



**US Army Corps  
of Engineers®**

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

# **Public Notice**

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In replying refer to:  
Public Notice No. HR-AFO-06  
Published: April 7, 2006 Expires: May 8, 2006

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**HUDSON RIVER, NEW YORK  
(COEYMANS AND KINGSTON REACHES)  
FEDERAL NAVIGATION PROJECTS  
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 following federal navigation project: Hudson River, at Coeymans and Kingston, New York (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.

**ACTIVITY:** Maintenance dredging of the following federal navigation project: Hudson River (Coeymans and Kingston Reaches), New York, with subsequent placement of the dredged material in the federally-owned upland dredged material placement site on Houghtaling Island, New Baltimore, New York.

**WATERWAY:** Hudson River, New York City to Waterford, New York

**LOCATIONS:** Coeymans and Kingston, 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, 61<sup>st</sup> Congress, 2<sup>nd</sup> Session (Jun 1910) and modified by HD No. 350, 68<sup>th</sup> Congress, 1<sup>st</sup> Session (Mar 1925); HD No. 210, 70<sup>th</sup> Congress, 1<sup>st</sup> Session (Jul 1930); Senate Document No. 155, 72<sup>nd</sup> Congress, 2<sup>nd</sup> Session (Aug 1935); HD No. 572, 75<sup>th</sup> Congress, 3<sup>rd</sup> Session (Jun 1938); and Public Law No. 780, 83<sup>rd</sup> Congress, 2<sup>nd</sup> Session (Sep 1954).

The existing navigation project authorizes a channel 600 feet wide, New York City to Kingston, thence 400 feet wide to 2,200 feet 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 feet in soft material and 34 feet in rock; thence 27 feet deep and 400 feet wide to 900 feet south of the Mall Bridge (Dunn Memorial Bridge); thence 14 feet deep and generally 400 feet wide, to the Federal Lock at Troy; and thence 14 feet deep and 200 feet 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 feet deep. The length from New York City to Waterford is approximately 155 miles.

This activity is being evaluated to determine whether the proposed maintenance 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 maintenance 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 placement of this dredged material may request a public hearing. The request must be submitted in writing to the District Engineer and received 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 maintenance 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 is simultaneously requesting a water quality certificate (WQC) from the New York State Department of Environmental Conservation, in accordance with Section 401 of the Clean Water Act.

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.

The Corps will request the 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, Division of Coastal Resources, 41 State Street, Albany New York 12231, telephone (518) 474-3642.

The following will be prepared and submitted to the National Marine Fisheries Service (NMFS) for review and comment: an Essential Fish Habitat Assessment (in compliance with Section 305(b)(2) of the Magnuson-Stevens Fishery Conservation and Management Act (1996 amendments)); a request for NMFS evaluation of the proposed federally authorized activities (in compliance with Section 7 of the Endangered Species Act).

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. Robert D. Berrian. Comments or questions may be FAXED to (518) 273-3772 ATTN: Mr. Robert D. Berrian.

#### **DESCRIPTION OF PLANNED ACTION:**

The U.S. Army Corps of Engineers, New York District proposes to perform needed maintenance dredging of two discontinuous reaches of the Hudson River federal navigation project channel, one at Coeymans (River Mile 132) and one at Kingston (River Mile 92), New York. The Hudson River channel was last dredged in 2003 with the removal of 111,169 cubic yards (CY) of dredged material. Based on condition surveys performed during June 2005, the proposed maintenance dredging would involve the removal of approximately 55,000 CY of material from the Hudson River channel.

The purpose of the proposed maintenance dredging is to restore and maintain the authorized project's channel dimensions, thereby assuring safe and economical use of the Hudson River navigation channel by deep-draft commercial and governmental vessels.

The proposed maintenance dredging of the Hudson River federal navigation project would be accomplished by self-propelled hopper dredge or similar plant / equipment. The entire channel will generally not require maintenance dredging; only those areas where shoaling has reduced the safe depth or width of the channel require maintenance dredging.

No in-water work will occur during the following environmental windows to protect shortnose sturgeon (*Ascipenser brevirostrum*): March 1 to August 1 from River Mile 140 to River Mile 124 and March 1 to August 15 from River Mile 124 to River Mile 92.

**ENVIRONMENTAL IMPACT STATEMENT:**

An Environmental Impact Statement (EIS) was prepared by the U.S. Army Engineer District, New York in January 1983. Environmental Assessments (EAs) 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 and 2003. It was determined that the 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) Guidelines evaluation as required by the Clean Water Act (40 CFR 230), will be finalized prior to the implementation of the proposed maintenance work. A copy of the current draft EA is available upon request by contacting the Albany Field Office.

**PLACEMENT SITE:**

The dredged material from this maintenance 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 127. The dredged material would be transported by self-propelled hopper dredge and placed at the designated upland site, as shown on the attached map (Enclosure 2).

**MATERIAL DESCRIPTION:**

The grain size characteristics of the proposed dredged material are:

Sample ID-Composite 18: 0.0% Gravel, 71.1% Sand, 21.2% Silt, and 7.7% Clay

Sample ID-Composite 60: 0.2% Gravel, 21.4% Sand, 52.1% Silt, and 26.2% Clay

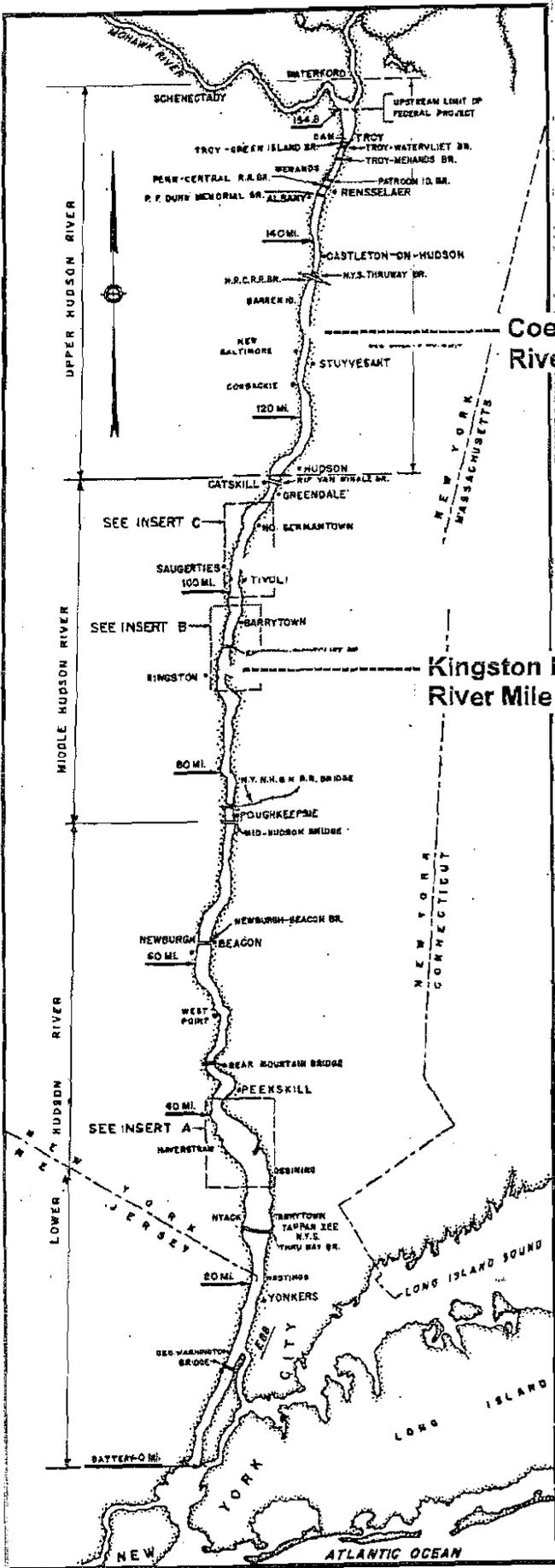
See Enclosures 3 and 4 for sample locations. The full data report entitled "USACE/NYD – Upper Hudson Chemistry Data Report," is available for review at the Albany Field Office.

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.

If you have any questions concerning this notice, you may contact the Albany Field Office at (518) 273-0870 and ask for Mr. Robert D. Berrian.

  
Thomas M. Creamer  
Chief, Operations Division

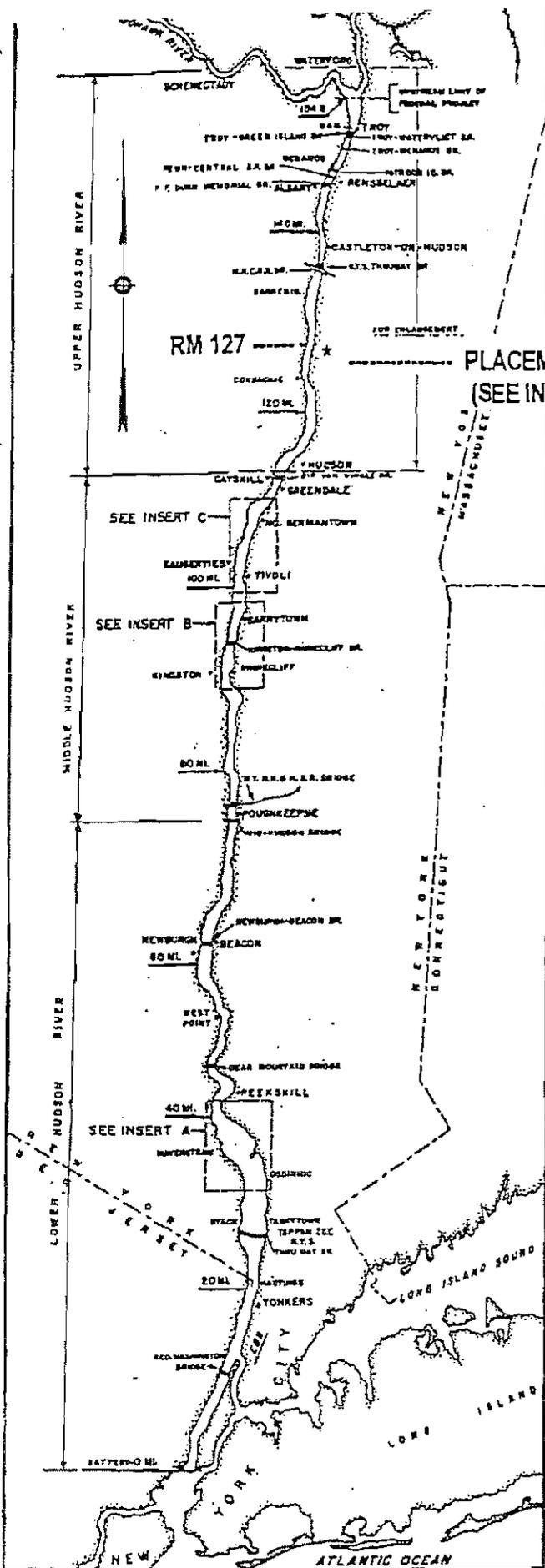
Enclosures  
as stated



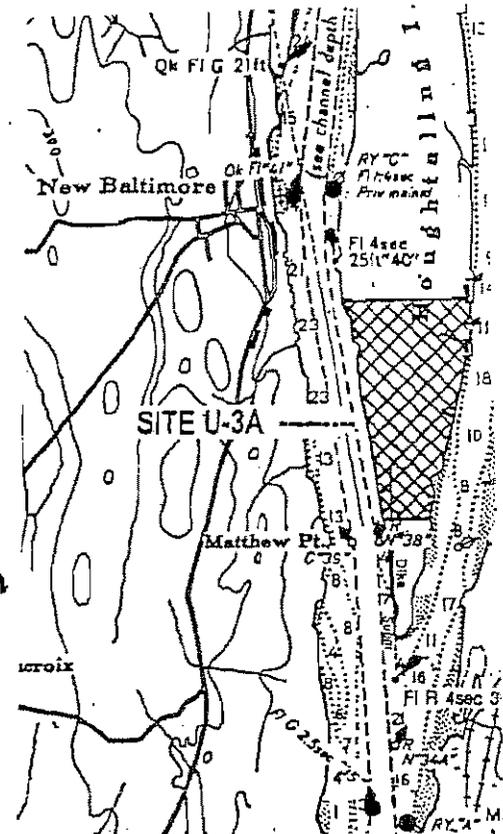
**Coeymans Reach  
River Mile 132**

**Kingston Reach  
River Mile 92**

**LOCATION MAP OF  
PROPOSED DREDGING  
-NTS-**



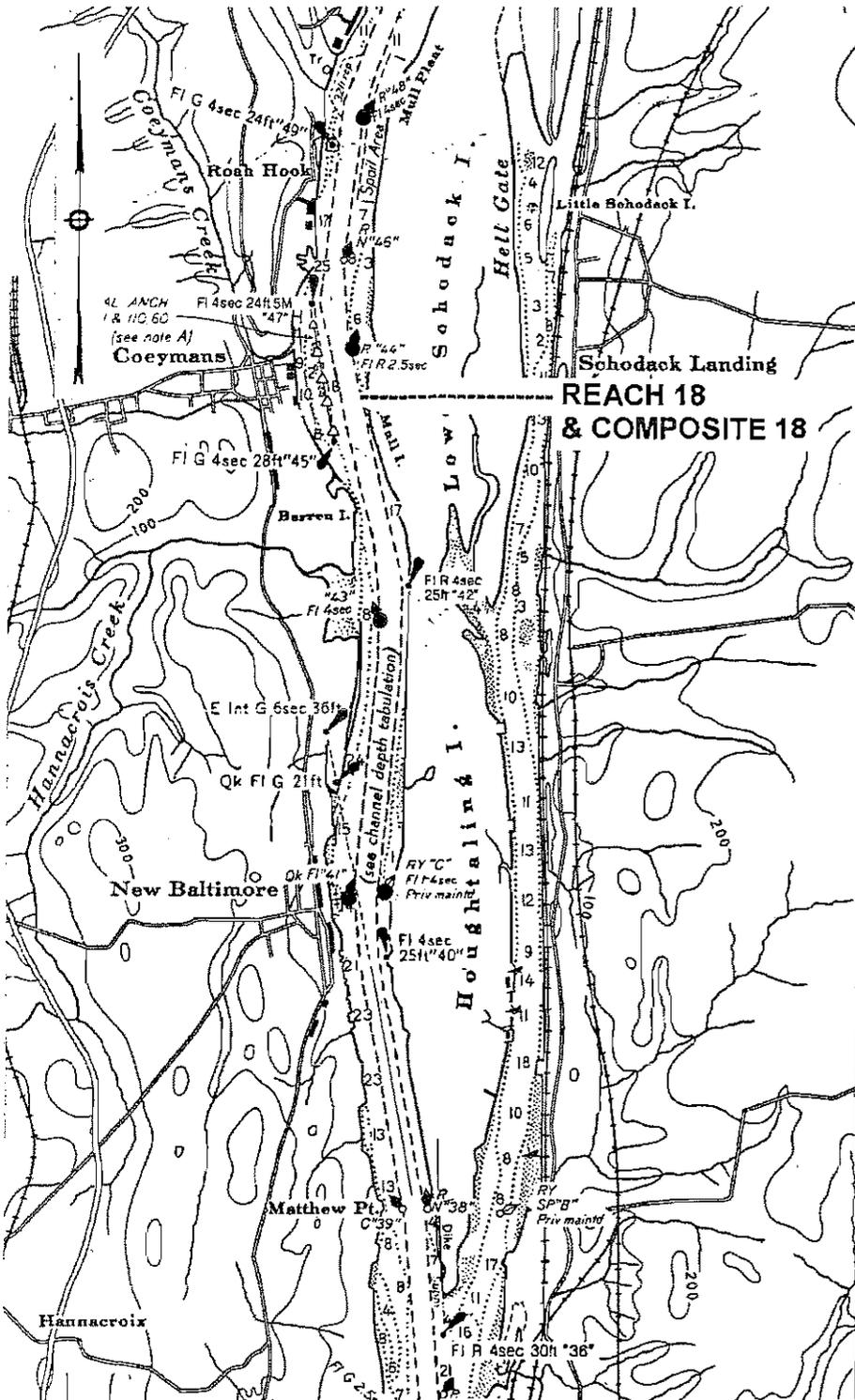
PLACEMENT SITE U-3A  
(SEE INSERT FOR DETAIL)



INSERT  
- NTS -

SOURCE: NOAA NAUTICAL CHART  
NO. 12348

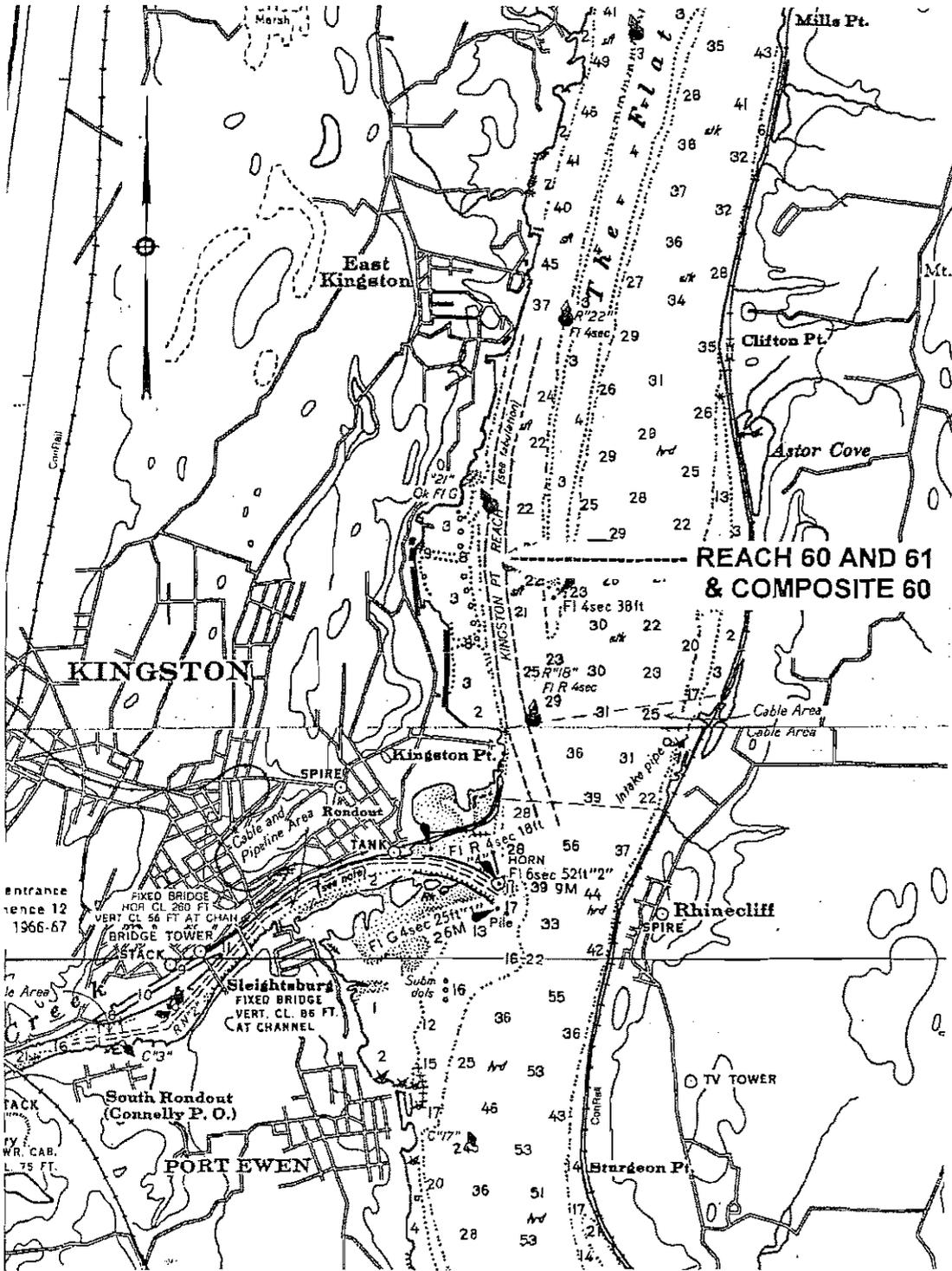
LOCATION MAP OF  
PROPOSED UPLAND DREDGE  
MATERIAL PLACEMENT SITE  
- NTS -



**COEYMANS REACH  
DREDGE AREA  
-NTS-**

**SOURCE: NOAA NAUTICAL CHART NO. 12348**

**COMPOSITE INCLUDES MULTIPLE SEDIMENT  
CORES TAKEN IN DIFFERENT LOCATIONS  
IN THE PROPOSED DREDGE AREA. ALL CORES  
WERE EXTENDED TO A MINIMUM DEPTH OF  
34 FEET MEAN LOW WATER**



**KINGSTON REACH  
DREDGE AREA  
-NTS-**

**SOURCE: NOAA NAUTICAL CHART NO. 12347 AND 12348**

**COMPOSITE INCLUDES MULTIPLE SEDIMENT  
CORES TAKEN IN DIFFERENT LOCATIONS  
IN THE PROPOSED DREDGE AREA. ALL CORES  
WERE EXTENDED TO A MINIMUM DEPTH OF  
34 FEET MEAN LOW WATER**

Upper Hudson River – Physical Parameters and Sediment Chemistry	Page No.
Physical Parameters	
Particle Size Distribution, Percent Moisture, Specific Gravity and TOC .....	5-1
Sediment Chemistry	
PCBs, Pesticides and Metals .....	5-2
PAHs and Other Analyses .....	5-3

Upper Hudson River

Particle Size Distribution, Percent Moisture and TOC

Sample ID	% Gravel	% Clay	% Silt	% Sand	% Moisture	% Total Solids ++	Specific Gravity	TOC ppm C	% TOC of Dry Weight
18-01	0.00	7.52	21.00	71.50	32.00	68.00		12,546	1.250
18-02	0.00	2.97	8.85	88.20	22.90	77.10		6,798	0.680
18-03	0.00	3.60	8.57	87.80	23.40	76.60		3,592	0.359
Comp 18	0.00	7.72	21.20	71.10	26.20	73.80	2.849	9,672	0.967
SH-01	13.60	4.65	12.80	69.00	30.20	69.80		5,984	0.598
SH-02	1.15	10.50	21.50	66.90	28.00	72.00		9,210	0.921
SH-03	0.00	26.00	58.90	15.10	48.90	51.10		22,880	2.290
SH-04	0.00	21.80	50.40	27.80	45.90	54.10		21,196	2.120
SH-05	0.00	32.20	56.40	11.40	50.30	49.70		30,346	3.030
Comp SH	0.29	20.70	40.90	38.10	43.30	56.70	1.258	20,683	2.070
60-01	0.00	29.80	57.50	12.60	43.90	56.10		27,250	2.730
60-02	0.00	26.30	53.50	20.20	44.70	55.30		21,890	2.190
60-03	0.00	26.90	52.80	20.30	49.20	50.80		27,470	2.750
Comp 60	0.17	26.20	52.10	21.40	44.30	55.70	1.571	22,525	2.250

++ = (100 - %Moisture) = Total Solids

Upper Hudson River Sediment Chemistry				
	Screening Parameters ug/g dry wt. (ppm)	Comp 18	Comp SH	Comp 60
		18-01, 18-02, 18-03	SH-01, SH-02, SH-03, SH-04, SH-05	60-01, 60-02, 60-03
PCBs				
Total PCBs (congeners)	0.1	3.76	1.56	8.84
Total PCBs (Aroclors)	0.1	11.28	4.67	26.50

	Screening Parameters ug/g dry wt. (ppm)	Comp 18	Comp SH	Comp 60
		18-01, 18-02, 18-03	SH-01, SH-02, SH-03, SH-04, SH-05	60-01, 60-02, 60-03
Pesticides				
Total DDT, DDE, DDD	0.003	0.01513	0.02980	0.04920
DDT	NA	0.00403	0.00468	0.01056
Dieldrin	0.11	0.00742	0.00391	0.01303
Mirex	0.0014	0.00031 ND	0.00042 ND	0.00041 ND

	Screening Parameters ug/g dry wt. (ppm)	Comp 18	Comp SH	Comp 60
		18-01, 18-02, 18-03	SH-01, SH-02, SH-03, SH-04, SH-05	60-01, 60-02, 60-03
Metals				
Ag	14	0.322	0.658	1.24
As	NA	1.93	5.64	7.72
Cd	1.2	1.59	1.38	5.31
Cr	NA	75.8 B	92.4 B	214 B
Cu	33	31.8	39.2	72
Hg	0.17	0.189	0.27	0.777
Ni	NA	37.2	37.3	48.5
Pb	33	38.6	57.5	110
Zn	NA	145	167	284
V	NA	47.4	65.3	80.6

Qualifiers

B = Method Blank contamination; associated method blank contains the target analyte at a reportable level.

ND = Not Detected

Upper Hudson River Sediment Chemistry				
PAHs	Screening Parameters ug/g dry wt. (ppm)	Comp 18	Comp SH	Comp 60
		18-01, 18-02, 18-03	SH-01, SH-02, SH-03, SH-04, SH-05	60-01, 60-02, 60-03
Total PAH	4	6.53	2.06	2.90
Anthracene	0.1	0.30	0.05	0.07
Benzo(a)anthracene	0.04	0.68	0.16	0.23
Chrysene	0.4	0.63	0.20	0.31
Total BTX	0.96	0.0464 ND	0.0521 ND	0.0543 ND
Benzene	0.59	0.0078 ND	0.0087 ND	0.0091 ND
2-Butanone (MEK)	1	0.031 ND	0.035 ND	0.036 ND
Trichloroethylene	0.1	0.0078 ND	0.0087 ND	0.0091 ND
Ammonia	40	217	262	494

Other Analyses	Units	Comp 18	Comp SH	Comp 60
		18-01, 18-02, 18-03	SH-01, SH-02, SH-03, SH-04, SH-05	60-01, 60-02, 60-03
Total Sulfide	mg/kg	15.5 ND	17.4 ND	18.2 ND
Total Organic Carbon	%	0.967	2.07	2.25
Volatile Solids	%	3.8	4.5	5.43
Oil & Grease	mg/kg	332	180 J	276 J
Total Cyanide	mg/kg	1.5 B	0.47 B,J	0.85 B,J
pH	NA	6.8	6.7	7.3
Total Phenols	mg/kg	1.6 ND	1.7 ND	1.8 ND

Qualifiers

B = Method Blank contamination; associated method blank contains the target analyte at a reportable level.

J = Estimated Result; result is less than Reporting Limit; Reporting Limit is based on the concentration of the lowest calibration standard.

ND = No! Detected

# Figure I-3 Locations of Ice House Sites A, B, and C.

Ravena Quadrangle  
New York  
7.5 Minute Series (Topographic)



1000 0 1000 Feet

**Table of Sampling Core Coordinates**

<b>DGPS Coordinates</b>		
<b>Upper Hudson River</b>	<b>Latitude</b>	<b>Longitude</b>
18-01	1327568 N	684857 E
18-02	1328057 N	684741 E
18-03	1329013 N	684682 E
60-01	1130379 N	638659 E
60-02	1131653 N	638496 E
60-03	1132173 N	638475 E
SH-01	1179835 N	644676 E
SH-02	1180101 N	646038 E
SH-03	1180220 N	646408 E
SH-04	1180222 N	646882 E
SH-05	1180190 N	646748 E

ENCL. 7