

*Section 404(B)(1) Evaluation  
Maintenance Dredging of the  
9-Foot Channel Navigation Project*

*Statement of Findings*

CEMVR-OD-P-2014-0799

August 28, 2014

**STATEMENT OF FINDINGS**

**I. PROJECT DESCRIPTION**

**A.** This statement concerns a proposal by the U.S. Army Corps of Engineers (Corps), Rock Island District (District) to continue utilization of historic dredged material placement sites, in order to maintain the 9-foot navigation channel on the Illinois Waterway between River Miles 80.2 and 303.4.

**B.** A Clean Water Act, Section 404(b)(1) Evaluation addressing the impacts of the proposed project has been prepared by the District, and was circulated for review as an attachment to the Public Notice for this project.

**II. PUBLIC INTEREST REVIEW**

Joint Public Notice No. CEMVR-OD-P-2014-0799 for the proposed project was issued on June 13, 2014, and expired on July 12, 2014. The Public Notice was sent to Post Offices; appropriate city, State, and Federal agencies; and other interested parties. A mailing list for the Joint Public Notice is included in the permanent file at the Rock Island District. A copy of the Joint Public Notice is attached to this package.

**III. PUBLIC REVIEW COMMENTS**

During the review period for the SEA and the Public Notice, comments were received from US Fish and Wildlife Service (USFWS), Rock Island Field Office, Jon Duyvejonck, dated July 25, 2014. A copy of this letter is attached.

**Comment/Concern:** The USFWS recommends that at some point coordination be re-initiated to address project wide impacts to the scaleshell mussel. This may require a new mussel survey and an update to the Biological Assessment. Until that point, the USFWS recommends that any new dredging sites of shoreline placement in the Marseilles Pool be coordinated individually.

**Response:** The District agrees that any new dredging sites of shoreline placement in the Marseilles Pool be coordinated individually. The District also agrees that the scaleshell mussel should be included in any updates to the Biological Assessment and Biological Opinion.

**IV. PROJECT IMPLEMENTATION SCHEDULE**

Utilization of historic placement sites for receiving channel maintenance dredged material will commence as needed and after all required certifications and permits have been received.

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**V. SUMMARY OF ENVIRONMENTAL IMPACT REVIEW**

A Clean Water Act, Section 404(b)(1) Evaluation has been prepared for this project and circulated for review. This review has not identified any potentially significant adverse impacts either direct, indirect, or cumulative, resulting from implementation of the project as proposed. Thus, a Findings of Compliance was prepared and included for the Clean Water Act.

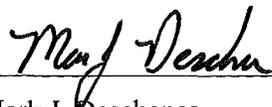
**VI.** Alternative placement sites considered in this evaluation are: Alternative placement sites considered in this evaluation are: (a) shoreline placement; (b) floodplain placement; (c) beneficial use sites; and (d) upland/contained placement.

**VII. SUMMARY OF FINDINGS**

I find that the implementation of the project, as proposed, and under conditions set forth, and as prescribed by regulations published in 33 CFR Parts 320 to 340, and 40 CFR Part 230, is not contrary to the public interest.

9-7-14

Date



Mark J. Deschenes  
Colonel, US Army  
Commander & District Engineer

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This purpose of this public notice is to solicit comments on the proposed project.

POC: Kirsten Brown, Telephone: 309/794-5104



US Army Corps  
of Engineers  
Rock Island District

## PUBLIC NOTICE

Applicant: U. S. Army Corps of Engineers

Date: June 13, 2014

Expires: July 12, 2014

CEMVR-OD-P-2014-799

Section: 404

**Joint Public Notice  
U. S. Army Corps of Engineers  
Illinois Environmental Protection Agency  
Illinois Department of Natural Resources/Office of Water Resources**

1. **Applicant.** U. S. Army Corps of Engineers, Clock Tower Building, Rock Island, Illinois 61204-2004.

2. **Project Location.** Illinois Waterway, approximate river miles 80.2 to 303.4.

3. **Project Description.** The U.S. Army Corps of Engineers (Corps) Rock Island District (District) has been assigned responsibility to maintain a 9-foot navigation channel on the Illinois Waterway (IWW) from approximately the La Grange Lock and Dam at river mile (RM) 80.2 to the junction of the Calumet-Saganashkee Channel (Cal-Sag) and the Chicago Sanitary and Ship Canal (CS&SC) at RM 303.4 as provided by the River and Harbor Act of 1927. This Act provides for the maintenance of a channel not less than 9 feet in depth. The District also is responsible for operating and maintaining the Cal-Sag (RM 303.4-327.0) and CS&SC (RM 303.4-325.6). These portions of the waterway are not a part of this review.

- The basic purpose of this project is to maintain appropriate project width and depth of the 9-foot commercial navigation channel on the IWW to allow for the transport of commodities, etc., and thus avoid disruption to transportation of those commodities and to maintain the channel to avoid channel closures and subsequent groundings.
- The overall project purpose of the project is to provide adequate sites for the placement of material resulting from the maintenance dredging operations which maintain the commercial navigation channel on the IWW.

a. In order to maintain the 9-foot navigation channel, maintenance dredging will be performed at locations where needed in the reach of the IWW within the District. The District's portion of the IWW extends approximately 223 river miles from the junction of the Cal-Sag to approximately 9 river miles downstream from Beardstown, Illinois. Corps operation and maintenance of the present navigation system was initiated when Congress passed the River and Harbor Act of 1927. Congress has appropriated funds for District operation and maintenance work of this segment of the waterway since 1927.

b. Annual maintenance dredging of the IWW 9-Foot Channel Navigation Project (RM 80.2 to 303.4) is normally performed at 10 to 15 sites. Over the last 10 years, the annual volume of dredged material ranged from approximately 71,000 cubic yards (CY) to 583,000 CY. Due to the large sediment load and continually changing flows, specific dredging locations and quantities to be dredged vary from year to year and cannot be determined sufficiently in advance to perform individual Clean Water Act (CWA) 404(b)(1) Evaluations.

c. Dredged material is removed from the navigation channel by either hydraulic or mechanical methods. Hydraulic dredging is performed by a cutterhead dredge, which

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discharges material to the placement site via a floating pipeline. Mechanical dredging is performed by a clamshell dredge or excavator, which loads material onto barges for transport to approved placement sites. In general, material from RM 80.2 to 260 is removed by a hydraulic cutterhead dredge, and material from RM 260 to 303.4 is removed by a mechanical dredge. A recent review of sediment grain size analyses seems to indicate that most sediments in the river navigation channel are sandy with intermittent stretches of mostly fine-grained material. Dredging depth is normally limited to 11 feet below flat pool elevation.

d. Dredged material has typically been placed along the shoreline adjacent to dredging sites or loaded onto barges for later placement in approved floodplain or upland/contained placement sites. Discharge/placement sites vary significantly in size. Sites used for a single placement may cover only a single acre. Some sites, located in chronic dredging locations, have been used repeatedly for many years and occupy several acres. Potential dredged material placement sites would include:

- **Shoreline Placement:** Material is deposited along the shoreline.
- **Thalweg Placement:** Material is deposited into deep portions of the river channel, where it incorporates with the bedload. Thalweg placement is not a viable option along the IWW due to relatively slow hydrologic conditions.
- **Floodplain Placement:** Dredged material is deposited on the floodplain in bottomland forests, industrial sites, and agricultural fields. Deposition of dredged material in bottomland forests is typically limited to a depth of 4 feet based upon OSIT recommendations. Experience has shown that sand deposition on trees greater than 4 feet deep tends to increase tree mortality. There is little or no erosion from these sites because surrounding trees prevent high water velocities, even during spring flooding. Agricultural or industrial sites are often protected by levees and are therefore rarely exposed to the erosive annual flood events.
- **Beneficial Use Sites:** Dredge material can be used in a manner that would be beneficial to society and the natural environment. Material is placed in a location for direct benefit or into stockpile locations for later use. Dredge material can be used for beach nourishment, erosion control, habitat creation, or by beneficial users (e.g., city, county, or State road crews, or independent contractors). The potential for beneficial use will vary greatly, depending upon the particular dredging location. Placement sites with beneficial use are preferred since dredged material can either provide benefits to the environment or is used by those people and entities desiring it; extending the life of placement sites.
- **Upland or Contained Placement:** Material is placed within a protected natural or manmade site designed to prevent the runoff or re-deposition of dredged material. Upland or contained placement sites are considered the most durable since dredged material is not exposed to the erosive forces of high water events.
- **Temporary Placement:** Material is deposited in or alongside the main channel at temporary storage sites for later re-handling of material to more distant placement sites. This method is rarely used along the IWW due to the small configuration of this river and channel.

e. Hydraulic cutterhead dredging usually occurs during the summer and fall from approximately June through November. Mechanical dredging could occur any time throughout the year. The duration of placement at any one particular site ranges from 1 or 2 days to a week or more.

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f. Typically, the material between RM 80.2 to 230 is removed from the channel by a hydraulic contract dredge having a pump discharge diameter of 14-16 inches. Such a dredge can pump as much as 300 CY/hr as far as 5,000 feet and up to 2,000 feet inland. The dredge *Dubuque*, from the St. Paul District, or a contract dredge, *America*, from St. Louis District, have also been used in the past during emergencies or for Dredged Material Management Plan actions. They are equipped with a 12- to 24-inch-diameter pump discharge, respectively. The dredged material between RM 230.0 and 327.0 is typically mechanically dredged with the Corps' equipment and crews. Mechanical dredging can and does take place anywhere within the District. In most instances, material placement is on the bankline or in relatively close inland areas.

g. Prior to the placement of any dredged material, representatives of the District and the On-Site Inspection Team (OSIT) meet to determine the preferred placement site for the material. The U.S. Department of the Interior, Fish and Wildlife Service, along with representatives of Illinois natural resources and regulatory agencies, participate in the OSIT. At the end of each dredging season, the OSIT inspects each placement site and makes recommendations to the District for future dredging events. In addition, the OSIT chairman prepares a Post-Disposal Evaluation Report and submits this information to each involved State and Federal agency for review. The OSIT was formed during the Great River Environmental Action Team (GREAT) studies and consists of State and Federal natural resource and regulatory agency representatives, as well as the Corps. The GREAT was authorized by Congress in the Water Resources Development Act (WRDA) of 1976. The purpose of the GREAT was to develop a total river resource management plan for the entire Upper Mississippi River System and, in particular, to resolve inter-agency disputes relative to the Corps channel maintenance activities.

h. Coordination. The following is a list of principal Federal and State agencies with whom the dredging operations are being coordinated:

- U.S. Coast Guard Eighth District, St. Louis, Missouri
- U.S. Environmental Protection Agency, Region V, Chicago, Illinois
- U.S. Department of the Interior, Fish and Wildlife Service, Rock Island, Illinois
- Illinois Environmental Protection Agency, Springfield, Illinois
- Illinois Department of Natural Resources, Office of Realty and Planning, Springfield, Illinois
- Illinois Department of Agriculture, Springfield, Illinois
- Illinois Natural History Survey, Havana, Illinois

**4. Agency Review and Where to Reply.**

a. Department of the Army, Corps of Engineers. The project plans are being processed under the provisions of Section 404 of the CWA (33 U.S.C. 1344).

b. State of Illinois.

(1) The applicant has previously applied to the Illinois Environmental Protection Agency (IEPA) for water quality certification, or waiver thereof, in accordance with Section 401 of the CWA. The District has received Section 401 certification for the proposed activity. The current certification expires May 31, 2016 (Log #C-0208-09 [CoE appl. #2009-0336]). The District would apply for a new certification or waiver prior to May 31, 2016. Certification or waiver indicates that IEPA believes the activity will not violate applicable water quality standards. The review by the IEPA is conducted in accordance with the Illinois water quality standards under 35 Illinois Administrative Code Subtitle C. The water quality standards provide for the IEPA to review individual projects by providing an antidegradation assessment, which includes an evaluation of alternatives to any proposed increase in pollutant loading that may result from this

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activity. The "Fact Sheet" containing the antidegradation assessment for this proposed project may be found on the IEPA's web site, at [www.epa.state.il.us/public-notices/](http://www.epa.state.il.us/public-notices/). In the event that the IEPA is unable to publish the "Fact Sheet" corresponding to the timeframe of this Joint Public Notice, a separate public notice and "Fact Sheet" will be published by the IEPA at the web site identified above. You may also obtain a copy of the "Fact Sheet" by contacting the IEPA at the address or telephone number shown below. Written comments specifically concerning possible impacts to water quality should be addressed to: Illinois Environmental Protection Agency, Bureau of Water, Watershed Management Section, 1021 N. Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276. A copy of the written comments should be provided to the Corps of Engineers. If you have any questions, please contact IEPA at 217/782-3362. Please send any electronic correspondence to [EPA.401.bow@illinois.gov](mailto:EPA.401.bow@illinois.gov)

(2) The Illinois Department of Natural Resources, Office of Water Resources (IDNR/OWR) is a participant in the joint application process and requires that IDNR/OWR permits be obtained for construction within floodways; construction and other activities within public bodies of water; and construction, operation and maintenance of dams pursuant to the State of Illinois Rivers, Lakes, and Streams Act (615 ILCS 5). Inquiries concerning IDNR/OWR jurisdiction and/or review of the activity should be directed to the Office of Water Resources at [dnr.dwrw@illinois.gov](mailto:dnr.dwrw@illinois.gov) or 217/782-3863. Information on the IDNR/OWR regulatory and other programs can be found at <http://dnr.state.il.us/owr>.

**5. Historical/Archaeological.** The District; the Illinois, Iowa, Missouri, and Wisconsin State Historic Preservation Officers (SHPOs); and the Advisory Council on Historic Preservation (Council) have signed Programmatic Agreements (PAs) regarding implementation of dredged material placement for the IWW RM 80.0 to 327.0. These PAs are appropriate for addressing historic property concerns for dredged material placement promulgated by the National Historic Preservation Act (NHPA), as amended and its implementing regulation 36 CFR Part 800: "Protection of Historic Properties." These PAs are entitled:

- *Programmatic Agreement Among the Rock Island District of the U.S. Army Corps of Engineers, the Advisory Council on Historic Preservation, and the Illinois State Historic Preservation Officer, the Iowa State Historic Preservation Officer, the Missouri State Historic Preservation Officer and the Wisconsin State Historic Preservation Regarding Implementation of the Short-Term Dredged Material Placement.*
- *Programmatic Agreement Among the Rock Island District of the U.S. Army Corps of Engineers, the Advisory Council on Historic Preservation, and the Illinois State Historic Preservation Officer, the Iowa State Historic Preservation Officer, the Missouri State Historic Preservation Officer and the Wisconsin State Historic Preservation Regarding Implementation of the Long-Term Dredged Material Placement*

If human remains, funerary objects, sacred objects, or objects of cultural patrimony are encountered or collected, the District will comply with all provisions outlined in the appropriate State acts, statutes, guidance, provisions, etc., and any decisions regarding the treatment of human remains will be made recognizing the rights of lineal descendants, Tribes, and other Native American Indians and under consultation with the SHPO/THPO(s) and the other consulting parties, designated Tribal Coordinator, and/or other appropriate legal authority for future and expedient disposition or curation. When finds of human remains, funerary objects, sacred objects, or objects of cultural patrimony are encountered or collected from Federal lands or federally recognized tribal lands, the District will coordinate with the appropriate federally recognized Native American Tribes, pursuant to the Native American Graves Protection and Repatriation

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Act of 1990 (25 U.S.C. § 3001 *et seq.*) and its implementing regulations (43 CFR Part 10).

**6. Endangered Species.** There are 11 listed threatened and endangered species, one proposed endangered species, and 2 candidate species listed for counties occurring along the IWW corridor. The Indiana bat (*Myotis sodalis*), decurrent false aster (*Boltonia decurrens*), eastern prairie fringed orchid (*Platanthera leucophaea*), prairie bush clover (*Lespedeza leptostachya*), piping plover (*Charadrius melodus*), Hine's emerald dragonfly (*Somatochlora hineana*), leafy prairie clover (*Dalea foliosa*), Mead's milkweed (*Asclepias meadii*), sheepsnose mussel (*Plethobasus cyphus*), snuffbox (*Epioblasma triquetra*), and lakeside daisy (*Hymenoxis herbacea*) are listed as threatened or endangered. The northern long-eared bat (*Myotis septentrionalis*) is currently proposed as endangered. The eastern massasauga (*Sistrurus catenatus*) and rattlesnake-master borer moth (*Papaipema eryngii*) are currently listed as candidate species. Based on the county location along the river corridor where the species occurs, the habitat needs of the species, the dredging season, and typical dredge and placement practices, the only species perceived to be potentially affected by dredging operations is the decurrent false aster. Potential impacts to other species such as the bats and mussels are likely to be more easily identified and avoided. Each proposed dredging operation will be coordinated with the U.S. Fish and Wildlife Service concerning endangered species impacts on a case-by-case basis. Therefore, no adverse effect on any federally listed threatened or endangered species that might jeopardize the continued existence of the species is anticipated.

**7. Dredge/Fill Material Guidelines.** The evaluation of the impact of the proposed activity on the public interest will also include application of the guidelines promulgated by the Administrator of the United States Environmental Protection Agency under authority of Section 404(b) of the Clean Water Act (40 CFR Part 230).

**8. Environmental Documentation.** This documentation is available for review at: [http://www2.mvr.usace.army.mil/projects/Supplements/IWW%20404\(b\)\(1\)small.pdf](http://www2.mvr.usace.army.mil/projects/Supplements/IWW%20404(b)(1)small.pdf).

This documentation is also available for review at the Clock Tower Building (see address in paragraph 1.) during working hours (7:30 am to 4:00 pm).

- Section 404 (b)(1) Evaluation. The District staff has prepared a document entitled "**Section 404(b)(1) Evaluation, Maintenance Dredging of the 9-Foot Channel Navigation Project, Illinois Waterway, River miles 80.2 - 303.4, U.S. Army Corps of Engineers, Rock Island District, May 2014**" for the project.
- Also included with the Section 404(b)(1) Evaluation is:
  1. a table of Federally-listed Endangered, Threatened, and Candidate Species for Counties Occurring Along the Illinois Waterway Corridor;
  2. maps of dredging locations and placement sites between River miles 80.2 – 303.4;
  3. and The 404 Studies Final Report prepared in 2009.
- The 404 Studies investigated the direct effects of dredged material placement on measurable metrics/resources that will help assess the effects of dredge placement on these resources. Metrics / resources selected were: terrestrial vegetation, aquatic macroinvertebrates, freshwater mussels, fish, and turtles. Sediment transport analysis and construction of a physical model of a highly dredged reach in Pool 18 Upper Mississippi River (UMR) were also done to investigate migration of dredge material off-site. Field studies were conducted throughout the District, with vegetation, macroinvertebrates, and fish being studied in both the IWW and UMR.

**9. Public Interest Review.** The decision whether to proceed with the project will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably

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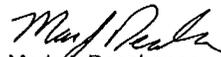
foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

**10. Who Should Reply.** 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. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. These statements should be submitted on or before the expiration date specified at the top of page 1. These statements should bear upon the adequacy of plans and suitability of locations and should, if appropriate, suggest any changes considered desirable.

**11. Public Hearing Requests.** Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided.

**12. Reply to the Corps of Engineers.** Comments concerning the project should be addressed to the District Engineer, U. S. Army Corps of Engineers, Rock Island District, ATTN: OD-P (Kirsten Brown), Clock Tower Building - Post Office Box 2004, Rock Island, Illinois 61204-2004. **Mrs. Kirsten Brown (309/794-5104)** may be contacted for additional information concerning regulatory issues. **Mr. Matt Afflerbaugh (309/794-5384)** may be contacted for additional information concerning environmental issues.

Attach  
Plan



Mark J. Deschenes  
Colonel, U.S. Army  
Commander & District Engineer

**REQUEST TO POSTMASTERS:** Please post this notice conspicuously and continuously until the expiration date specified at the top of page 1.

**NOTICE TO EDITORS:** This notice is provided as background information for your use in formatting news stories. This notice is not a contract for classified display advertising.

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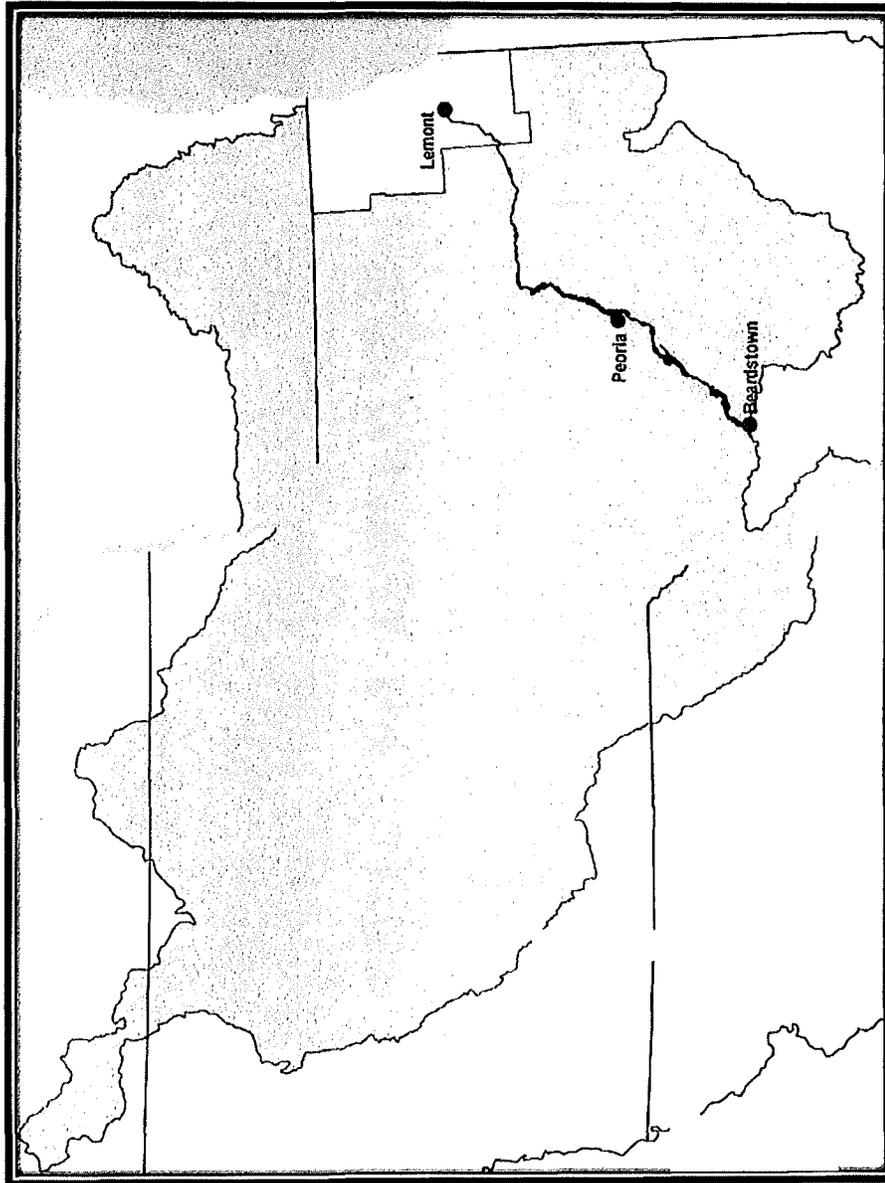
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**Summary of Dredging Locations - Rock Island District IWW – 1980-2013**

Pool	Dredge Cut	River Mile	Frequency of Dredging	Avg Volume (CY) Per Job (1000s)	Avg Volume (CY) Per Year (1000s)	Last Year Dredged	Historic Bank Placement
LaGrange	Above LaGrange Lock	80.0 - 81.0	9%	4.0	0.4	1992	Left
LaGrange	Brigg's Landing	83.7 - 84.4	6%	20.7	1.3	2009	Left
LaGrange	Bar Island	84.5 - 86.1	3%	20.7	0.6	2007	Right
LaGrange	Grape Island	86.2 - 87.5	18%	34.4	6.3	2010	Right, Upland
LaGrange	Beardstown	87.5 - 89.5	55%	24.8	13.5	2011	Right, Upland
LaGrange	Anderson Lake	109.0 - 109.7	15%	20.8	3.2	2012	Right
LaGrange	Grand Island	109.7 - 110.6	3%	19.6	0.6	1990	Right
LaGrange	Otter Creek	110.6 - 112.4	3%	75.2	2.3	2012	Right
LaGrange	Grand Island Head	112.4 - 114.0	15%	18.1	2.7	2009	Right
LaGrange	Matanzas Bay	114.0 - 116.0	12%	15.3	1.9	2009	Left
LaGrange	Devil's Elbow	116.2 - 117.2	21%	39.5	8.4	2011	Left
LaGrange	Quiver Island	120.0 - 123.0	15%	35.2	5.3	2001	Right
LaGrange	Senate Island	132.0 - 135.0	33%	48.5	16.2	2010	Left, Upland
LaGrange	Duck Island	135.0 - 136.0	27%	30.2	8.2	2010	Left, Upland
LaGrange	Copperas Creek	136.0 - 137.5	39%	22.4	8.8	2012	Left, Right, Upland
LaGrange	Lancaster Landing	142.0 - 145.0	24%	35.5	8.6	2011	Left, Right
LaGrange	Kingston Mines	145.0 - 146.7	64%	34.9	22.2	2011	Left, Right, Upland
LaGrange	Mackinaw River	146.7 - 148.0	106%	52.8	55.9	2013	Left, Right, Upland
LaGrange	LaMarsh Creek/Pekin Bend	148.0 - 153.1	41%	20.3	8.4	2012	Left, Upland
LaGrange	Lick Creek	153.1 - 156.6	27%	41.9	11.4	2013	Left
LaGrange	Below Peoria Lock	156.6 - 167.7	6%	55.6	3.4	1991	Left and Right
Peoria	Peoria Boat Yard	164.0 - 164.5	6%	7.4	0.4	2013	Upland
Peoria	Blue Creek/Rome Light	173.0 - 178.0	3%	12.7	0.4	2003	Left
Peoria	Senachwine Creek	180.8 - 181.8	9%	0.6	0.1	2008	Right
Peoria	Henry	193.3 - 196.3	6%	2.0	0.1	2003	Left
Peoria	Illinois Power	212.0 - 213.7	3%	14.0	0.4	2009	Left and Right
Peoria	Clark Island	214.5 - 215.7	41%	17.0	7.0	2013	Right
Peoria	Spring Valley	215.9 - 218.4	24%	15.6	3.8	2009	Right
Peoria	Spring Creek/Huse Slough	218.5 - 221.1	15%	37.2	5.6	2009	Right
Peoria	LaSalle Bend	225.4 - 225.7	3%	8.6	0.3	1991	Left and Right
Peoria	Vermillion River	226.0 - 226.9	6%	7.8	0.5	2009	Right
Peoria	Deer Park Light	227.7 - 228.5	9%	20.6	1.9	2000	Right
Peoria	Below Starved Rock Lock	230.2 - 230.8	91%	6.6	6.0	2012	Upland
Starved Rock	Above Starved Rock Lock	231.2 - 232.5	36%	4.8	1.8	2012	Upland
Starved Rock	Bulls Island	240.5 - 241.5	79%	13.4	10.6	2013	Right, Upland
Starved Rock	Millken Creek	242.8 - 242.2	6%	6.7	0.4	2010	Left, Right, Upland
Starved Rock	Below Marseilles Lock	244.0 - 244.5	27%	4.2	1.1	2011	Upland
Marseilles	Marseilles Canal	244.7 - 247.0	33%	6.3	2.1	2008	Upland
Marseilles	Ballards Is/KickapooCreek	248.5 - 248.9	3%	0.1	0.0	2006	Upland
Marseilles	Johnson Is/Kickapoo Creek	249.7 - 250.0	6%	3.2	0.2	2007	Upland
Marseilles	Springbrook Light	251.4 - 251.5	3%	1.0	0.0	1981	Right
Marseilles	Seneca	253.3 - 253.6	3%	2.0	0.1	1981	Right
Marseilles	Grist Island	258.6 - 259.3	27%	9.0	2.4	2010	Right
Marseilles	Sugar Island	260.0 - 261.0	3%	2.0	0.1	1980	Right
Marseilles	Aux Sable	268.0 - 268.0	3%	1.6	0.0	2013	Upland
Marseilles	Below Dresden Island Lock	270.8 - 271.4	45%	9.6	4.4	2011	Left, Upland
Dresden Is	Above Dresden Island Lock	271.5 - 272.0	27%	3.7	1.0	2012	Upland
Dresden Is	Bonnel Bend	273.7 - 274.3	3%	4.0	0.1	1980	Left and Right
Dresden Is	Grant Creek Cut Off	274.4 - 274.9	3%	5.0	0.2	1980	Left and Right
Dresden Is	DuPage River	277.2 - 277.5	3%	2.0	0.1	1980	Left
Dresden Is	Treats Island	278.8 - 279.5	18%	2.4	0.4	2007	Upland
Dresden Is	Hunting Lodge Bend	281.1 - 281.6	3%	1.0	0.0	1983	Upland
Dresden Is	Below Brandon Road Lock	285.2 - 285.8	30%	3.2	1.0	2007	Upland
Brandon Rd	Above Brandon Road Lock	286.0 - 286.3	6%	0.3	0.0	2004	Upland
Brandon Rd	Below Lockport Lock	290.0 - 291.0	24%	0.1	0.0	2007	Upland

*Section 404(B)(1) Evaluation  
Maintenance Dredging of the  
9-Foot Channel Navigation Project*

*Statement of Findings*



CEMVR-OD-P-2014-799  
Vicinity Map  
Sheet 1 of 1

*Section 404(B)(1) Evaluation  
Maintenance Dredging of the  
9-Foot Channel Navigation Project*

*Statement of Findings*

**From:** Duyvejonck, Jon  
**To:** Afflerbaugh, Matthew J MVR  
**Cc:** Kristen Lundh  
**Subject:** Re: [EXTERNAL] Re: IWW 404(b)(1) and Public Notice (UNCLASSIFIED)  
**Date:** Friday, July 25, 2014 1:57:42 PM

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Matt,  
Kristin might offer some comments, but for now I recommend that at some point consultation must be re-initiated to address project wide impacts to the scaleshell mussel. That may require a new mussel survey and updated BA. For now, I think any new dredging sites or shoreline placement in the Marseilles Pool must be coordinated individually.

On Fri, Jul 25, 2014 at 9:19 AM, Afflerbaugh, Matthew J MVR <Matthew.J.Afflerbaugh@usace.army.mil> wrote:

Classification: UNCLASSIFIED  
Caveats: NONE

Hey Jon,

We are hoping to start wrapping up the IWW 404(b)(1) soon. Any luck preparing a response for the scaleshell or the 404(b)(1) in general? Please let me know if you have any questions.

Thanks,

Matt Afflerbaugh  
Biologist, Environmental Compliance Section  
USACE-RPEDN-Rock Island  
Phone: 309-794-5384  
Fax: 309-794-5157

-----Original Message-----

From: Duyvejonck, Jon [mailto:jon\_duyvejonck@fws.gov]  
Sent: Tuesday, June 24, 2014 11:25 AM  
To: Afflerbaugh, Matthew J MVR  
Subject: [EXTERNAL] Re: IWW 404(b)(1) and Public Notice (UNCLASSIFIED)

Matt,  
I have not sent you a response yet, because we are determining how to handle the recent finding of the scaleshell mussel on the IWW last year.

On Thu, Jun 12, 2014 at 11:55 AM, Afflerbaugh, Matthew J MVR <Matthew.J.Afflerbaugh@usace.army.mil> wrote:

Classification: UNCLASSIFIED  
Caveats: NONE

IWW OSIT,

The Rock Island District (District) has prepared a Clean Water Act Section 404(b)(1) Evaluation for maintenance dredging on the IWW from RMs 80.2 to 303.4. The Public Notice for Permit

*Section 404(B)(1) Evaluation  
Maintenance Dredging of the  
9-Foot Channel Navigation Project*

*Statement of Findings*

Number (2014-799) is being circulated for an approximate 30 day review. The purpose of the Public Notice is to solicit the views of the public on the Section 404(b)(1) Evaluation associated with the channel maintenance dredging performed on the Illinois Waterway. The District has extended the current authorization to August 31, 2014 to allow for review of the updated Section 404(b)(1) Evaluation. The Public Notice is scheduled to be posted on the District's Regulatory webpage later today (<http://www.mvr.usace.army.mil/Missions/Regulatory/PublicNotices.aspx>).

The 404(b)(1) Evaluation and appendices are posted online ([http://www2.mvr.usace.army.mil/projects/Supplements/IWW%20404\(b\)\(1\)small.pdf](http://www2.mvr.usace.army.mil/projects/Supplements/IWW%20404(b)(1)small.pdf)). The link to the 404(b)(1) Evaluation is included in the Public Notice as well. Included as appendices to the 404(b)(1) Evaluation are a Federally-listed species table, maps of historic dredging and placement on the IWW, and the 2009 404 Studies Final Report. The maps of historic dredging and placement were created to hopefully be a resource for OSIT members during future coordination of dredging events.

As discussed during the Winter OSIT in February, the District is proposing a 10-year period of authorization. Comments concerning the project should be addressed to the District Engineer, U. S. Army Corps of Engineers, Rock Island District, ATTN: OD-P (Kirsten Brown), Clock Tower Building - Post Office Box 2004, Rock Island, Illinois 61204-2004. Mrs. Kirsten Brown (309/794-5104) may be contacted for additional information concerning regulatory issues. Mr. Matt Afflerbaugh (309/794-5384) may be contacted for additional information concerning environmental issues.

Attached to this email is a copy of the Public Notice and the 404(b)(1) Evaluation without appendices. Hard copies of these documents are available upon request. Please let me know if you have any questions.

Thanks,

Matt Afflerbaugh  
Biologist, Environmental Compliance Section  
USACE-RPEDN-Rock Island  
Phone: 309-794-5384  
Fax: 309-794-5157

Classification: UNCLASSIFIED  
Caveats: NONE

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Jon Duyvejonck  
US Fish and Wildlife Service  
1511 - 47th ave  
Moline, IL 61265

tel. 309/757-5800, ex 207

Classification: UNCLASSIFIED  
Caveats: NONE