US Army Corps of Engineers®

Public Notice

In replying refer to:
Public Notice No. HR-AFO-MD21
Published: December 4, 2020 Expires: January 2, 2021

New York District
Albany Field Office
1 Bond Street
Troy, N.Y. 12180
ATTN: CENAN-OP-A

HUDSON RIVER, NEW YORK
PORT OF ALBANY TURNING BASIN DREDGE AREA
FEDERAL NAVIGATION PROJECT
MAINTENANCE DREDGING

TO WHOM IT MAY CONCERN:

The New York District, US Army Corps of Engineers, pursuant to Section 10 of the Rivers and Harbors Act of 1899 and Section 404 (33 U.S.C. 1344) of the Federal Water Pollution Control Act (amended in 1977 and commonly referred to as the Clean Water Act), proposes to perform maintenance dredging of the federal navigation project: Hudson River, New York City to Waterford, NY (see Enclosures 1 thru 4); with subsequent placement of the dredged material in the federally owned upland dredged material placement site on Houghtaling Island, New Baltimore, New York.

WATERWAY/PROJECT: Hudson River, New York City to Waterford, NY, Federal Navigation Project

LOCATIONS: Port of Albany Turning Basin, New York.

The Hudson River federal navigation project was authorized by the Rivers and Harbors Acts of 1910 to 1930; and modified in 1934, 1935, 1938 and 1954, in accordance with the recommendations contained in the following Congressional Documents: House Document (HD) No. 719, 61st Congress, 2nd Session (Jun 1910) and modified by HD No. 350, 68th Congress, 1st Session (Mar 1925); HD No. 210, 70th Congress, 1st Session (Jul 1930); Senate Document No. 155, 72nd Congress, 2nd Session (Aug 1935); HD No. 572, 75th Congress, 3rd Session (Jun 1938); and Public Law No. 780, 83rd Congress, 2nd Session (Sep 1954).

The existing navigation project authorizes a channel 600 ft. wide, New York City to Kingston, thence 400 ft. wide to 2,200 ft. wide south of the Mall Bridge (Dunn Memorial Bridge) at Albany with a turning basin at Albany and anchorages near Hudson and Stuyvesant, all with depths of 32 ft. in soft material and 34 ft. in rock; thence 27 ft. deep and 400 ft. wide to 900 ft. south of the Mall Bridge (Dunn Memorial Bridge); thence 14 ft.

deep and generally 400 ft. wide, to the Federal Lock at Troy; and thence 14 ft. deep and 200 ft. wide, to the southern limit of the State Barge Canal at Waterford; with widening at bends and widening in front of the cities of Troy and Albany to form harbors 12 ft. deep. The total length of the existing navigation project (NYC to Waterford) is about 155 miles.

A detailed description of the proposed activities is enclosed to assist in your review. This activity is being evaluated to determine that the proposed dredging with placement of dredged material in the federally owned upland site on Houghtaling Island will not unreasonably degrade or endanger human health, welfare, economic potential, recreation and aesthetics, water quality, marine resources, ecological systems and/or flood protection.

The Corps of Engineers is soliciting comments from the public; federal, state and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Comments are used to assess impacts on navigation, water quality, endangered species, historic resources, wetlands, scenic and recreational values, and other public interest factors. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act and to determine the need for a public hearing.

ALL COMMENTS REGARDING THIS ACTIVITY MUST BE PREPARED IN WRITING AND MAILED TO REACH THE ALBANY FIELD OFFICE AT THE ADDRESS ON THE FRONT PAGE BEFORE THE EXPIRATION DATE OF THIS NOTICE, otherwise, it will be presumed that there are no objections to the activity.

Any person who has an interest which may be affected by the dredging and/or placement of this dredged material may request a public hearing. The request must be submitted in writing to the District Engineer within the comment period of this notice and must clearly set forth the interest which may be affected and the manner in which the interest may be affected by the activity. It should be noted that information submitted by mail is considered just as carefully in the process and bears the same weight as that furnished at a public hearing.

No known archaeological, scientific, prehistorical or historical data are expected to be lost by work accomplished under the required dredging.

Reviews of the activity pursuant to Section 404 of the Clean Water Act will include application of the guidelines announced by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act. The Corps will obtain a water quality certificate (WQC) or waiver from the New York State Department of Environmental Conservation, in accordance with Section 401 of the Clean Water Act prior to commencement of any work.

Pursuant to Section 307 of the Coastal Zone Management Act of 1972 as amended [16 USC 1456(c)], for activities conducted or supported by a federal agency in a state which

has a federally approved Coastal Zone Management (CZM) program, the Corps will submit a determination that the proposed project is consistent with the State CZM program to the maximum extent practicable. This activity is subject to review by the New York State Department of State for its consistency with the enforceable policies of the New York State Coastal Management Program. The New York District of the US Army Corps of Engineers has determined that the proposed activities are consistent to the maximum extent practicable with the New York State CZM program. A copy of this determination will be provided to the New York State Department of State, Division of Coastal Resources, with a request for State's agreement with that determination. For activities within the coastal zone of the State of New York, project information is available from the Coastal Zone Management Program, New York State Department of State, Office of Coastal, Local Government, and Community Sustainability, One Commerce Plaza, 99 Washington Avenue, Suite 1010, Albany, NY 11231, telephone (518) 474-3642.

In compliance with Section 305(b)(2) of the Magnuson-Stevens Fishery Conservation and Management Act (1996 amendments), an Essential Fish Habitat Assessment will be prepared and submitted to the National Marine Fisheries Service for review and comment.

The proposed work is being coordinated with the following federal, state and local agencies:

- U.S. Environmental Protection Agency
- U.S. Department of the Interior, Fish and Wildlife Service
- U.S. Department of Commerce, National Marine Fisheries Service
- U.S. Coast Guard, First District
- New York State Department of Environmental Conservation
- New York State Department of State

If you have any questions concerning this notice, you may contact the Albany Field Office at (518) 273-0870 and ask for Mr. Devon Hinds. Comments or questions may be FAXED to (518) 273-3772 ATTN: Mr. Devon Hinds.

DESCRIPTION OF PLANNED FEDERAL ACTION:

The U.S. Army Corps of Engineers, New York District proposes to perform maintenance dredging of a dredge area in the Hudson River federal navigation project, located at the Port of Albany Turning Basin (River Mile 142), New York (Enclosure 1). Based on condition surveys performed in September-November 2019, the proposed maintenance dredging would involve the removal of a combined estimated total of up to 31,000 CY of material from the two dredging areas. The project will be dredged to its authorized depth of -32 feet plus 1 foot of allowable overdepth. The project depth is referenced to the plane of COE Mean Low Water (original project datum). This datum is approximately 2.55 feet below NAVD88.

The purpose of the proposed dredging is to alleviate the effects of shoaling in order to maintain the authorized project dimensions, thereby assuring safe and economical use

of the Hudson River by commercial shipping interests. The dredge material has been tested and meets the criteria for confined disposal in the federally owned upland dredged material placement site on Houghtaling Island, New Baltimore, New York.

Maintenance dredging of the Hudson River federal navigation projects will be accomplished by a mechanical dredge, or other similar plant. The entire channel will generally not require maintenance dredging; only areas where shoaling has reduced the depth of the channel will require dredging. No in-water work will occur during the following environmental windows for Shortnose sturgeon (*Ascipenser brevirostrum*) and Atlantic sturgeon (*Ascipenser oxyrinchus*): March 1st to September 1st from RM 135 to RM 116.

ENVIRONMENTAL IMPACT STATEMENT:

An Environmental Impact Statement (EIS) was prepared by the U.S. Army Engineer District, New York in January 1983. Environmental Assessments (EA) updating this EIS were prepared by the New York District for similar maintenance dredging projects performed in calendar years 1986, 1988, 1990, 1992, 1995, 1998, 2001, 2003, 2007, 2010, 2012-13, 2014, 2016, 2018, and 2020. It was determined then that maintenance dredging of the Hudson River federal navigation project, with placement of the dredged material on the federally owned upland placement site on Houghtaling Island has no significant adverse environmental impacts on water quality, marine resources, fish, wildlife, recreation, aesthetics and flood protection

An update of the EA and a 404 (b) evaluation as required by the Clean Water Act 40 CFR 230 will be finalized prior to the implementation of the proposed work. A copy of the draft EA is available upon request by contacting the Albany Field Office.

PLACEMENT SITE:

The dredged material from this project is proposed to be placed in the federally owned upland placement site on Houghtaling Island, New Baltimore, New York. This site is located at River Mile 130 as shown on the attached map (Enclosure 3). The dredged material will be loaded into hopper scow(s), transported by tug(s), and pumped into Area B of the designated site utilizing a hydraulic unloader, or other similar plant; as shown on the attached map

MATERIAL DESCRIPTION:

The proposed dredge area are depicted in Enclosure 2. The proposed dredge material has been characterized by taking sediment core samples extending to a depth of -32 feet (project depth) plus 1 foot of allowable over-depth. Based on the analysis of the core samples; the average grain size characteristics of the proposed dredged material are as follows:

Port of Albany Turning Basin Dredge Area, R2 (Sample ID 20190299 Composite):

0.0% Gravel, 17.5% Sand, 59.5% Silt, 23.0% Clay

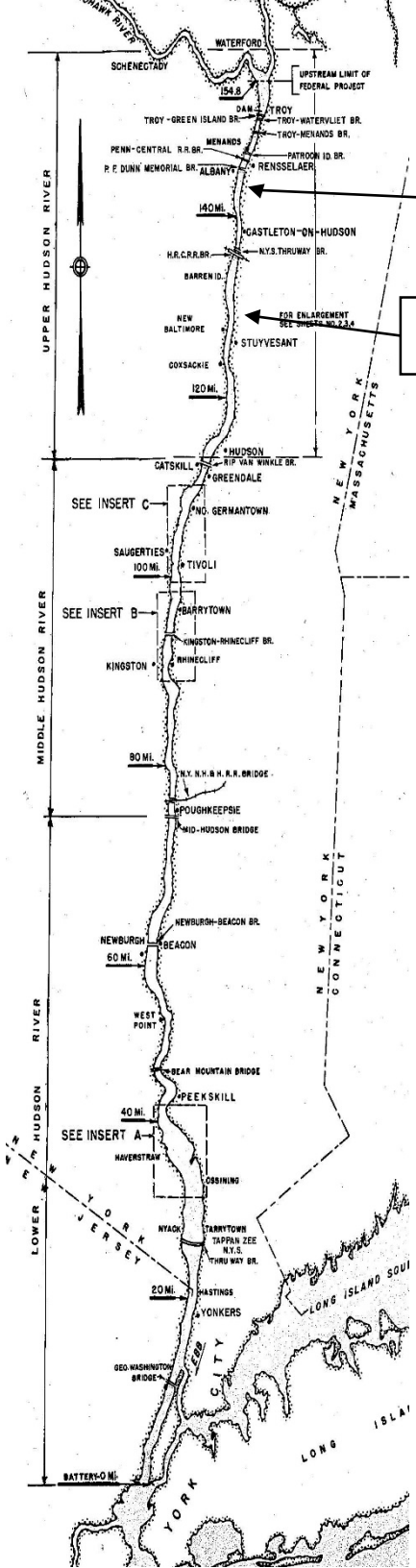
See Enclosure 2 for sample locations and Enclosure 4 for the physical and chemistry summary data reports. The full chemistry data reports entitled "Technical Report on the Sampling and Testing of Material from Upper Hudson River for FNC Maintenance Dredging, Delivery Order No. W912DS-19-F-0052" dated August 2019 are available for review at the Albany Field Office, Troy, NY.

For more information on the New York District Corps of Engineers programs, visit our website at http://www.nan.usace.army.mil

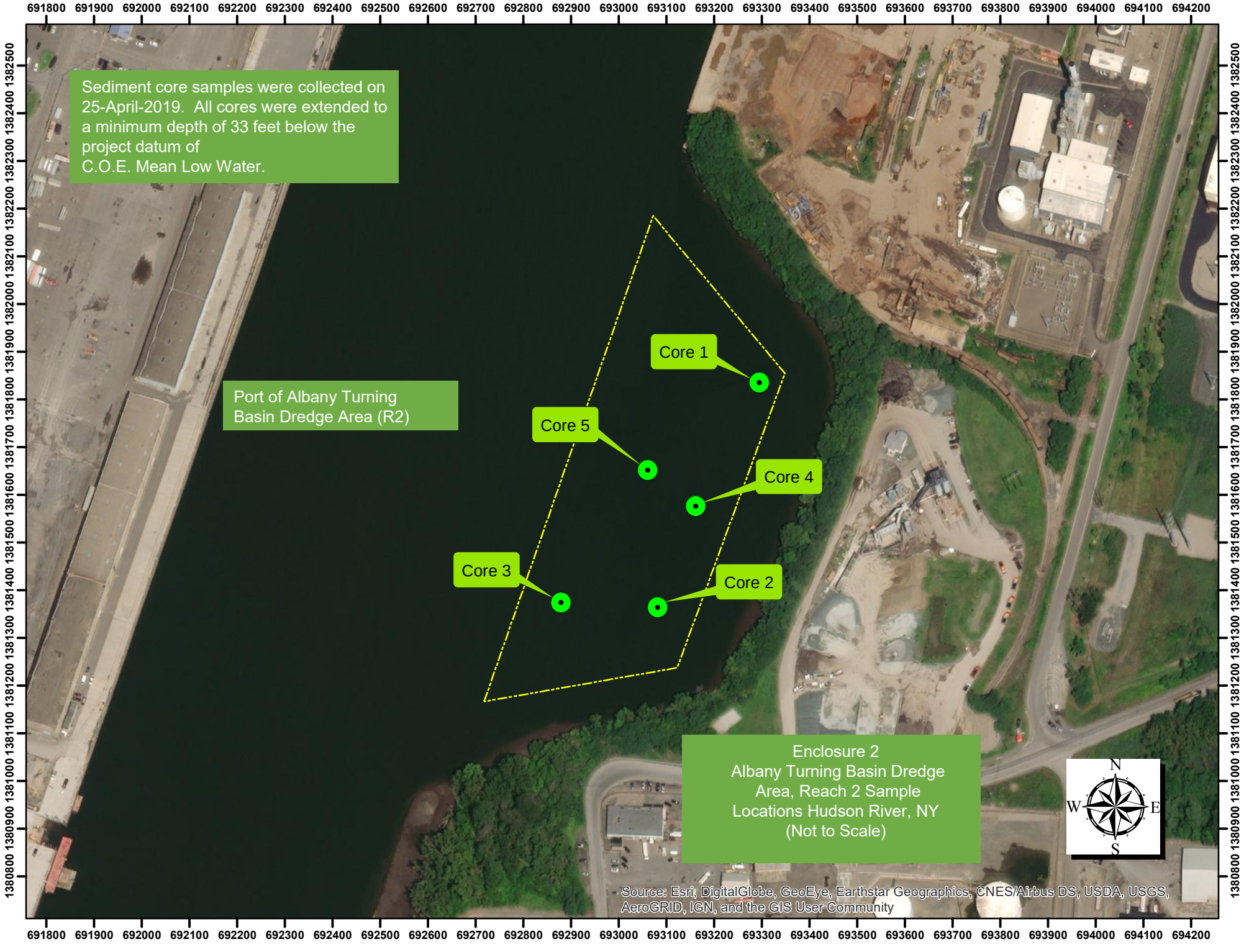
It is requested that you communicate the foregoing information concerning the proposed work to any persons known by you to be interested and who did not receive a copy of this notice.

Enclosures
As stated

Reggie L. Eakins, P.E.
Chief, Albany Field Office



ENCLOSURE 1
LOCATION MAP OF
PROPOSED DREDGE AREAS
AND
PLACEMENT SITE
(Not to Scale)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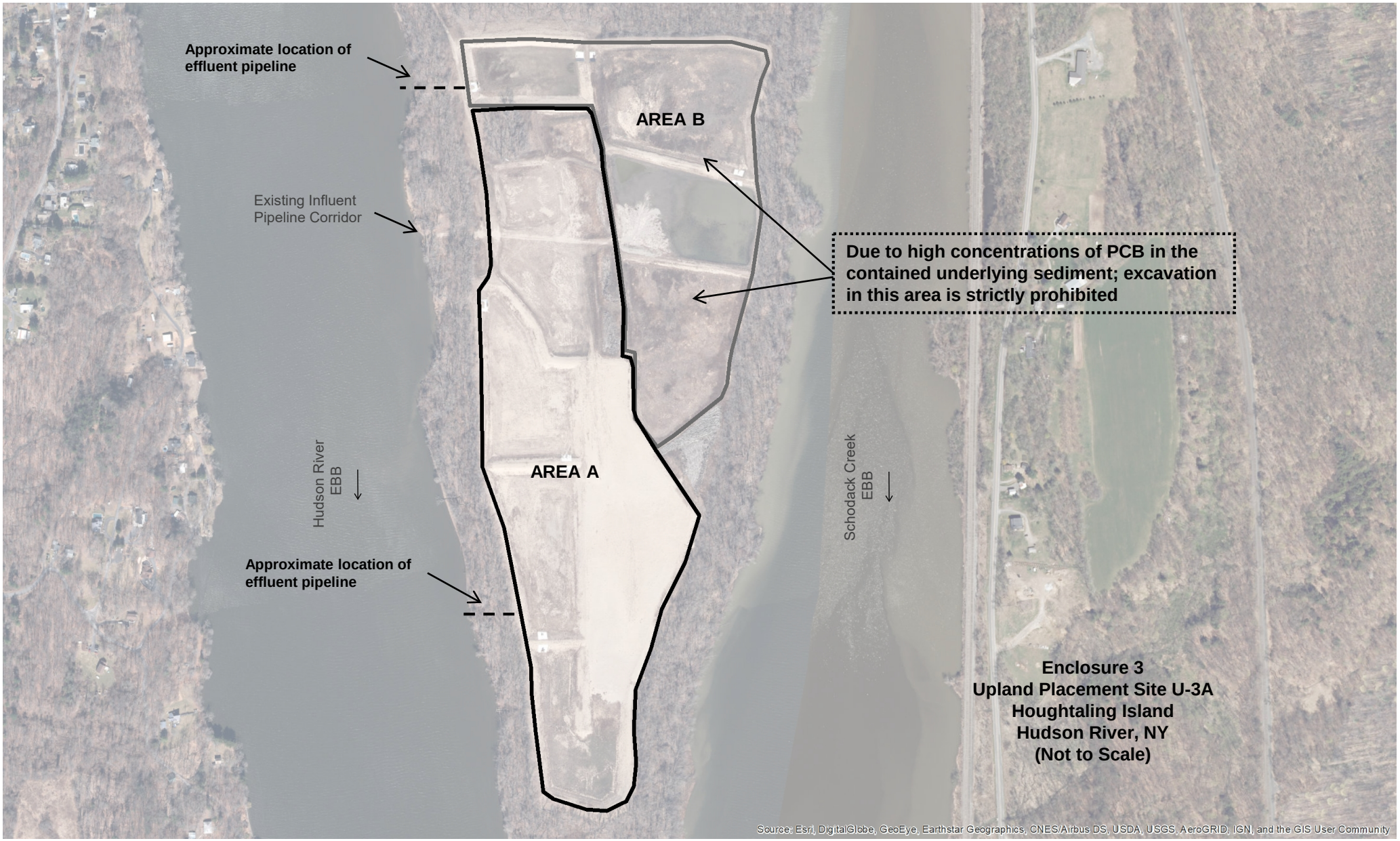
1382500 1382400 1382300 1382200 1382100 1382000 1381900 1381800 1381700 1381600 1381500 1381400 1381300 1381200 1381100 1381000 1380900 1380800
Sediment core samples were collected on 25-April-2019. All cores were extended to a minimum depth of 33 feet below the project datum of C.O.E. Mean Low Water.
Port of Albany Turning Basin Dredge Area (R2)
Core 1
Core 5
Core 4
Core 3
Core 2
Enclosure 2
Albany Turning Basin Dredge Area, Reach 2 Sample Locations Hudson River, NY
(Not to Scale)
N
W
E
S
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Enclosure 3
Upland Placement Site U-3A
Houghtaling Island
Hudson River, NY
(Not to Scale)

Table 3. Grain Size Distribution, Percent Moisture, and TOC Results

Sample ID	ASI #	Total % Gravel	Total % Sand	Total % Silt	Total % Clay	% Moisture	TOC Ppm	% TOC of Dry Weight
ATB-1	20190278	0.0	23.5	56.4	20.1	48.0	31,260	3.13
ATB-1	20190278 dup	0.0	26.3	55.2	18.5			
ATB-1	20190278 trp	0.0	28.4	53.0	18.6			
ATB-2	20190279	0.0	20.3	56.1	23.6	59.6	40,761	4.08
ATB-3	20190280	0.0	20.4	57.1	22.5	57.3	36,055	3.61
ATB-4	20190281	0.0	16.8	61.0	22.2	57.6	36,671	3.67
ATB-5	20190282	0.1	19.6	56.6	23.7	56.8	34,107	3.41
ATB Composite	20190299	0.0	17.5	59.5	23.0	54.4	35,038	3.50

DO33 Upland - COMP ATB - Sediment Volatiles

Volatiles	Action Level		Action Level		Unamended Sediment (Units: ug/kg)	
ASI ID #	Soil		Leachate		20190299	
	ug/kg		ug/L		COMP ATB	Q
Chloromethane (Methyl Chloride)	4000		30		ND	U
Bromomethane	25000		10		ND	U
Vinyl chloride	700		5		ND	U
Chloroethane	220000		NA		ND	U
Methylene chloride (Dichloromethane)	34000		3		3.1	J
Acetone	70000000		700		330	
Carbon disulfide	7800000		NA		8.2	J
1,1-Dichloroethene	11000		2		ND	U
1,1-Dichloroethane	8000		50		ND	U
1,2-Dichloroethene (total)			10			
Chloroform	600		6		ND	U
1,2-Dichloroethane	900		NA		ND	U
2-Butanone (MEK)	3100000		300		61	
1,1,1-Trichloroethane	290000		30		ND	U
Carbon tetrachloride	600		2		ND	U
Bromodichloromethane	1000		1		ND	U
1,2-Dichloropropane	2000		1		ND	U
cis-1,3-Dichloropropene	NA		NA		ND	U
Trichloroethene	7000		1		ND	U
Dibromochloromethane	3000		10		ND	U
1,1,2-Trichloroethane	2000		3		ND	U
Benzene	2000		1		ND	U
trans-1,3-dichloropropene	NA		NA		ND	U
Bromoform	81000		4		ND	U
4-Methyl-2-pentanone (MIBK)	NA		400		ND	U
2-Hexanone	NA		NA		ND	U
Tetrachloroethene	2000		1		ND	U
1,1,2,2-Tetrachloroethane	1000		NA		ND	U
Toluene	6300000		1000		2.4	J
Chlorobenzene	510000		50		8.3	J
Ethyl benzene	7800000		700		1.6	J
Styrene	90000		100		0.4	J
Xylenes(Total)	12000000		1000		3.7	J
Acrolein	500				14	J
Acrylonitrile	900				ND	U
1,2-Dibromo-3-chloropropane	80				ND	U
1,2-Dibromoethane	8				ND	U
Dichlorodifluoromethane	490000				ND	U
1,2-Dichloroethene (cis)	230000				ND	U
1,2-Dichloroethene (trans)	300000				ND	U
Methyl acetate	78000000				190	
Methyl tert-butyl ether (MTBE)	110000				ND	U
Tertiary butyl alcohol (TBA)	1400000				18	J
Trichlorofluoromethane	23000000				ND	U
Combined 1,3-dichloropropenes (SUM) cis + trans	2000		0.2			
1,4-dioxane					ND	U
n-propylbenzene					0.96	J
sec-butylbenzene					0.75	J
tert-butylbenzene					ND	U
1,2,4-trimethylbenzene					1.7	J
1,3,5-trimethylbenzene					1.2	J

DO33 Upland - COMP ATB - Sediment Semivolatiles

Semivolatiles	Action Level	NJDEP DL	Action Level	NJDEP DL	Unamended Sediment (Units: ug/kg)	
ASI ID #	Soil		Leachate		20190299	
	ug/kg	ug/kg	mg/L	mg/L	COMP ATB	Q
Phenol	18000000	660	4	0.01	ND	U
bis(2-Chloroethyl)ether	400	660	0.01	0.01	ND	U
2-Chlorophenol	310000	660	0.005	0.01	ND	U
1,3-Dichlorobenzene	5300000	660	0.6	0.01	ND	U
1,4-Dichlorobenzene	5000	660	0.075	0.01	ND	U
1,2-Dichlorobenzene	5300000	660	0.6	0.01	ND	U
2-Methylphenol (o-cresol)	310000	660	NA	0.01	ND	U
1-Chloropropane-2,2'-oxybis/ bis(2-chloroisopropyl)ether	23000	660	0.3	0.01	ND	U
4-Methylphenol (p-cresol) (co-elutes with 3-methylphenol (m-cresol))	31000	660	NA	0.01	550	U
N-Nitroso-Di-N-Propylamine	200	660	0.02	0.01	ND	U
Hexachloroethane	35000	660	0.01	0.01	ND	U
Nitrobenzene	31000	660	0.01	0.01	ND	U
Isophorone	510000	660	0.1	0.01	ND	U
2-Nitrophenol	NA	660	NA	0.01	ND	U
2,4-Dimethylphenol	1200000	660	0.1	0.01	ND	U
bis(2-Chloroethoxy)methane	NA	660	NA	0.01	ND	U
2,4-Dichlorophenol	180000	660	0.02	0.01	ND	U
1,2,4-Trichlorobenzene	73000	660	0.009	0.01	ND	U
Naphthalene	6000	660	0.3	0.01	30	J
4-Chloroaniline	NA	1300	NA	0.02	ND	U
Hexachloro-1,3-butadiene	6000	660	NA	0.01	ND	U
4-Chloro-3-methylphenol	NA	1300	NA	0.02	ND	U
2-Methylnaphthalene	230000	660	NA	0.01	19	J
Hexachlorocyclopentadiene	45000	660	0.05	0.01	ND	U
2,4,6-Trichlorophenol	19000	660	0.02	0.01	ND	U
2,4,5-Trichlorophenol	6100000	660	0.7	0.01	ND	U
2-Chloronaphthalene	NA	660	NA	0.01	ND	U
2-Nitroaniline	39000	3300	NA	0.05	ND	U
Dimethylphthalate	NA	660	NA	0.01	ND	U
Acenaphthylene	300000000	660	NA	0.01	22	J
2,6-Dinitrotoluene	700	660	0.01	0.01	ND	U
3-Nitroaniline	NA	3300	NA	0.05	ND	U

DO33 Upland - COMP ATB - Sediment Semivolatiles, con't.

Semivolatiles, continued	Action Level	NJDEP DL	Action Level	NJDEP DL	Unamended Sediment (Units: ug/kg)	
ASI ID #	Soil		Leachate		20190299	
	ug/kg	ug/kg	mg/L	mg/L	COMP ATB	Q
Acenaphthene	3400000	660	0.4	0.01	ND	U
2,4-Dinitrophenol	120000	3300	0.04	0.05	ND	U
4-Nitrophenol	NA	3300	NA	0.05	ND	U
Dibenzofuran	NA	660	NA	0.01	ND	U
2,4-Dinitrotoluene	700	660	0.01	0.01	ND	U
Diethylphthalate	49000000	660	5	0.01	ND	U
4-Chlorophenyl-phenylether	NA	660	NA	0.01	ND	U
Fluorene	2300000	660	0.3	0.01	37	J
4-Nitroaniline	NA	660	NA	0.02	ND	U
4,6-Dinitro-2-methylphenol	6000	3300	NA	0.05	ND	U
N-Nitrosodiphenylamine	99000	660	0.02	0.01	ND	U
4-Bromophenyl-phenylether	NA	660	NA	0.01	ND	U
Hexachlorobenzene	300	660	0.01	0.01	ND	U
Pentachlorophenol	3000	3300	0.001	0.05	ND	U
Phenanthrene	300000000	6600	NA	0.01	220	
Anthracene	17000000	6600	2	0.01	56	
Carbazole	24000	330	NA	0.01	29	J
Di-n-butylphthalate	6100000	330	0.9	0.01	46	J
Fluoranthene	2300000	660	0.3	0.01	510	
Pyrene	1700000	660	0.2	0.01	360	
Butylbenzylphthalate	1200000	660	0.1	0.01	47	J
3,3'-Dichlorobenzidine	1000	1300	0.06	0.02	ND	U
Benzo(a)anthracene	600	660	NA	0.01	ND	U
Chrysene	62000	660	NA	0.01	200	
bis(2-Ethylhexyl)phthalate	35000	660	0.03	0.01	180	J
DI-n-octylphthalate	2400000	660	0.1	0.01	ND	U
Benzo(b)fluoranthene	600	660	NA	0.01	330	
Benzo(k)fluoranthene	6000	660	NA	0.01	120	
Benzo(a)pyrene	200	660	NA	0.01	220	
Indeno(1,2,3-cd)pyrene	600	660	NA	0.01	190	
Dibenzo(a,h)anthracene	200	660	NA	0.01	41	J
Benzo(ghi)perylene	30000000	660	NA	0.01	190	
Pyridine	NA				ND	U
Acetophenone	2000				ND	U
Atrazine	210000				ND	U
Benzaldehyde	6100000				ND	U
Benzidine	700				3.8	J
1,1'-Biphenyl	3100000				14	J
Caprolactam	31000000				ND	U
1,2-Diphenylhydrazine	700				ND	U
N-Nitrosodimethylamine	700				ND	U
Total Cresol						

DO33 Upland - COMP ATB - Pesticides/Aroclors

Pesticides/Aroclors	Action Level	NJDEP DL	Action Level	NJDEP DL	Unamended Sediment (Units: ug/kg)	
ASI ID #	Soil		Leachate		20190299	
	ug/kg	ug/kg	mg/L	mg/L	COMP ATB	Q
alpha-BHC	100	1.9	0.00002	0.00005	ND	U
beta-BHC	400	3.3	0.0002	0.00005	ND	U
delta-BHC	NA	1.7	NA	0.00005	ND	i
gamma-BHC (Lindane)	400	2	0.0002	0.00005	ND	i
Heptachlor	100	2.1	0.0004	0.00005	ND	U
Aldrin	40	2	0.00004	0.00005	ND	U
Heptachlor epoxide	70	2.1	0.0002	0.00005	ND	U
Endosulfan I	NA	2.1	0.0004	0.00005	ND	U
Dieldrin	40	3.3	0.00003	0.0001	5.3	
4,4'-DDE	2000	4.2	0.0001	0.0001	ND	U
Endrin	23000	3.6	0.002	0.0001	ND	U
Endosulfan II	NA	3.3	0.0004	0.0001	ND	i
4,4'-DDD	3000	4.2	0.0001	0.0001	1.9	JP
Endosulfan sulfate	470000	3.6	0.0004	0.0001	ND	U
4,4'-DDT	2000	3.6	0.0001	0.0001	ND	i
Methoxychlor	390000	17	0.04	0.001	ND	U
Endrin ketone	NA	3.3	NA	0.0001	ND	U
Endrin aldehyde	NA	3.3	NA	0.0001	ND	U
alpha-Chlordane	200	1.7	NA	0.00005	ND	U
gamma-Chlordane	200	1.7	0.0005	0.00005	ND	i
Toxaphene	600	170	0.003	0.005	ND	U
Mirex					ND	U

DO33 Upland - COMP ATB - Herbicides

Herbicides	Action Level	NJDEP DL	Action Level	NJDEP DL	Unamended Sediment (Units: ug/kg)	
ASI ID #	Soil		Leachate		20190299	
					COMP ATB	Q
2,4,5-TP (Silvex)	NA	NA	NA	NA	ND	U
2,4-D	NA	NA	NA	NA	ND	U

DO33 Upland 2018- COMP ATB - Metals

Metals	Action Level	NJDEP DL	Action Level	NJDEP DL	Unamended Sediment (Units: mg/kg)	
ASI ID #	Soil		Leachate		20190299	
	mg/kg	mg/kg	mg/L	mg/L	COMP ATB	Q
Aluminum	78000	40	0.2	0.2	11600	
Antimony	31	12	0.02	0.06	0.244	
Arsenic	19	2	0.008	0.01	7.27	
Barium	16000	40	2	0.2	125	
Beryllium	16	1	0.02	0.005	0.758	
Cadmium	78	1	0.004	0.005	0.802	
Calcium	NA	1000	NA	5	14900	
Chromium	NA	2	0.1	0.01	30	
Hexavalent Chromium	120000				ND	U
Trivalent Chromium	20				30	
Cobalt	1,600	10	NA	0.05	13.3	
Copper	590	5	1	0.025	36.3	
Iron	NA	20	0.3	1	29900	
Lead	400	0.6	0.01	0.003	33.1	
Magnesium	NA	1000	NA	5	7980	
Manganese	5900	3	0.05	0.015	1350	
Mercury	23	0.1	0.002	0.0002	0.157	
Nickel	1,600	8	0.1	0.04	26.2	
Potassium	NA	1000	NA	5	1630	
Selenium	390	1	0.05	0.015	0.7	J
Silver	390	2	NA	0.01	0.262	
Sodium	NA	1000	50	5	165	
Thallium	5	2	0.01	0.01	0.179	
Vanadium	78	10	NA	0.05	23	
Zinc	23,000	4	5	0.02	140	
Cyanide, total	1,600	0.5	0.2	0.01	0.18	J