlantic is proposed. To facilitate this, two exit pits for the drill string would be required off the Atlantic shore. Once ashore, the cable route heads north and makes use of a prior channel off the western side of IBSP west of the main building. Once into Barnegat Bay, the export cables will head southwest until they eventually turn landward and make landfall at a parcel owned by Holtec International (Lacey Township Block 100, Lot 1.06, referred to hereafter as the “Holtec Property”). The cables will follow a land route until the POI at the Oyster Creek Nuclear Generating Station.

The second POI will be a single cable, originating from the turbine array in the Atlantic Ocean, and traveling west, making landfall in Ocean City, New Jersey at 35th Street. The cable will then continue onshore through Upper Township in Cape May County, New Jersey to the POI at the BL England Generating Station.

Several “Project Areas” have been identified where dredging/excavation operations may be required to facilitate cable installation. Each area has its own construction/installation considerations which are discussed under each Project Area’s further on in this document. The extent to which dredging/excavation operations are required for cable installation in each Project Area has yet to be determined and will ultimately be driven by regulatory agency input, permitting requirements, technical/engineering requirements, and the selected installation contractor. Therefore, this SSAP is intended to cover the scenarios under which the most material would need to be disturbed and handled to provide flexibility in the ongoing permitting and engineering processes.

It is important to note that the Project Areas, potentially dredging/excavation, and proposed sampling in this document are conservative estimations and included for flexibility in permitting and the continued development of engineering plans and may not all be required at the time of construction.

The Project Areas, shown on **Figure 1**, are as follows:

1. IBSP Atlantic Ocean Cable Landfall
2. Prior Channel
3. Holtec Property Lacey Twp. Cable Landfall
4. BL England Cable Landfall
5. Oyster Creek Federal Channel

1.2 Document Structure

Each Project Area listed in Section 1.1 is discussed in its own section that provides the information required by N.J.A.C. 7:7 Coastal Zone Management Rules (CZM, last amended October 5, 2021) Appendix G (“Appendix G”) and New Jersey Department of Environmental Protection (NJDEP) *Sediment Sampling and Analysis Plan (SSAP) Template* Version 4.0 (September 2020) (“SSAP Template”). This SSAP attempts to follow the SSAP Template to the extent practical.

Figures follow the text.

2. Environmental Information

2.1 Aquatic Resources

A desktop review of aquatic resources as required in Appendix G of the CZM was performed to identify the potential presence of mapped aquatic resources in the vicinity of the proposed Project Areas.

Two resources were identified as possibly co-located with Project Areas.

2.1.1 Submerged Aquatic Vegetation (SAV)

Portions of the proposed Project Areas overlap with 1979 New Jersey Submerged Aquatic Vegetation Distribution Atlas and 1985/87 Earth Satellite Corporation’s Eelgrass Inventory maps. Project Areas where overlap occurs are:

- Prior Channel
- Holtec Property Lacey Twp. Cable Landfall
- Oyster Creek Federal Channel
 - Note: maintenance dredging of an existing authorized channel is proposed here.

Mapped SAV is included on the proposed sample location figures associated with each Project Area identified in Section 1.1 and described further in Section 3.

Note: Although the Prior Channel Project Area overlaps with the SAV layers referenced above, preliminary results from a SAV survey conducted by Ocean Wind on October 29, 2021 within the existing channel indicate that SAV coverage within the channel itself is limited, likely due to existing water depths.

2.1.2 Shellfish

NJDEP Mapped shellfish areas from the 1963 U.S. Department of the Interior Distribution of Shellfish in Relation to the New Jersey Intracoastal Waterway and 1986 NJDEP Inventory of Estuarine Shellfish Resources exist within the footprints of proposed construction activities at the following Project Areas:

- Holtec Property Lacey Twp. Cable Landfall
- Oyster Creek Federal Channel

Shellfish habitats are included on the proposed sample location figures associated with each Project Area identified in Section 1.1 and described further in Section 3.

2.2 Review of Previously Collected Environmental Chemistry Data

A review of the existing USGS bulk chemistry and sediment toxicity data indicate that impacts from surficial sediments to ecological receptors are unlikely. Details of this literature review are below. The following discussion is for background informational purposes and sampling is planned to be conducted as described elsewhere in this SSAP. **Figure 2** presents the sample locations discussed in this section.

During August and September 2012 and July 2013, the USGS collected sediment samples from 22 sites within Barnegat Bay and nearby major tributaries to evaluate toxicity and chemical concentrations (USGS, 2014, 2020). Samples from the bay were collected from the upper 10 centimeters (cm) of bed-sediment while samples from the tributary sites were collected from the upper two cm. The samples were analyzed for a suite of 94 currently used pesticides, 21 legacy pesticides, 24 metals, 40 polycyclic aromatic hydrocarbons (PAHs), seven polychlorinated biphenyls (PCBs) as Aroclor mixtures, and 145 individual PCB congeners. Of the 22 samples, two samples (BB06 and BB07A) were collected near the proposed Ocean Wind inshore Barnegat Bay crossing route. BB06 is located west of IBSP approximately one quarter mile north of the proposed cable alignment and BB07A is approximately one mile southeast of the mouth of Oyster Creek. Three additional samples located in tributaries were also within the Barnegat Bay project area: BT06 (Cedar Creek tributary), BT07 (Oyster Creek tributary), and BT10 (Oyster Creek tributary). The core locations near the Ocean Wind project area are shown on **Figure 2**.

The following table presents detected concentrations exceeding NJDEP ecological screening criteria (ESC) for sediment for saline effects range medium (ER-M) and effects range low (ER-L), which are used to evaluate potential ecological impacts.

Location ID	Analytical Group	Analyte	Unit	NJDEP Sediment Saline Effects Range Low (ER-L)	NJDEP Sediment Saline Effects Range Medium (ER-M)	Result
Barnegat Bay Along Cable Route						
BB06	Inorganic	Mercury	mg/kg	0.15	0.71	6.54
BB07A	Pesticide	4,4-DDE	µg/kg	2.2	27	2.6
Upstream Tributaries						
BT06	Pesticide	4,4-DDD	µg/kg	2	20	34.4
BT06	Pesticide	4,4-DDE	µg/kg	2.2	27	14.2
BT06	Pesticide	4,4-DDT	µg/kg	1	7	4.08
BT06	Pesticide	Chlordane, alpha-	µg/kg	3.24	NC	6.83
BT06	Inorganic	Mercury	mg/kg	0.15	0.71	0.225
BT06	Inorganic	Selenium	mg/kg	NC	1	1.42
BT07	Inorganic	Barium	mg/kg	NC	48	74.1
BT07	Inorganic	Lead	mg/kg	47	218	77.2
BT07	Inorganic	Selenium	mg/kg	NC	1	1.69

Bold text indicates result exceeds NJDEP ESC.

ug/kg – micrograms per kilogram

mg/kg – milligrams per kilogram

Toxicity testing that evaluates the survival, growth, and reproduction of benthic invertebrates for 28 days was also conducted. The results of these tests by USGS for the locations listed above did not indicate significant differences in the mean for benthic invertebrate survival, growth, and reproduction when compared to the laboratory control samples (USGS, 2014).

A 2016 study by USGS (Romanok, 2016) also investigated sediment chemical concentrations in Barnegat Bay post Hurricane Sandy. The post-Sandy survey indicated metals concentrations increased by up to two orders of magnitude especially north of Barnegat Inlet; however, these concentrations are typically below ESC in the general vicinity of the proposed cable route except for zinc at BB07A which was detected at 900 mg/kg (ER-L value is 150 mg/kg).

Chemistry data was not available at the Atlantic or BL England landfall locations.

2.3 Review of Previously Collected Geotechnical Data

As part of a study published in 2014 the USGS collected sediment cores from inshore locations within Barnegat Bay and had material analyzed for grain size. The core depths ranged from 4 to 8 feet below mudline. Of the cores collected, 11 are within the Ocean Wind Project Areas.

Additionally, Ocean Wind collected geotechnical samples from thirteen inshore locations in Barnegat Bay along the proposed cable corridor in effect at that time in 2020. Sample depths ranged from surface to approximately 20 feet below existing mudline. However, the cable burial depth is proposed to be 4 to 6 feet below the seabed, or in accordance with the cable burial risk assessment (CBRA). Percentages of sand in this zone averaged at each core ranged between 4 and 94 percent with the lowest percentages located near the mouth of Oyster Creek, south of the currently proposed cable alignment. The cores along the currently proposed cable alignment have an average sand component ranging between 54 and 94 percent.

Figure 2 presents the previously sampled locations discussed in this section.

Cores closest to areas Ocean Wind is proposing to perform subaqueous excavation (HDD pits, trenches) were less than 90% sand based on mean percentage which could indicate that the sample locations proposed within this document may not meet the testing exclusions defined in N.J.A.C. 7:7 Coastal Zone Management Rules Appendix G Chapter III Section C – Testing Exclusions.

3. Proposed Sampling & Analysis by Project Area

The following subsections provide a short description of the proposed work activity by Project Area along with the proposed sampling and analysis to support each.

3.1 IBSP Atlantic Ocean Cable Landfall

3.1.1 Description

The northern export cable route (ECR) from the wind farm is proposed to transition across IBSP into Barnegat Bay near Swimming Area 2 south parking lot and auxiliary parking lot. HDD is proposed from the parking lot towards the Atlantic Ocean to make landfall. Two HDD exit pits located approximately 600 to 900 feet offshore will be required for this activity.

Although only two pits are required, five potential pit locations are being considered and proposed to be sampled under this SSAP to provide flexibility for engineering and construction. Two backup pits are proposed at the northern cable landfall while one backup pit is included at the southern landfall.

Figure 3 presents the proposed core locations.

3.1.2 Bathymetry

Seabed surface survey was conducted by EGS Maryland, LLC (EGS) on behalf of Ocean Wind between June 9th and June 18th, 2021. A combination of high-resolution multibeam echosounder (MBES) in dual head configuration and tri-frequency high-resolution sidescan sonar (SSS) was deployed.

The data are presented in feet MLLW (mean lower low water).

3.1.3 Nearby Anthropogenic Concerns

A desktop review was conducted for the presence of the concerns required in the SSAP Template as described below.

Item	Finding
Outfalls within 500 ft.	None noted.

Item	Finding
Intakes within 500 ft.	None noted.
In-Water Structures in the vicinity.	None noted.
Boat/Vessel Fueling Stations within 500 ft.	None noted.

No additional bulkheads, piles, dolphins, moorings, turning basins, or other prominent surface or bottom features were identified in the immediate vicinity of the proposed work areas.

3.1.4 Proposed Dredging /Excavation Plan

Potential Dredge Area:	62,000 sq. ft at grade. * HDD exit pits proposed to be frustum shaped with the base narrower than the maximum extent at existing grade. Sidewalls of the excavation will be sloped at about a 4:1 ratio.
Proposed Dredging Method	To be determined based on contractor selection.
Type of Dredging:	New, temporary
Proposed Depth:	9.2 feet below existing mudline.
Proposed Overdredge Depth:	0.5 ft
Volume (no overdredge):	14,900 cy (for both pits)
Volume (overdredge):	800 cy (approx.)
Total Volume:	15,700 cy
Known Contamination/Spills:	No known nearby spills/contamination based on NJ-GeoWeb search completed in September 2021.

3.1.5 Proposed Dredge Material & Water Management Alternative(s)

It is the goal of Ocean Wind to beneficially reuse excavated material to the extent allowable based on input from NJDEP, USACE, and other bodies with regulatory jurisdiction.

Placement Alternative(s)	- Beach nourishment (provided material meets requirements outlined in N.J.A.C. 7:7 Appendix G Chapter V Section C) - Upland Placement
Dewatering Method(s)	To be determined after contractor and equipment selection.

3.1.6 Proposed Core Locations

One core per potential HDD exit pit inclusive of both base case and backup locations is planned. Base case is the preferred placement of the HDD exit pit while backups serve as alternatives in the event the base case is excluded for engineering or environmental reasons. Cores will be advanced near the approximate center of the footprint of the pit.

Sample ID Number ¹	Planned X Coordinate ²	Planned Y Coordinate ²	Project Depth ³	Proposed Overdredge	Depth of Collection ³
OCW_DRE_DS001_VC	609200	369764	9.2 ft bgs	0.5 ft	ML to 9.7 ft bgs
OCW_DRE_DS002_VC	609175	369575	9.2 ft bgs	0.5 ft	ML to 9.7 ft bgs
OCW_DRE_DS003_VC	609425	369532	9.2 ft bgs	0.5 ft	ML to 9.7 ft bgs

Sample ID Number ¹	Planned X Coordinate ²	Planned Y Coordinate ²	Project Depth ³	Proposed Overdredge	Depth of Collection ³
OCW_DRE_DS004_VC	609445	369727	9.2 ft bgs	0.5 ft	ML to 9.7 ft bgs
OCW_DRE_DS005_VC	609697	369691	9.2 ft bgs	0.5 ft	ML to 9.7 ft bgs

1. Station identification finalized prior to field mobilization; proposed position will remain as indicated.
2. New Jersey State Plane (NAD 1983) Coordinate System – Feet
3. ML = mudline/seabed surface. ft bgs = feet below grade (mudline) surface. For cable burial work areas depths are given in ft bgs due to burial depth requirements. In areas where vessel access is required, depths are provided in feet MLLW. Depth of collection is the proposed homogenized core length unless visually distinct strata are encountered.

3.1.7 Core Compositing

Core compositing is not proposed.

3.1.8 Analytical Testing

All samples will be tested for Tier I and Tier II Bulk Chemistry parameters as required. Volatile organic compounds (VOCs), polychlorinated biphenyl (PCB) congeners, and dioxins/furans are not required. Testing for additional parameters may be performed at the discretion of Ocean Wind.

Laboratory analyses will be conducted by a laboratory certified by NJDEP to conduct such analyses. The following table presents the analyses to be performed for this Project Area.

All Samples	Tier I Physical / Geotechnical	Grain Size	ASTM D422 or D4381 with hydrometer
		Total Organic Carbon	USEPA 440.0, or USEPA SW-846 9060A, Llyod Kahn, or equivalent
		Water Content	ASTMD653/D2216/D4643, EPA SM2540D or equivalent.
	Tier II Bulk Chemistry ⁽¹⁾	TCL SVOCs	EPA 8270D
		TCL Pesticides	EPA 8081B
		TCL PCBs (Aroclors)	EPA 8082A
		Inorganics (TAL Metals, cyanide, mercury, tri- and hexavalent chromium)	EPA 6010D/6020B, 9012B, 7471B, 3060A/7196A
If Required ⁽²⁾	Tier II Modified Elutriate	Same target analytes as Bulk Chemistry, only required if hydraulic dredging is used.	

TCL – Target Compound List, TAL – Target Analyte List

SVOCs – semi-volatile organic compounds, PCBs – polychlorinated biphenyls

(1) Bulk sediment chemistry testing will be required if testing exclusion defined in N.J.A.C. 7:7 Appendix G, Chapter III, Section C (greater than 90% sand [0.0625mm]) is not met.

(2) Modified elutriate testing required only if hydraulic dredging is to be utilized.

3.1.8.1 Additional Sampling Note

The activities proposed in this Project Area are effectively “new work” despite the temporary nature of the excavations. Per NJDEP requirements, the bottom six inches of each core will be sampled separately in order to identify whether contaminated sediments, if present, will be exposed to biota during the time that the excavations are open.

3.2 Prior Channel

3.2.1 Description

Located west of the park office building at the IBSP day use area is a prior channel that runs in a generally west to east direction from the deeper waters of Barnegat Bay up to the shoreline at a clearing used by the park for material and equipment storage.

Two parallel cables separated by 65 ft. would be installed within the footprint of the channel and extend out into Barnegat Bay where they would alter course to the southwest about 1.2 miles from shore. Dredging may be required to remove soft infilled sediment that could prevent operation of jet sleds or impede vessel movement. The width of the proposed dredge channel would follow the prior channel and is approximately 125 ft. (excluding side slopes) starting from the shore and continuing along the prior channel to the alter course where the cables resume 165 ft. separation offshore as the course turns southwest.

The extent to which dredging of infilled sediments may be required within the prior channel is still being evaluated. Sampling as proposed in this SSAP is intended to provide flexibility to engineering and construction efforts. The core locations and potential quantities of dredged materials presented are based on an estimated maximum amount of dredging associated with preliminary alignments and installation methodologies.

Figures 4 to 9 present proposed sampling locations for this Project Area.

3.2.2 Bathymetry

Seabed elevation data presented on **Figures 4 to 9** is derived from topobathymetric LiDAR data obtained from the National Oceanic and Atmospheric Administration, Office of Coastal Management DIGITALCOAST [2015 USGS CoNED Topobathymetric Model: New Jersey and Delaware (1888 - 2014)].

A bathymetric survey is planned for this area in first quarter 2022. The sampling program will be re-evaluated based on the updated bathymetric data.

The data are presented in feet MLLW.

3.2.3 Nearby Anthropogenic Concerns

A desktop review was conducted for the presence of the concerns required in the SSAP Template as described below.

Item	Finding
Outfalls within 500 ft.	NJG0133175 NJ0025780 (Pipe 001A)
Intakes within 500 ft.	None noted.
In-Water Structures in the vicinity.	None noted.
Boat/Vessel Fueling Stations within 500 ft.	None noted.

An NJ-GeoWeb search conducted on November 2, 2021 identified two points within 500 ft. of the proposed work area.

NJPDES permit number NJG0133175 plots approximately 230 ft. due east of the eastern edge of the proposed work area. It is associated with IBSP and is listed as type T1 – sanitary subsurface disposal. PI Number 49661 is associated with this permit.

NJPDES permit number NJ0025780 plots approximately 500 ft. southeast of the southeastern edge of proposed work area. Pipe 001A is the identity of the outfall associated with this permit number and its

discharge class is “minor” and of type “B”. Additional information was not available under NJDEP Data Miner NJPDES Permit Summary Report search tool and no PI number was listed.

No additional bulkheads, piles, dolphins, moorings, turning basins, or other prominent surface or bottom features were identified in the immediate vicinity of the proposed work area other than those noted.

3.2.4 Proposed Dredging /Excavation Plan

Potential Excavation Area:	698,500 sq. ft.
Proposed Dredging/ Excavation Method	To be determined based on contractor selection.
Type of Dredging:	Maintenance/New (proposed area is not regularly maintained but was previously dredged at some time in the past)
Proposed Depth:	- 7 ft. MLLW
Proposed Overdredge Depth:	0.5 ft
Volume (no overdredge):	53,400* cy
Volume (overdredge):	11,400* cy
Total Volume:	64,800* cy
Known Contamination/Spills:	No known nearby spills/contamination based on NJ-GeoWeb search completed in October 2021.

*approximate.

3.2.5 Proposed Dredge Material & Water Management Alternative(s)

It is the goal of Ocean Wind to beneficially reuse excavated material to the extent allowable based on input from NJDEP, USACE, and/or other bodies with regulatory jurisdiction.

Placement Alternative(s)	- Beach nourishment (provided material meets requirements outlined in N.J.A.C. 7:7 Appendix G Chapter V Section C) - Upland Placement
Dewatering Method(s)	To be determined after contractor and equipment selection.

3.2.6 Proposed Core Locations

The number and position of proposed core locations are based on the approximate dredge volume of each option and the 8,000 cubic yards per core maximum set forth in the CZM.

Sample ID Number ¹	Planned X Coordinate ²	Planned Y Coordinate ²	Project Depth ³	Proposed Overdredge	Depth of Collection ³
OCW_DRE_DS006_VC	607394	371320	-7 ft MLLW	0.5 ft	ML to -7.5 ft MLLW
OCW_DRE_DS007_VC	607152	371385	-7 ft MLLW	0.5 ft	ML to -7.5 ft MLLW
OCW_DRE_DS008_VC	607201	371320	-7 ft MLLW	0.5 ft	ML to -7.5 ft MLLW
OCW_DRE_DS009_VC	606944	371362	-7 ft MLLW	0.5 ft	ML to -7.5 ft MLLW
OCW_DRE_DS010_VC	606543	371398	-7 ft MLLW	0.5 ft	ML to -7.5 ft MLLW
OCW_DRE_DS011_VC	606120	371440	-7 ft MLLW	0.5 ft	ML to -7.5 ft MLLW
OCW_DRE_DS012_VC	605721	371476	-7 ft MLLW	0.5 ft	ML to -7.5 ft MLLW
OCW_DRE_DS013_VC	604994	371546	-7 ft MLLW	0.5 ft	ML to -7.5 ft MLLW

Sample ID Number ¹	Planned X Coordinate ²	Planned Y Coordinate ²	Project Depth ³	Proposed Overdredge	Depth of Collection ³
OCW_DRE_DS014_VC	603001	371735	-7 ft MLLW	0.5 ft	ML to -7.5 ft MLLW
OCW_DRE_DS015_VC	603985	371638	-7 ft MLLW	0.5 ft	ML to -7.5 ft MLLW

1. Station identification and positioning will be finalized prior to field mobilization.
2. New Jersey State Plane (NAD 1983) Coordinate System – Feet
3. ML = mudline/seabed surface. ft bgs = feet below grade (mudline) surface. For cable burial work areas depths are given in ft bgs due to burial depth requirements. In areas where vessel access is required, depths are provided in ft MLLW. Depth of collection is the proposed homogenized core length unless visually distinct strata are encountered.

3.2.7 Core Compositing

Compositing across core locations is not proposed.

3.2.8 Analytical Testing

All samples will be tested for Tier I and Tier II Bulk Chemistry parameters as required. Volatile organic compounds (VOCs), polychlorinated biphenyl (PCB) congeners, and dioxins/furans are not required. Testing for additional parameters may be performed at the discretion of Ocean Wind.

Laboratory analyses will be conducted by a laboratory certified by NJDEP to conduct such analyses. The following table presents the analyses to be performed for this Project Area.

All Samples	Tier I Physical / Geotechnical	Grain Size	ASTM D422 or D4381 with hydrometer
		Total Organic Carbon	USEPA 440.0, or USEPA SW-846 9060A, Llyod Kahn, or equivalent
		Water Content	ASTMD653/D2216/D4643, EPA SM2540D or equivalent.
	Tier II Bulk Chemistry ⁽¹⁾	TCL SVOCs	EPA 8270D
		TCL Pesticides	EPA 8081B
		TCL PCBs (Aroclors)	EPA 8082A
		Inorganics (TAL Metals, cyanide, mercury, tri- and hexavalent chromium)	EPA 6010D/6020B, 9012B, 7471B, 3060A/7196A
	If Required ⁽²⁾	Tier II Modified Elutriate	Same target analytes as Bulk Chemistry, only required if hydraulic dredging is used.

TCL – Target Compound List, TAL – Target Analyte List

SVOCs – semi-volatile organic compounds, PCBs – polychlorinated biphenyls

(1) Bulk sediment chemistry testing will be required if testing exclusion defined in N.J.A.C. 7:7 Appendix G, Chapter III, Section C (greater than 90% sand [0.0625mm]) is not met.

(2) Modified elutriate testing required only if hydraulic dredging is to be utilized.

3.2.8.1 Additional Sampling Note

The activity proposed in this Project Area is maintenance work; however, information about previous dredging operations is not readily available. Per NJDEP requirements, the bottom six inches of each core will be sampled separately in order to identify whether contaminated sediments, if present, will be exposed to biota during the time that the excavations are open.

3.3 Holtec Property Cable Lacey Twp. Landfall

3.3.1 Description

After crossing Barnegat Bay, the cable pair is proposed to make landfall in Lacey Township at a parcel owned by Holtec International (Lacey Township Block 100, Lot 1.06).

Two installation options are proposed at this landfall. One option utilizes open cut trenching to the shoreline and the other utilizes a combination of HDD and open cut trenching. The sampling program at this landfall is intended to support either option independently of the other with the decision ultimately driven by engineering requirements, environmental considerations, and the selected contractor.

In the following sub-sections, the two options are referred to as follows:

HDD with Open-Cut Option (“HDD” Option). The HDD option consists of two exit pits and approximately 2,200 feet of excavation for each cable through water depths less than six feet deep. Two exit pits will ultimately be required; however, four are proposed (two base case, two backup). For flexibility during construction, one sample from each pit is planned.

Open-Cut Excavation Option (“Open Cut” Option). This option utilizes open-cut excavation for the approximately 3,300 feet for each cable from the shoreline through water depths less than six feet deep.

In the following sections, both options described above are presented together as a single project to provide flexibility in construction alternatives although ultimately only one option will be chosen.

Figures 10 to 13 present the proposed core locations.

3.3.2 Bathymetry

Bathymetric data for this area was collected between October 5th and 7th, 2021 by Aqua Survey, Inc. on behalf of Ocean Wind and incorporated on the relevant figures of this SSAP. Vessel-deployed, single-beam echosounders were used.

The data are presented in feet MLLW.

3.3.3 Nearby Anthropogenic Concerns

A desktop review was conducted for the presence of the concerns required in the SSAP Template as described below.

Item	Finding
Outfalls within 500 ft.	None noted.
Intakes within 500 ft.	None noted.
In-Water Structures in the vicinity.	None noted.
Boat/Vessel Fueling Stations within 500 ft.	None noted.

No additional bulkheads, piles, dolphins, moorings, turning basins, or other prominent surface or bottom features were identified in the immediate vicinity of the proposed work area.

3.3.4 Proposed Dredging /Excavation Plan

Potential Excavation Area:	HDD Option with Open Cut Excavation: 331,900 sq. ft. Open Cut Excavation (no HDD): 406,550 sq. ft.
Proposed Dredging/ Excavation Method	To be determined based on contractor selection.

Type of Dredging:	New, temporary	
Proposed Depth:	HDD Exit Pits:	9.2 ft below mudline
	Cable Trench:	6.9 ft below mudline
Proposed Overdredge Depth:	0.5 ft	
	<u>HDD Option</u>	<u>Open-Cut Option</u>
Volume (no overdredge):	49,500 cy	57,700 cy
Volume (overdredge):	6,100 cy	7,800 cy
Total Volume:	55,600 cy	65,500 cy
Known Contamination/Spills:	No known nearby spills/contamination based on NJ-GeoWeb search completed in September 2021.	

3.3.5 Proposed Dredge Material & Water Management Alternative(s)

It is the goal of Ocean Wind to beneficially reuse excavated material to the extent allowable based on input from NJDEP, USACE, and/or other bodies with regulatory jurisdiction.

Placement Alternative(s)	- Beach nourishment (provided material meets requirements outlined in N.J.A.C. 7:7 Appendix G Chapter V Section C) - Upland Placement
Dewatering Method(s)	To be determined after contractor and equipment selection.

3.3.6 Proposed Core Locations

The number and position of proposed core locations are based on the approximate dredge volume of each option and the 8,000 cubic yards per core maximum set forth in the CZM.

For the purposes of this SSAP, both installation options are being considered as one potential installation and therefore the proposed core quantity is based off both in order to provide flexibility during construction. Only one option will ultimately be considered.

A total of 17 core locations are proposed. Four cores are proposed within HDD exit pits (one at each potential pit); five cores associated with the HDD option; seven cores associated with the Open Cut option; and one core that supports both options.

Sample ID Number ¹	Install Option	Planned X Coordinate ²	Planned Y Coordinate ²	Project Depth ³	Proposed Overdredge	Depth of Collection ³
OCW_DRE_DS016_VC	HDD	587998	356722	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs
OCW_DRE_DS017_VC	Both	587985	356558	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs
OCW_DRE_DS018_VC	Open Cut	587590	356698	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs
OCW_DRE_DS019_VC	HDD	587130	356615	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs
OCW_DRE_DS020_VC	Open Cut	587016	356727	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs
OCW_DRE_DS021_VC	HDD	586821	356798	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs
OCW_DRE_DS022_VC	Open Cut	586441	356744	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs

Sample ID Number ¹	Install Option	Planned X Coordinate ²	Planned Y Coordinate ²	Project Depth ³	Proposed Overdredge	Depth of Collection ³
OCW_DRE_DS023_VC	Open Cut	586367	356616	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs
OCW_DRE_DS024_VC	HDD	586229	356833	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs
OCW_DRE_DS025_VC	HDD	586029	356676	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs
OCW_DRE_DS026_VC	HDD (Pit)	585907	356851	9.2 ft bgs	0.5 ft	ML to 9.7 ft bgs
OCW_DRE_DS027_VC	HDD (Pit)	585707	356860	9.2 ft bgs	0.5 ft	ML to 9.7 ft bgs
OCW_DRE_DS028_VC	Open Cut	585727	356774	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs
OCW_DRE_DS029_VC	HDD (Pit)	585739	356699	9.2 ft bgs	0.5 ft	ML to 9.7 ft bgs
OCW_DRE_DS030_VC	HDD (Pit)	585554	356707	9.2 ft bgs	0.5 ft	ML to 9.7 ft bgs
OCW_DRE_DS031_VC	Open Cut	585181	356801	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs
OCW_DRE_DS032_VC	Open Cut	584965	356690	6.9 ft bgs	0.5 ft	ML to 7.4 ft bgs

1. Station identification and positioning will be finalized prior to field mobilization.
2. New Jersey State Plane (NAD 1983) Coordinate System – Feet
3. ML = mudline/seabed surface. ft bgs = feet below grade (mudline) surface. For cable burial work areas depths are given in ft bgs due to burial depth requirements. In areas where vessel access is required, depths are provided in ft MLLW. Depth of collection is the proposed homogenized core length unless visually distinct strata are encountered.

3.3.7 Core Compositing

Compositing across core locations is not proposed.

3.3.8 Analytical Testing

All samples will be tested for Tier I and Tier II Bulk Chemistry parameters as required. Volatile organic compounds (VOCs), polychlorinated biphenyl (PCB) congeners, and dioxins/furans are not required. Testing for additional parameters may be performed at the discretion of Ocean Wind.

Laboratory analyses will be conducted by a laboratory certified by NJDEP to conduct such analyses. The following table presents the analyses to be performed for this Project Area.

All Samples	Tier I Physical / Geotechnical	Grain Size	ASTM D422 or D4381 with hydrometer
		Total Organic Carbon	USEPA 440.0, or USEPA SW-846 9060A, Llyod Kahn, or equivalent
		Water Content	ASTMD653/D2216/D4643, EPA SM2540D or equivalent.
	Tier II Bulk Chemistry ⁽¹⁾	TCL SVOCs	EPA 8270D
		TCL Pesticides	EPA 8081B
		TCL PCBs (Aroclors)	EPA 8082A
		Inorganics (TAL Metals, cyanide, mercury, tri- and hexavalent chromium)	EPA 6010D/6020B, 9012B, 7471B, 3060A/7196A
If Required ⁽²⁾	Tier II Modified Elutriate	Same target analytes as Bulk Chemistry, only required if hydraulic dredging is used.	

TCL – Target Compound List, TAL – Target Analyte List

SVOCs – semi-volatile organic compounds, PCBs – polychlorinated biphenyls

- (1) Bulk sediment chemistry testing will be required if testing exclusion defined in N.J.A.C. 7:7 Appendix G, Chapter III, Section C (greater than 90% sand [0.0625mm]) is not met.
- (2) Modified elutriate testing required only if hydraulic dredging is to be utilized.

3.3.8.1 Additional Sampling Note

The activities proposed in this Project Area are new work despite the temporary nature of the excavations. Per NJDEP requirements, the bottom six inches of each core will be sampled separately in order to identify whether contaminated sediments, if present, will be exposed to biota during the time that the excavations are open.

3.4 BL England Cable Landfall

3.4.1 Description

The southern ECR has a proposed landfall near 35th Street in Ocean City, New Jersey. One HDD exit pit is proposed with two alternative locations provided for flexibility.

These exit pits are proposed to be approximately 123 feet wide and 252 feet long at grade.

Figure 14 presents the proposed core locations.

3.4.2 Bathymetry

Seabed surface survey was conducted by EGS Maryland, LLC (EGS) on behalf of Ocean Wind between June 5th and June 7th, 2021. A combination of high-resolution multibeam echosounder (MBES) in dual head configuration and tri-frequency high-resolution sidescan sonar (SSS) was deployed.

The data are presented in feet MLLW.

3.4.3 Nearby Anthropogenic Concerns

A desktop review was conducted for the presence of the concerns required in the SSAP Template as described below.

Item	Finding
Outfalls within 500 ft.	None noted.
Intakes within 500 ft.	None noted.
In-Water Structures in the vicinity.	None noted.
Boat/Vessel Fueling Stations within 500 ft.	None noted.

No additional bulkheads, piles, dolphins, moorings, turning basins, or other prominent surface or bottom features were identified in the immediate vicinity of the proposed work areas.

3.4.4 Proposed Dredging /Excavation Plan

Volumes and surface areas presented below are for the potential actual construction needs (only one pit is needed). Sampling is intended to support engineering and construction for any of the proposed locations (base case or backup) and therefore the number and placement of proposed core locations is based on base case plus backup locations.

Potential Excavation Area:	30,960 sq. ft. *area above reflects planned construction requirement (one pit).
Proposed Dredging/ Excavation Method	To be determined based on contractor selection.
Type of Dredging:	New, temporary

Proposed Depth:	9.2 ft below mudline
Proposed Overdredge Depth:	0.5 ft
Volume (no overdredge):	7,500 cy (each pit) *volume presented here and below are for anticipated material removal (one pit). Proposed core locations based on volume for base case and backup pits.
Volume (overdredge):	400 cy
Total Volume:	7,900 cy
Known Contamination/Spills:	No known nearby spills/contamination based on NJ-GeoWeb search completed in September 2021.

3.4.5 Proposed Dredge Material & Water Management Alternative(s)

It is the goal of Ocean Wind to beneficially reuse excavated material to the extent allowable based on input from NJDEP, USACE, and/or other bodies with regulatory jurisdiction.

Placement Alternative(s)	- Beach nourishment (provided material meets requirements outlined in N.J.A.C. 7:7 Appendix G Chapter V Section C) - Upland Placement
Dewatering Method(s)	To be determined after contractor and equipment selection.

3.4.6 Proposed Core Locations

One core per potential HDD exit is planned. Cores will be advanced near the approximate center of the footprint of the pit. The number of proposed cores along the remainder of the cable alignment excavation are positioned to provide geographic coverage of the area and are based on 8,000 cubic yards per core maximum as defined in CZM Appendix G.

NOTE: The cable alignments for the two options under consideration do not have extensive overlapping areas. Spacing of proposed core locations is intended to provide spatial coverage of the potential work area under both installation options.

Sample ID Number ¹	Planned X Coordinate ²	Planned Y Coordinate ²	Project Depth ³	Proposed Overdredge	Depth of Collection ³
OCW_DRE_DS033_VC	462586	149837	9.2 ft bgs	0.5 ft bgs	ML to 9.7 ft bgs
OCW_DRE_DS034_VC	462387	150007	9.2 ft bgs	0.5 ft bgs	ML to 9.7 ft bgs
OCW_DRE_DS035_VC	462201	150166	9.2 ft bgs	0.5 ft bgs	ML to 9.7 ft bgs

- Station identification and positioning will be finalized prior to field mobilization.
- New Jersey State Plane (NAD 1983) Coordinate System – Feet
- ML = mudline/seabed surface. ft bgs = feet below grade (mudline) surface. For cable burial work areas depths are given in ft bgs due to burial depth requirements. In areas where vessel access is required, depths are provided in feet MLLW. Depth of collection is the proposed homogenized core length unless visually distinct strata are encountered.

3.4.7 Core Compositing

Compositing across core locations is not proposed.

3.4.8 Analytical Testing

All samples will be tested for Tier I and Tier II Bulk Chemistry parameters as required. Volatile organic compounds (VOCs), polychlorinated biphenyl (PCB) congeners, and dioxins/furans are not required. Testing for additional parameters may be performed at the discretion of Ocean Wind.

Laboratory analyses will be conducted by a laboratory certified by NJDEP to conduct such analyses. The following table presents the analyses to be performed for this Project Area.

All Samples	Tier I Physical / Geotechnical	Grain Size	ASTM D422 or D4381 with hydrometer
		Total Organic Carbon	USEPA 440.0, or USEPA SW-846 9060A, Llyod Kahn, or equivalent
		Water Content	ASTMD653/D2216/D4643, EPA SM2540D or equivalent.
	Tier II Bulk Chemistry ⁽¹⁾	TCL SVOCs	EPA 8270D
		TCL Pesticides	EPA 8081B
		TCL PCBs (Aroclors)	EPA 8082A
		Inorganics (TAL Metals, cyanide, mercury, tri- and hexavalent chromium)	EPA 6010D/6020B, 9012B, 7471B, 3060A/7196A
	If Required ⁽²⁾	Tier II Modified Elutriate	Same target analytes as Bulk Chemistry, only required if hydraulic dredging is used.

TCL – Target Compound List, TAL – Target Analyte List

SVOCs – semi-volatile organic compounds, PCBs – polychlorinated biphenyls

(1) Bulk sediment chemistry testing will be required if testing exclusion defined in N.J.A.C. 7:7 Appendix G, Chapter III, Section C (greater than 90% sand [0.0625mm]) is not met.

(2) Modified elutriate testing required only if hydraulic dredging is to be utilized.

3.4.8.1 Additional Sampling Note

The activities proposed in this Project Area are new work despite the temporary nature of the excavations. Per NJDEP requirements, the bottom six inches of each core will be sampled separately in order to identify whether contaminated sediments, if present, will be exposed to biota during the time that the excavations are open.

3.5 Oyster Creek Federal Channel Maintenance Dredging Area

3.5.1 Description

The Oyster Creek Federal Channel provides a navigable waterway connecting the Atlantic Ocean to Barnegat Bay and the New Jersey Intracoastal Waterway. The USACE Philadelphia District is responsible for periodic dredging of the channel to maintain navigability. A portion of the channel located near the western terminus in Barnegat Bay has been identified where the width has narrowed to one that may restrict the ability of construction vessels to access the bay. Ocean Wind is proposing to perform a sufficient maintenance dredging in this vicinity to support construction activities should Ocean Wind's construction schedule and USACE's maintenance dredging schedule not align.

The authorized channel dimensions are 200 feet wide to a depth of 8 feet MLLW. Based on input provided by USACE it is understood by Ocean Wind that the channel location is somewhat fluid and driven by available deeper water as it naturally occurs. In the area where maintenance dredging is being considered, USACE

indicated that the 200 foot channel width should extend to the south of the northern edge of the current channel.

Ocean Wind will continue to engage with USACE and NJDEP to coordinate this proposed activity.

Figures 15 to 18 present the proposed core locations.

3.5.2 Bathymetry

Bathymetric data was obtained from the USACE Philadelphia District & Marine Design Center website. According to the metadata associated with the bathymetric data, the survey was conducted by AC Surveys on January 12, 2021 using a single-beam echosounder and survey-grade global positioning equipment. This bathymetric data was used for the approximation of the dredge prism and volumes.

Bathymetric data available at the following URL: <https://www.nap.usace.army.mil/Missions/Civil-Works/Surveys/Projects/NJInlets/>

3.5.3 Nearby Anthropogenic Concerns

A desktop review was conducted for the presence of the concerns required in the SSAP Template as described below.

Item	Finding
Outfalls within 500 ft.	None noted.
Intakes within 500 ft.	None noted.
In-Water Structures in the vicinity	None noted.
Boat/Vessel Fueling Stations within 500 ft.	None noted.

3.5.4 Proposed Dredging / Excavation Plan

Potential Excavation Area:	Up to 118,000 sq. ft.
Proposed Dredging/ Excavation Method	To be determined based on contractor selection. May include mechanical or hydraulic excavation methods.
Type of Dredging:	Maintenance Dredging
Proposed Depth:	-8 ft MLLW
Proposed Overdredge Depth:	0.5 ft
Volume (no overdredge):	4,000 cy*
Volume (overdredge):	800 cy*
Total Volume:	4,800 cy*
Known Contamination/Spills:	No known nearby spills/contamination based on NJ-GeoWeb search completed in September 2021.

*Approximate.

3.5.5 Proposed Dredge Material & Water Management Alternative(s)

It is the goal of Ocean Wind to beneficially reuse excavated material to the extent allowable based on input from NJDEP, USACE, and other bodies with regulatory jurisdiction.

Given that this area is actively maintained by the USACE, Ocean Wind will continue to coordinate and discuss placement options that follow the USACE program to the extent practical and allowable.

Placement Alternative(s)	- Beach nourishment (provided material meets requirements outlined in N.J.A.C. 7:7 Appendix G Chapter V Section C) - Upland Placement
Dewatering Method(s)	To be determined after contractor and equipment selection.

3.5.6 Proposed Core Locations

Proposed core quantity is based off the minimum core requirements outlined in the CZM Appendix G.

Proposed placement is based on approximate thickness of material to be removed within the federal channel and biased towards areas where more material is expected.

Sample ID Number ¹	Planned X Coordinate ²	Planned Y Coordinate ²	Project Depth ³	Proposed Overdredge	Depth of Collection ³
OCW_DRE_DS036_VC	588158	348848	-8.0 ft MLLW	0.5 ft	ML to -8.5 ft MLLW
OCW_DRE_DS037_VC	588654	348982	-8.0 ft MLLW	0.5 ft	ML to -8.5 ft MLLW
OCW_DRE_DS038_VC	588936	349074	-8.0 ft MLLW	0.5 ft	ML to -8.5 ft MLLW

- Station identification and positioning will be finalized prior to field mobilization.
- New Jersey State Plane (NAD 1983) Coordinate System – Feet
- ML = mudline / seabed surface. Depth of collection is the proposed homogenized core length unless visually distinct strata are encountered.

3.5.7 Core Compositing

Compositing across core locations is not proposed.

3.5.8 Analytical Testing

All samples will be tested for Tier I and Tier II Bulk Chemistry parameters as required. Volatile organic compounds (VOCs), polychlorinated biphenyl (PCB) congeners, and dioxins/furans are not required. Testing for additional parameters may be performed at the discretion of Ocean Wind.

Laboratory analyses will be conducted by a laboratory certified by NJDEP to conduct such analyses. The following table presents the analyses to be performed for this Project Area.

All Samples	Tier I Physical / Geotechnical	Grain Size	ASTM D422 or D4381 with hydrometer
		Total Organic Carbon	USEPA 440.0, or USEPA SW-846 9060A, Lloyd Kahn or equivalent
		Water Content	ASTMD653/D2216/D4643, EPA SM2540D or equivalent.
	Tier II Bulk Chemistry ⁽¹⁾	TCL SVOCs	EPA 8270D
		TCL Pesticides	EPA 8081B
		TCL PCBs (Aroclors)	EPA 8082A
		Inorganics (TAL Metals, cyanide, mercury, tri- and hexavalent chromium)	EPA 6010D/6020B, 9012B, 7471B, 3060A/7196A
	If Required ⁽²⁾	Tier II Modified Elutriate	Same target analytes as Bulk Chemistry, only required if hydraulic dredging is used.

TCL – Target Compound List, TAL – Target Analyte List

SVOCs – semi-volatile organic compounds, PCBs – polychlorinated biphenyls

- (1) Bulk sediment chemistry testing will be required if testing exclusion defined in N.J.A.C. 7:7 Appendix G, Chapter III, Section C (greater than 90% sand [0.0625mm]) is not met.
- (2) Modified elutriate testing required only if hydraulic dredging is to be utilized.

3.5.8.1 Additional Sampling Note

The activity proposed in this Project Area is maintenance dredging. Per NJDEP, the bottom six inches of each core will not be sampled separately.

3.6 Barnegat Bay Export Cable Route Alignment

3.6.1 Description

The (ECR) within Barnegat Bay is proposed to extend approximately 1.5 miles west of IBSP into the center of the bay before turning south-southwest for another approximately 3 to 3.3 miles where it turns west towards the Holtec Property Landfall, approximately 1 mile offshore. Cable burial is anticipated to be achieved using jet plow or jet sled (jetting) tools in areas where dredging is not being proposed. The proposed jetting tool works by fluidizing sediment along the intended path of the cable – introducing water at high pressure along the leading edge or face of two swords that straddle the cable – allowing the cable to sink into the fluidized trench under its own weight. The jetting tool's hydraulic nozzles are controlled and pointed downward so as not to produce an upward movement of sediment into the water column; the benefit of using this method is to maximize the replacement of sediments within the trench to embed the cable as jetting progresses. Cable burial depth beneath the sediment surface is determined by the length of the swords and degree to which the sediment is fluidized. This cable installation method disturbs the sediment in the trench as little as possible so that the sediment can provide future cable protection. Note that dredging is not planned for areas other than those described in this SSAP.

Three sediment cores are positioned along the central portion of the ECR within Barnegat Bay to assess sediment bulk chemistry in areas where a jetting tool is the intended cable installation method. These cores are added to the sampling program at the request of NJDEP.

Figure 19 presents the proposed core locations.

3.6.2 Proposed Core Locations

Cable burial depth is anticipated to be 4 to 6 feet below the existing seabed or in accordance with the cable burial risk assessment (CBRA) depth. Core samples will be driven to the anticipated maximum burial depth (6 feet below the mudline).

Sample ID Number ¹	Planned X Coordinate ²	Planned Y Coordinate ²	Project Depth ³	Proposed Overdredge	Depth of Collection ³
OCW_DRE_DS039_VC	597452	368292	~ 6 ft bgs	Not Applicable	ML to 6.0 ft bgs
OCW_DRE_DS040_VC	595094	364092	~ 6 ft bgs	Not Applicable	ML to 6.0 ft bgs
OCW_DRE_DS041_VC	591969	358318	~ 6 ft bgs	Not Applicable	ML to 6.0 ft bgs

1. Station identification and positioning will be finalized prior to field mobilization.
2. New Jersey State Plane (NAD 1983) Coordinate System – Feet
3. ML = mudline/seabed surface. ft bgs = feet below grade (mudline) surface. For cable burial work areas depths are given in ft bgs due to burial depth requirements. Depth of collection is the proposed homogenized core length unless visually distinct strata are encountered.

3.6.3 Core Compositing

Cores will not be composited across sampling stations.

3.6.4 Analytical Testing

All samples will be tested for Tier I and Tier II Bulk Chemistry parameters as required. Volatile organic compounds (VOCs), polychlorinated biphenyl (PCB) congeners, and dioxins/furans are not required.

Laboratory analyses will be conducted by a laboratory certified by NJDEP to conduct such analyses. The following table presents the analyses to be performed for this Project Area.

All Samples	Tier I Physical / Geotechnical	Grain Size	ASTM D422 or D4381 with hydrometer
		Total Organic Carbon	USEPA 440.0, or USEPA SW-846 9060A, Llyod Kahn, or equivalent
		Water Content	ASTMD653/D2216/D4643, EPA SM2540D or equivalent.
	Tier II Bulk Chemistry ⁽¹⁾	TCL SVOCs	EPA 8270D
		TCL Pesticides	EPA 8081B
		TCL PCBs (Aroclors)	EPA 8082A
		Inorganics (TAL Metals, cyanide, mercury, tri- and hexavalent chromium)	EPA 6010D/6020B, 9012B, 7471B, 3060A/7196A

TCL – Target Compound List, TAL – Target Analyte List

SVOCs – semi-volatile organic compounds, PCBs – polychlorinated biphenyls

(1) Bulk sediment chemistry testing will be required if testing exclusion defined in N.J.A.C. 7:7 Appendix G, Chapter III, Section C (greater than 90% sand [0.0625mm]) is not met.

(2) Modified elutriate testing required only if hydraulic dredging is to be utilized.

4. Sampling Methodology

The following section applies to all Project Areas described in Section 3 above.

Activity	Organization Responsible
Sample Collection	Alpine Ocean Seismic Surveys, Inc. (vessel operations)
Sample Homogenization	HDR Engineering, Inc.
Sample Compositing	N/A

4.1 Sample Collection

Samples will be collected in a manner consistent with N.J.A.C. 7:7 (October 2021) Appendix G, the NJDEP SSAP Template Form, and the NJDEP Field Sampling Procedures Manual (2005).

Cores will be collected using a vessel deployed vibratory coring device (vibracore).

4.2 Sample Homogenization

Cores will be homogenized from existing mudline to the project depth unless distinct visual strata in grain size and composition of at least two feet in length are observed. If visually distinct strata thicker than two feet thick are observed, each stratum will be homogenized and sampled as separate units. Collected sample material will be placed into containers for the required analysis as supplied by the analytical laboratory. Sample containers will be clearly labeled with the station/sample identification code, collection date and time, collection depth, and requested analyses and transported under chain-of-custody protocol to the subcontracted laboratory.

4.3 Sample Compositing

Compositing of cores within each Project Area is not planned.

5. References

- NJDEP. 2009. Ecological Screening Criteria (ESC). 2009 March 10. Available online: <https://www.nj.gov/dep/srp/guidance/ecoscreening/>
- NJDEP. 2020. New Jersey Dredging Projects Sediment Sampling and Analysis Plan (SSAP) Template. Version 4.0. September 2020.
- NJDEP. 2021. New Jersey Administrative Code (N.J.A.C.) 7:7 Coastal Zone Management Rules. Last Amended October 5, 2021.
- Romanok KM, Szabo S, Reilly TJ, et al. 2016. Sediment chemistry and toxicity in Barnegat Bay, New Jersey: Pre- and post-Hurricane Sandy, 2012–13. USGS. Mar Pollut Bull; 107 (2): 472-88. <https://doi.org/10.1016/j.marpolbul.2016.04.018> (Accessed 2020 Sept 28) (Power point: https://www.nj.gov/dep/wms/download/Szabo%20-%20Sediment%20Chemistry%20and%20Toxicity_PP.pdf)
- USACE. 2021. Survey Data for Oyster Creek Federal Channel. United States Army Corps of Engineers Philadelphia District & Marine Design Center. <https://www.nap.usace.army.mil/Missions/Civil-Works/Surveys/Projects/NJInlets/> (accessed October 27, 2021).
- USGS. 2020. National Water Information System: Web Interface. Last Modified 15 Sept 2020. Available online: <https://waterdata.usgs.gov/nwis> (Accessed 2020 Sept 16).
- USGS. 2014. Characterization of selected bed-sediment-bound organic and inorganic contaminants and toxicity, Barnegat Bay and major tributaries, New Jersey, 2012: U.S. Geological Survey Data Series 867. <http://dx.doi.org/10.3133/ds867>

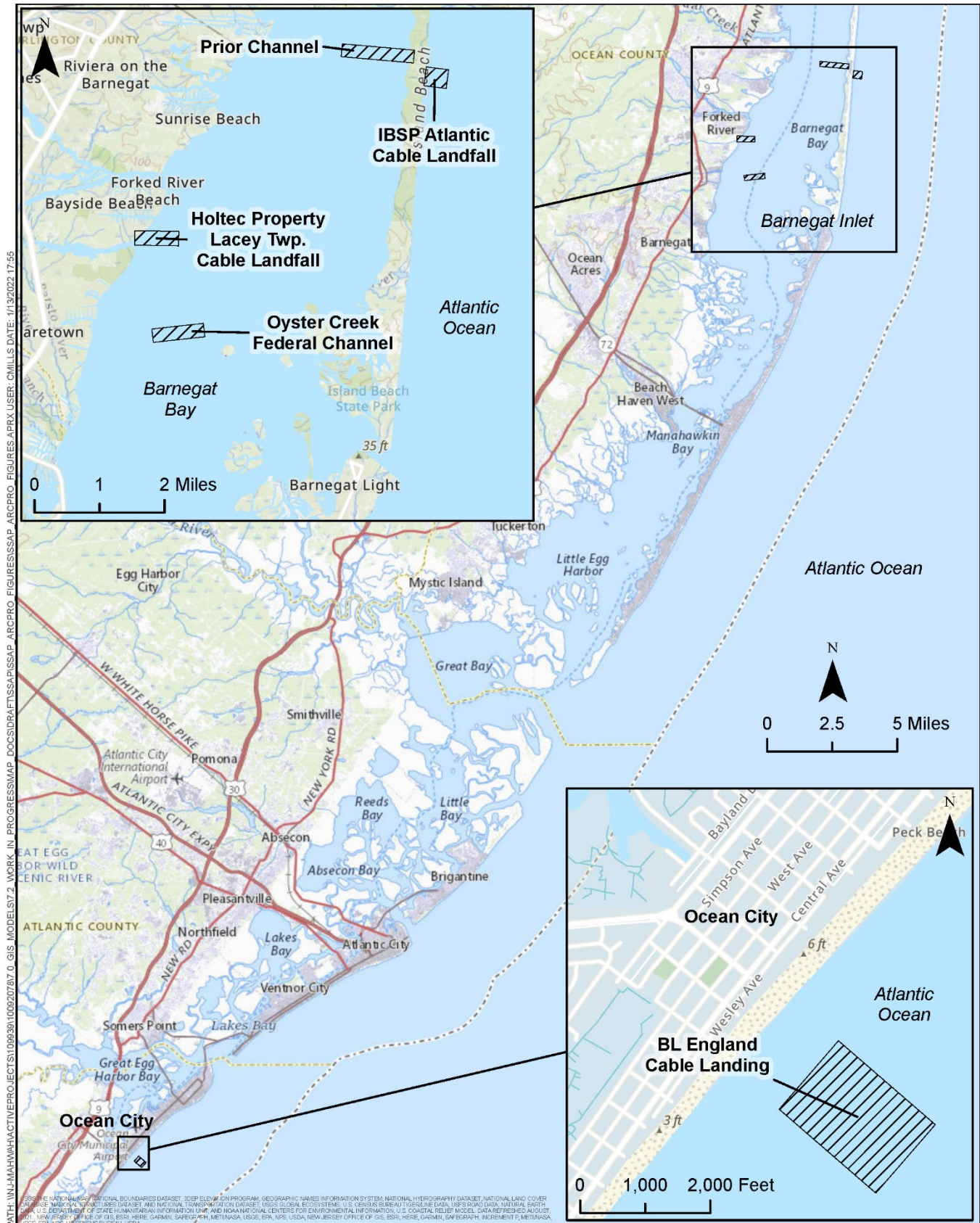


Figure 1. Site Location and Project Areas

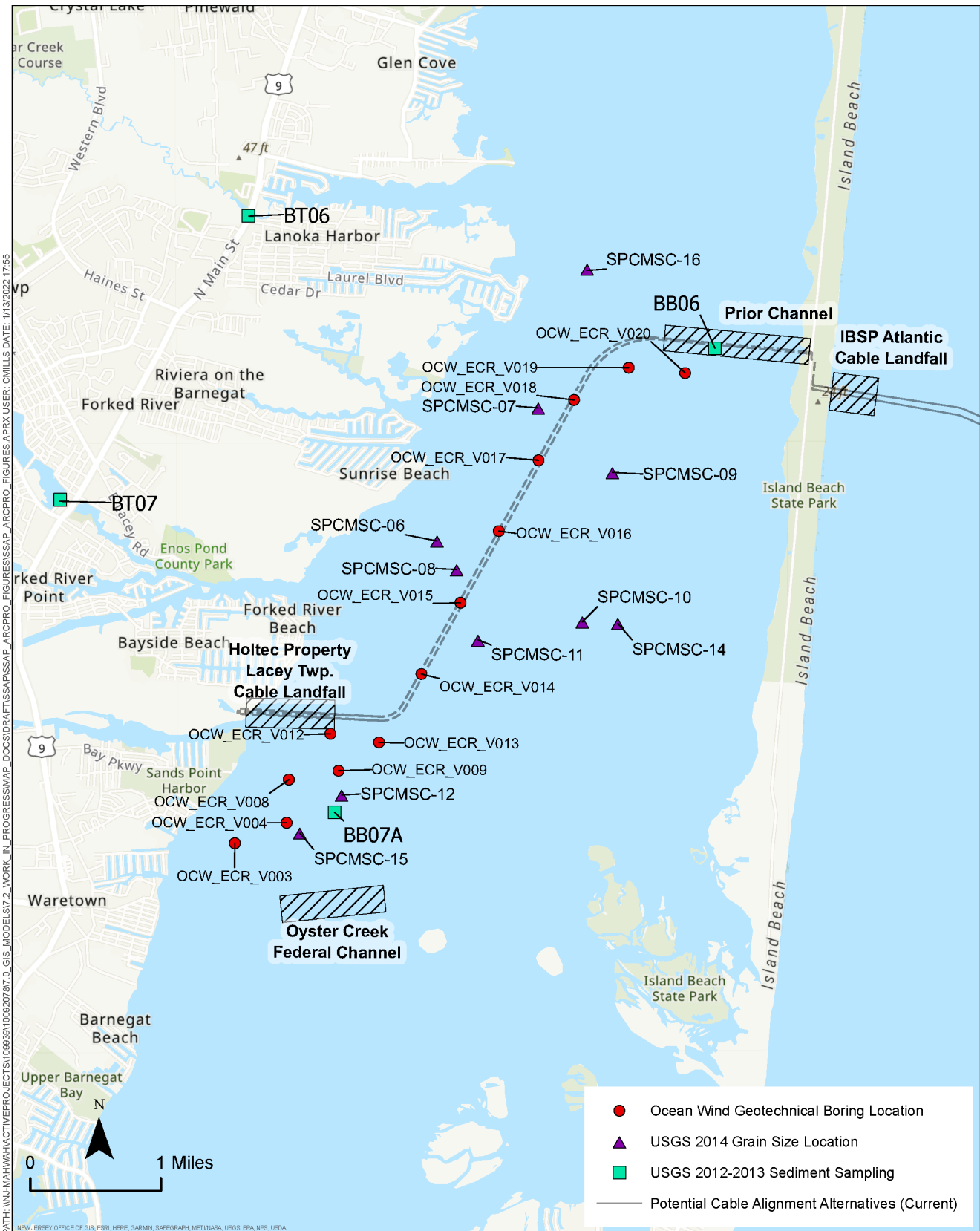


Figure 2. Previously Sampled Locations

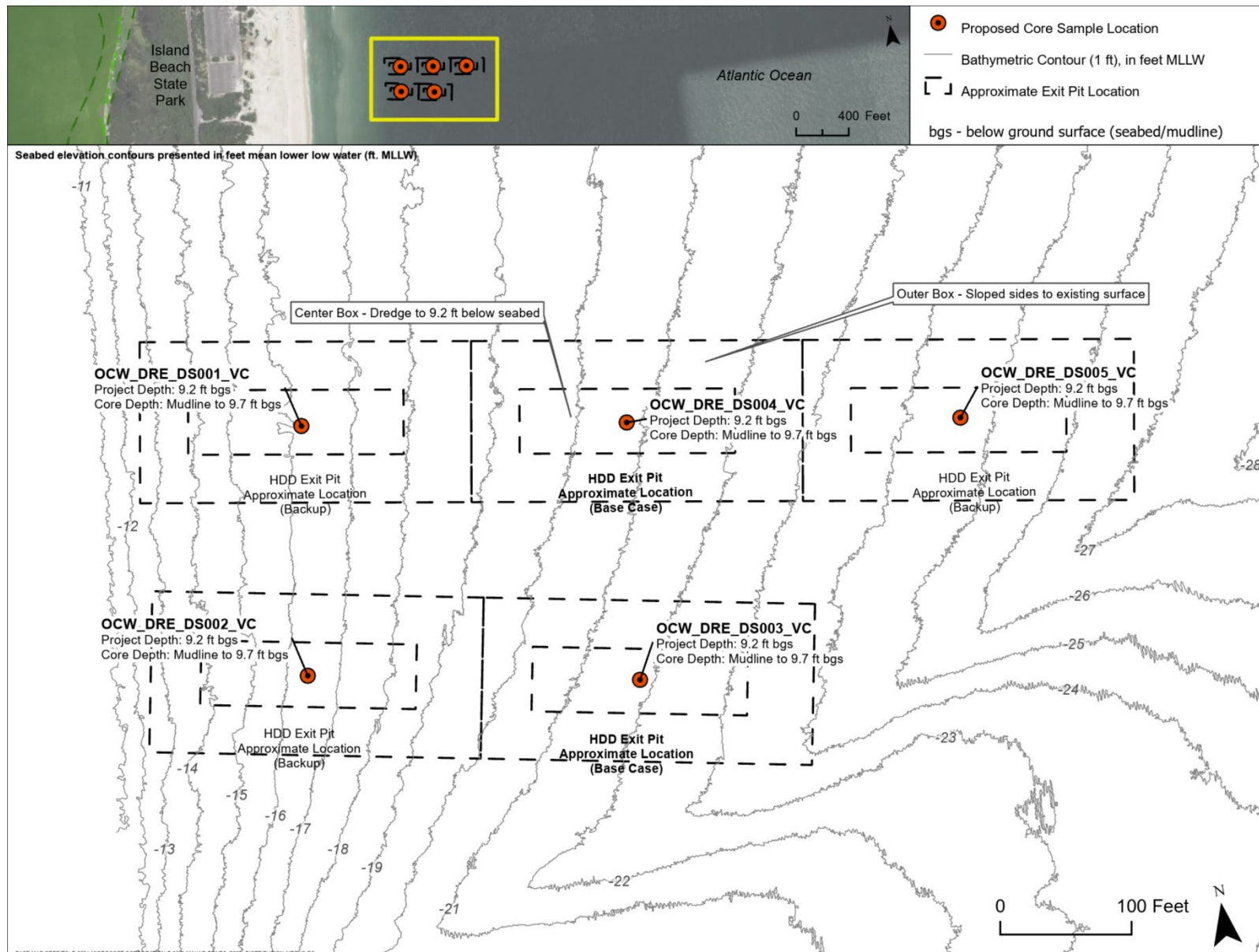
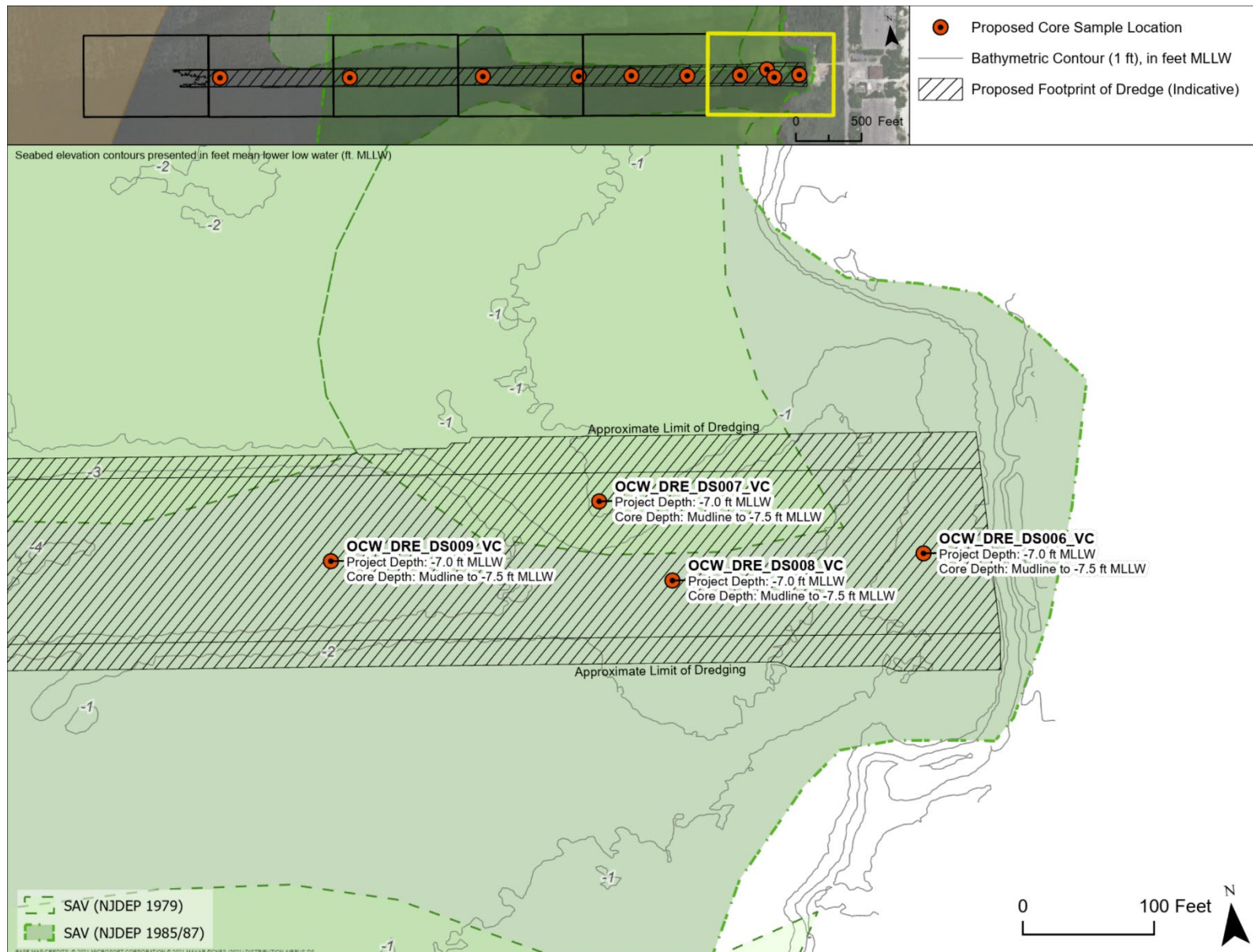


Figure 3. IBSP Atlantic Cable Landfall Proposed Sample Locations

See SSAP Section 3 for source and date of bathymetry data.

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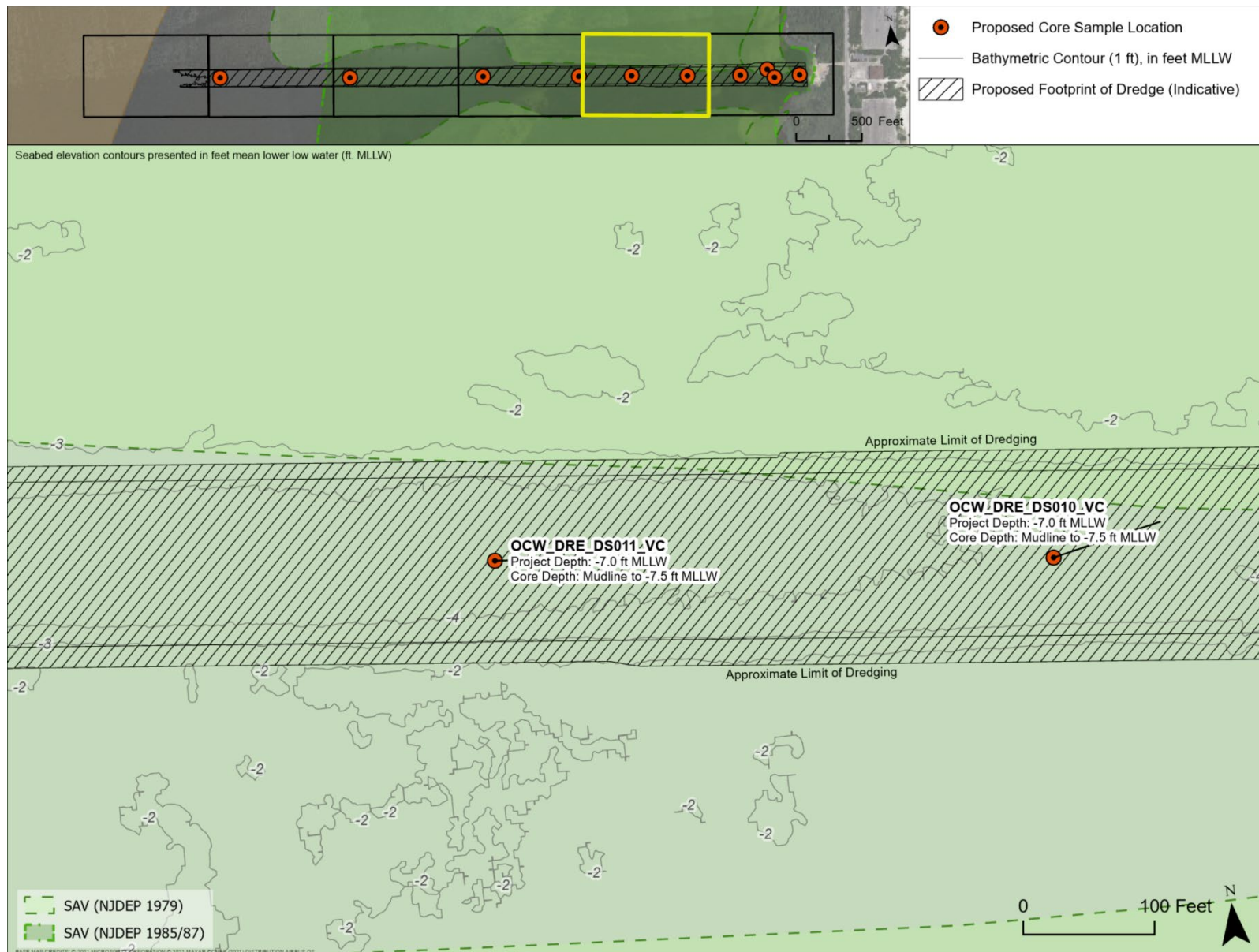


Figure 5. Prior Channel Proposed Sample Locations

See SSAP Section 3 for source and date of bathymetry.

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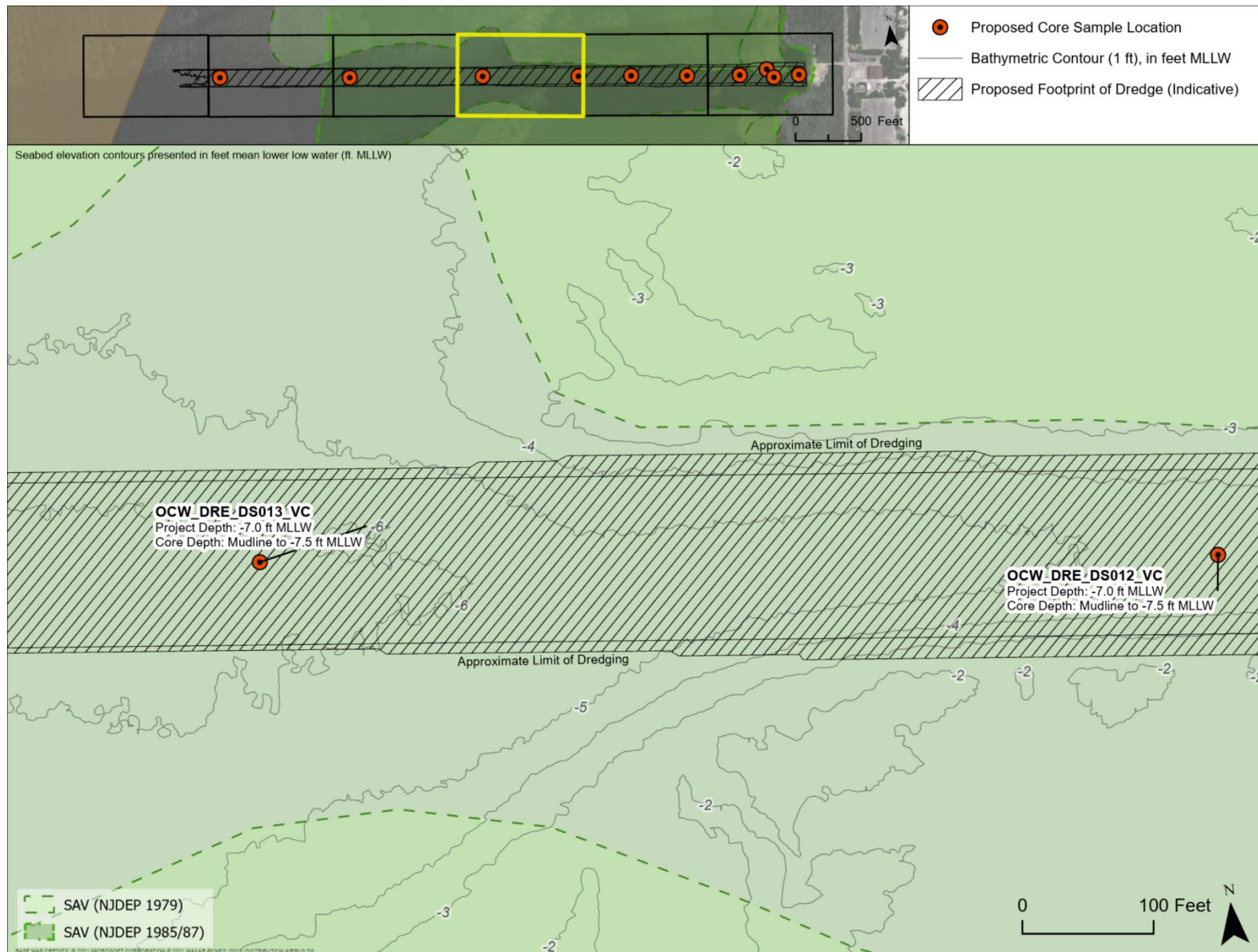


Figure 6. Prior Channel Proposed Sample Locations

See SSAP Section 3 for source and date of bathymetry.

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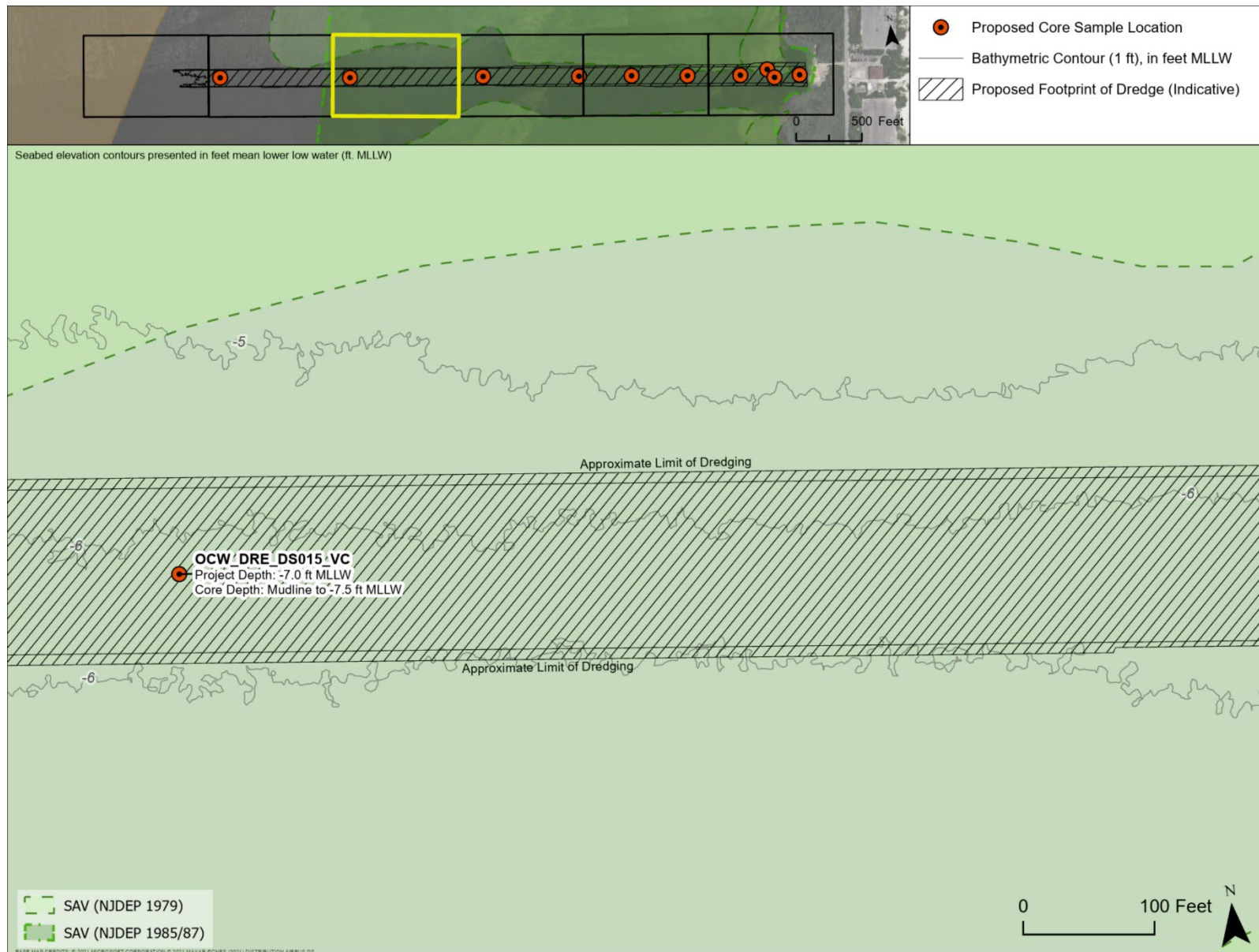


Figure 7. Prior Channel Proposed Sample Locations

See SSAP Section 3 for source and date of bathymetry.

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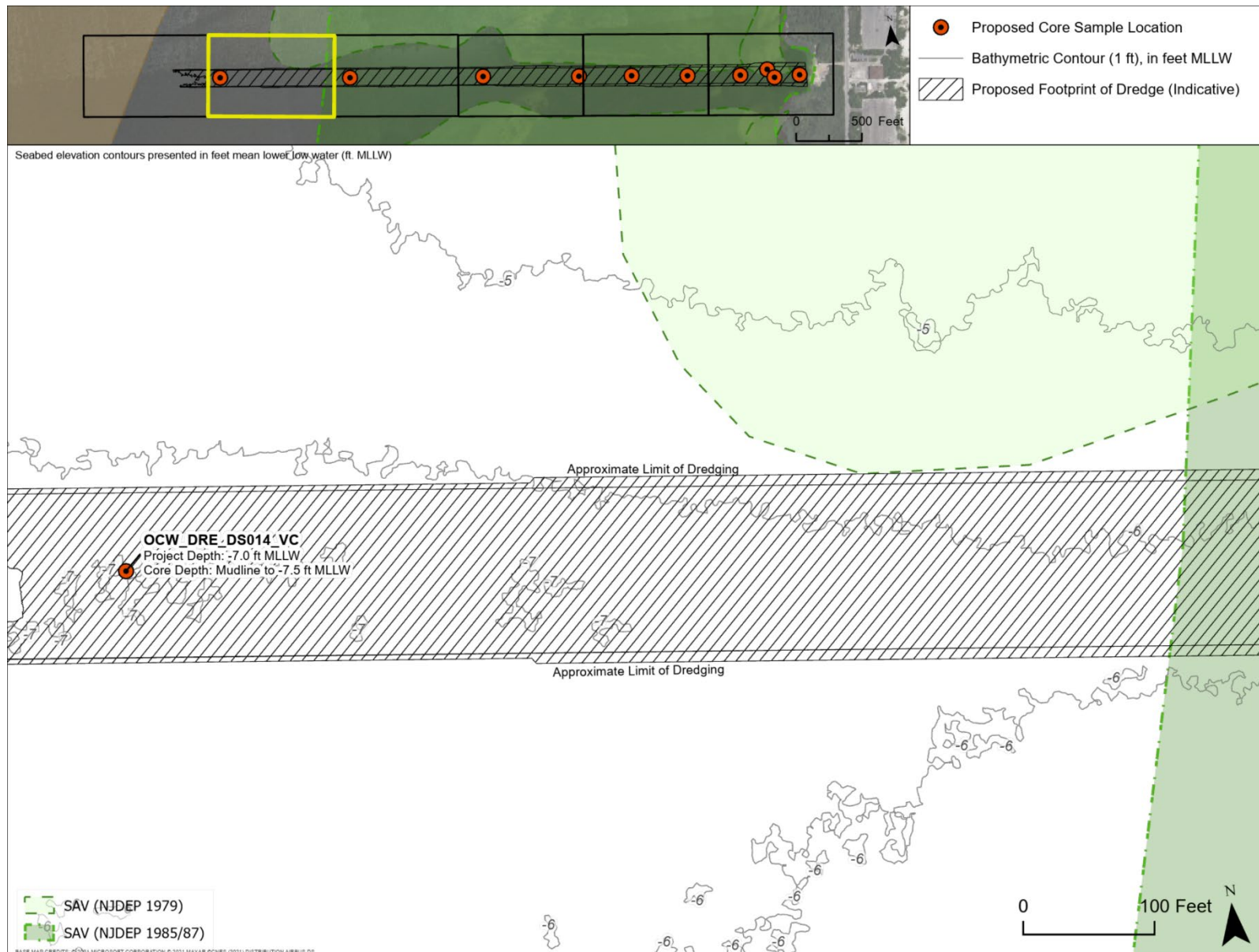


Figure 8. Prior Channel Proposed Sample Locations

See SSAP Section 3 for source and date of bathymetry.

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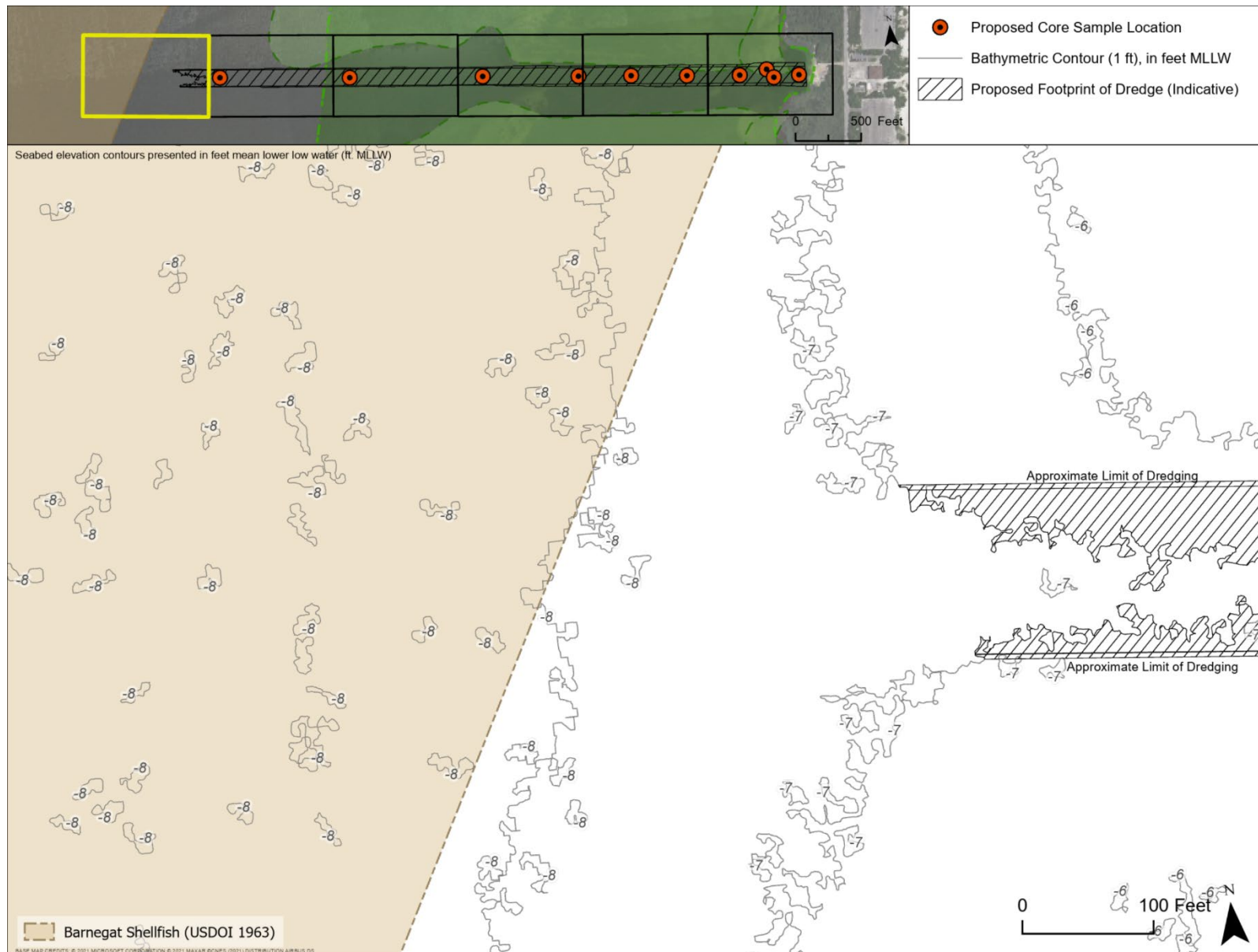


Figure 9. Prior Channel Proposed Sample Locations

See SSAP Section 3 for source and date of bathymetry.

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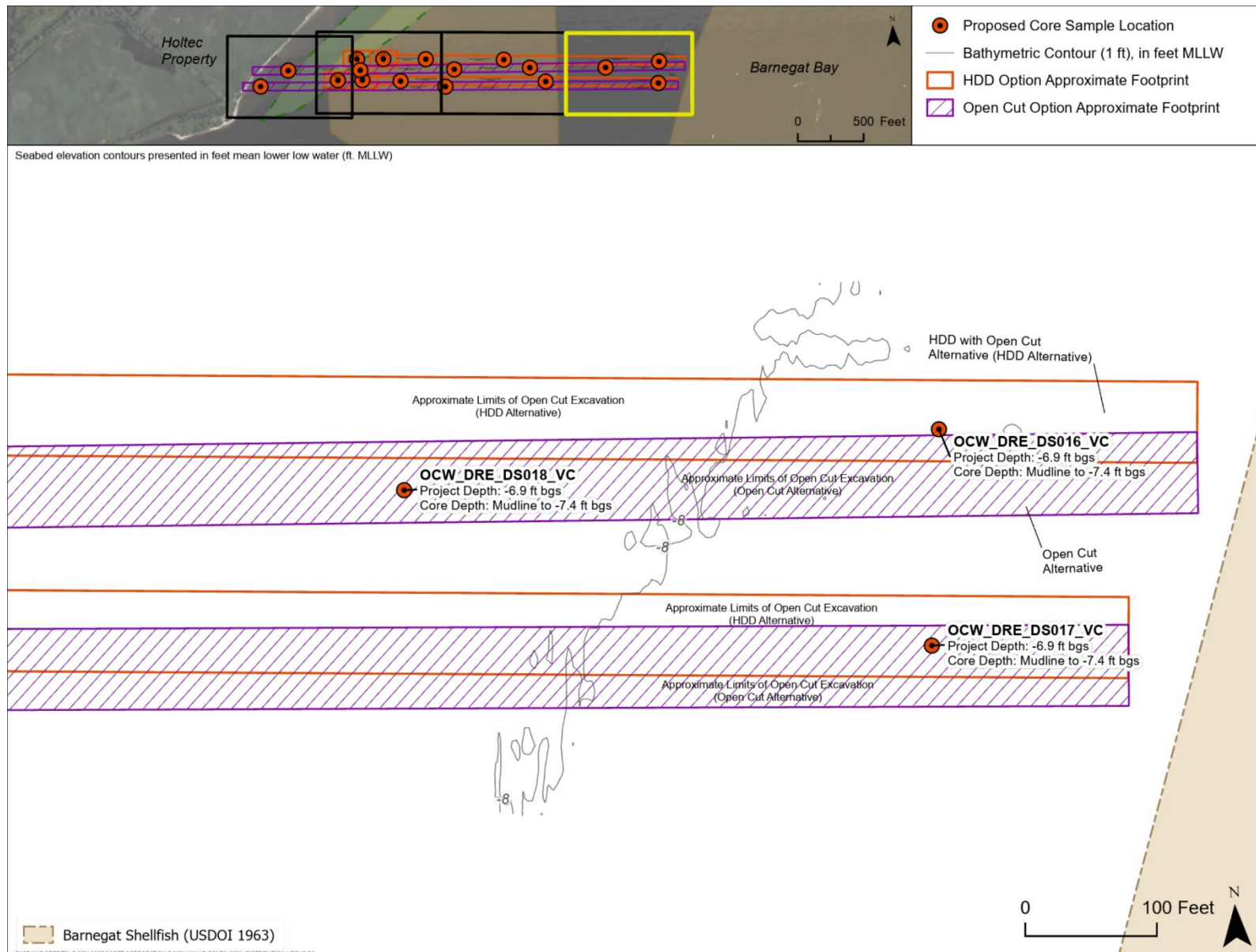


Figure 10. Holtec Property Lacey Twp. Cable Landfall Proposed Sample Locations

Bathymetry: Single beam echosounder collected October 2021 by Aqua Survey, Inc.

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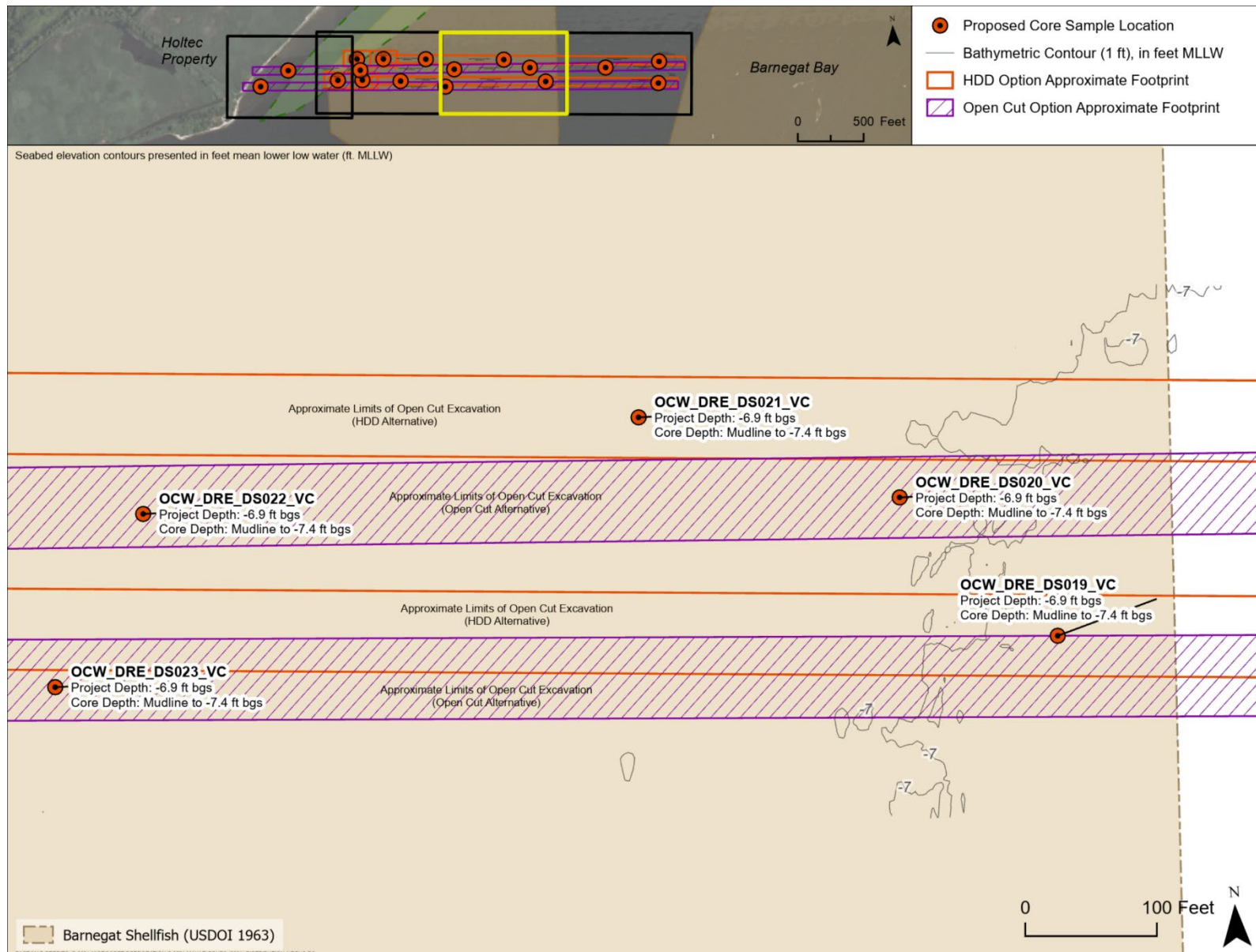


Figure 11. Holtec Property Lacey Twp. Cable Landfall Proposed Sample Locations

Bathymetry: Single beam echosounder collected October 2021 by Aqua Survey, Inc.

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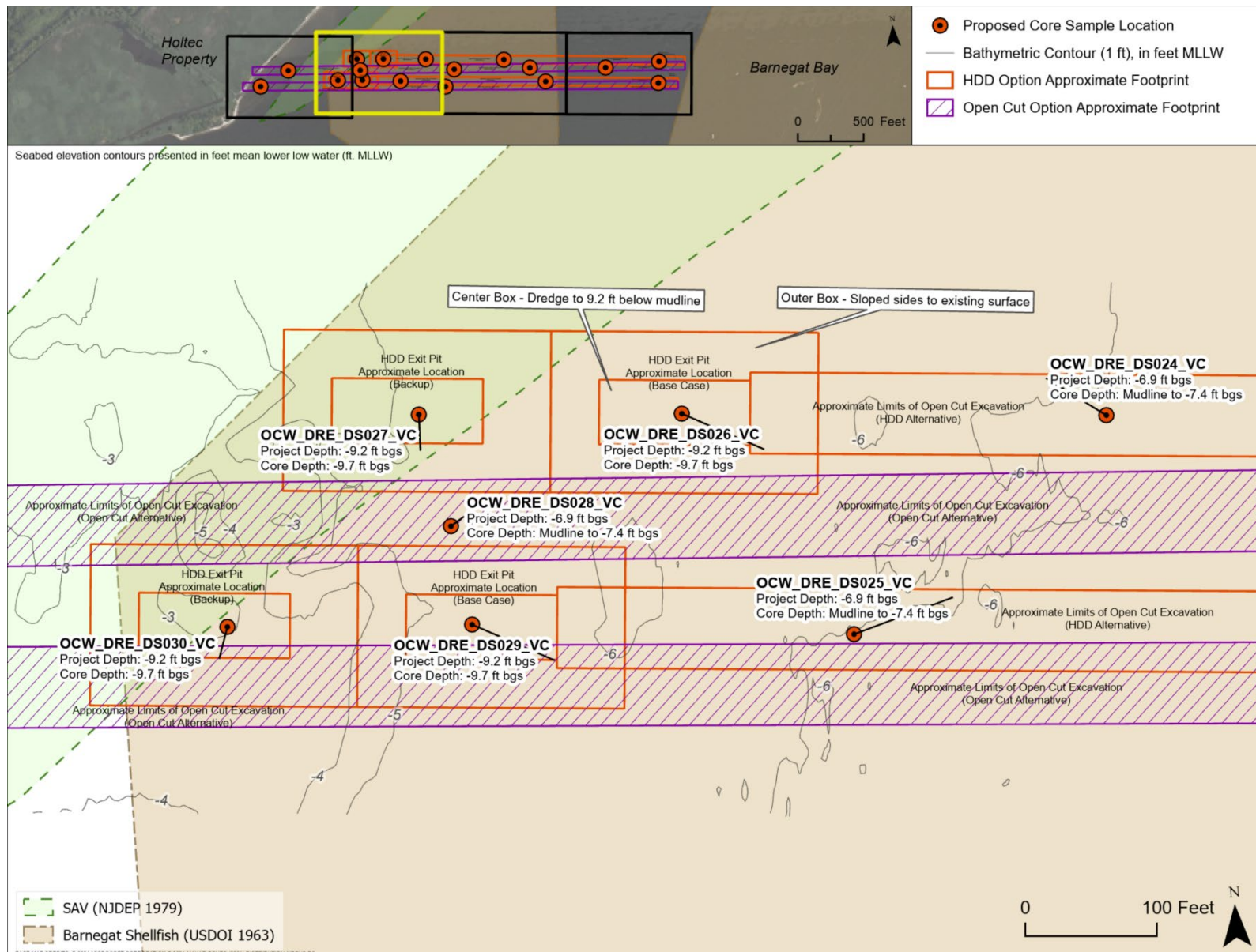


Figure 12. Holtec Property Lacey Twp. Cable Landfall Proposed Sample Locations

Bathymetry: Single beam echosounder collected October 2021 by Aqua Survey, Inc.

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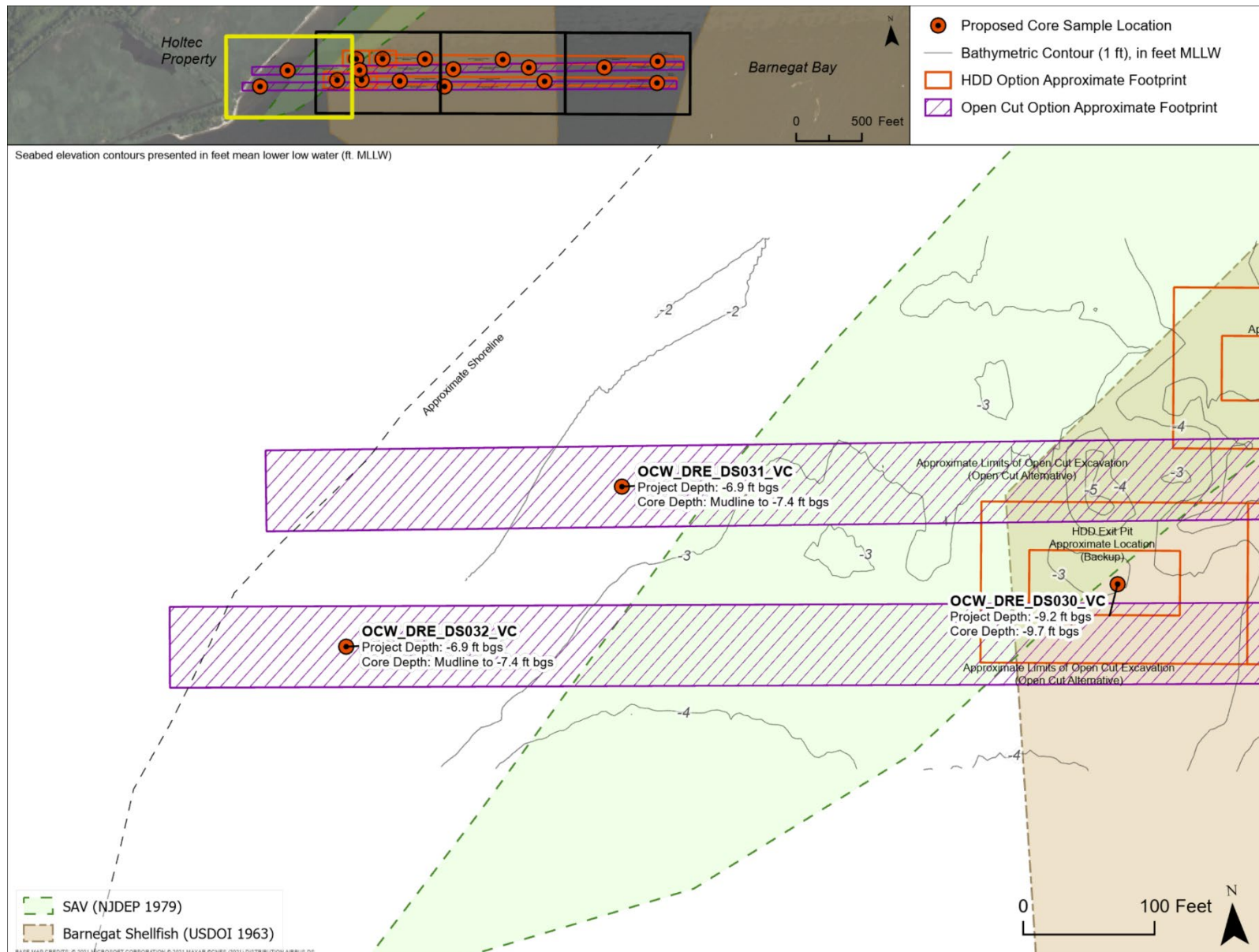


Figure 13. Holtec Property Lacey Twp. Cable Landfall Proposed Sample Locations

Bathymetry: Single beam echosounder collected October 2021 by Aqua Survey, Inc.

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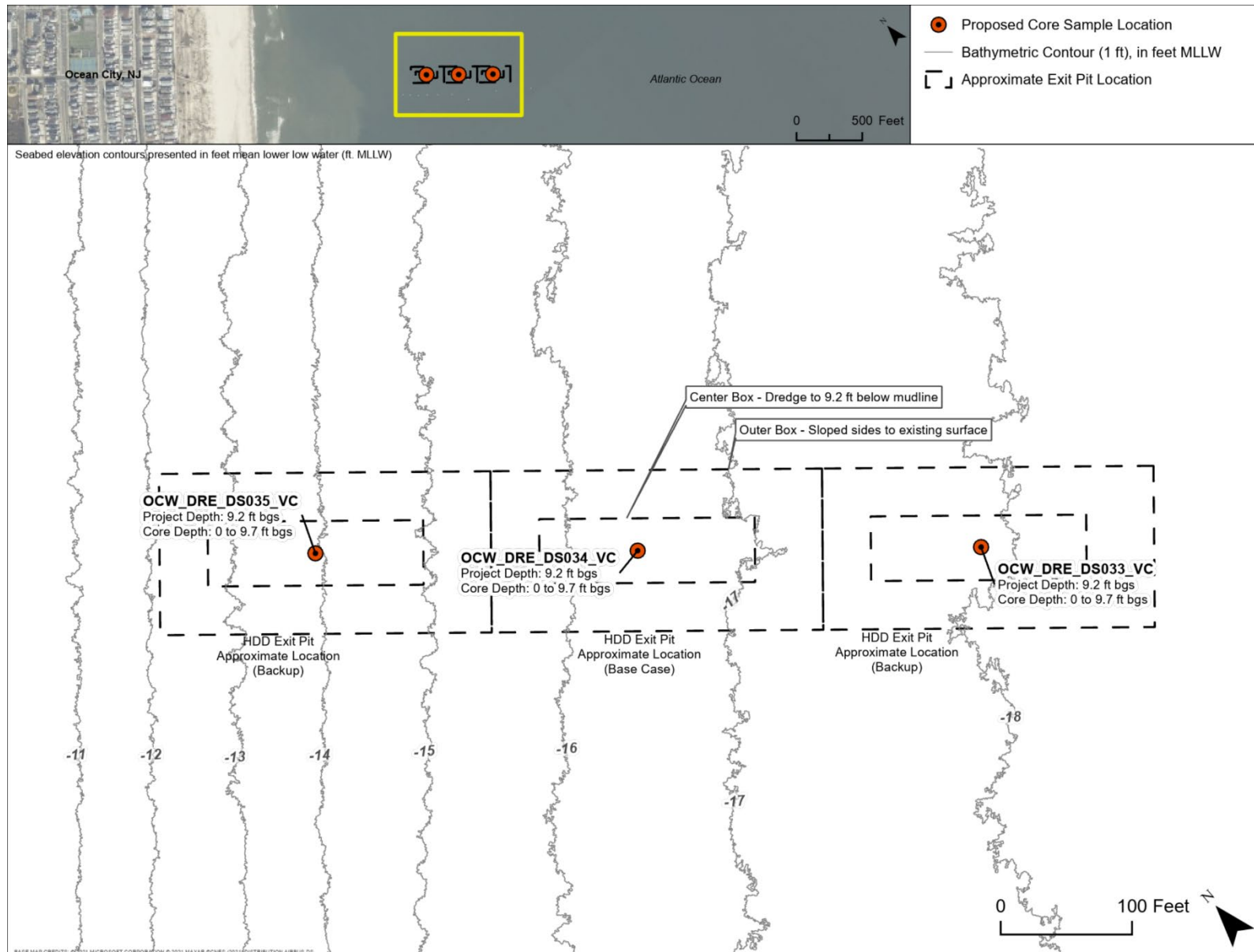
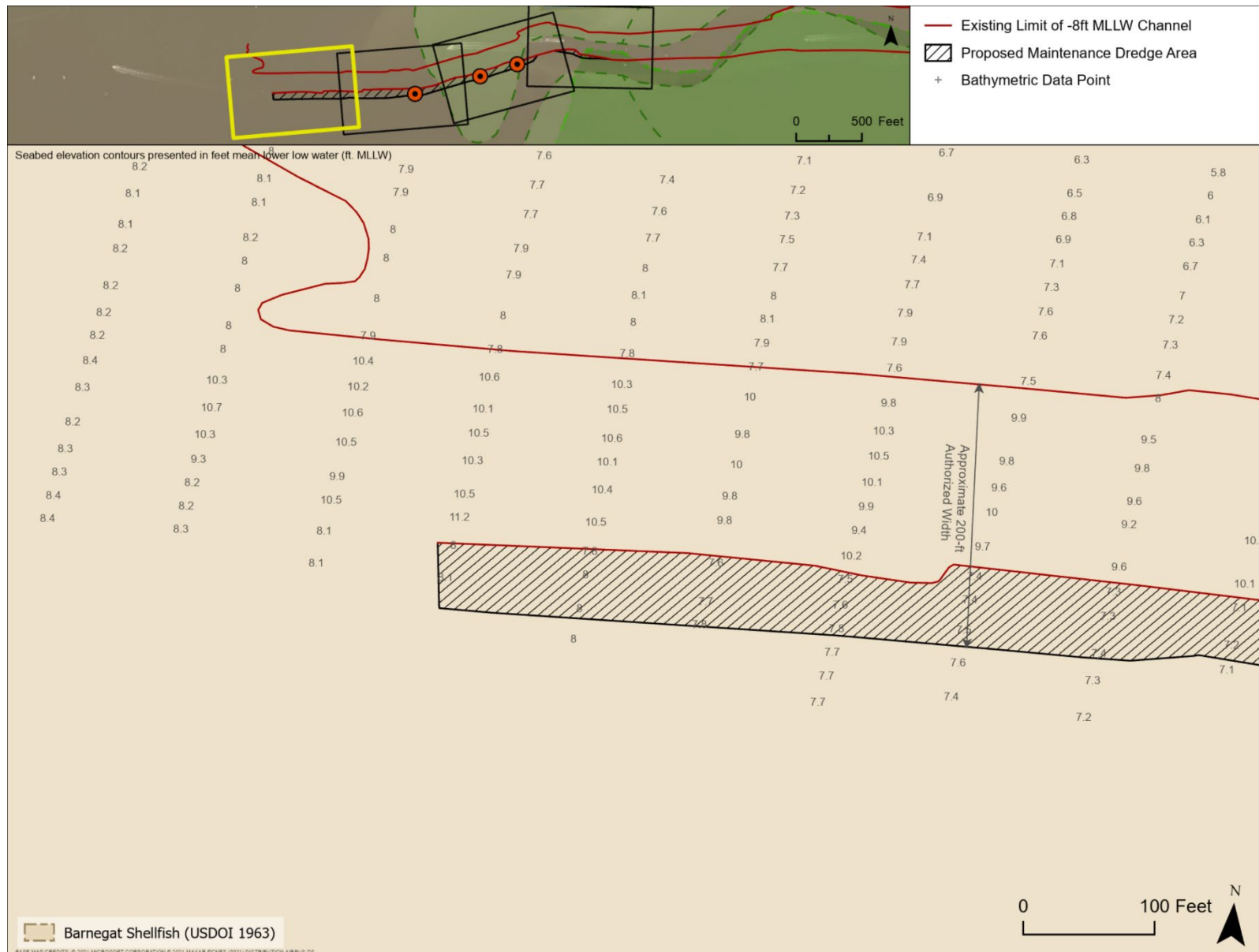


Figure 14. BL England Cable Landfall Proposed Sample Locations

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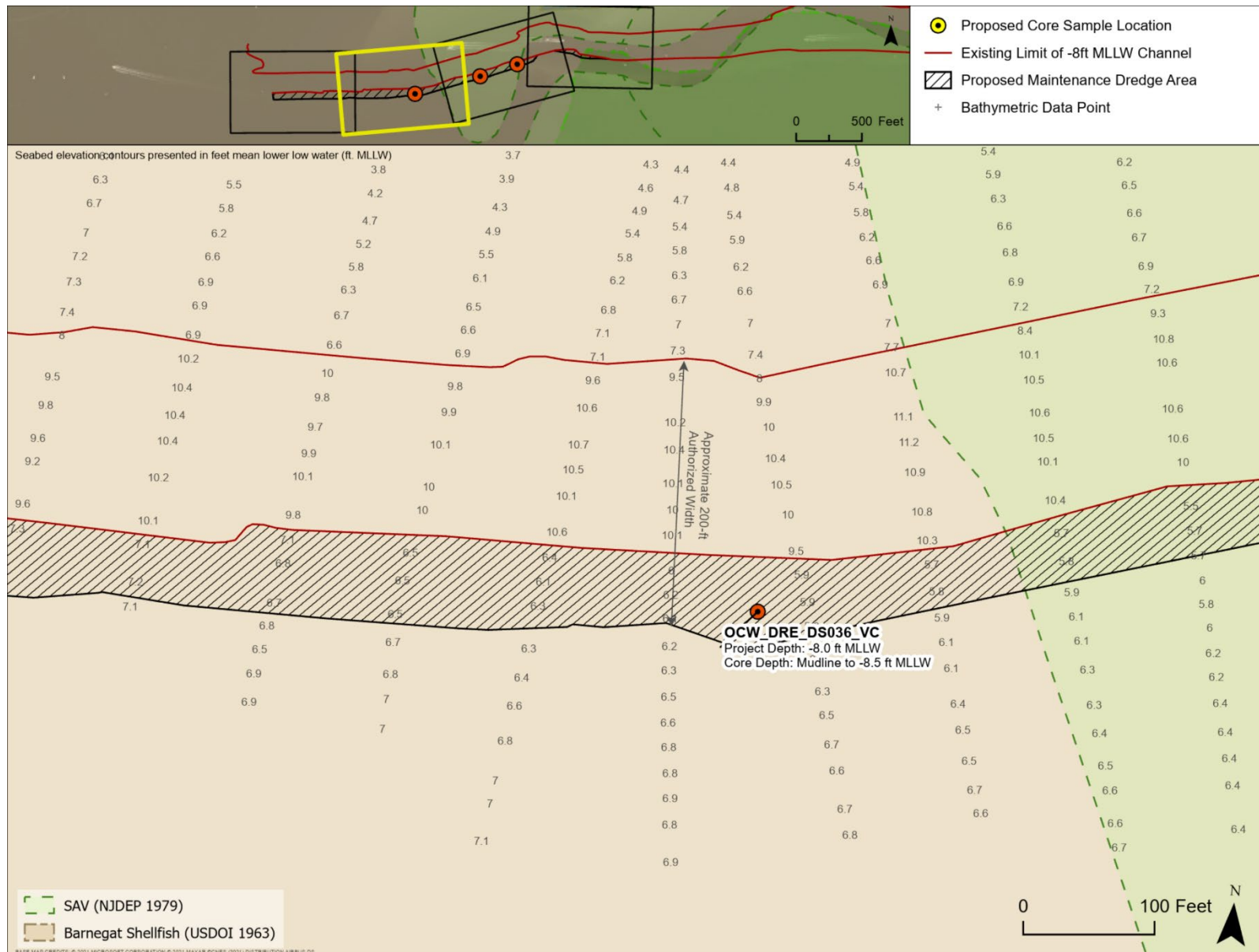


Figure 16. Oyster Creek Federal Channel Proposed Maintenance Dredging and Sampling Locations

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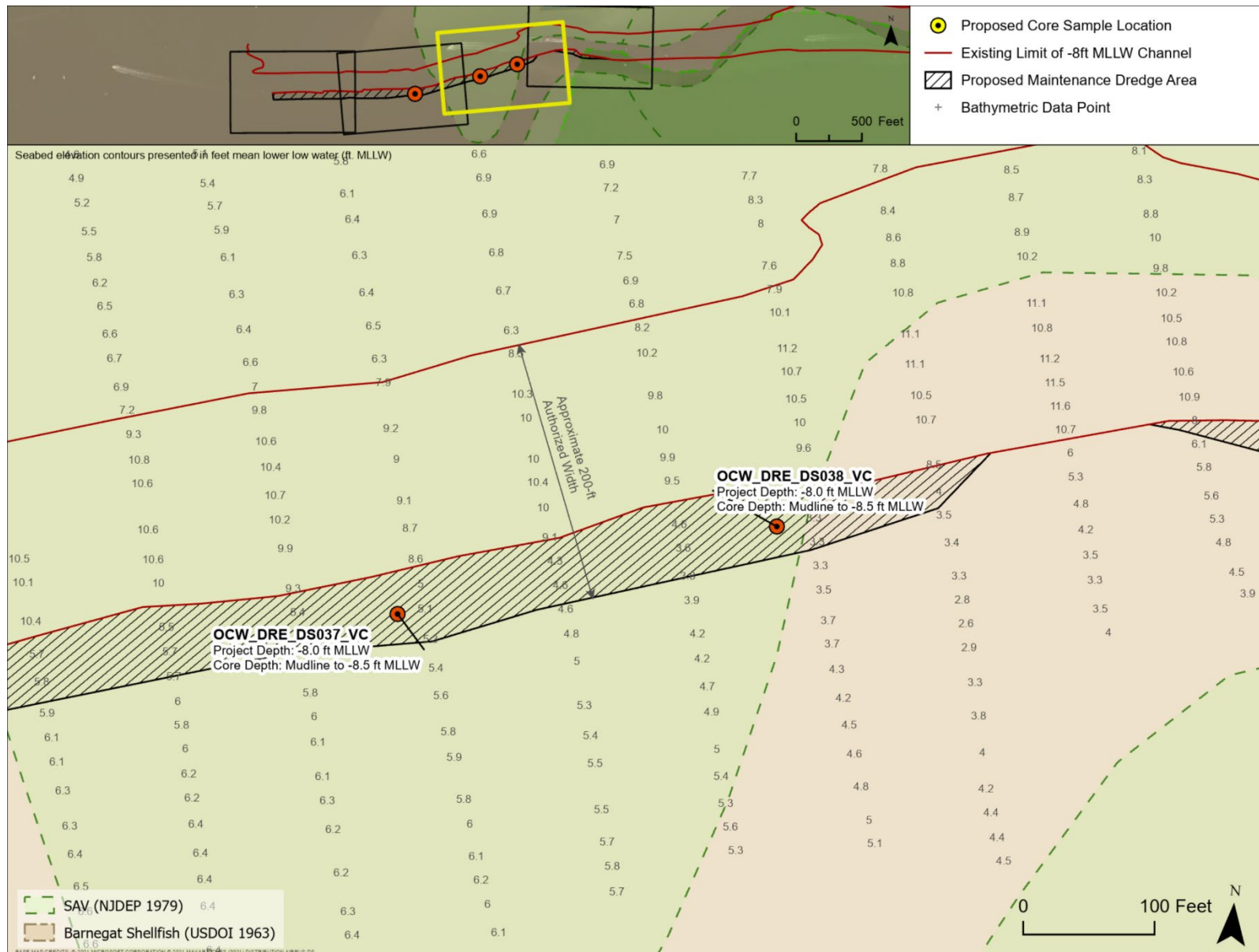


Figure 17. Oyster Creek Federal Channel Proposed Maintenance Dredging and Sampling Locations

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Figure 18. Oyster Creek Federal Channel Proposed Maintenance Dredging and Sampling Locations

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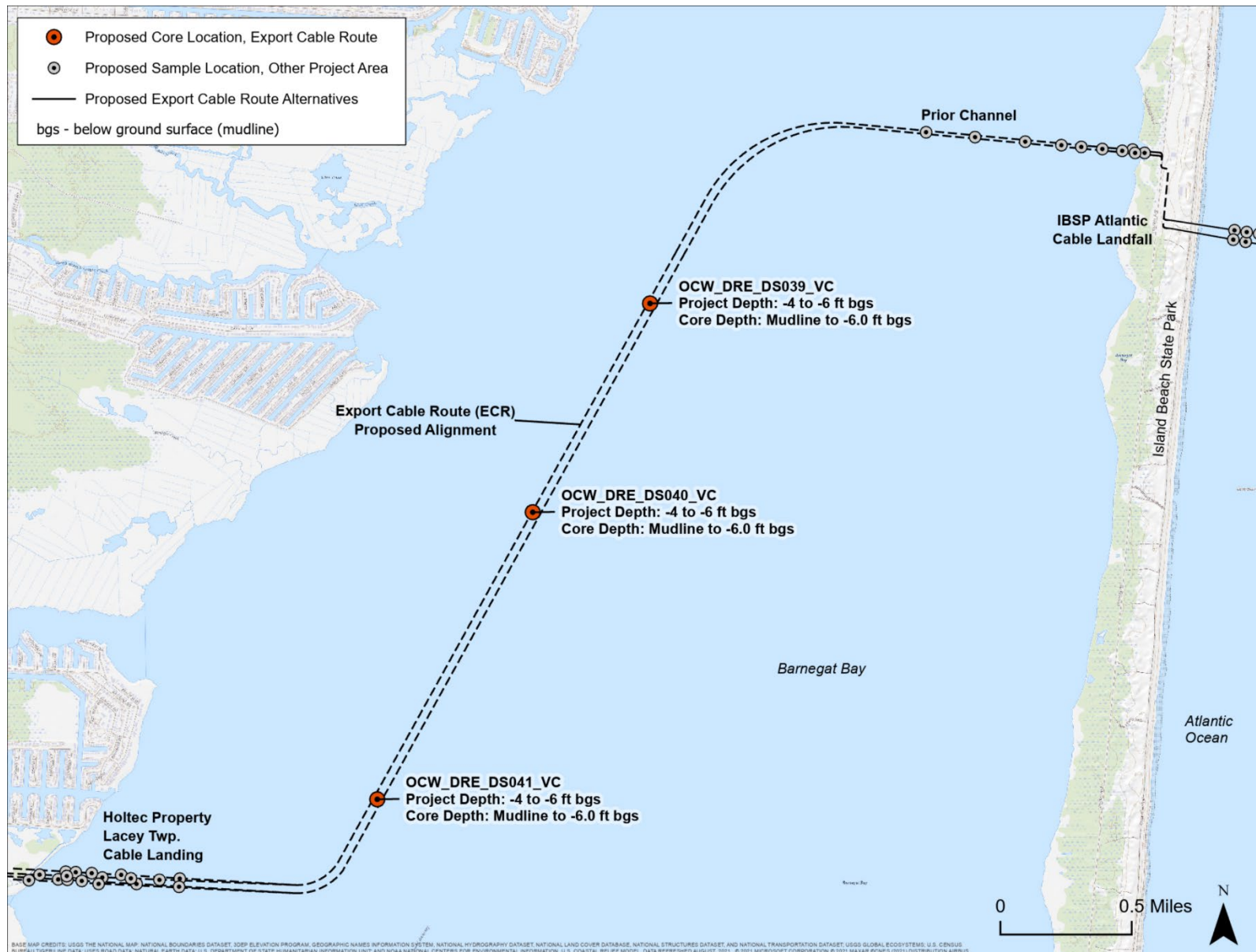


Figure 19. Barnegat Bay Export Cable Route Alignment Proposed Sample Locations

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ATTACHMENT B

NJDEP ODST SSAP Approval Letter



State of New Jersey

PHILIP D. MURPHY
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Watershed & Land Management
Mail Code 501-02A
P.O. Box 420
Trenton, New Jersey 08625-0420
www.nj.gov/dep/landuse

SHAWN M. LATOURETTE
Commissioner

SHEILA Y. OLIVER
Lt. Governor

January 24, 2022

Ocean Wind LLC
c/o Marc Reimer
399 Boylston St, 12th Floor
Boston, MA 02116

RE: Sediment Sampling and Analysis Plan
File and Activity No.: 0000-21-0008.1 DRG210001
Applicant: Ocean Wind LLC
Project: Ocean Wind Offshore Wind Farm

Dear Applicant:

This is in response to your November 22, 2021, request for a sediment sampling and analysis plan (SSAP) to characterize sediments along two routes of submarine export cables that will connect to an offshore wind farm, located approximately 15 miles off the coast of Atlantic City. The export cables are proposed to be installed via a combination of horizontal directional drilling (HDD), jetting, and dredging. This SSAP is designed to characterize sediments that will be removed along the cable route as well as suspended during the submarine cable installation.

The submarine cables will connect to the onshore electrical grid via two points of interconnection (POI). The first POI will be situated at the decommissioned Oyster Creek Nuclear Generating Station, located in Lacey Township, Ocean County. Two export cables laid in parallel will originate from the wind farm within the Atlantic Ocean and will continue northward until they make landfall at Island Beach State Park (IBSP). HDD will be utilized from the southern parking lot of IBSP Swimming Area 2 into the Atlantic Ocean to bring the cables ashore. Once ashore, the cables will head north on land until reaching the 'Prior Channel', a historic channel located off the western shore of IBSP, where the cables will enter Barnegat Bay. Dredging of the Prior Channel is required to provide adequate water depths for jetting equipment and vessels that will be used during construction. The cable route within the Prior Channel will extend 1.2 miles off the west side of IBSP before turning southwest for approximately 3 to 3.3 miles, where jetting will be used for cable installation. The route will continue westward towards a parcel designated as 'Holtec Property', located in Lacey Township, where HDD and/or dredging will be employed to facilitate cable installation. Once onshore, the cables will follow a land route until the POI at the Oyster Creek Nuclear Generating Station is reached. In addition, dredging of the Oyster Creek Federal Channel is proposed so that construction vessels will have access to Barnegat Bay. The second POI is proposed at the BL England Generating Station, located in Upper Township, Cape May County. This route will consist of a single cable originating from the wind farm that will run westward until it makes landfall via HDD at a

property designated as the 'BL England Cable Landfall, located at 35th Street in Ocean City, Cape May County. The cable route will continue on land until it reaches the second POI.

After reviewing the proposed sampling plan and core locations, the Office of Dredging and Sediment Technology (ODST) concurs that the plan put forth will adequately characterize the material that will be disturbed by the proposed sediment generating activities. The approved core locations are depicted on sheets 26 through 42 (17 sheets) included with the SSAP Package entitled: "Draft Sediment Sampling and Analysis Plan (SSAP) for Near Shore and Inshore Installation Activities," dated January 2022.

The proposed sampling plan stated that the Tier II - effluent (modified) elutriate testing will be required if hydraulic dredging is proposed. Please be aware that hydraulic dredging may require either Tier II effluent (modified) elutriate testing or Tier II – elutriate testing, depending on the dewatering method and final placement site of the dredged material. Modified elutriate would be required if dredged material is to be dewatered in a confined disposal facility (CDF). Elutriate testing would be required if material is dewatered in geotubes, or a similar structure, or a belt filter press. Please contact ODST with any questions regarding these requirements.

Additionally, please note that the Division reserves the right to require additional turbidity modeling and/or contaminated sediment transport and fate modeling depending on the results of the sediment analysis. It is recommended that sediment results be forward to ODST when they become available.

If you have any questions, please feel free to contact Katherine Todoroff by email at Katherine.Todoroff@dep.nj.gov.

Sincerely,



Digitally signed by

Gary Nickerson

Date: 2022.01.24

14:28:35 -05'00'

Gary Nickerson

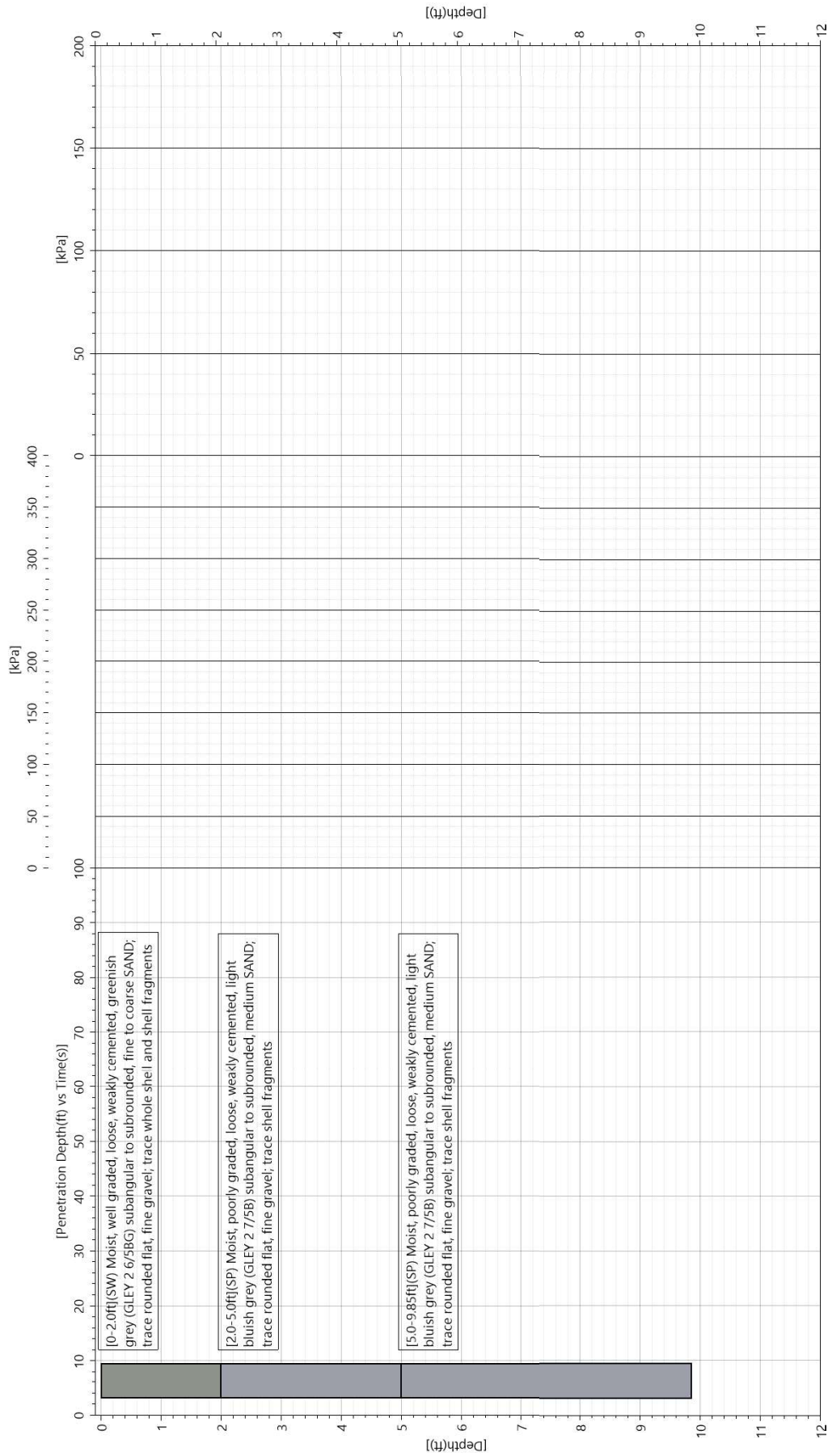
Office of Dredging and Sediment Technology
Division of Land Resource Protection

ATTACHMENT C

Sediment Vibracore Logs



Soil Profile	Description
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Tore Vane

		VIBRACORE LOG		LOCATION: DS006_VC	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Prior Channel Alternative)				DRILL DATE: 05-May-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: CM, DS, MR		LOG DATE: 06-May-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: -7.5 ft MLLW FT		PENETRATION: 7.78 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 1.8 FT		RECOVERY: 3.64 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 371,319.05 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 607,399.42 FT		46.8% recovery (best of 3 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM		Target Depth: -7.5 ft MLLW (Nav. Channel)	
NAD83 (2011) State Plane NJ (feet)					
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0		(S1) 0 - 6.2	5/6/2022 AT 13:00	(ML) 0 - 6.7 ft: 2.5Y 2.5/1 (Black), SILT and organics consisting of plant debris, non-cohesive, non-plastic, wet, very soft	Strong organic odor
1	37.7		OCW_DRE_DS0 06_VC_S1		
2	10.7	(WC1) 2.2	5/6/2022 AT 13:00 WC1		
3	10.8				
4	17.5				
5	21				
6		(S2) 6.2 - 6.7	5/6/2022 AT 1300		
7	3.3	(WC2) 6.4	OCW_DRE_DS0 06_VC_S2	(ML) 6.7 - 7.2 ft: 2.5Y 4/1 (dark gray), SILT, some fine sand, trace organics, non-cohesive, non-plastic, thinly bedded, poorly graded	
			5/6/2022 AT 1300 WC2	(SP) 7.2 - 7.8 ft: 2.5Y 5/1 (gray), fine SAND, trace silt, non-cohesive, non-plastic	
8	0.6			EOB 7.78 ft	
9					
10					
OCW_DRE_DS006_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS006_VC_S2 (Tier I, Tier II); WC - grab samples at depths shown for ASTM2216 Water Content [WC]					
Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.					

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS007_VC	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Prior Channel Alternative)				DRILL DATE: 05-May-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: CM, DS, MR		LOG DATE: 06-May-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: -7.5 ft MLLW FT		PENETRATION: 8.32 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 1.1 FT		RECOVERY: 6.47 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 371,385.77 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 607,158.00 FT		78.0% recovery (best of 3 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)		Target Depth: -7.5 ft MLLW (Nav. Channel)	

DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0		(S1) 0 - 2.7	5/6/2022 AT 14:45	(SP) 0-2.7 ft: 2.5y 5/1 (gray), fine SAND, trace silt, non-cohesive, wet, poorly graded, loose	Moderate to strong organic odor throughout the core
1			OCW_DRE_DS007_S1		
2					
3		(S2) 2.7 - 6.8	5/6/2022 AT 14:45	(ML) 2.7 - 7.0 ft: 2.5Y 3/1 (very dark gray), SILT, some fine sand interbedded with few layers of 2.5Y 5/1 (gray) of same at the bottom.	MS/MSD volume collected on S2.
			OCW_DRE_DS007_S2	Cohesive, low plasticity. Wet. Transitions to 2.5Y 5/1 at bottom of interval. Holds shape but doesn't role. Plant matter throughout interval.	
4		(WC1) 3.6	5/6/2022 AT 15:10 WC1		
5		(WC2) 4.9	5/6/2022 AT 15:10 WC2		
6					
7		(S3) 6.8 - 7.3	5/6/2022 AT 14:50	(ML) 7.70-8.30 ft: 2.5y 3.1 (very dark gray), SILT, some clay, cohesive, medium to high plasticity	
			OCW_DRE_DS007_VC_S3		
8				EOB 8.32 ft	At end of core, gray fine sand lense (1 - 2 cm). Possibly native sand layer.
9					
10					

OCW_DRE_DS007_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS007_VC_S2 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS007_VC_S3 (Tier I, Tier II); WC - grab samples at depths shown for ASTM2216 Water Content [WC]

Tier I analyses: Grain Size, TOC, Moisture Content
Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN.
Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG			LOCATION: DS008_VCa	
PROJECT NAME: Ocean Wind 1					PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Prior Channel Alternative)					DRILL DATE: 05-May-2022	
HDR PROJ. NO: 10092078-30.20			HDR PERSONNEL: CM, MR		LOG DATE: 06-May-2022	
CLIENT: Ørsted						
BORING INFORMATION					DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: -7.5 ft MLLW FT			PENETRATION: 7.28 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 2.7 FT			RECOVERY: 4 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT			NORTHING: 371,318.78 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT			EASTING: 607,201.21 FT		54.4% recovery (best of 3 attempts).	
CORR. DEPTH: N/A FT			COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)		Target Depth: -7.5 ft MLLW (Nav. Channel)	
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS	
0	23.5	(S1) 0 - 3.96	5/6/2022 AT 11:10	(ML) 0-1.5 ft: 2.5y 3/1 (very dark gray), SILT, some fine sand, poorly graded	Moderate organic odor	
1	31.9		OCW_DRE_DS008_VCa_S1			
	30.6	(WC1) 1.0	5/6/2022 AT 11:45 WC1			
2	50.6			(ML) 1.5-3.2 ft: 2.5y 2.5/1 (black), SILT, little find sand, cohesive, medium plasticity, wet		
	25.1					
3	37.3					
	7.1	(WC2) 3.0	5/6/2022 AT 11:50 WC2	(ML) 3.2-3.5 ft: 2.5y 3/1 (very dark gray), SILT, some fine sand, cohesive, wet		
4		(S2) 3.5 - 3.96	5/6/2022 AT 11:10	(SP) 3.5-3.96 ft: 2.5y 5/1 (gray), fine SAND, non-cohesive, non-plastic, poorly graded		
			OCW_DRE_DS008_VCa_S2	EOB 3.96 ft		
5				Note: Transitional contact between the "silt" and the "sand" occurs over ~1-2 inches. Not as stark of a contact when compared to other location		
6				Estimated that sand fell out of the bottom of the core and that minimal compression of the core occurred.		
				Uniform compression assumed for fine grained material adjusted depth accounts for this.		
7						
8						
9						
10						
OCW_DRE_DS008_VCa_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS008_VCa_S2 (Tier I, Tier II); WC - grab samples at depths shown for ASTM2216 Water Content [WC]						
Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.						

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS009_VCb	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Prior Channel Alternative)				DRILL DATE: 05-May-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: CM, MR		LOG DATE: 06-May-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: -7.5 ft MLLW FT		PENETRATION: 7.63 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 3.0 FT		RECOVERY: 4.59 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 371,362.38 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 606,945.38 FT		60.2% recovery (best of 3 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM		Target Depth: -7.5 ft MLLW (Nav. Channel)	
NAD83 (2011) State Plane NJ (feet)					
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0		(S1) 0 - 4.0	5/6/2022 AT 09:45	(ML) 0-5.0 ft: Gley 1 2.5/N (black), SILT, some organics, non-cohesive, non-plastic, very soft, plant matter toward the bottom of the core interval	Strong organic degradation odor
1	17.4		OCW_DRE_DS0 09_VCb_S1		
2	27.2	(WC1) 1.8	5/6/2022 AT 1020 WC1		
3	18.9				
4	11.7	(WC2) 3.7	5/6/2022 AT 10:25 WC2		
5	9	(S2) 4 - 4.5	5/6/22 AT 09:45		
6	4.4		OCW_DRE_DS0 09_VCb_S2	(SP) 5.0-7.63 ft: Gley 1 5/N (gray), fine SAND, trace silt, sharp contact with above unit, wet, loose	
7	50.3				
8	10				
9	0.1			EOB 7.63 ft	
10				Equipment blank collected prior to this sample	
OCW_DRE_DS009_VCb_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS009_VCb_S2 (Tier I, Tier II); WC - grab samples at depths shown for ASTM2216 Water Content [WC] Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.					

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS010_VCc	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Prior Channel Alternative)				DRILL DATE: 04-May-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW, CM, DS		LOG DATE: 05-May-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: -7.5 ft MLLW FT		PENETRATION: 8.32 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 6.2 FT		RECOVERY: 3.97 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 371,391.23 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 606,545.34 FT		47.7% recovery (best of 4 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)		Target Depth: -7.5 ft MLLW (Nav. Channel)	
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0	19.4	(S1) 0 - 3.75	5/5/2022 AT 1400	(ML) 0-4 ft: Gley 1 2.5N (black), organic SILT, non-cohesive, non-plastic	Sulfur-like odor
1	43.5		OCW_DRE_DS010_VCc_S1		
	67				
	10.5				
2	25.4				
	1.9				
3	6.6				
		(S2) 3.75 - 4.25	5/5/2022 AT 1405		
4			OCW_DRE_DS010_VCc_S2	(SP) 4-5 ft: Gley 1 5N (gray), fine SAND, little silt, non-cohesive, non-plastic, wet	
5				(SP) 5-8 ft: Gley 1 7N (light gray), fine SAND, trace seashells, non cohesive, low plasticity	
6					
7					
8				(ML) 8-8.32 ft: Gley 1 4N (dark gray), silty SAND, cohesive, low plasticity	
				EOB 8.32 ft	
9				Additional grab sample for ASTM 2216 (Water Content) collected from S1 interval.	
10					
OCW_DRE_DS010_VCc_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS010_VCc_S2 (Tier I, Tier II);					
Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.					

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS011_VCb	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Prior Channel Alternative)				DRILL DATE: 04-May-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW, CM, DS		LOG DATE: 05-May-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: -7.5 ft MLLW FT		PENETRATION: 8.29 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 4.5 FT		RECOVERY: 5.11 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 371,440.26 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 606,117.29 FT		61.6% recovery (best of 3 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)		Target Depth: -7.5 ft MLLW (Nav. Channel)	

DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0	0.5	(S1) 0 - 2.95	5/5/2022 AT 1510	(ML) 0-5.9 ft: Gley 1 2.5N (black), SILT, some organics, trace seashells, cohesive, non-plastic, wet	Sulfur-like odor
1	0.3		OCW_DRE_DS011_VCb_S1		
	0.7				
2	0.6				
	0.1				
3	0.7	(S2) 2.95 - 3.45	5/5/2022 AT 1515		
			OCW_DRE_DS011_VCb_S2		
4	1.4				
5	0.9				
6	0.2				
				(SP) 5.9-8.29 ft: Gley 1 5N (gray), fine SAND, some silt, non-cohesive, non-plastic	
7					
8				EOB 8.29 ft	
9					
10					

OCW_DRE_DS011_VCb_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS011_VCb_S2 (Tier I, Tier II);
Tier I analyses: Grain Size, TOC, Moisture Content
Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN.
Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG				LOCATION: DS012_VCb																																																																																																																																				
PROJECT NAME:		Ocean Wind 1				PAGE 1 OF 1																																																																																																																																				
PROJECT LOCATION:		Barnegat Bay, NJ (Prior Channel Alternative)				DRILL DATE: 26-Apr-2022																																																																																																																																				
HDR PROJ. NO:		10092078-30.20		HDR PERSONNEL: AW, MR		LOG DATE: 27-Apr-2022																																																																																																																																				
CLIENT:		Ørsted																																																																																																																																								
BORING INFORMATION					DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.																																																																																																																																					
PROJECT DEPTH:		-7.5 ft MLLW FT		PENETRATION: 5.11 FT		DRILLER NAME: M. Kennedy; I. Wachino																																																																																																																																				
WATER DEPTH:		5.1 FT		RECOVERY: 2.35 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)																																																																																																																																				
TIDE ADJUST:		N/A FT		NORTHING: 371,475.96 FT		OTHER PERSONNEL / NOTES:																																																																																																																																				
MLW/MLLW ADJ:		N/A FT		EASTING: 605,730.09 FT		46.0% recovery (best of 3 attempts).																																																																																																																																				
CORR. DEPTH:		N/A FT		COORDINATE SYSTEM		Target Depth: -7.5 ft MLLW (Nav. Channel)																																																																																																																																				
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<table><tr><th>DEPTH BELOW MUDLINE</th><th>PID (ppm)</th><th>SAMPLE INTERVAL (ft. below mudline)</th><th>SAMPLE TIME AND DATE</th><th>SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)</th><th>NOTES / REMARKS</th></tr><tr><td>0</td><td>Bkgrnd</td><td>(S1) 0 - 3.0</td><td>4/27/22 AT 1515</td><td>(SP) 0-1 ft: 2.5Y 3/1 (very dark gray), fine SAND, some silt, cohesive, low plasticity, wet, poorly graded</td><td>Odor</td></tr><tr><td></td><td>Bkgrnd</td><td></td><td>OCW_DRE_DS012_VC_S1</td><td></td><td></td></tr><tr><td>1</td><td>5.4</td><td></td><td></td><td>(ML) 1-3.5 ft: 2.5Y 2.5/1 (black), SILT, trace lignite, cohesive, low plasticity, wet, poorly graded</td><td></td></tr><tr><td></td><td>2</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td>8.3</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td>6.6</td><td>(S2) 3.0 - 3.5</td><td>4/27/22 AT 1520</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>OCW_DRE_DS012_VC_S2</td><td>(SP) 3.5 - 5.11 ft: 2.5Y 5/1 (gray), fine SAND, , cohesive, non-plastic wet, poorly graded</td><td></td></tr><tr><td>4</td><td>3.5</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td>EOB 5.11 ft</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td></tr></table>							DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS	0	Bkgrnd	(S1) 0 - 3.0	4/27/22 AT 1515	(SP) 0-1 ft: 2.5Y 3/1 (very dark gray), fine SAND, some silt, cohesive, low plasticity, wet, poorly graded	Odor		Bkgrnd		OCW_DRE_DS012_VC_S1			1	5.4			(ML) 1-3.5 ft: 2.5Y 2.5/1 (black), SILT, trace lignite, cohesive, low plasticity, wet, poorly graded			2					2	8.3											3	6.6	(S2) 3.0 - 3.5	4/27/22 AT 1520						OCW_DRE_DS012_VC_S2	(SP) 3.5 - 5.11 ft: 2.5Y 5/1 (gray), fine SAND, , cohesive, non-plastic wet, poorly graded		4	3.5											5				EOB 5.11 ft								6												7												8												9												10					
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS																																																																																																																																					
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			OCW_DRE_DS012_VC_S2	(SP) 3.5 - 5.11 ft: 2.5Y 5/1 (gray), fine SAND, , cohesive, non-plastic wet, poorly graded																																																																																																																																						
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OCW_DRE_DS012_VCb_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS012_VCb_S2 (Tier I, Tier II);																																																																																																																																										
Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.																																																																																																																																										

		VIBRACORE LOG		LOCATION: DS013_VCb	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Prior Channel Alternative)				DRILL DATE: 03-May-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW, DS		LOG DATE: 04-May-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: -7.5 ft MLLW FT		PENETRATION: 6.98 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 2.0 FT		RECOVERY: 5.89 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 371,545.92 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 604,985.61 FT		84.4% recovery (best of 3 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM		Target Depth: -7.5 ft MLLW (Nav. Channel)	
NAD83 (2011) State Plane NJ (feet)					
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0	2.5	(S1) 0.0 - 1.1	5/4/2022 at 15:15	(ML) 0-1.3 ft: Gley 1 3N (very dark gray), SILT, with little sand, cohesive, high plasticity, wet	Field duplicate collected with S1 (S1D).
1	2.6		OCW_DRE_DS013_VCb_S1		
			OCW_DRE_DS013_VCb_S1D	(ML) 1.3- 2.0 ft: Gley 1 2.5N (black), SILT, trace clay, non-cohesive, high plasticity, wet	
2	22.9			(ML) 1.7-6.98 ft: Gley 1 3N (very dark gray), clayey-SILT, trace sand, cohesive, high plasticity, wet	
	26.9	(S2) 1.1 - 1.6	5/4/2022 AT 1520		
3			OCW_DRE_DS013_VCb_S2		
	60.1				
4					
5					
6					
7				EOB 6.98 ft	
8					
9					
10					
OCW_DRE_DS013_VCb_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS013_VCb_S2 (Tier I, Tier II);					
Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.					

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS014_VCb		
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1		
PROJECT LOCATION: Barnegat Bay, NJ (Prior Channel Alternative)				DRILL DATE: 03-May-2022		
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW, DS		LOG DATE: 04-May-2022		
CLIENT: Ørsted						
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.		
PROJECT DEPTH: -7.5 ft MLLW FT		PENETRATION: 7.04 FT		DRILLER NAME: M. Kennedy; I. Wachino		
WATER DEPTH: 6.5 FT		RECOVERY: 5.89 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)		
TIDE ADJUST: N/A FT		NORTHING: 371,735.97 FT		OTHER PERSONNEL / NOTES:		
MLW/MLLW ADJ: N/A FT		EASTING: 602,995.15 FT		83.8% recovery (best of 3 attempts).		
CORR. DEPTH: N/A FT		COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)				
DEPTH BELOW MUDLINE		PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0	0	(S1) 0 - 0.72	5/4/2022 AT 1415	(SM) 0-2 ft: Gley 1 2.5N (black), silty SAND , non- cohesive, medium plasticity, wet		
1	0		OCW_DRE_DS014_VCb_S1			
	0	(S2) 0.72 - 1.22	5/4/2022 AT 1420			
2	0		OCW_DRE_DS014_VCb_S2			
	0			(SP) 2-4 ft: 10YR 5/1 (gray), fine SAND, non-cohesive, low pasticity, wet		
3	0					
	2.3					
4				(SM) 4 - 5.6 ft: Gley 1 3N (very dark gray), silty SAND, non-cohesive, low plasticity, wet		
	7.4					
5						
	4.1			(SM) 5.6-7.04 ft: Gley 1 3N (very dark gray), same as above, high plasticity, very dense		
6	12.4					
	3					
7				EOB 7.04 ft		
8						
9						
10						

OCW_DRE_DS014_VCb_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS014_VCb_S2 (Tier I, Tier II);
Tier I analyses: Grain Size, TOC, Moisture Content
Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN.
Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS015_VCb	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Holtec Cable Landing)				DRILL DATE: 03-May-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW, DS		LOG DATE: 04-May-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: 7.4 FT		PENETRATION: 7.02 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 2.0 FT		RECOVERY: 4.88 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 371,635.33 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 603,984.97 FT		69.5% recovery (best of 3 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)		Target Depth: 7.4 ft below mudline (Cable Burial)	

DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0	1.3	(S1) 0 - 1.25	5/4/2022 AT 15:55	(ML) 0-1.6 ft: Gley 1 3N (very dark gray), SILT, trace sand, cohesive, high plasticity, wet	
1	15.3		OCW_DRE_DS015_VCb_S1		
	18.8				
2				(ML) 1.6-2.5 ft: Gley 1 2.5N (black), SILT, trace clay, trace organics, non-cohesive, high plasticity, wet	
	25.1	(S2) 1.1 - 1.6	5/4/2022 AT 15:20		
3	38.7		OCW_DRE_DS015_VCb_S2	(ML) 2.5-4.6 ft: 10YR 4/1 (dark gray), silty SAND, cohesive, low plasticity, wet	
4	11.1				
	58.8				
5				(SP) 4.6-7.02 ft: 5Y 6/1 (gray), brownish gray, SAND, non-cohesive, low plasticity, wet, poorly graded	
	44.4				
6					
	51.9				
7				EOB 7.02 ft	
8					
9					
10					

OCW_DRE_DS015_VCb_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS015_VCb_S2 (Tier I, Tier II);
Tier I analyses: Grain Size, TOC, Moisture Content
Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN.
Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG			LOCATION: DS016_VCb	
PROJECT NAME: Ocean Wind 1					PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Holtec Cable Landing)					DRILL DATE: 25-Apr-2022	
HDR PROJ. NO: 10092078-30.20			HDR PERSONNEL: AW, DS, MR		LOG DATE: 26-Apr-2022	
CLIENT: Ørsted						
BORING INFORMATION					DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: 7.4 FT			PENETRATION: 7.72 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 8.6 FT			RECOVERY: 7.01 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT			NORTHING: 356,731.05 FT		OTHER PERSONNEL / NOTES: 90.8% recovery (best of 3 attempts). Target Depth: 7.4 ft below mudline (Cable Burial)	
MLW/MLLW ADJ: N/A FT			EASTING: 587,996.63 FT			
CORR. DEPTH: N/A FT			COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)			
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)		NOTES / REMARKS
0	NR	(S1) 0 - 4.0	4/26/22 AT 10:00	(ML) 0-2 ft: 2.5YR 3/1 (dark reddish gray), SILT, trace sand, cohesive, low to no plasticity, wet, poorly graded		PID Readings not recorded (NR)
1			OCW_DRE_DS016_VC_S1			
2				(ML) 2-4 ft: 2.5 YR 3/1 (dark reddish gray), silty SAND, little fine rounded gravels, cohesive, low plasticity, wet, poorly graded		
3						
4		(S2) 4.0 - 7.4	4/26/2022 AT 1025	(SP) 4-6.1 ft: 10YR 4/2 (dark grayish brown), SAND, trace silt, fine rounded gravels, cohesive, low plasticity, poorly graded		
5			OCW_DRE_DS016_VC_S3			
6				(SP) 6.1-7.4 ft: Gley 1 5N (gray), same as above		
7		(S3) 7.4 - 7.7	4/26/22 AT 1005	(CH) 7.4-7.72 ft: Gley 1 5N (gray), same as above, clayey SILT, trace lignite, fine rounded gravels, cohesive, high plasticity		
8			OCW_DRE_DS016_VC_S2	EOB 7.72 ft		
9						
10						
OCW_DRE_DS016_VCb_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS016_VCb_S2 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS016_VCb_S3 (Tier I, Tier II); Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.						

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS017_VCa	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Holtec Cable Landing)				DRILL DATE: 23-Apr-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW, DS, MR		LOG DATE: 25-Apr-2022	
CLIENT: Ørsted					
BORING INFORMATION			DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.		
PROJECT DEPTH: 7.4 FT		PENETRATION: 8.4 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 8.0 FT		RECOVERY: 7.42 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 356,558.22 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 587,981.81 FT		88.3% recovery (best of 2 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)		Target Depth: 7.4 ft below mudline (Cable Burial)	
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0		(S1) 0 - 7.4	4/25/22 AT 1415	(ML) 0 - 8.40 ft: 7.5YR 3/1 (very dark gray), silty CLAY, little lignite, cohesive, high plasticity, wet, poorly graded, very dense	Sulfur like odor
1	6.4		OCW_DRE_DS017_VC_S1		
	1.7				
2	2.2				
3	8.2				
4	9.2				
5	15.4				
6	21.6				
7	7.3				
8	15.6	(S2) 7.4 - 7.9	4/25/22 AT 1430		
			OCE_DRE_DS017_VC_S2		
9				EOB 8.40 ft	
10					
OCW_DRE_DS017_VCa_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS017_VCa_S2 (Tier I, Tier II);					
Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.					

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS019_VC	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Holtec Cable Landing)				DRILL DATE: 24-Apr-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW, DS, MR		LOG DATE: 25-Apr-2022	
CLIENT: Ørsted					
BORING INFORMATION PROJECT DEPTH: 7.4 FT PENETRATION: 8.61 FT WATER DEPTH: 6.6 FT RECOVERY: 7.15 FT TIDE ADJUST: N/A FT NORTHING: 356,609.95 FT MLW/MLLW ADJ: N/A FT EASTING: 587,133.39 FT CORR. DEPTH: N/A FT COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc. DRILLER NAME: M. Kennedy; I. Wachino DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner) OTHER PERSONNEL / NOTES: 83.0% recovery. Target Depth: 7.4 ft below mudline (Cable Burial)	
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0	0.6	(S1) 0 - 7.4	04/25/2022 AT 1500	(ML) 0 - 8.61 ft: 7.5YR 3/1 (very dary gray), silty CLAY, little lignite, cohesive, high plasticity, wet, poorly graded, very dense	Sulfur-like odor
1	1.4		OCW_DRE_DS019_VC_S1		
	4.8				
2	2.6				
	4.5				
3	11.4				
	9.2				
4	7.3				
	7.7				
5	3.8				
6	1.7				
7	20				
		(S2) 7.4 - 7.9	4/25/2022 AT 1515		
8			OCW_DRE_DS019_VC_S2		
				EOB 8.61 ft	
9					
10					

OCW_DRE_DS019_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS019_VC_S2 (Tier I, Tier II);
Tier I analyses: Grain Size, TOC, Moisture Content
Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN.
Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS021_VC	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Holtec Cable Landing)				DRILL DATE: 25-Apr-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW, DS, MR		LOG DATE: 26-Apr-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: 7.4 FT		PENETRATION: 8.55 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 6.8 FT		RECOVERY: 7.73 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 356,796.05 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 586,812.04 FT		90.4% recovery.	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM		Target Depth: 7.4 ft below mudline (Cable Burial)	
NAD83 (2011) State Plane NJ (feet)					
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0	0.6	(S1) 0 - 7.4	4/26/2022 AT 1120	(CL) 0-3 ft: 10YR 3/1 (very dark gray), clayey SILT, cohesive, medium plasticity, wet	
1	0.7		OCW_DRE_DS0 21_VC_S1		
	1.7				
	1.9				
2					
	5.5				
3	16			(CL) 3-4.5 ft: 7.5 YR 3/2 (dark brown), clayey SILT with some lignite, cohesive, medium plasticity, wet	
	30.7				
4	6.8				
	11			(CL) 4.5 - 8.55 ft: 10YR 3/1 (very dark gray), same as above.	
5	1.8				
6	1.1				
	4.9				
7	3.7				
	1.3	(S2) 7.4 - 7.9	4/26/22 AT 1125		
8			OCW_DRE_DS0 21-VC-S2		
				EOB 8.55 ft	
9					
10					
OCW_DRE_DS021_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS021_VC_S2 (Tier I, Tier II); Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.					

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG			LOCATION: DS024_VC	
PROJECT NAME: Ocean Wind 1					PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Holtec Cable Landing)					DRILL DATE: 24-Apr-2022	
HDR PROJ. NO: 10092078-30.20			HDR PERSONNEL: AW, DS, MR		LOG DATE: 25-Apr-2022	
CLIENT: Ørsted						
BORING INFORMATION					DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: 7.4 FT			PENETRATION: 8.06 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 5.8 FT			RECOVERY: 7.15 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT			NORTHING: 356,833.41 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT			EASTING: 586,227.87 FT		86.8% recovery.	
CORR. DEPTH: N/A FT			COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)		Target Depth: 7.4 ft below mudline (Cable Burial)	
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS	
0	Bkgd	(S1) 0 - 7.4	4/25/2022 AT 1530	(ML) 1-1.1 ft: Gley 1 3N (very dark gray), silty CLAY, cohesive, high plasticity, wet		
			OCW_DRE_DS0 24_VC_S1			
1	1.6			(ML) 1.1-7.3 ft: 7.5YR 3/1 (very dark gray), silty CLAY, some lignite, cohesive, medium to high plasticity, wet		
	6.7					
2	2.7					
	2.7					
3	5.4					
	5.6					
4	6.7					
	7.8					
5	8.2					
	2.3					
6	15.1					
7	27.9	(S2) 7.4 - 7.9	4/25/2022 AT 1540	(SP) 7.3-8.06 ft: 7.5YR 3/1 (very dark gray), fine SAND, cohesive, low plasticity, wet, poorly graded		
			OCW_DRE_DS0 24_VC_S2			
8				EOB 8.06 ft		
9						
10						
OCW_DRE_DS024_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS024_VC_S2 (Tier I, Tier II); Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.						

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS025_VC	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Holtec Cable Landing)				DRILL DATE: 25-Apr-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW, DS, MR		LOG DATE: 26-Apr-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: 7.4 FT		PENETRATION: 8.31 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 6.0 FT		RECOVERY: 6.94 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 356,669.18 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 586,030.45 FT		83.5% recovery.	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)		Target Depth: 7.4 ft below mudline (Cable Burial)	

DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0	NR	(S1) 0 - 7.4	4/26/2022 AT 1310	(ML) 0-1 ft: 2.5Y 3/1 (very dark gray), clayey SILT, organics consisting of seaweed and shells, cohesive, high plasticity, wet, poorly graded	PID Readings not recorded (NR)
1			OCW_DRE_DS0 25_VC_S1	(ML) 1-3 ft: 2.5Y 3/1 (very dark gray), same as above, cohesive, high plasticity, wet, poorly graded	
2					
3				(ML) 3-8.31ft: 2.5Y 3/1 (very dark gray), clayey SILT, little lignite, cohesive, high plasticity, wet, poorly graded	
4					
5					
6					
7		(S2) 7.4 - 7.9	4/26/2022 AT 1315		
8			OCW_DRE_DS0 25_VC_S2	EOB 8.31 ft	
9					
10					

OCW_DRE_DS025_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS025_VC_S2 (Tier I, Tier II);
Tier I analyses: Grain Size, TOC, Moisture Content
Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN.
Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG			LOCATION: DS026_VC	
PROJECT NAME: Ocean Wind 1					PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Holtec Cable Landing)					DRILL DATE: 27-Apr-2022	
HDR PROJ. NO: 10092078-30.20			HDR PERSONNEL: AW, MR		LOG DATE: 27-Apr-2022	
CLIENT: Ørsted						
BORING INFORMATION					DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: 9.7 FT		PENETRATION: 9.88 FT		DRILLER NAME: M. Kennedy; I. Wachino		
WATER DEPTH: 6.0 FT		RECOVERY: 8.96 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)		
TIDE ADJUST: N/A FT		NORTHING: 356857.57 FT		OTHER PERSONNEL / NOTES:		
MLW/MLLW ADJ: N/A FT		EASTING: 585909.09 FT		90.7% recovery.		
CORR. DEPTH: N/A FT		COORDINATE SYSTEM		Target Depth: 9.7 ft below mudline (HDD Pit)		
NAD83 (2011) State Plane NJ (feet)						
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS	
0	32	(S1) 0 - 9.7	4/27/22 AT 1445	(ML) 0-1.6 ft: 2.5Y 2.5/1 (black), SILT, cohesive, low plasticity, wet, very dense		
			OCW_DRE_DS0 26_S1			
1	36.3					
				(ML) 1.6-3.2 ft: 2.5Y 4/1 (dark gray), SILT, some lignite, cohesive, low plasticity, wet, very dense		
2	61.8					
	83.2					
3	181.3			(ML) 3.2-5 ft: 2.5Y 2.5/1 (black), SILT, some lignite, cohesive, low plasticity, wet, very dense		
4	103.5					
	153.7					
5	73.5			(ML) 5-7.2 ft: 2.5Y 4/1 (dark gray), SILT, some lignite, cohesive, low plasticity, wet, very dense		
	55.6					
6	20.6					
7	12.1			(ML) 7.2-8.7 ft: 2.5Y 4/2 (dark grayish brown), transition silt to clay to sand, cohesive, low plasticity, wet, very dense		
8	4					
				(SP) 8.7-9.88 ft: 2.5Y 6/1 (gray), fine SAND, trace fine gravel, cohesive, non-plastic, poorly graded, dense		
9	0.5		4/27/2022 AT 1450			
		(S2) 9.7 - 9.88	OCW_DRE_DS0 26_VC_S2			
10				EOB 9.88 ft		
OCW_DRE_DS026_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS026_VC_S2 (Tier I, Tier II); Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.						

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS027_VC	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Holtec Cable Landing)				DRILL DATE: 30-Apr-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW, MR		LOG DATE: 02-May-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: 9.7 FT		PENETRATION: 10 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 5.3 FT		RECOVERY: 8.66 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 356884.23 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 585714.57 FT		86.6% recovery.	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)		Target Depth: 9.7 ft below mudline (HDD Pit)	
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0	3.5	(S1) 0 - 9.7	5/7/2022 AT 07:05/8:00	(ML) 0-7 ft: SILT, some lignite, organics, cohesive, low plasticity, wet, poorly graded	Field duplicate collected at S1 (S1D)
1	67.3		OCW_DRE_DS0 27_VC_S1	0-1.75 ft: 2.5 Y 2.5/1 (black). 1.75-3.5 ft: 2.5Y 4/1 (dark gray).	
			OCW_DRE_DS0 27_VC_S1D	3.5-7 ft: 2.5Y 3/2 (very dark grayish brown).	
2	20.9				
3	7.4				
4	11.1				
5	18				
6	12.7				
7	1.2				
				(CL) 7-8.4 ft: 2.5Y 3/2 (very dark grayish brown), clayey SILT, cohesive, low to medium plasticity, wet, poorly graded	
8	1				
9	b			(SP) 8.4-10.0 ft: 2.5Y 3/2 (very dark grayish brown), SAND, some fine rounded gravel, cohesive, wet, poorly graded	
			5/2/2022 AT 0720		
10		(S2) 9.7 - 10	OCW_DRE_DS0 27_VC_S2		
				EOB 10 ft	
OCW_DRE_DS027_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS027_VC_S2 (Tier I, Tier II); Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.					

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS029_VC	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Holtec Cable Landing)				DRILL DATE: 29-Apr-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW		LOG DATE: 29-Apr-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: 9.7 FT		PENETRATION: 9.06 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 5.3 FT		RECOVERY: 8.05 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 356697.19 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 585739.52 FT		88.8% recovery (best of 2 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM		Target Depth: 9.7 ft below mudline (HDD Pit)	
NAD83 (2011) State Plane NJ (feet)					
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0		(S1) 0 - 7.5	4/29/2022 AT 1515	(ML) 0 - 1.25 ft: 7.5YR 4/1 (dark gray), SILT, trace sand and fine gravel, cohesive, medium plasticity, wet	
1	4.5		OCW_DRE_DS0 29_VC_S1		
				(ML) 1.25-4.2 ft: 2.5Y 4/1 (dark gray), clayey-SILT, lignite, organics, cohesive, high plasticity, wet	
	77.9				
2					
	40				
3					
	8.6				
4				(ML) 4.2-7.5 ft: 2.5Y 4/2 (dark grayish brown), same as above	
	3.2				
5					
	31.8				
6					
	5.7				
7					
	27	(S2) 7.5 - 9.06	4/29/2022 AT 1540	(SP) 7.5-9.06 ft: 7.5YR 5/1 (gray), fine SAND with trace coarse sand, fine rounded gravel, non-cohesive, wet, poorly graded	
8			OCW_DRE_DS0 29_VC_S2		
	1.4				
9				EOB 9.06 ft	
10					
OCW_DRE_DS029_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS029_VC_S2 (Tier I, Tier II); Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.					

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS030_VCc	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Holtec Cable Landing)				DRILL DATE: 06-May-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: CM, MR		LOG DATE: 09-May-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: 9.7 FT		PENETRATION: 10.06 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 3.1 FT		RECOVERY: 8.46 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 356,692.85 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 585,553.49 FT		84.1% recovery (best of 4 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM		Re-located due to seabed slopes. Target Depth: 9.7 ft below mudline (HDD Pit)	
NAD83 (2011) State Plane NJ (feet)					
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0		(S1) 0 - 1.9	5/9/2022 AT 11:50	(SP) 0-1.66 ft: 2.5Y 3/1 (very dark gray), fine SAND, trace silt, trace medium sand, trace shell fragments, non-cohesive, wet, poorly graded	Strong organic degradation odor through the core
1	2.5		OCW_DRE_DS0 30_S1		
	5.9				
2	12.9			(SP) 1.66-1.90 ft: 2.5Y 3/1 (very dark gray), fine SAND, some silt, trace fine rounded gravel, trace medium sand, non-cohesive	
	15.7	(S2) 1.9 - 9.7	5/9/2022 AT 11:55/12:00	(MH) 1.9-10.06 ft: 2.5Y 3/1 (very dark gray), SILT, some clay, some organic plant matter, cohesive, medium to high plasticity, wet	Field duplicate collected at S2 (S2D)
3	86.9		OCW_DRE_DS0 30_S2		
			OCW_DRE_DS0 30_S2D		
4	40.2				
	13				
5	50				
	62				
6	70				
7	48				
	34				
8	14				
	22				
9	16.9				
	10.1		5/9/2022 AT 12:20		
10	7.5	(S3) 9.7 - 10.06	OCW_DRE_DS0 30_S3	EOB 10.06 ft	
OCW_DRE_DS030_VCc_S1 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS030_VCc_S2 (Tier I, Tier II, Dioxins/Furans, VOCs); OCW_DRE_DS030_VCc_S3 (Tier I, Tier II); Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.					

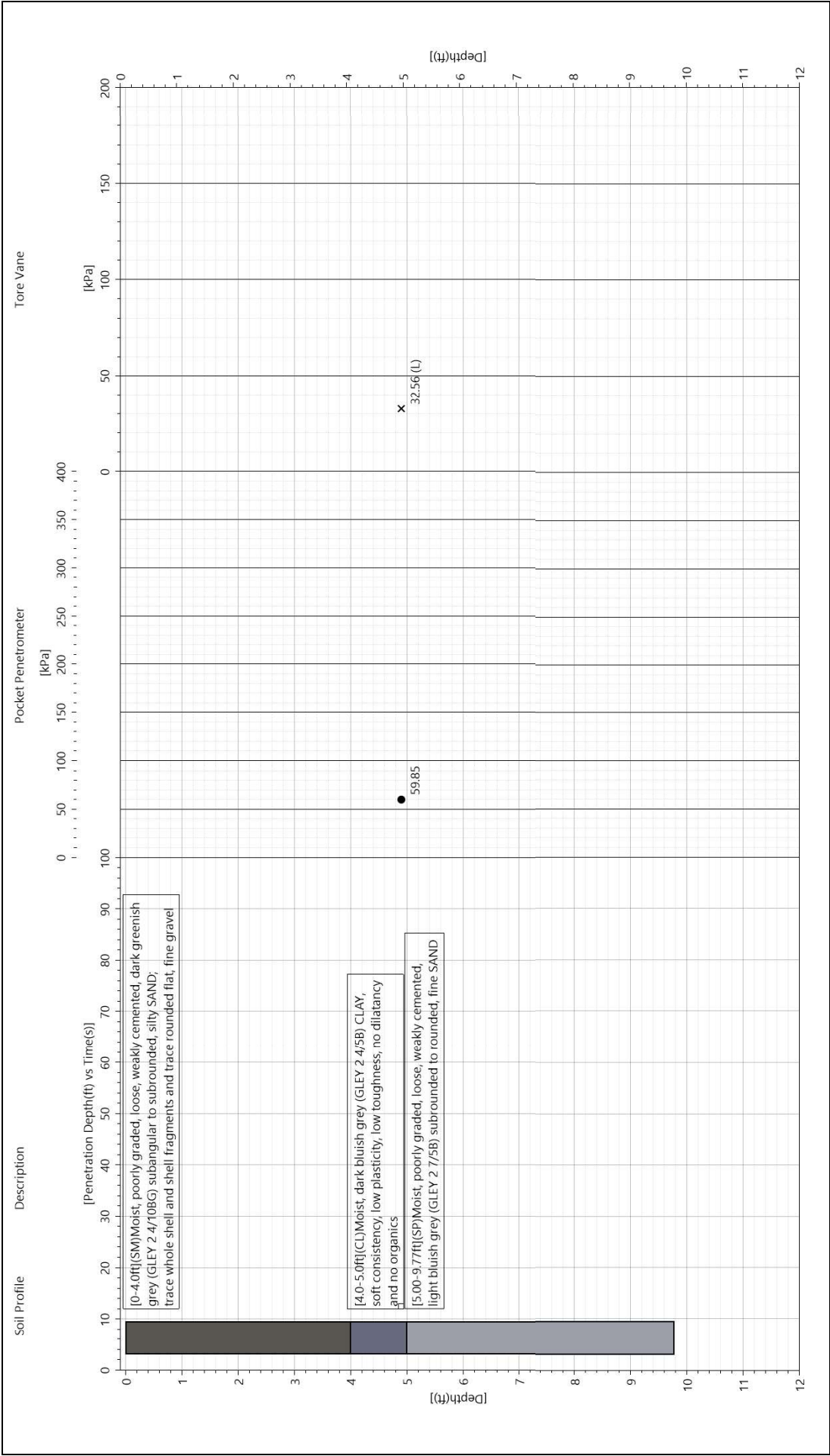
* Uniform compression of sediment assumed for logging purposes.



Core OCW_DRE_DS033_VC



Easting(ft) [Target]	Northing(ft) [Target]	Easting(m) [Target]	Northing(m) [Target]	Latitude [Target]	Longitude [Target]
462587.11 [462586.01]	149833.50[149836.98]	534145.94 [534145.60]	4344006.72 [4344007.78]	39.24471238 [39.24472199]	74.60430765 [74.60431158]
Date Time UTC	Water Depth(ft)	Water Depth(m)	Penetration(ft)	Elapsed Time(mm:ss)	Recovery(ft)
30 March 2022 13:47	18.85	5.75	10.11	02:09	9.77 (96.6%)



		VIBRACORE LOG		LOCATION: DS036_VC	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Oyster Creek Federal Channel)				DRILL DATE: 06-May-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: CM, MR		LOG DATE: 09-May-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: -10 ft MLLW FT		PENETRATION: 7.15 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 6.1 FT		RECOVERY: 5.73 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 348,841.55 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 588,152.01 FT		80.1% recovery (best of 2 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM		Target Depth: -10 ft MLLW (Nav. Channel)	
		NAD83 (2011) State Plane NJ (feet)			
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0		(S1) 0 - 3.2	5/9/2022 AT 13:10	(ML) 0-7.15 ft: 2.5Y 2.5/1 (black), SILT, fine sand, trace shell fragments, non-cohesive, non-plastic, wet,	Mild organic odor
1	0.6		OCW_DRE_DS0 36_VCa_S1	transition to color of 2.5Y 3/1 (very dark gray), but same material	
	ND				
2	0.5				
	0.1				Pocket pen 0.5 tsf on split core
3	2.2				
	1.9				
4	0.5				
	0.4				
5	2.1			Transition to almost entirely silt toward bottom of core, little clay, increasing cohesivity towards bottom of core, low plasticity	
	1.9				
6	0.9				
7				EOB 7.15 ft	
8					
9					
10					
OCW_DRE_DS036_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs);				Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.	

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS037_VC	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Oyster Creek Federal Channel)				DRILL DATE: 06-May-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: CM, MR		LOG DATE: 09-May-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: -10 ft MLLW FT		PENETRATION: 7.54 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 5.2 FT		RECOVERY: 5.17 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 348,986.46 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 588,646.78 FT		69.5% recovery (best of 2 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM		Target Depth: -10 ft MLLW (Nav. Channel)	
NAD83 (2011) State Plane NJ (feet)					
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0		(S1) 0 - 3.3	5/9/2022 AT 14:10	(CL) 0-7.54 ft: 2.5Y 3/1 (very dark gray), 2.5/1 (black) mottled first 2.6 ft (adjusted), SILT, little fine sand, trace seashells, non-cohesive, non-plastic,	No odors
1	ND		OCW_DRE_DS037_VC_S1	transitions into 2.5y 3/1 (very dark gray), increasing amount of seashell fragments as core depth increases	
	0.2				
2	0.9				
	1				
3	0.8				
	ND				
4	ND				
5	ND				
6	0.3				
7	0.1				
				EOB 7.54 ft	
8					
9					
10					
OCW_DRE_DS037_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs);				Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.	

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS038_VCb	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Oyster Creek Federal Channel)				DRILL DATE: 06-May-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: CM, MR		LOG DATE: 09-May-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: -10 ft MLLW FT		PENETRATION: 8.45 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 2.8 FT		RECOVERY: 5.81 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 349,073.90 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 588,936.85 FT		68.8% recovery (best of 5 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)		Target Depth: -10 ft MLLW (Nav. Channel)	

DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0		(S1) 0 - 4.63	5/9/2022 AT 15:05	(SP) 0 - 1.9 ft: 2.5Y 5/1 (gray) fine SAND, some silt, non-cohesive, non-plastic, wet, poorly graded	No observable odor
1	8.4		OCW_DRE_DS038_VCb_S1		
	21				
2	23			(SM) 1.9- 4.6 ft: transition to 2.5Y 4/1 (dark gray), fine sandy SILT, trace seashell fragments, wet	
	18.9				
3					
	5.6				
4	27.1				
				(ML) 4.6-8.45 ft: transition to SILT, little to trace fine sand, trace seashell fragments, non-cohesive, non-plastic, wet	
5					
	2.7				
6					
	6.5				
7	9.9				
	0.4				
8					
				EOB 8.45'	
9					
10					

OCW_DRE_DS038_VCb_S1 (Tier I, Tier II, Dioxins/Furans, VOCs);

Tier I analyses: Grain Size, TOC, Moisture Content
 Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN.
 Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS039_VC	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Barnegat Bay Cable Route)				DRILL DATE: 15-Apr-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: CM		LOG DATE: 16-Apr-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: 6.0 FT		PENETRATION: 6 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 9.9 FT		RECOVERY: 4.43 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 368,291.49 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 597,454.79 FT		72.6% recovery (best of 3 attempts).	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM		Target Depth: 6 ft below mudline (Cable Burial)	
NAD83 (2011) State Plane NJ (feet)					
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0	0.1	(S1) 0 - 6.0	4/16/2022 AT 14:20	(ML) 0-5.7 ft: 5Y 2.5/1 (black), SILT, some clay, cohesive, uniform, increasing stiffness with depth but remains soft	Sulfurous odor
1	0.4		OCW_DRE_DS039_S1		Pocket pen 0 tsf on split core.
	1.2				
2	2				
	4.5				
3	6.3				
	5.1				
4	4.3				
	5.2				
5	6				
	5				
6	0			(SM) 5.7-6.0 ft: 7.5YR 3/1 (very dark gray), silty fine SAND, wet	Sulfurous odor
				EOB 6.0 ft	
7					
8					
9					
10					
OCW_DRE_DS039_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs);				Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.	

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS040_VC	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Barnegat Bay Cable Route)				DRILL DATE: 21-Apr-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW, DS, MR		LOG DATE: 25-Apr-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: 6.0 FT		PENETRATION: 5.98 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 9.6 FT		RECOVERY: 5.28 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 364,087.24 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 595,092.65 FT		88.3% recovery.	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM NAD83 (2011) State Plane NJ (feet)		Target Depth: 6 ft below mudline (Cable Burial)	
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0	Bkgrnd	(S1) 0 - 5.98	4/25/2022 AT 1245	(SM) 0-4.5 ft: Gley 1 3N (very dark gray), fine SAND, some silt, cohesive, medium plasticity, wet, very dense	Sulfur-like odor
1	Bkgrnd		OCW_DRE_DS040_VC_S1		
	0.7				
	0.9				
2	1.7				
	3.4				
3	3.2				
	5.7				
4					
	70.7			(CH) 4.5-5.98 ft: 7.5YR 2.5/2 (very dark brown), silty CLAY, some lignite, organics composed of seaweed, trace sand, cohesive, medium to high plasticity, wet, very dense	
5					
	74.9				
6				EOB 5.98 ft	
7					
8					
9					
10					

OCW_DRE_DS040_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs);

Tier I analyses: Grain Size, TOC, Moisture Content
Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN.
Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.

* Uniform compression of sediment assumed for logging purposes.

		VIBRACORE LOG		LOCATION: DS041_VC	
PROJECT NAME: Ocean Wind 1				PAGE 1 OF 1	
PROJECT LOCATION: Barnegat Bay, NJ (Barnegat Bay Cable Route)				DRILL DATE: 22-Apr-2022	
HDR PROJ. NO: 10092078-30.20		HDR PERSONNEL: AW, DS, MR		LOG DATE: 25-Apr-2022	
CLIENT: Ørsted					
BORING INFORMATION				DRILLING CONTRACTOR: Alpine Ocean Seismic Surveys, Inc.	
PROJECT DEPTH: 6.0 FT		PENETRATION: 6.06 FT		DRILLER NAME: M. Kennedy; I. Wachino	
WATER DEPTH: 10.3 FT		RECOVERY: 5.23 FT		DRILLING EQUIPMENT: Alpine Model M Vibracore (hard liner)	
TIDE ADJUST: N/A FT		NORTHING: 358,318.56 FT		OTHER PERSONNEL / NOTES:	
MLW/MLLW ADJ: N/A FT		EASTING: 591,961.48 FT		86.3% recovery.	
CORR. DEPTH: N/A FT		COORDINATE SYSTEM		Target Depth: 6 ft below mudline (Cable Burial)	
		NAD83 (2011) State Plane NJ (feet)			
DEPTH BELOW MUDLINE	PID (ppm)	SAMPLE INTERVAL (ft. below mudline)	SAMPLE TIME AND DATE	SAMPLE DESCRIPTION (SOIL TYPE: plasticity/grain size, color, moisture particle shape, secondary components, minor constituents, observations)	NOTES / REMARKS
0	Bkgrnd	(S1) 0 - 6.0	4/25/2022 AT 1345	(SP) 0-1.15 ft: 7.5 YR 4/1 (dark gray), mostly SAND, trace lignite, cohesive, low plasticity, wet, poorly graded	
			OCW_DRE_DS041_VC_S1		
1	Bkgrnd			(SP) 1.15-6.06 ft: 7.5YR 4/1 (dark gray), mostly SAND, cohesive, low plasticity, wet, poorly graded	
2	Bkgrnd				
3	Bkgrnd				
4	Bkgrnd				
5	Bkgrnd				
6				EOB 6.06 ft	
7					
8					
9					
10					
OCW_DRE_DS041_VC_S1 (Tier I, Tier II, Dioxins/Furans, VOCs);				Tier I analyses: Grain Size, TOC, Moisture Content Tier II analyses: TCL SVOCs/PAHs, Pesticides, PCBs, TAL Metals, Hg, Cr3+/6+, CN. Additional analyses (Dioxins/Furans, VOCs) collected for placement evaluation. VOCs, when sampled for, collected as grab from upper 0.5-ft of interval.	

* Uniform compression of sediment assumed for logging purposes.

ATTACHMENT D

Sediment Chemistry Sample Summary Tables

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS001		DS001		DS001		DS002		DS002		DS003A		DS003A		DS004		DS004		DS004		DS005		DS005		DS006		
SAMPLE ID								OCW_DRE_DS001_VCB_S1		OCW_DRE_DS001_VCB_S2		OCW_DRE_DS001_VCB_S3		OCW_DRE_DS002_VC_S1		OCW_DRE_DS002_VC_S2		OCW_DRE_DS003A_VC_S1		OCW_DRE_DS003A_VC_S2		OCW_DRE_DS004_VC_S1		OCW_DRE_DS004_VC_S1D		OCW_DRE_DS004_VC_S2		OCW_DRE_DS005_VC_S1		OCW_DRE_DS005_VC_S2		OCW_DRE_DS006_VC_S1		
SAMPLING DATE								4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		5/6/2022		
SAMPLE AREA (See Figure)								IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		Prior Channel		
SAMPLING PURPOSE								Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		
LAB SAMPLE ID								L2217212-01		L2217212-02		L2217212-03		L2217212-04		L2217212-05		L2217212-06		L2217212-07		L2217212-08		L2217212-09		L2217212-10		L2217212-11		L2217212-12		L2223875-17		
SAMPLE TYPE								Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		
SAMPLE MEDIA								Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
SAMPLE DEPTH (ft. below seabed)								0.0 - 2.0 ft.		2.0 - 9.2 ft.		9.2 - 9.9 ft.		0.0 - 1.2 ft.		1.2 - 10.1 ft.		0.0 - 8.6 ft.		8.6 - 9.2 ft.		0.0 - 9.0 ft.		0.0 - 9.0 ft.		9.0 - 9.4 ft.		0.0 - 9.0 ft.		9.0 - 9.5 ft.		0.0 - 6.2 ft.		
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
Volatile Organics by 8260 (Prep Method EPA 5035)																																		
	1,1,1-Trichloroethane	71-55-6	0.2	--	160000	0.0050	0.2	mg/kg	0.00055	U	0.0005	U	-	-	0.0005	U	-	-	0.00057	U	-	-	0.00057	U	0.00039	U	-	-	0.00053	U	-	-	0.0046	U
	1,1,2,2-Tetrachloroethane	79-34-5	0.0069	--	3.5	0.0050	0.0069	mg/kg	0.00055	U	0.0005	U	-	-	0.0005	U	-	-	0.00057	U	-	-	0.00057	U	0.00039	U	-	-	0.00053	U	-	-	0.0046	U
	1,1,2-Trichloroethane	79-00-5	0.017	--	12	0.0050	0.017	mg/kg	0.0011	U	0.001	U	-	-	0.001	U	-	-	0.0011	U	-	-	0.0011	U	0.00077	U	-	-	0.001	U	-	-	0.0092	U
	1,1-Dichloroethane	75-34-3	0.24	--	120	0.0050	0.24	mg/kg	0.0011	U	0.001	U	-	-	0.001	U	-	-	0.0011	U	-	-	0.0011	U	0.00077	U	-	-	0.001	U	-	-	0.0092	U
	1,1-Dichloroethene	75-35-4	0.0069	52	11	0.0050	0.0069	mg/kg	0.0011	U	0.001	U	-	-	0.001	U	-	-	0.0011	U	-	-	0.0011	U	0.00077	U	-	-	0.001	U	-	-	0.0092	U
	1,2,3-Trichlorobenzene	87-61-6	--	--	--	n/a	--	mg/kg	0.0022	U	0.002	U	-	-	0.002	U	-	-	0.0023	U	-	-	0.0023	U	0.0015	U	-	-	0.0021	U	-	-	0.018	U
	1,2,3-Trichloropropane	96-18-4	--	--	--	n/a	--	mg/kg	0.0022	U	0.002	U	-	-	0.002	U	-	-	0.0023	U	-	-	0.0023	U	0.0015	U	-	-	0.0021	U	-	-	0.018	U
	1,2,4-Trichlorobenzene	120-82-1	0.52	94	780	0.0050	0.52	mg/kg	0.0022	U	0.002	U	-	-	0.002	U	-	-	0.0023	U	-	-	0.0023	U	0.0015	U	-	-	0.0021	U	-	-	0.018	U
	1,2,4-Trimethylbenzene	95-63-6	--	--	780	0.076	780	mg/kg	0.0022	U	0.002	U	-	-	0.002	U	-	-	0.0023	U	-	-	0.0023	U	0.0015	U	-	-	0.0021	U	-	-	0.018	U
	1,2-Dibromo-3-chloropropane	96-12-8	0.005	0.026	0.87	0.0050	0.005	mg/kg	0.0033	U	0.003	U	-	-	0.003	U	-	-	0.0034	U	-	-	0.0034	U	0.0023	U	-	-	0.0032	U	-	-	0.028	U
	1,2-Dibromoethane	106-93-4	0.005	0.085	0.35	0.0050	0.005	mg/kg	0.0011	U	0.001	U	-	-	0.001	U	-	-	0.0011	U	-	-	0.0011	U	0.00077	U	-	-	0.001	U	-	-	0.0092	U
	1,2-Dichlorobenzene	95-50-1	11	--	6700	0.0050	11	mg/kg	0.0022	U	0.002	U	-	-	0.002	U	-	-	0.0023	U	-	-	0.0023	U	0.0015	U	-	-	0.0021	U	-	-	0.018	U
	1,2-Dichloroethane	107-06-2	0.0095	71	5.8	0.0050	0.0095	mg/kg	0.0011	U	0.001	U	-	-	0.001	U	-	-	0.0011	U	-	-	0.0011	U	0.00077	U	-	-	0.001	U	-	-	0.0092	U
	1,2-Dichloropropane	78-87-5	0.0058	5.7	19	0.0050	0.0058	mg/kg	0.0011	U	0.001	U	-	-	0.001	U	-	-	0.0011	U	-	-	0.0011	U	0.00077	U	-	-	0.001	U	-	-	0.0092	U
	1,3,5-Trimethylbenzene	108-67-8	--	--	--	n/a	--	mg/kg	0.0022	U	0.002	U	-	-	0.002	U	-	-	0.0023	U	-	-	0.0023	U	0.0015	U	-	-	0.0021	U	-	-	0.018	U
	1,3-Dichlorobenzene	541-73-1	11	--	6700	0.0050	11	mg/kg	0.0022	U	0.002	U	-	-	0.002	U	-	-	0.0023	U	-	-	0.0023	U	0.0015	U	-	-	0.0021	U	-	-	0.018	U
	1,4-Dichlorobenzene	106-46-7	1.4	--	780	0.0050	1.4	mg/kg	0.0022	U	0.002	U	-	-	0.002	U	-	-	0.0023	U	-	-	0.0023	U	0.0015	U	-	-	0.0021	U	-	-	0.018	U
	1,4-Dioxane	123-91-1	0.067	45	7	0.067	0.067	mg/kg	0.088	U	0.08	U	-	-	0.081	U	-	-	0.092	U	-	-	0.092	U	0.062	U	-	-	0.084	U	-	-	0.73	U
	2-Butanone	78-93-3	0.98	--	47000	0.010	0.98	mg/kg	0.011	U	0.01	U	-	-	0.01	U	-	-	0.011	U	-	-	0.011	U	0.0077	U	-	-	0.01	U	-	-	0.25	
	2-Hexanone	591-78-6	0.15	1000	390	0.010	0.15	mg/kg	0.011	U	0.01	U	-	-	0.01	U	-	-	0.011	U	-	-	0.011	U	0.0077	U	-	-	0.01	U	-	-	0.092	U
	4-Methyl-2-pentanone	108-10-1	--	--	--	0.010	--	mg/kg	0.011	U	0.01	U	-	-	0.01	U	-	-	0.011	U	-	-	0.011	U	0.0077	U	-	-	0.01	U	-	-	0.092	U
	Acetone	67-64-1	19	--	70000	0.010	19	mg/kg	0.027	U	0.025	U	-	-	0.025	U	-	-	0.029	U	-	-	0.029	U	0.019	U	-	-	0.026	U	-	-	1.3	
	Benzene	71-43-2	0.0094	2.2	3	0.005	0.0094	mg/kg	0.00055	U	0.0005	U	-	-	0.0005	U	-	-	0.00057	U	-	-	0.00057	U	0.00039	U	-	-	0.00053	U	-	-	0.0046	U
	Bromochloromethane	74-97-5	--	--	--	n/a	--	mg/kg	0.0022	U	0.002	U	-	-	0.002	U	-	-	0.0023	U	-	-	0.0023	U	0.0015	U	-	-	0.0021	U	-	-	0.018	U
	Bromodichloromethane	75-27-4	0.005	--	11	0.0050	0.005	mg/kg	0.00055	U	0.0005	U	-	-	0.0005	U	-	-	0.00057	U	-	-	0.00057	U	0.00039	U	-	-	0.00053	U	-	-	0.0046	U
	Bromoform	75-25-2	0.018	--	88	0.0050	0.018	mg/kg	0.0044	U	0.004	U	-	-	0.004	U	-	-	0.0046	U	-	-	0.0046	U	0.0031	U	-	-	0.0042	U	-	-	0.037	U
	Bromomethane	74-83-9	0.043	18	110	0.0050	0.043	mg/kg	0.0022	U	0.002	U	-	-	0.002	U	-	-	0.0023	U	-	-	0.0023	U	0.0015	U	-	-	0.0021	U	-	-	0.018	U
	Carbon disulfide	75-15-0	3.7	--	--	0.0050	3.7	mg/kg	0.011	U	0.01	U	-	-	0.01	U	-	-	0.011	U	-	-	0.011	U	0.0077	U	-	-	0.01	U	-	-	0.09	J
	Carbon tetrachloride	56-23-5	0.0075	1.4	7.6	0.0050	0.0075	mg/kg	0.0011	U	0.001	U	-	-	0.001	U	-	-	0.0011	U	-	-	0.0011	U	0.00077	U	-	-	0.001	U	-	-	0.0092	U
	Chlorobenzene	108-90-7	0.64	--	510	0.0050	0.64	mg/kg	0.00055	U	0.0005	U	-	-	0.0005	U	-	-	0.00057	U	-	-	0.00057	U	0.00039	U</								

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS001		DS001		DS001		DS002		DS002		DS003A		DS003A		DS004		DS004		DS004		DS005		DS005		DS006			
SAMPLE ID							OCW_DRE_DS001_VCB_S1		OCW_DRE_DS001_VCB_S2		OCW_DRE_DS001_VCB_S3		OCW_DRE_DS002_VC_S1		OCW_DRE_DS002_VC_S2		OCW_DRE_DS003A_VC_S1		OCW_DRE_DS003A_VC_S2		OCW_DRE_DS004_VC_S1		OCW_DRE_DS004_VC_S1D		OCW_DRE_DS004_VC_S2		OCW_DRE_DS005_VC_S1		OCW_DRE_DS005_VC_S2		OCW_DRE_DS006_VC_S1			
SAMPLING DATE							4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		5/6/2022			
SAMPLE AREA (See Figure)							IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		Prior Channel			
SAMPLING PURPOSE							Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material			
LAB SAMPLE ID							L2217212-01		L2217212-02		L2217212-03		L2217212-04		L2217212-05		L2217212-06		L2217212-07		L2217212-08		L2217212-09		L2217212-10		L2217212-11		L2217212-12		L2223875-17			
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample			
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							0.0 - 2.0 ft.		2.0 - 9.2 ft.		9.2 - 9.9 ft.		0.0 - 1.2 ft.		1.2 - 10.1 ft.		0.0 - 8.6 ft.		8.6 - 9.2 ft.		0.0 - 9.0 ft.		0.0 - 9.0 ft.		9.0 - 9.4 ft.		0.0 - 9.0 ft.		9.0 - 9.5 ft.		0.0 - 6.2 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	trans-1,3-Dichloropropene (see sum	10061-02-6	0.0063	4.8	7	0.0050	0.0063	mg/kg	0.0011	U	0.001	U	-	-	0.001	U	-	-	0.0011	U	-	-	0.0011	U	0.00077	U	-	-	0.001	U	-	-	0.0092	U
	1,3-Dichloropropene (cis & trans)	Sum	0.0063	4.8	7	0.0050	0.0063	mg/kg	0.0011	U	0.001	U	-	-	0.001	U	-	-	0.0011	U	-	-	0.0011	U	0.00077	U	-	-	0.001	U	-	-	0.0092	U
	Trichloroethene	79-01-6	0.0065	3	15	0.0050	0.0065	mg/kg	0.00055	U	0.0005	U	-	-	0.0005	U	-	-	0.00057	U	-	-	0.00057	U	0.00039	U	-	-	0.00053	U	-	-	0.0046	U
	Trichlorofluoromethane	75-69-4	29	--	23000	0.0050	29	mg/kg	0.0044	U	0.004	U	-	-	0.004	U	-	-	0.0046	U	-	-	0.0046	U	0.0031	U	-	-	0.0042	U	-	-	0.037	U
	Vinyl chloride	75-01-4	0.0067	1.4	0.97	0.0050	0.0067	mg/kg	0.0011	U	0.001	U	-	-	0.001	U	-	-	0.0011	U	-	-	0.0011	U	0.00077	U	-	-	0.001	U	-	-	0.0092	U
Semivolatile Organics by GC/MS																																		
	1,2,4,5-Tetrachlorobenzene	95-94-3	--	--	23	0.17	23	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	2,3,4,6-Tetrachlorophenol	58-90-2	26	--	1900	0.17	26	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	2,4,5-Trichlorophenol	95-95-4	68	--	6300	0.20	68	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	2,4,6-Trichlorophenol	88-06-2	0.86	--	49	0.20	0.86	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	2,4-Dichlorophenol	120-83-2	0.19	--	190	0.17	0.19	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	2,4-Dimethylphenol	105-67-9	2.3	--	1300	0.17	2.3	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	2,4-Dinitrophenol	51-28-5	0.33	--	130	0.33	0.33	mg/kg	0.226	U	0.206	U	0.234	U	0.236	U	0.236	U	0.265	U	0.242	U	0.122	U	0.126	U	0.12	U	0.248	U	0.118	U	1.27	U
	2,4-Dinitrotoluene	121-14-2	0.27	--	0.8	0.17	0.27	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	2,6-Dinitrotoluene	606-20-2	0.27	--	0.8	0.17	0.27	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	2-Chloronaphthalene	91-58-7	--	--	4800	0.17	4800	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	2-Chlorophenol	95-57-8	0.76	--	390	0.17	0.76	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	2-Methylphenol	95-48-7	0.77	--	320	0.33	0.77	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	2-Nitroaniline	88-74-4	--	--	--	n/a	--	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	2-Nitrophenol	88-75-5	--	--	--	n/a	--	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	3,3'-Dichlorobenzidine	91-94-1	3.9	--	1.2	0.33	1.2	mg/kg	0.0755	U	0.0688	U	0.078	U	0.0788	U	0.0786	U	0.0882	U	0.0806	U	0.0407	U	0.0422	U	0.0401	U	0.0827	U	0.0395	U	0.424	U
	3-Nitroaniline	99-09-2	--	--	--	n/a	--	mg/kg	0.0755	U	0.0688	U	0.078	U	0.0788	U	0.0786	U	0.0882	U	0.0806	U	0.0407	U	0.0422	U	0.0401	U	0.0827	U	0.0395	U	0.424	U
	4,6-Dinitro-2-methylphenol	534-52-1	--	--	--	n/a	--	mg/kg	0.226	U	0.206	U	0.234	U	0.236	U	0.236	U	0.265	U	0.242	U	0.122	U	0.126	U	0.12	U	0.248	U	0.118	U	1.27	U
	4-Bromophenyl-phenylether	101-55-3	--	--	--	n/a	--	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	4-Chloroaniline	106-47-8	0.23	--	2.7	0.17	0.23	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	4-Chlorophenyl-phenylether	7005-72-3	--	--	--	n/a	--	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	4-Methylphenol	106-44-5	--	--	--	0.33	--	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
	4-Nitroaniline	100-01-6	--	--	27	0.33	27	mg/kg	0.226	U	0.206	U	0.234	U																				

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS001		DS001		DS001		DS002		DS002		DS003A		DS003A		DS004		DS004		DS004		DS005		DS005		DS006				
SAMPLE ID								OCW_DRE_DS001_VCB_S1		OCW_DRE_DS001_VCB_S2		OCW_DRE_DS001_VCB_S3		OCW_DRE_DS002_VC_S1		OCW_DRE_DS002_VC_S2		OCW_DRE_DS003A_VC_S1		OCW_DRE_DS003A_VC_S2		OCW_DRE_DS004_VC_S1		OCW_DRE_DS004_VC_S2		OCW_DRE_DS004_VC_S2		OCW_DRE_DS005_VC_S1		OCW_DRE_DS005_VC_S2		OCW_DRE_DS006_VC_S1				
SAMPLING DATE								4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		5/6/2022				
SAMPLE AREA (See Figure)								IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		Prior Channel				
SAMPLING PURPOSE								Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material				
LAB SAMPLE ID								L2217212-01		L2217212-02		L2217212-03		L2217212-04		L2217212-05		L2217212-06		L2217212-07		L2217212-08		L2217212-09		L2217212-10		L2217212-11		L2217212-12		L2223875-17				
SAMPLE TYPE								Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample				
SAMPLE MEDIA								Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment				
SAMPLE DEPTH (ft. below seabed)								0.0 - 2.0 ft.		2.0 - 9.2 ft.		9.2 - 9.9 ft.		0.0 - 1.2 ft.		1.2 - 10.1 ft.		0.0 - 8.6 ft.		8.6 - 9.2 ft.		0.0 - 9.0 ft.		0.0 - 9.0 ft.		9.0 - 9.4 ft.		0.0 - 9.0 ft.		9.0 - 9.5 ft.		0.0 - 6.2 ft.				
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual				
	Acenaphthylene	208-96-8	--	--	--	n/a	--	mg/kg	0.00449	U	0.00395	U	0.00453	U	0.00081	J	0.00453	U	0.00518	U	0.00457	U	0.00482	U	0.00469	U	0.00459	U	0.00479	U	0.0047	U	0.0206	J		
	Anthracene	120-12-7	--	--	18000	0.17	18000	mg/kg	0.00449	U	0.00395	U	0.00094	J	0.00254	J	0.00453	U	0.00518	U	0.00457	U	0.00482	U	0.00079	J	0.00459	U	0.00479	U	0.0047	U	0.0469	U		
	Benzo(a)anthracene	56-55-3	0.71	78000	5.1	0.17	0.71	mg/kg	0.00449	U	0.00395	U	0.00453	U	0.0087		0.00453	U	0.00518	U	0.00457	U	0.00482	U	0.0047		0.00459	U	0.00479	U	0.0047	U	0.148	U		
	Benzo(a)pyrene	50-32-8	--	3500	0.51	0.17	0.51	mg/kg	0.00449	U	0.00395	U	0.00453	U	0.00797		0.00453	U	0.00518	U	0.00457	U	0.00482	U	0.00462	J	0.00459	U	0.00479	U	0.0047	U	0.164	U		
	Benzo(b)fluoranthene	205-99-2	--	78000	5.1	0.17	5.1	mg/kg	0.00449	U	0.00395	U	0.00453	U	0.00755		0.00453	U	0.00518	U	0.00457	U	0.00065	J	0.00457	J	0.00459	U	0.00479	U	0.0047	U	0.221	U		
	Benzo(g,h,i)perylene	191-24-2	--	--	--	n/a	--	mg/kg	0.00449	U	0.00395	U	0.00453	U	0.00395	J	0.00453	U	0.00518	U	0.00457	U	0.00482	U	0.00315	J	0.00459	U	0.00479	U	0.0047	U	0.122	U		
	Benzo(k)fluoranthene	207-08-9	--	780000	51	0.17	51	mg/kg	0.00449	U	0.00395	U	0.00453	U	0.00745		0.00453	U	0.00518	U	0.00457	U	0.00068	J	0.00466	J	0.00459	U	0.00479	U	0.0047	U	0.139	U		
	Chrysene	218-01-9	--	--	510	0.17	510	mg/kg	0.00449	U	0.00395	U	0.00453	U	0.00794		0.00453	U	0.00518	U	0.00457	U	0.00042	J	0.00533		0.00459	U	0.00051	J	0.0047	U	0.184	U		
	Dibenz(a,h)anthracene	53-70-3	--	7800	0.51	0.17	0.51	mg/kg	0.00449	U	0.00395	U	0.00453	U	0.00451	U	0.00453	U	0.00518	U	0.00457	U	0.00482	U	0.00469	U	0.00459	U	0.00479	U	0.0047	U	0.0286	U		
	Fluoranthene	206-44-0	--	--	2400	0.33	2400	mg/kg	0.00449	U	0.00395	U	0.00453	U	0.0131		0.00453	U	0.00518	U	0.00457	U	0.00088	J	0.00597		0.00459	U	0.00479	U	0.0047	U	0.44	U		
	Fluorene	86-73-7	--	--	2400	0.17	2400	mg/kg	0.00449	U	0.00395	U	0.00077	J	0.00451	U	0.00453	U	0.00518	U	0.00457	U	0.00482	U	0.00034	J	0.00459	U	0.00479	U	0.0047	U	0.0245	J		
	Indeno(1,2,3-cd)pyrene	193-39-5	--	78000	5.1	0.17	5.1	mg/kg	0.00449	U	0.00395	U	0.00453	U	0.0035	J	0.00453	U	0.00518	U	0.00457	U	0.00482	U	0.00268	J	0.00459	U	0.00479	U	0.0047	U	0.125	U		
	Naphthalene	91-20-3	19	5.7	2500	0.17	5.7	mg/kg	0.00791		0.0112		0.0047		0.00698		0.00441	J	0.00577		0.00486		0.00446	J	0.00899		0.00296	J	0.00482		0.00854		0.0545	U		
	Phenanthrene	85-01-8	--	--	--	n/a	--	mg/kg	0.00449	U	0.00395	U	0.00122	J	0.00254	J	0.00453	U	0.00518	U	0.00457	U	0.00482	U	0.00303	J	0.00459	U	0.0008	J	0.00065	J	0.158	U		
	Pyrene	129-00-0	--	--	1800	0.17	1800	mg/kg	0.00057	J	0.00395	U	0.00453	U	0.012		0.00453	U	0.00518	U	0.00457	U	0.00128	J	0.00681		0.00459	U	0.00149	J	0.0047	U	0.362	U		
Organochlorine Pesticides by GC																																				
	4,4'-DDD	72-54-8	0.47	--	2.3	0.0033	0.47	mg/kg	0.0001	U	0.00009	U	0.00011	U	0.00011	U	0.00011	U	0.00013	U	0.00012	U	0.00011	U	0.00012	U	0.00012	U	0.00012	U	0.00012	U	0.00011	U	0.966	U
	4,4'-DDE	72-55-9	0.47	--	2	0.0033	0.47	mg/kg	0.0001	U	0.00009	U	0.00011	U	0.00011	U	0.00011	U	0.00013	U	0.00012	U	0.00011	U	0.00012	U	0.00012	U	0.00012	U	0.00012	U	0.00011	U	0.163	U
	4,4'-DDT	50-29-3	0.67	--	1.9	0.0033	0.67	mg/kg	0.0001	U	0.00009	U	0.00011	U	0.00011	U	0.00011	U	0.00013	U	0.00012	U	0.00011	U	0.00012	U	0.00012	U	0.00012	U	0.00012	U	0.00011	U	0.041	U
	Aldrin	309-00-2	0.13	--	0.041	0.0017	0.041	mg/kg	0.0001	U	0.00009	U	0.00011	U	0.00011	U	0.00011	U	0.00013	U	0.00012	U	0.00011	U	0.00012	U	0.00012	U	0.00012	U	0.00012	U	0.00011	U	0.00324	U
	alpha-BHC	319-84-6	0.0023	--	0.086	0.0017	0.0023	mg/kg	0.0001	U	0.00009	U	0.00011	U	0.00011	U	0.00011	U	0.00013	U	0.00012	U	0.00011	U	0.00012	U	0.00012	U	0.00012	U	0.00012	U	0.00011	U	0.00324	U
	beta-BHC	319-85-7	0.0046	--	0.3	0.0017	0.0046	mg/kg	0.0001	U	0.00009	U	0.00011	U	0.00011	U	0.00011	U	0.00013	U	0.00012	U	0.00011	U	0.00012	U	0.00012	U	0.00012	U	0.00012	U	0.00011	U	0.00324	U
	delta-BHC	319-86-8	--	--	--	n/a	--	mg/kg	0.0001	U	0.00009	U	0.00011	U	0.00011	U	0.00011	U	0.00013	U	0.00012	U	0.00011	U	0.00012	U	0.00012	U	0.00012	U	0.00012	U	0.00011	U	0.00324	U
	Dieldrin	60-57-1	0.024	--	0.034	0.0033	0.024	mg/kg	0.0001	U	0.00009	U	0.00011	U	0.00011	U	0.00011	U	0.00013	U	0.00012	U	0.00011	U	0.00012	U	0.00012	U	0.00012	U	0.00012	U	0.00011	U	0.00324	U
	Endosulfan I (see sum)	959-98-8	--	--	470	n/a	470	mg/kg	0.0001	U	0.00009	U	0.00011	U	0.00011	U	0.00011	U	0.00013	U	0.00012	U	0.00011	U	0.00012	U	0.00012	U	0.00012	U	0.00012	U	0.00011	U	0.00324	U
	Endosulfan II (see sum)	33213-65-9	--	--	470	n/a	470	mg/kg	0.0001	U	0.00009	U	0.00011	U	0.00011	U	0.00011	U	0.00013	U	0.00012	U	0.00011	U	0.00012	U	0.00012	U	0.00012	U	0.00012	U	0.00011	U	0.00324	U
	Sum of Endosulfan I & II	115-29-7	--	--	470	0.0033	470	mg/kg	0.0001	U	0.00009	U	0.00011	U	0.00011	U	0.00011	U	0.00013	U	0.00012	U	0.00011	U	0.00012	U	0.00012	U	0.00012	U	0.00012	U	0.00011	U	0.00324	U
	Endosulfan sulfate	1031-07-8	--	--	--	n/a	--	mg/kg	0.0001	U	0.00009	U	0.00011	U	0.00011	U	0.00011	U	0.00013	U	0.00012	U	0.00011	U	0.00012	U	0.00012	U	0.00012	U	0.00012	U	0			

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS001		DS001		DS001		DS002		DS002		DS003A		DS003A		DS004		DS004		DS004		DS005		DS005		DS006			
SAMPLE ID							OCW_DRE_DS001_VCB_S1		OCW_DRE_DS001_VCB_S2		OCW_DRE_DS001_VCB_S3		OCW_DRE_DS002_VC_S1		OCW_DRE_DS002_VC_S2		OCW_DRE_DS003A_VC_S1		OCW_DRE_DS003A_VC_S2		OCW_DRE_DS004_VC_S1		OCW_DRE_DS004_VC_S1D		OCW_DRE_DS004_VC_S2		OCW_DRE_DS005_VC_S1		OCW_DRE_DS005_VC_S2		OCW_DRE_DS006_VC_S1			
SAMPLING DATE							4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		5/6/2022			
SAMPLE AREA (See Figure)							IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		Prior Channel			
SAMPLING PURPOSE							Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material			
LAB SAMPLE ID							L2217212-01		L2217212-02		L2217212-03		L2217212-04		L2217212-05		L2217212-06		L2217212-07		L2217212-08		L2217212-09		L2217212-10		L2217212-11		L2217212-12		L2223875-17			
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample			
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							0.0 - 2.0 ft.		2.0 - 9.2 ft.		9.2 - 9.9 ft.		0.0 - 1.2 ft.		1.2 - 10.1 ft.		0.0 - 8.6 ft.		8.6 - 9.2 ft.		0.0 - 9.0 ft.		0.0 - 9.0 ft.		9.0 - 9.4 ft.		0.0 - 9.0 ft.		9.0 - 9.5 ft.		0.0 - 6.2 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	Aroclor 1260	11096-82-5	--	--	--	n/a	--	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U	0.00899	U	0.00856	U	0.00913	U	0.009	U	0.00915	U	0.00855	U	0.0486	U
	Aroclor 1262	37324-23-5	--	--	--	n/a	--	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U	0.00899	U	0.00856	U	0.00913	U	0.009	U	0.00915	U	0.00855	U	0.0486	U
	Aroclor 1268	11100-14-4	--	--	--	n/a	--	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U	0.00899	U	0.00856	U	0.00913	U	0.009	U	0.00915	U	0.00855	U	0.0486	U
	PCBs, Total	1336-36-3	1.6	--	0.25	0.030	0.25	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U	0.00899	U	0.00856	U	0.00913	U	0.009	U	0.00915	U	0.00855	U	0.0486	U
Total Metals																																		
	Aluminum, Total	7429-90-5	--	--	78000	20	78000	mg/kg	767		137		181		138		219		1500		394		283		360		206		1360		240		7470	
	Antimony, Total	7440-36-0	5.4	--	31	1.0	5.4	mg/kg	1.83	U	1.59	U	1.8	U	1.86	U	1.82	U	2.1	U	1.94	U	1.94	U	1.94	U	1.9	U	1.91	U	1.82	U	10.3	U
	Arsenic, Total	7440-38-2	19	1100	19	0.50	19	mg/kg	1.52		0.344	J	0.401	J	0.232	J	0.452	J	2.59		0.71		0.516	J	0.632		0.382	J	2.32		0.543	J	4.8	
	Barium, Total	7440-39-3	2100	870000	16000	5.0	2100	mg/kg	1.51	J	0.675	J	0.794	J	0.628	J	0.888	J	3.06	J	1.5	J	1.02	J	1.42	J	1.18	J	3.88		1.4	J	17.1	J
	Beryllium, Total	7440-41-7	0.7	2000	160	0.50	0.7	mg/kg	0.342	U	0.298	U	0.338	U	0.349	U	0.34	U	0.155	J	0.363	U	0.365	U	0.364	U	0.356	U	0.173	J	0.342	U	1.94	U
	Cadmium, Total	7440-43-9	1.9	2600	71	0.50	1.9	mg/kg	0.228	U	0.199	U	0.226	U	0.233	U	0.227	U	0.262	U	0.242	U	0.243	U	0.243	U	0.237	U	0.043	J	0.228	U	2.94	
	Calcium, Total	7440-70-2	--	--	--	n/a	--	mg/kg	2040		263	J	1830		527	J	992		2310		603	J	1140		1380		404	J	2290		790		6610	
	Chromium, Total	7440-47-3	--	--	--	n/a	--	mg/kg	3.88		0.898	J	1.62	J	1.02	J	2.7		7.55		2.99		1.6	J	1.98	J	1.85	J	6.32		3.29		31	
	Cobalt, Total	7440-48-4	90	520	23	0.50	23	mg/kg	0.71		0.11	J	0.147	J	0.109	J	0.172	J	1.28		0.301	J	0.256	J	0.3	J	0.163	J	1.2		0.184	J	8.25	
	Copper, Total	7440-50-8	910	--	3100	1.0	910	mg/kg	0.536	J	1.99	U	2.26	U	2.33	U	2.27	U	1.02	J	2.42	U	2.43	U	2.43	U	2.37	U	1.01	J	2.28	U	46.7	
	Iron, Total	7439-89-6	--	--	--	n/a	--	mg/kg	2560		325		480		369		588		4960		1150		788		1020		480		4490		603		17100	
	Lead, Total	7439-92-1	90	--	400	0.50	90	mg/kg	3.47		0.641		0.561	J	0.681	J	0.558	J	5.61		1.12		1.13		1.44		0.853		5.73		0.896		72.4	
	Magnesium, Total	7439-95-4	--	--	--	n/a	--	mg/kg	649		229		280		199		300		1280		458		383		400		320		1170		376		9980	
	Manganese, Total	7439-96-5	--	87000	1900	0.50	1900	mg/kg	19.3		4.19		5.72		3.38		4.74		40.5		7.82		8.08		10		6.43		35.4		7.96		106	
	Mercury, Total	7439-97-6	0.1	520000	23	0.10	0.1	mg/kg	0.008	J	0.013	U	0.015	U	0.018	U	0.015	U	0.013	J	0.018	U	0.017	U	0.003	J	0.017	U	0.011	J	0.018	U	0.61	
	Nickel, Total	7440-02-0	48	20000	1600	0.50	48	mg/kg	1.25		0.995	U	0.4	J	1.16	U	0.884	J	2.58		0.892	J	0.566	J	0.59	J	0.489	J	2.27		1.09	J	19	
	Potassium, Total	7440-09-7	--	--	--	n/a	--	mg/kg	454		96.4	J	126		102	J	160		780		297		198		218		141		694		186		3400	
	Selenium, Total	7782-49-2	11	--	390	2.5	11	mg/kg	2.28	U	1.99	U	2.26	U	2.33	U	2.27	U	2.62	U	2.42	U	2.43	U	2.43	U	2.37	U	2.38	U	2.28	U	12.9	U
	Silver, Total	7440-22-4	0.5	--	390	0.50	0.5	mg/kg	0.571	U	0.497	U	0.564	U	0.582	U	0.567	U	0.655	U	0.606	U	0.608	U	0.608	U	0.592	U	0.596	U	0.57	U	0.444	J
	Sodium, Total	7440-23-5	--	--	--	n/a	--	mg/kg	1670		1320		1520		1040		1520		2850		2040		1880		1600		1830		2530		1980		39600	
	Thallium, Total	7440-28-0	--	--	--	n/a	--	mg/kg	0.456	U	0.398	U	0.451	U	0.465	U	0.095	J	0.524	U	0.484	U	0.486	U	0.486	U	0.474	U	0.074	J	0.456	U	0.541	J
	Tin, Total	7440-31-5	--	--	--	n/a	--	mg/kg	0.39	J	1.19	U	1.35	U	1.4	U	1.36	U	0.512	J	1.45	U	1.46	U	1.46	U	1.42	U	0.745	J	1.37	U	3.96	J
	Vanadium, Total	7440-62-2	--	170000	390	2.5	390	mg/kg	3.96		0.726	J	0.784	J	0.772	J	1.11	J	7.55		1.82		1.28		1.64		0.95	J	7.02		1.19		38.1	
	Zinc, Total	7440-66-6	930	--	23000	1.0	930	mg/kg	7.1	J	9.95	U	11.3	U	11.6	U	11.3	U	11.3	J	12.1	U	12.2	U	12.2	U	11.8	U	12.1		11.4	U	217	
Total Organic Carbon																																		
	Total Organic Carbon (Average)	7440-44-0	--	--	--	n/a	--	mg/kg	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U						

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS001		DS001		DS001		DS002		DS002		DS003A		DS003A		DS004		DS004		DS004		DS005		DS005		DS006			
SAMPLE ID								OCW_DRE_DS001_VCB_S1		OCW_DRE_DS001_VCB_S2		OCW_DRE_DS001_VCB_S3		OCW_DRE_DS002_VC_S1		OCW_DRE_DS002_VC_S2		OCW_DRE_DS003A_VC_S1		OCW_DRE_DS003A_VC_S2		OCW_DRE_DS004_VC_S1		OCW_DRE_DS004_VC_S1D		OCW_DRE_DS004_VC_S2		OCW_DRE_DS005_VC_S1		OCW_DRE_DS005_VC_S2		OCW_DRE_DS006_VC_S1			
SAMPLING DATE								4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		5/6/2022			
SAMPLE AREA (See Figure)								IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		Prior Channel			
SAMPLING PURPOSE								Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material			
LAB SAMPLE ID								L2217212-01		L2217212-02		L2217212-03		L2217212-04		L2217212-05		L2217212-06		L2217212-07		L2217212-08		L2217212-09		L2217212-10		L2217212-11		L2217212-12		L2223875-17			
SAMPLE TYPE								Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample			
SAMPLE MEDIA								Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)								Criteria		0.0 - 2.0 ft.		2.0 - 9.2 ft.		9.2 - 9.9 ft.		0.0 - 1.2 ft.		1.2 - 10.1 ft.		0.0 - 8.6 ft.		8.6 - 9.2 ft.		0.0 - 9.0 ft.		0.0 - 9.0 ft.		9.0 - 9.4 ft.		0.0 - 9.0 ft.		9.0 - 9.5 ft.		0.0 - 6.2 ft.	
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual			
	1,2,3,6,7,8-HxCDD	57653-85-7	--	--	--	n/a	--	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000298	U	0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U	
	1,2,3,6,7,8-HxCDF	57117-44-9	--	--	--	n/a	--	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000298	U	0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U	
	1,2,3,7,8,9-HxCDD	19408-74-3	--	--	--	n/a	--	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000298	U	0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U	
	1,2,3,7,8,9-HxCDF	72918-21-9	--	--	--	n/a	--	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000298	U	0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U	
	1,2,3,7,8-PeCDD	40321-76-4	--	--	--	n/a	--	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000298	U	0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U	
	1,2,3,7,8-PeCDF	57117-41-6	--	--	--	n/a	--	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000298	U	0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U	
	2,3,4,6,7,8-HxCDF	60851-34-5	--	--	--	n/a	--	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000298	U	0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U	
	2,3,4,7,8-PeCDF	57117-31-4	--	--	--	n/a	--	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000298	U	0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U	
	2,3,7,8-TCDD	1746-01-6	0.0001	--	0.000051	0.0000010	0.000051	mg/kg	0.000000542	U	-	-	-	-	0.00000059	U	-	-	0.000000639	U	-	-	0.000000597	U	0.00000062	U	-	-	0.000000608	U	-	-	0.00000317	U	
	2,3,7,8-TCDF	51207-31-9	--	--	--	n/a	--	mg/kg	0.000000542	U	-	-	-	-	0.00000059	U	-	-	0.000000639	U	-	-	0.000000597	U	0.00000062	U	-	-	0.000000608	U	-	-	0.00000514		
	OCDD	3268-87-9	--	--	--	n/a	--	mg/kg	0.0000627		-	-	-	-	0.0000475		-	-	0.0000142		-	-	0.000815		0.000161		-	-	0.00000689		-	-	0.000759	B	
	OCDF	39001-02-0	--	--	--	n/a	--	mg/kg	0.0000152		-	-	-	-	0.0000122		-	-	0.00000639	U	-	-	0.000134		0.0000363		-	-	0.00000608	U	-	-	0.00042	B	
	Total HpCDD	37871-00-4	--	--	--	n/a	--	mg/kg	0.00000379		-	-	-	-	0.00000335		-	-	0.00000319	U	-	-	0.000102		0.00000584		-	-	0.00000304	U	-	-	0.000203		
	Total HpCDF	38998-75-3	--	--	--	n/a	--	mg/kg	0.00000604		-	-	-	-	0.00000734		-	-	0.00000319	U	-	-	0.0000959		0.0000196		-	-	0.00000304	U	-	-	0.0000474		
	Total HxCDD	34465-46-8	--	--	--	n/a	--	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000328		0.0000031	U	-	-	0.00000304	U	-	-	0.0000396		
	Total HxCDF	55684-94-1	--	--	--	n/a	--	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.0000228		0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U	
	Total PCDD	null	--	--	--	n/a	--	mg/kg	0.0000665		-	-	-	-	0.0000509		-	-	0.0000142		-	-	0.00092		0.000167		-	-	0.00000689		-	-	0.00101	B	
	Total PCDF	null	--	--	--	n/a	--	mg/kg	0.0000212		-	-	-	-	0.0000195		-	-	0.00000639	U	-	-	0.000253		0.0000559		-	-	0.00000608	U	-	-	0.000119	B	
	Total PeCDD	36088-22-9	--	--	--	n/a	--	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000298	U	0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U	
	Total PeCDF	30402-15-4	--	--	--	n/a	--	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000298	U	0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U	
	Total TCDD	41903-57-5	--	--	--	n/a	--	mg/kg	0.000000542	U	-	-	-	-	0.00000059	U	-	-	0.000000639	U	-	-	0.000000597	U	0.00000062	U	-	-	0.000000608	U	-	-	0.0000033		
	Total TCDF	55722-27-5	--	--	--	n/a	--	mg/kg	0.000000542	U	-	-	-	-	0.00000059	U	-	-	0.000000639	U	-	-	0.000000597	U	0.00000062	U	-	-	0.000000608	U	-	-	0.00003		
	Toxic Equivalency (TEQ)	null	--	--	--	n/a	--	mg/kg	0.000000061		-	-	-	-	0.000000052		-	-	0.000000004		-	-	0.00000129		0.000000135		-	-	0.000000002		-	-	0.00000171		

FOOTNOTES

Results Column = reported detected concentration or reporting limit (for non-detects).

NJ-MGW-SRS: New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

NJ-RI-SRS: New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

NJ-RID-SRS: New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

7:26D RL: NJDEP Soil Remediation Standards Reporting Limits from 7:26 D (last amended May 17, 2021).

NJ-Min: Minimum value of the three NJDEP Soil Remediation Standards

(used to compare against results; exceedances of this value are

Indications of Exceedance of "NJ MIN" Criteria (see above description)

Reporting Limit Exceeds:

ITAL

Blue italic text with light gray hatch lines.

Detected Result Exceeds:

BOLD

Bold black text with light yellow shading.

Highlighted Criteria: Gray highlight of criteria indicates one or more detected result (or reporting limit, for non-detect) exceeds the highlighted criteria.

Bold/Italic font in the criteria columns indicate that the criteria is equal to the minimum of those shown.

Qualifiers ("Qual" Column)

U - Analyte not detected at a concentration above the reporting detection limit (the value shown for non-detects)

B - Analyte detected above the reporting limit in an associated quality control blank.

J - Analyte positively identified; concentration estimated.

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS006	DS007	DS007	DS007	DS007	DS008	DS008	DS009	DS009	DS010	DS010	DS011	DS011	DS012						
SAMPLE ID							OCW_DRE_DS006_VC_S2	OCW_DRE_DS007_VC_S1	OCW_DRE_DS007_VC_S2	OCW_DRE_DS007_VC_S3	OCW_DRE_DS008_VCA_S1	OCW_DRE_DS008_VCA_S2	OCW_DRE_DS009_VCB_S1	OCW_DRE_DS009_VCB_S2	OCW_DRE_DS010_VCC_S1	OCW_DRE_DS010_VCC_S2	OCW_DRE_DS011_VCB_S1	OCW_DRE_DS011_VCB_S2	OCW_DRE_DS012_VC_S1							
SAMPLING DATE							5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/5/2022	5/5/2022	5/5/2022	5/5/2022	4/27/2022							
SAMPLE AREA (See Figure)							Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel							
SAMPLING PURPOSE							Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material							
LAB SAMPLE ID							L2223875-18	L2223875-15	L2223875-16	L2223875-23	L2223875-11	L2223875-12	L2223875-07	L2223875-08	L2223875-01	L2223875-02	L2223875-03	L2223875-04	L2222114-03							
SAMPLE TYPE							Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample							
SAMPLE MEDIA							Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment							
SAMPLE DEPTH (ft. below seabed)							6.2 - 6.7 ft.	0.0 - 2.7 ft.	2.7 - 6.8 ft.	6.8 - 7.3 ft.	0.0 - 3.5 ft.	3.5 - 4.0 ft.	0.0 - 4.0 ft.	4.0 - 4.5 ft.	0.0 - 3.8 ft.	3.8 - 4.3 ft.	0.0 - 3.0 ft.	3.0 - 3.5 ft.	0.0 - 3.0 ft.							
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
Volatile Organics by 8260 (Prep Method EPA 5035)																										
	1,1,1-Trichloroethane	71-55-6	0.2	--	160000	0.0050	0.2	mg/kg	-	-	0.00034	U	0.00094	U	-	-	0.0011	U	-	-	0.0034	U	-	-	0.0014	U
	1,1,2,2-Tetrachloroethane	79-34-5	0.0069	--	3.5	0.0050	0.0069	mg/kg	-	-	0.00034	U	0.00094	U	-	-	0.0011	U	-	-	0.0034	U	-	-	0.0014	U
	1,1,2-Trichloroethane	79-00-5	0.017	--	12	0.0050	0.017	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0028	U
	1,1-Dichloroethane	75-34-3	0.24	--	120	0.0050	0.24	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0028	U
	1,1-Dichloroethene	75-35-4	0.0069	52	11	0.0050	0.0069	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0028	U
	1,2,3-Trichlorobenzene	87-61-6	--	--	--	n/a	--	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U
	1,2,3-Trichloropropane	96-18-4	--	--	--	n/a	--	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U
	1,2,4-Trichlorobenzene	120-82-1	0.52	94	780	0.0050	0.52	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U
	1,2,4-Trimethylbenzene	95-63-6	--	--	780	0.076	780	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.0029	J	-	-	0.0055	U
	1,2-Dibromo-3-chloropropane	96-12-8	0.005	0.026	0.87	0.0050	0.005	mg/kg	-	-	0.002	U	0.0056	U	-	-	0.0065	U	-	-	0.02	U	-	-	0.017	U
	1,2-Dibromoethane	106-93-4	0.005	0.085	0.35	0.0050	0.005	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U
	1,2-Dichlorobenzene	95-50-1	11	--	6700	0.0050	11	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U
	1,2-Dichloroethane	107-06-2	0.0095	71	5.8	0.0050	0.0095	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U
	1,2-Dichloropropane	78-87-5	0.0058	5.7	19	0.0050	0.0058	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U
	1,3,5-Trimethylbenzene	108-67-8	--	--	--	n/a	--	mg/kg	-	-	0.0014	U	0.0012	J	-	-	0.0043	U	-	-	0.029		-	-	0.011	
	1,3-Dichlorobenzene	541-73-1	11	--	6700	0.0050	11	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U
	1,4-Dichlorobenzene	106-46-7	1.4	--	780	0.0050	1.4	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U
	1,4-Dioxane	123-91-1	0.067	45	7	0.067	0.067	mg/kg	-	-	0.054	U	0.15	U	-	-	0.17	U	-	-	0.54	U	-	-	0.44	U
	2-Butanone	78-93-3	0.98	--	47000	0.010	0.98	mg/kg	-	-	0.0068	U	0.011	J	-	-	0.025		-	-	0.11		-	-	0.058	
	2-Hexanone	591-78-6	0.15	1000	390	0.010	0.15	mg/kg	-	-	0.0068	U	0.019	U	-	-	0.022	U	-	-	0.067	U	-	-	0.056	U
	4-Methyl-2-pentanone	108-10-1	--	--	--	0.010	--	mg/kg	-	-	0.0068	U	0.019	U	-	-	0.022	U	-	-	0.067	U	-	-	0.056	U
	Acetone	67-64-1	19	--	70000	0.010	19	mg/kg	-	-	0.0093	J	0.071		-	-	0.14		-	-	0.59		-	-	0.27	
	Benzene	71-43-2	0.0094	2.2	3	0.005	0.0094	mg/kg	-	-	0.00034	U	0.00094	U	-	-	0.0011	U	-	-	0.0034	U	-	-	0.0028	U
	Bromochloromethane	74-97-5	--	--	--	n/a	--	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U
	Bromodichloromethane	75-27-4	0.005	--	11	0.0050	0.005	mg/kg	-	-	0.00034	U	0.00094	U	-	-	0.0011	U	-	-	0.0034	U	-	-	0.0028	U
	Bromoform	75-25-2	0.018	--	88	0.0050	0.018	mg/kg	-	-	0.0027	U	0.0075	U	-	-	0.0087	U	-	-	0.027	U	-	-	0.022	U
	Bromomethane	74-83-9	0.043	18	110	0.0050	0.043	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U
	Carbon disulfide	75-15-0	3.7	--	--	0.0050	3.7	mg/kg	-	-	0.0068	U	0.019	U	-	-	0.022	U	-	-	0.032	J	-	-	0.056	U
	Carbon tetrachloride	56-23-5	0.0075	1.4	7.6	0.0050	0.0075	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U
	Chlorobenzene	108-90-7	0.64	--	510	0.0050	0.64	mg/kg	-	-	0.00034	U	0.00094	U	-	-	0.0011	U	-	-	0.0034	U	-	-	0.0028	U
	Chloroethane	75-00-3	--	--	--	0.0050	--	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U
	Chloroform	67-66-3	0.33	590	780	0.0050	0.33	mg/kg	-	-	0.001	U	0.0028	U	-	-	0.00044	J	-	-	0.01	U	-	-	0.0083	U
	Chloromethane	74-87-3	--	270	--	0.0050	270	mg/kg	-	-	0.0027	U														

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS006		DS007		DS007		DS007		DS008		DS008		DS009		DS009		DS010		DS010		DS011		DS011		DS012			
SAMPLE ID							OCW_DRE_DS006_V C_S2		OCW_DRE_DS007_V C_S1		OCW_DRE_DS007_V C_S2		OCW_DRE_DS007_V C_S3		OCW_DRE_DS008_V C_A_S1		OCW_DRE_DS008_V C_A_S2		OCW_DRE_DS009_V C_B_S1		OCW_DRE_DS009_V C_B_S2		OCW_DRE_DS010_V C_C_S1		OCW_DRE_DS010_V C_C_S2		OCW_DRE_DS011_V C_B_S1		OCW_DRE_DS011_V C_B_S2		OCW_DRE_DS012_V C_S1			
SAMPLING DATE							5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/5/2022		5/5/2022		5/5/2022		5/5/2022		4/27/2022			
SAMPLE AREA (See Figure)							Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel			
SAMPLING PURPOSE							Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material			
LAB SAMPLE ID							L2223875-18		L2223875-15		L2223875-16		L2223875-23		L2223875-11		L2223875-12		L2223875-07		L2223875-08		L2223875-01		L2223875-02		L2223875-03		L2223875-04		L2222114-03			
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample			
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							6.2 - 6.7 ft.		0.0 - 2.7 ft.		2.7 - 6.8 ft.		6.8 - 7.3 ft.		0.0 - 3.5 ft.		3.5 - 4.0 ft.		0.0 - 4.0 ft.		4.0 - 4.5 ft.		0.0 - 3.8 ft.		3.8 - 4.3 ft.		0.0 - 3.0 ft.		3.0 - 3.5 ft.		0.0 - 3.0 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	trans-1,3-Dichloropropene (see sum	10061-02-6	0.0063	4.8	7	0.0050	0.0063	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U	-	-	0.0028	U	-	-	0.0024	U
	1,3-Dichloropropene (cis & trans)	Sum	0.0063	4.8	7	0.0050	0.0063	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U	-	-	0.0028	U	-	-	0.0024	U
	Trichloroethene	79-01-6	0.0065	3	15	0.0050	0.0065	mg/kg	-	-	0.00034	U	0.00094	U	-	-	0.0011	U	-	-	0.0034	U	-	-	0.0028	U	-	-	0.0014	U	-	-	0.0012	U
	Trichlorofluoromethane	75-69-4	29	--	23000	0.0050	29	mg/kg	-	-	0.0027	U	0.0075	U	-	-	0.0087	U	-	-	0.027	U	-	-	0.022	U	-	-	0.011	U	-	-	0.0094	U
	Vinyl chloride	75-01-4	0.0067	1.4	0.97	0.0050	0.0067	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U	-	-	0.0028	U	-	-	0.0024	U
Semivolatile Organics by GC/MS																																		
	1,2,4,5-Tetrachlorobenzene	95-94-3	--	--	23	0.17	23	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	2,3,4,6-Tetrachlorophenol	58-90-2	26	--	1900	0.17	26	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	2,4,5-Trichlorophenol	95-95-4	68	--	6300	0.20	68	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	2,4,6-Trichlorophenol	88-06-2	0.86	--	49	0.20	0.86	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	2,4-Dichlorophenol	120-83-2	0.19	--	190	0.17	0.19	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	2,4-Dimethylphenol	105-67-9	2.3	--	1300	0.17	2.3	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	2,4-Dinitrophenol	51-28-5	0.33	--	130	0.33	0.33	mg/kg	1.64	U	0.464	U	0.391	U	0.655	U	0.33	U	0.526	U	1.25	U	0.943	U	0.825	U	0.32	U	0.656	U	0.644	U	0.49	U
	2,4-Dinitrotoluene	121-14-2	0.27	--	0.8	0.17	0.27	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	2,6-Dinitrotoluene	606-20-2	0.27	--	0.8	0.17	0.27	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	2-Chloronaphthalene	91-58-7	--	--	4800	0.17	4800	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	2-Chlorophenol	95-57-8	0.76	--	390	0.17	0.76	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	2-Methylphenol	95-48-7	0.77	--	320	0.33	0.77	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	2-Nitroaniline	88-74-4	--	--	--	n/a	--	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	2-Nitrophenol	88-75-5	--	--	--	n/a	--	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	3,3'-Dichlorobenzidine	91-94-1	3.9	--	1.2	0.33	1.2	mg/kg	0.547	U	0.154	U	0.13	U	0.218	U	0.11	U	0.175	U	0.416	U	0.314	U	0.275	U	0.106	U	0.219	U	0.215	U	0.163	U
	3-Nitroaniline	99-09-2	--	--	--	n/a	--	mg/kg	0.547	U	0.154	U	0.13	U	0.218	U	0.11	U	0.175	U	0.416	U	0.314	U	0.275	U	0.106	U	0.219	U	0.215	U	0.163	U
	4,6-Dinitro-2-methylphenol	534-52-1	--	--	--	n/a	--	mg/kg	1.64	U	0.464	U	0.391	U	0.655	U	0.33	U	0.526	U	1.25	U	0.943	U	0.825	U	0.32	U	0.656	U	0.644	U	0.49	U
	4-Bromophenyl-phenylether	101-55-3	--	--	--	n/a	--	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	4-Chloroaniline	106-47-8	0.23	--	2.7	0.17	0.23	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	4-Chlorophenyl-phenylether	7005-72-3	--	--	--	n/a	--	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U	0.157	U	0.138	U	0.0533	U	0.109	U	0.107	U	0.0816	U
	4-Methylphenol	106-44-5	--	--	--	0.33	--	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0152	J	0.208	U	0.0453	J	0.108	J	0.00959	J	0.109	U	0.107	U	0.0816	U
	4-Nitroaniline	100-01-6	--	--	27	0.33	27	mg/kg	1.64	U	0.464	U	0.391	U	0.655	U	0.33	U	0.526	U	1.25	U	0.943	U	0.825	U	0.32	U	0.656	U	0.644	U	0.49	U
	4-Nitrophenol																																	

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS006		DS007		DS007		DS007		DS008		DS008		DS009		DS009		DS010		DS010		DS011		DS011		DS012		
SAMPLE ID								OCW_DRE_DS006_VC_S2		OCW_DRE_DS007_VC_S1		OCW_DRE_DS007_VC_S2		OCW_DRE_DS007_VC_S3		OCW_DRE_DS008_VCA_S1		OCW_DRE_DS008_VCA_S2		OCW_DRE_DS009_VCB_S1		OCW_DRE_DS009_VCB_S2		OCW_DRE_DS010_VCC_S1		OCW_DRE_DS010_VCC_S2		OCW_DRE_DS011_VCB_S1		OCW_DRE_DS011_VCB_S2		OCW_DRE_DS012_VCS_S1		
SAMPLING DATE								5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/5/2022		5/5/2022		5/5/2022		5/5/2022		4/27/2022		
SAMPLE AREA (See Figure)								Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		
SAMPLING PURPOSE								Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		
LAB SAMPLE ID								L2223875-18		L2223875-15		L2223875-16		L2223875-23		L2223875-11		L2223875-12		L2223875-07		L2223875-08		L2223875-01		L2223875-02		L2223875-03		L2223875-04		L2222114-03		
SAMPLE TYPE								Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		
SAMPLE MEDIA								Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
SAMPLE DEPTH (ft. below seabed)								6.2 - 6.7 ft.		0.0 - 2.7 ft.		2.7 - 6.8 ft.		6.8 - 7.3 ft.		0.0 - 3.5 ft.		3.5 - 4.0 ft.		0.0 - 4.0 ft.		4.0 - 4.5 ft.		0.0 - 3.8 ft.		3.8 - 4.3 ft.		0.0 - 3.0 ft.		3.0 - 3.5 ft.		0.0 - 3.0 ft.		
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	Acenaphthylene	208-96-8	--	--	--	n/a	--	mg/kg	0.107		0.00442	U	0.00344	J	0.0146		0.00508	J	0.0169		0.0146	J	0.0172	J	0.0237		0.00355	J	0.0141		0.0128		0.00887	J
	Anthracene	120-12-7	--	--	18000	0.17	18000	mg/kg	0.236		0.00442	U	0.00895		0.0434		0.0107		0.0396		0.0365		0.044		0.0492	J	0.0288		0.0327		0.0194			
	Benzo(a)anthracene	56-55-3	0.71	78000	5.1	0.17	0.71	mg/kg	1.1		0.00442	U	0.021		0.16		0.0442		0.131		0.0878		0.129		0.114		0.0133		0.069		0.0782		0.0517	
	Benzo(a)pyrene	50-32-8	--	3500	0.51	0.17	0.51	mg/kg	1.19		0.00488		0.0231		0.143		0.0429		0.15		0.0973		0.128		0.132		0.0157		0.0776		0.0771		0.0529	
	Benzo(b)fluoranthene	205-99-2	--	78000	5.1	0.17	5.1	mg/kg	1.18		0.00442	U	0.0299		0.174		0.0545		0.166		0.127		0.167		0.151		0.0191		0.098		0.109		0.0709	
	Benzo(g,h,i)perylene	191-24-2	--	--	--	n/a	--	mg/kg	0.735		0.0005	J	0.0169		0.095		0.0281		0.102		0.077		0.0982		0.102		0.0122		0.0668		0.0601		0.0468	
	Benzo(k)fluoranthene	207-08-9	--	780000	51	0.17	51	mg/kg	0.981		0.00442	U	0.0189		0.11		0.0359		0.119		0.0783		0.0939		0.107		0.012		0.0663		0.0618		0.045	
	Chrysene	218-01-9	--	--	510	0.17	510	mg/kg	1.26		0.00442	U	0.028		0.159		0.0553		0.17		0.121		0.135		0.146		0.0173		0.0857		0.0968		0.0616	
	Dibenz(a,h)anthracene	53-70-3	--	7800	0.51	0.17	0.51	mg/kg	0.19		0.00442	U	0.00382	J	0.023		0.00679		0.0248		0.0168	J	0.0211		0.0247		0.00297	J	0.0141		0.0149		0.0132	J
	Fluoranthene	206-44-0	--	--	2400	0.33	2400	mg/kg	2.75		0.00442	U	0.0728		0.466		0.1		0.399		0.281		0.339		0.304		0.033		0.197		0.2		0.13	
	Fluorene	86-73-7	--	--	2400	0.17	2400	mg/kg	0.181		0.00442	U	0.00835		0.0422		0.00884		0.0324		0.0277		0.0324		0.0304		0.0035	J	0.0192		0.0204		0.0122	J
	Indeno(1,2,3-cd)pyrene	193-39-5	--	78000	5.1	0.17	5.1	mg/kg	0.75		0.00442	U	0.0176		0.098		0.0296		0.102		0.0762		0.101		0.101		0.0116		0.0654		0.0607		0.0446	
	Naphthalene	91-20-3	19	5.7	2500	0.17	5.7	mg/kg	0.159		0.00823		0.00901		0.0328		0.0162		0.0351		0.0499		0.056		0.0663		0.01		0.0324		0.0702		0.0297	
	Phenanthrene	85-01-8	--	--	--	n/a	--	mg/kg	1.66		0.00442	U	0.0353		0.31		0.0515		0.243		0.137		0.2		0.152		0.015		0.0779		0.0981		0.0513	
	Pyrene	129-00-0	--	--	1800	0.17	1800	mg/kg	2.4		0.00442	U	0.0524		0.347		0.0727		0.302		0.206		0.267		0.238		0.0298		0.149		0.145		0.1	
Organochlorine Pesticides by GC																																		
	4,4'-DDD	72-54-8	0.47	--	2.3	0.0033	0.47	mg/kg	11.7		0.00044		0.184		4.58		0.256		3.31		0.51		1.24		0.249		0.0348		0.0742		0.12		0.0391	
	4,4'-DDE	72-55-9	0.47	--	2	0.0033	0.47	mg/kg	1.3		0.0004	P	0.0477		0.739		0.0622		0.552		0.215		0.337		0.133		0.0238		0.0447		0.0829		0.0306	
	4,4'-DDT	50-29-3	0.67	--	1.9	0.0033	0.67	mg/kg	4.26		0.00282		0.224		1.55		0.258		0.338		0.024		1.19		0.49		0.00176		0.394		0.0146		0.00707	
	Aldrin	309-00-2	0.13	--	0.041	0.0017	0.041	mg/kg	0.0404	U	0.00011	U	0.00095	U	0.0157	U	0.00078	U	0.0131	U	0.00301	U	0.00459	U	0.00207	U	0.00079	U	0.00165	U	0.00157	U	0.00024	U
	alpha-BHC	319-84-6	0.0023	--	0.086	0.0017	0.0023	mg/kg	0.0404	U	0.00011	U	0.00095	U	0.0157	U	0.00078	U	0.0131	U	0.00301	U	0.00459	U	0.00207	U	0.00079	U	0.00165	U	0.00157	U	0.00024	U
	beta-BHC	319-85-7	0.0046	--	0.3	0.0017	0.0046	mg/kg	0.0404	U	0.00011	U	0.00095	U	0.0157	U	0.00078	U	0.0131	U	0.00301	U	0.00459	U	0.00207	U	0.00079	U	0.00165	U	0.00157	U	0.00024	U
	delta-BHC	319-86-8	--	--	--	n/a	--	mg/kg	0.0404	U	0.00011	U	0.00095	U	0.0157	U	0.00078	U	0.0131	U	0.00301	U	0.00459	U	0.00207	U	0.00079	U	0.00165	U	0.00157	U	0.00024	U
	Dieldrin	60-57-1	0.024	--	0.034	0.0033	0.024	mg/kg	0.0404	U	0.00011	U	0.00095	U	0.0157	U	0.00078	U	0.0131	U	0.00301	U	0.00459	U	0.00207	U	0.00079	U	0.00165	U	0.00157	U	0.00031	IP
	Endosulfan I (see sum)	959-98-8	--	--	470	n/a	470	mg/kg	0.0404	U	0.00011	U	0.00095	U	0.0157	U	0.00078	U	0.0131	U	0.00301	U	0.00459	U	0.00207	U	0.00079	U	0.00165	U	0.00157	U	0.00024	U
	Endosulfan II (see sum)	33213-65-9	--	--	470	n/a	470																											

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS006		DS007		DS007		DS007		DS008		DS008		DS009		DS009		DS010		DS010		DS011		DS011		DS012			
SAMPLE ID							OCW_DRE_DS006_VC_S2		OCW_DRE_DS007_VC_S1		OCW_DRE_DS007_VC_S2		OCW_DRE_DS007_VC_S3		OCW_DRE_DS008_VCA_S1		OCW_DRE_DS008_VCA_S2		OCW_DRE_DS009_VCB_S1		OCW_DRE_DS009_VCB_S2		OCW_DRE_DS010_VCC_S1		OCW_DRE_DS010_VCC_S2		OCW_DRE_DS011_VCB_S1		OCW_DRE_DS011_VCB_S2		OCW_DRE_DS012_VC_S1			
SAMPLING DATE							5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/5/2022		5/5/2022		5/5/2022		5/5/2022		4/27/2022			
SAMPLE AREA (See Figure)							Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel			
SAMPLING PURPOSE							Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material			
LAB SAMPLE ID							L2223875-18		L2223875-15		L2223875-16		L2223875-23		L2223875-11		L2223875-12		L2223875-07		L2223875-08		L2223875-01		L2223875-02		L2223875-03		L2223875-04		L2222114-03			
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample			
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							6.2 - 6.7 ft.		0.0 - 2.7 ft.		2.7 - 6.8 ft.		6.8 - 7.3 ft.		0.0 - 3.5 ft.		3.5 - 4.0 ft.		0.0 - 4.0 ft.		4.0 - 4.5 ft.		0.0 - 3.8 ft.		3.8 - 4.3 ft.		0.0 - 3.0 ft.		3.0 - 3.5 ft.		0.0 - 3.0 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	Aroclor 1260	11096-82-5	--	--	--	n/a	--	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U	0.0451	U	0.0344	U	0.031	U	0.012	U	0.0248	U	0.0236	U	0.018	U
	Aroclor 1262	37324-23-5	--	--	--	n/a	--	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U	0.0451	U	0.0344	U	0.031	U	0.012	U	0.0248	U	0.0236	U	0.018	U
	Aroclor 1268	11100-14-4	--	--	--	n/a	--	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U	0.0451	U	0.0344	U	0.031	U	0.012	U	0.0248	U	0.0236	U	0.018	U
	PCBs, Total	1336-36-3	1.6	--	0.25	0.030	0.25	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U	0.0451	U	0.0344	U	0.031	U	0.012	U	0.0248	U	0.0236	U	0.018	U
Total Metals																																		
	Aluminum, Total	7429-90-5	--	--	78000	20	78000	mg/kg	26000		231		2450		4040		1950		6940		7000		10800		9460		3340		7780		8190		6090	
	Antimony, Total	7440-36-0	5.4	--	31	1.0	5.4	mg/kg	12.9	U	1.89	U	2.98	U	0.558	J	2.52	U	4.08	U	9.43	U	1.23	J	0.886	J	2.55	U	0.463	J	0.774	J	0.805	J
	Arsenic, Total	7440-38-2	19	1100	19	0.50	19	mg/kg	18.5		0.249	J	2.87		4.52		2.07		6.04		8.29		9.69		10.3		3.36		9.21		10.6		6.6	
	Barium, Total	7440-39-3	2100	870000	16000	5.0	2100	mg/kg	68.4		0.743	J	6.66		12.3		5.04		18.4		20		32.5		28.5		9.49		21.6		23		17.9	
	Beryllium, Total	7440-41-7	0.7	2000	160	0.50	0.7	mg/kg	1.56	J	0.354	U	0.197	J	0.342	J	0.156	J	0.44	J	0.569	J	0.711	J	0.593	J	0.205	J	0.589	J	0.56	J	0.395	J
	Cadmium, Total	7440-43-9	1.9	2600	71	0.50	1.9	mg/kg	4.58		0.032	J	0.986		2.84		0.861		1.23		1.93		2.06		1.31		0.265	J	1.2		1.15		0.86	
	Calcium, Total	7440-70-2	--	--	--	n/a	--	mg/kg	10700		157	J	2560		5800		1980		3390		5260		5880		4110		1460		3890		3850		2820	
	Chromium, Total	7440-47-3	--	--	--	n/a	--	mg/kg	106		1.02	J	10.5		18.1		7.91		30.1		32.9		54.2		44.6		13.2		35.7		37.8		29.8	
	Cobalt, Total	7440-48-4	90	520	23	0.50	23	mg/kg	20.3		0.154	J	3.14		5.18		2.34		6.25		7.23		9.49		8.18		2.49		8		7.83		5.54	
	Copper, Total	7440-50-8	910	--	3100	1.0	910	mg/kg	98		0.664	J	13.4		24.4		13.2		28.7		36.1		51.8		39.4		8.26		34		34.7		24.4	
	Iron, Total	7439-89-6	--	--	--	n/a	--	mg/kg	57900		428		5870		10600		4540		16300		16000		24300		20900		7310		18000		19200		13600	
	Lead, Total	7439-92-1	90	--	400	0.50	90	mg/kg	158		0.844		19.1		37.7		16.3		46.4		68.6		87.7		75		13.3		69.9		69.7		48	
	Magnesium, Total	7439-95-4	--	--	--	n/a	--	mg/kg	18800		313		2980		6740		2630		5580		9040		9390		7680		2340		6430		6480		5060	
	Manganese, Total	7439-96-5	--	87000	1900	0.50	1900	mg/kg	395		3.52		48.9		79.6		33.6		115		112		177		156		67.6		174		141		129	
	Mercury, Total	7439-97-6	0.1	520000	23	0.10	0.1	mg/kg	3.34		0.014	U	0.131		0.719		0.134		1.11		0.703		2.16		1.5		0.31		0.797		1.27		0.782	
	Nickel, Total	7440-02-0	48	20000	1600	0.50	48	mg/kg	59.5		0.482	J	7.36		15.5		5.5		20.3		28.3		23.8		6.95		19.2		21.4		14.7			
	Potassium, Total	7440-09-7	--	--	--	n/a	--	mg/kg	8410		131		967		1770		817		2420		3180		3680		3170		1050		2450		2630		2020	
	Selenium, Total	7782-49-2	11	--	390	2.5	11	mg/kg	6.23	J	2.36	U	3.72	U	6.5	U	3.16	U	5.1	U	11.8	U	9.08	U	7.85	U	3.19	U	6.47	U	2.61	J	4.77	U
	Silver, Total	7440-22-4	0.5	--	390	0.50	0.5	mg/kg	0.893	J	0.59	U	0.142	J	0.205	J	0.114	J	0.242	J	0.416	J	0.496	J	0.471	J	0.079	J	0.48	J	0.386	J	0.323	J
	Sodium, Total	7440-23-5	--	--	--	n/a	--	mg/kg	43800		1760		8460		19600		8570		14400		41600		28200		24100		5300		17900		17400		13300	
	Thallium, Total	7440-28-0	--	--	--	n/a	--	mg/kg	0.936	J	0.472	U	0.443	J	0.309	J	0.192	J	0.331	J	0.403	J	0.768	J	0.421	J	0.149	J	0.309	J	0.281	J	0.222	J
	Tin, Total	7440-31-5	--	--	--	n/a	--	mg/kg	9.97		1.42	U	1.7	J	2.22	J	1.05	J	2.94	J	4.22	J	6.45		5.31		1.24	J	4.18		4.49		3.46	
	Vanadium, Total	7440-62-2	--	170000	390	2.5	390	mg/kg	119		0.864	J	12.8		22.7		10.1		35.2		38.4		57.1		47.8		14.2		42.4		46.8		32.5	
	Zinc, Total	7440-66-6	930	--	23000	1.0	930	mg/kg	391		11.8	U	70.3		152		59.4		114		163		208		162		35.3		153		158		113	
Total Organic Carbon																																		
	Total Organic Carbon (Average)	7440-44-0	--	--	--	n/a	--	mg/kg	46100		704		26500		99800		54900		46300		91400		82000		62100		9120		47900		75800		36600	
	Total Organic Carbon (Rep1)	7440-44-0	--	--	--	n/a	--	mg/kg	42700		600		25600		93300		69900		48100		90800		84800		65000		8690		48500		71600		37500	
	Total Organic																																	

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS006		DS007		DS007		DS007		DS008		DS008		DS009		DS009		DS010		DS010		DS011		DS011		DS012		
SAMPLE ID								OCW_DRE_DS006_VC_S2		OCW_DRE_DS007_VC_S1		OCW_DRE_DS007_VC_S2		OCW_DRE_DS007_VC_S3		OCW_DRE_DS008_VCA_S1		OCW_DRE_DS008_VCA_S2		OCW_DRE_DS009_VCB_S1		OCW_DRE_DS009_VCB_S2		OCW_DRE_DS010_VCC_S1		OCW_DRE_DS010_VCC_S2		OCW_DRE_DS011_VCB_S1		OCW_DRE_DS011_VCB_S2		OCW_DRE_DS012_VC_S1		
SAMPLING DATE								5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/5/2022		5/5/2022		5/5/2022		5/5/2022		4/27/2022		
SAMPLE AREA (See Figure)								Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		
SAMPLING PURPOSE								Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		
LAB SAMPLE ID								L2223875-18		L2223875-15		L2223875-16		L2223875-23		L2223875-11		L2223875-12		L2223875-07		L2223875-08		L2223875-01		L2223875-02		L2223875-03		L2223875-04		L2222114-03		
SAMPLE TYPE								Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		
SAMPLE MEDIA						Criteria	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							6.2 - 6.7 ft.		0.0 - 2.7 ft.		2.7 - 6.8 ft.		6.8 - 7.3 ft.		0.0 - 3.5 ft.		3.5 - 4.0 ft.		0.0 - 4.0 ft.		4.0 - 4.5 ft.		0.0 - 3.8 ft.		3.8 - 4.3 ft.		0.0 - 3.0 ft.		3.0 - 3.5 ft.		0.0 - 3.0 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	1,2,3,6,7,8-HxCDD	57653-85-7	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000335	J
	1,2,3,6,7,8-HxCDF	57117-44-9	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000602	U
	1,2,3,7,8,9-HxCDD	19408-74-3	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000602	U
	1,2,3,7,8,9-HxCDF	72918-21-9	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000602	U
	1,2,3,7,8-PeCDD	40321-76-4	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000602	U
	1,2,3,7,8-PeCDF	57117-41-6	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000602	U
	2,3,4,6,7,8-HxCDF	60851-34-5	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000602	U
	2,3,4,7,8-PeCDF	57117-31-4	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000602	U
	2,3,7,8-TCDD	1746-01-6	0.0001	--	0.000051	0.0000010	0.000051	mg/kg	-	-	0.00000058	U	0.000000961	U	-	-	0.000000817	U	-	-	0.00000305	U	-	-	0.00000207	U	-	-	0.00000208	-	-	-	0.0000012	U
	2,3,7,8-TCDF	51207-31-9	--	--	--	n/a	--	mg/kg	-	-	0.00000058	U	0.000000961	U	-	-	0.000000653	J	-	-	0.00000305	U	-	-	0.00000688	-	-	-	0.0000016	U	-	-	0.0000052	-
	OCDD	3268-87-9	--	--	--	n/a	--	mg/kg	-	-	0.0000231	B	0.0000824	B	-	-	0.0000716	B	-	-	0.000493	B	-	-	0.000593	B	-	-	0.000369	B	-	-	0.000468	-
	OCDF	39001-02-0	--	--	--	n/a	--	mg/kg	-	-	0.0000058	U	0.00000961	U	-	-	0.0000125	B	-	-	0.0000305	U	-	-	0.0000207	U	-	-	0.000015	JB	-	-	0.0000473	-
	Total HpCDD	37871-00-4	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.000117	-	-	-	0.0000924	-	-	-	0.0000868	-
	Total HpCDF	38998-75-3	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000564	-	-	-	0.0000152	U	-	-	0.0000189	-	-	-	0.0000141	-	-	-	0.0000344	-
	Total HxCDD	34465-46-8	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.0000164	-	-	-	0.0000262	-
	Total HxCDF	55684-94-1	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000804	-
	Total PCDD	null	--	--	--	n/a	--	mg/kg	-	-	0.0000231	B	0.0000824	B	-	-	0.0000716	B	-	-	0.000493	B	-	-	0.00071	B	-	-	0.000482	B	-	-	0.000581	-
	Total PCDF	null	--	--	--	n/a	--	mg/kg	-	-	0.00000058	U	0.00000839	B	-	-	0.0000181	B	-	-	0.0000342	B	-	-	0.0000673	B	-	-	0.0000469	B	-	-	0.000125	-
	Total PeCDD	36088-22-9	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000602	U
	Total PeCDF	30402-15-4	--	--	--	n/a	--	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000602	U
	Total TCDD	41903-57-5	--	--	--	n/a	--	mg/kg	-	-	0.00000058	U	0.000000961	U	-	-	0.000000817	U	-	-	0.00000305	U	-	-	0.00000207	U	-	-	0.0000041	-	-	-	0.0000012	U
	Total TCDF	55722-27-5	--	--	--	n/a	--	mg/kg	-	-	0.00000058	U	0.00000839	-	-	-	0.000000817	U	-	-	0.0000342	-	-	-	0.0000484	-	-	-	0.0000328	-	-	-	0.0000348	-
	Toxic Equivalency (TEQ)	null	--	--	--	n/a	--	mg/kg	-	-	0.000000007	-	0.000000115	-	-	-	0.000000103	-	-	-	0.000000148	-	-	-	0.00000155	-	-	-	0.00000268	-	-	-	0.00000124	-

FOOTNOTES
Results Column = reported detected concentration or reporting limit (for non-detects).
NJ-MGW-SRS: New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-RI-SRS: New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-RID-SRS: New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
7:26D RL: NJDEP Soil Remediation Standards Reporting Limits from 7:26 D (last amended May 17, 2021).
NJ-Min. Minimum value of the three NJDEP Soil Remediation Standards
(used to compare against results; exceedances of this value are

Indications of Exceedance of "NJ MIN" Criteria (see above description)
Reporting Limit Exceeds: **ITAL** Blue italic text with light gray hatch lines.
Detected Result Exceeds: **BOLD** Bold black text with light yellow shading.
Highlighted Criteria: Gray highlight of criteria indicates one or more detected result (or reporting limit, for non-detect) exceeds the highlighted criteria.

Bold/Italic font in the criteria columns indicate that the criteria is equal to the minimum of those shown.

Qualifiers ("Qual" Column)
U - Analyte not detected at a concentration above the reporting detection limit (the value shown for non-detects)
B - Analyte detected above the reporting limit in an associated quality control blank.
J - Analyte positively identified; concentration estimated.

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS012		DS013		DS013		DS013		DS014		DS014		DS015		DS015		DS016		DS016		DS016		DS017		DS017		
SAMPLE ID								OCW_DRE_DS012_V C_S2		OCW_DRE_DS013_VCB_S1		OCW_DRE_DS013_VCB_S1D		OCW_DRE_DS013_VCB_S2		OCW_DRE_DS014_VCB_S1		OCW_DRE_DS014_VCB_S2		OCW_DRE_DS015_VCB_S1		OCW_DRE_DS015_VCB_S2		OCW_DRE_DS016_V C_S1		OCW_DRE_DS016_V C_S2		OCW_DRE_DS016_V C_S3		OCW_DRE_DS017_V C_S1		OCW_DRE_DS017_V C_S2		
SAMPLING DATE								4/27/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		4/26/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022		
SAMPLE AREA (See Figure)								Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		
SAMPLING PURPOSE								Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		
LAB SAMPLE ID								L2222114-04		L2223507-05		L2223507-06		L2223507-07		L2223507-03		L2223507-04		L2223507-08		L2223507-09		L2221764-01		L2221764-02		L2221764-07		L2221473-03		L2221473-04		
SAMPLE TYPE								Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		
SAMPLE MEDIA								Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
SAMPLE DEPTH (ft. below seabed)								3.0 - 3.5 ft.		0.0 - 1.1 ft.		0.0 - 1.1 ft.		1.1 - 1.6 ft.		0.0 - 0.7 ft.		0.7 - 1.2 ft.		0.0 - 1.3 ft.		1.3 - 1.8 ft.		0.0 - 4.0 ft.		7.4 - 7.7 ft.		4.0 - 7.4 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
Volatile Organics by 8260 (Prep Method EPA 5035)																																		
	1,1,1-Trichloroethane	71-55-6	0.2	--	160000	0.0050	0.2	mg/kg	-	-	0.00055	U	0.0016	U	-	-	0.00057	U	-	-	0.00075	U	-	-	0.00033	U	-	-	0.00041	U	0.00074	U	-	-
	1,1,2,2-Tetrachloroethane	79-34-5	0.0069	--	3.5	0.0050	0.0069	mg/kg	-	-	0.00055	U	0.0016	U	-	-	0.00057	U	-	-	0.00075	U	-	-	0.00033	U	-	-	0.00041	U	0.00074	U	-	-
	1,1,2-Trichloroethane	79-00-5	0.017	--	12	0.0050	0.017	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	-	-	0.00082	U	0.0015	U	-	-
	1,1-Dichloroethane	75-34-3	0.24	--	120	0.0050	0.24	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	-	-	0.00082	U	0.0015	U	-	-
	1,1-Dichloroethene	75-35-4	0.0069	52	11	0.0050	0.0069	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	-	-	0.00082	U	0.0015	U	-	-
	1,2,3-Trichlorobenzene	87-61-6	--	--	--	n/a	--	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	-	-	0.0016	U	0.003	U	-	-
	1,2,3-Trichloropropane	96-18-4	--	--	--	n/a	--	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	-	-	0.0016	U	0.003	U	-	-
	1,2,4-Trichlorobenzene	120-82-1	0.52	94	780	0.0050	0.52	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	-	-	0.0016	U	0.003	U	-	-
	1,2,4-Trimethylbenzene	95-63-6	--	--	780	0.076	780	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	-	-	0.0016	U	0.003	U	-	-
	1,2-Dibromo-3-chloropropane	96-12-8	0.005	0.026	0.87	0.0050	0.005	mg/kg	-	-	0.0033	U	0.0095	U	-	-	0.0034	U	-	-	0.0045	U	-	-	0.002	U	-	-	0.0024	U	0.0044	U	-	-
	1,2-Dibromoethane	106-93-4	0.005	0.085	0.35	0.0050	0.005	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	-	-	0.00082	U	0.0015	U	-	-
	1,2-Dichlorobenzene	95-50-1	11	--	6700	0.0050	11	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	-	-	0.0016	U	0.003	U	-	-
	1,2-Dichloroethane	107-06-2	0.0095	71	5.8	0.0050	0.0095	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	-	-	0.00082	U	0.0015	U	-	-
	1,2-Dichloropropane	78-87-5	0.0058	5.7	19	0.0050	0.0058	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	-	-	0.00082	U	0.0015	U	-	-
	1,3,5-Trimethylbenzene	108-67-8	--	--	--	n/a	--	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	-	-	0.0016	U	0.003	U	-	-
	1,3-Dichlorobenzene	541-73-1	11	--	6700	0.0050	11	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	-	-	0.0016	U	0.003	U	-	-
	1,4-Dichlorobenzene	106-46-7	1.4	--	780	0.0050	1.4	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	-	-	0.0016	U	0.003	U	-	-
	1,4-Dioxane	123-91-1	0.067	45	7	0.067	0.067	mg/kg	-	-	0.088	U	0.25	U	-	-	0.091	U	-	-	0.12	U	-	-	0.053	U	-	-	0.065	U	0.12	U	-	-
	2-Butanone	78-93-3	0.98	--	47000	0.010	0.98	mg/kg	-	-	0.0042	J	0.032	U	-	-	0.011	U	-	-	0.0059	J	-	-	0.0017	J	-	-	0.002	J	0.012	J	-	-
	2-Hexanone	591-78-6	0.15	1000	390	0.010	0.15	mg/kg	-	-	0.011	U	0.032	U	-	-	0.011	U	-	-	0.015	U	-	-	0.0066	U	-	-	0.0082	U	0.015	U	-	-
	4-Methyl-2-pentanone	108-10-1	--	--	--	0.010	--	mg/kg	-	-	0.011	U	0.032	U	-	-	0.011	U	-	-	0.015	U	-	-	0.0066	U	-	-	0.0082	U	0.015	U	-	-
	Acetone	67-64-1	19	--	70000	0.010	19	mg/kg	-	-	0.035		0.058	J	-	-	0.044		-	-	0.056		-	-	0.0089	J	-	-	0.013	J	0.064		-	-
	Benzene	71-43-2	0.0094	2.2	3	0.005	0.0094	mg/kg	-	-	0.00055	U	0.0016	U	-	-	0.00057	U	-	-	0.00075	U	-	-	0.00033	U	-	-	0.00041	U	0.00074	U	-	-
	Bromochloromethane	74-97-5	--	--	--	n/a	--	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	-	-	0.0016	U	0.003	U		

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS012		DS013		DS013		DS013		DS014		DS014		DS015		DS015		DS016		DS016		DS016		DS017		DS017			
SAMPLE ID							OCW_DRE_DS012_VC_S2		OCW_DRE_DS013_VCB_S1		OCW_DRE_DS013_VCB_S1D		OCW_DRE_DS013_VCB_S2		OCW_DRE_DS014_VCB_S1		OCW_DRE_DS014_VCB_S2		OCW_DRE_DS015_VCB_S1		OCW_DRE_DS015_VCB_S2		OCW_DRE_DS016_VC_S1		OCW_DRE_DS016_VC_S2		OCW_DRE_DS016_VC_S3		OCW_DRE_DS017_VC_S1		OCW_DRE_DS017_VC_S2			
SAMPLING DATE							4/27/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		4/26/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022			
SAMPLE AREA (See Figure)							Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.			
SAMPLING PURPOSE							Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain			
LAB SAMPLE ID							L2222114-04		L2223507-05		L2223507-06		L2223507-07		L2223507-03		L2223507-04		L2223507-08		L2223507-09		L2221764-01		L2221764-02		L2221764-07		L2221473-03		L2221473-04			
SAMPLE TYPE							Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample			
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							3.0 - 3.5 ft.		0.0 - 1.1 ft.		0.0 - 1.1 ft.		1.1 - 1.6 ft.		0.0 - 0.7 ft.		0.7 - 1.2 ft.		0.0 - 1.3 ft.		1.3 - 1.8 ft.		0.0 - 4.0 ft.		7.4 - 7.7 ft.		4.0 - 7.4 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	trans-1,3-Dichloropropene (see sum	10061-02-6	0.0063	4.8	7	0.0050	0.0063	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	-	-	0.00082	U	0.0015	U	-	-
	1,3-Dichloropropene (cis & trans)	Sum	0.0063	4.8	7	0.0050	0.0063	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	-	-	0.00082	U	0.0015	U	-	-
	Trichloroethene	79-01-6	0.0065	3	15	0.0050	0.0065	mg/kg	-	-	0.00055	U	0.0016	U	-	-	0.00057	U	-	-	0.00075	U	-	-	0.00033	U	-	-	0.00041	U	0.00074	U	-	-
	Trichlorofluoromethane	75-69-4	29	--	23000	0.0050	29	mg/kg	-	-	0.0044	U	0.013	U	-	-	0.0046	U	-	-	0.006	U	-	-	0.0026	U	-	-	0.0033	U	0.0059	U	-	-
	Vinyl chloride	75-01-4	0.0067	1.4	0.97	0.0050	0.0067	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	-	-	0.00082	U	0.0015	U	-	-
Semivolatile Organics by GC/MS																																		
	1,2,4,5-Tetrachlorobenzene	95-94-3	--	--	23	0.17	23	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	2,3,4,6-Tetrachlorophenol	58-90-2	26	--	1900	0.17	26	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	2,4,5-Trichlorophenol	95-95-4	68	--	6300	0.20	68	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	2,4,6-Trichlorophenol	88-06-2	0.86	--	49	0.20	0.86	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	2,4-Dichlorophenol	120-83-2	0.19	--	190	0.17	0.19	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	2,4-Dimethylphenol	105-67-9	2.3	--	1300	0.17	2.3	mg/kg	0.0218	J	0.0478	U	0.0522	U	0.017	J	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	2,4-Dinitrophenol	51-28-5	0.33	--	130	0.33	0.33	mg/kg	0.628	U	0.287	U	0.313	U	0.481	U	0.25	U	0.251	U	0.356	U	0.255	U	0.252	U	0.251	U	0.227	U	0.333	U	0.417	U
	2,4-Dinitrotoluene	121-14-2	0.27	--	0.8	0.17	0.27	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	2,6-Dinitrotoluene	606-20-2	0.27	--	0.8	0.17	0.27	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	2-Chloronaphthalene	91-58-7	--	--	4800	0.17	4800	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	2-Chlorophenol	95-57-8	0.76	--	390	0.17	0.76	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	2-Methylphenol	95-48-7	0.77	--	320	0.33	0.77	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	2-Nitroaniline	88-74-4	--	--	--	n/a	--	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	2-Nitrophenol	88-75-5	--	--	--	n/a	--	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	3,3'-Dichlorobenzidine	91-94-1	3.9	--	1.2	0.33	1.2	mg/kg	0.209	U	0.0956	U	0.104	U	0.16	U	0.0834	U	0.0836	U	0.118	U	0.085	U	0.0841	U	0.0838	U	0.0756	U	0.111	U	0.139	U
	3-Nitroaniline	99-09-2	--	--	--	n/a	--	mg/kg	0.209	U	0.0956	U	0.104	U	0.16	U	0.0834	U	0.0836	U	0.118	U	0.085	U	0.0841	U	0.0838	U	0.0756	U	0.111	U	0.139	U
	4,6-Dinitro-2-methylphenol	534-52-1	--	--	--	n/a	--	mg/kg	0.628	U	0.287	U	0.313	U	0.481	U	0.25	U	0.251	U	0.356	U	0.255	U	0.252	U	0.251	U	0.227	U	0.333	U	0.417	U
	4-Bromophenyl-phenylether	101-55-3	--	--	--	n/a	--	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	4-Chloroaniline	106-47-8	0.23	--	2.7	0.17	0.23	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	4-Chlorophenyl-phenylether	7005-72-3	--	--	--	n/a	--	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	4-Methylphenol	106-44-5	--	--	--	0.33	--	mg/kg	0.0844	J	0.0478	U	0.0522	U	0.0249	J	0.0417	U	0.0418	U	0.00806	J	0.0425	U	0.042	U	0.0419	U	0.0378	U	0.0554	U	0.0696	U
	4-Nitroaniline	100-01-6	--	--	27	0.33	27	mg/kg	0.628	U	0.287	U	0.313	U	0.481	U																		

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS012		DS013		DS013		DS013		DS014		DS014		DS015		DS015		DS016		DS016		DS016		DS017		DS017	
SAMPLE ID								OCW_DRE_DS012_VC_S2		OCW_DRE_DS013_VCB_S1		OCW_DRE_DS013_VCB_S1D		OCW_DRE_DS013_VCB_S2		OCW_DRE_DS014_VCB_S1		OCW_DRE_DS014_VCB_S2		OCW_DRE_DS015_VCB_S1		OCW_DRE_DS015_VCB_S2		OCW_DRE_DS016_VC_S1		OCW_DRE_DS016_VC_S2		OCW_DRE_DS016_VC_S3		OCW_DRE_DS017_VC_S1		OCW_DRE_DS017_VC_S2	
SAMPLING DATE								4/27/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		4/26/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022	
SAMPLE AREA (See Figure)								Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.	
SAMPLING PURPOSE								Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain	
LAB SAMPLE ID								L2222114-04		L2223507-05		L2223507-06		L2223507-07		L2223507-03		L2223507-04		L2223507-08		L2223507-09		L2221764-01		L2221764-02		L2221764-07		L2221473-03		L2221473-04	
SAMPLE TYPE								Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
SAMPLE MEDIA								Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
SAMPLE DEPTH (ft. below seabed)								3.0 - 3.5 ft.		0.0 - 1.1 ft.		0.0 - 1.1 ft.		1.1 - 1.6 ft.		0.0 - 0.7 ft.		0.7 - 1.2 ft.		0.0 - 1.3 ft.		1.3 - 1.8 ft.		0.0 - 4.0 ft.		7.4 - 7.7 ft.		4.0 - 7.4 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.	
Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Acenaphthylene	208-96-8	--	--	--	n/a	--	mg/kg	0.0218	J	0.00317	J	0.00513	J	0.00873	J	0.00078	J	0.00084	J	0.003	J	0.005	U	0.00037	J	0.00486	U	0.00424	U	0.00086	J	0.00845	U
Anthracene	120-12-7	--	--	18000	0.17	18000	mg/kg	0.0528		0.00582	J	0.00726		0.0212		0.00102	J	0.00088	J	0.00441	J	0.005	U	0.00065	J	0.00486	U	0.00424	U	0.00157	J	0.0014	J
Benzo(a)anthracene	56-55-3	0.71	78000	5.1	0.17	0.71	mg/kg	0.107		0.0122		0.0213		0.0364		0.00277	J	0.00335	J	0.0142		0.005	U	0.00142	J	0.00486	U	0.00424	U	0.00558	J	0.00845	U
Benzo(a)pyrene	50-32-8	--	3500	0.51	0.17	0.51	mg/kg	0.115		0.0148		0.024		0.0459		0.00279	J	0.00396	J	0.0162		0.005	U	0.00155	J	0.00486	U	0.00424	U	0.0042	J	0.00845	U
Benzo(b)fluoranthene	205-99-2	--	78000	5.1	0.17	5.1	mg/kg	0.143		0.0177		0.0286		0.0538		0.00345	J	0.00421	J	0.0206		0.005	U	0.00164	J	0.00486	U	0.00424	U	0.00451	J	0.00845	U
Benzo(g,h,i)perylene	191-24-2	--	--	--	n/a	--	mg/kg	0.0993		0.0126		0.0178		0.0384		0.00302	J	0.0035	J	0.0131		0.00117	J	0.00178	J	0.00486	U	0.00424	U	0.00331	J	0.00845	U
Benzo(k)fluoranthene	207-08-9	--	780000	51	0.17	51	mg/kg	0.0998		0.0128		0.0166		0.0357		0.00278	J	0.00331	J	0.0139		0.005	U	0.00172	J	0.00486	U	0.00424	U	0.00333	J	0.00845	U
Chrysene	218-01-9	--	--	510	0.17	510	mg/kg	0.128		0.0148		0.0229		0.0491		0.00253	J	0.00307	J	0.0184		0.00053	J	0.0016	J	0.00486	U	0.00424	U	0.00565	J	0.00168	J
Dibenz(a,h)anthracene	53-70-3	--	7800	0.51	0.17	0.51	mg/kg	0.0214	J	0.00343	J	0.0045	J	0.00863	J	0.00126	J	0.00081	J	0.00311	J	0.00082	J	0.00483	U	0.00486	U	0.00424	U	0.00667	U	0.00845	U
Fluoranthene	206-44-0	--	--	2400	0.33	2400	mg/kg	0.247		0.026		0.0435		0.0966		0.0037	J	0.00419	J	0.0304		0.00106	J	0.00218	J	0.00486	U	0.00424	U	0.00765		0.00365	J
Fluorene	86-73-7	--	--	2400	0.17	2400	mg/kg	0.027		0.00362	J	0.0036	J	0.0102		0.00074	J	0.00037	J	0.00334	J	0.005	U	0.00052	J	0.00486	U	0.00424	U	0.00106	J	0.00176	J
Indeno(1,2,3-cd)pyrene	193-39-5	--	78000	5.1	0.17	5.1	mg/kg	0.0949		0.0118		0.0188		0.0357		0.0028	J	0.00321	J	0.0127		0.005	U	0.00158	J	0.00486	U	0.00424	U	0.00239	J	0.00845	U
Naphthalene	91-20-3	19	5.7	2500	0.17	5.7	mg/kg	0.0651		0.0148		0.0175		0.0228		0.00626		0.00886		0.0162		0.00537		0.00277	J	0.00356	J	0.00239	J	0.00819		0.0154	
Phenanthrene	85-01-8	--	--	--	n/a	--	mg/kg	0.133		0.0116		0.0184		0.0528		0.00153	J	0.002	J	0.0121		0.00059	J	0.00142	J	0.00486	U	0.00424	U	0.004	J	0.00544	J
Pyrene	129-00-0	--	--	1800	0.17	1800	mg/kg	0.202		0.0228		0.0372		0.0788		0.00275	J	0.0038	J	0.0265		0.00065	J	0.00201	J	0.00486	U	0.00424	U	0.00898		0.00236	J
Organochlorine Pesticides by GC																																	
4,4'-DDD	72-54-8	0.47	--	2.3	0.0033	0.47	mg/kg	0.092		0.00728		0.00854		0.0297		0.00119	U	0.00122	U	0.0112		0.00014		0.00012	U	0.00011	U	0.00011	U	0.00011	U	0.00016	U
4,4'-DDE	72-55-9	0.47	--	2	0.0033	0.47	mg/kg	0.0895		0.00709		0.0074		0.049		0.00119	U	0.00122	U	0.00741		0.00031	P	0.00012	U	0.00011	U	0.00011	U	0.00011	U	0.00016	U
4,4'-DDT	50-29-3	0.67	--	1.9	0.0033	0.67	mg/kg	0.0498		0.00156	P	0.00175	P	0.0032	P	0.00119	U	0.00122	U	0.0629		0.00011	U	0.00012	U	0.00011	U	0.00011	U	0.00016	U	0.0002	U
Aldrin	309-00-2	0.13	--	0.041	0.0017	0.041	mg/kg	0.00298	U	0.00072	U	0.00074	U	0.00119	U	0.00119	U	0.00122	U	0.00084	U	0.00011	U	0.00012	U	0.00011	U	0.00011	U	0.00016	U	0.0002	U
alpha-BHC	319-84-6	0.0023	--	0.086	0.0017	0.0023	mg/kg	0.00298	U	0.00072	U	0.00074	U	0.00119	U	0.00119	U	0.00122	U	0.00084	U	0.00011	U	0.00012	U	0.00011	U	0.00011	U	0.00016	U	0.0002	U
beta-BHC	319-85-7	0.0046	--	0.3	0.0017	0.0046	mg/kg	0.00298	U	0.00072	U	0.00074	U	0.00119	U	0.00119	U	0.00122	U	0.00084	U	0.00011	U	0.00012	U	0.00011	U	0.00011	U	0.00016	U	0.0002	U
delta-BHC	319-86-8	--	--	--	n/a	--	mg/kg	0.00298	U	0.00072	U	0.00074	U	0.00119	U	0.00119	U	0.00122	U	0.00084	U	0.00011	U	0.00012	U	0.00011	U	0.00011	U	0.00016	U	0.0002	U
Dieldrin	60-57-1	0.024	--	0.034	0.0033	0.024	mg/kg	0.00298	U	0.00072	U	0.00074	U	0.00119	U	0.00119	U	0.00122	U	0.00084	U	0.00011	U	0.00012	U	0.00011	U	0.00011	U	0.00016	U	0.0002	U
Endosulfan I (see sum)	959-98-8	--	--	470	n/a	470	mg/kg	0.00298	U	0.00072	U	0.00074	U	0.00119	U	0.00119	U	0.00122	U	0.00084	U	0.00011	U	0.00012	U	0.00011	U	0.00011	U	0.00016	U	0.0002	U
Endosulfan II (see sum)	33213-65-9	--	--	470	n/a	470	mg/kg	0.00298	U	0.00072	U	0.00074	U	0.00119	U	0.00119	U	0.00122	U	0.00084	U	0.00011	U	0.00012	U	0.00011	U	0.00011	U	0.00016	U	0.0002	U
Sum of Endosulfan I & II	115-29-7	--	--	470	0.0033	470	mg/kg	0.00298	U	0.00072	U	0.00074	U	0.00119	U	0.00119	U	0.00122	U	0.00084	U	0.00011	U	0.00012	U	0.00011	U	0.00011	U	0.00016	U	0.0002	U
Endosulfan sulfate	1031-07-8	--	--	--	n/a	--	mg/kg	0.00298	U	0.00072	U	0.00074	U	0.00119	U	0.00119	U	0.00122	U	0.00084	U	0.00011	U	0.00012	U	0.00011	U	0.00011	U	0.00016	U	0.0002	U
Endrin	72-20-8	1.6	--	19	0.0033	1.6	mg/kg	0.00298	U	0.00072	U	0.00074	U	0.00119	U	0.00119	U	0.00122	U	0.00084	U	0.00011	U	0.00012	U	0.00011	U	0.00011	U	0.00016	U	0.0002	U
Endrin aldehyde	7421-93-4	--	--	--	n/a	--	mg/kg	0.00895	U	0.00216	U	0.00223	U	0.00356	U	0.00356																	

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS012		DS013		DS013		DS013		DS014		DS014		DS015		DS015		DS016		DS016		DS016		DS017		DS017			
SAMPLE ID							OCW_DRE_DS012_VC_S2		OCW_DRE_DS013_VCB_S1		OCW_DRE_DS013_VCB_S1D		OCW_DRE_DS013_VCB_S2		OCW_DRE_DS014_VCB_S1		OCW_DRE_DS014_VCB_S2		OCW_DRE_DS015_VCB_S1		OCW_DRE_DS015_VCB_S2		OCW_DRE_DS016_VC_S1		OCW_DRE_DS016_VC_S2		OCW_DRE_DS016_VC_S3		OCW_DRE_DS017_VC_S1		OCW_DRE_DS017_VC_S2			
SAMPLING DATE							4/27/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		4/26/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022			
SAMPLE AREA (See Figure)							Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.			
SAMPLING PURPOSE							Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain			
LAB SAMPLE ID							L2222114-04		L2223507-05		L2223507-06		L2223507-07		L2223507-03		L2223507-04		L2223507-08		L2223507-09		L2221764-01		L2221764-02		L2221764-07		L2221473-03		L2221473-04			
SAMPLE TYPE							Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample			
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							3.0 - 3.5 ft.		0.0 - 1.1 ft.		0.0 - 1.1 ft.		1.1 - 1.6 ft.		0.0 - 0.7 ft.		0.7 - 1.2 ft.		0.0 - 1.3 ft.		1.3 - 1.8 ft.		0.0 - 4.0 ft.		7.4 - 7.7 ft.		4.0 - 7.4 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	Aroclor 1260	11096-82-5	--	--	--	n/a	--	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00887	U	0.00852	U	0.0124	U	0.0152	U
	Aroclor 1262	37324-23-5	--	--	--	n/a	--	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00887	U	0.00852	U	0.0124	U	0.0152	U
	Aroclor 1268	11100-14-4	--	--	--	n/a	--	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00887	U	0.00852	U	0.0124	U	0.0152	U
	PCBs, Total	1336-36-3	1.6	--	0.25	0.030	0.25	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00887	U	0.00852	U	0.0124	U	0.0152	U
Total Metals																																		
	Aluminum, Total	7429-90-5	--	--	78000	20	78000	mg/kg	12500		3060		3100		6470		1090		1220		2650		1100		3860		13100		1080		11800		21500	
	Antimony, Total	7440-36-0	5.4	--	31	1.0	5.4	mg/kg	2.17	J	2.23	U	0.222	J	0.594	J	2	U	1.99	U	2.75	U	2	U	1.97	U	2.03	U	1.76	U	2.56	U	3.29	U
	Arsenic, Total	7440-38-2	19	1100	19	0.50	19	mg/kg	13.9		3.59		3.55		7.26		1.5		2.22		3.1		1.61		4.38		4		0.644		10		14.8	
	Barium, Total	7440-39-3	2100	870000	16000	5.0	2100	mg/kg	38.2		8.74		8.36		19.8		2.95	J	3.26	J	7.17		3.68	J	10.6		28.1		3.88		34.9		67.1	
	Beryllium, Total	7440-41-7	0.7	2000	160	0.50	0.7	mg/kg	0.87	J	0.213	J	0.213	J	0.474	J	0.374	U	0.372	U	0.198	J	0.375	U	0.181	J	0.509		0.331	U	0.499		0.979	
	Cadmium, Total	7440-43-9	1.9	2600	71	0.50	1.9	mg/kg	1.32		0.356		0.354		0.773		0.056	J	0.093	J	0.309	J	0.038	J	0.071	J	0.05	J	0.22	U	0.132	J	0.07	J
	Calcium, Total	7440-70-2	--	--	--	n/a	--	mg/kg	5690		1400		1340		2810		1150		602	J	1180		460	J	1310		602	J	114	J	3360		3430	
	Chromium, Total	7440-47-3	--	--	--	n/a	--	mg/kg	60.2		13.3		13		30.4		4.42		5.5		11.6		4.19		12		29.2		2.74		37.4		64.4	
	Cobalt, Total	7440-48-4	90	520	23	0.50	23	mg/kg	10.8		2.84		2.77		5.78		0.975		1.18		2.7		0.886		2.25		11.4		1.14		6.84		17.9	
	Copper, Total	7440-50-8	910	--	3100	1.0	910	mg/kg	54.6		11.6		11.1		25		3.05		3.36		9.72		1.19	J	3.77		9.92		0.718	J	10.3		16.5	
	Iron, Total	7439-89-6	--	--	--	n/a	--	mg/kg	28600		6880		6650		15000		2380		2890		6110		2450		7670		14700		1440		21500		47800	
	Lead, Total	7439-92-1	90	--	400	0.50	90	mg/kg	91.4		19		18.4		41.5		4.8		7.17		15.2		1.8		3.97		4.72		1.7		8.27		11.6	
	Magnesium, Total	7439-95-4	--	--	--	n/a	--	mg/kg	9000		2190		2230		4890		795		860		2030		744		2330		2880		310		6280		10700	
	Manganese, Total	7439-96-5	--	87000	1900	0.50	1900	mg/kg	247		71.4		76.7		134		19.6		26.1		66.2		21.4		66.5		70.8		10.5		173		310	
	Mercury, Total	7439-97-6	0.1	520000	23	0.10	0.1	mg/kg	3.22		0.386		0.463		1.29		0.027		0.06		0.449		0.005	J	0.016	J	0.028		0.008	J	0.027		0.021	J
	Nickel, Total	7440-02-0	48	20000	1600	0.50	48	mg/kg	28.9		7.4		7.31		17.6		2.3		2.65		6		2.27		6.49		19.5		1.63		19		36.6	
	Potassium, Total	7440-09-7	--	--	--	n/a	--	mg/kg	3820		862		856		1990		308		380		820		343		1000		1180		150		3210		5330	
	Selenium, Total	7782-49-2	11	--	390	2.5	11	mg/kg	2.85	J	2.78	U	3.05	U	4.71	U	2.5	U	2.48	U	3.44	U	2.5	U	1.76	J	3.54		2.2	U	4.48		7.62	
	Silver, Total	7440-22-4	0.5	--	390	0.50	0.5	mg/kg	0.64	J	0.132	J	0.14	J	0.285	J	0.624	U	0.621	U	0.117	J	0.625	U	0.616	U	0.634	U	0.551	U	0.801	U	1.03	U
	Sodium, Total	7440-23-5	--	--	--	n/a	--	mg/kg	16300		4680		4700		10900		2010		2000		5090		1790		2380		3080		1030		4830		6530	
	Thallium, Total	7440-28-0	--	--	--	n/a	--	mg/kg	0.324	J	0.136	J	0.236	J	0.315	J	0.142	J	0.107	J	0.138	J	0.073	J	0.102	J	0.112	J	0.133	J	0.314	J	0.388	J
	Tin, Total	7440-31-5	--	--	--	n/a	--	mg/kg	6.7		1.51	J	1.56	J	3.11		0.624	J	0.684	J	1.27	J	0.216	J	0.524	J	0.824	J	0.226	J	1.29	J	1.64	J
	Vanadium, Total	7440-62-2	--	170000	390	2.5	390	mg/kg	63.2		14.4		14.6		33.6		4.38		5.51		12.3		4.73		12		33.7		2.42		34.6		62.2	
	Zinc, Total	7440-66-6	930	--	23000	1.0	930	mg/kg	205		49.2		48.5		98		13.4		18		44.2		6.52	J	16.5		23.9		11	U	47.6		82.4	
Total Organic Carbon																																		
	Total Organic Carbon (Average)	7440-44-0	--	--	--	n/a	--	mg/kg	45100		11500		11600		22800		2790		3730		10400		2520		5900		1020		1550		15900		46600	
	Total Organic Carbon (Rep1)	7440-44-0	--	--	--	n/a	--	mg/kg	47100		11900		11800		25300		3060		4230		9650		2840		632									

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY

Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS012		DS013		DS013		DS013		DS014		DS014		DS015		DS015		DS016		DS016		DS016		DS017		DS017			
SAMPLE ID							OCW_DRE_DS012_VC_S2		OCW_DRE_DS013_VCB_S1		OCW_DRE_DS013_VCB_S1D		OCW_DRE_DS013_VCB_S2		OCW_DRE_DS014_VCB_S1		OCW_DRE_DS014_VCB_S2		OCW_DRE_DS015_VCB_S1		OCW_DRE_DS015_VCB_S2		OCW_DRE_DS016_VC_S1		OCW_DRE_DS016_VC_S2		OCW_DRE_DS016_VC_S3		OCW_DRE_DS017_VC_S1		OCW_DRE_DS017_VC_S2			
SAMPLING DATE							4/27/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		4/26/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022			
SAMPLE AREA (See Figure)							Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.			
SAMPLING PURPOSE							Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain			
LAB SAMPLE ID							L2222114-04		L2223507-05		L2223507-06		L2223507-07		L2223507-03		L2223507-04		L2223507-08		L2223507-09		L2221764-01		L2221764-02		L2221764-07		L2221473-03		L2221473-04			
SAMPLE TYPE							Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample			
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							3.0 - 3.5 ft.		0.0 - 1.1 ft.		0.0 - 1.1 ft.		1.1 - 1.6 ft.		0.0 - 0.7 ft.		0.7 - 1.2 ft.		0.0 - 1.3 ft.		1.3 - 1.8 ft.		0.0 - 4.0 ft.		7.4 - 7.7 ft.		4.0 - 7.4 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	1,2,3,6,7,8-HxCDD	57653-85-7	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.00000446	U	-	-	0.00000317	U	-	-	0.00000283	U	0.00000417	U	-	-
	1,2,3,6,7,8-HxCDF	57117-44-9	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.00000446	U	-	-	0.00000317	U	-	-	0.00000283	U	0.00000417	U	-	-
	1,2,3,7,8,9-HxCDD	19408-74-3	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.00000446	U	-	-	0.00000317	U	-	-	0.00000283	U	0.00000417	U	-	-
	1,2,3,7,8,9-HxCDF	72918-21-9	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.00000446	U	-	-	0.00000317	U	-	-	0.00000283	U	0.00000417	U	-	-
	1,2,3,7,8-PeCDD	40321-76-4	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.00000446	U	-	-	0.00000317	U	-	-	0.00000283	U	0.00000417	U	-	-
	1,2,3,7,8-PeCDF	57117-41-6	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.00000446	U	-	-	0.00000317	U	-	-	0.00000283	U	0.00000417	U	-	-
	2,3,4,6,7,8-HxCDF	60851-34-5	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.00000446	U	-	-	0.00000317	U	-	-	0.00000283	U	0.00000417	U	-	-
	2,3,4,7,8-PeCDF	57117-31-4	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.00000446	U	-	-	0.00000317	U	-	-	0.00000283	U	0.00000417	U	-	-
	2,3,7,8-TCDD	1746-01-6	0.0001	--	0.000051	0.0000010	0.000051	mg/kg	-	-	0.000000719	U	0.000000762	U	-	-	0.00000062	U	-	-	0.000000892	U	-	-	0.000000633	U	-	-	0.000000565	U	0.000000834	U	-	-
	2,3,7,8-TCDF	51207-31-9	--	--	--	n/a	--	mg/kg	-	-	0.00000102	U	0.000000762	U	-	-	0.00000062	U	-	-	0.00000139	U	-	-	0.000000633	U	-	-	0.000000565	U	0.000000834	U	-	-
	OCDD	3268-87-9	--	--	--	n/a	--	mg/kg	-	-	0.000134	U	0.0000913	U	-	-	0.0000693	U	-	-	0.000161	U	-	-	0.0000583	U	-	-	0.000121	U	0.000216	U	-	-
	OCDF	39001-02-0	--	--	--	n/a	--	mg/kg	-	-	0.00000963	U	0.0000104	U	-	-	0.0000101	U	-	-	0.00000892	U	-	-	0.00000633	U	-	-	0.00000565	U	0.00000834	U	-	-
	Total HpCDD	37871-00-4	--	--	--	n/a	--	mg/kg	-	-	0.0000116	U	0.00000732	U	-	-	0.00000641	U	-	-	0.0000302	U	-	-	0.00000804	U	-	-	0.000025	U	0.00004	U	-	-
	Total HpCDF	38998-75-3	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.00000457	U	-	-	0.00000317	U	-	-	0.00000283	U	0.00000417	U	-	-
	Total HxCDD	34465-46-8	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.0000109	U	-	-	0.0000037	U	-	-	0.0000341	U	0.0000191	U	-	-
	Total HxCDF	55684-94-1	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.00000446	U	-	-	0.00000317	U	-	-	0.00000283	U	0.00000417	U	-	-
	Total PCDD	null	--	--	--	n/a	--	mg/kg	-	-	0.000146	U	0.0000986	U	-	-	0.0000757	U	-	-	0.000202	U	-	-	0.00007	U	-	-	0.000194	U	0.000275	U	-	-
	Total PCDF	null	--	--	--	n/a	--	mg/kg	-	-	0.0000177	U	0.0000113	U	-	-	0.0000101	U	-	-	0.0000129	U	-	-	0.00000633	U	-	-	0.00000565	U	0.00000834	U	-	-
	Total PeCDD	36088-22-9	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.00000446	U	-	-	0.00000317	U	-	-	0.00000599	U	0.00000417	U	-	-
	Total PeCDF	30402-15-4	--	--	--	n/a	--	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.00000031	U	-	-	0.00000446	U	-	-	0.00000317	U	-	-	0.00000283	U	0.00000417	U	-	-
	Total TCDD	41903-57-5	--	--	--	n/a	--	mg/kg	-	-	0.000000877	U	0.000000762	U	-	-	0.00000062	U	-	-	0.000000892	U	-	-	0.000000633	U	-	-	0.00000084	U	0.00000834	U	-	-
	Total TCDF	55722-27-5	--	--	--	n/a	--	mg/kg	-	-	0.00000807	U	0.000000853	U	-	-	0.00000062	U	-	-	0.00000831	U	-	-	0.000000633	U	-	-	0.000000565	U	0.00000834	U	-	-
	Toxic Equivalency (TEQ)	null	--	--	--	n/a	--	mg/kg	-	-	0.000000146	U	0.000000104	U	-	-	0.000000024	U	-	-	0.000000306	U	-	-	0.000000018	U	-	-	0.000000077	U	0.00000017	U	-	-

FOOTNOTES

Results Column = reported detected concentration or reporting limit (for non-detects).

NJ-MGW-SRS: New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

NJ-RI-SRS: New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

NJ-RID-SRS: New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

7:26D RL: NJDEP Soil Remediation Standards Reporting Limits from 7:26 D (last amended May 17, 2021).

NJ-Min. Minimum value of the three NJDEP Soil Remediation Standards

(used to compare against results; exceedances of this value are

Reporting Limit Exceeds:	ITAL	Blue italic text with light gray hatch lines.
Detected Result Exceeds:	BOLD	Bold black text with light yellow shading.
Highlighted Criteria:		Gray highlight of criteria indicates one or more detected result (or reporting limit, for non-detect) exceeds the highlighted criteria.

Bold/Italic font in the criteria columns indicate that the criteria is equal to the minimum of those shown.

Qualifiers ("Qual" Column)

U - Analyte not detected at a concentration above the reporting detection limit (the value shown for non-detects)

B - Analyte detected above the reporting limit in an associated quality control blank.

J - Analyte positively identified; concentration estimated.

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS019		DS019		DS021		DS021		DS024		DS024		DS025		DS025		DS026		DS026		DS027		DS027		DS027		
SAMPLE ID								OCW_DRE_DS019_VC_S1		OCW_DRE_DS019_VC_S2		OCW_DRE_DS021_VC_S1		OCW_DRE_DS021_VC_S2		OCW_DRE_DS024_VC_S1		OCW_DRE_DS024_VC_S2		OCW_DRE_DS025_VC_S1		OCW_DRE_DS025_VC_S2		OCW_DRE_DS026_VC_S1		OCW_DRE_DS026_VC_S2		OCW_DRE_DS027_VC_S1		OCW_DRE_DS027_VC_S1D		OCW_DRE_DS027_VC_S2		
SAMPLING DATE								4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/27/2022		4/27/2022		5/2/2022		5/2/2022		5/2/2022		
SAMPLE AREA (See Figure)								Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		
SAMPLING PURPOSE								Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		
LAB SAMPLE ID								L2221473-05		L2221473-06		L2221764-03		L2221764-04		L2221473-07		L2221473-08		L2221764-05		L2221764-06		L2222114-01		L2222114-02		L2222671-06		L2222671-07		L2222671-08		
SAMPLE TYPE								Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		
SAMPLE MEDIA								Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
SAMPLE DEPTH (ft. below seabed)								0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 9.7 ft.		9.7 - 9.9 ft.		0.0 - 9.7 ft.		0.0 - 9.7 ft.		9.7 - 10.9 ft.		
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
Volatile Organics by 8260 (Prep Method EPA 5035)																																		
	1,1,1-Trichloroethane	71-55-6	0.2	--	160000	0.0050	0.2	mg/kg	0.00046	U	-	-	0.00073	U	-	-	0.00059	U	-	-	0.0011	U	-	-	0.0017	U	-	-	0.003	U	0.0018	U	-	-
	1,1,2,2-Tetrachloroethane	79-34-5	0.0069	--	3.5	0.0050	0.0069	mg/kg	0.00046	U	-	-	0.00073	U	-	-	0.00059	U	-	-	0.0011	U	-	-	0.0017	U	-	-	0.003	U	0.0018	U	-	-
	1,1,2-Trichloroethane	79-00-5	0.017	--	12	0.0050	0.017	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,1-Dichloroethane	75-34-3	0.24	--	120	0.0050	0.24	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,1-Dichloroethene	75-35-4	0.0069	52	11	0.0050	0.0069	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,2,3-Trichlorobenzene	87-61-6	--	--	--	n/a	--	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,2,3-Trichloropropane	96-18-4	--	--	--	n/a	--	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,2,4-Trichlorobenzene	120-82-1	0.52	94	780	0.0050	0.52	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,2,4-Trimethylbenzene	95-63-6	--	--	780	0.076	780	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,2-Dibromo-3-chloropropane	96-12-8	0.005	0.026	0.87	0.0050	0.005	mg/kg	0.0028	U	-	-	0.0044	U	-	-	0.0035	U	-	-	0.0066	U	-	-	0.01	U	-	-	0.018	U	0.011	U	-	-
	1,2-Dibromoethane	106-93-4	0.005	0.085	0.35	0.0050	0.005	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,2-Dichlorobenzene	95-50-1	11	--	6700	0.0050	11	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,2-Dichloroethane	107-06-2	0.0095	71	5.8	0.0050	0.0095	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,2-Dichloropropane	78-87-5	0.0058	5.7	19	0.0050	0.0058	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,3,5-Trimethylbenzene	108-67-8	--	--	--	n/a	--	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,3-Dichlorobenzene	541-73-1	11	--	6700	0.0050	11	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,4-Dichlorobenzene	106-46-7	1.4	--	780	0.0050	1.4	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,4-Dioxane	123-91-1	0.067	45	7	0.067	0.067	mg/kg	0.073	U	-	-	0.12	U	-	-	0.094	U	-	-	0.17	U	-	-	0.27	U	-	-	0.47	U	0.29	U	-	-
	2-Butanone	78-93-3	0.98	--	47000	0.010	0.98	mg/kg	0.0047	J	-	-	0.0063	J	-	-	0.0044	J	-	-	0.022	U	-	-	0.033	U	-	-	0.059	U	0.037	U	-	-
	2-Hexanone	591-78-6	0.15	1000	390	0.010	0.15	mg/kg	0.0092	U	-	-	0.014	U	-	-	0.012	U	-	-	0.022	U	-	-	0.033	U	-	-	0.059	U	0.037	U	-	-
	4-Methyl-2-pentanone	108-10-1	--	--	--	0.010	--	mg/kg	0.0092	U	-	-	0.014	U	-	-	0.012	U	-	-	0.022	U	-	-	0.033	U	-	-	0.059	U	0.037	U	-	-
	Acetone	67-64-1	19	--	70000	0.010	19	mg/kg	0.034	-	-	-	0.039	-	-	-	0.032	-	-	-	0.03	J	-	-	0.058	J	-	-	0.15	U	0.065	J	-	-
	Benzene	71-43-2	0.0094	2.2	3	0.005	0.0094	mg/kg	0.00046	U	-	-	0.00073	U	-	-	0.00059	U	-	-	0.0011	U	-	-	0.0017	U	-	-	0.003	U	0.0018	U	-	-
	Bromochloromethane	74-97-5	--	--	--	n/a	--	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	Bromodichloromethane	75-27-4	0.005	--	11	0.0050	0.005	mg/kg	0.00046	U	-	-	0.00073	U	-	-	0.00059	U	-	-	0.0011	U	-	-	0.0017	U	-	-	0.003	U	0.0018	U	-	-
	Bromoform	75-25-2	0.018	--	88	0.0050	0.018	mg/kg	0.0037	U	-	-	0.0058	U	-	-	0.0047	U	-	-	0.0087	U	-	-	0.013	U	-	-	0.024	U	0.015	U	-	-
	Bromomethane	74-83-9	0.043	18	110	0.0050	0.043	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	Carbon disulfide	75-15-0	3.7	--	--	0.0050	3.7	mg/kg	0.0066	J	-	-	0.012	J	-	-	0.018	-	-	-	0.03	-	-	-	0.024	J	-	-	0.059	U	0.023	J	-	-
	Carbon tetrachloride	56-23-5	0.0075	1.4	7.6	0.0050	0.0075	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	Chlorobenzene	108-90-7	0.64	--	510	0.0050	0.64	mg/kg	0.00046	U	-	-	0.00073	U	-	-	0.00059	U	-	-	0.0011	U	-	-	0.0017	U	-	-	0.003	U	0.0018	U	-	-
	Chloroethane	75-00-3	--	--	--	0.0050	--	mg/kg	0.0018	U	-	-	0.0029																					

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS019		DS019		DS021		DS021		DS024		DS024		DS025		DS025		DS026		DS026		DS027		DS027		DS027			
SAMPLE ID							OCW_DRE_DS019_VC_S1		OCW_DRE_DS019_VC_S2		OCW_DRE_DS021_VC_S1		OCW_DRE_DS021_VC_S2		OCW_DRE_DS024_VC_S1		OCW_DRE_DS024_VC_S2		OCW_DRE_DS025_VC_S1		OCW_DRE_DS025_VC_S2		OCW_DRE_DS026_VC_S1		OCW_DRE_DS026_VC_S2		OCW_DRE_DS027_VC_S1		OCW_DRE_DS027_VC_S1D		OCW_DRE_DS027_VC_S2			
SAMPLING DATE							4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/27/2022		4/27/2022		5/2/2022		5/2/2022		5/2/2022			
SAMPLE AREA (See Figure)							Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.			
SAMPLING PURPOSE							Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain			
LAB SAMPLE ID							L2221473-05		L2221473-06		L2221764-03		L2221764-04		L2221473-07		L2221473-08		L2221764-05		L2221764-06		L2222114-01		L2222114-02		L2222671-06		L2222671-07		L2222671-08			
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample			
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 9.7 ft.		9.7 - 9.9 ft.		0.0 - 9.7 ft.		0.0 - 9.7 ft.		9.7 - 10.0 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	trans-1,3-Dichloropropene (see sum	10061-02-6	0.0063	4.8	7	0.0050	0.0063	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,3-Dichloropropene (cis & trans)	Sum	0.0063	4.8	7	0.0050	0.0063	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	Trichloroethene	79-01-6	0.0065	3	15	0.0050	0.0065	mg/kg	0.00046	U	-	-	0.00073	U	-	-	0.00059	U	-	-	0.0011	U	-	-	0.0017	U	-	-	0.003	U	0.0018	U	-	-
	Trichlorofluoromethane	75-69-4	29	--	23000	0.0050	29	mg/kg	0.0037	U	-	-	0.0058	U	-	-	0.0047	U	-	-	0.0087	U	-	-	0.013	U	-	-	0.024	U	0.015	U	-	-
	Vinyl chloride	75-01-4	0.0067	1.4	0.97	0.0050	0.0067	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
Semivolatile Organics by GC/MS																																		
	1,2,4,5-Tetrachlorobenzene	95-94-3	--	--	23	0.17	23	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	2,3,4,6-Tetrachlorophenol	58-90-2	26	--	1900	0.17	26	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	2,4,5-Trichlorophenol	95-95-4	68	--	6300	0.20	68	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	2,4,6-Trichlorophenol	88-06-2	0.86	--	49	0.20	0.86	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	2,4-Dichlorophenol	120-83-2	0.19	--	190	0.17	0.19	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	2,4-Dimethylphenol	105-67-9	2.3	--	1300	0.17	2.3	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	2,4-Dinitrophenol	51-28-5	0.33	--	130	0.33	0.33	mg/kg	0.311	U	0.381	U	0.381	U	0.407	U	0.494	U	0.245	U	0.462	U	0.445	U	0.525	U	0.234	U	0.825	U	0.739	U	0.235	U
	2,4-Dinitrotoluene	121-14-2	0.27	--	0.8	0.17	0.27	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	2,6-Dinitrotoluene	606-20-2	0.27	--	0.8	0.17	0.27	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	2-Chloronaphthalene	91-58-7	--	--	4800	0.17	4800	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	2-Chlorophenol	95-57-8	0.76	--	390	0.17	0.76	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	2-Methylphenol	95-48-7	0.77	--	320	0.33	0.77	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	2-Nitroaniline	88-74-4	--	--	--	n/a	--	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	2-Nitrophenol	88-75-5	--	--	--	n/a	--	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	3,3'-Dichlorobenzidine	91-94-1	3.9	--	1.2	0.33	1.2	mg/kg	0.104	U	0.127	U	0.127	U	0.136	U	0.165	U	0.0815	U	0.154	U	0.148	U	0.175	U	0.0779	U	0.275	U	0.246	U	0.0782	U
	3-Nitroaniline	99-09-2	--	--	--	n/a	--	mg/kg	0.104	U	0.127	U	0.127	U	0.136	U	0.165	U	0.0815	U	0.154	U	0.148	U	0.175	U	0.0779	U	0.275	U	0.246	U	0.0782	U
	4,6-Dinitro-2-methylphenol	534-52-1	--	--	--	n/a	--	mg/kg	0.311	U	0.381	U	0.381	U	0.407	U	0.494	U	0.245	U	0.462	U	0.445	U	0.525	U	0.234	U	0.825	U	0.739	U	0.235	U
	4-Bromophenyl-phenylether	101-55-3	--	--	--	n/a	--	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	4-Chloroaniline	106-47-8	0.23	--	2.7	0.17	0.23	mg/kg	0.0119	J	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	4-Chlorophenyl-phenylether	7005-72-3	--	--	--	n/a	--	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	4-Methylphenol	106-44-5	--	--	--	0.33	--	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
	4-Nitroaniline	100-01-6	--	--	27	0.33	27	mg/kg	0.311	U	0.381	U	0.381	U	0.407	U	0.494	U></																

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS019		DS019		DS021		DS021		DS024		DS024		DS025		DS025		DS026		DS026		DS027		DS027		DS027			
SAMPLE ID							OCW_DRE_DS019_VC_S1		OCW_DRE_DS019_VC_S2		OCW_DRE_DS021_VC_S1		OCW_DRE_DS021_VC_S2		OCW_DRE_DS024_VC_S1		OCW_DRE_DS024_VC_S2		OCW_DRE_DS025_VC_S1		OCW_DRE_DS025_VC_S2		OCW_DRE_DS026_VC_S1		OCW_DRE_DS026_VC_S2		OCW_DRE_DS027_VC_S1		OCW_DRE_DS027_VC_S1D		OCW_DRE_DS027_VC_S2			
SAMPLING DATE							4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/27/2022		4/27/2022		5/2/2022		5/2/2022		5/2/2022			
SAMPLE AREA (See Figure)							Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.			
SAMPLING PURPOSE							Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain			
LAB SAMPLE ID							L2221473-05		L2221473-06		L2221764-03		L2221764-04		L2221473-07		L2221473-08		L2221764-05		L2221764-06		L2222114-01		L2222114-02		L2222671-06		L2222671-07		L2222671-08			
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample			
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 9.7 ft.		9.7 - 9.9 ft.		0.0 - 9.7 ft.		0.0 - 9.7 ft.		9.7 - 10.0 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	Acenaphthylene	208-96-8	--	--	--	n/a	--	mg/kg	0.00324	J	0.0073	U	0.00068	J	0.0077	U	0.00982	U	0.00463	U	0.00878	U	0.00863	U	0.0102	U	0.00466	U	0.0161	U	0.0144	U	0.00466	U
	Anthracene	120-12-7	--	--	18000	0.17	18000	mg/kg	0.00271	J	0.00099	J	0.00126	J	0.00148	J	0.00145	J	0.00463	U	0.00162	J	0.00304	J	0.0102	U	0.00466	U	0.002	J	0.00222	J	0.00466	U
	Benzo(a)anthracene	56-55-3	0.71	78000	5.1	0.17	0.71	mg/kg	0.00845		0.0073	U	0.00735	U	0.0077	U	0.00305	J	0.00463	U	0.00878	U	0.00863	U	0.0102	U	0.00466	U	0.0161	U	0.0144	U	0.00466	U
	Benzo(a)pyrene	50-32-8	--	3500	0.51	0.17	0.51	mg/kg	0.00986		0.0073	U	0.00211	J	0.0077	U	0.00211	J	0.00463	U	0.00878	U	0.00863	U	0.0102	U	0.00466	U	0.0161	U	0.0144	U	0.00466	U
	Benzo(b)fluoranthene	205-99-2	--	78000	5.1	0.17	5.1	mg/kg	0.00624		0.0073	U	0.00227	J	0.00182	J	0.00335	J	0.00463	U	0.00181	J	0.00224	J	0.0102	U	0.00466	U	0.0161	U	0.0144	U	0.00466	U
	Benzo(g,h,i)perylene	191-24-2	--	--	--	n/a	--	mg/kg	0.00686		0.0073	U	0.00188	J	0.00117	J	0.00982	U	0.00463	U	0.00109	J	0.00137	J	0.0102	U	0.00466	U	0.0161	U	0.0144	U	0.00466	U
	Benzo(k)fluoranthene	207-08-9	--	780000	51	0.17	51	mg/kg	0.00729		0.0073	U	0.00226	J	0.00102	J	0.00248	J	0.00463	U	0.00138	J	0.00106	J	0.0102	U	0.00466	U	0.0161	U	0.0144	U	0.00466	U
	Chrysene	218-01-9	--	--	510	0.17	510	mg/kg	0.00992		0.0016	J	0.00307	J	0.00286	J	0.00412	J	0.00463	U	0.00245	J	0.00269	J	0.00236	J	0.00466	U	0.00441	J	0.00599	J	0.00466	U
	Dibenz(a,h)anthracene	53-70-3	--	7800	0.51	0.17	0.51	mg/kg	0.00163	J	0.0073	U	0.00735	U	0.0077	U	0.00982	U	0.00463	U	0.00878	U	0.00863	U	0.0102	U	0.00466	U	0.0161	U	0.0144	U	0.00466	U
	Fluoranthene	206-44-0	--	--	2400	0.33	2400	mg/kg	0.00809		0.00374	J	0.00516	J	0.00481	J	0.0101		0.00463	U	0.00559	J	0.00759	J	0.00532	J	0.00466	U	0.00886	J	0.00999	J	0.00466	U
	Fluorene	86-73-7	--	--	2400	0.17	2400	mg/kg	0.00179	J	0.00161	J	0.00156	J	0.00241	J	0.00226	J	0.00042	J	0.00263	J	0.00355	J	0.0015	J	0.00466	U	0.00307	J	0.00311	J	0.00466	U
	Indeno(1,2,3-cd)pyrene	193-39-5	--	78000	5.1	0.17	5.1	mg/kg	0.00518	J	0.0073	U	0.00735	U	0.0077	U	0.00982	U	0.00463	U	0.00878	U	0.00863	U	0.0102	U	0.00466	U	0.0161	U	0.0144	U	0.00466	U
	Naphthalene	91-20-3	19	5.7	2500	0.17	5.7	mg/kg	0.0118		0.00544	J	0.00483	J	0.0271		0.00821	J	0.00332	J	0.0275		0.0249		0.0105		0.0073		0.0173		0.0179		0.00514	
	Phenanthrene	85-01-8	--	--	--	n/a	--	mg/kg	0.00492	J	0.00457	J	0.00382	J	0.00575	J	0.00778	J	0.00079	J	0.00762	J	0.00941		0.00514	J	0.00466	U	0.0093	J	0.00998	J	0.00466	U
	Pyrene	129-00-0	--	--	1800	0.17	1800	mg/kg	0.0115		0.00262	J	0.00391	J	0.00316	J	0.00902	J	0.00463	U	0.00477	J	0.00512	J	0.00315	J	0.00466	U	0.00641	J	0.00999	J	0.00466	U
Organochlorine Pesticides by GC																																		
	4,4'-DDD	72-54-8	0.47	--	2.3	0.0033	0.47	mg/kg	0.00015	U	0.00019	U	0.00018	U	0.00019	U	0.00024	U	0.00012	U	0.00021	U	0.00022	U	0.00025	U	0.00011	U	0.0004	U	0.00035	U	0.00011	U
	4,4'-DDE	72-55-9	0.47	--	2	0.0033	0.47	mg/kg	0.00015	U	0.00019	U	0.00018	U	0.00019	U	0.00024	U	0.00012	U	0.00021	U	0.00022	U	0.00025	U	0.00011	U	0.0004	U	0.00035	U	0.00011	U
	4,4'-DDT	50-29-3	0.67	--	1.9	0.0033	0.67	mg/kg	0.00015	U	0.00019	U	0.00018	U	0.00019	U	0.00024	U	0.00012	U	0.00021	U	0.00022	U	0.00025	U	0.00011	U	0.0004	U	0.00035	U	0.00011	U
	Aldrin	309-00-2	0.13	--	0.041	0.0017	0.041	mg/kg	0.00015	U	0.00019	U	0.00018	U	0.00019	U	0.00024	U	0.00012	U	0.00021	U	0.00022	U	0.00025	U	0.00011	U	0.0004	U	0.00035	U	0.00011	U
	alpha-BHC	319-84-6	0.0023	--	0.086	0.0017	0.0023	mg/kg	0.00015	U	0.00019	U	0.00018	U	0.00019	U	0.00024	U	0.00012	U	0.00021	U	0.00022	U	0.00025	U	0.00011	U	0.0004	U	0.00035	U	0.00011	U
	beta-BHC	319-85-7	0.0046	--	0.3	0.0017	0.0046	mg/kg	0.00015	U	0.00019	U	0.00018	U	0.00019	U	0.00024	U	0.00012	U	0.00021	U	0.00022	U	0.00025	U	0.00011	U	0.0004	U	0.00035	U	0.00011	U
	delta-BHC	319-86-8	--	--	--	n/a	--	mg/kg	0.00015	U	0.00019	U	0.00018	U	0.00019	U	0.00024	U	0.00012	U	0.00021	U	0.00022	U	0.00025	U	0.00011	U	0.0004	U	0.00035	U	0.00011	U
	Dieldrin	60-57-1	0.024	--	0.034	0.0033	0.024	mg/kg	0.00015	U	0.00019	U	0.00018	U	0.00019	U	0.00024	U	0.00012	U	0.00021	U	0.00022	U	0.00025	U	0.00011	U	0.0004	U	0.00035	U	0.00011	U
	Endosulfan I (see sum)	959-98-8	--	--	470	n/a	470	mg/kg	0.00015	U	0.00019	U	0.00018	U	0.00019	U	0.00024	U	0.00012	U	0.00021	U	0.00022	U	0.00025	U	0.00011	U	0.0004	U	0.00035	U	0.00011	U
	Endosulfan II (see sum)	33213-65-9	--	--	470	n/a	470	mg/kg	0.00015	U	0.00019	U	0.00018	U	0.00019	U	0.00024	U	0.00012	U	0.00021	U	0.00022	U	0.00025	U	0.00011	U	0.0004	U	0.00035	U	0.00011	U
	Sum of Endosulfan I & II	115-29-7	--	--	470	0.0033	470	mg/kg	0.00015	U	0.00019	U	0.00018	U	0.00019	U	0.00024	U	0.00012	U	0.00021	U	0.00022	U	0.00025	U	0.00011	U	0.0004	U	0.00035	U	0.00011	U
	Endosulfan sulfate	1031-07-8	--	--	--	n/a	--	mg/kg	0.00015	U	0.00019	U	0.00018	U	0.00019	U	0.00024	U	0.00012	U	0.00021	U	0.00022	U	0.00025	U	0.00011	U	0.0004	U	0.00035	U	0.00011	U
	Endrin	72-20-8	1.6	--	19	0.0033	1.6	mg/kg	0.00015	U	0.00019	U	0.00018	U	0																			

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS019		DS019		DS021		DS021		DS024		DS024		DS025		DS025		DS026		DS026		DS027		DS027		DS027			
SAMPLE ID							OCW_DRE_DS019_VC_S1		OCW_DRE_DS019_VC_S2		OCW_DRE_DS021_VC_S1		OCW_DRE_DS021_VC_S2		OCW_DRE_DS024_VC_S1		OCW_DRE_DS024_VC_S2		OCW_DRE_DS025_VC_S1		OCW_DRE_DS025_VC_S2		OCW_DRE_DS026_VC_S1		OCW_DRE_DS026_VC_S2		OCW_DRE_DS027_VC_S1		OCW_DRE_DS027_VC_S1D		OCW_DRE_DS027_VC_S2			
SAMPLING DATE							4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/27/2022		4/27/2022		5/2/2022		5/2/2022		5/2/2022			
SAMPLE AREA (See Figure)							Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.			
SAMPLING PURPOSE							Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain			
LAB SAMPLE ID							L2221473-05		L2221473-06		L2221764-03		L2221764-04		L2221473-07		L2221473-08		L2221764-05		L2221764-06		L2222114-01		L2222114-02		L2222671-06		L2222671-07		L2222671-08			
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample			
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 9.7 ft.		9.7 - 9.9 ft.		0.0 - 9.7 ft.		0.0 - 9.7 ft.		9.7 - 10.0 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	Aroclor 1260	11096-82-5	--	--	--	n/a	--	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
	Aroclor 1262	37324-23-5	--	--	--	n/a	--	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
	Aroclor 1268	11100-14-4	--	--	--	n/a	--	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
	PCBs, Total	1336-36-3	1.6	--	0.25	0.030	0.25	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
Total Metals																																		
	Aluminum, Total	7429-90-5	--	--	78000	20	78000	mg/kg	12900		21400		9770		18300		13500		535		15400		17600		6320		151		15400		9740		257	
	Antimony, Total	7440-36-0	5.4	--	31	1.0	5.4	mg/kg	2.48	U	3.04	U	2.94	U	3.22	U	3.85	U	1.87	U	3.63	U	3.52	U	4.2	U	0.192	J	6.6	U	5.81	U	1.81	U
	Arsenic, Total	7440-38-2	19	1100	19	0.50	19	mg/kg	11.3		14.6		7.76		9.39		6.17		0.737		11.6		16.1		1.68		0.574	U	6.38		3.89		0.353	J
	Barium, Total	7440-39-3	2100	870000	16000	5.0	2100	mg/kg	37.2		64.9		27.6		57.1		41.7		4.27		44.2		50.4		40.5		2.45	J	59.6		50.6		2.29	J
	Beryllium, Total	7440-41-7	0.7	2000	160	0.50	0.7	mg/kg	0.563		0.905		0.43	J	0.748		0.548	J	0.35	U	0.635	J	0.805		0.359	J	0.344	U	0.667	J	0.459	J	0.34	U
	Cadmium, Total	7440-43-9	1.9	2600	71	0.50	1.9	mg/kg	0.144	J	0.061	J	0.138	J	0.402	U	0.143	J	0.233	U	0.106	J	0.091	J	0.525	U	0.229	U	0.122	J	0.726	U	0.226	U
	Calcium, Total	7440-70-2	--	--	--	n/a	--	mg/kg	2960		2750		2610		2400		2340		120	J	2550		2660		1470		574	U	3280		2690		566	U
	Chromium, Total	7440-47-3	--	--	--	n/a	--	mg/kg	39.9		62.5		30		52.7		39.6		2.47		44.7		51.2		20.1		1.67	J	45.9		28		2.06	J
	Cobalt, Total	7440-48-4	90	520	23	0.50	23	mg/kg	7.07		15.3		5.15		11.4		6.42		0.076	J	8.54		13.7		2.53		0.574	U	6.94		3.34		0.076	J
	Copper, Total	7440-50-8	910	--	3100	1.0	910	mg/kg	11.7		15.4		10.6		12.7		13.6		0.227	J	12.6		13.7		5.14	J	2.29	U	13.5		6.21	J	2.26	U
	Iron, Total	7439-89-6	--	--	--	n/a	--	mg/kg	24100		47900		18400		29500		19500		2050		28100		33900		8940		421		26900		18800		1280	
	Lead, Total	7439-92-1	90	--	400	0.50	90	mg/kg	8.68		11.4		7.83		10.3		9.6		2.44		8.76		10.4		6.46		1.24		9.73		7.69		1.54	
	Magnesium, Total	7439-95-4	--	--	--	n/a	--	mg/kg	6930		9880		5200		8070		6080		114	J	7070		8360		2680		66.4	J	6540		4160		40.1	J
	Manganese, Total	7439-96-5	--	87000	1900	0.50	1900	mg/kg	197		280		141		203		134		3.99		168		225		45.8		1.65	J	112		71.1		4.69	
	Mercury, Total	7439-97-6	0.1	520000	23	0.10	0.1	mg/kg	0.03		0.022	J	0.029		0.02	J	0.035	J	0.006	J	0.023	J	0.024	J	0.031	J	0.014	U	0.058		0.066		0.014	U
	Nickel, Total	7440-02-0	48	20000	1600	0.50	48	mg/kg	20.6		36.8		15.4		28.5		19.1		0.323	J	24		29		7.92		0.425	J	21		10.7		0.616	J
	Potassium, Total	7440-09-7	--	--	--	n/a	--	mg/kg	3340		5160		2420		3990		3660		150		3750		4240		1440		34.7	J	3420		2020		21.9	J
	Selenium, Total	7782-49-2	11	--	390	2.5	11	mg/kg	4.88		7.24		4.43		6		4.71	J	2.33	U	5.89		7.01		5.25	U	2.29	U	8.25	U	7.26	U	2.26	U
	Silver, Total	7440-22-4	0.5	--	390	0.50	0.5	mg/kg	0.775	U	0.952	U	0.918	U	1	U	1.2	U	0.583	U	1.13	U	1.1	U	1.31	U	0.574	U	2.06	U	1.82	U	0.566	U
	Sodium, Total	7440-23-5	--	--	--	n/a	--	mg/kg	3400		2820		5070		2180		10100		434		7160		3870		4890		422		8320		6000		99.2	J
	Thallium, Total	7440-28-0	--	--	--	n/a	--	mg/kg	0.48	J	0.397	J	0.184	J	0.244	J	0.34	J	0.065	J	0.23	J	0.26	J	0.236	J	0.459	U	0.22	J	1.45	U	0.453	U
	Tin, Total	7440-31-5	--	--	--	n/a	--	mg/kg	1.02	J	1.55	J	0.99	J	1.18	J	1.64	J	0.361	J	1.18	J	1.47	J	0.408	J	0.316	J	3.11	J	1.11	J	1.36	U
	Vanadium, Total	7440-62-2	--	170000	390	2.5	390	mg/kg	37.1		60.1		30.6		49.3		38.4		3.64		43.6		52.7		18.1		0.801	J	43		26.6		0.729	J
	Zinc, Total	7440-66-6	930	--	23000	1.0	930	mg/kg	50		74.2		40.2		59.4		44.9		11.7	U	49		66.2		18	J	11.5	U	65.2		24.3	J	11.3	U
Total Organic Carbon																																		
	Total Organic Carbon (Average)	7440-44-0	--	--	--	n/a	--	mg/kg	15200		36600		31000		51100		8040		60000		52000		53400		56700		696		123000		106000		1130	
	Total Organic Carbon (Rep1)	7440-44-0	--	--	--	n/a	--	mg/kg	14900		35400		3																					

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS019		DS019		DS021		DS021		DS024		DS024		DS025		DS025		DS026		DS026		DS027		DS027		DS027			
SAMPLE ID								OCW_DRE_DS019_VC_S1		OCW_DRE_DS019_VC_S2		OCW_DRE_DS021_VC_S1		OCW_DRE_DS021_VC_S2		OCW_DRE_DS024_VC_S1		OCW_DRE_DS024_VC_S2		OCW_DRE_DS025_VC_S1		OCW_DRE_DS025_VC_S2		OCW_DRE_DS026_VC_S1		OCW_DRE_DS026_VC_S2		OCW_DRE_DS027_VC_S1		OCW_DRE_DS027_VC_S1D		OCW_DRE_DS027_VC_S2			
SAMPLING DATE								4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/27/2022		4/27/2022		5/2/2022		5/2/2022		5/2/2022			
SAMPLE AREA (See Figure)								Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.			
SAMPLING PURPOSE								Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain			
LAB SAMPLE ID								L2221473-05		L2221473-06		L2221764-03		L2221764-04		L2221473-07		L2221473-08		L2221764-05		L2221764-06		L2222114-01		L2222114-02		L2222671-06		L2222671-07		L2222671-08			
SAMPLE TYPE								Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample			
SAMPLE MEDIA								Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)								Criteria		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 9.7 ft.		9.7 - 9.9 ft.		0.0 - 9.7 ft.		0.0 - 9.7 ft.		9.7 - 10.0 ft.	
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual			
	1,2,3,6,7,8-HxCDD	57653-85-7	--	--	--	n/a	--	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.00000764	-	-	0.0000102	U	0.00000896	U	-	-		
	1,2,3,6,7,8-HxCDF	57117-44-9	--	--	--	n/a	--	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.00000634	U	-	-	0.0000102	U	0.00000896	U	-	-	
	1,2,3,7,8,9-HxCDD	19408-74-3	--	--	--	n/a	--	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.0000241	-	-	0.0000102	U	0.00000896	U	-	-		
	1,2,3,7,8,9-HxCDF	72918-21-9	--	--	--	n/a	--	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.00000634	U	-	-	0.0000102	U	0.00000896	U	-	-	
	1,2,3,7,8-PeCDD	40321-76-4	--	--	--	n/a	--	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.00000634	U	-	-	0.0000102	U	0.00000896	U	-	-	
	1,2,3,7,8-PeCDF	57117-41-6	--	--	--	n/a	--	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.00000634	U	-	-	0.0000102	U	0.00000896	U	-	-	
	2,3,4,6,7,8-HxCDF	60851-34-5	--	--	--	n/a	--	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.00000634	U	-	-	0.0000102	U	0.00000896	U	-	-	
	2,3,4,7,8-PeCDF	57117-31-4	--	--	--	n/a	--	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.00000634	U	-	-	0.0000102	U	0.00000896	U	-	-	
	2,3,7,8-TCDD	1746-01-6	0.0001	--	0.000051	0.0000010	0.000051	mg/kg	0.000000781	U	-	-	0.000000944	U	-	-	0.00000124	U	-	-	0.00000116	U	-	-	0.00000127	U	-	-	0.00000203	U	0.00000179	U	-	-	
	2,3,7,8-TCDF	51207-31-9	--	--	--	n/a	--	mg/kg	0.000000781	U	-	-	0.000000944	U	-	-	0.00000124	U	-	-	0.00000116	U	-	-	0.00000127	U	-	-	0.00000203	U	0.00000179	U	-	-	
	OCDD	3268-87-9	--	--	--	n/a	--	mg/kg	0.000325		-	-	0.000228		-	-	0.0000867		-	-	0.000291		-	-	0.00177		-	-	0.000202	B	0.000459	B	-	-	
	OCDF	39001-02-0	--	--	--	n/a	--	mg/kg	0.0000148		-	-	0.00000944	U	-	-	0.0000124	U	-	-	0.0000198		-	-	0.0000101		-	-	0.0000203	U	0.000008	JB	-	-	
	Total HpCDD	37871-00-4	--	--	--	n/a	--	mg/kg	0.0000551		-	-	0.0000361		-	-	0.0000111		-	-	0.0000472		-	-	0.0003		-	-	0.000039		0.000121		-	-	
	Total HpCDF	38998-75-3	--	--	--	n/a	--	mg/kg	0.00000612		-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.00000839		-	-	0.0000678		-	-	0.0000102	U	0.00000896	U	-	-	
	Total HxCDD	34465-46-8	--	--	--	n/a	--	mg/kg	0.0000227		-	-	0.0000156		-	-	0.00000618	U	-	-	0.0000152		-	-	0.000336		-	-	0.0000233		0.00014		-	-	
	Total HxCDF	55684-94-1	--	--	--	n/a	--	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.00000832		-	-	0.0000102	U	0.00000896	U	-	-	
	Total PCDD	null	--	--	--	n/a	--	mg/kg	0.000403		-	-	0.00028		-	-	0.0000978		-	-	0.000353		-	-	0.00244		-	-	0.000264	B	0.000725	B	-	-	
	Total PCDF	null	--	--	--	n/a	--	mg/kg	0.000022		-	-	0.00000108		-	-	0.00000124	U	-	-	0.0000296		-	-	0.000182		-	-	0.00000203	U	0.00000488	B	-	-	
	Total PeCDD	36088-22-9	--	--	--	n/a	--	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.0000311		-	-	0.0000102	U	0.00000896	U	-	-	
	Total PeCDF	30402-15-4	--	--	--	n/a	--	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.00000634	U	-	-	0.0000102	U	0.00000896	U	-	-	
	Total TCDD	41903-57-5	--	--	--	n/a	--	mg/kg	0.000000781	U	-	-	0.000000944	U	-	-	0.00000124	U	-	-	0.00000116	U	-	-	0.00000419		-	-	0.00000203	U	0.00000574		-	-	
	Total TCDF	55722-27-5	--	--	--	n/a	--	mg/kg	0.00000109		-	-	0.00000108		-	-	0.00000124	U	-	-	0.00000139		-	-	0.00000495		-	-	0.00000203	U	0.00000488		-	-	
	Toxic Equivalency (TEQ)	null	--	--	--	n/a	--	mg/kg	0.000000275		-	-	0.000000169		-	-	0.000000026		-	-	0.000000249		-	-	0.00000549		-	-	0.000000177		0.000000586		-	-	

FOOTNOTES
Results Column = reported detected concentration or reporting limit (for non-detects).
NJ-MGW-SRS: New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-RI-SRS: New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
NJ-RID-SRS: New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.
7:26D RL: NJDEP Soil Remediation Standards Reporting Limits from 7:26 D (last amended May 17, 2021).
NJ-Min. Minimum value of the three NJDEP Soil Remediation Standards
(used to compare against results; exceedances of this value are

Indications of Exceedance of "NJ MIN" Criteria (see above description)		
Reporting Limit Exceeds:	<i>ITAL</i>	Blue italic text with light gray hatch lines.
Detected Result Exceeds:	BOLD	Bold black text with light yellow shading.
Highlighted Criteria:		Gray highlight of criteria indicates one or more detected result (or reporting limit, for non-detect) exceeds the highlighted criteria.

Bold/Italic font in the criteria columns indicate that the criteria is equal to the minimum of those shown.

Qualifiers ("Qual" Column)
U - Analyte not detected at a concentration above the reporting detection limit (the value shown for non-detects)
B - Analyte detected above the reporting limit in an associated quality control blank.
J - Analyte positively identified; concentration estimated.

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS029		DS029		DS030		DS030		DS030		DS030		DS033		DS033		DS033		DS034		DS034		DS035		DS035		
SAMPLE ID								OCW_DRE_DS029_VC_S1		OCW_DRE_DS029_VC_S2		OCW_DRE_DS030_VC_S1		OCW_DRE_DS030_VC_S2		OCW_DRE_DS030_VC_S2D		OCW_DRE_DS030_VC_S3		OCW_DRE_DS033_VC_S1		OCW_DRE_DS033_VC_S2		OCW_DRE_DS033_VC_S3		OCW_DRE_DS034_VC_S1		OCW_DRE_DS034_VC_S2		OCW_DRE_DS035_VCB_S1		OCW_DRE_DS035_VCB_S2		
SAMPLING DATE								4/29/2022		4/29/2022		5/9/2022		5/9/2022		5/9/2022		5/9/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		
SAMPLE AREA (See Figure)								Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		
SAMPLING PURPOSE								Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		
LAB SAMPLE ID								L2222671-01		L2222671-02		L2224372-03		L2224372-04		L2224372-05		L2224372-06		L2216686-01		L2216686-02		L2216686-03		L2216686-04		L2216686-05		L2216686-06		L2216686-07		
SAMPLE TYPE								Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		
SAMPLE MEDIA								Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
SAMPLE DEPTH (ft. below seabed)								0.0 - 7.5 ft.		7.5 - 9.1 ft.		0.0 - 1.9 ft.		1.9 - 9.7 ft.		1.9 - 9.7 ft.		9.7 - 10.1 ft.		0.0 - 5.0 ft.		5.0 - 9.7 ft.		9.7 - 9.8 ft.		0.0 - 6.3 ft.		6.3 - 9.8 ft.		0.0 - 6.0 ft.		6.0 - 8.1 ft.		
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
Volatile Organics by 8260 (Prep Method EPA 5035)																																		
	1,1,1-Trichloroethane	71-55-6	0.2	--	160000	0.0050	0.2	mg/kg	0.00056	U	-	-	0.00047	U	0.00094	U	0.0011	U	-	-	0.0012	U	-	-	-	-	0.0004	U	-	-	0.00074	U	-	-
	1,1,2,2-Tetrachloroethane	79-34-5	0.0069	--	3.5	0.0050	0.0069	mg/kg	0.00056	U	-	-	0.00047	U	0.00094	U	0.0011	U	-	-	0.0012	U	-	-	-	-	0.0004	U	-	-	0.00074	U	-	-
	1,1,2-Trichloroethane	79-00-5	0.017	--	12	0.0050	0.017	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,1-Dichloroethane	75-34-3	0.24	--	120	0.0050	0.24	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,1-Dichloroethene	75-35-4	0.0069	52	11	0.0050	0.0069	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,2,3-Trichlorobenzene	87-61-6	--	--	--	n/a	--	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,2,3-Trichloropropane	96-18-4	--	--	--	n/a	--	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,2,4-Trichlorobenzene	120-82-1	0.52	94	780	0.0050	0.52	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,2,4-Trimethylbenzene	95-63-6	--	--	780	0.076	780	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,2-Dibromo-3-chloropropane	96-12-8	0.005	0.026	0.87	0.0050	0.005	mg/kg	0.0033	U	-	-	0.0028	U	0.0056	U	0.0066	U	-	-	0.0069	U	-	-	-	-	0.0024	U	-	-	0.0044	U	-	-
	1,2-Dibromoethane	106-93-4	0.005	0.085	0.35	0.0050	0.005	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,2-Dichlorobenzene	95-50-1	11	--	6700	0.0050	11	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,2-Dichloroethane	107-06-2	0.0095	71	5.8	0.0050	0.0095	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,2-Dichloropropane	78-87-5	0.0058	5.7	19	0.0050	0.0058	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,3,5-Trimethylbenzene	108-67-8	--	--	--	n/a	--	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,3-Dichlorobenzene	541-73-1	11	--	6700	0.0050	11	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,4-Dichlorobenzene	106-46-7	1.4	--	780	0.0050	1.4	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,4-Dioxane	123-91-1	0.067	45	7	0.067	0.067	mg/kg	0.089	U	-	-	0.075	U	0.15	U	0.18	U	-	-	0.18	U	-	-	-	-	0.063	U	-	-	0.12	U	-	-
	2-Butanone	78-93-3	0.98	--	47000	0.010	0.98	mg/kg	0.011	U	-	-	0.0093	U	0.0075	J	0.0079	J	-	-	0.023	U	-	-	-	-	0.0079	U	-	-	0.015	U	-	-
	2-Hexanone	591-78-6	0.15	1000	390	0.010	0.15	mg/kg	0.011	U	-	-	0.0093	U	0.019	U	0.022	U	-	-	0.023	U	-	-	-	-	0.0079	U	-	-	0.015	U	-	-
	4-Methyl-2-pentanone	108-10-1	--	--	--	0.010	--	mg/kg	0.011	U	-	-	0.0093	U	0.019	U	0.022	U	-	-	0.023	U	-	-	-	-	0.0079	U	-	-	0.015	U	-	-
	Acetone	67-64-1	19	--	70000	0.010	19	mg/kg	0.016	J	-	-	0.014	J	0.054		0.063		-	-	0.058	U	-	-	-	-	0.02	U	-	-	0.037	U	-	-
	Benzene	71-43-2	0.0094	2.2	3	0.005	0.0094	mg/kg	0.00056	U	-	-	0.00047	U	0.00094	U	0.0011	U	-	-	0.0012	U	-	-	-	-	0.0004	U	-	-	0.00074	U	-	-
	Bromochloromethane	74-97-5	--	--	--	n/a	--	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	Bromodichloromethane	75-27-4	0.005	--	11	0.0050	0.005	mg/kg	0.00056	U	-	-	0.00047	U	0.00094	U	0.0011	U	-	-	0.0012	U	-	-	-	-	0.0004	U	-	-	0.00074	U	-	-
	Bromoform	75-25-2	0.018	--	88	0.0050	0.018	mg/kg	0.0044	U	-	-	0.0037	U	0.0075	U	0.0088	U	-	-	0.0092	U	-	-	-	-	0.0032	U	-	-	0.0059	U	-	-
	Bromomethane	74-83-9	0.043	18	110	0.0050	0.043	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	Carbon disulfide	75-15-0	3.7	--	--	0.0050	3.7	mg/kg	0.011	U	-	-	0.0046	J	0.039		0.051		-	-	0.023	U	-	-	-	-	0.0079	U	-	-	0.015	U	-	-
	Carbon tetrachloride	56-23-5	0.0075	1.4	7.6	0.0050	0.0075	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	Chlorobenzene	108-90-7	0.64	--	510	0.0050	0.64	mg/kg	0.00056	U	-	-	0.00047	U	0.00094	U	0.0011	U	-	-	0.0012	U	-	-	-	-	0.0004	U	-	-	0.00074	U	-	-
	Chloroethane	75-00-3	--	--	--	0.0050	--	mg/kg	0.0022	U																								

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
 Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS029		DS029		DS030		DS030		DS030		DS030		DS033		DS033		DS033		DS034		DS034		DS035		DS035			
SAMPLE ID							OCW_DRE_DS029_VC_S1		OCW_DRE_DS029_VC_S2		OCW_DRE_DS030_VC_S1		OCW_DRE_DS030_VC_S2		OCW_DRE_DS030_VC_S2D		OCW_DRE_DS030_VC_S3		OCW_DRE_DS033_VC_S1		OCW_DRE_DS033_VC_S2		OCW_DRE_DS033_VC_S3		OCW_DRE_DS034_VC_S1		OCW_DRE_DS034_VC_S2		OCW_DRE_DS035_VCB_S1		OCW_DRE_DS035_VCB_S2			
SAMPLING DATE							4/29/2022		4/29/2022		5/9/2022		5/9/2022		5/9/2022		5/9/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022			
SAMPLE AREA (See Figure)							Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall			
SAMPLING PURPOSE							Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material			
LAB SAMPLE ID							L2222671-01		L2222671-02		L2224372-03		L2224372-04		L2224372-05		L2224372-06		L2216686-01		L2216686-02		L2216686-03		L2216686-04		L2216686-05		L2216686-06		L2216686-07			
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample			
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							0.0 - 7.5 ft.		7.5 - 9.1 ft.		0.0 - 1.9 ft.		1.9 - 9.7 ft.		1.9 - 9.7 ft.		9.7 - 10.1 ft.		0.0 - 5.0 ft.		5.0 - 9.7 ft.		9.7 - 9.8 ft.		0.0 - 6.3 ft.		6.3 - 9.8 ft.		0.0 - 6.0 ft.		6.0 - 8.1 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	trans-1,3-Dichloropropene (see sum	10061-02-6	0.0063	4.8	7	0.0050	0.0063	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,3-Dichloropropene (cis & trans)	Sum	0.0063	4.8	7	0.0050	0.0063	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	Trichloroethene	79-01-6	0.0065	3	15	0.0050	0.0065	mg/kg	0.00056	U	-	-	0.00047	U	0.00094	U	0.0011	U	-	-	0.0012	U	-	-	-	-	0.0004	U	-	-	0.00074	U	-	-
	Trichlorofluoromethane	75-69-4	29	--	23000	0.0050	29	mg/kg	0.0044	U	-	-	0.0037	U	0.0075	U	0.0088	U	-	-	0.0092	U	-	-	-	-	0.0032	U	-	-	0.0059	U	-	-
	Vinyl chloride	75-01-4	0.0067	1.4	0.97	0.0050	0.0067	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
Semivolatile Organics by GC/MS																																		
	1,2,4,5-Tetrachlorobenzene	95-94-3	--	--	23	0.17	23	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	2,3,4,6-Tetrachlorophenol	58-90-2	26	--	1900	0.17	26	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	2,4,5-Trichlorophenol	95-95-4	68	--	6300	0.20	68	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	2,4,6-Trichlorophenol	88-06-2	0.86	--	49	0.20	0.86	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	2,4-Dichlorophenol	120-83-2	0.19	--	190	0.17	0.19	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	2,4-Dimethylphenol	105-67-9	2.3	--	1300	0.17	2.3	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	2,4-Dinitrophenol	51-28-5	0.33	--	130	0.33	0.33	mg/kg	0.443	U	0.222	U	0.229	U	0.36	U	0.401	U	0.37	U	0.254	U	0.233	U	0.232	U	0.246	U	0.292	U	0.24	U	0.232	U
	2,4-Dinitrotoluene	121-14-2	0.27	--	0.8	0.17	0.27	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	2,6-Dinitrotoluene	606-20-2	0.27	--	0.8	0.17	0.27	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	2-Chloronaphthalene	91-58-7	--	--	4800	0.17	4800	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	2-Chlorophenol	95-57-8	0.76	--	390	0.17	0.76	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	2-Methylphenol	95-48-7	0.77	--	320	0.33	0.77	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	2-Nitroaniline	88-74-4	--	--	--	n/a	--	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	2-Nitrophenol	88-75-5	--	--	--	n/a	--	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	3,3'-Dichlorobenzidine	91-94-1	3.9	--	1.2	0.33	1.2	mg/kg	0.148	U	0.074	U	0.0762	U	0.12	U	0.134	U	0.123	U	0.0845	U	0.0777	U	0.0772	U	0.0821	U	0.0972	U	0.0799	U	0.0774	U
	3-Nitroaniline	99-09-2	--	--	--	n/a	--	mg/kg	0.148	U	0.074	U	0.0762	U	0.12	U	0.134	U	0.123	U	0.0845	U	0.0777	U	0.0772	U	0.0821	U	0.0972	U	0.0799	U	0.0774	U
	4,6-Dinitro-2-methylphenol	534-52-1	--	--	--	n/a	--	mg/kg	0.443	U	0.222	U	0.229	U	0.36	U	0.401	U	0.37	U	0.254	U	0.233	U	0.232	U	0.246	U	0.292	U	0.24	U	0.232	U
	4-Bromophenyl-phenylether	101-55-3	--	--	--	n/a	--	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	4-Chloroaniline	106-47-8	0.23	--	2.7	0.17	0.23	mg/kg	0.0738	U	0.00533	J	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	4-Chlorophenyl-phenylether	7005-72-3	--	--	--	n/a	--	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	4-Methylphenol	106-44-5	--	--	--	0.33	--	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U
	4-Nitroaniline	100-01-6	--	--	27	0.33	27	mg/kg	0.443	U	0.222	U	0.229	U	0.36	U	0.401																	

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS029		DS029		DS030		DS030		DS030		DS030		DS033		DS033		DS033		DS034		DS034		DS035		DS035			
SAMPLE ID								OCW_DRE_DS029_VC_S1		OCW_DRE_DS029_VC_S2		OCW_DRE_DS030_VC_S1		OCW_DRE_DS030_VC_S2		OCW_DRE_DS030_VC_S2D		OCW_DRE_DS030_VC_S3		OCW_DRE_DS033_VC_S1		OCW_DRE_DS033_VC_S2		OCW_DRE_DS033_VC_S3		OCW_DRE_DS034_VC_S1		OCW_DRE_DS034_VC_S2		OCW_DRE_DS035_VCB_S1		OCW_DRE_DS035_VCB_S2			
SAMPLING DATE								4/29/2022		4/29/2022		5/9/2022		5/9/2022		5/9/2022		5/9/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022			
SAMPLE AREA (See Figure)								Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall			
SAMPLING PURPOSE								Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material			
LAB SAMPLE ID								L2222671-01		L2222671-02		L2224372-03		L2224372-04		L2224372-05		L2224372-06		L2216686-01		L2216686-02		L2216686-03		L2216686-04		L2216686-05		L2216686-06		L2216686-07			
SAMPLE TYPE								Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
SAMPLE MEDIA								Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)								0.0 - 7.5 ft.		7.5 - 9.1 ft.		0.0 - 1.9 ft.		1.9 - 9.7 ft.		1.9 - 9.7 ft.		9.7 - 10.1 ft.		0.0 - 5.0 ft.		5.0 - 9.7 ft.		9.7 - 9.8 ft.		0.0 - 6.3 ft.		6.3 - 9.8 ft.		0.0 - 6.0 ft.		6.0 - 8.1 ft.			
Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
Acenaphthylene	208-96-8	--	--	--	n/a	--	mg/kg	0.00067	J	0.00442	U	0.0043	U	0.00723	U	0.00783	U	0.00051	J	0.00484	U	0.00434	U	0.00469	U	0.00458	U	0.00554	U	0.00046	J	0.00449	U		
Anthracene	120-12-7	--	--	18000	0.17	18000	mg/kg	0.00139	J	0.00442	U	0.0043	U	0.00723	U	0.00783	U	0.00738	U	0.00484	U	0.00434	U	0.00469	U	0.00089	J	0.00554	U	0.00472	U	0.00449	U		
Benzo(a)anthracene	56-55-3	0.71	78000	5.1	0.17	0.71	mg/kg	0.00359	J	0.00442	U	0.0043	U	0.00723	U	0.00783	U	0.00738	U	0.00484	U	0.00434	U	0.00469	U	0.00401	J	0.00554	U	0.00218	J	0.00449	U		
Benzo(a)pyrene	50-32-8	--	3500	0.51	0.17	0.51	mg/kg	0.00337	J	0.00442	U	0.00096	J	0.00723	U	0.00783	U	0.00738	U	0.00484	U	0.00434	U	0.00469	U	0.00278	J	0.00554	U	0.00189	J	0.00449	U		
Benzo(b)fluoranthene	205-99-2	--	78000	5.1	0.17	5.1	mg/kg	0.00446	J	0.00442	U	0.00107	J	0.00723	U	0.00092	J	0.00738	U	0.00484	U	0.00434	U	0.00469	U	0.00254	J	0.00059	J	0.00176	J	0.00449	U		
Benzo(g,h,i)perylene	191-24-2	--	--	--	n/a	--	mg/kg	0.0037	J	0.00442	U	0.00081	J	0.00723	U	0.00065	J	0.00738	U	0.00484	U	0.00434	U	0.00469	U	0.00176	J	0.00053	J	0.00131	J	0.00449	U		
Benzo(k)fluoranthene	207-08-9	--	780000	51	0.17	51	mg/kg	0.00388	J	0.00442	U	0.00093	J	0.00723	U	0.00783	U	0.00738	U	0.00484	U	0.00434	U	0.00469	U	0.00328	J	0.00106	J	0.00166	J	0.00449	U		
Chrysene	218-01-9	--	--	510	0.17	510	mg/kg	0.00476	J	0.00442	U	0.00087	J	0.00723	U	0.00102	J	0.00068	J	0.00044	J	0.00434	U	0.00469	U	0.00332	J	0.00079	J	0.00173	J	0.00449	U		
Dibenz(a,h)anthracene	53-70-3	--	7800	0.51	0.17	0.51	mg/kg	0.00138	J	0.00442	U	0.0043	U	0.00723	U	0.00783	U	0.00738	U	0.00484	U	0.00434	U	0.00469	U	0.00458	U	0.00554	U	0.00472	U	0.00449	U		
Fluoranthene	206-44-0	--	--	2400	0.33	2400	mg/kg	0.00836	J	0.00442	U	0.00188	J	0.00723	U	0.00268	J	0.00228	J	0.00484	U	0.00434	U	0.00469	U	0.00627	J	0.00113	J	0.00336	J	0.00449	U		
Fluorene	86-73-7	--	--	2400	0.17	2400	mg/kg	0.00181	J	0.00442	U	0.0043	U	0.00108	J	0.00216	J	0.00145	J	0.00484	U	0.00434	U	0.00469	U	0.00458	U	0.00069	J	0.00043	J	0.00449	U		
Indeno(1,2,3-cd)pyrene	193-39-5	--	78000	5.1	0.17	5.1	mg/kg	0.0033	J	0.00442	U	0.0043	U	0.00723	U	0.00783	U	0.00738	U	0.00484	U	0.00434	U	0.00469	U	0.00458	U	0.00554	U	0.00472	U	0.00449	U		
Naphthalene	91-20-3	19	5.7	2500	0.17	5.7	mg/kg	0.0144	U	0.0047	U	0.00119	J	0.00437	J	0.00293	J	0.00554	J	0.00447	J	0.00644	J	0.00575	J	0.0039	J	0.0127	J	0.00465	J	0.00644	J		
Phenanthrene	85-01-8	--	--	--	n/a	--	mg/kg	0.0061	J	0.00442	U	0.00053	J	0.00155	J	0.00288	J	0.00359	J	0.00065	J	0.00069	J	0.00469	U	0.00216	J	0.00108	J	0.00152	J	0.00449	U		
Pyrene	129-00-0	--	--	1800	0.17	1800	mg/kg	0.00672	J	0.00442	U	0.00194	J	0.00089	J	0.00174	J	0.00164	J	0.00067	J	0.00434	U	0.00469	U	0.00614	J	0.00074	J	0.00424	J	0.00449	U		
Organochlorine Pesticides by GC																																			
4,4'-DDD	72-54-8	0.47	--	2.3	0.0033	0.47	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0.00019	U	0.00012	U	0.00011	U	0.00011	U	0.00012	U	0.00014	U	0.00011	U	0.00011	U		
4,4'-DDE	72-55-9	0.47	--	2	0.0033	0.47	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0.00019	U	0.00012	U	0.00011	U	0.00011	U	0.00012	U	0.00014	U	0.00011	U	0.00011	U		
4,4'-DDT	50-29-3	0.67	--	1.9	0.0033	0.67	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0.00019	U	0.00012	U	0.00011	U	0.00011	U	0.00012	U	0.00014	U	0.00011	U	0.00011	U		
Aldrin	309-00-2	0.13	--	0.041	0.0017	0.041	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0.00019	U	0.00012	U	0.00011	U	0.00011	U	0.00012	U	0.00014	U	0.00011	U	0.00011	U		
alpha-BHC	319-84-6	0.0023	--	0.086	0.0017	0.0023	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0.00019	U	0.00012	U	0.00011	U	0.00011	U	0.00012	U	0.00014	U	0.00011	U	0.00011	U		
beta-BHC	319-85-7	0.0046	--	0.3	0.0017	0.0046	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0.00019	U	0.00012	U	0.00011	U	0.00011	U	0.00012	U	0.00014	U	0.00011	U	0.00011	U		
delta-BHC	319-86-8	--	--	--	n/a	--	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0.00019	U	0.00012	U	0.00011	U	0.00011	U	0.00012	U	0.00014	U	0.00011	U	0.00011	U		
Dieldrin	60-57-1	0.024	--	0.034	0.0033	0.024	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0.00019	U	0.00012	U	0.00011	U	0.00011	U	0.00012	U	0.00014	U	0.00011	U	0.00011	U		
Endosulfan I (see sum)	959-98-8	--	--	470	n/a	470	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0.00019	U	0.00012	U	0.00011	U	0.00011	U	0.00012	U	0.00014	U	0.00011	U	0.00011	U		
Endosulfan II (see sum)	33213-65-9	--	--	470	n/a	470	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0.00019	U	0.00012	U	0.00011	U	0.00011	U	0.00012	U	0.00014	U	0.00011	U	0.00011	U		
Sum of Endosulfan I & II	115-29-7	--	--	470	0.0033	470	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0.00019	U	0.00012	U	0.00011	U	0.00011	U	0.00012	U	0.00014	U	0.00011	U	0.00011	U		
Endosulfan sulfate	1031-07-8	--	--	--	n/a	--	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0.00019	U	0.00012	U	0.00011	U	0.00011	U	0.00012	U	0.00014	U	0.00011	U	0.00011	U		
Endrin	72-20-8	1.6	--	19	0.0033	1.6	mg/kg	0.00021	U	0.00011	U	0.0001	U	0.00017	U	0.00019	U	0																	

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS029		DS029		DS030		DS030		DS030		DS030		DS033		DS033		DS033		DS034		DS034		DS035		DS035			
SAMPLE ID							OCW_DRE_DS029_VC_S1		OCW_DRE_DS029_VC_S2		OCW_DRE_DS030_VC_S1		OCW_DRE_DS030_VC_S2		OCW_DRE_DS030_VC_S2D		OCW_DRE_DS030_VC_S3		OCW_DRE_DS033_VC_S1		OCW_DRE_DS033_VC_S2		OCW_DRE_DS033_VC_S3		OCW_DRE_DS034_VC_S1		OCW_DRE_DS034_VC_S2		OCW_DRE_DS035_VCB_S1		OCW_DRE_DS035_VCB_S2			
SAMPLING DATE							4/29/2022		4/29/2022		5/9/2022		5/9/2022		5/9/2022		5/9/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022			
SAMPLE AREA (See Figure)							Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall			
SAMPLING PURPOSE							Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material			
LAB SAMPLE ID							L2222671-01		L2222671-02		L2224372-03		L2224372-04		L2224372-05		L2224372-06		L2216686-01		L2216686-02		L2216686-03		L2216686-04		L2216686-05		L2216686-06		L2216686-07			
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample			
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)							0.0 - 7.5 ft.		7.5 - 9.1 ft.		0.0 - 1.9 ft.		1.9 - 9.7 ft.		1.9 - 9.7 ft.		9.7 - 10.1 ft.		0.0 - 5.0 ft.		5.0 - 9.7 ft.		9.7 - 9.8 ft.		0.0 - 6.3 ft.		6.3 - 9.8 ft.		0.0 - 6.0 ft.		6.0 - 8.1 ft.			
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	Aroclor 1260	11096-82-5	--	--	--	n/a	--	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
	Aroclor 1262	37324-23-5	--	--	--	n/a	--	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
	Aroclor 1268	11100-14-4	--	--	--	n/a	--	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
	PCBs, Total	1336-36-3	1.6	--	0.25	0.030	0.25	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
Total Metals																																		
	Aluminum, Total	7429-90-5	--	--	78000	20	78000	mg/kg	9330		30.9	J	323		14300		17500		16400		1450		906		637		3530		13600		1720		153	
	Antimony, Total	7440-36-0	5.4	--	31	1.0	5.4	mg/kg	3.44	U	1.77	U	1.82	U	2.85	U	3.17	U	2.97	U	1.97	U	1.83	U	1.83	U	1.94	U	2.33	U	1.84	U	1.77	U
	Arsenic, Total	7440-38-2	19	1100	19	0.50	19	mg/kg	6.92		0.552	U	0.657		10		8.73		9.47		1.88		1.93		1.38		2.48		8.85		1.86		0.196	J
	Barium, Total	7440-39-3	2100	870000	16000	5.0	2100	mg/kg	25.1		0.736	J	1.12	J	45.3		47.9		54.7		3.05	J	2.62	J	1.85	J	9.93		41		4.23		1.33	J
	Beryllium, Total	7440-41-7	0.7	2000	160	0.50	0.7	mg/kg	0.407	J	0.331	U	0.342	U	0.61		0.75		0.736		0.37	U	0.343	U	0.343	U	0.162	J	0.513		0.345	U	0.331	U
	Cadmium, Total	7440-43-9	1.9	2600	71	0.50	1.9	mg/kg	0.116	J	0.221	U	0.228	U	0.094	J	0.121	J	0.112	J	0.247	U	0.229	U	0.229	U	0.243	U	0.071	J	0.23	U	0.221	U
	Calcium, Total	7440-70-2	--	--	--	n/a	--	mg/kg	1820		552	U	209	J	2190		2850		2640		1820		416	J	315	J	1640		6600		2080		552	U
	Chromium, Total	7440-47-3	--	--	--	n/a	--	mg/kg	29.8		1.14	J	1.45	J	46.6		54.4		49.3		4.75		2.96		2.68		10.5		39.8		5.53		1.38	J
	Cobalt, Total	7440-48-4	90	520	23	0.50	23	mg/kg	6.49		0.552	U	0.205	J	8.73		8.48		9.72		1.28		1.01		0.819		2.52		9.32		1.36		0.105	J
	Copper, Total	7440-50-8	910	--	3100	1.0	910	mg/kg	9.17		2.21	U	1.17	J	14.4		13.9		15.3		1.13	J	0.514	J	0.326	J	2.74		11.4		1.36	J	2.21	U
	Iron, Total	7439-89-6	--	--	--	n/a	--	mg/kg	18100		368		892		26900		26100		30700		2860		2410		1740		6440		25800		3370		368	
	Lead, Total	7439-92-1	90	--	400	0.50	90	mg/kg	6.52		0.45	J	1.62		10		11.4		9.86		3.48		0.929		0.822		2.81		7.95		2.8		1.88	
	Magnesium, Total	7439-95-4	--	--	--	n/a	--	mg/kg	3770		17.8	J	260		7180		8130		7770		1180		546		401		2350		8320		1220		159	
	Manganese, Total	7439-96-5	--	87000	1900	0.50	1900	mg/kg	89.9		1.79	J	4.56		238		192		249		32.5		21.9		16.2		67.3		279		41.4		4.02	
	Mercury, Total	7439-97-6	0.1	520000	23	0.10	0.1	mg/kg	0.02	J	0.014	U	0.011	J	0.017	J	0.021	J	0.02	J	0.018		0.008	J	0.008	J	0.012	J	0.023		0.016	J	0.007	J
	Nickel, Total	7440-02-0	48	20000	1600	0.50	48	mg/kg	17		0.503	J	0.532	J	23.8		25.1		26.4		2.76		2.09		1.45		6.12		23.5		3		1.1	U
	Potassium, Total	7440-09-7	--	--	--	n/a	--	mg/kg	2150		110	U	101	J	3620		4270		3780		394		188		136		982		3450		444		72.4	J
	Selenium, Total	7782-49-2	11	--	390	2.5	11	mg/kg	4.31	U	2.21	U	2.28	U	2.1	J	2.31	J	2.24	J	2.47	U	2.29	U	2.29	U	2.43	U	2.07	J	2.3	U	2.21	U
	Silver, Total	7440-22-4	0.5	--	390	0.50	0.5	mg/kg	1.08	U	0.552	U	0.571	U	0.891	U	0.99	U	0.927	U	0.087	J	0.572	U	0.572	U	0.607	U	0.729	U	0.575	U	0.552	U
	Sodium, Total	7440-23-5	--	--	--	n/a	--	mg/kg	4560		84.2	J	1120		5240		6580		3340		2800		585		607		3220		4420		2040		1160	
	Thallium, Total	7440-28-0	--	--	--	n/a	--	mg/kg	0.153	J	0.442	U	0.456	U	0.211	J	0.238	J	0.437	J	0.104	J	0.458	U	0.457	U	0.073	J	0.197	J	0.46	U	0.442	U
	Tin, Total	7440-31-5	--	--	--	n/a	--	mg/kg	0.831	J	1.32	U	0.37	J	1.08	J	1.27	J	1.52	J	0.605	J	0.297	J	0.292	J	0.353	J	0.789	J	0.368	J	1.32	U
	Vanadium, Total	7440-62-2	--	170000	390	2.5	390	mg/kg	31.3		1.1	U	1.29		46		51.8		49.7		5.23		3.76		2.37		10.9		39		5.86		0.893	J
	Zinc, Total	7440-66-6	930	--	23000	1.0	930	mg/kg	37.5		11	U	5.43	J	55.7		56.8		63.9		9.54	J	4.42	J	3.27	J	14.3		49.9		9.34	J	11	U
Total Organic Carbon																																		
	Total Organic Carbon (Average)	7440-44-0	--	--	--	n/a	--	mg/kg	62600		914		2290		34500		34800		36700		2230		1020		500	U	2270		8470		1100		500	U
	Total Organic Carbon (Rep1)	7440-44-0	--	--	--	n/a																												

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS029		DS029		DS030		DS030		DS030		DS030		DS033		DS033		DS033		DS034		DS034		DS035		DS035			
SAMPLE ID								OCW_DRE_DS029_VC_S1		OCW_DRE_DS029_VC_S2		OCW_DRE_DS030_VC_S1		OCW_DRE_DS030_VC_S2		OCW_DRE_DS030_VC_S2D		OCW_DRE_DS030_VC_S3		OCW_DRE_DS033_VC_S1		OCW_DRE_DS033_VC_S2		OCW_DRE_DS033_VC_S3		OCW_DRE_DS034_VC_S1		OCW_DRE_DS034_VC_S2		OCW_DRE_DS035_VCB_S1		OCW_DRE_DS035_VCB_S2			
SAMPLING DATE								4/29/2022		4/29/2022		5/9/2022		5/9/2022		5/9/2022		5/9/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022			
SAMPLE AREA (See Figure)								Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall			
SAMPLING PURPOSE								Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material			
LAB SAMPLE ID								L2222671-01		L2222671-02		L2224372-03		L2224372-04		L2224372-05		L2224372-06		L2216686-01		L2216686-02		L2216686-03		L2216686-04		L2216686-05		L2216686-06		L2216686-07			
SAMPLE TYPE								Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample			
SAMPLE MEDIA								Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)								Criteria		0.0 - 7.5 ft.		7.5 - 9.1 ft.		0.0 - 1.9 ft.		1.9 - 9.7 ft.		1.9 - 9.7 ft.		9.7 - 10.1 ft.		0.0 - 5.0 ft.		5.0 - 9.7 ft.		9.7 - 9.8 ft.		0.0 - 6.3 ft.		6.3 - 9.8 ft.		0.0 - 6.0 ft.		6.0 - 8.1 ft.	
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual			
	1,2,3,6,7,8-HxCDD	57653-85-7	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.0000028	U	0.00000439	U	0.00000493	U	-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	1,2,3,6,7,8-HxCDF	57117-44-9	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.0000028	U	0.00000439	U	0.00000493	U	-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	1,2,3,7,8,9-HxCDD	19408-74-3	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.0000028	U	0.00000439	U	0.00000493	U	-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	1,2,3,7,8,9-HxCDF	72918-21-9	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.0000028	U	0.00000439	U	0.00000493	U	-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	1,2,3,7,8-PeCDD	40321-76-4	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.0000028	U	0.00000439	U	0.00000493	U	-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	1,2,3,7,8-PeCDF	57117-41-6	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.0000028	U	0.00000439	U	0.00000493	U	-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	2,3,4,6,7,8-HxCDF	60851-34-5	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.0000028	U	0.00000439	U	0.00000493	U	-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	2,3,4,7,8-PeCDF	57117-31-4	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.0000028	U	0.00000439	U	0.00000493	U	-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	2,3,7,8-TCDD	1746-01-6	0.0001	--	0.000051	0.0000010	0.000051	mg/kg	0.00000109	U	-	-	0.00000056	U	0.000000878	U	0.000000986	U	-	-	0.000000624	U	-	-	-	-	0.000000597	U	-	-	0.000000586	U	-	-	
	2,3,7,8-TCDF	51207-31-9	--	--	--	n/a	--	mg/kg	0.00000109	U	-	-	0.00000056	U	0.000000878	U	0.000000986	U	-	-	0.000000624	U	-	-	-	-	0.000000597	U	-	-	0.000000586	U	-	-	
	OCDD	3268-87-9	--	--	--	n/a	--	mg/kg	0.0000678	B	-	-	0.000108		0.0000853		0.000353		-	-	0.0000288		-	-	-	-	0.0000272		-	-	0.0000137		-	-	
	OCDF	39001-02-0	--	--	--	n/a	--	mg/kg	0.0000109	U	-	-	0.0000185		0.00000878	U	0.00000986	U	-	-	0.00000624	U	-	-	-	-	0.00000597	U	-	-	0.00000586	U	-	-	
	Total HpCDD	37871-00-4	--	--	--	n/a	--	mg/kg	0.00000933		-	-	0.0000162		0.0000162		0.0000644		-	-	0.00000317		-	-	-	-	0.00000375		-	-	0.00000293	U	-	-	
	Total HpCDF	38998-75-3	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.00000844		0.00000439	U	0.00000493	U	-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	Total HxCDD	34465-46-8	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.0000028	U	0.00000481		0.0000365		-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	Total HxCDF	55684-94-1	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.0000028	U	0.00000439	U	0.00000493	U	-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	Total PCDD	null	--	--	--	n/a	--	mg/kg	0.0000771	B	-	-	0.000124		0.000106		0.000454		-	-	0.000032		-	-	-	-	0.000031		-	-	0.0000137		-	-	
	Total PCDF	null	--	--	--	n/a	--	mg/kg	0.00000109	U	-	-	0.0000269		0.000000878	U	0.000000986	U	-	-	0.000000624	U	-	-	-	-	0.000000597	U	-	-	0.000000586	U	-	-	
	Total PeCDD	36088-22-9	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.0000028	U	0.00000439	U	0.00000493	U	-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	Total PeCDF	30402-15-4	--	--	--	n/a	--	mg/kg	0.00000547	U	-	-	0.0000028	U	0.00000439	U	0.00000493	U	-	-	0.00000312	U	-	-	-	-	0.00000298	U	-	-	0.00000293	U	-	-	
	Total TCDD	41903-57-5	--	--	--	n/a	--	mg/kg	0.00000109	U	-	-	0.00000056	U	0.000000878	U	0.000000986	U	-	-	0.000000624	U	-	-	-	-	0.000000597	U	-	-	0.000000586	U	-	-	
	Total TCDF	55722-27-5	--	--	--	n/a	--	mg/kg	0.00000109	U	-	-	0.00000056	U	0.000000878	U	0.000000986	U	-	-	0.000000624	U	-	-	-	-	0.000000597	U	-	-	0.000000586	U	-	-	
	Toxic Equivalency (TEQ)	null	--	--	--	n/a	--	mg/kg	0.000000078		-	-	0.000000145		0.000000075		0.000000295		-	-	0.000000009		-	-	-	-	0.000000008		-	-	0.000000004		-	-	

FOOTNOTES

Results Column = reported detected concentration or reporting limit (for non-detects).

NJ-MGW-SRS: New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

NJ-RI-SRS: New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

NJ-RID-SRS: New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

7:26D RL: NJDEP Soil Remediation Standards Reporting Limits from 7:26 D (last amended May 17, 2021).

NJ-Min: Minimum value of the three NJDEP Soil Remediation Standards

(used to compare against results; exceedances of this value are

Indications of Exceedance of "NJ MIN" Criteria (see above description)

Reporting Limit Exceeds:

ITAL

Blue italic text with light gray hatch lines.

Detected Result Exceeds:

BOLD

Bold black text with light yellow shading.

Highlighted Criteria: Gray highlight of criteria indicates one or more detected result (or reporting limit, for non-detect) exceeds the highlighted criteria.

Bold/Italic font in the criteria columns indicate that the criteria is equal to the minimum of those shown.

Qualifiers ("Qual" Column)

U - Analyte not detected at a concentration above the reporting detection limit (the value shown for non-detects)

B - Analyte detected above the reporting limit in an associated quality control blank.

J - Analyte positively identified; concentration estimated.

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS036		DS037		DS038		DS039		DS040		DS041	
SAMPLE ID							OCW_DRE_DS036_VCA_S1		OCW_DRE_DS037_VC_S1		OCW_DRE_DS038_VCB_S1		OCW_DRE_DS039_VC_S1		OCW_DRE_DS040_VC_S1		OCW_DRE_DS041_VC_S1	
SAMPLING DATE							5/9/2022		5/9/2022		5/9/2022		4/16/2022		4/25/2022		4/25/2022	
SAMPLE AREA (See Figure)							Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Barnegat Bay Cable Route		Barnegat Bay Cable Route		Barnegat Bay Cable Route	
SAMPLING PURPOSE							Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Cable Route		Cable Route		Cable Route	
LAB SAMPLE ID							L2224372-07		L2224372-08		L2224372-09		L2220658-01		L2221473-01		L2221473-02	
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
SAMPLE DEPTH (ft. below seabed)							0.0 - 3.2 ft.		0.0 - 3.3 ft.		0.0 - 4.6 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.	
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by 8260 (Prep Method EPA 5035)																		
	1,1,1-Trichloroethane	71-55-6	0.2	--	160000	0.0050	0.2	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-
	1,1,2,2-Tetrachloroethane	79-34-5	0.0069	--	3.5	0.0050	0.0069	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-
	1,1,2-Trichloroethane	79-00-5	0.017	--	12	0.0050	0.017	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	1,1-Dichloroethane	75-34-3	0.24	--	120	0.0050	0.24	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	1,1-Dichloroethene	75-35-4	0.0069	52	11	0.0050	0.0069	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	1,2,3-Trichlorobenzene	87-61-6	--	--	--	n/a	--	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	1,2,3-Trichloropropane	96-18-4	--	--	--	n/a	--	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	1,2,4-Trichlorobenzene	120-82-1	0.52	94	780	0.0050	0.52	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	1,2,4-Trimethylbenzene	95-63-6	--	--	780	0.076	780	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	1,2-Dibromo-3-chloropropane	96-12-8	0.005	0.026	0.87	0.0050	0.005	mg/kg	0.003	U	0.0041	U	0.0032	U	-	-	-	-
	1,2-Dibromoethane	106-93-4	0.005	0.085	0.35	0.0050	0.005	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	1,2-Dichlorobenzene	95-50-1	11	--	6700	0.0050	11	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	1,2-Dichloroethane	107-06-2	0.0095	71	5.8	0.0050	0.0095	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	1,2-Dichloropropane	78-87-5	0.0058	5.7	19	0.0050	0.0058	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	1,3,5-Trimethylbenzene	108-67-8	--	--	--	n/a	--	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	1,3-Dichlorobenzene	541-73-1	11	--	6700	0.0050	11	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	1,4-Dichlorobenzene	106-46-7	1.4	--	780	0.0050	1.4	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	1,4-Dioxane	123-91-1	0.067	45	7	0.067	0.067	mg/kg	0.079	U	0.11	U	0.086	U	-	-	-	-
	2-Butanone	78-93-3	0.98	--	47000	0.010	0.98	mg/kg	0.0099	U	0.014	U	0.011	U	-	-	-	-
	2-Hexanone	591-78-6	0.15	1000	390	0.010	0.15	mg/kg	0.0099	U	0.014	U	0.011	U	-	-	-	-
	4-Methyl-2-pentanone	108-10-1	--	--	--	0.010	--	mg/kg	0.0099	U	0.014	U	0.011	U	-	-	-	-
	Acetone	67-64-1	19	--	70000	0.010	19	mg/kg	0.025	U	0.022	J	0.027	U	-	-	-	-
	Benzene	71-43-2	0.0094	2.2	3	0.005	0.0094	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-
	Bromochloromethane	74-97-5	--	--	--	n/a	--	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	Bromodichloromethane	75-27-4	0.005	--	11	0.0050	0.005	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-
	Bromoform	75-25-2	0.018	--	88	0.0050	0.018	mg/kg	0.004	U	0.0055	U	0.0043	U	-	-	-	-
	Bromomethane	74-83-9	0.043	18	110	0.0050	0.043	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	Carbon disulfide	75-15-0	3.7	--	--	0.0050	3.7	mg/kg	0.0099	U	0.014	U	0.011	U	-	-	-	-
	Carbon tetrachloride	56-23-5	0.0075	1.4	7.6	0.0050	0.0075	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	Chlorobenzene	108-90-7	0.64	--	510	0.0050	0.64	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-
	Chloroethane	75-00-3	--	--	--	0.0050	--	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	Chloroform	67-66-3	0.33	590	780	0.0050	0.33	mg/kg	0.0015	U	0.0021	U	0.0016	U	-	-	-	-
	Chloromethane	74-87-3	--	270	--	0.0050	270	mg/kg	0.004	U	0.0055	U	0.0043	U	-	-	-	-
	cis-1,2-Dichloroethene	156-59-2	0.35	--	780	0.0050	0.35	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	Cyclohexane	110-82-7	--	--	--	0.0050	--	mg/kg	0.0099	U	0.014	U	0.011	U	-	-	-	-
	Dibromochloromethane	124-48-1	0.005	--	8.3	0.0050	0.005	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	Dichlorodifluoromethane	75-71-8	38	--	16000	0.0050	38	mg/kg	0.0099	U	0.014	U	0.011	U	-	-	-	-
	Ethylbenzene	100-41-4	15	10	7800	0.0050	10	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	Freon-113	76-13-1	--	--	--	0.0050	--	mg/kg	0.004	U	0.0055	U	0.0043	U	-	-	-	-
	Isopropylbenzene	98-82-8	22	--	7800	0.0050	22	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	Methyl Acetate	79-20-9	22	--	78000	0.0050	22	mg/kg	0.004	U	0.0055	U	0.0043	U	-	-	-	-
	Methyl cyclohexane	108-87-2	--	--	--	n/a	--	mg/kg	0.004	U	0.0055	U	0.0043	U	-	-	-	-
	Methyl tert butyl ether	1634-04-4	0.25	140	780	0.0050	0.25	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	Methylene chloride	75-09-2	0.013	1400	50	0.0050	0.013	mg/kg	0.005	U	0.0069	U	0.0054	U	-	-	-	-
	o-Xylene (see sum)	95-47-6	19	--	12000	n/a	19	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	p/m-Xylene (see sum)	179601-23-1	19	--	12000	n/a	19	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	Xylenes (sum of o-, m/p-)	1330-20-7	19	--	12000	0.0050	19	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-
	Styrene	100-42-5	2.1	--	16000	0.0050	2.1	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	Tert-Butyl Alcohol	75-65-0	0.32	--	1400	0.10	0.32	mg/kg	0.02	U	0.028	U	0.022	U	-	-	-	-
	Tetrachloroethene	127-18-4	0.0086	47	330	0.0050	0.0086	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-
	Toluene	108-88-3	7.8	--	6300	0.0050	7.8	mg/kg	0.0049		0.00098	J	0.0011	U	-	-	-	-
	trans-1,2-Dichloroethene	156-60-5	0.56	--	1300	0.0050	0.56	mg/kg	0.0015	U	0.0021	U	0.0016	U	-	-	-	-
	cis-1,3-Dichloropropene (see sum)	10061-01-5	0.0063	4.8	7	0.0050	0.0063	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS036		DS037		DS038		DS039		DS040		DS041	
SAMPLE ID							OCW_DRE_DS036_VCA_S1		OCW_DRE_DS037_VC_S1		OCW_DRE_DS038_VCB_S1		OCW_DRE_DS039_VC_S1		OCW_DRE_DS040_VC_S1		OCW_DRE_DS041_VC_S1	
SAMPLING DATE							5/9/2022		5/9/2022		5/9/2022		4/16/2022		4/25/2022		4/25/2022	
SAMPLE AREA (See Figure)							Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Barnegat Bay Cable Route		Barnegat Bay Cable Route		Barnegat Bay Cable Route	
SAMPLING PURPOSE							Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Cable Route		Cable Route		Cable Route	
LAB SAMPLE ID							L2224372-07		L2224372-08		L2224372-09		L2220658-01		L2221473-01		L2221473-02	
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
SAMPLE DEPTH (ft. below seabed)							0.0 - 3.2 ft.		0.0 - 3.3 ft.		0.0 - 4.6 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.	
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	trans-1,3-Dichloropropene (see sum	10061-02-6	0.0063	4.8	7	0.0050	0.0063	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	1,3-Dichloropropene (cis & trans)	Sum	0.0063	4.8	7	0.0050	0.0063	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
	Trichloroethene	79-01-6	0.0065	3	15	0.0050	0.0065	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-
	Trichlorofluoromethane	75-69-4	29	--	23000	0.0050	29	mg/kg	0.004	U	0.0055	U	0.0043	U	-	-	-	-
	Vinyl chloride	75-01-4	0.0067	1.4	0.97	0.0050	0.0067	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-
Semivolatile Organics by GC/MS																		
	1,2,4,5-Tetrachlorobenzene	95-94-3	--	--	23	0.17	23	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	2,3,4,6-Tetrachlorophenol	58-90-2	26	--	1900	0.17	26	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	2,4,5-Trichlorophenol	95-95-4	68	--	6300	0.20	68	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	2,4,6-Trichlorophenol	88-06-2	0.86	--	49	0.20	0.86	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	2,4-Dichlorophenol	120-83-2	0.19	--	190	0.17	0.19	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	2,4-Dimethylphenol	105-67-9	2.3	--	1300	0.17	2.3	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	2,4-Dinitrophenol	51-28-5	0.33	--	130	0.33	0.33	mg/kg	0.246	U	0.251	U	0.241	U	0.306	U	0.312	U
	2,4-Dinitrotoluene	121-14-2	0.27	--	0.8	0.17	0.27	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	2,6-Dinitrotoluene	606-20-2	0.27	--	0.8	0.17	0.27	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	2-Chloronaphthalene	91-58-7	--	--	4800	0.17	4800	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	2-Chlorophenol	95-57-8	0.76	--	390	0.17	0.76	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	2-Methylphenol	95-48-7	0.77	--	320	0.33	0.77	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	2-Nitroaniline	88-74-4	--	--	--	n/a	--	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	2-Nitrophenol	88-75-5	--	--	--	n/a	--	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	3,3'-Dichlorobenzidine	91-94-1	3.9	--	1.2	0.33	1.2	mg/kg	0.082	U	0.0837	U	0.0802	U	0.102	U	0.104	U
	3-Nitroaniline	99-09-2	--	--	--	n/a	--	mg/kg	0.082	U	0.0837	U	0.0802	U	0.102	U	0.104	U
	4,6-Dinitro-2-methylphenol	534-52-1	--	--	--	n/a	--	mg/kg	0.246	U	0.251	U	0.241	U	0.306	U	0.312	U
	4-Bromophenyl-phenylether	101-55-3	--	--	--	n/a	--	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	4-Chloroaniline	106-47-8	0.23	--	2.7	0.17	0.23	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	4-Chlorophenyl-phenylether	7005-72-3	--	--	--	n/a	--	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	4-Methylphenol	106-44-5	--	--	--	0.33	--	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	4-Nitroaniline	100-01-6	--	--	27	0.33	27	mg/kg	0.246	U	0.251	U	0.241	U	0.306	U	0.312	U
	4-Nitrophenol	100-02-7	--	--	--	n/a	--	mg/kg	0.681	U	0.695	U	0.666	U	0.847	U	0.862	U
	Acetophenone	98-86-2	3.6	--	7800	0.33	3.6	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Atrazine	1912-24-9	0.33	--	220	0.33	0.33	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Benzaldehyde	100-52-7	--	--	170	0.33	170	mg/kg	0.041	U	0.0419	U	0.0401	U	0.0149	J	0.0137	J
	Biphenyl	92-52-4	--	--	87	0.17	87	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	bis(2-Chloroethoxy)methane	111-91-1	--	--	190	0.17	190	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	bis(2-Chloroethyl)ether	111-44-4	0.33	--	0.63	0.33	0.33	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	bis(2-chloroisopropyl)ether	108-60-1	1.9	--	3100	0.33	1.9	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	bis(2-Ethylhexyl)phthalate	117-81-7	14	--	39	0.17	14	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Butylbenzylphthalate	85-68-7	29	--	290	0.17	29	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0168	J
	Caprolactam	105-60-2	16	290	32000	0.33	16	mg/kg	0.082	U	0.0837	U	0.0802	U	0.102	U	0.104	U
	Carbazole	86-74-8	--	--	--	n/a	--	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Dibenzofuran	132-64-9	--	--	--	n/a	--	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Diethylphthalate	84-66-2	44	--	51000	0.17	44	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Dimethylphthalate	131-11-3	--	--	--	n/a	--	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Di-n-butylphthalate	84-74-2	--	--	6300	0.17	6300	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Di-n-octylphthalate	117-84-0	--	--	630	0.33	630	mg/kg	0.082	U	0.0837	U	0.0802	U	0.102	U	0.104	U
	Hexachlorobenzene	118-74-1	0.17	--	0.43	0.17	0.17	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Hexachlorobutadiene	87-68-3	0.17	--	8.9	0.17	0.17	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Hexachlorocyclopentadiene	77-47-4	2.5	2.7	470	0.33	2.5	mg/kg	0.246	U	0.251	U	0.241	U	0.306	U	0.312	U
	Hexachloroethane	67-72-1	0.17	--	17	0.17	0.17	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Isophorone	78-59-1	0.23	--	570	0.17	0.23	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Nitrobenzene	98-95-3	0.17	7.5	160	0.17	0.17	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	N-Nitroso-di-n-propylamine	621-64-7	0.17	--	0.17	0.17	0.17	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	n-Nitrosodiphenylamine	86-30-6	1.1	--	110	0.17	1.1	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	p-Chloro-m-cresol	59-50-7	--	--	--	n/a	--	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Pentachlorophenol	87-86-5	0.33	--	1	0.33	0.33	mg/kg	0.246	U	0.251	U	0.241	U	0.306	U	0.312	U
	Phenol	108-95-2	21	39000	19000	0.33	21	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U
	Pyridine	110-86-1	--	--	--	n/a	--	mg/kg	0.164	U	0.167	U	0.16	U	0.204	U	0.208	U
PAHs by GC/MS-SIM																		
	1-Methylnaphthalene	90-12-0	--	--	--	n/a	--	mg/kg	0.0007	J	0.00129	J	0.00063	J	0.00162	J	0.00133	J
	2-Methylnaphthalene	91-57-6	3.1	--	240	0.17	3.1	mg/kg	0.00136	J	0.00171	J	0.00085	J	0.00331	J	0.00225	J
	Acenaphthene	83-32-9	--	--	3600	0.17	3600	mg/kg	0.00482	U	0.00074	J	0.00179	J	0.00597	U	0.00595	U

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Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID								DS036		DS037		DS038		DS039		DS040		DS041		
SAMPLE ID								OCW_DRE_DS036_VCA_S1		OCW_DRE_DS037_VC_S1		OCW_DRE_DS038_VCB_S1		OCW_DRE_DS039_VC_S1		OCW_DRE_DS040_VC_S1		OCW_DRE_DS041_VC_S1		
SAMPLING DATE								5/9/2022		5/9/2022		5/9/2022		4/16/2022		4/25/2022		4/25/2022		
SAMPLE AREA (See Figure)								Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Barnegat Bay Cable Route		Barnegat Bay Cable Route		Barnegat Bay Cable Route		
SAMPLING PURPOSE								Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Cable Route		Cable Route		Cable Route		
LAB SAMPLE ID								L2224372-07		L2224372-08		L2224372-09		L2220658-01		L2221473-01		L2221473-02		
SAMPLE TYPE								Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		
SAMPLE MEDIA							Criteria	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
SAMPLE DEPTH (ft. below seabed)								0.0 - 3.2 ft.		0.0 - 3.3 ft.		0.0 - 4.6 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.		
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	Acenaphthylene	208-96-8	--	--	--	n/a	--	mg/kg	0.00397	J	0.00409	J	0.00217	J	0.00266	J	0.00193	J	0.0047	U
	Anthracene	120-12-7	--	--	18000	0.17	18000	mg/kg	0.00276	J	0.0052		0.0053		0.00332	J	0.00163	J	0.0047	U
	Benzo(a)anthracene	56-55-3	0.71	78000	5.1	0.17	0.71	mg/kg	0.0137		0.0214		0.0184		0.00937		0.00307	J	0.0047	U
	Benzo(a)pyrene	50-32-8	--	3500	0.51	0.17	0.51	mg/kg	0.0179		0.0281		0.0211		0.0126		0.0031	J	0.0047	U
	Benzo(b)fluoranthene	205-99-2	--	78000	5.1	0.17	5.1	mg/kg	0.0123		0.0175		0.0145		0.0141		0.00281	J	0.0047	U
	Benzo(g,h,i)perylene	191-24-2	--	--	--	n/a	--	mg/kg	0.0114		0.0203		0.0105		0.0114		0.00237	J	0.0047	U
	Benzo(k)fluoranthene	207-08-9	--	780000	51	0.17	51	mg/kg	0.0119		0.0167		0.014		0.00845		0.00234	J	0.0047	U
	Chrysene	218-01-9	--	--	510	0.17	510	mg/kg	0.0136		0.0204		0.0188		0.012		0.00352	J	0.0047	U
	Dibenz(a,h)anthracene	53-70-3	--	7800	0.51	0.17	0.51	mg/kg	0.00275	J	0.00574		0.00302	J	0.00215	J	0.00062	J	0.0047	U
	Fluoranthene	206-44-0	--	--	2400	0.33	2400	mg/kg	0.0142		0.033		0.0211		0.0109		0.00375	J	0.0047	U
	Fluorene	86-73-7	--	--	2400	0.17	2400	mg/kg	0.00108	J	0.00228	J	0.0017	J	0.00194	J	0.00086	J	0.0047	U
	Indeno(1,2,3-cd)pyrene	193-39-5	--	78000	5.1	0.17	5.1	mg/kg	0.0104		0.0145		0.0109		0.00841		0.00222	J	0.0047	U
	Naphthalene	91-20-3	19	5.7	2500	0.17	5.7	mg/kg	0.00281	J	0.0043	J	0.00443	J	0.0116		0.012		0.00534	
	Phenanthrene	85-01-8	--	--	--	n/a	--	mg/kg	0.00636		0.0189		0.0109		0.00575	J	0.00388	J	0.0047	U
	Pyrene	129-00-0	--	--	1800	0.17	1800	mg/kg	0.0164		0.0325		0.0163		0.0153		0.00386	J	0.0047	U
Organochlorine Pesticides by GC																				
	4,4'-DDD	72-54-8	0.47	--	2.3	0.0033	0.47	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015		0.00015	U	0.00011	U
	4,4'-DDE	72-55-9	0.47	--	2	0.0033	0.47	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.0003		0.00015	U	0.00011	U
	4,4'-DDT	50-29-3	0.67	--	1.9	0.0033	0.67	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	Aldrin	309-00-2	0.13	--	0.041	0.0017	0.041	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	alpha-BHC	319-84-6	0.0023	--	0.086	0.0017	0.0023	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	beta-BHC	319-85-7	0.0046	--	0.3	0.0017	0.0046	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	delta-BHC	319-86-8	--	--	--	n/a	--	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	Dieldrin	60-57-1	0.024	--	0.034	0.0033	0.024	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	Endosulfan I (see sum)	959-98-8	--	--	470	n/a	470	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	Endosulfan II (see sum)	33213-65-9	--	--	470	n/a	470	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	Sum of Endosulfan I & II	115-29-7	--	--	470	0.0033	470	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	Endosulfan sulfate	1031-07-8	--	--	--	n/a	--	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	Endrin	72-20-8	1.6	--	19	0.0033	1.6	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	Endrin aldehyde	7421-93-4	--	--	--	n/a	--	mg/kg	0.00036	U	0.00035	U	0.00034	U	0.00046	U	0.00047	U	0.00035	U
	Endrin ketone	53494-70-5	--	--	--	n/a	--	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	gamma-BHC	58-89-9	--	--	--	0.0017	--	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	alpha-Chlordane (see sum)	5103-71-9	1.4	--	0.27	n/a	0.27	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	gamma-Chlordane (see sum)	5103-74-2	1.4	--	0.27	n/a	0.27	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	Chlordane (alpha & gamma)	57-74-9	1.4	--	0.27	0.0017	0.27	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	Heptachlor	76-44-8	0.083	--	0.15	0.0017	0.083	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	Heptachlor epoxide (B)	1024-57-3	0.081	--	0.076	0.0017	0.076	mg/kg	0.00024	U	0.00023	U	0.00023	U	0.00031	U	0.00031	U	0.00023	U
	Methoxychlor	72-43-5	--	--	320	0.017	320	mg/kg	0.00121	U	0.00119	U	0.00115	U	0.00155	U	0.00158	U	0.00117	U
	Mirex	2385-85-5	--	--	--	n/a	--	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
	Toxaphene	8001-35-2	6.2	--	0.49	0.17	0.49	mg/kg	0.00607	U	0.00599	U	0.0058	U	0.00778	U	0.00793	U	0.00587	U
Polychlorinated Biphenyls by GC																				
	Aroclor 1016	12674-11-2	--	--	--	n/a	--	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1221	11104-28-2	--	--	--	n/a	--	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1232	11141-16-5	--	--	--	n/a	--	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1242	53469-21-9	--	--	--	n/a	--	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1248	12672-29-6	--	--	--	n/a	--	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1254	11097-69-1	--	--	--	n/a	--	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS036		DS037		DS038		DS039		DS040		DS041	
SAMPLE ID							OCW_DRE_DS036_VCA_S1		OCW_DRE_DS037_VC_S1		OCW_DRE_DS038_VCB_S1		OCW_DRE_DS039_VC_S1		OCW_DRE_DS040_VC_S1		OCW_DRE_DS041_VC_S1	
SAMPLING DATE							5/9/2022		5/9/2022		5/9/2022		4/16/2022		4/25/2022		4/25/2022	
SAMPLE AREA (See Figure)							Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Barnegat Bay Cable Route		Barnegat Bay Cable Route		Barnegat Bay Cable Route	
SAMPLING PURPOSE							Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Cable Route		Cable Route		Cable Route	
LAB SAMPLE ID							L2224372-07		L2224372-08		L2224372-09		L2220658-01		L2221473-01		L2221473-02	
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
SAMPLE DEPTH (ft. below seabed)							0.0 - 3.2 ft.		0.0 - 3.3 ft.		0.0 - 4.6 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.	
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	Aroclor 1260	11096-82-5	--	--	--	n/a	--	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U
	Aroclor 1262	37324-23-5	--	--	--	n/a	--	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U
	Aroclor 1268	11100-14-4	--	--	--	n/a	--	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U
	PCBs, Total	1336-36-3	1.6	--	0.25	0.030	0.25	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U
Total Metals																		
	Aluminum, Total	7429-90-5	--	--	78000	20	78000	mg/kg	2200		2750		1130		7530		6160	
	Antimony, Total	7440-36-0	5.4	--	31	1.0	5.4	mg/kg	1.98	U	2.02	U	1.89	U	2.46	U	1.79	U
	Arsenic, Total	7440-38-2	19	1100	19	0.50	19	mg/kg	2.77		3.72		1.9		6.68		5.1	
	Barium, Total	7440-39-3	2100	870000	16000	5.0	2100	mg/kg	5.47		7.28		3.1	J	19.5		16.1	
	Beryllium, Total	7440-41-7	0.7	2000	160	0.50	0.7	mg/kg	0.13	J	0.168	J	0.354	U	0.354	J	0.306	J
	Cadmium, Total	7440-43-9	1.9	2600	71	0.50	1.9	mg/kg	0.077	J	0.093	J	0.042	J	0.144	J	0.079	J
	Calcium, Total	7440-70-2	--	--	--	n/a	--	mg/kg	1370		1620		832		3170		2380	
	Chromium, Total	7440-47-3	--	--	--	n/a	--	mg/kg	8.39		10.2		4.18		25.2		18.7	
	Cobalt, Total	7440-48-4	90	520	23	0.50	23	mg/kg	1.62		2.18		0.981		4.48		3.51	
	Copper, Total	7440-50-8	910	--	3100	1.0	910	mg/kg	3.4		4.08		1.53	J	9.2		5.38	
	Iron, Total	7439-89-6	--	--	--	n/a	--	mg/kg	4900		6100		2490		15800		12400	
	Lead, Total	7439-92-1	90	--	400	0.50	90	mg/kg	5.22		6.33		3.44		9.89		4.58	
	Magnesium, Total	7439-95-4	--	--	--	n/a	--	mg/kg	1530		1840		808		4800		3620	
	Manganese, Total	7439-96-5	--	87000	1900	0.50	1900	mg/kg	40.5		54.7		22.9		125		88.4	
	Mercury, Total	7439-97-6	0.1	520000	23	0.10	0.1	mg/kg	0.041		0.043		0.01	J	0.063		0.03	
	Nickel, Total	7440-02-0	48	20000	1600	0.50	48	mg/kg	4.42		5.31		2.19		12.7		9.65	
	Potassium, Total	7440-09-7	--	--	--	n/a	--	mg/kg	688		829		353		2060		1690	
	Selenium, Total	7782-49-2	11	--	390	2.5	11	mg/kg	2.48	U	2.53	U	2.36	U	1.18	J	2.64	J
	Silver, Total	7440-22-4	0.5	--	390	0.50	0.5	mg/kg	0.62	U	0.633	U	0.59	U	0.77	U	0.755	U
	Sodium, Total	7440-23-5	--	--	--	n/a	--	mg/kg	2280		2720		1840		4620		4950	
	Thallium, Total	7440-28-0	--	--	--	n/a	--	mg/kg	0.166	J	0.155	J	0.249	J	0.243	J	0.488	J
	Tin, Total	7440-31-5	--	--	--	n/a	--	mg/kg	0.961	J	1.14	J	1.02	J	0.936	J	0.956	J
	Vanadium, Total	7440-62-2	--	170000	390	2.5	390	mg/kg	8.4		10.3		4.16		25.6		18.7	
	Zinc, Total	7440-66-6	930	--	23000	1.0	930	mg/kg	17.7		20.8		8.77	J	40.6		23.5	
Total Organic Carbon																		
	Total Organic Carbon (Average)	7440-44-0	--	--	--	n/a	--	mg/kg	4010		3210		1180		10800		22600	
	Total Organic Carbon (Rep1)	7440-44-0	--	--	--	n/a	--	mg/kg	4180		3150		1220		9500		22200	
	Total Organic Carbon (Rep2)	7440-44-0	--	--	--	n/a	--	mg/kg	3840		3260		1130		12000		23100	
General Chemistry																		
	Chromium, Trivalent	16065-83-1	--	--	--	n/a	--	mg/kg	8.4		9.9	J	4.2		25		19	
	Cyanide, Total	57-12-5	20	--	47	0.50	20	mg/kg	1.2	U	1.2	U	1.2	U	1.5	U	1.5	U
	Moisture	NONE	--	--	--	n/a	--	%	21		21.8		18		36		0.1	U
	Solids, Total	NONE	--	--	--	n/a	--	%	79		78.2		82		64		62.3	
Grain Size Analysis																		
	% Clay Fine	NONE	--	--	--	n/a	--	%	2.1		1.3		0.7		2.1		2.5	
	% Coarse Gravel	NONE	--	--	--	n/a	--	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	% Coarse Sand	NONE	--	--	--	n/a	--	%	1.6		1		0.2		17.6		2	
	% Fine Gravel	NONE	--	--	--	n/a	--	%	0.1	U	0.1	U	0.1	U	15.2		1	
	% Fine Sand	NONE	--	--	--	n/a	--	%	75.6		79.9		90.1		25.2		55.9	
	% Medium Sand	NONE	--	--	--	n/a	--	%	6.2		4.7		2.1		21.8		8	
	% Silt Fine	NONE	--	--	--	n/a	--	%	14.5		13.1		6.9		18.1		30.6	
	% Total Fines	NONE	--	--	--	n/a	--	%	16.6		14.4		7.6		20.2		33.1	
	Cobbles	NONE	--	--	--	n/a	--	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
NJ Hexavalent Chromium																		
	Chromium, Hexavalent	18540-29-9	--	--	--	n/a	--	mg/kg	1.01	U	0.32	J	0.976	U	1.25	U	1.28	U
	Oxidation/Reduction Potential	NONE	--	--	--	n/a	--	mv	200		200		190		180		200	
	pH	12408-02-5	--	--	--	n/a	--	SU	7.6		7.8		7.9		8		7.6	
Dioxins & Furans by Isotope Dilution HRMS																		
	1,2,3,4,6,7,8-HpCDD	35822-46-9	--	--	--	n/a	--	mg/kg	0.0000049		0.00000376		0.00000154	J	-	-	-	-
	1,2,3,4,6,7,8-HpCDF	67562-39-4	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	1,2,3,4,7,8,9-HpCDF	55673-89-7	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	1,2,3,4,7,8-HxCDD	39227-28-6	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	1,2,3,4,7,8-HxCDF	70648-26-9	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-

OCEAN WIND 1

Table D-1: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP 7:26D Soil Remediation Standards

STATION ID							DS036		DS037		DS038		DS039		DS040		DS041	
SAMPLE ID							OCW_DRE_DS036_VCA_S1		OCW_DRE_DS037_VC_S1		OCW_DRE_DS038_VCB_S1		OCW_DRE_DS039_VC_S1		OCW_DRE_DS040_VC_S1		OCW_DRE_DS041_VC_S1	
SAMPLING DATE							5/9/2022		5/9/2022		5/9/2022		4/16/2022		4/25/2022		4/25/2022	
SAMPLE AREA (See Figure)							Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Barnegat Bay Cable Route		Barnegat Bay Cable Route		Barnegat Bay Cable Route	
SAMPLING PURPOSE							Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Cable Route		Cable Route		Cable Route	
LAB SAMPLE ID							L2224372-07		L2224372-08		L2224372-09		L2220658-01		L2221473-01		L2221473-02	
SAMPLE TYPE							Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
SAMPLE MEDIA							Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
SAMPLE DEPTH (ft. below seabed)							0.0 - 3.2 ft.		0.0 - 3.3 ft.		0.0 - 4.6 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.	
	Analyte	CAS RN	NJ-MGW-SRS	NJ-RI-SRS	NJ-RID-SRS	7:26D RL	NJ Min.	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	1,2,3,6,7,8-HxCDD	57653-85-7	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	1,2,3,6,7,8-HxCDF	57117-44-9	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	1,2,3,7,8,9-HxCDD	19408-74-3	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	1,2,3,7,8,9-HxCDF	72918-21-9	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	1,2,3,7,8-PeCDD	40321-76-4	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	1,2,3,7,8-PeCDF	57117-41-6	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	2,3,4,6,7,8-HxCDF	60851-34-5	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	2,3,4,7,8-PeCDF	57117-31-4	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	2,3,7,8-TCDD	1746-01-6	0.0001	--	0.000051	0.0000010	0.000051	mg/kg	0.00000626	U	0.00000622	U	0.00000592	U	-	-	-	-
	2,3,7,8-TCDF	51207-31-9	--	--	--	n/a	--	mg/kg	0.00000626	U	0.00000622	U	0.00000592	U	-	-	-	-
	OCDD	3268-87-9	--	--	--	n/a	--	mg/kg	0.0000845		0.0000596		0.0000166		-	-	-	-
	OCDF	39001-02-0	--	--	--	n/a	--	mg/kg	0.00000436	J	0.00000622	U	0.00000592	U	-	-	-	-
	Total HpCDD	37871-00-4	--	--	--	n/a	--	mg/kg	0.0000126		0.0000105		0.00000296	U	-	-	-	-
	Total HpCDF	38998-75-3	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	Total HxCDD	34465-46-8	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	Total HxCDF	55684-94-1	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	Total PCDD	null	--	--	--	n/a	--	mg/kg	0.0000971		0.0000701		0.0000166		-	-	-	-
	Total PCDF	null	--	--	--	n/a	--	mg/kg	0.00000626	U	0.00000622	U	0.00000592	U	-	-	-	-
	Total PeCDD	36088-22-9	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	Total PeCDF	30402-15-4	--	--	--	n/a	--	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-
	Total TCDD	41903-57-5	--	--	--	n/a	--	mg/kg	0.00000626	U	0.00000622	U	0.00000592	U	-	-	-	-
	Total TCDF	55722-27-5	--	--	--	n/a	--	mg/kg	0.00000626	U	0.00000622	U	0.00000592	U	-	-	-	-
	Toxic Equivalency (TEQ)	null	--	--	--	n/a	--	mg/kg	0.000000074		0.000000055		0.000000005		-	-	-	-

FOOTNOTES

Results Column = reported detected concentration or reporting limit (for non-detects).

NJ-MGW-SRS: New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

NJ-RI-SRS: New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

NJ-RID-SRS: New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

7:26D RL: NJDEP Soil Remediation Standards Reporting Limits from 7:26 D (last amended May 17, 2021).

NJ-Min. Minimum value of the three NJDEP Soil Remediation Standards

(used to compare against results; exceedances of this value are

Indications of Exceedance of "NJ MIN" Criteria (see above description)

Reporting Limit Exceeds:	<i>ITAL</i>	Blue italic text with light gray hatch lines.
Detected Result Exceeds:	BOLD	Bold black text with light yellow shading.
Highlighted Criteria:		Gray highlight of criteria indicates one or more detected result (or reporting limit, for non-detect) exceeds the highlighted criteria.

Bold/Italic font in the criteria columns indicate that the criteria is equal to the minimum of those shown.

Qualifiers ("Qual" Column)

U - Analyte not detected at a concentration above the reporting detection limit (the value shown for non-detects)

B - Analyte detected above the reporting limit in an associated quality control blank.

J - Analyte positively identified; concentration estimated.

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS001	DS001	DS001	DS002	DS002	DS003A	DS003A	DS004	DS004	DS004	DS005	DS005	DS006
SAMPLE ID					OCW_DRE_DS001_VCB_S1	OCW_DRE_DS001_VCB_S2	OCW_DRE_DS001_VCB_S3	OCW_DRE_DS002_VC_S1	OCW_DRE_DS002_VC_S2	OCW_DRE_DS003A_VC_S1	OCW_DRE_DS003A_VC_S2	OCW_DRE_DS004_VC_S1	OCW_DRE_DS004_VC_S1D	OCW_DRE_DS004_VC_S2	OCW_DRE_DS004_VC_S1	OCW_DRE_DS005_VC_S2	OCW_DRE_DS006_VC_S1
SAMPLING DATE					4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	5/6/2022
SAMPLE AREA (See Figure)					IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	Prior Channel
SAMPLING PURPOSE					Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material
LAB SAMPLE ID					L2217212-01	L2217212-02	L2217212-03	L2217212-04	L2217212-05	L2217212-06	L2217212-07	L2217212-08	L2217212-09	L2217212-10	L2217212-11	L2217212-12	L2223875-17
SAMPLE TYPE					Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Duplicate	Field Sample	Field Sample	Field Sample	Field Sample
SAMPLE MEDIA					Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
SAMPLE DEPTH (ft. below seabed)					0.0 - 2.0 ft.	2.0 - 9.2 ft.	9.2 - 9.9 ft.	0.0 - 1.2 ft.	1.2 - 10.1 ft.	0.0 - 8.6 ft.	8.6 - 9.2 ft.	0.0 - 9.0 ft.	0.0 - 9.0 ft.	9.0 - 9.4 ft.	0.0 - 9.0 ft.	9.0 - 9.5 ft.	0.0 - 6.2 ft.
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by 8260 (Prep Method EPA 5035)																	
	1,1,1-Trichloroethane	71-55-6	-	-	mg/kg	0.00055	U	0.0005	U	-	-	0.00057	U	-	-	0.00057	U
	1,1,2,2-Tetrachloroethane	79-34-5	-	-	mg/kg	0.00055	U	0.0005	U	-	-	0.00057	U	-	-	0.00057	U
	1,1,2-Trichloroethane	79-00-5	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	1,1-Dichloroethane	75-34-3	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	1,1-Dichloroethene	75-35-4	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	1,2,3-Trichlorobenzene	87-61-6	-	-	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	1,2,3-Trichloropropane	96-18-4	-	-	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	1,2,4-Trichlorobenzene	120-82-1	-	0.0048	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	1,2,4-Trimethylbenzene	95-63-6	-	-	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	1,2-Dibromo-3-chloropropane	96-12-8	-	-	mg/kg	0.0033	U	0.003	U	-	-	0.0034	U	-	-	0.0034	U
	1,2-Dibromoethane	106-93-4	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	1,2-Dichlorobenzene	95-50-1	-	0.013	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	1,2-Dichloroethane	107-06-2	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	1,2-Dichloropropane	78-87-5	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	1,3,5-Trimethylbenzene	108-67-8	-	-	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	1,3-Dichlorobenzene	541-73-1	-	-	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	1,4-Dichlorobenzene	106-46-7	-	0.110	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	1,4-Dioxane	123-91-1	-	-	mg/kg	0.088	U	0.08	U	-	-	0.092	U	-	-	0.092	U
	2-Butanone	78-93-3	-	-	mg/kg	0.011	U	0.01	U	-	-	0.011	U	-	-	0.011	U
	2-Hexanone	591-78-6	-	-	mg/kg	0.011	U	0.01	U	-	-	0.011	U	-	-	0.011	U
	4-Methyl-2-pentanone	108-10-1	-	-	mg/kg	0.011	U	0.01	U	-	-	0.011	U	-	-	0.011	U
	Acetone	67-64-1	-	-	mg/kg	0.027	U	0.025	U	-	-	0.029	U	-	-	0.029	U
	Benzene	71-43-2	0.34	-	mg/kg	0.00055	U	0.0005	U	-	-	0.00057	U	-	-	0.00057	U
	Bromochloromethane	74-97-5	-	-	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	Bromodichloromethane	75-27-4	-	-	mg/kg	0.00055	U	0.0005	U	-	-	0.00057	U	-	-	0.00057	U
	Bromoform	75-25-2	-	-	mg/kg	0.0044	U	0.004	U	-	-	0.0046	U	-	-	0.0046	U
	Bromomethane	74-83-9	-	-	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	Carbon disulfide	75-15-0	-	-	mg/kg	0.011	U	0.01	U	-	-	0.011	U	-	-	0.011	U
	Carbon tetrachloride	56-23-5	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	Chlorobenzene	108-90-7	-	-	mg/kg	0.00055	U	0.0005	U	-	-	0.00057	U	-	-	0.00057	U
	Chloroethane	75-00-3	-	-	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	Chloroform	67-66-3	-	-	mg/kg	0.0016	U	0.0015	U	-	-	0.0017	U	-	-	0.0017	U
	Chloromethane	74-87-3	-	-	mg/kg	0.0044	U	0.004	U	-	-	0.0046	U	-	-	0.0046	U
	cis-1,2-Dichloroethene	156-59-2	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	cis-1,3-Dichloropropene	10061-01-5	-	-	mg/kg	0.00055	U	0.0005	U	-	-	0.00057	U	-	-	0.00057	U
	Cyclohexane	110-82-7	-	-	mg/kg	0.011	U	0.01	U	-	-	0.011	U	-	-	0.011	U
	Dibromochloromethane	124-48-1	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	Dichlorodifluoromethane	75-71-8	-	-	mg/kg	0.011	U	0.01	U	-	-	0.011	U	-	-	0.011	U
	Ethylbenzene	100-41-4	1.4	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	Freon-113	76-13-1	-	-	mg/kg	0.0044	U	0.004	U	-	-	0.0046	U	-	-	0.0046	U
	Isopropylbenzene	98-82-8	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	Methyl Acetate	79-20-9	-	-	mg/kg	0.0044	U	0.004	U	-	-	0.0046	U	-	-	0.0046	U
	Methyl cyclohexane	108-87-2	-	-	mg/kg	0.0044	U	0.004	U	-	-	0.0046	U	-	-	0.0046	U
	Methyl tert butyl ether	1634-04-4	-	-	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	Methylene chloride	75-09-2	-	-	mg/kg	0.0055	U	0.005	U	-	-	0.0057	U	-	-	0.0057	U
	o-Xylene	95-47-6	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	p/m-Xylene	179601-23-1	-	-	mg/kg	0.0022	U	0.002	U	-	-	0.0023	U	-	-	0.0023	U
	Styrene	100-42-5	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	Tert-Butyl Alcohol	75-65-0	-	-	mg/kg	0.022	U	0.02	U	-	-	0.023	U	-	-	0.023	U
	Tetrachloroethene	127-18-4	0.45	-	mg/kg	0.00055	U	0.0005	U	-	-	0.00057	U	-	-	0.00057	U
	Toluene	108-88-3	2.5	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0012	U
	trans-1,2-Dichloroethene	156-60-5	-	-	mg/kg	0.0016	U	0.0015	U	-	-	0.0017	U	-	-	0.0017	U
	trans-1,3-Dichloropropene	10061-02-6	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
	Trichloroethene	79-01-6	1.6	-	mg/kg	0.00055	U	0.0005	U	-	-	0.00057	U	-	-	0.00057	U
	Trichlorofluoromethane	75-69-4	-	-	mg/kg	0.0044	U	0.004	U	-	-	0.0046	U	-	-	0.0046	U
	Vinyl chloride	75-01-4	-	-	mg/kg	0.0011	U	0.001	U	-	-	0.0011	U	-	-	0.0011	U
Semivolatile Organics by GC/MS																	
	1,2,4,5-Tetrachlorobenzene	95-94-3	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U
	2,3,4,6-Tetrachlorophenol	58-90-2	-	-	mg/kg	0.0377											

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Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS001		DS001		DS001		DS002		DS002		DS003A		DS003A		DS004		DS004		DS004		DS005		DS005		DS006	
SAMPLE ID					OCW_DRE_DS001_VCB_S1		OCW_DRE_DS001_VCB_S2		OCW_DRE_DS001_VCB_S3		OCW_DRE_DS002_VC_S1		OCW_DRE_DS002_VC_S2		OCW_DRE_DS003A_VC_S1		OCW_DRE_DS003A_VC_S2		OCW_DRE_DS004_VC_S1		OCW_DRE_DS004_VC_S1D		OCW_DRE_DS004_VC_S2		OCW_DRE_DS005_VC_S1		OCW_DRE_DS005_VC_S1		OCW_DRE_DS006_VC_S1	
SAMPLING DATE					4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		5/6/2022	
SAMPLE AREA (See Figure)					IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		Prior Channel	
SAMPLING PURPOSE					Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material	
LAB SAMPLE ID					L2217212-01		L2217212-02		L2217212-03		L2217212-04		L2217212-05		L2217212-06		L2217212-07		L2217212-08		L2217212-09		L2217212-10		L2217212-11		L2217212-12		L2223875-17	
SAMPLE TYPE					Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample	
SAMPLE MEDIA					Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
SAMPLE DEPTH (ft. below seabed)					0.0 - 2.0 ft.		2.0 - 9.2 ft.		9.2 - 9.9 ft.		0.0 - 1.2 ft.		1.2 - 10.1 ft.		0.0 - 8.6 ft.		8.6 - 9.2 ft.		0.0 - 9.0 ft.		0.0 - 9.0 ft.		9.0 - 9.4 ft.		0.0 - 9.0 ft.		9.0 - 9.5 ft.		0.0 - 6.2 ft.	
Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
4-Chlorophenyl-phenylether	7005-72-3	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
4-Methylphenol	106-44-5	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
4-Nitroaniline	100-01-6	-	-	mg/kg	0.226	U	0.206	U	0.234	U	0.236	U	0.236	U	0.265	U	0.242	U	0.122	U	0.126	U	0.12	U	0.248	U	0.118	U	1.27	U
4-Nitrophenol	100-02-7	-	-	mg/kg	0.627	U	0.571	U	0.648	U	0.654	U	0.653	U	0.732	U	0.669	U	0.338	U	0.35	U	0.333	U	0.686	U	0.328	U	3.52	U
Acetophenone	98-86-2	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Altrazine	1912-24-9	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Benzaldehyde	100-52-7	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.0849	J
Biphenyl	92-52-4	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
bis(2-Chloroethoxy)methane	111-91-1	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
bis(2-Chloroethyl)ether	111-44-4	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
bis(2-chloroisopropyl)ether	108-60-1	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
bis(2-Ethylhexyl)phthalate	117-81-7	0.18216	2.64651	mg/kg	0.0121	J	0.0344	U	0.0449		0.0394	U	0.0374	J	0.0295	J	0.0403	U	0.0434		0.0236		0.0962		0.0414	U	0.033		0.212	U
Butylbenzylphthalate	85-68-7	-	0.063	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0168	J	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Caprolactam	105-60-2	-	-	mg/kg	0.0181	J	0.0199	J	0.078	U	0.0788	U	0.0786	U	0.0882	U	0.0806	U	0.0407	U	0.0422	U	0.0401	U	0.0827	U	0.0395	U	0.424	U
Carbazole	86-74-8	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.0238	J
Dibenzofuran	132-64-9	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Diethylphthalate	84-66-2	-	0.006	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Dimethylphthalate	131-11-3	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Di-n-butylphthalate	84-74-2	-	0.058	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.00588	J	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Di-n-octylphthalate	117-84-0	-	-	mg/kg	0.0755	U	0.0688	U	0.078	U	0.0788	U	0.0786	U	0.0882	U	0.0806	U	0.0407	U	0.0422	U	0.0401	U	0.0827	U	0.0395	U	0.424	U
Hexachlorobenzene	118-74-1	0.02	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Hexachlorobutadiene	87-68-3	-	0.0013	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Hexachlorocyclopentadiene	77-47-4	-	-	mg/kg	0.226	U	0.206	U	0.234	U	0.236	U	0.236	U	0.265	U	0.242	U	0.122	U	0.126	U	0.12	U	0.248	U	0.118	U	1.27	U
Hexachloroethane	67-72-1	-	0.073	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Isophorone	78-59-1	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Nitrobenzene	98-95-3	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
N-Nitroso-di-n-propylamine	621-64-7	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
n-Nitrosodiphenylamine	86-30-6	-	-	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Pentachlorophenol	87-86-5	-	0.017	mg/kg	0.226	U	0.206	U	0.234	U	0.236	U	0.236	U	0.265	U	0.242	U	0.122	U	0.126	U	0.12	U	0.248	U	0.118	U	1.27	U
Phenol	108-95-2	-	0.130	mg/kg	0.0377	U	0.0344	U	0.039	U	0.0394	U	0.0393	U	0.0441	U	0.0403	U	0.0203	U	0.0211	U	0.02	U	0.0414	U	0.0198	U	0.212	U
Pyridine	110-86-1	-	-	mg/kg	0.151	U	0.138	U	0.156	U	0.158	U	0.157	U	0.176	U	0.161	U	0.0813	U	0.0043	J	0.0801	U	0.165	U	0.00427	J	0.849	U

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Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS001	DS001	DS001	DS002	DS002	DS003A	DS003A	DS004	DS004	DS004	DS005	DS005	DS006
SAMPLE ID					OCW_DRE_DS001_VCB_S1	OCW_DRE_DS001_VCB_S2	OCW_DRE_DS001_VCB_S3	OCW_DRE_DS002_VC_S1	OCW_DRE_DS002_VC_S2	OCW_DRE_DS003A_VC_S1	OCW_DRE_DS003A_VC_S2	OCW_DRE_DS004_VC_S1	OCW_DRE_DS004_VC_S1D	OCW_DRE_DS004_VC_S2	OCW_DRE_DS005_VC_S1	OCW_DRE_DS005_VC_S2	OCW_DRE_DS006_VC_S1
SAMPLING DATE					4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	4/3/2022	5/6/2022
SAMPLE AREA (See Figure)					IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	IBSP Atlantic Cable Landfall	Prior Channel
SAMPLING PURPOSE					Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Proposed Dredge Material
LAB SAMPLE ID					L2217212-01	L2217212-02	L2217212-03	L2217212-04	L2217212-05	L2217212-06	L2217212-07	L2217212-08	L2217212-09	L2217212-10	L2217212-11	L2217212-12	L2223875-17
SAMPLE TYPE					Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Duplicate	Field Sample	Field Sample	Field Sample	Field Sample
SAMPLE MEDIA					Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
SAMPLE DEPTH (ft. below seabed)					0.0 - 2.0 ft.	2.0 - 9.2 ft.	9.2 - 9.9 ft.	0.0 - 1.2 ft.	1.2 - 10.1 ft.	0.0 - 8.6 ft.	8.6 - 9.2 ft.	0.0 - 9.0 ft.	0.0 - 9.0 ft.	0.0 - 9.0 ft.	9.0 - 9.4 ft.	0.0 - 9.0 ft.	9.0 - 9.5 ft.
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Polychlorinated Biphenyls by GC																	
	Aroclor 1016	12674-11-2	0.007	-	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U
	Aroclor 1221	11104-28-2	-	-	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U
	Aroclor 1232	11141-16-5	-	-	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U
	Aroclor 1242	53469-21-9	-	-	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U
	Aroclor 1248	12672-29-6	0.03	-	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U
	Aroclor 1254	11097-69-1	0.06	-	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U
	Aroclor 1260	11096-82-5	0.005	-	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U
	Aroclor 1262	37324-23-5	-	-	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U
	Aroclor 1268	11100-14-4	-	-	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U
	PCBs, Total	1336-36-3	0.023	0.18	mg/kg	0.00808	U	0.00743	U	0.00832	U	0.00876	U	0.00843	U	0.00999	U
Total Metals																	
	Aluminum, Total	7429-90-5	-	18000	mg/kg	767		137		181		138		219		1500	
	Antimony, Total	7440-36-0	-	9.3	mg/kg	1.83	U	1.59	U	1.8	U	1.86	U	1.82	U	2.1	U
	Arsenic, Total	7440-38-2	8.2	70	mg/kg	1.52		0.344	J	0.401	J	0.232	J	0.452	J	2.59	
	Barium, Total	7440-39-3	-	48	mg/kg	1.51	J	0.675	J	0.794	J	0.628	J	0.888	J	3.06	J
	Beryllium, Total	7440-41-7	-	-	mg/kg	0.342	U	0.298	U	0.338	U	0.349	U	0.34	U	0.155	J
	Cadmium, Total	7440-43-9	1.2	9.6	mg/kg	0.228	U	0.199	U	0.226	U	0.233	U	0.227	U	0.262	U
	Calcium, Total	7440-70-2	-	-	mg/kg	2040		263	J	1830		527	J	992		2310	
	Chromium, Total	7440-47-3	81	370	mg/kg	3.88		0.898	J	1.62	J	1.02	J	2.7		7.55	
	Cobalt, Total	7440-48-4	-	10	mg/kg	0.71		0.11	J	0.147	J	0.109	J	0.172	J	1.28	
	Copper, Total	7440-50-8	34	270	mg/kg	0.536	J	1.99	U	2.26	U	2.33	U	2.27	U	1.02	J
	Iron, Total	7439-89-6	-	-	mg/kg	2560		325		480		369		588		4960	
	Lead, Total	7439-92-1	47	218	mg/kg	3.47		0.641		0.561	J	0.681	J	0.558	J	5.61	
	Magnesium, Total	7439-95-4	-	-	mg/kg	649		229		280		199		300		1280	
	Manganese, Total	7439-96-5	-	260	mg/kg	19.3		4.19		5.72		3.38		4.74		40.5	
	Mercury, Total	7439-97-6	0.15	0.71	mg/kg	0.008	J	0.013	U	0.015	U	0.018	U	0.015	U	0.013	J
	Nickel, Total	7440-02-0	21	52	mg/kg	1.25		0.995	U	0.4	J	1.16	U	0.884	J	2.58	
	Potassium, Total	7440-09-7	-	-	mg/kg	454		96.4	J	126		102	J	160		780	
	Selenium, Total	7782-49-2	-	1	mg/kg	2.28	U	1.99	U	2.26	U	2.33	U	2.27	U	2.62	U
	Silver, Total	7440-22-4	1	3.7	mg/kg	0.571	U	0.497	U	0.564	U	0.582	U	0.567	U	0.655	U
	Sodium, Total	7440-23-5	-	-	mg/kg	1670		1320		1520		1040		1520		2850	
	Thallium, Total	7440-28-0	-	-	mg/kg	0.456	U	0.398	U	0.451	U	0.465	U	0.095	J	0.524	U
	Tin, Total	7440-31-5	-	3.4	mg/kg	0.39	J	1.19	U	1.35	U	1.4	U	1.36	U	0.512	J
	Vanadium, Total	7440-62-2	-	57	mg/kg	3.96		0.726	J	0.784	J	0.772	J	1.11	J	7.55	
	Zinc, Total	7440-66-6	150	410	mg/kg	7.1	J	9.95	U	11.3	U	11.6	U	11.3	U	11.3	J
Total Organic Carbon																	
	Total Organic Carbon (Rep1)	7440-44-0	-	-	mg/kg	500	U	500	U	500	U	500	U	500	U	680	
	Total Organic Carbon (Rep2)	7440-44-0	-	-	mg/kg	500	U	500	U	500	U	500	U	500	U	500	U
	Total Organic Carbon (Average)	7440-44-0	-	-	mg/kg	500	U	500	U	500	U	500	U	500	U	500	U
General Chemistry																	
	Chromium, Trivalent	16065-83-1	-	-	mg/kg	3.9		2	U	2.3	U	2.3	U	2.7		7.6	
	Solids, Total	NONE	-	-	%	87.4		96		84.6		82.9		84.5		74.9	
	Cyanide, Total	57-12-5	-	-	mg/kg	1.1	U	0.96	U	1.1	U	1.2	U	1.1	U	1.2	U
	Moisture	NONE	-	-	%	12.6		4		15.4		17.1		15.5		25.1	
	WATER CONTENT	NONE	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-
Grain Size Analysis																	
	Cobbles	NONE	-	-	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	% Coarse Gravel	NONE	-	-	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	% Fine Gravel	NONE	-	-	%	11.1		2.3		0.6		2.2		0.3		0.5	
	% Coarse Sand	NONE	-	-	%	4.4		0.2		0.2		3		1.5		0.1	U
	% Medium Sand	NONE	-	-	%	60.3		15.8		16		30.2		39.5		8.9	
	% Fine Sand	NONE	-	-	%	18.2		80.9		80.7		63.4		56		95.5	
	% Silt Fine	NONE	-	-	%	5.5		0.7		2.3		1.1		2.5		1.7	
	% Clay Fine	NONE	-	-	%	0.5		0.1		0.2		0.1		0.2		0.3	
	% Total Fines	NONE	-	-	%	6		0.8		2.5		1.2		2.7		1.9	
NJ Hexavalent Chromium																	
	Chromium, Hexavalent	18540-29-9	-	-	mg/kg	0.915	U	0.833	U	0.946	U	0.965	U	0.947	U	1.07	U
	pH	12408-02-5	-	-	SU	8.2		8.2		8.2		8.2		8.3		8.1	
	Oxidation/Reduction Potential	NONE	-	-	mv	220		220		190		200		200		230	
Dioxins & Furans by Isotope Dilution HRMS																	
	1,2,3,4,6,7,8-HpCDD	35822-46-9	-	-	mg/kg	0.00000379		-	-	-	-	0.00000335		-	-	0.00000319	U
	1,2,3,4,6,7,8-HpCDF	67562-39-4	-	-	mg/kg	0.00000271	U	-	-	-	-	0.00000289	J	-	-	0.00000319	U
	1,2,3,4,7,8,9-HpCDF	55673-89-7	-	-	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U
	1,2,3,4,7,8-HxCDD	39227-28-6	-	-	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U
	1,2,3,4,7,8-HxCDF	70648-26-9	-	-	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U
	1,2,3,6,7,8-HxCDD	57653-85-7	-	-	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID						DS001		DS001		DS001		DS002		DS002		DS003A		DS003A		DS004		DS004		DS004		DS005		DS005		DS006			
SAMPLE ID						OCW_DRE_DS001_VCB_S1		OCW_DRE_DS001_VCB_S2		OCW_DRE_DS001_VCB_S3		OCW_DRE_DS002_VC_S1		OCW_DRE_DS002_VC_S2		OCW_DRE_DS003A_VC_S1		OCW_DRE_DS003A_VC_S2		OCW_DRE_DS004_VC_S1		OCW_DRE_DS004_VC_S2		OCW_DRE_DS004_VC_S1D		OCW_DRE_DS004_VC_S2		OCW_DRE_DS005_VC_S1		OCW_DRE_DS005_VC_S2		OCW_DRE_DS006_VC_S1	
SAMPLING DATE						4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		4/3/2022		5/6/2022			
SAMPLE AREA (See Figure)						IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		IBSP Atlantic Cable Landfall		Prior Channel			
SAMPLING PURPOSE						Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material			
LAB SAMPLE ID						L2217212-01		L2217212-02		L2217212-03		L2217212-04		L2217212-05		L2217212-06		L2217212-07		L2217212-08		L2217212-09		L2217212-10		L2217212-11		L2217212-12		L2223875-17			
SAMPLE TYPE						Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample			
SAMPLE MEDIA						Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment			
SAMPLE DEPTH (ft. below seabed)						0.0 - 2.0 ft.		2.0 - 9.2 ft.		9.2 - 9.9 ft.		0.0 - 1.2 ft.		1.2 - 10.1 ft.		0.0 - 8.6 ft.		8.6 - 9.2 ft.		0.0 - 9.0 ft.		0.0 - 9.0 ft.		9.0 - 9.4 ft.		0.0 - 9.0 ft.		9.0 - 9.5 ft.		0.0 - 6.2 ft.			
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
	Total HpCDD	37871-00-4	-	-	mg/kg	0.00000379		-	-	-	-	0.00000335		-	-	0.00000319	U	-	-	0.000102		0.00000584		-	-	0.00000304	U	-	-	0.000203			
	Total HpCDF	38998-75-3	-	-	mg/kg	0.00000604		-	-	-	-	0.00000734		-	-	0.00000319	U	-	-	0.0000959		0.0000196		-	-	0.00000304	U	-	-	0.0000474			
	Total HxCDD	34465-46-8	-	-	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000328		0.0000031	U	-	-	0.00000304	U	-	-	0.0000396			
	Total HxCDF	55684-94-1	-	-	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.0000228		0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U		
	Total PCDD	null	-	-	mg/kg	0.0000665		-	-	-	-	0.0000509		-	-	0.0000142		-	-	0.00092		0.000167		-	-	0.00000689		-	-	0.00101	B		
	Total PCDF	null	-	-	mg/kg	0.0000212		-	-	-	-	0.0000195		-	-	0.000000639	U	-	-	0.000253		0.0000559		-	-	0.000000608	U	-	-	0.000119	B		
	Total PeCDD	36088-22-9	-	-	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000298	U	0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U		
	Total PeCDF	30402-15-4	-	-	mg/kg	0.00000271	U	-	-	-	-	0.00000295	U	-	-	0.00000319	U	-	-	0.00000298	U	0.0000031	U	-	-	0.00000304	U	-	-	0.0000158	U		
	Total TCDD	41903-57-5	-	-	mg/kg	0.000000542	U	-	-	-	-	0.00000059	U	-	-	0.000000639	U	-	-	0.000000597	U	0.00000062	U	-	-	0.000000608	U	-	-	0.0000033			
	Total TCDF	55722-27-5	-	-	mg/kg	0.000000542	U	-	-	-	-	0.00000059	U	-	-	0.000000639	U	-	-	0.000000597	U	0.00000062	U	-	-	0.000000608	U	-	-	0.00003			
	Toxic Equivalency (TEQ)	null	-	-	mg/kg	0.000000061		-	-	-	-	0.000000052		-	-	0.000000004		-	-	0.00000129		0.000000135		-	-	0.000000002		-	-	0.00000171			

FOOTNOTES
Results Column = reported detected concentration or reporting limit (for non-detects).
ER-L: New Jersey Effects Range Low (ER-L) Saline Water Sediment Criteria Criteria per March 10, 2009 Guidance Document.
ER-M: New Jersey Effects Range Medium (ER-M) Saline Water Sediment Criteria Criteria per March 10, 2009 Guidance Document.

Criteria Exceedances (see above description)
RL exceeds minimum of ER-L/ER-M

	Gray shading.
Detection Exceeds ER-L	Yellow shading.
Detection Exceeds ER-M	Orange shading.

Note: shading of criteria column indicates one or more exceedances of the corresponding criteria (either detected concentration or RL) and is provided for reader convenience.
RL = Reporting Limit

* Total Detected PAHs: Sum of detected compounds only.
** Chlordane (sum of alpha/gamma): Sum of alpha and gamma Chlordane. When both alpha and gamma are not detected the max of the reporting limits is shown; otherwise it is the sum of detected concentrations.

Qualifiers ("Qual" Column)
U - Analyte not detected at a concentration above the reporting detection limit (the value shown for non-detects)
B - Analyte detected above the reporting limit in an associated quality control blank.
J - Analyte positively identified; concentration estimated.

OCEAN WIND 1

Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID						DS006		DS007		DS007		DS007		DS008		DS008		DS009		DS009		DS010		DS010		DS011		DS011		DS012		
SAMPLE ID						OCW_DRE_DS006_VC_S2		OCW_DRE_DS007_VC_S1		OCW_DRE_DS007_VC_S2		OCW_DRE_DS007_VC_S3		OCW_DRE_DS008_VCA_S1		OCW_DRE_DS008_VCA_S2		OCW_DRE_DS009_VCB_S1		OCW_DRE_DS009_VCB_S2		OCW_DRE_DS010_VCC_S1		OCW_DRE_DS010_VCC_S2		OCW_DRE_DS011_VCB_S1		OCW_DRE_DS011_VCB_S2		OCW_DRE_DS012_VC_S1		
SAMPLING DATE						5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/5/2022		5/5/2022		5/5/2022		5/5/2022		4/27/2022		
SAMPLE AREA (See Figure)						Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		
SAMPLING PURPOSE						Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		
LAB SAMPLE ID						L2223875-18		L2223875-15		L2223875-16		L2223875-23		L2223875-11		L2223875-12		L2223875-07		L2223875-08		L2223875-01		L2223875-02		L2223875-03		L2223875-04		L2222114-03		
SAMPLE TYPE						Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		
SAMPLE MEDIA						Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
SAMPLE DEPTH (ft. below seabed)						6.2 - 6.7 ft.		0.0 - 2.7 ft.		2.7 - 6.8 ft.		6.8 - 7.3 ft.		0.0 - 3.5 ft.		3.5 - 4.0 ft.		0.0 - 4.0 ft.		4.0 - 4.5 ft.		0.0 - 3.8 ft.		3.8 - 4.3 ft.		0.0 - 3.0 ft.		3.0 - 3.5 ft.		0.0 - 3.0 ft.		
	Analyte	CAS RN		ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
Volatile Organics by 8260 (Prep Method EPA 5035)																																
	1,1,1-Trichloroethane	71-55-6	-	-	-	mg/kg	-	-	0.00034	U	0.00094	U	-	-	0.0011	U	-	-	0.0034	U	-	-	0.0028	U	-	-	0.0014	U	-	-	0.0012	U
	1,1,2,2-Tetrachloroethane	79-34-5	-	-	-	mg/kg	-	-	0.00034	U	0.00094	U	-	-	0.0011	U	-	-	0.0034	U	-	-	0.0028	U	-	-	0.0014	U	-	-	0.0012	U
	1,1,2-Trichloroethane	79-00-5	-	-	-	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U	-	-	0.0028	U	-	-	0.0024	U
	1,1-Dichloroethane	75-34-3	-	-	-	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U	-	-	0.0028	U	-	-	0.0024	U
	1,1-Dichloroethene	75-35-4	-	-	-	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U	-	-	0.0028	U	-	-	0.0024	U
	1,2,3-Trichlorobenzene	87-61-6	-	-	-	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U	-	-	0.0055	U	-	-	0.0047	U
	1,2,3-Trichloropropane	96-18-4	-	-	-	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U	-	-	0.0055	U	-	-	0.0047	U
	1,2,4-Trichlorobenzene	120-82-1	-	-	0.0048	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U	-	-	0.0055	U	-	-	0.0047	U
	1,2,4-Trimethylbenzene	95-63-6	-	-	-	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.0029	J	-	-	0.011	U	-	-	0.0055	U	-	-	0.0047	U
	1,2-Dibromo-3-chloropropane	96-12-8	-	-	-	mg/kg	-	-	0.002	U	0.0056	U	-	-	0.0065	U	-	-	0.02	U	-	-	0.017	U	-	-	0.0083	U	-	-	0.0071	U
	1,2-Dibromoethane	106-93-4	-	-	-	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U	-	-	0.0028	U	-	-	0.0024	U
	1,2-Dichlorobenzene	95-50-1	-	-	0.013	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U	-	-	0.0055	U	-	-	0.0047	U
	1,2-Dichloroethane	107-06-2	-	-	-	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U	-	-	0.0028	U	-	-	0.0024	U
	1,2-Dichloropropane	78-87-5	-	-	-	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U	-	-	0.0028	U	-	-	0.0024	U
	1,3,5-Trimethylbenzene	108-67-8	-	-	-	mg/kg	-	-	0.0014	U	0.0012	J	-	-	0.0043	U	-	-	0.029	U	-	-	0.011	U	-	-	0.0055	U	-	-	0.0047	U
	1,3-Dichlorobenzene	541-73-1	-	-	-	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U	-	-	0.0055	U	-	-	0.0047	U
	1,4-Dichlorobenzene	106-46-7	-	-	0.110	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U	-	-	0.0055	U	-	-	0.0047	U
	1,4-Dioxane	123-91-1	-	-	-	mg/kg	-	-	0.054	U	0.15	U	-	-	0.17	U	-	-	0.54	U	-	-	0.44	U	-	-	0.22	U	-	-	0.19	U
	2-Butanone	78-93-3	-	-	-	mg/kg	-	-	0.0068	U	0.011	J	-	-	0.025	U	-	-	0.11	U	-	-	0.058	U	-	-	0.026	J	-	-	0.014	J
	2-Hexanone	591-78-6	-	-	-	mg/kg	-	-	0.0068	U	0.019	U	-	-	0.022	U	-	-	0.067	U	-	-	0.056	U	-	-	0.028	U	-	-	0.024	U
	4-Methyl-2-pentanone	108-10-1	-	-	-	mg/kg	-	-	0.0068	U	0.019	U	-	-	0.022	U	-	-	0.067	U	-	-	0.056	U	-	-	0.028	U	-	-	0.024	U
	Acetone	67-64-1	-	-	-	mg/kg	-	-	0.0093	J	0.071		-	-	0.14		-	-	0.59		-	-	0.27		-	-	0.16		-	-	0.08	
	Benzene	71-43-2	0.34	-	-	mg/kg	-	-	0.00034	U	0.00094	U	-	-	0.0011	U	-	-	0.0034	U	-	-	0.0028	U	-	-	0.0014	U	-	-	0.0012	U
	Bromochloromethane	74-97-5	-	-	-	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U	-	-	0.0055	U	-	-	0.0047	U
	Bromodichloromethane	75-27-4	-	-	-	mg/kg	-	-	0.00034	U	0.00094	U	-	-	0.0011	U	-	-	0.0034	U	-	-	0.0028	U	-	-	0.0014	U	-	-	0.0012	U
	Bromoform	75-25-2	-	-	-	mg/kg	-	-	0.0027	U	0.0075	U	-	-	0.0087	U	-	-	0.027	U	-	-	0.022	U	-	-	0.011	U	-	-	0.0094	U
	Bromomethane	74-83-9	-	-	-	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U	-	-	0.0055	U	-	-	0.0047	U
	Carbon disulfide	75-15-0	-	-	-	mg/kg	-	-	0.0068	U	0.019	U	-	-	0.022	U	-	-	0.032	J	-	-	0.056	U	-	-	0.014	J	-	-	0.012	J
	Carbon tetrachloride	56-23-5	-	-	-	mg/kg	-	-	0.00068	U	0.0019	U	-	-	0.0022	U	-	-	0.0067	U	-	-	0.0056	U	-	-	0.0028	U	-	-	0.0024	U
	Chlorobenzene	108-90-7	-	-	-	mg/kg	-	-	0.00034	U	0.00094	U	-	-	0.0011	U	-	-	0.0034	U	-	-	0.0028	U	-	-	0.0014	U	-	-	0.0012	U
	Chloroethane	75-00-3	-	-	-	mg/kg	-	-	0.0014	U	0.0038	U	-	-	0.0043	U	-	-	0.013	U	-	-	0.011	U	-	-	0.0055	U	-	-	0.0047	U
	Chloroform	67-66-3	-	-	-	mg/kg	-	-	0.001	U	0.0028	U	-	-	0.00044	J	-	-	0.01	U	-	-	0.0083	U	-	-	0.0042	U	-	-	0.0035	U
	Chloromethane	74-87-3	-	-	-	mg/kg	-	-	0.0027	U	0.0075	U	-	-	0.0087	U	-	-														

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Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS006	DS007	DS007	DS007	DS008	DS008	DS009	DS009	DS010	DS010	DS011	DS011	DS012	
SAMPLE ID					OCW_DRE_DS006_VC_S2	OCW_DRE_DS007_VC_S1	OCW_DRE_DS007_VC_S2	OCW_DRE_DS007_VC_S3	OCW_DRE_DS008_VCA_S1	OCW_DRE_DS008_VCA_S2	OCW_DRE_DS009_VCB_S1	OCW_DRE_DS009_VCB_S2	OCW_DRE_DS010_VCC_S1	OCW_DRE_DS010_VCC_S2	OCW_DRE_DS011_VCB_S1	OCW_DRE_DS011_VCB_S2	OCW_DRE_DS012_VC_S1	
SAMPLING DATE					5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/5/2022	5/5/2022	5/5/2022	5/5/2022	4/27/2022	
SAMPLE AREA (See Figure)					Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	
SAMPLING PURPOSE					Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	
LAB SAMPLE ID					L2223875-18	L2223875-15	L2223875-16	L2223875-23	L2223875-11	L2223875-12	L2223875-07	L2223875-08	L2223875-01	L2223875-02	L2223875-03	L2223875-04	L2222114-03	
SAMPLE TYPE					Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	
SAMPLE MEDIA					Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	
SAMPLE DEPTH (ft. below seabed)					6.2 - 6.7 ft.	0.0 - 2.7 ft.	2.7 - 6.8 ft.	6.8 - 7.3 ft.	0.0 - 3.5 ft.	3.5 - 4.0 ft.	0.0 - 4.0 ft.	4.0 - 4.5 ft.	0.0 - 3.8 ft.	3.8 - 4.3 ft.	0.0 - 3.0 ft.	3.0 - 3.5 ft.	0.0 - 3.0 ft.	
Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
4-Chlorophenyl-phenylether	7005-72-3	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
4-Methylphenol	106-44-5	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0152	J	0.208	U
4-Nitroaniline	100-01-6	-	-	mg/kg	1.64	U	0.464	U	0.391	U	0.655	U	0.33	U	0.526	U	1.25	U
4-Nitrophenol	100-02-7	-	-	mg/kg	4.54	U	1.28	U	1.08	U	1.81	U	0.912	U	1.45	U	3.45	U
Acetophenone	98-86-2	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Atrazine	1912-24-9	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Benzaldehyde	100-52-7	-	-	mg/kg	0.119	J	0.0773	U	0.0227	J	0.0375	J	0.0155	J	0.0275	J	0.0761	J
Biphenyl	92-52-4	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
bis(2-Chloroethoxy)methane	111-91-1	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
bis(2-Chloroethyl)ether	111-44-4	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
bis(2-chloroisopropyl)ether	108-60-1	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
bis(2-Ethylhexyl)phthalate	117-81-7	0.18216	2.64651	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Butylbenzylphthalate	85-68-7	-	0.063	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Caprolactam	105-60-2	-	-	mg/kg	0.547	U	0.154	U	0.0126	J	0.218	U	0.11	U	0.175	U	0.416	U
Carbazole	86-74-8	-	-	mg/kg	0.16	J	0.0773	U	0.0242	J	0.0544	J	0.0138	J	0.0258	J	0.127	J
Dibenzofuran	132-64-9	-	-	mg/kg	0.0645	J	0.0773	U	0.0651	U	0.0124	J	0.055	U	0.0112	J	0.0304	J
Diethylphthalate	84-66-2	-	0.006	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Dimethylphthalate	131-11-3	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Di-n-butylphthalate	84-74-2	-	0.058	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Di-n-octylphthalate	117-84-0	-	-	mg/kg	0.547	U	0.154	U	0.13	U	0.218	U	0.11	U	0.175	U	0.416	U
Hexachlorobenzene	118-74-1	0.02	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Hexachlorobutadiene	87-68-3	-	0.0013	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Hexachlorocyclopentadiene	77-47-4	-	-	mg/kg	1.64	U	0.464	U	0.391	U	0.655	U	0.33	U	0.526	U	1.25	U
Hexachloroethane	67-72-1	-	0.073	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Isophorone	78-59-1	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Nitrobenzene	98-95-3	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
N-Nitroso-di-n-propylamine	621-64-7	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
n-Nitrosodiphenylamine	86-30-6	-	-	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Pentachlorophenol	87-86-5	-	0.017	mg/kg	1.64	U	0.464	U	0.391	U	0.655	U	0.33	U	0.526	U	1.25	U
Phenol	108-95-2	-	0.130	mg/kg	0.273	U	0.0773	U	0.0651	U	0.109	U	0.055	U	0.0876	U	0.208	U
Pyridine	110-86-1	-	-	mg/kg	1.09	U	0.309	U	0.26	U	0.436	U	0.22	U	0.35	U	0.832	U
PAHs by GC/MS-SIM																		
1-Methylnaphthalene	90-12-0	-	-	mg/kg	0.0439		0.00442	U	0.00317	J	0.0155		0.00323	J	0.00952	J	0.012	J
2-Methylnaphthalene	91-57-6	0.07	0.67	mg/kg	0.0753		0.00096	J	0.0053	J	0.0246		0.00546	J	0.0206		0.0264	J
Acenaphthene	83-32-9	0.016	0.5	mg/kg	0.124		0.00442	U	0.00823		0.0301		0.00822		0.0204		0.026	
Acenaphthylene	208-96-8	0.044	0.64	mg/kg	0.107		0.00442	U	0.00344	J	0.0146		0.00508	J	0.0169		0.0146	J
Anthracene	120-12-7	0.085	1.1	mg/kg	0.236		0.00442	U	0.00895		0.0434		0.0107		0.0396		0.0365	J
Benz(a)anthracene	56-55-3	0.261	1.6	mg/kg	1.1		0.00442	U	0.021		0.16		0.0442		0.131		0.0878	J
Benzo(a)pyrene	50-32-8	0.43	1.6	mg/kg	1.19		0.00488		0.0231		0.143		0.0429		0.15		0.0973	J
Benzo(b)fluoranthene	205-99-2	-	1.8	mg/kg	1.18		0.00442	U	0.0299		0.174		0.0545		0.166		0.127	J
Benzo(g,h,i)perylene	191-24-2	0.17	-	mg/kg	0.735		0.0005	J	0.0169		0.095		0.0281		0.102		0.077	J
Benzo(k)fluoranthene	207-08-9	0.24	-	mg/kg	0.981		0.00442	U	0.0189		0.11		0.0359		0.119		0.0783	J
Chrysene	218-01-9	0.384	2.8	mg/kg	1.26		0.00442	U	0.028		0.159		0.0553		0.17		0.121	J
Dibenz(a,h)anthracene	53-70-3	0.063	0.26	mg/kg	0.19		0.00442	U	0.00382	J	0.023		0.00679		0.0248		0.0168	J
Fluoranthene	206-44-0	0.6	5.1	mg/kg	2.75		0.00442	U	0.0728		0.466		0.1		0.399		0.281	J
Fluorene	86-73-7	0.019	0.54	mg/kg	0.181		0.00442	U	0.00835		0.0422		0.00884		0.0324		0.0277	J
Indeno(1,2,3-cd)pyrene	193-39-5	0.2	-	mg/kg	0.75		0.00442	U	0.0176		0.098		0.0296		0.102		0.0762	J
Naphthalene	91-20-3	0.16	2.1	mg/kg	0.159		0.00823		0.00901		0.0328		0.0162		0.0351		0.0499	J
Phenanthrene	85-01-8	0.24	1.5	mg/kg	1.66		0.00442	U	0.0353		0.31		0.0515		0.243		0.137	J
Pyrene	129-00-0	0.665	2.6	mg/kg	2.4		0.00442	U	0.0524		0.347		0.0727		0.302		0.206	J
Total Detected PAHs*		4	45		15.1222		0.01457		0.36617		2.2882		0.57922		2.06332		1.4985	J
Organochlorine Pesticides by GC																		

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Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS006	DS007	DS007	DS007	DS008	DS008	DS009	DS009	DS010	DS010	DS011	DS011	DS012
SAMPLE ID					OCW_DRE_DS006_VC_S2	OCW_DRE_DS007_VC_S1	OCW_DRE_DS007_VC_S2	OCW_DRE_DS007_VC_S3	OCW_DRE_DS008_VCA_S1	OCW_DRE_DS008_VCA_S2	OCW_DRE_DS009_VCB_S1	OCW_DRE_DS009_VCB_S2	OCW_DRE_DS010_VCC_S1	OCW_DRE_DS010_VCC_S2	OCW_DRE_DS011_VCB_S1	OCW_DRE_DS011_VCB_S2	OCW_DRE_DS012_VC_S1
SAMPLING DATE					5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/6/2022	5/5/2022	5/5/2022	5/5/2022	5/5/2022	4/27/2022
SAMPLE AREA (See Figure)					Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel
SAMPLING PURPOSE					Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material
LAB SAMPLE ID					L2223875-18	L2223875-15	L2223875-16	L2223875-23	L2223875-11	L2223875-12	L2223875-07	L2223875-08	L2223875-01	L2223875-02	L2223875-03	L2223875-04	L2222114-03
SAMPLE TYPE					Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
SAMPLE MEDIA					Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
SAMPLE DEPTH (ft. below seabed)					6.2 - 6.7 ft.	0.0 - 2.7 ft.	2.7 - 6.8 ft.	6.8 - 7.3 ft.	0.0 - 3.5 ft.	3.5 - 4.0 ft.	0.0 - 4.0 ft.	4.0 - 4.5 ft.	0.0 - 3.8 ft.	3.8 - 4.3 ft.	0.0 - 3.0 ft.	3.0 - 3.5 ft.	0.0 - 3.0 ft.
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Polychlorinated Biphenyls by GC																	
	Aroclor 1016	12674-11-2	0.007	-	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U
	Aroclor 1221	11104-28-2	-	-	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U
	Aroclor 1232	11141-16-5	-	-	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U
	Aroclor 1242	53469-21-9	-	-	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U
	Aroclor 1248	12672-29-6	0.03	-	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U
	Aroclor 1254	11097-69-1	0.06	-	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U
	Aroclor 1260	11096-82-5	0.005	-	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U
	Aroclor 1262	37324-23-5	-	-	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U
	Aroclor 1268	11100-14-4	-	-	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U
	PCBs, Total	1336-36-3	0.023	0.18	mg/kg	0.0606	U	0.00876	U	0.0144	U	0.0236	U	0.0117	U	0.0196	U
Total Metals																	
	Aluminum, Total	7429-90-5	-	18000	mg/kg	26000		231		2450		4040		1950		6940	
	Antimony, Total	7440-36-0	-	9.3	mg/kg	12.9	U	1.89	U	2.98	U	0.558	J	2.52	U	4.08	U
	Arsenic, Total	7440-38-2	8.2	70	mg/kg	18.5		0.249	J	2.87		4.52		2.07		6.04	
	Barium, Total	7440-39-3	-	48	mg/kg	68.4		0.743	J	6.66		12.3		5.04		18.4	
	Beryllium, Total	7440-41-7	-	-	mg/kg	1.56	J	0.354	U	0.197	J	0.342	J	0.156	J	0.44	J
	Cadmium, Total	7440-43-9	1.2	9.6	mg/kg	4.58		0.032	J	0.986		2.84		0.861		1.23	
	Calcium, Total	7440-70-2	-	-	mg/kg	10700		157	J	2560		5800		1980		3390	
	Chromium, Total	7440-47-3	81	370	mg/kg	106		1.02	J	10.5		18.1		7.91		30.1	
	Cobalt, Total	7440-48-4	-	10	mg/kg	20.3		0.154	J	3.14		5.18		2.34		6.25	
	Copper, Total	7440-50-8	34	270	mg/kg	98		0.664	J	13.4		24.4		13.2		28.7	
	Iron, Total	7439-89-6	-	-	mg/kg	57900		428		5870		10600		4540		16300	
	Lead, Total	7439-92-1	47	218	mg/kg	158		0.844		19.1		37.7		16.3		46.4	
	Magnesium, Total	7439-95-4	-	-	mg/kg	18800		313		2980		6740		2630		5580	
	Manganese, Total	7439-96-5	-	260	mg/kg	395		3.52		48.9		79.6		33.6		115	
	Mercury, Total	7439-97-6	0.15	0.71	mg/kg	3.34		0.014	U	0.131		0.719		0.134		1.11	
	Nickel, Total	7440-02-0	21	52	mg/kg	59.5		0.482	J	7.36		15.5		5.5		17.7	
	Potassium, Total	7440-09-7	-	-	mg/kg	8410		131		967		1770		817		2420	
	Selenium, Total	7782-49-2	-	1	mg/kg	6.23	J	2.36	U	3.72	U	6.5	U	3.16	U	5.1	U
	Silver, Total	7440-22-4	1	3.7	mg/kg	0.893	J	0.59	U	0.142	J	0.205	J	0.114	J	0.242	J
	Sodium, Total	7440-23-5	-	-	mg/kg	43800		1760		8460		19600		8570		14400	
	Thallium, Total	7440-28-0	-	-	mg/kg	0.936	J	0.472	U	0.443	J	0.309	J	0.192	J	0.331	J
	Tin, Total	7440-31-5	-	3.4	mg/kg	9.97		1.42	U	1.7	J	2.22	J	1.05	J	2.94	J
	Vanadium, Total	7440-62-2	-	57	mg/kg	119		0.864	J	12.8		22.7		10.1		35.2	
	Zinc, Total	7440-66-6	150	410	mg/kg	391		11.8	U	70.3		152		59.4		114	
Total Organic Carbon																	
	Total Organic Carbon (Rep1)	7440-44-0	-	-	mg/kg	42700		600		25600		93300		69900		48100	
	Total Organic Carbon (Rep2)	7440-44-0	-	-	mg/kg	49500		808		27500		106000		39800		44500	
	Total Organic Carbon (Average)	7440-44-0	-	-	mg/kg	46100		704		26500		99800		54900		46300	
General Chemistry																	
	Chromium, Trivalent	18065-83-1	-	-	mg/kg	110		2.4	U	10		18		7.9		30	
	Solids, Total	NONE	-	-	%	12		83.8		50.9		30.3		59.6		37.8	
	Cyanide, Total	57-12-5	-	-	mg/kg	7.8	U	1.2	U	1.8	U	3.2	U	1.5	U	2.5	U
	Moisture	NONE	-	-	%	88		16.2		49.1		69.7		40.4		62.2	
	WATER CONTENT	NONE	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-
Grain Size Analysis																	
	Cobbles	NONE	-	-	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	% Coarse Gravel	NONE	-	-	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	% Fine Gravel	NONE	-	-	%	0.6		0.1	U	24		29.6		0.1	U	5.4	
	% Coarse Sand	NONE	-	-	%	13.6		0.1	U	23.5		6.7		0.6		15.2	
	% Medium Sand	NONE	-	-	%	18.8		14.1		15.2		8.1		2.8		15	
	% Fine Sand	NONE	-	-	%	15.2		83.2		7.9		20.9		11.8		25.5	
	% Silt Fine	NONE	-	-	%	37.2		2.5		20.2		21.7		75.7		33.6	
	% Clay Fine	NONE	-	-	%	14.6		0.2		9.2		3.8		9.1		5.3	
	% Total Fines	NONE	-	-	%	51.8		2.7		29.4		25.5		84.8		38.9	
NJ Hexavalent Chromium																	
	Chromium, Hexavalent	18540-29-9	-	-	mg/kg	6.67	U	0.955	U	1.57	U	2.64	U	1.34	U	2.12	U
	pH	12408-02-5	-	-	SU	7.3		8.3		8.3		7.8		8		7.6	
	Oxidation/Reduction Potential	NONE	-	-	mv	170		140		170		240		140		150	
Dioxins & Furans by Isotope Dilution HRMS																	
	1,2,3,4,6,7,8-HpCDD	35822-46-9	-	-	mg/kg	-	-	0.00000179	J	0.000009		-	-	0.00000774		-	-
	1,2,3,4,6,7,8-HpCDF	67562-39-9	-	-	mg/kg	-	-	0.0000029	U	0.00000265	J	-	-	0.00000336	J	-	-
	1,2,3,4,7,8,9-HpCDF	55673-89-7	-	-	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-
	1,2,3,4,7,8-HxCDD	39227-28-6	-	-	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-
	1,2,3,4,7,8-HxCDF	70648-26-9	-	-	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-
	1,2,3,6,7,8-HxCDD	57653-85-7	-	-	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-
	1,2,3,6,7,8-HxCDF	57117-44-9	-	-	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-
	1,2,3,7,8,9-HxCDD	19408-74-3	-	-	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-
	1,2,3,7,8,9-HxCDF	72918-21-9	-	-	mg/kg	-	-	0.0000029									

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID						DS006		DS007		DS007		DS007		DS008		DS008		DS009		DS009		DS010		DS010		DS011		DS011		DS012	
SAMPLE ID						OCW_DRE_DS006_VC_S2		OCW_DRE_DS007_VC_S1		OCW_DRE_DS007_VC_S2		OCW_DRE_DS007_VC_S3		OCW_DRE_DS008_VCA_S1		OCW_DRE_DS008_VCA_S2		OCW_DRE_DS009_VCB_S1		OCW_DRE_DS009_VCB_S2		OCW_DRE_DS010_VCC_S1		OCW_DRE_DS010_VCC_S2		OCW_DRE_DS011_VCB_S1		OCW_DRE_DS011_VCB_S2		OCW_DRE_DS012_VC_S1	
SAMPLING DATE						5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/6/2022		5/5/2022		5/5/2022		5/5/2022		5/5/2022		4/27/2022	
SAMPLE AREA (See Figure)						Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel	
SAMPLING PURPOSE						Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material	
LAB SAMPLE ID						L2223875-18		L2223875-15		L2223875-16		L2223875-23		L2223875-11		L2223875-12		L2223875-07		L2223875-08		L2223875-01		L2223875-02		L2223875-03		L2223875-04		L2222114-03	
SAMPLE TYPE						Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
SAMPLE MEDIA						Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
SAMPLE DEPTH (ft. below seabed)						6.2 - 6.7 ft.		0.0 - 2.7 ft.		2.7 - 6.8 ft.		6.8 - 7.3 ft.		0.0 - 3.5 ft.		3.5 - 4.0 ft.		0.0 - 4.0 ft.		4.0 - 4.5 ft.		0.0 - 3.8 ft.		3.8 - 4.3 ft.		0.0 - 3.0 ft.		3.0 - 3.5 ft.		0.0 - 3.0 ft.	
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	Total HpCDD	37871-00-4	-	-	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.000117		-	-	0.0000924		-	-	0.0000868	
	Total HpCDF	38998-75-3	-	-	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000564		-	-	0.0000152	U	-	-	0.0000189		-	-	0.0000141		-	-	0.0000344	
	Total HxCDD	34465-46-8	-	-	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.0000164		-	-	0.0000262	
	Total HxCDF	55684-94-1	-	-	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000804	
	Total PCDD	null	-	-	mg/kg	-	-	0.0000231	B	0.0000824	B	-	-	0.0000716	B	-	-	0.000493	B	-	-	0.00071	B	-	-	0.000482	B	-	-	0.000581	
	Total PCDF	null	-	-	mg/kg	-	-	0.00000058	U	0.00000839	B	-	-	0.0000181	B	-	-	0.0000342	B	-	-	0.0000673	B	-	-	0.0000469	B	-	-	0.000125	
	Total PeCDD	36088-22-9	-	-	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000602	U
	Total PeCDF	30402-15-4	-	-	mg/kg	-	-	0.0000029	U	0.0000048	U	-	-	0.00000408	U	-	-	0.0000152	U	-	-	0.0000104	U	-	-	0.00000801	U	-	-	0.00000602	U
	Total TCDD	41903-57-5	-	-	mg/kg	-	-	0.00000058	U	0.000000961	U	-	-	0.000000817	U	-	-	0.00000305	U	-	-	0.00000207	U	-	-	0.0000041		-	-	0.0000012	U
	Total TCDF	55722-27-5	-	-	mg/kg	-	-	0.00000058	U	0.00000839		-	-	0.000000817	U	-	-	0.0000342		-	-	0.0000484		-	-	0.0000328		-	-	0.0000348	
	Toxic Equivalency (TEQ)	null	-	-	mg/kg	-	-	0.000000007		0.000000115		-	-	0.000000103		-	-	0.000000148		-	-	0.00000155		-	-	0.00000268		-	-	0.00000124	

FOOTNOTES
Results Column = reported detected concentration or reporting limit (for non-detects).
ER-L: New Jersey Effects Range Low (ER-L) Saline Water Sediment Criteria Criteria per March 10, 2009 Guidance Document.
ER-M: New Jersey Effects Range Medium (ER-M) Saline Water Sediment Criteria Criteria per March 10, 2009 Guidance Document.

Criteria Exceedances (see above description)
RL exceeds minimum of ER-L/ER-M

	Gray shading.
Detection Exceeds ER-L	Yellow shading.
Detection Exceeds ER-M	Orange shading.

Note: shading of criteria column indicates one or more exceedances of the corresponding criteria (either detected concentration or RL) and is provided for reader convenience.
RL = Reporting Limit
* Total Detected PAHs: Sum of detected compounds only.
** Chlordane (sum of alpha/gamma): Sum of alpha and gamma Chlordane. When both alpha and gamma are not detected the max of the reporting limits is shown; otherwise it is the sum of detected concentrations.

Qualifiers ("Qual" Column)
U - Analyte not detected at a concentration above the reporting detection limit (the value shown for non-detects)
B - Analyte detected above the reporting limit in an associated quality control blank.
J - Analyte positively identified; concentration estimated.

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Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS012	DS013		DS013		DS013		DS014		DS014		DS015		DS015		DS016		DS016		DS016		DS017		DS017	
SAMPLE ID					OCW_DRE_DS012_VC_S2	OCW_DRE_DS013_VCB_S1	OCW_DRE_DS013_VCB_S1D	OCW_DRE_DS013_VCB_S2	OCW_DRE_DS014_VCB_S1	OCW_DRE_DS014_VCB_S2	OCW_DRE_DS014_VCB_S1	OCW_DRE_DS015_VCB_S1	OCW_DRE_DS015_VCB_S2	OCW_DRE_DS015_VCB_S1	OCW_DRE_DS016_VC_S1	OCW_DRE_DS016_VC_S3	OCW_DRE_DS016_VC_S2	OCW_DRE_DS016_VC_S1	OCW_DRE_DS016_VC_S3	OCW_DRE_DS016_VC_S2	OCW_DRE_DS017_VC_S1	OCW_DRE_DS017_VC_S3	OCW_DRE_DS017_VC_S2	OCW_DRE_DS017_VC_S1	OCW_DRE_DS017_VC_S3	OCW_DRE_DS017_VC_S2	OCW_DRE_DS017_VC_S1	OCW_DRE_DS017_VC_S3	
SAMPLING DATE					4/27/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	
SAMPLE AREA (See Figure)					Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	
SAMPLING PURPOSE					Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	
LAB SAMPLE ID					L222114-04	L2223507-05	L2223507-06	L2223507-07	L2223507-03	L2223507-04	L2223507-08	L2223507-09	L2221764-01	L2221764-07	L2221764-02	L2221473-03	L2221473-04												
SAMPLE TYPE					Field Sample	Field Sample	Field Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	
SAMPLE MEDIA					Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	
SAMPLE DEPTH (ft. below seabed)					3.0 - 3.5 ft.	0.0 - 1.1 ft.	0.0 - 1.1 ft.	1.1 - 1.6 ft.	0.0 - 0.7 ft.	0.7 - 1.2 ft.	0.0 - 1.3 ft.	1.3 - 1.8 ft.	0.0 - 4.0 ft.	4.0 - 7.4 ft.	7.4 - 7.7 ft.	0.0 - 7.4 ft.	7.4 - 7.9 ft.												
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by 8260 (Prep Method EPA 5035)																													
	1,1,1-Trichloroethane	71-55-6	-	-	mg/kg	-	-	0.00055	U	0.0016	U	-	-	0.00057	U	-	-	0.00075	U	-	-	0.00033	U	0.00041	U	-	-	0.00074	U
	1,1,2,2-Tetrachloroethane	79-34-5	-	-	mg/kg	-	-	0.00055	U	0.0016	U	-	-	0.00057	U	-	-	0.00075	U	-	-	0.00033	U	0.00041	U	-	-	0.00074	U
	1,1,2-Trichloroethane	79-00-5	-	-	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	0.00082	U	-	-	0.0015	U
	1,1-Dichloroethane	75-34-3	-	-	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	0.00082	U	-	-	0.0015	U
	1,1-Dichloroethene	75-35-4	-	-	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	0.00082	U	-	-	0.0015	U
	1,2,3-Trichlorobenzene	87-61-6	-	-	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	0.0016	U	-	-	0.003	U
	1,2,3-Trichloropropane	96-18-4	-	-	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	0.0016	U	-	-	0.003	U
	1,2,4-Trichlorobenzene	120-82-1	-	0.0048	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	0.0016	U	-	-	0.003	U
	1,2,4-Trimethylbenzene	95-63-6	-	-	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	0.0016	U	-	-	0.003	U
	1,2-Dibromo-3-chloropropane	96-12-8	-	-	mg/kg	-	-	0.0033	U	0.0095	U	-	-	0.0034	U	-	-	0.0045	U	-	-	0.002	U	0.0024	U	-	-	0.0044	U
	1,2-Dibromoethane	106-93-4	-	-	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	0.00082	U	-	-	0.0015	U
	1,2-Dichlorobenzene	95-50-1	-	0.013	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	0.0016	U	-	-	0.003	U
	1,2-Dichloroethane	107-06-2	-	-	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	0.00082	U	-	-	0.0015	U
	1,2-Dichloropropane	78-87-5	-	-	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	0.00082	U	-	-	0.0015	U
	1,3,5-Trimethylbenzene	108-67-8	-	-	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	0.0016	U	-	-	0.003	U
	1,3-Dichlorobenzene	541-73-1	-	-	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	0.0016	U	-	-	0.003	U
	1,4-Dichlorobenzene	106-46-7	-	0.110	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	0.0016	U	-	-	0.003	U
	1,4-Dioxane	123-91-1	-	-	mg/kg	-	-	0.088	U	0.25	U	-	-	0.091	U	-	-	0.12	U	-	-	0.065	U	0.065	U	-	-	0.12	U
	2-Butanone	78-93-3	-	-	mg/kg	-	-	0.0042	J	0.032	U	-	-	0.011	U	-	-	0.0059	J	-	-	0.0017	J	0.002	J	-	-	0.012	J
	2-Hexanone	591-78-6	-	-	mg/kg	-	-	0.011	U	0.032	U	-	-	0.011	U	-	-	0.015	U	-	-	0.0066	U	0.0082	U	-	-	0.015	U
	4-Methyl-2-pentanone	108-10-1	-	-	mg/kg	-	-	0.011	U	0.032	U	-	-	0.011	U	-	-	0.015	U	-	-	0.0066	U	0.0082	U	-	-	0.015	U
	Acetone	67-64-1	-	-	mg/kg	-	-	0.035	U	0.058	J	-	-	0.044	U	-	-	0.056	U	-	-	0.0089	J	0.013	J	-	-	0.064	U
	Benzene	71-43-2	0.34	-	mg/kg	-	-	0.00055	U	0.0016	U	-	-	0.00057	U	-	-	0.00075	U	-	-	0.00033	U	0.00041	U	-	-	0.00074	U
	Bromochloromethane	74-97-5	-	-	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	0.0016	U	-	-	0.003	U
	Bromodichloromethane	75-27-4	-	-	mg/kg	-	-	0.00055	U	0.0016	U	-	-	0.00057	U	-	-	0.00075	U	-	-	0.00033	U	0.00041	U	-	-	0.00074	U
	Bromofom	75-25-2	-	-	mg/kg	-	-	0.0044	U	0.013	U	-	-	0.0046	U	-	-	0.006	U	-	-	0.0026	U	0.0033	U	-	-	0.0059	U
	Bromomethane	74-83-9	-	-	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	0.0016	U	-	-	0.003	U
	Carbon disulfide	75-15-0	-	-	mg/kg	-	-	0.011	U	0.032	U	-	-	0.011	U	-	-	0.015	U	-	-	0.0066	U	0.013	U	-	-	0.017	U
	Carbon tetrachloride	56-23-5	-	-	mg/kg	-	-	0.0011	U	0.0032	U	-	-	0.0011	U	-	-	0.0015	U	-	-	0.00066	U	0.00082	U	-	-	0.0015	U
	Chlorobenzene	108-90-7	-	-	mg/kg	-	-	0.00055	U	0.0016	U	-	-	0.00057	U	-	-	0.00075	U	-	-	0.00033	U	0.00041	U	-	-	0.00074	U
	Chloroethane	75-00-3	-	-	mg/kg	-	-	0.0022	U	0.0063	U	-	-	0.0023	U	-	-	0.003	U	-	-	0.0013	U	0.0016	U	-	-	0.003	U
	Chloroform	67-66-3	-	-	mg/kg	-	-	0.0016	U	0.0047	U	-	-	0.0017	U	-	-	0.0023	U	-	-	0.00099	U	0.0012	U	-	-	0.0022	U
	Chloromethane	74-87-3	-	-	mg/kg	-	-	0.0044	U	0.013	U	-	-	0.0046	U	-	-	0.006	U	-	-	0.0026							

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS012	DS013	DS013	DS013	DS014	DS014	DS015	DS015	DS016	DS016	DS016	DS017	DS017	
SAMPLE ID					OCW_DRE_DS012_VC_S2	OCW_DRE_DS013_VCB_S1	OCW_DRE_DS013_VCB_S1D	OCW_DRE_DS013_VCB_S2	OCW_DRE_DS014_VCB_S1	OCW_DRE_DS014_VCB_S2	OCW_DRE_DS015_VCB_S1	OCW_DRE_DS015_VCB_S2	OCW_DRE_DS016_VC_S1	OCW_DRE_DS016_VC_S3	OCW_DRE_DS016_VC_S2	OCW_DRE_DS016_VC_S1	OCW_DRE_DS017_VC_S2	
SAMPLING DATE					4/27/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	4/26/2022	4/26/2022	4/26/2022	4/25/2022	4/25/2022	
SAMPLE AREA (See Figure)					Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	
SAMPLING PURPOSE					Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	
LAB SAMPLE ID					L2222114-04	L2223507-05	L2223507-06	L2223507-07	L2223507-03	L2223507-04	L2223507-08	L2223507-09	L2221764-01	L2221764-07	L2221764-02	L2221473-03	L2221473-04	
SAMPLE TYPE					Field Sample	Field Sample	Field Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	
SAMPLE MEDIA					Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	
SAMPLE DEPTH (ft. below seabed)					3.0 - 3.5 ft.	0.0 - 1.1 ft.	0.0 - 1.1 ft.	1.1 - 1.6 ft.	0.0 - 0.7 ft.	0.7 - 1.2 ft.	0.0 - 1.3 ft.	1.3 - 1.8 ft.	0.0 - 4.0 ft.	4.0 - 7.4 ft.	7.4 - 7.7 ft.	0.0 - 7.4 ft.	7.4 - 7.9 ft.	
Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
4-Chlorophenyl-phenylether	7005-72-3	-	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
4-Methylphenol	106-44-5	-	-	mg/kg	0.0844	J	0.0478	U	0.0522	U	0.0249	J	0.0417	U	0.0418	U	0.00806	J
4-Nitroaniline	100-01-6	-	-	mg/kg	0.628	U	0.287	U	0.313	U	0.481	U	0.25	U	0.251	U	0.356	U
4-Nitrophenol	100-02-7	-	-	mg/kg	1.74	U	0.793	U	0.867	U	1.33	U	0.692	U	0.694	U	0.984	U
Acetophenone	98-86-2	-	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Atrazine	1912-24-9	-	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Benzaldehyde	100-52-7	-	-	mg/kg	0.0819	J	0.0151	J	0.0522	U	0.0358	J	0.0417	U	0.0418	U	0.0593	U
Biphenyl	92-52-4	-	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
bis(2-Chloroethoxy)methane	111-91-1	-	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
bis(2-Chloroethyl)ether	111-44-4	-	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
bis(2-chloroisopropyl)ether	108-60-1	-	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
bis(2-Ethylhexyl)phthalate	117-81-7	0.18216	2.64651	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0215	J
Butylbenzylphthalate	85-68-7	-	0.063	mg/kg	0.0243	J	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Caprolactam	105-60-2	-	-	mg/kg	0.0184	J	0.0956	U	0.104	U	0.16	U	0.00617	J	0.0836	U	0.118	U
Carbazole	86-74-8	-	-	mg/kg	0.1	J	0.0478	U	0.0522	U	0.0408	J	0.0417	U	0.0418	U	0.0593	U
Dibenzofuran	132-64-9	-	-	mg/kg	0.0174	J	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Diethylphthalate	84-66-2	-	0.006	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Dimethylphthalate	131-11-3	-	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Di-n-butylphthalate	84-74-2	-	0.058	mg/kg	0.0107	J	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Di-n-octylphthalate	117-84-0	-	-	mg/kg	0.209	U	0.0956	U	0.104	U	0.16	U	0.0834	U	0.0836	U	0.118	U
Hexachlorobenzene	118-74-1	0.02	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Hexachlorobutadiene	87-68-3	-	0.0013	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Hexachlorocyclopentadiene	77-47-4	-	-	mg/kg	0.628	U	0.287	U	0.313	U	0.481	U	0.25	U	0.251	U	0.356	U
Hexachloroethane	67-72-1	-	0.073	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Isophorone	78-59-1	-	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Nitrobenzene	98-95-3	-	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
N-Nitroso-di-n-propylamine	621-64-7	-	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
n-Nitrosodiphenylamine	86-30-6	-	-	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Pentachlorophenol	87-86-5	-	0.017	mg/kg	0.628	U	0.287	U	0.313	U	0.481	U	0.25	U	0.251	U	0.356	U
Phenol	108-95-2	-	0.130	mg/kg	0.105	U	0.0478	U	0.0522	U	0.0802	U	0.0417	U	0.0418	U	0.0593	U
Pyridine	110-86-1	-	-	mg/kg	0.419	U	0.191	U	0.209	U	0.321	U	0.00934	J	0.167	U	0.237	U
PAHs by GC/MS-SIM																		
1-Methylnaphthalene	90-12-0	-	-	mg/kg	0.015	J	0.00222	J	0.00189	J	0.00489	J	0.00055	J	0.00056	J	0.00161	J
2-Methylnaphthalene	91-57-6	0.07	0.67	mg/kg	0.0308	J	0.00444	J	0.00442	J	0.0096	J	0.00109	J	0.00134	J	0.00373	J
Acenaphthene	83-32-9	0.016	0.5	mg/kg	0.0186	J	0.0026	J	0.00202	J	0.00678	J	0.0049	U	0.00494	U	0.00199	J
Acenaphthylene	208-96-8	0.044	0.64	mg/kg	0.0218	J	0.00317	J	0.00513	J	0.00873	J	0.00078	J	0.00084	J	0.003	J
Anthracene	120-12-7	0.085	1.1	mg/kg	0.0528	J	0.00726	J	0.00726	J	0.0212	J	0.00102	J	0.00088	J	0.00441	J
Benzo(a)anthracene	56-55-3	0.261	1.6	mg/kg	0.107		0.0122		0.0213		0.0364		0.00277	J	0.00335	J	0.0142	J
Benzo(a)pyrene	50-32-8	0.43	1.6	mg/kg	0.115		0.0148		0.024		0.0459		0.00279	J	0.00396	J	0.0162	J
Benzo(b)fluoranthene	205-99-2	-	1.8	mg/kg	0.143		0.0177		0.0286		0.0538		0.00345	J	0.00421	J	0.0206	J
Benzo(g,h,i)perylene	191-24-2	0.17	-	mg/kg	0.0993		0.0126		0.0178		0.0384		0.00302	J	0.0035	J	0.0131	J
Benzo(k)fluoranthene	207-08-9	0.24	-	mg/kg	0.0998		0.0128		0.0166		0.0357		0.00278	J	0.00331	J	0.0139	J
Chrysene	218-01-9	0.384	2.8	mg/kg	0.128		0.0148		0.0229		0.0491		0.00253	J	0.00307	J	0.0184	J
Dibenz(a,h)anthracene	53-70-3	0.063	0.26	mg/kg	0.0214	J	0.00343	J	0.0045	J	0.00863	J	0.00126	J	0.00081	J	0.00311	J
Fluoranthene	206-44-0	0.6	5.1	mg/kg	0.247		0.026		0.0435		0.0966		0.0037	J	0.00419	J	0.0304	J
Fluorene	86-73-7	0.019	0.54	mg/kg	0.027	J	0.00362	J	0.0036	J	0.0102		0.00074	J	0.00037	J	0.00334	J
Indeno(1,2,3-cd)pyrene	193-39-5	0.2	-	mg/kg	0.0949		0.0118		0.0188		0.0357		0.0028	J	0.00321	J	0.0127	J
Naphthalene	91-20-3	0.16	2.1	mg/kg	0.0651		0.0148		0.0175		0.0228		0.00626	J	0.00886	J	0.0162	J
Phenanthrene	85-01-8	0.24	1.5	mg/kg	0.133		0.0116		0.0184		0.0528		0.00153	J	0.002	J	0.0121	J
Pyrene	129-00-0	0.665	2.6	mg/kg	0.202		0.0228		0.0372		0.0788		0.00275	J				

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Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS012	DS013	DS013	DS013	DS014	DS014	DS015	DS015	DS015	DS016	DS016	DS016	DS017	DS017													
SAMPLE ID					OCW_DRE_DS012_VC_S2	OCW_DRE_DS013_VCB_S1	OCW_DRE_DS013_VCB_S1D	OCW_DRE_DS013_VCB_S2	OCW_DRE_DS014_VCB_S1	OCW_DRE_DS014_VCB_S2	OCW_DRE_DS015_VCB_S1	OCW_DRE_DS015_VCB_S2	OCW_DRE_DS015_VCB_S1	OCW_DRE_DS016_VC_S1	OCW_DRE_DS016_VC_S2	OCW_DRE_DS016_VC_S3	OCW_DRE_DS017_VC_S1	OCW_DRE_DS017_VC_S2													
SAMPLING DATE					4/27/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	5/4/2022	4/26/2022	4/26/2022	4/26/2022	4/25/2022	4/25/2022													
SAMPLE AREA (See Figure)					Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Prior Channel	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.													
SAMPLING PURPOSE					Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Material to Remain													
LAB SAMPLE ID					L2222114-04	L2223507-05	L2223507-06	L2223507-07	L2223507-03	L2223507-04	L2223507-08	L2223507-09	L2221764-01	L2221764-07	L2221764-02	L2221473-03	L2221473-04														
SAMPLE TYPE					Field Sample	Field Sample	Field Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample													
SAMPLE MEDIA					Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment													
SAMPLE DEPTH (ft. below seabed)					3.0 - 3.5 ft.	0.0 - 1.1 ft.	0.0 - 1.1 ft.	1.1 - 1.6 ft.	0.0 - 0.7 ft.	0.7 - 1.2 ft.	0.0 - 1.3 ft.	1.3 - 1.8 ft.	0.0 - 4.0 ft.	4.0 - 7.4 ft.	7.4 - 7.7 ft.	0.0 - 7.4 ft.	7.4 - 7.9 ft.														
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual								
Polychlorinated Biphenyls by GC																															
	Aroclor 1016	12674-11-2	0.007	-	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00852	U	0.00887	U	0.0124	U	0.0152	U
	Aroclor 1221	11104-28-2	-	-	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00852	U	0.00887	U	0.0124	U	0.0152	U
	Aroclor 1232	11141-16-5	-	-	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00852	U	0.00887	U	0.0124	U	0.0152	U
	Aroclor 1242	53469-21-9	-	-	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00852	U	0.00887	U	0.0124	U	0.0152	U
	Aroclor 1248	12672-29-6	0.03	-	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00852	U	0.00887	U	0.0124	U	0.0152	U
	Aroclor 1254	11097-69-1	0.06	-	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00852	U	0.00887	U	0.0124	U	0.0152	U
	Aroclor 1260	11096-82-5	0.005	-	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00852	U	0.00887	U	0.0124	U	0.0152	U
	Aroclor 1262	37324-23-5	-	-	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00852	U	0.00887	U	0.0124	U	0.0152	U
	Aroclor 1268	11100-14-4	-	-	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00852	U	0.00887	U	0.0124	U	0.0152	U
	PCBs, Total	1336-36-3	0.023	0.18	mg/kg	0.0228	U	0.0108	U	0.0112	U	0.0178	U	0.00891	U	0.00913	U	0.0126	U	0.00883	U	0.00904	U	0.00852	U	0.00887	U	0.0124	U	0.0152	U
Total Metals																															
	Aluminum, Total	7429-90-5	-	18000	mg/kg	12500		3060		3100		6470		1090		1220		2650		1100		3860		1080		13100		11800		21500	
	Antimony, Total	7440-36-0	-	9.3	mg/kg	2.17	J	2.23	U	0.222	J	0.594	J	2	U	1.99	U	2.75	U	2	U	1.97	U	1.76	U	2.03	U	2.56	U	3.29	U
	Arsenic, Total	7440-38-2	8.2	70	mg/kg	13.9		3.59		3.55		7.26		1.5		2.22		3.1		1.61		4.38		0.644		4		10		14.8	
	Barium, Total	7440-39-3	-	48	mg/kg	38.2		8.74		8.36		19.8		2.95	J	3.26	J	7.17		3.68	J	10.6		3.88		28.1		34.9		67.1	
	Beryllium, Total	7440-41-7	-	-	mg/kg	0.87	J	0.213	J	0.213	J	0.474	J	0.374	U	0.372	U	0.198	J	0.375	U	0.181	J	0.331	U	0.509		0.499		0.979	
	Cadmium, Total	7440-43-9	1.2	9.6	mg/kg	1.32		0.356		0.354		0.773		0.056	J	0.093	J	0.309	J	0.038	J	0.071	J	0.22	U	0.05	J	0.132	J	0.07	J
	Calcium, Total	7440-70-2	-	-	mg/kg	5690		1400		1340		2810		1150		602	J	1180		460	J	1310		114	J	602	J	3360		3430	
	Chromium, Total	7440-47-3	81	370	mg/kg	60.2		13.3		13		30.4		4.42		5.5		11.6		4.19		12		2.74		29.2		37.4		64.4	
	Cobalt, Total	7440-48-4	-	10	mg/kg	10.8		2.84		2.77		5.78		0.975		1.18		2.7		0.886		2.25		1.14		11.4		6.84		17.9	
	Copper, Total	7440-50-8	34	270	mg/kg	54.6		11.6		11.1		25		3.05		9.72		1.19	J	3.77		0.718	J	9.92		10.3		16.5			
	Iron, Total	7439-89-6	-	-	mg/kg	28600		6880		6650		15000		2380		2890		6110		2450		7670		14400		14700		21500		47800	
	Lead, Total	7439-92-1	47	218	mg/kg	91.4		19		18.4		41.5		4.8		7.17		15.2		1.8		3.97		4.72		8.27		11.6			
	Magnesium, Total	7439-95-4	-	-	mg/kg	9000		2190		2230		4890		795		860		2030		744		2330		310		2880		6280		10700	
	Manganese, Total	7439-96-5	-	260	mg/kg	247		71.4		76.7		134		19.6		26.1		66.2		21.4		66.5		10.5		70.8		173		310	
	Mercury, Total	7439-97-6	0.15	0.71	mg/kg	3.22		0.386		0.463		1.29		0.027		0.06		0.449		0.005	J	0.016	J	0.008	J	0.028		0.027		0.021	J
	Nickel, Total	7440-02-0	21	52	mg/kg	28.9		7.4		7.31		17.6		2.3		2.65		6		2.27		6.49		1.63		19.5		19		36.6	
	Potassium, Total	7440-09-7	-	-	mg/kg	3820		862		856		1990		308		380		820		343		1000		150		1180		3210		5330	
	Selenium, Total	7782-49-2	-	1	mg/kg	2.85	J	2.78	U	3.05	U	4.71	U	2.5	U	2.48	U	3.44	U	2.5	U	1.76	J	2.2	U	3.54		4.48		7.62	
	Silver, Total	7440-22-4	1	3.7	mg/kg	0.64	J	0.132	J	0.14	J	0.285	J	0.624	U	0.621	U	0.117	J	0.625	U	0.616	U	0.551	U	0.634	U	0.801	U	1.03	U
	Sodium, Total	7440-23-5	-	-	mg/kg	16300		4680		4700		10900		2010		2000		5090		1790		2380		1030		3080		4830		6530	
	Thallium, Total	7440-28-0	-	-	mg/kg	0.324	J	0.136	J	0.236	J	0.315	J	0.142	J	0.107	J	0.138	J	0.073	J	0.102	J	0.133	J	0.112	J	0.314	J	0.388	J
	Tin, Total	7440-31-5	-	3.4	mg/kg	6.7		1.51	J	1.56	J	3.11		0.624	J	0.684	J	1.27	J	0.216	J	0.524	J	0.226	J	0.824	J	1.29	J	1.64	J
	Vanadium, Total	7440-62-2	-	57	mg/kg	63.2		14.4		14.6		33.6		4.38		5.51		12.3		4.73		12		2.42		33.7		34.6		62.2	
	Zinc, Total	7440-66-6	150	410	mg/kg	205		49.2		48.5		98		13.4		18		44.2		6.52	J										

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID						DS012		DS013		DS013		DS013		DS014		DS014		DS015		DS015		DS016		DS016		DS016		DS017		DS017	
SAMPLE ID						OCW_DRE_DS012_VCB_S2		OCW_DRE_DS013_VCB_S1		OCW_DRE_DS013_VCB_S1D		OCW_DRE_DS013_VCB_S2		OCW_DRE_DS014_VCB_S1		OCW_DRE_DS014_VCB_S2		OCW_DRE_DS015_VCB_S1		OCW_DRE_DS015_VCB_S2		OCW_DRE_DS016_VCB_S1		OCW_DRE_DS016_VCB_S2		OCW_DRE_DS016_VCB_S3		OCW_DRE_DS017_VCB_S1		OCW_DRE_DS017_VCB_S2	
SAMPLING DATE						4/27/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		5/4/2022		4/26/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022	
SAMPLE AREA (See Figure)						Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Prior Channel		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.	
SAMPLING PURPOSE						Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain	
LAB SAMPLE ID						L2222114-04		L2223507-05		L2223507-06		L2223507-07		L2223507-03		L2223507-04		L2223507-08		L2223507-09		L2221764-01		L2221764-07		L2221764-02		L2221473-03		L2221473-04	
SAMPLE TYPE						Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
SAMPLE MEDIA						Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
SAMPLE DEPTH (ft. below seabed)						3.0 - 3.5 ft.		0.0 - 1.1 ft.		0.0 - 1.1 ft.		1.1 - 1.6 ft.		0.0 - 0.7 ft.		0.7 - 1.2 ft.		0.0 - 1.3 ft.		1.3 - 1.8 ft.		0.0 - 4.0 ft.		4.0 - 7.4 ft.		7.4 - 7.7 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.	
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	Total HpCDD	37871-00-4	-	-	mg/kg	-	-	0.0000116		0.00000732		-	-	0.00000641		-	-	0.0000302		-	-	0.00000804		0.000025		-	-	0.00004		-	-
	Total HpCDF	38998-75-3	-	-	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.0000031	U	-	-	0.00000457		-	-	0.00000317	U	0.00000283	U	-	-	0.00000417	U	-	-
	Total HxCDD	34465-46-8	-	-	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.0000031	U	-	-	0.0000037		-	-	0.00000341		0.0000191		-	-	0.0000191		-	-
	Total HxCDF	55684-94-1	-	-	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.0000031	U	-	-	0.00000446	U	-	-	0.00000317	U	0.00000283	U	-	-	0.00000417	U	-	-
	Total PCDD	null	-	-	mg/kg	-	-	0.000146		0.0000986		-	-	0.0000757		-	-	0.000202		-	-	0.00007		0.000194		-	-	0.000275		-	-
	Total PCDF	null	-	-	mg/kg	-	-	0.0000177		0.0000113		-	-	0.0000101		-	-	0.0000129		-	-	0.00000633	U	0.00000565	U	-	-	0.00000834	U	-	-
	Total PeCDD	36088-22-9	-	-	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.0000031	U	-	-	0.00000446	U	-	-	0.00000317	U	0.00000599		-	-	0.00000417	U	-	-
	Total PeCDF	30402-15-4	-	-	mg/kg	-	-	0.00000359	U	0.00000381	U	-	-	0.0000031	U	-	-	0.00000446	U	-	-	0.00000317	U	0.00000283	U	-	-	0.00000417	U	-	-
	Total TCDD	41903-57-5	-	-	mg/kg	-	-	0.000000877		0.000000762	U	-	-	0.00000062	U	-	-	0.000000892	U	-	-	0.000000633	U	0.0000084		-	-	0.000000834	U	-	-
	Total TCDF	55722-27-5	-	-	mg/kg	-	-	0.00000807		0.000000853		-	-	0.00000062	U	-	-	0.00000831		-	-	0.00000633	U	0.00000565	U	-	-	0.000000834	U	-	-
	Toxic Equivalency (TEQ)	null	-	-	mg/kg	-	-	0.000000146		0.000000104		-	-	0.000000024		-	-	0.000000306		-	-	0.000000018		0.000000077		-	-	0.000000017		-	-

FOOTNOTES
Results Column = reported detected concentration or reporting limit (for non-detects).
ER-L: New Jersey Effects Range Low (ER-L) Saline Water Sediment Criteria Criteria per March 10, 2009 Guidance Document.
ER-M: New Jersey Effects Range Medium (ER-M) Saline Water Sediment Criteria Criteria per March 10, 2009 Guidance Document.

Criteria Exceedances (see above description)
RL exceeds minimum of ER-L/ER-M
Detection Exceeds ER-L
Detection Exceeds ER-M
Note: shading of criteria column indicates one or more exceedances of the corresponding criteria (either detected concentration or RL) and is provided for reader convenience.
RL = Reporting Limit
* Total Detected PAHs: Sum of detected compounds only.
** Chlordane (sum of alpha/gamma): Sum of alpha and gamma Chlordane. When both alpha and gamma are not detected the max of the reporting limits is shown; otherwise it is the sum of detected concentrations.

Qualifiers ("Qual" Column)
U - Analyte not detected at a concentration above the reporting detection limit (the value shown for non-detects)
B - Analyte detected above the reporting limit in an associated quality control blank.
J - Analyte positively identified; concentration estimated.

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS019		DS019		DS021		DS021		DS024		DS024		DS025		DS025		DS026		DS026		DS027		DS027		DS027		
SAMPLE ID					OCW_DRE_DS019_VC_S1		OCW_DRE_DS019_VC_S2		OCW_DRE_DS021_VC_S1		OCW_DRE_DS021_VC_S2		OCW_DRE_DS024_VC_S1		OCW_DRE_DS024_VC_S2		OCW_DRE_DS025_VC_S1		OCW_DRE_DS025_VC_S2		OCW_DRE_DS026_VC_S1		OCW_DRE_DS026_VC_S2		OCW_DRE_DS027_VC_S1		OCW_DRE_DS027_VC_S2		OCW_DRE_DS027_VC_S3		
SAMPLING DATE					4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/27/2022		4/27/2022		5/2/2022		5/2/2022		5/2/2022		
SAMPLE AREA (See Figure)					Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		
SAMPLING PURPOSE					Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		
LAB SAMPLE ID					L2221473-05		L2221473-06		L2221764-03		L2221764-04		L2221473-07		L2221473-08		L2221764-05		L2221764-06		L2222114-01		L2222114-02		L2222671-06		L2222671-07		L2222671-08		
SAMPLE TYPE					Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		
SAMPLE MEDIA					Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
SAMPLE DEPTH (ft. below seabed)					0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 9.7 ft.		9.7 - 9.9 ft.		0.0 - 9.7 ft.		0.0 - 9.7 ft.		9.7 - 10.0 ft.		
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by 8260 (Prep Method EPA 5035)																															
	1,1,1-Trichloroethane	71-55-6	-	-	mg/kg	0.00046	U	-	-	0.00073	U	-	-	0.00059	U	-	-	0.0011	U	-	-	0.0017	U	-	-	0.003	U	0.0018	U	-	-
	1,1,2,2-Tetrachloroethane	79-34-5	-	-	mg/kg	0.00046	U	-	-	0.00073	U	-	-	0.00059	U	-	-	0.0011	U	-	-	0.0017	U	-	-	0.003	U	0.0018	U	-	-
	1,1,2-Trichloroethane	79-00-5	-	-	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,1-Dichloroethane	75-34-3	-	-	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,1-Dichloroethene	75-35-4	-	-	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,2,3-Trichlorobenzene	87-61-6	-	-	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,2,3-Trichloropropane	96-18-4	-	-	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,2,4-Trichlorobenzene	120-82-1	-	0.0048	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,2,4-Trimethylbenzene	95-63-6	-	-	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,2-Dibromo-3-chloropropane	96-12-8	-	-	mg/kg	0.0028	U	-	-	0.0044	U	-	-	0.0035	U	-	-	0.0066	U	-	-	0.01	U	-	-	0.018	U	0.011	U	-	-
	1,2-Dibromoethane	106-93-4	-	-	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,2-Dichlorobenzene	95-50-1	-	0.013	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,2-Dichloroethane	107-06-2	-	-	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,2-Dichloropropane	78-87-5	-	-	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	1,3,5-Trimethylbenzene	108-67-8	-	-	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,3-Dichlorobenzene	541-73-1	-	-	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,4-Dichlorobenzene	106-46-7	-	0.110	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	1,4-Dioxane	123-91-1	-	-	mg/kg	0.073	U	-	-	0.12	U	-	-	0.094	U	-	-	0.17	U	-	-	0.27	U	-	-	0.47	U	0.29	U	-	-
	2-Butanone	78-93-3	-	-	mg/kg	0.0047	J	-	-	0.0063	J	-	-	0.0044	J	-	-	0.022	U	-	-	0.033	U	-	-	0.059	U	0.037	U	-	-
	2-Hexanone	591-78-6	-	-	mg/kg	0.0092	U	-	-	0.014	U	-	-	0.012	U	-	-	0.022	U	-	-	0.033	U	-	-	0.059	U	0.037	U	-	-
	4-Methyl-2-pentanone	108-10-1	-	-	mg/kg	0.0092	U	-	-	0.014	U	-	-	0.012	U	-	-	0.022	U	-	-	0.033	U	-	-	0.059	U	0.037	U	-	-
	Acetone	67-64-1	-	-	mg/kg	0.034	-	-	-	0.039	-	-	-	0.032	-	-	-	0.03	J	-	-	0.058	J	-	-	0.15	U	0.065	J	-	-
	Benzene	71-43-2	0.34	-	mg/kg	0.00046	U	-	-	0.00073	U	-	-	0.00059	U	-	-	0.0011	U	-	-	0.0017	U	-	-	0.003	U	0.0018	U	-	-
	Bromochloromethane	74-97-5	-	-	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	Bromodichloromethane	75-27-4	-	-	mg/kg	0.00046	U	-	-	0.00073	U	-	-	0.00059	U	-	-	0.0011	U	-	-	0.0017	U	-	-	0.003	U	0.0018	U	-	-
	Bromoform	75-25-2	-	-	mg/kg	0.0037	U	-	-	0.0058	U	-	-	0.0047	U	-	-	0.0087	U	-	-	0.013	U	-	-	0.024	U	0.015	U	-	-
	Bromomethane	74-83-9	-	-	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	Carbon disulfide	75-15-0	-	-	mg/kg	0.0066	J	-	-	0.012	J	-	-	0.018	-	-	-	0.03	-	-	-	0.024	J	-	-	0.059	U	0.023	J	-	-
	Carbon tetrachloride	56-23-5	-	-	mg/kg	0.00092	U	-	-	0.0014	U	-	-	0.0012	U	-	-	0.0022	U	-	-	0.0033	U	-	-	0.0059	U	0.0037	U	-	-
	Chlorobenzene	108-90-7	-	-	mg/kg	0.00046	U	-	-	0.00073	U	-	-	0.00059	U	-	-	0.0011	U	-	-	0.0017	U	-	-	0.003	U	0.0018	U	-	-
	Chloroethane	75-00-3	-	-	mg/kg	0.0018	U	-	-	0.0029	U	-	-	0.0023	U	-	-	0.0044	U	-	-	0.0067	U	-	-	0.012	U	0.0073	U	-	-
	Chloroform	67-66-3	-	-	mg/kg	0.0014	U	-	-	0.0022	U	-	-	0.0018	U	-	-	0.0033	U	-	-	0.005	U	-	-	0.0089	U	0.0055	U	-	-
	Chloromethane	74-87-3	-	-	mg/kg	0.0037	U	-	-	0.0058	U	-	-	0.0047	U	-	-	0.0087	U	-	-	0.013</									

OCEAN WIND 1

Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS019		DS019		DS021		DS021		DS024		DS024		DS025		DS025		DS026		DS026		DS027		DS027		DS027	
SAMPLE ID					OCW_DRE_DS019_VC_S1		OCW_DRE_DS019_VC_S2		OCW_DRE_DS021_VC_S1		OCW_DRE_DS021_VC_S2		OCW_DRE_DS024_VC_S1		OCW_DRE_DS024_VC_S2		OCW_DRE_DS025_VC_S1		OCW_DRE_DS025_VC_S2		OCW_DRE_DS026_VC_S1		OCW_DRE_DS026_VC_S2		OCW_DRE_DS027_VC_S1		OCW_DRE_DS027_VC_S1D		OCW_DRE_DS027_VC_S2	
SAMPLING DATE					4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/27/2022		4/27/2022		5/2/2022		5/2/2022		5/2/2022	
SAMPLE AREA (See Figure)					Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.	
SAMPLING PURPOSE					Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain	
LAB SAMPLE ID					L2221473-05		L2221473-06		L2221764-03		L2221764-04		L2221473-07		L2221473-08		L2221764-05		L2221764-06		L2222114-01		L2222114-02		L2222671-06		L2222671-07		L2222671-08	
SAMPLE TYPE					Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample	
SAMPLE MEDIA					Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
SAMPLE DEPTH (ft. below seabed)					0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 9.7 ft.		9.7 - 9.9 ft.		0.0 - 9.7 ft.		0.0 - 9.7 ft.		9.7 - 10.0 ft.	
Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
4-Chlorophenyl-phenylether	7005-72-3	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
4-Methylphenol	106-44-5	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
4-Nitroaniline	100-01-6	-	-	mg/kg	0.311	U	0.381	U	0.381	U	0.407	U	0.494	U	0.245	U	0.462	U	0.445	U	0.525	U	0.234	U	0.825	U	0.739	U	0.235	U
4-Nitrophenol	100-02-7	-	-	mg/kg	0.86	U	1.05	U	1.05	U	1.13	U	1.37	U	0.677	U	1.28	U	1.23	U	1.45	U	0.647	U	2.28	U	2.04	U	0.649	U
Acetophenone	98-86-2	-	-	mg/kg	0.0518	U	0.0634	U	0.011	J	0.0679	U	0.011	J	0.00677	J	0.0149	J	0.0159	J	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Atrazine	1912-24-9	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Benzaldehyde	100-52-7	-	-	mg/kg	0.0148	J	0.0252	J	0.0635	U	0.0233	J	0.025	J	0.0408	U	0.077	U	0.0276	J	0.0231	J	0.039	U	0.0478	J	0.051	J	0.0391	U
Biphenyl	92-52-4	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
bis(2-Chloroethoxy)methane	111-91-1	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
bis(2-Chloroethyl)ether	111-44-4	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
bis(2-chloroisopropyl)ether	108-60-1	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
bis(2-Ethylhexyl)phthalate	117-81-7	0.18216	2.64651	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0331	J	0.039	U	0.138	U	0.123	U	0.0391	U
Butylbenzylphthalate	85-68-7	-	0.063	mg/kg	0.0241	J	0.0208	J	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Caprolactam	105-60-2	-	-	mg/kg	0.104	U	0.127	U	0.127	U	0.136	U	0.165	U	0.0815	U	0.154	U	0.148	U	0.175	U	0.0779	U	0.275	U	0.246	U	0.0782	U
Carbazole	86-74-8	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Dibenzofuran	132-64-9	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Diethylphthalate	84-66-2	-	0.006	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Dimethylphthalate	131-11-3	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Di-n-butylphthalate	84-74-2	-	0.058	mg/kg	0.00508	J	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Di-n-octylphthalate	117-84-0	-	-	mg/kg	0.104	U	0.127	U	0.127	U	0.136	U	0.165	U	0.0815	U	0.154	U	0.148	U	0.175	U	0.0779	U	0.275	U	0.246	U	0.0782	U
Hexachlorobenzene	118-74-1	0.02	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Hexachlorobutadiene	87-68-3	-	0.0013	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Hexachlorocyclopentadiene	77-47-4	-	-	mg/kg	0.311	U	0.381	U	0.381	U	0.407	U	0.494	U	0.245	U	0.462	U	0.445	U	0.525	U	0.234	U	0.825	U	0.739	U	0.235	U
Hexachloroethane	67-72-1	-	0.073	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Isophorone	78-59-1	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Nitrobenzene	98-95-3	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
N-Nitroso-di-n-propylamine	621-64-7	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
n-Nitrosodiphenylamine	86-30-6	-	-	mg/kg	0.0518	U	0.0634	U	0.0635	U	0.0679	U	0.0824	U	0.0408	U	0.077	U	0.0742	U	0.0875	U	0.039	U	0.138	U	0.123	U	0.0391	U
Pentachlorophenol	87-86-5	-	0.017	mg/kg	0.311	U	0.381	U	0.381	U	0.407	U	0.49.																	

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS019		DS019		DS021		DS021		DS024		DS024		DS025		DS025		DS026		DS026		DS027		DS027		DS027		
SAMPLE ID					OCW_DRE_DS019_VC_S1		OCW_DRE_DS019_VC_S2		OCW_DRE_DS021_VC_S1		OCW_DRE_DS021_VC_S2		OCW_DRE_DS024_VC_S1		OCW_DRE_DS024_VC_S2		OCW_DRE_DS025_VC_S1		OCW_DRE_DS025_VC_S2		OCW_DRE_DS026_VC_S1		OCW_DRE_DS026_VC_S2		OCW_DRE_DS027_VC_S1		OCW_DRE_DS027_VC_S2		OCW_DRE_DS027_VC_S2		
SAMPLING DATE					4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/27/2022		4/27/2022		5/2/2022		5/2/2022		5/2/2022		
SAMPLE AREA (See Figure)					Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		
SAMPLING PURPOSE					Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		
LAB SAMPLE ID					L2221473-05		L2221473-06		L2221764-03		L2221764-04		L2221473-07		L2221473-08		L2221764-05		L2221764-06		L2222114-01		L2222114-02		L2222671-06		L2222671-07		L2222671-08		
SAMPLE TYPE					Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		
SAMPLE MEDIA					Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
SAMPLE DEPTH (ft. below seabed)					0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 9.7 ft.		9.7 - 9.9 ft.		0.0 - 9.7 ft.		0.0 - 9.7 ft.		9.7 - 10.0 ft.		
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Polychlorinated Biphenyls by GC																															
	Aroclor 1016	12674-11-2	0.007	-	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
	Aroclor 1221	11104-28-2	-	-	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
	Aroclor 1232	11141-16-5	-	-	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
	Aroclor 1242	53469-21-9	-	-	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
	Aroclor 1248	12672-29-6	0.03	-	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
	Aroclor 1254	11097-69-1	0.06	-	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
	Aroclor 1260	11096-82-5	0.005	-	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
	Aroclor 1262	37324-23-5	-	-	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
	Aroclor 1268	11100-14-4	-	-	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
	PCBs, Total	1336-36-3	0.023	0.18	mg/kg	0.0117	U	0.0142	U	0.0141	U	0.0147	U	0.0183	U	0.0092	U	0.0161	U	0.0168	U	0.019	U	0.00814	U	0.0309	U	0.026	U	0.00852	U
Total Metals																															
	Aluminum, Total	7429-90-5	-	18000	mg/kg	12900		21400		9770		18300		13500		535		15400		17600		6320		151		15400		9740		257	
	Antimony, Total	7440-36-0	-	9.3	mg/kg	2.48	U	3.04	U	2.94	U	3.22	U	3.85	U	1.87	U	3.63	U	3.52	U	4.2	U	0.192	J	6.6	U	5.81	U	1.81	U
	Arsenic, Total	7440-38-2	8.2	70	mg/kg	11.3		14.6		7.76		9.39		6.17		0.737		11.6		16.1		1.68		0.574	U	6.38		3.89		0.353	J
	Barium, Total	7440-39-3	-	48	mg/kg	37.2		64.9		27.6		57.1		41.7		4.27		44.2		50.4		40.5		2.45	J	59.6		50.6		2.29	J
	Beryllium, Total	7440-41-7	-	-	mg/kg	0.563		0.905		0.43	J	0.748		0.548	J	0.35	U	0.635	J	0.805		0.359	J	0.344	U	0.667	J	0.459	J	0.34	U
	Cadmium, Total	7440-43-9	1.2	9.6	mg/kg	0.144	J	0.061	J	0.138	J	0.402	U	0.143	J	0.233	U	0.106	J	0.091	J	0.525	U	0.229	U	0.122	J	0.726	U	0.226	U
	Calcium, Total	7440-70-2	-	-	mg/kg	2960		2750		2610		2400		2340		120	J	2550		2660		1470		574	U	3280		2690		566	U
	Chromium, Total	7440-47-3	81	370	mg/kg	39.9		62.5		30		52.7		39.6		2.47		44.7		51.2		20.1		1.67	J	45.9		28		2.06	J
	Cobalt, Total	7440-48-4	-	10	mg/kg	7.07		15.3		5.15		11.4		6.42		0.076	J	8.54		13.7		2.53		0.574	U	6.94		3.34		0.076	J
	Copper, Total	7440-50-8	34	270	mg/kg	11.7		15.4		10.6		12.7		13.6		0.227	J	12.6		13.7		5.14	J	2.29	U	13.5		6.21	J	2.26	U
	Iron, Total	7439-89-6	-	-	mg/kg	24100		47900		18400		29500		19500		2050		28100		33900		8940		421		26900		18800		1280	
	Lead, Total	7439-92-1	47	218	mg/kg	8.68		11.4		7.83		10.3		9.6		2.44		8.76		10.4		6.46		1.24		9.73		7.69		1.54	
	Magnesium, Total	7439-95-4	-	-	mg/kg	6930		9880		5200		8070		6080		114	J	7070		8360		2680		66.4	J	6540		4160		40.1	J
	Manganese, Total	7439-96-5	-	260	mg/kg	197		280		141		203		134		3.99		168		225		45.8		1.65	J	112		71.1		4.69	
	Mercury, Total	7439-97-6	0.15	0.71	mg/kg	0.03		0.022	J	0.029		0.02	J	0.035	J	0.006	J	0.023	J	0.024	J	0.031	J	0.014	U	0.058		0.066		0.014	U
	Nickel, Total	7440-02-0	21	52	mg/kg	20.6		36.8		15.4		28.5		19.1		0.323	J	24		29		7.92		0.425	J	21		10.7		0.616	J
	Potassium, Total	7440-09-7	-	-	mg/kg	3340		5160		2420		3990		3660		150		3750		4240		1440		34.7	J	3420		2020		21.9	J
	Selenium, Total	7782-49-2	-	1	mg/kg	4.88		7.24		4.43		6		4.71	J	2.33	U	5.89		7.01		5.25	U	2.29	U	8.25	U	7.26	U	2.26	U
	Silver, Total	7440-22-4	1	3.7	mg/kg	0.775	U	0.952	U	0.918	U	1	U	1.2	U	0.583	U	1.13	U	1.1	U	1.31	U	0.574	U	2.06	U	1.82	U	0.566	U
	Sodium, Total	7440-23-5	-	-	mg/kg	3400		2820		5070		2180		10100		434		7160		3870		4890		422		8320		6000		99.2	J
	Thallium, Total	7440-28-0	-	-	mg/kg	0.48	J	0.397	J	0.184	J	0.244	J	0.34	J	0.065	J	0.23	J	0.26	J	0.236	J	0.459	U	0.22	J	1.45	U	0.453	U
	Tin, Total	7440-31-5	-	3.4	mg/kg	1.02	J	1.55	J	0.99	J	1.18	J	1.64	J	0.361	J	1.18	J	1.47	J	0.408	J	0.316	J	3.11	J	1.11	J	1.3	

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID						DS019		DS019		DS021		DS021		DS024		DS024		DS025		DS025		DS026		DS026		DS027		DS027		DS027	
SAMPLE ID						OCW_DRE_DS019_VC_S1		OCW_DRE_DS019_VC_S2		OCW_DRE_DS021_VC_S1		OCW_DRE_DS021_VC_S2		OCW_DRE_DS024_VC_S1		OCW_DRE_DS024_VC_S2		OCW_DRE_DS025_VC_S1		OCW_DRE_DS025_VC_S2		OCW_DRE_DS026_VC_S1		OCW_DRE_DS026_VC_S2		OCW_DRE_DS027_VC_S1		OCW_DRE_DS027_VC_S2		OCW_DRE_DS027_VC_S2	
SAMPLING DATE						4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/25/2022		4/25/2022		4/26/2022		4/26/2022		4/27/2022		4/27/2022		5/2/2022		5/2/2022		5/2/2022	
SAMPLE AREA (See Figure)						Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.	
SAMPLING PURPOSE						Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain	
LAB SAMPLE ID						L2221473-05		L2221473-06		L2221764-03		L2221764-04		L2221473-07		L2221473-08		L2221764-05		L2221764-06		L2222114-01		L2222114-02		L2222671-06		L2222671-07		L2222671-08	
SAMPLE TYPE						Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample	
SAMPLE MEDIA						Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
SAMPLE DEPTH (ft. below seabed)						0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 7.4 ft.		7.4 - 7.9 ft.		0.0 - 9.7 ft.		9.7 - 9.9 ft.		0.0 - 9.7 ft.		0.0 - 9.7 ft.		9.7 - 10.0 ft.	
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	Total HpCDD	37871-00-4	-	-	mg/kg	0.0000551		-	-	0.0000361		-	-	0.0000111		-	-	0.0000472		-	-	0.0003		-	-	0.000039		0.000121		-	-
	Total HpCDF	38998-75-3	-	-	mg/kg	0.00000612		-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.00000839		-	-	0.0000678		-	-	0.0000102	U	0.00000896	U	-	-
	Total HxCDD	34465-46-8	-	-	mg/kg	0.0000227		-	-	0.0000156		-	-	0.00000618	U	-	-	0.0000152		-	-	0.000336		-	-	0.0000233		0.00014		-	-
	Total HxCDF	55684-94-1	-	-	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.00000832		-	-	0.0000102	U	0.00000896	U	-	-
	Total PCDD	null	-	-	mg/kg	0.000403		-	-	0.00028		-	-	0.0000978		-	-	0.000353		-	-	0.00244		-	-	0.000264	B	0.000725	B	-	-
	Total PCDF	null	-	-	mg/kg	0.000022		-	-	0.00000108		-	-	0.00000124	U	-	-	0.0000296		-	-	0.000182		-	-	0.00000203	U	0.00000488	B	-	-
	Total PeCDD	36088-22-9	-	-	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.0000311		-	-	0.0000102	U	0.00000896	U	-	-
	Total PeCDF	30402-15-4	-	-	mg/kg	0.00000391	U	-	-	0.00000472	U	-	-	0.00000618	U	-	-	0.0000058	U	-	-	0.00000634	U	-	-	0.0000102	U	0.00000896	U	-	-
	Total TCDD	41903-57-5	-	-	mg/kg	0.000000781	U	-	-	0.000000944	U	-	-	0.00000124	U	-	-	0.00000116	U	-	-	0.00000419		-	-	0.00000203	U	0.00000574		-	-
	Total TCDF	55722-27-5	-	-	mg/kg	0.00000109		-	-	0.00000108		-	-	0.00000124	U	-	-	0.00000139		-	-	0.00000495		-	-	0.00000203	U	0.00000488		-	-
	Toxic Equivalency (TEQ)	null	-	-	mg/kg	0.000000275		-	-	0.000000169		-	-	0.000000026		-	-	0.000000249		-	-	0.00000549		-	-	0.000000177		0.000000586		-	-

FOOTNOTES
Results Column = reported detected concentration or reporting limit (for non-detects).
ER-L: New Jersey Effects Range Low (ER-L) Saline Water Sediment Criteria Criteria per March 10, 2009 Guidance Document.
ER-M: New Jersey Effects Range Medium (ER-M) Saline Water Sediment Criteria Criteria per March 10, 2009 Guidance Document.

Criteria Exceedances (see above description)

RL exceeds minimum of ER-L/ER-M		Gray shading.
Detection Exceeds ER-L		Yellow shading.
Detection Exceeds ER-M		Orange shading.

Note: shading of criteria column indicates one or more exceedances of the corresponding criteria (either detected concentration or RL) and is provided for reader convenience.
RL = Reporting Limit
* Total Detected PAHs: Sum of detected compounds only.
** Chlordane (sum of alpha/gamma): Sum of alpha and gamma Chlordane. When both alpha and gamma are not detected the max of the reporting limits is shown; otherwise it is the sum of detected concentrations.

Qualifiers ("Qual" Column)
U - Analyte not detected at a concentration above the reporting detection limit (the value shown for non-detects)
B - Analyte detected above the reporting limit in an associated quality control blank.
J - Analyte positively identified; concentration estimated.

OCEAN WIND 1

Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS029		DS029		DS030		DS030		DS030		DS030		DS033		DS033		DS033		DS034		DS034		DS035		DS035		
SAMPLE ID					OCW_DRE_DS029_VC_S1		OCW_DRE_DS029_VC_S2		OCW_DRE_DS030_VC_S1		OCW_DRE_DS030_VC_S2		OCW_DRE_DS030_VC_S2D		OCW_DRE_DS030_VC_S3		OCW_DRE_DS033_VC_S1		OCW_DRE_DS033_VC_S2		OCW_DRE_DS033_VC_S3		OCW_DRE_DS034_VC_S1		OCW_DRE_DS034_VC_S2		OCW_DRE_DS035_VCB_S1		OCW_DRE_DS035_VCB_S2		
SAMPLING DATE					4/29/2022		4/29/2022		5/9/2022		5/9/2022		5/9/2022		5/9/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		
SAMPLE AREA (See Figure)					Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		
SAMPLING PURPOSE					Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		
LAB SAMPLE ID					L2222671-01		L2222671-02		L2224372-03		L2224372-04		L2224372-05		L2224372-06		L2216686-01		L2216686-02		L2216686-03		L2216686-04		L2216686-05		L2216686-06		L2216686-07		
SAMPLE TYPE					Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		
SAMPLE MEDIA					Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
SAMPLE DEPTH (ft. below seabed)					0.0 - 7.5 ft.		7.5 - 9.1 ft.		0.0 - 1.9 ft.		1.9 - 9.7 ft.		1.9 - 9.7 ft.		9.7 - 10.1 ft.		0.0 - 5.0 ft.		5.0 - 9.7 ft.		9.7 - 9.8 ft.		0.0 - 6.3 ft.		6.3 - 9.8 ft.		0.0 - 6.0 ft.		6.0 - 8.1 ft.		
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by 8260 (Prep Method EPA 5035)																															
	1,1,1-Trichloroethane	71-55-6	-	-	mg/kg	0.00056	U	-	-	0.00047	U	0.00094	U	0.0011	U	-	-	0.0012	U	-	-	-	-	0.0004	U	-	-	0.00074	U	-	-
	1,1,2,2-Tetrachloroethane	79-34-5	-	-	mg/kg	0.00056	U	-	-	0.00047	U	0.00094	U	0.0011	U	-	-	0.0012	U	-	-	-	-	0.0004	U	-	-	0.00074	U	-	-
	1,1,2-Trichloroethane	79-00-5	-	-	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,1-Dichloroethane	75-34-3	-	-	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,1-Dichloroethene	75-35-4	-	-	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,2,3-Trichlorobenzene	87-61-6	-	-	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,2,3-Trichloropropane	96-18-4	-	-	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,2,4-Trichlorobenzene	120-82-1	-	0.0048	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,2,4-Trimethylbenzene	95-63-6	-	-	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,2-Dibromo-3-chloropropane	96-12-8	-	-	mg/kg	0.0033	U	-	-	0.0028	U	0.0056	U	0.0066	U	-	-	0.0069	U	-	-	-	-	0.0024	U	-	-	0.0044	U	-	-
	1,2-Dibromoethane	106-93-4	-	-	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,2-Dichlorobenzene	95-50-1	-	0.013	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,2-Dichloroethane	107-06-2	-	-	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,2-Dichloropropane	78-87-5	-	-	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	1,3,5-Trimethylbenzene	108-67-8	-	-	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,3-Dichlorobenzene	541-73-1	-	-	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,4-Dichlorobenzene	106-46-7	-	0.110	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	1,4-Dioxane	123-91-1	-	-	mg/kg	0.089	U	-	-	0.075	U	0.15	U	0.18	U	-	-	0.18	U	-	-	-	-	0.063	U	-	-	0.12	U	-	-
	2-Butanone	78-93-3	-	-	mg/kg	0.011	U	-	-	0.0093	U	0.0075	J	0.0079	J	-	-	0.023	U	-	-	-	-	0.0079	U	-	-	0.015	U	-	-
	2-Hexanone	591-78-6	-	-	mg/kg	0.011	U	-	-	0.0093	U	0.019	U	0.022	U	-	-	0.023	U	-	-	-	-	0.0079	U	-	-	0.015	U	-	-
	4-Methyl-2-pentanone	108-10-1	-	-	mg/kg	0.011	U	-	-	0.0093	U	0.019	U	0.022	U	-	-	0.023	U	-	-	-	-	0.0079	U	-	-	0.015	U	-	-
	Acetone	67-64-1	-	-	mg/kg	0.016	J	-	-	0.014	J	0.054	J	0.063	J	-	-	0.058	U	-	-	-	-	0.02	U	-	-	0.037	U	-	-
	Benzene	71-43-2	0.34	-	mg/kg	0.00056	U	-	-	0.00047	U	0.00094	U	0.0011	U	-	-	0.0012	U	-	-	-	-	0.0004	U	-	-	0.00074	U	-	-
	Bromochloromethane	74-97-5	-	-	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	Bromodichloromethane	75-27-4	-	-	mg/kg	0.00056	U	-	-	0.00047	U	0.00094	U	0.0011	U	-	-	0.0012	U	-	-	-	-	0.0004	U	-	-	0.00074	U	-	-
	Bromoform	75-25-2	-	-	mg/kg	0.0044	U	-	-	0.0037	U	0.0075	U	0.0088	U	-	-	0.0092	U	-	-	-	-	0.0032	U	-	-	0.0059	U	-	-
	Bromomethane	74-83-9	-	-	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	Carbon disulfide	75-15-0	-	-	mg/kg	0.011	U	-	-	0.0046	J	0.039	J	0.051	J	-	-	0.023	U	-	-	-	-	0.0079	U	-	-	0.015	U	-	-
	Carbon tetrachloride	56-23-5	-	-	mg/kg	0.0011	U	-	-	0.00093	U	0.0019	U	0.0022	U	-	-	0.0023	U	-	-	-	-	0.00079	U	-	-	0.0015	U	-	-
	Chlorobenzene	108-90-7	-	-	mg/kg	0.00056	U	-	-	0.00047	U	0.00094	U	0.0011	U	-	-	0.0012	U	-	-	-	-	0.0004	U	-	-	0.00074	U	-	-
	Chloroethane	75-00-3	-	-	mg/kg	0.0022	U	-	-	0.0019	U	0.0038	U	0.0044	U	-	-	0.0046	U	-	-	-	-	0.0016	U	-	-	0.003	U	-	-
	Chloroform	67-66-3	-	-	mg/kg	0.0017	U	-	-	0.0014	U	0.0028	U	0.0033	U	-	-	0.0035	U	-	-	-	-	0.0012	U	-	-	0.0022	U	-	-
	Chloromethane	74-87-3	-	-	mg/kg	0.0044	U	-	-	0.0037	U	0.0075	U	0.0088	U	-	-	0.0092	U	-	-	-	-	0.0032	U	-	-	0.0059	U	-	-
	cis-1,2-Dichloroethene	156-59-2	-	-	mg/kg	0.0011	U	-	-	0.00093																					

OCEAN WIND 1

Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS029	DS029	DS030	DS030	DS030	DS030	DS030	DS033	DS033	DS033	DS033	DS034	DS034	DS035	DS035														
SAMPLE ID					OCW_DRE_DS029_VC_S1	OCW_DRE_DS029_VC_S2	OCW_DRE_DS030_VC_S1	OCW_DRE_DS030_VC_S2	OCW_DRE_DS030_VC_S3	OCW_DRE_DS030_VC_S3	OCW_DRE_DS030_VC_S3	OCW_DRE_DS033_VC_S1	OCW_DRE_DS033_VC_S2	OCW_DRE_DS033_VC_S3	OCW_DRE_DS033_VC_S3	OCW_DRE_DS034_VC_S1	OCW_DRE_DS034_VC_S2	OCW_DRE_DS035_VCB_S1	OCW_DRE_DS035_VCB_S2														
SAMPLING DATE					4/29/2022	4/29/2022	5/9/2022	5/9/2022	5/9/2022	5/9/2022	5/9/2022	3/30/2022	3/30/2022	3/30/2022	3/30/2022	3/30/2022	3/30/2022	3/30/2022	3/30/2022														
SAMPLE AREA (See Figure)					Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	Holtec Property Lacey Twp.	BL England Landfall	BL England Landfall	BL England Landfall	BL England Landfall	BL England Landfall	BL England Landfall	BL England Landfall	BL England Landfall														
SAMPLING PURPOSE					Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Material to Remain	Proposed Dredge Material	Proposed Dredge Material	Proposed Dredge Material	Proposed Dredge Material	Proposed Dredge Material														
LAB SAMPLE ID					L2222671-01	L2222671-02	L2224372-03	L2224372-04	L2224372-05	L2224372-06	L2216686-01	L2216686-02	L2216686-03	L2216686-04	L2216686-05	L2216686-06	L2216686-07																
SAMPLE TYPE					Field Sample	Field Sample	Field Sample	Field Sample	Field Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample																
SAMPLE MEDIA					Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment																
SAMPLE DEPTH (ft. below seabed)					0.0 - 7.5 ft.	7.5 - 9.1 ft.	0.0 - 1.9 ft.	1.9 - 9.7 ft.	1.9 - 9.7 ft.	9.7 - 10.1 ft.	9.7 - 10.1 ft.	0.0 - 5.0 ft.	5.0 - 9.7 ft.	9.7 - 9.8 ft.	0.0 - 6.3 ft.	6.3 - 9.8 ft.	0.0 - 6.0 ft.	6.0 - 8.1 ft.															
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	4-Chlorophenyl-phenylether	7005-72-3	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	4-Methylphenol	106-44-5	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	4-Nitroaniline	100-01-6	-	-	mg/kg	0.443	U	0.222	U	0.229	U	0.36	U	0.401	U	0.37	U	0.254	U	0.233	U	0.232	U	0.246	U	0.292	U	0.24	U	0.232	U	0.232	U
	4-Nitrophenol	100-02-7	-	-	mg/kg	1.22	U	0.614	U	0.633	U	0.997	U	1.11	U	1.02	U	0.702	U	0.645	U	0.641	U	0.682	U	0.807	U	0.663	U	0.642	U	0.642	U
	Acetophenone	98-86-2	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	Atrazine	1912-24-9	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	Benzaldehyde	100-52-7	-	-	mg/kg	0.0201	J	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0299	J	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	Biphenyl	92-52-4	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	bis(2-Chloroethoxy)methane	111-91-1	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	bis(2-Chloroethyl)ether	111-44-4	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	bis(2-chloroisopropyl)ether	108-60-1	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	bis(2-Ethylhexyl)phthalate	117-81-7	0.18216	2.64651	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0116	J	0.0207	J	0.0127	J	0.356	U	0.0184	J	0.0399	U	0.0248	J	0.0248	J
	Butylbenzylphthalate	85-68-7	-	0.063	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	Caprolactam	105-60-2	-	-	mg/kg	0.148	U	0.074	U	0.0762	U	0.12	U	0.134	U	0.123	U	0.0845	U	0.0777	U	0.0772	U	0.0821	U	0.0972	U	0.0109	J	0.0774	U	0.0774	U
	Carbazole	86-74-8	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	Dibenzofuran	132-64-9	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	Diethylphthalate	84-66-2	-	0.006	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	Dimethylphthalate	131-11-3	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	Di-n-butylphthalate	84-74-2	-	0.058	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.00583	J	0.0386	U	0.0411	U	0.0486	U	0.00431	J	0.00735	J	0.00735	J
	Di-n-octylphthalate	117-84-0	-	-	mg/kg	0.148	U	0.074	U	0.0762	U	0.12	U	0.134	U	0.123	U	0.0845	U	0.0777	U	0.0772	U	0.0821	U	0.0972	U	0.0799	U	0.0774	U	0.0774	U
	Hexachlorobenzene	118-74-1	0.02	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	Hexachlorobutadiene	87-68-3	-	0.0013	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	Hexachlorocyclopentadiene	77-47-4	-	-	mg/kg	0.443	U	0.222	U	0.229	U	0.36	U	0.401	U	0.37	U	0.254	U	0.233	U	0.232	U	0.246	U	0.292	U	0.24	U	0.232	U	0.232	U
	Hexachloroethane	67-72-1	-	0.073	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	Isophorone	78-59-1	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	Nitrobenzene	98-95-3	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	N-Nitroso-di-n-propylamine	621-64-7	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668	U	0.0617	U	0.0423	U	0.0388	U	0.0386	U	0.0411	U	0.0486	U	0.0399	U	0.0387	U	0.0387	U
	n-Nitrosodiphenylamine	86-30-6	-	-	mg/kg	0.0738	U	0.037	U	0.0381	U	0.06	U	0.0668																			

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS029		DS029		DS030		DS030		DS030		DS030		DS033		DS033		DS033		DS034		DS034		DS035		DS035		
SAMPLE ID					OCW_DRE_DS029_VC_S1		OCW_DRE_DS029_VC_S2		OCW_DRE_DS030_VC_S1		OCW_DRE_DS030_VC_S2		OCW_DRE_DS030_VC_S3		OCW_DRE_DS030_VC_S1		OCW_DRE_DS033_VC_S1		OCW_DRE_DS033_VC_S2		OCW_DRE_DS033_VC_S3		OCW_DRE_DS034_VC_S1		OCW_DRE_DS034_VC_S2		OCW_DRE_DS035_VCB_S1		OCW_DRE_DS035_VCB_S2		
SAMPLING DATE					4/29/2022		4/29/2022		5/9/2022		5/9/2022		5/9/2022		5/9/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		
SAMPLE AREA (See Figure)					Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		
SAMPLING PURPOSE					Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		
LAB SAMPLE ID					L2222671-01		L2222671-02		L2224372-03		L2224372-04		L2224372-05		L2224372-06		L2216686-01		L2216686-02		L2216686-03		L2216686-04		L2216686-05		L2216686-06		L2216686-07		
SAMPLE TYPE					Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		
SAMPLE MEDIA					Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
SAMPLE DEPTH (ft. below seabed)					0.0 - 7.5 ft.		7.5 - 9.1 ft.		0.0 - 1.9 ft.		1.9 - 9.7 ft.		1.9 - 9.7 ft.		9.7 - 10.1 ft.		0.0 - 5.0 ft.		5.0 - 9.7 ft.		9.7 - 9.8 ft.		0.0 - 6.3 ft.		6.3 - 9.8 ft.		0.0 - 6.0 ft.		6.0 - 8.1 ft.		
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Polychlorinated Biphenyls by GC																															
	Aroclor 1016	12674-11-2	0.007	-	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
	Aroclor 1221	11104-28-2	-	-	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
	Aroclor 1232	11141-16-5	-	-	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
	Aroclor 1242	53469-21-9	-	-	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
	Aroclor 1248	12672-29-6	0.03	-	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
	Aroclor 1254	11097-69-1	0.06	-	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
	Aroclor 1260	11096-82-5	0.005	-	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
	Aroclor 1262	37324-23-5	-	-	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
	Aroclor 1268	11100-14-4	-	-	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
	PCBs, Total	1336-36-3	0.023	0.18	mg/kg	0.016	U	0.00832	U	0.00808	U	0.0134	U	0.0147	U	0.0142	U	0.00901	U	0.00836	U	0.00838	U	0.00916	U	0.0105	U	0.00889	U	0.00868	U
Total Metals																															
	Aluminum, Total	7429-90-5	-	18000	mg/kg	9330		30.9	J	323		14300		17500		16400		1450		906		637		3530		13600		1720		153	
	Antimony, Total	7440-36-0	-	9.3	mg/kg	3.44	U	1.77	U	1.82	U	2.85	U	3.17	U	2.97	U	1.97	U	1.83	U	1.83	U	1.94	U	2.33	U	1.84	U	1.77	U
	Arsenic, Total	7440-38-2	8.2	70	mg/kg	6.92		0.552	U	0.657		10		8.73		9.47		1.88		1.93		1.38		2.48		8.85		1.86		0.196	J
	Barium, Total	7440-39-3	-	48	mg/kg	25.1		0.736	J	1.12	J	45.3		47.9		54.7		3.05	J	2.62	J	1.85	J	9.93		41		4.23		1.33	J
	Beryllium, Total	7440-41-7	-	-	mg/kg	0.407	J	0.331	U	0.342	U	0.61		0.75		0.736		0.37	U	0.343	U	0.343	U	0.162	J	0.513		0.345	U	0.331	U
	Cadmium, Total	7440-43-9	1.2	9.6	mg/kg	0.116	J	0.221	U	0.228	U	0.094	J	0.121	J	0.112	J	0.247	U	0.229	U	0.229	U	0.243	U	0.071	J	0.23	U	0.221	U
	Calcium, Total	7440-70-2	-	-	mg/kg	1820		552	U	209	J	2190		2850		2640		1820		416	J	315	J	1640		6600		2080		552	U
	Chromium, Total	7440-47-3	81	370	mg/kg	29.8		1.14	J	1.45	J	46.6		54.4		49.3		4.75		2.96		2.68		10.5		39.8		5.53		1.38	J
	Cobalt, Total	7440-48-4	-	10	mg/kg	6.49		0.552	U	0.205	J	8.73		8.48		9.72		1.28		1.01		0.819		2.52		9.32		1.36		0.105	J
	Copper, Total	7440-50-8	34	270	mg/kg	9.17		2.21	U	1.17	J	14.4		13.9		15.3		1.13	J	0.514	J	0.326	J	2.74		11.4		1.36	J	2.21	U
	Iron, Total	7439-89-6	-	-	mg/kg	18100		368		892		26900		26100		30700		2860		2410		1740		6440		25800		3370		368	
	Lead, Total	7439-92-1	47	218	mg/kg	6.52		0.45	J	1.62		10		11.4		9.86		3.48		0.929		0.822		2.81		7.95		2.8		1.88	
	Magnesium, Total	7439-95-4	-	-	mg/kg	3770		17.8	J	260		7180		8130		7770		1180		546		401		2350		8320		1220		159	
	Manganese, Total	7439-96-5	-	260	mg/kg	89.9		1.79	J	4.56		238		192		249		32.5		21.9		16.2		67.3		279		41.4		4.02	
	Mercury, Total	7439-97-6	0.15	0.71	mg/kg	0.02	J	0.014	U	0.011	J	0.017	J	0.021	J	0.02	J	0.018		0.008	J	0.008	J	0.012	J	0.023		0.016	J	0.007	J
	Nickel, Total	7440-02-0	21	52	mg/kg	17		0.503	J	0.532	J	23.8		25.1		26.4		2.76		2.09		1.45		6.12		23.5		3		1.1	U
	Potassium, Total	7440-09-7	-	-	mg/kg	2150		110	U	101	J	3620		4270		3780		394		188		136		982		3450		444		72.4	J
	Selenium, Total	7782-49-2	-	1	mg/kg	4.31	U	2.21	U	2.28	U	2.1	J	2.31	J	2.24	J	2.47	U	2.29	U	2.29	U	2.43	U	2.07	J	2.3	U	2.21	U
	Silver, Total	7440-22-4	1	3.7	mg/kg	1.08	U	0.552	U	0.571	U	0.891	U	0.99	U	0.927	U	0.087	J	0.572	U	0.572	U	0.607	U	0.729	U	0.575	U	0.552	U
	Sodium, Total	7440-23-5	-	-	mg/kg	4560		84.2	J	1120		5240		6580		3340		2800		585		607		3220		4420		2040		1160	
	Thallium, Total	7440-28-0	-	-	mg/kg	0.153	J	0.442	U	0.456	U	0.211	J	0.238	J	0.437	J	0.104	J	0.458	U	0.457	U	0.073	J	0.197	J	0.46	U	0.442	U
	Tin, Total	7440-31-5	-	3.4	mg/kg	0.831	J	1.32	U	0.37	J	1.08	J	1.27	J	1.52	J														

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID						DS029		DS029		DS030		DS030		DS030		DS030		DS033		DS033		DS033		DS033		DS034		DS034		DS035		DS035										
SAMPLE ID						OCW_DRE_DS029_VC_S1		OCW_DRE_DS029_VC_S2		OCW_DRE_DS030_VC_S1		OCW_DRE_DS030_VC_S2		OCW_DRE_DS030_VC_S2D		OCW_DRE_DS030_VC_S3		OCW_DRE_DS033_VC_S1		OCW_DRE_DS033_VC_S2		OCW_DRE_DS033_VC_S3		OCW_DRE_DS033_VC_S1		OCW_DRE_DS034_VC_S1		OCW_DRE_DS034_VC_S2		OCW_DRE_DS035_VCB_S1		OCW_DRE_DS035_VCB_S2										
SAMPLING DATE						4/29/2022		4/29/2022		5/9/2022		5/9/2022		5/9/2022		5/9/2022		5/9/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022		3/30/2022										
SAMPLE AREA (See Figure)						Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		Holtec Property Lacey Twp.		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall		BL England Landfall										
SAMPLING PURPOSE						Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Material to Remain		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material										
LAB SAMPLE ID						L2222671-01		L2222671-02		L2224372-03		L2224372-04		L2224372-05		L2224372-06		L2216686-01		L2216686-02		L2216686-03		L2216686-04		L2216686-05		L2216686-06		L2216686-07												
SAMPLE TYPE						Field Sample		Field Sample		Field Sample		Field Sample		Field Duplicate		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample										
SAMPLE MEDIA						Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment										
SAMPLE DEPTH (ft. below seabed)						0.0 - 7.5 ft.		7.5 - 9.1 ft.		0.0 - 1.9 ft.		1.9 - 9.7 ft.		1.9 - 9.7 ft.		9.7 - 10.1 ft.		0.0 - 5.0 ft.		5.0 - 9.7 ft.		9.7 - 9.8 ft.		0.0 - 6.3 ft.		6.3 - 9.8 ft.		0.0 - 6.0 ft.		6.0 - 8.1 ft.												
	Analyte	CAS RN	ER-L	ER-M	Units	Results		Qual	Results		Qual	Results		Qual	Results		Qual	Results		Qual	Results		Qual	Results		Qual	Results		Qual	Results		Qual	Results		Qual							
	Total HpCDD	37871-00-4	-	-	mg/kg	0.00000933			-	-		0.0000162			0.0000162			0.0000644		-	-		0.00000317		-	-		-	-		0.00000375		-	-		0.00000293	U	-	-		-	-
	Total HpCDF	38998-75-3	-	-	mg/kg	0.00000547	U		-	-		0.00000844			0.00000439	U		0.00000493	U	-	-		0.00000312	U	-	-		-	-		0.00000298	U	-	-		0.00000293	U	-	-		-	-
	Total HxCDD	34465-46-8	-	-	mg/kg	0.00000547	U		-	-		0.0000028	U		0.00000481			0.0000365		-	-		0.00000312	U	-	-		-	-		0.00000298	U	-	-		0.00000293	U	-	-		-	-
	Total HxCDF	55684-94-1	-	-	mg/kg	0.00000547	U		-	-		0.0000028	U		0.00000439	U		0.00000493	U	-	-		0.00000312	U	-	-		-	-		0.00000298	U	-	-		0.00000293	U	-	-		-	-
	Total PCDD	null	-	-	mg/kg	0.0000771	B		-	-		0.000124			0.000106			0.000454		-	-		0.000032		-	-		-	-		0.000031		-	-		0.0000137		-	-		-	-
	Total PCDF	null	-	-	mg/kg	0.00000109	U		-	-		0.0000269			0.000000878	U		0.000000986	U	-	-		0.000000624	U	-	-		-	-		0.000000597	U	-	-		0.000000586	U	-	-		-	-
	Total PeCDD	36088-22-9	-	-	mg/kg	0.00000547	U		-	-		0.0000028	U		0.00000439	U		0.00000493	U	-	-		0.00000312	U	-	-		-	-		0.00000298	U	-	-		0.00000293	U	-	-		-	-
	Total PeCDF	30402-15-4	-	-	mg/kg	0.00000547	U		-	-		0.0000028	U		0.00000439	U		0.00000493	U	-	-		0.00000312	U	-	-		-	-		0.00000298	U	-	-		0.00000293	U	-	-		-	-
	Total TCDD	41903-57-5	-	-	mg/kg	0.00000109	U		-	-		0.00000056	U		0.000000878	U		0.000000986	U	-	-		0.000000624	U	-	-		-	-		0.000000597	U	-	-		0.000000586	U	-	-		-	-
	Total TCDF	55722-27-5	-	-	mg/kg	0.00000109	U		-	-		0.00000056	U		0.000000878	U		0.000000986	U	-	-		0.000000624	U	-	-		-	-		0.000000597	U	-	-		0.000000586	U	-	-		-	-
	Toxic Equivalency (TEQ)	null	-	-	mg/kg	0.000000078			-	-		0.000000145			0.000000075			0.000000295		-	-		0.000000009		-	-		-	-		0.000000008		-	-		0.000000004		-	-		-	-

FOOTNOTES
Results Column = reported detected concentration or reporting limit (for non-detects).
ER-L: New Jersey Effects Range Low (ER-L) Saline Water Sediment Criteria Criteria per March 10, 2009 Guidance Document.
ER-M: New Jersey Effects Range Medium (ER-M) Saline Water Sediment Criteria Criteria per March 10, 2009 Guidance Document.

Criteria Exceedances (see above description)
RL exceeds minimum of ER-L/ER-M
Detection Exceeds ER-L
Detection Exceeds ER-M
Note: shading of criteria column indicates one or more exceedances of the corresponding criteria (either detected concentration or RL) and is provided for reader convenience.
RL = Reporting Limit
* Total Detected PAHs: Sum of detected compounds only.
** Chlordane (sum of alpha/gamma): Sum of alpha and gamma Chlordane. When both alpha and gamma are not detected the max of the reporting limits is shown; otherwise it is the sum of detected concentrations.

Qualifiers ("Qual" Column)
U - Analyte not detected at a concentration above the reporting detection limit (the value shown for non-detects)
B - Analyte detected above the reporting limit in an associated quality control blank.
J - Analyte positively identified; concentration estimated.

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS036		DS037		DS038		DS039		DS040		DS041		
SAMPLE ID					OCW_DRE_DS036_VCA_S1		OCW_DRE_DS037_VC_S1		OCW_DRE_DS038_VCB_S1		OCW_DRE_DS039_VC_S1		OCW_DRE_DS040_VC_S1		OCW_DRE_DS041_VC_S1		
SAMPLING DATE					5/9/2022		5/9/2022		5/9/2022		4/16/2022		4/25/2022		4/25/2022		
SAMPLE AREA (See Figure)					Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Barnegat Bay Cable Route		Barnegat Bay Cable Route		Barnegat Bay Cable Route		
SAMPLING PURPOSE					Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Cable Route		Cable Route		Cable Route		
LAB SAMPLE ID					L2224372-07		L2224372-08		L2224372-09		L2220658-01		L2221473-01		L2221473-02		
SAMPLE TYPE					Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		
SAMPLE MEDIA					Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		
SAMPLE DEPTH (ft. below seabed)					0.0 - 3.2 ft.		0.0 - 3.3 ft.		0.0 - 4.6 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.		
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by 8260 (Prep Method EPA 5035)																	
	1,1,1-Trichloroethane	71-55-6	-	-	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-	-	-
	1,1,2,2-Tetrachloroethane	79-34-5	-	-	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-	-	-
	1,1,2-Trichloroethane	79-00-5	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	1,1-Dichloroethane	75-34-3	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	1,1-Dichloroethene	75-35-4	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	1,2,3-Trichlorobenzene	87-61-6	-	-	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	1,2,3-Trichloropropane	96-18-4	-	-	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	1,2,4-Trichlorobenzene	120-82-1	-	0.0048	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	1,2,4-Trimethylbenzene	95-63-6	-	-	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	1,2-Dibromo-3-chloropropane	96-12-8	-	-	mg/kg	0.003	U	0.0041	U	0.0032	U	-	-	-	-	-	-
	1,2-Dibromoethane	106-93-4	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	1,2-Dichlorobenzene	95-50-1	-	0.013	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	1,2-Dichloroethane	107-06-2	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	1,2-Dichloropropane	78-87-5	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	1,3,5-Trimethylbenzene	108-67-8	-	-	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	1,3-Dichlorobenzene	541-73-1	-	-	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	1,4-Dichlorobenzene	106-46-7	-	0.110	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	1,4-Dioxane	123-91-1	-	-	mg/kg	0.079	U	0.11	U	0.086	U	-	-	-	-	-	-
	2-Butanone	78-93-3	-	-	mg/kg	0.0099	U	0.014	U	0.011	U	-	-	-	-	-	-
	2-Hexanone	591-78-6	-	-	mg/kg	0.0099	U	0.014	U	0.011	U	-	-	-	-	-	-
	4-Methyl-2-pentanone	108-10-1	-	-	mg/kg	0.0099	U	0.014	U	0.011	U	-	-	-	-	-	-
	Acetone	67-64-1	-	-	mg/kg	0.025	U	0.022	J	0.027	U	-	-	-	-	-	-
	Benzene	71-43-2	0.34	-	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-	-	-
	Bromochloromethane	74-97-5	-	-	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	Bromodichloromethane	75-27-4	-	-	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-	-	-
	Bromofom	75-25-2	-	-	mg/kg	0.004	U	0.0055	U	0.0043	U	-	-	-	-	-	-
	Bromomethane	74-83-9	-	-	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	Carbon disulfide	75-15-0	-	-	mg/kg	0.0099	U	0.014	U	0.011	U	-	-	-	-	-	-
	Carbon tetrachloride	56-23-5	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	Chlorobenzene	108-90-7	-	-	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-	-	-
	Chloroethane	75-00-3	-	-	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	Chloroform	67-66-3	-	-	mg/kg	0.0015	U	0.0021	U	0.0016	U	-	-	-	-	-	-
	Chloromethane	74-87-3	-	-	mg/kg	0.004	U	0.0055	U	0.0043	U	-	-	-	-	-	-
	cis-1,2-Dichloroethene	156-59-2	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	cis-1,3-Dichloropropene	10061-01-5	-	-	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-	-	-
	Cyclohexane	110-82-7	-	-	mg/kg	0.0099	U	0.014	U	0.011	U	-	-	-	-	-	-
	Dibromochloromethane	124-48-1	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	Dichlorodifluoromethane	75-71-8	-	-	mg/kg	0.0099	U	0.014	U	0.011	U	-	-	-	-	-	-
	Ethylbenzene	100-41-4	1.4	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	Freon-113	76-13-1	-	-	mg/kg	0.004	U	0.0055	U	0.0043	U	-	-	-	-	-	-
	Isopropylbenzene	98-82-8	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	Methyl Acetate	79-20-9	-	-	mg/kg	0.004	U	0.0055	U	0.0043	U	-	-	-	-	-	-
	Methyl cyclohexane	108-87-2	-	-	mg/kg	0.004	U	0.0055	U	0.0043	U	-	-	-	-	-	-
	Methyl tert butyl ether	1634-04-4	-	-	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	Methylene chloride	75-09-2	-	-	mg/kg	0.005	U	0.0069	U	0.0054	U	-	-	-	-	-	-
	o-Xylene	95-47-6	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	p/m-Xylene	179601-23-1	-	-	mg/kg	0.002	U	0.0028	U	0.0022	U	-	-	-	-	-	-
	Styrene	100-42-5	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	Tert-Butyl Alcohol	75-65-0	-	-	mg/kg	0.02	U	0.028	U	0.022	U	-	-	-	-	-	-
	Tetrachloroethene	127-18-4	0.45	-	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-	-	-
	Toluene	108-88-3	2.5	-	mg/kg	0.0049		0.00098	J	0.0011	U	-	-	-	-	-	-
	trans-1,2-Dichloroethene	156-60-5	-	-	mg/kg	0.0015	U	0.0021	U	0.0016	U	-	-	-	-	-	-
	trans-1,3-Dichloropropene	10061-02-6	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
	Trichloroethene	79-01-6	1.6	-	mg/kg	0.0005	U	0.00069	U	0.00054	U	-	-	-	-	-	-
	Trichlorofluoromethane	75-69-4	-	-	mg/kg	0.004	U	0.0055	U	0.0043	U	-	-	-	-	-	-
	Vinyl chloride	75-01-4	-	-	mg/kg	0.00099	U	0.0014	U	0.0011	U	-	-	-	-	-	-
Semivolatile Organics by GC/MS																	
	1,2,4,5-Tetrachlorobenzene	95-94-3	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	2,3,4,6-Tetrachlorophenol	58-90-2	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	2,4,5-Trichlorophenol	95-95-4	-	0.003	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	2,4,6-Trichlorophenol	88-06-2	-	0.006	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	2,4-Dichlorophenol	120-83-2	-	0.005	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	2,4-Dimethylphenol	105-67-9	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	2,4-Dinitrophenol	51-28-5	-	-	mg/kg	0.246	U	0.251	U	0.241	U	0.306	U	0.312	U	0.238	U
	2,4-Dinitrotoluene	121-14-2	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	2,6-Dinitrotoluene	606-20-2	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	2-Chloronaphthalene	91-58-7	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	2-Chlorophenol	95-57-8	-	0.008	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	2-Methylphenol	95-48-7	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	2-Nitroaniline	88-74-4	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	2-Nitrophenol	88-75-5	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
	3,3'-Dichlorobenzidine	91-94-1	-	-	mg/kg	0.082	U>										

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS036		DS037		DS038		DS039		DS040		DS041	
SAMPLE ID					OCW_DRE_DS036_VCA_S1		OCW_DRE_DS037_VC_S1		OCW_DRE_DS038_VCB_S1		OCW_DRE_DS039_VC_S1		OCW_DRE_DS040_VC_S1		OCW_DRE_DS041_VC_S1	
SAMPLING DATE					5/9/2022		5/9/2022		5/9/2022		4/16/2022		4/25/2022		4/25/2022	
SAMPLE AREA (See Figure)					Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Barnegat Bay Cable Route		Barnegat Bay Cable Route		Barnegat Bay Cable Route	
SAMPLING PURPOSE					Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Cable Route		Cable Route		Cable Route	
LAB SAMPLE ID					L2224372-07		L2224372-08		L2224372-09		L2220658-01		L2221473-01		L2221473-02	
SAMPLE TYPE					Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
SAMPLE MEDIA					Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
SAMPLE DEPTH (ft. below seabed)					0.0 - 3.2 ft.		0.0 - 3.3 ft.		0.0 - 4.6 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.	
Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
4-Chlorophenyl-phenylether	7005-72-3	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
4-Methylphenol	106-44-5	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
4-Nitroaniline	100-01-6	-	-	mg/kg	0.246	U	0.251	U	0.241	U	0.306	U	0.312	U	0.238	U
4-Nitrophenol	100-02-7	-	-	mg/kg	0.681	U	0.695	U	0.666	U	0.847	U	0.862	U	0.658	U
Acetophenone	98-86-2	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Atrazine	1912-24-9	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Benzaldehyde	100-52-7	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.0149	J	0.0137	J	0.0396	U
Biphenyl	92-52-4	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
bis(2-Chloroethoxy)methane	111-91-1	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
bis(2-Chloroethyl)ether	111-44-4	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
bis(2-chloroisopropyl)ether	108-60-1	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
bis(2-Ethylhexyl)phthalate	117-81-7	0.18216	2.64651	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Butylbenzylphthalate	85-68-7	-	0.063	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0168	J	0.0396	U
Caprolactam	105-60-2	-	-	mg/kg	0.082	U	0.0837	U	0.0802	U	0.102	U	0.104	U	0.0792	U
Carbazole	86-74-8	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Dibenzofuran	132-64-9	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Diethylphthalate	84-66-2	-	0.006	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Dimethylphthalate	131-11-3	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Di-n-butylphthalate	84-74-2	-	0.058	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Di-n-octylphthalate	117-84-0	-	-	mg/kg	0.082	U	0.0837	U	0.0802	U	0.102	U	0.104	U	0.0792	U
Hexachlorobenzene	118-74-1	0.02	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Hexachlorobutadiene	87-68-3	-	0.0013	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Hexachlorocyclopentadiene	77-47-4	-	-	mg/kg	0.246	U	0.251	U	0.241	U	0.306	U	0.312	U	0.238	U
Hexachloroethane	67-72-1	-	0.073	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Isophorone	78-59-1	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Nitrobenzene	98-95-3	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
N-Nitroso-di-n-propylamine	621-64-7	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
n-Nitrosodiphenylamine	86-30-6	-	-	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Pentachlorophenol	87-86-5	-	0.017	mg/kg	0.246	U	0.251	U	0.241	U	0.306	U	0.312	U	0.238	U
Phenol	108-95-2	-	0.130	mg/kg	0.041	U	0.0419	U	0.0401	U	0.051	U	0.0519	U	0.0396	U
Pyridine	110-86-1	-	-	mg/kg	0.164	U	0.167	U	0.16	U	0.204	U	0.208	U	0.158	U
PAHs by GC/MS-SIM																
1-Methylnaphthalene	90-12-0	-	-	mg/kg	0.0007	J	0.00129	J	0.00063	J	0.00162	J	0.00133	J	0.00086	J
2-Methylnaphthalene	91-57-6	0.07	0.67	mg/kg	0.00136	J	0.00171	J	0.00085	J	0.00331	J	0.00225	J	0.00244	J
Acenaphthene	83-32-9	0.016	0.5	mg/kg	0.00482	U	0.00074	J	0.00179	J	0.00597	U	0.00595	U	0.0047	U
Acenaphthylene	208-96-8	0.044	0.64	mg/kg	0.00397	J	0.00409	J	0.00217	J	0.00266	J	0.00193	J	0.0047	U
Anthracene	120-12-7	0.085	1.1	mg/kg	0.00276	J	0.0052		0.0053		0.00332	J	0.00163	J	0.0047	U
Benz(a)anthracene	56-55-3	0.261	1.6	mg/kg	0.0137		0.0214		0.0184		0.00937		0.00307	J	0.0047	U
Benzo(a)pyrene	50-32-8	0.43	1.6	mg/kg	0.0179		0.0281		0.0211		0.0126		0.0031	J	0.0047	U
Benzo(b)fluoranthene	205-99-2	-	1.8	mg/kg	0.0123		0.0175		0.0145		0.0141		0.00281	J	0.0047	U
Benzo(g,h,i)perylene	191-24-2	0.17	-	mg/kg	0.0114		0.0203		0.0105		0.0114		0.00237	J	0.0047	U
Benzo(k)fluoranthene	207-08-9	0.24	-	mg/kg	0.0119		0.0167		0.014		0.00845		0.00234	J	0.0047	U
Chrysene	218-01-9	0.384	2.8	mg/kg	0.0136		0.0204		0.0188		0.012		0.00352	J	0.0047	U
Dibenz(a,h)anthracene	53-70-3	0.063	0.26	mg/kg	0.00275	J	0.00574		0.00302	J	0.00215	J	0.00062	J	0.0047	U
Fluoranthene	206-44-0	0.6	5.1	mg/kg	0.0142		0.033		0.0211		0.0109		0.00375	J	0.0047	U
Fluorene	86-73-7	0.019	0.54	mg/kg	0.00108	J	0.00228	J	0.0017	J	0.00194	J	0.00086	J	0.0047	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.2	-	mg/kg	0.0104		0.0145		0.0109		0.00841		0.00222	J	0.0047	U
Naphthalene	91-20-3	0.16	2.1	mg/kg	0.00281	J	0.0043	J	0.00443	J	0.0116		0.012		0.00534	
Phenanthrene	85-01-8	0.24	1.5	mg/kg	0.00636		0.0189		0.0109		0.00575	J	0.00388	J	0.0047	U
Pyrene	129-00-0	0.665	2.6	mg/kg	0.0164		0.0325		0.0163		0.0153		0.00386	J	0.0047	U
Total Detected PAHs*		4	45		0.14359		0.24865		0.17639		0.13488		0.05154		0.00864	
Organochlorine Pesticides by GC																
4,4'-DDD	72-54-8	0.002	0.02	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015		0.00015	U	0.00011	U
4,4'-DDE	72-55-9	0.0022	0.027	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.0003		0.00015	U	0.00011	U
4,4'-DDT	50-29-3	0.001	0.007	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
Total DDT		0.0016	0.046	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00045		0.00015	U	0.00011	U
Aldrin	309-00-2	0.002	-	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
alpha-BHC	319-84-6	-	-	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
beta-BHC	319-85-7	-	-	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
delta-BHC	319-86-8	-	-	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
Dieldrin	60-57-1	0.002	-	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
Endosulfan I	959-98-8	-	-	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
Endosulfan II	33213-65-9	-	-	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
Endosulfan sulfate	1031-07-8	-	-	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
Endrin	72-20-8	0.003	-	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
Endrin aldehyde	7421-93-4	-	-	mg/kg	0.00036	U	0.00035	U	0.00034	U	0.00046	U	0.00047	U	0.00035	U
Endrin ketone	53494-70-5	-	-	mg/kg	0.00012	U	0.00011	U	0.00011	U	0.00015	U	0.00015	U	0.00011	U
gamma-BHC	58-89-9	-	-	mg/kg	0.00012	U										

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID					DS036	DS037	DS038	DS039	DS040	DS041							
SAMPLE ID					OCW_DRE_DS036_VCA_S1	OCW_DRE_DS037_VC_S1	OCW_DRE_DS038_VCB_S1	OCW_DRE_DS039_VC_S1	OCW_DRE_DS040_VC_S1	OCW_DRE_DS041_VC_S1							
SAMPLING DATE					5/9/2022	5/9/2022	5/9/2022	4/16/2022	4/25/2022	4/25/2022							
SAMPLE AREA (See Figure)					Oyster Creek Fed. Chan.	Oyster Creek Fed. Chan.	Oyster Creek Fed. Chan.	Barnegat Bay Cable Route	Barnegat Bay Cable Route	Barnegat Bay Cable Route							
SAMPLING PURPOSE					Proposed Dredge Material	Proposed Dredge Material	Proposed Dredge Material	Cable Route	Cable Route	Cable Route							
LAB SAMPLE ID					L2224372-07	L2224372-08	L2224372-09	L2220658-01	L2221473-01	L2221473-02							
SAMPLE TYPE					Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample							
SAMPLE MEDIA					Sediment	Sediment	Sediment	Sediment	Sediment	Sediment							
SAMPLE DEPTH (ft. below seabed)					0.0 - 3.2 ft.	0.0 - 3.3 ft.	0.0 - 4.6 ft.	0.0 - 6.0 ft.	0.0 - 6.0 ft.	0.0 - 6.0 ft.							
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Polychlorinated Biphenyls by GC																	
	Aroclor 1016	12674-11-2	0.007	-	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1221	11104-28-2	-	-	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1232	11141-16-5	-	-	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1242	53469-21-9	-	-	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1248	12672-29-6	0.03	-	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1254	11097-69-1	0.06	-	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1260	11096-82-5	0.005	-	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1262	37324-23-5	-	-	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	Aroclor 1268	11100-14-4	-	-	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
	PCBs, Total	1336-36-3	0.023	0.18	mg/kg	0.00908	U	0.00895	U	0.00866	U	0.0116	U	0.0118	U	0.00877	U
Total Metals																	
	Aluminum, Total	7429-90-5	-	18000	mg/kg	2200		2750		1130		7530		6160		323	
	Antimony, Total	7440-36-0	-	9.3	mg/kg	1.98	U	2.02	U	1.89	U	2.46	U	2.42	U	1.79	U
	Arsenic, Total	7440-38-2	8.2	70	mg/kg	2.77		3.72		1.9		6.68		5.1		0.519	J
	Barium, Total	7440-39-3	-	48	mg/kg	5.47		7.28		3.1	J	19.5		16.1		1.19	J
	Beryllium, Total	7440-41-7	-	-	mg/kg	0.13	J	0.168	J	0.354	U	0.354	J	0.306	J	0.336	U
	Cadmium, Total	7440-43-9	1.2	9.6	mg/kg	0.077	J	0.093	J	0.042	J	0.144	J	0.079	J	0.224	U
	Calcium, Total	7440-70-2	-	-	mg/kg	1370		1620		832		3170		2380		1550	
	Chromium, Total	7440-47-3	81	370	mg/kg	8.39		10.2		4.18		25.2		18.7		1.43	J
	Cobalt, Total	7440-48-4	-	10	mg/kg	1.62		2.18		0.981		4.48		3.51		0.223	J
	Copper, Total	7440-50-8	34	270	mg/kg	3.4		4.08		1.53	J	9.2		5.38		0.516	J
	Iron, Total	7439-89-6	-	-	mg/kg	4900		6100		2490		15800		12400		676	
	Lead, Total	7439-92-1	47	218	mg/kg	5.22		6.33		3.44		9.89		4.58		0.942	
	Magnesium, Total	7439-95-4	-	-	mg/kg	1530		1840		808		4800		3620		304	
	Manganese, Total	7439-96-5	-	260	mg/kg	40.5		54.7		22.9		125		88.4		5.3	
	Mercury, Total	7439-97-6	0.15	0.71	mg/kg	0.041		0.043		0.01	J	0.063		0.03		0.005	J
	Nickel, Total	7440-02-0	21	52	mg/kg	4.42		5.31		2.19		12.7		9.65		0.658	J
	Potassium, Total	7440-09-7	-	-	mg/kg	688		829		353		2060		1690		138	
	Selenium, Total	7782-49-2	-	1	mg/kg	2.48	U	2.53	U	2.36	U	1.18	J	2.64	J	2.24	U
	Silver, Total	7440-22-4	1	3.7	mg/kg	0.62	U	0.633	U	0.59	U	0.77	U	0.755	U	0.559	U
	Sodium, Total	7440-23-5	-	-	mg/kg	2280		2720		1840		4620		4950		1310	
	Thallium, Total	7440-28-0	-	-	mg/kg	0.166	J	0.155	J	0.249	J	0.243	J	0.488	J	0.169	J
	Tin, Total	7440-31-5	-	3.4	mg/kg	0.961	J	1.14	J	1.02	J	0.936	J	0.956	J	0.458	J
	Vanadium, Total	7440-62-2	-	57	mg/kg	8.4		10.3		4.16		25.6		18.7		1.47	
	Zinc, Total	7440-66-6	150	410	mg/kg	17.7		20.8		8.77	J	40.6		23.5		11.2	U
Total Organic Carbon																	
	Total Organic Carbon (Rep1)	7440-44-0	-	-	mg/kg	4180		3150		1220		9500		22200		1430	
	Total Organic Carbon (Rep2)	7440-44-0	-	-	mg/kg	3840		3260		1130		12000		23100		1100	
	Total Organic Carbon (Average)	7440-44-0	-	-	mg/kg	4010		3210		1180		10800		22600		1270	
General Chemistry																	
	Chromium, Trivalent	16065-83-1	-	-	mg/kg	8.4		9.9	J	4.2		25		19		2.2	U
	Solids, Total	NONE	-	-	%	79		78.2		82		64		62.3		83.9	
	Cyanide, Total	57-12-5	-	-	mg/kg	1.2	U	1.2	U	1.2	U	1.5	U	1.5	U	1.2	U
	Moisture	NONE	-	-	%	21		21.8		18		36		0.1	U	0.1	U
	WATER CONTENT	NONE	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-
Grain Size Analysis																	
	Cobbles	NONE	-	-	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	% Coarse Gravel	NONE	-	-	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	% Fine Gravel	NONE	-	-	%	0.1	U	0.1	U	0.1	U	15.2		1		0.1	U
	% Coarse Sand	NONE	-	-	%	1.6		1		0.2		17.6		2		0.3	
	% Medium Sand	NONE	-	-	%	6.2		4.7		2.1		21.8		8		51.7	
	% Fine Sand	NONE	-	-	%	75.6		79.9		90.1		25.2		55.9		45.8	
	% Silt Fine	NONE	-	-	%	14.5		13.1		6.9		18.1		30.6		2.1	
	% Clay Fine	NONE	-	-	%	2.1		1.3		0.7		2.1		2.5		0.1	
	% Total Fines	NONE	-	-	%	16.6		14.4		7.6		20.2		33.1		2.2	
NJ Hexavalent Chromium																	
	Chromium, Hexavalent	18540-29-9	-	-	mg/kg	1.01	U	0.32	J	0.976	U	1.25	U	1.28	U	0.954	U
	pH	12408-02-5	-	-	SU	7.6		7.8		7.9		8		7.6		8	
	Oxidation/Reduction Potential	NONE	-	-	mv	200		200		190		180		200		190	
Dioxins & Furans by Isotope Dilution HRMS																	
	1,2,3,4,6,7,8-HpCDD	35822-46-9	-	-	mg/kg	0.0000049		0.00000376		0.00000154	J	-	-	-	-	-	-
	1,2,3,4,6,7,8-HpCDF	67562-39-4	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	1,2,3,4,7,8,9-HpCDF	55673-89-7	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	1,2,3,4,7,8-HxCDD	39227-28-6	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	1,2,3,4,7,8-HxCDF	70648-26-9	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	1,2,3,6,7,8-HxCDD	57653-85-7	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	1,2,3,6,7,8-HxCDF	57117-44-9	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	1,2,3,7,8,9-HxCDD	19408-74-3	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	1,2,3,7,8,9-HxCDF	72918-21-9	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	1,2,3,7,8-PeCDD	40321-76-4	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	1,2,3,7,8-PeCDF	57117-41-6	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	2,3,4,6,7,8-HxCDF	60851-34-5	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	2,3,4,7,8-PeCDF	57117-31-4	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	2,3,7,8-TCDD	1746-01-6	-	0.0000036	mg/kg	0.000000626	U	0.000000622	U	0.000000592	U	-	-	-	-	-	-
	2,3,7,8-TCDF	51207-31-9	-	-	mg/kg	0.000000626	U	0.000000622	U	0.000000592	U	-	-	-	-	-	-
	OCDD	3268-87-9	-	-	mg/kg	0.0000845		0.0000596		0.0000166		-	-	-	-	-	-
	OCDF	39001-02-0	-	-	mg/kg	0.00000436	J	0.00000622	U	0.00000592	U	-	-	-	-	-	-

OCEAN WIND 1
Table D-2: SSAP SEDIMENT SAMPLING ANALYTICAL RESULTS SUMMARY
Comparison to NJDEP Ecological Screening Criteria

STATION ID						DS036		DS037		DS038		DS039		DS040		DS041	
SAMPLE ID						OCW_DRE_DS036_VCA_S1		OCW_DRE_DS037_VC_S1		OCW_DRE_DS038_VCB_S1		OCW_DRE_DS039_VC_S1		OCW_DRE_DS040_VC_S1		OCW_DRE_DS041_VC_S1	
SAMPLING DATE						5/9/2022		5/9/2022		5/9/2022		4/16/2022		4/25/2022		4/25/2022	
SAMPLE AREA (See Figure)						Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Oyster Creek Fed. Chan.		Barnegat Bay Cable Route		Barnegat Bay Cable Route		Barnegat Bay Cable Route	
SAMPLING PURPOSE						Proposed Dredge Material		Proposed Dredge Material		Proposed Dredge Material		Cable Route		Cable Route		Cable Route	
LAB SAMPLE ID						L2224372-07		L2224372-08		L2224372-09		L2220658-01		L2221473-01		L2221473-02	
SAMPLE TYPE						Field Sample		Field Sample		Field Sample		Field Sample		Field Sample		Field Sample	
SAMPLE MEDIA						Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
SAMPLE DEPTH (ft. below seabed)						0.0 - 3.2 ft.		0.0 - 3.3 ft.		0.0 - 4.6 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.		0.0 - 6.0 ft.	
	Analyte	CAS RN	ER-L	ER-M	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	Total HpCDD	37871-00-4	-	-	mg/kg	0.0000126		0.0000105		0.00000296	U	-	-	-	-	-	-
	Total HpCDF	38998-75-3	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	Total HxCDD	34465-46-8	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	Total HxCDF	55684-94-1	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	Total PCDD	null	-	-	mg/kg	0.0000971		0.0000701		0.0000166		-	-	-	-	-	-
	Total PCDF	null	-	-	mg/kg	0.000000626	U	0.000000622	U	0.000000592	U	-	-	-	-	-	-
	Total PeCDD	36088-22-9	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	Total PeCDF	30402-15-4	-	-	mg/kg	0.00000313	U	0.00000311	U	0.00000296	U	-	-	-	-	-	-
	Total TCDD	41903-57-5	-	-	mg/kg	0.000000626	U	0.000000622	U	0.000000592	U	-	-	-	-	-	-
	Total TCDF	55722-27-5	-	-	mg/kg	0.000000626	U	0.000000622	U	0.000000592	U	-	-	-	-	-	-
	Toxic Equivalency (TEQ)	null	-	-	mg/kg	0.000000074		0.000000055		0.000000005		-	-	-	-	-	-

FOOTNOTES
Results Column = reported detected concentration or reporting limit (for non-detects).
ER-L: New Jersey Effects Range Low (ER-L) Saline Water Sediment Criteria Criteria per March 10, 2009 Guidance Document.
ER-M: New Jersey Effects Range Medium (ER-M) Saline Water Sediment Criteria Criteria per March 10, 2009 Guidance Document.

Criteria Exceedances (see above description)
RL exceeds minimum of ER-L/ER-M
Detection Exceeds ER-L
Detection Exceeds ER-M
Note: shading of criteria column indicates one or more exceedances of the corresponding criteria (either detected concentration or RL) and is provided for reader convenience.
RL = Reporting Limit
* Total Detected PAHs: Sum of detected compounds only.
** Chlordane (sum of alpha/gamma): Sum of alpha and gamma Chlordane. When both alpha and gamma are not detected the max of the reporting limits is shown; otherwise it is the sum of detected concentrations.

Qualifiers ("Qual" Column)
U - Analyte not detected at a concentration above the reporting detection limit (the value shown for non-detects)
B - Analyte detected above the reporting limit in an associated quality control blank.
J - Analyte positively identified; concentration estimated.

ATTACHMENT E

Upland Placement of Dredged Material – Letter of Acceptance of Dredged Material

VIA Electronic Mail

August 23, 2022

Mr. Colin Mills
Geoscientist/Env. Data Analyst
HDR Engineering, Inc.
1 International Boulevard
10th Floor, Suite 1000
Mahwah, New Jersey 07495

RE: Ocean Wind 1 Dredge Project Conditional Approval
Ocean City, New Jersey
Island Beach State Park, New Jersey
Barnegat Bay, New Jersey
Proposed Approval Volume: 149,500 cy (224,250 tons)

Dear Mr. Mills:

Clean Earth, LLC (CE) is in receipt of information for a new source of dredge material for the Clean Earth Bethlehem (CEB) Site. The analytical data and information supplied represents a volume of up to 149,500 cubic yards (224,250 tons) of material to be generated from the Ocean Wind 1 Project, a joint venture between Ørsted Wind Power North America, LLC and Public Service Enterprise Group (PSEG). It is understood that dredge material will be generated from multiple points of origin. It is expected that up 8,000 CY will be generated from BL England near Ocean City, NJ; up to 16,000 CY will be generated from the Island Beach State Park location; up to 65,000 CY will be generated from the Prior Channel; up to 55,500 CY will be generated from Holtec; and up to 5,000 CY will be generated from Oyster Creek Federal Channel.

The CEB Site is estimated to require more than 1,500,000 cubic yards of fill material. The site therefore has sufficient uncommitted upland disposal/beneficial use capacity to accommodate the dredged material from the referenced dredging project after processing at Clean Earth Dredging Technologies (CEDT) Claremont Dredge Material Processing Facility (DMPF). Dredge material processing capabilities are subject to availability at the time of project commencement.

A review of the analytical data summary tables, provided by HDR Engineering, Inc. (HDR), has been completed. A total of forty-nine (49) samples were collected from the project area. The analytical data was found to meet the Pennsylvania Regulated Fill Criteria.

It is anticipated that the material generated from this project will meet the definition of Regulated Fill as defined in General Permit No. WMGR096-NE004. Acceptance of dredged material at CEB is contingent upon the receipt additional analysis to satisfy the required sampling frequency and sampling protocols within the Pennsylvania Management of Fill Policy. Acceptance of dredged material is further contingent upon the receipt of all necessary approvals and authorizations from all applicable regulatory agencies and authorities.

Please contact me should you have any questions at (215) 734-1400, extension 1256.

Very truly yours,

CLEAN EARTH DREDGING TECHNOLOGIES, LLC

A handwritten signature in black ink, appearing to read "Kristin Foldes".

Kristin Foldes

Project Manager - Compliance