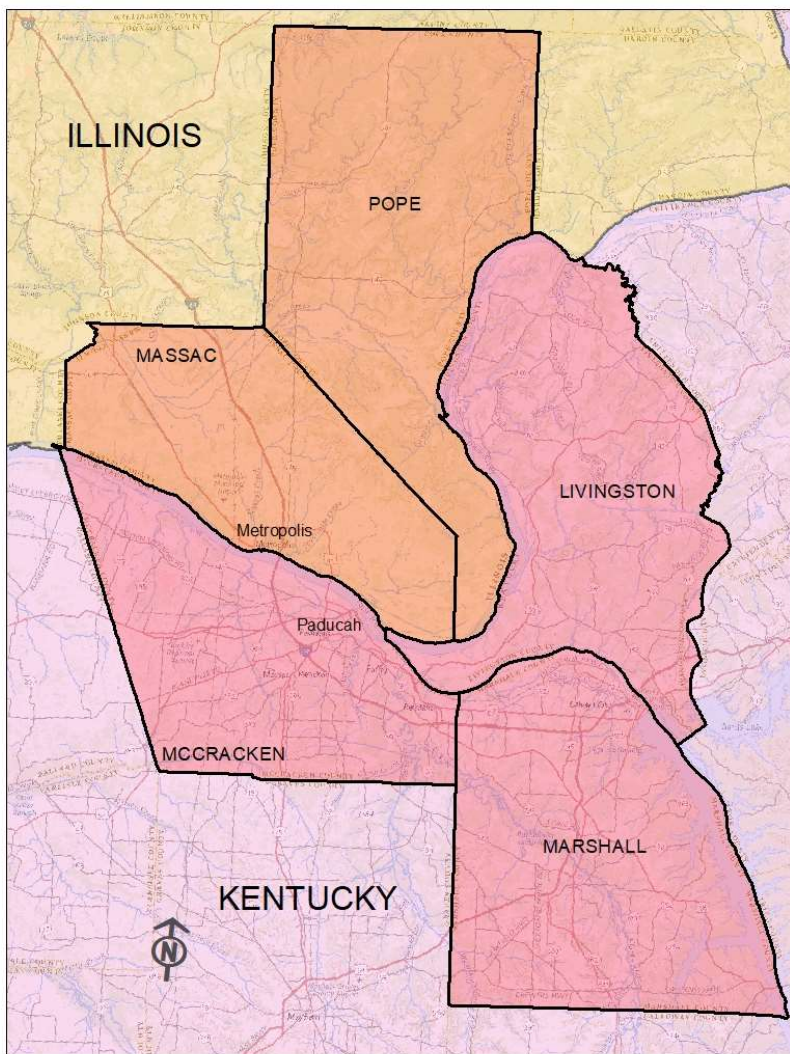




# **U.S. EPA REGION 5 The Great Rivers – PADUCAH/METROPOLIS SPILL RESPONSE PLAN**

## **INITIAL INCIDENT ACTION PLAN (IAP) DRAFT**



**REVISION DATE: 2/21/2019**

*This Initial Incident Action Plan is developed to aid in initiating a timely and effective response to spills of oil and other hazardous materials originating from either Illinois or Kentucky along the Ohio River (including its tributaries) between Ohio River mile markers 918.5 to 956. It is intended to be used during Operational Periods 1 and 2 of response only at the discretion of the Incident Commander. It is not intended to supersede the direction of the Incident Commander or eliminate the need for ongoing communication during a response.*

## LETTER OF PROMULGATION

### The Great Rivers – Paducah/Metropolis Spill Response Plan

1. **Purpose.** The Great Rivers – Paducah/Metropolis Spill Response Plan provides updates on area information, specific response organization, and detailed plans for the containment, cleanup and disposal of oil and hazardous substance discharges and releases.
2. **Discussion.** This plan includes information on general authorities; national, state, and local response policy; assignment of responsibility for cleanup; multi-agency response organization; unified command including operations, planning, logistics, and finance/administration sections; agency contact lists; response strategies; site safety; chemical countermeasures; in-situ burning; and hazardous substances release response.
3. **Action.** All relevant federal agencies, state agencies, local agencies, commercial spill response contractors, environmental stakeholders and responsible parties are encouraged to be guided by this plan during pollution response efforts, regardless of size or scope.

ORG	NAME	DATE/TIME
	United States Coast Guard MSU Paducah	
	Illinois Environmental Protection Agency (IEPA)	
	Kentucky Department of Environmental Protection (KYDEP)	
	US Environmental Protection Agency (USEPA) Region IV	
	US Environmental Protection Agency (USEPA) Region V	
	Ohio River Valley Water Sanitation Commission (ORSANCO)	



## **The Great Rivers - Paducah/Metropolis Spill Response Plan INITIAL INCIDENT ACTION PLAN**

### **EXECUTIVE SUMMARY**

In order to best prepare for oil and hazardous material spills originating from either Illinois, or Kentucky, along the Ohio River (including its tributaries) between Ohio River mile marker 918.5 to 956, The Great Rivers Coordination Group comprised of representatives from the U.S. Environmental Protection Agency (U.S. EPA), U.S. Coast Guard (USCG), Illinois Environmental Protection Agency (IEPA), Kentucky Department of Environmental Protection (KDEP), and other federal, state, local agencies, and private sector, identified the need for a specialized planning document that would: 1) describe the roles that agencies and other entities would likely play in an incident, and 2) give responders a mechanism to help organize both in advance and during a response. This planning tool would also help multiple agencies to coordinate their operations and resources and make effective and efficient use of their personnel, supplies and time.

The objective is to promote timely and effective coordination among the entire spill community, including Federal, state, local and private entities in response to an oil discharge or hazardous substance release along the Ohio River–Paducah/Metropolis Area (Ohio River mile marker 918.5 to 956) or within a major tributary leading to the Ohio River (Cumberland River and Tennessee River).

The scope of this document involves discharges of oil into or on the navigable waters of the U.S. and releases into the environment of hazardous substances and pollutants or contaminants that may present an imminent and substantial danger to public health or welfare.

To help meet these needs, the enclosed Response Checklist and initial Incident Action Plan (IAP) document was created in 2018. The plan has been tailored to identify the Incident Command System (ICS) forms most likely to be initially used in an Ohio River response and includes potential objectives as well as a detailed emergency contact list. The plan provides a concise and coherent means of capturing and communicating the overall incident priorities, objectives and strategies in the context of both operational and support activities.

The response plan was developed to aid the implementation of the ICS. During an incident, the ICS emphasizes orderly and systematic planning, and this Response Checklist and initial IAP are intended to be the central tool for planning during the Operational Period #1 of response at the discretion of the Incident Commander (IC). The plan is not intended to supersede the direction or authority of the IC, or to preclude communication or flexibility in response. The level of detail required in an Incident Action Plan will vary according to the size and complexity of the response. After the Operational Period #2 of an incident, it is expected that this IAP will be superseded by a response specific IAP as needed.

The response plan was developed to be consistent with, and support, existing plans and procedures including the RRT 4 RACP, RRT R5 ACP/RCP, Ohio River Umbrella Plan, state response plans and local response plans.

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## LIST OF ACRONYMS

CPO	Conservation Police Officer
CWA	Clean Water Act
DHS	Department of Homeland Security
DOI	Department of Interior
EMA	Emergency Management Agency
ERU	Emergency Response Unit
FOSC	Federal On-Scene Coordinator
IAP	Incident Action Plan
IC	Incident Commander
ICS	Incident Command System
IMT	Incident Management Team
IDNR	Illinois Department of Natural Resources
IEMA	Illinois Emergency Management Agency
IEPA	Illinois Environmental Protection Agency
KDEP	Kentucky Department of Environmental Protection
KDF&W	Kentucky Department of Fish & Wildlife
KYEM	Kentucky Emergency Management
LDB	Left Descending Bank
LEPC	Local Emergency Planning Committee
MM	Mile Marker
MSD	Marine Safety Detachment
NPS	National Parks Service
NRC	National Response Center
NRDAR	Natural Resource Damage Assessment & Restoration
OPA	Oil Pollution Act
ORSANCO	Ohio River Valley Water Sanitation Commission
OSC	On-Scene Coordinator
RCP	Regional Contingency Plan
RDB	Right Descending Bank
RP	Responsible Party
RRT	Regional Response Team
SHPO	State Historic Preservation Officer
USACE	United States Army Corps of Engineers
USCG	United States Coast Guard
U.S. EPA	United States Environmental Protection Agency
USFWS	United States Fish & Wildlife Service

## BACKGROUND INCIDENT ACTION PLANNING “P”

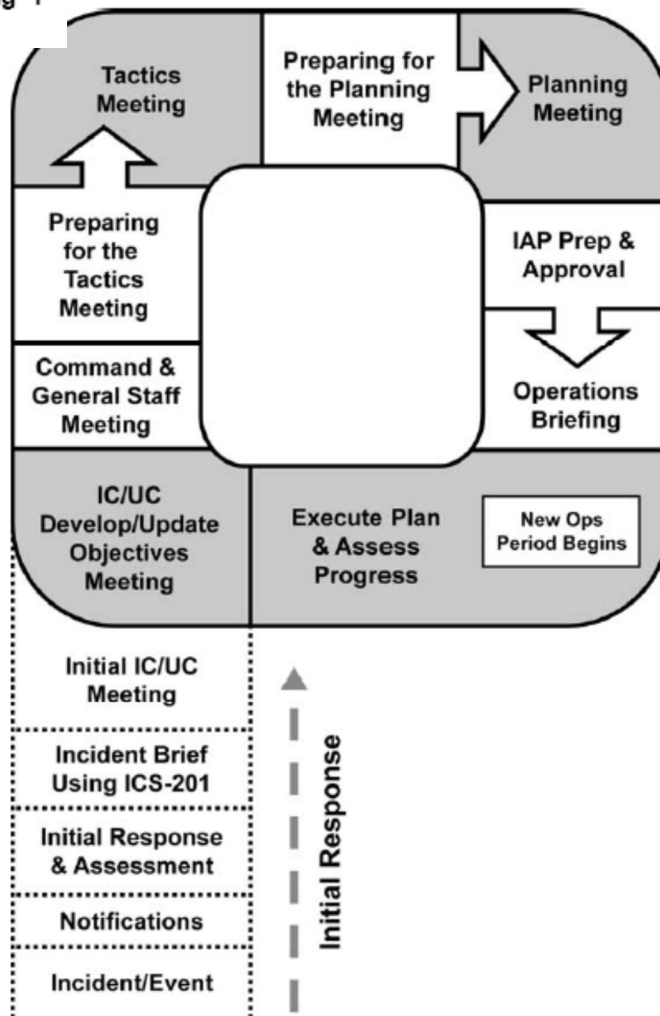
### Incident Action Planning Process

In the Incident Command System (ICS), considerable emphasis is placed on developing effective Incident Action Plans (IAP). A planning process has been developed as a part of the ICS to assist planners in the development of a plan in an orderly and systematic manner. Not all incidents require detailed written plans. Recognizing this, the following planning process provides a series of basic planning steps, which are generally appropriate for use in any incident situation. The determination of the need for written IAPs and attachments/forms is based on the requirements of the incident and the judgment of the Incident Commander (IC). The Planning Section Chief prepares the IAP with input from the appropriate sections and units of the Incident Management Team (IMT). The IAP should be written at the outset of the response and revised continually throughout the response.

The diagram below shows the process and steps involved to develop an IAP. The initial IAP included in this document is intended to help guide a response through Operational Periods #1 and #2 of an incident on the Ohio River – Paducah/Metropolis Area (between Ohio River mile markers 918.5 to 956).

### The Planning Cycle and Daily flow of events:

#### The Planning “P”





## Agency General Spill Roles and Responsibilities for The Great Rivers - Paducah/Metropolis Response Plan

Local Agencies	General Roles and Responsibilities
Responsible Party/Facility/Industry	<p>The spiller, or responsible party (RP), has the primary responsibility to conduct spill cleanup, following the procedures listed in the facility and/or vessel response plan. The first response action of the RP is making notification of an incident to appropriate other responders of the incident, according to law and the RP's own response plan. The RP conducts whatever response actions are necessary and for which their personnel are trained and equipped. The RP is required to have authorized and qualified individuals available 24 hours a day to respond to a spill. The RP should also have sufficient funds available to cover the cost of pollution response to the limit of liability for the vessel or facility. As the priorities of an incident evolve, they often include off-site and environmental concerns. The RP has the lead role in responding to these concerns, under the oversight of state or federal agencies. The RP is also liable for restoring or replacing natural resources which may be injured or lost due to the spill, and should coordinate with the natural resource trustees (via the Natural Resource Damage Assessment &amp; Restoration (NRDAR) Liaison in the IC) as part of the NRDAR process. The RP will be represented at the command level of the response organization to represent their interests and to help coordinate assets and response actions. The RP should conduct inquiries into the cause of an incident. This is often done with the participation or oversight of state or federal agencies such as the Occupational Safety and Health Administration, USCG or Department of Transportation. The RP should conduct a critique of their response to an incident and revise prevention, preparedness, and response measures accordingly. If the RP does not respond properly, the On-Scene Coordinator (OSC) shall take appropriate response actions and should notify the RP of the potential liability for federal response costs incurred by the OSC pursuant to the Oil Pollution Act (OPA) and the Clean Water Act (CWA).</p>
Local Fire, Police, & Sheriff Departments	<p>Local units of government typically have the primary role in protecting the public's safety and property from a spill through police and fire department response. During the initial stages of an incident, when life and safety issues are paramount, local officials (Fire/Police/Sheriff) will be "in charge" of the response to an incident until such time that they decide to enter into a Unified Command.</p>
Counties & Emergency Management (Illinois and Kentucky)	<p>During the response and recovery stages of an event, the County Emergency Management acts as a liaison between federal, state, and local units of government to promote speedy access to emergency resources and recovery funding.</p> <p>The two Illinois counties that are included in this plan are Pope (Ohio River Mile Marker [MM] 918.5 to 928), and Massac (Ohio River MM 928 to 956) counties.</p> <p>The two Kentucky counties that are included in this plan are Livingston (Ohio River MM 918.5 to 931.5), and McCracken (Ohio River MM 931.5 to 956) counties.</p> <p>The primary role of the counties is to provide management through direct supervision and responsibility of emergency management, Local Emergency Planning Committee (LEPC), and information systems that provide for the exchange of information between police, fire, emergency medical, and emergency management response services.</p>

Ohio River Valley Water Sanitation Commission (ORSANCO)	<p>ORSANCO was established in 1948 to control and abate pollution in the Ohio River Basin. ORSANCO is an interstate commission representing eight states and the federal government. Member states include: Illinois, Indiana, Kentucky, New York, Ohio, Pennsylvania, Virginia and West Virginia.</p> <p>ORSANCO operates programs to improve water quality in the Ohio River and its tributaries, including setting waste water discharge standards; performing biological assessments; monitoring for the chemical and physical properties of the waterways; and conducting special surveys and studies.</p> <p>In addition, ORSANCO assists state environmental agencies, U.S. EPA and USCG in emergency spill response and notification. Specifically, ORSANCO's role in the event of a spill is to serve as an interstate communications center, assisting in emergency notification procedures to downstream drinking water utilities, and coordinating emergency stream monitoring in order to track contaminant plumes as they flow downstream. ORSANCO's jurisdiction ends at the confluence with the Mississippi they do not notify anyone downstream of this point.</p> <p>ORSANCO monitors for the following volatile organic compounds:</p> <table><tr><td>1,1 Dichloroethylene</td><td>1,2 Dichloroethane</td><td>Chlorobenzene</td></tr><tr><td>Methylene Chloride</td><td>Trichloroethylene</td><td>Ethylbenzene</td></tr><tr><td>1,1 Dichloroethane</td><td>1,2 Dichloropropane</td><td>Styrene</td></tr><tr><td>Chloroform</td><td>Dichlorobromomethane</td><td>Bromoform</td></tr><tr><td>1,1 Trichloroethane</td><td>Toluene</td><td>1,3 Dichlorobenzene</td></tr><tr><td>Carbon Tetrachloride</td><td>Tetrachloroethylene</td><td>1,4 Dichlorobenzene</td></tr><tr><td>Benzene</td><td>Dibromochloromethane</td><td>1,2 Dichlorobenzene</td></tr><tr><td>Acrylonitrile</td><td>Trans-1,2 Dichloroethylene</td><td>Cis-1,3 Dichloropropene</td></tr><tr><td>Trans-1,3 Dichloropropene</td><td>Hexachloro-1,3-butadiene</td><td>1,1,2,2 Tetrachloroethane</td></tr><tr><td>1,1,2 Trichloroethane</td><td>Trichloromethane</td><td>Naphthalene</td></tr></table> <p>Monitoring takes place at the drinking water utilities located along the rivers, including: Pittsburgh Water; Pennsylvania American Water at Hays Mine; Westview Water; Midland Water; Weirton Water; Wheeling Water; Chemours Facility at Washington Works; John Amos Power Plant; Huntington Water; Maysville Water; Portsmouth Water; Greater Cincinnati Water Works; Louisville Water; Evansville Water; and Paducah Water.</p>	1,1 Dichloroethylene	1,2 Dichloroethane	Chlorobenzene	Methylene Chloride	Trichloroethylene	Ethylbenzene	1,1 Dichloroethane	1,2 Dichloropropane	Styrene	Chloroform	Dichlorobromomethane	Bromoform	1,1 Trichloroethane	Toluene	1,3 Dichlorobenzene	Carbon Tetrachloride	Tetrachloroethylene	1,4 Dichlorobenzene	Benzene	Dibromochloromethane	1,2 Dichlorobenzene	Acrylonitrile	Trans-1,2 Dichloroethylene	Cis-1,3 Dichloropropene	Trans-1,3 Dichloropropene	Hexachloro-1,3-butadiene	1,1,2,2 Tetrachloroethane	1,1,2 Trichloroethane	Trichloromethane	Naphthalene
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State Agencies	General Roles and Responsibilities																														
Illinois Environmental Protection Agency (Illinois EPA)	<p>Under Emergency Support Function 10 (ESF-10 Oil &amp; Hazardous Materials) of the Illinois Emergency Operations Plan (IEOP);</p> <p>The Illinois Environmental Protection Agency (Illinois EPA) is responsible for the overall environmental assessment and identification of hazards to the public and to the environment. Direct clean-up and proper disposal of hazardous materials, including oil and petroleum products. Illinois EPA has regulatory authority over public water supplies and wastewater treatment facilities as well as air pollution sources and asbestos issues. Illinois EPA also has oversight of debris disposal stemming from natural disasters.</p> <p>Illinois EPA Emergency Response Duty Officers are available on a 24-Hour basis to assist with and coordinate responses to oil and hazardous materials releases to the environment.</p>																														
Illinois Department of Natural Resources (IDNR)	<p>The Illinois DNR Land Management Team supports the Department's programs designed to protect Illinois' natural and recreational resources. Conservation Police Officers (CPO) or Game Wardens are vested with full state-wide police authority and are trained as law enforcement professionals. Although CPOs have full police authority in the enforcement of all Illinois Compiled Statutes, their enforcement mission is to focus upon those laws and activities associated with natural resource protection and recreational safety.</p> <p>As a natural resource trustee, IDNR works with U.S. Fish &amp; Wildlife Service (USFWS) and other co-trustees to assess damages to restore natural resources (as circumstances allow) lost or injured due to a spill. Data acquired would be used to determine the extent of damage to natural resources, to develop restoration or replacement strategies, and to develop and submit a claim for damages to the RP to implement the most appropriate restoration actions.</p>																														

Kentucky Division of Environmental Protection (KDEP)	<p><u>Authority:</u> In 40 CFR 300.115, the National Contingency Plan calls for state participation in RRTs. KDEP is designated as Kentucky's RRT Region 4 member.</p> <p><u>Response:</u> The Kentucky Emergency Operations Plan (EOP) identifies KDEP as the lead agency for Emergency Support Function 10 – Oil and Hazardous Materials (ESF10).</p> <p>Kentucky Revised Statutes (KRS 224-01-400), provides the following language:</p> <ul style="list-style-type: none"> <li>• Reportable quantities and release notification requirements for hazardous substances, pollutants, or contaminants.</li> <li>• Any person in charge of a vessel or site from which oil is discharged in a harmful quantity as defined by 40 C.F.R. Part 110 in contravention of Section 311 of the Federal Clean Water Act shall immediately notify the cabinet's twenty-four (24) hour environmental response line.</li> <li>• The cabinet shall be the lead agency for hazardous substance, pollutant, or contaminant emergency spill response and, after consultation with other affected federal, state, and local agencies and private organizations, shall establish a contingency plan for undertaking emergency actions in response to the release of a hazardous substance, pollutant, or contaminant.</li> </ul> <p><u>Personnel:</u> OSCs in KDEP's Environmental Response Branch maintain a 24-hour spill reporting line for Kentucky; provide technical assistance to local responders and responsible parties; and respond to locations 24-hours a day for spills of petroleum, hazardous substances, extremely hazardous substances, and objectionable substances that are of a quantity, type, duration, and in a location as to damage the waters of Kentucky.</p> <p>KDEP is also designated the State Trustee by the Secretary of the Energy and Environment Cabinet where the KDEP is housed.</p>
Kentucky Department of Fish and Wildlife (KDF&W)	<p>The KDF&amp;W is responsible for protecting Kentucky's natural and recreational resources. Conservation Officers (CO) or Game Wardens are vested with full state-wide police authority and are trained as law enforcement professionals. Although COs have full police authority in the enforcement of all Kentucky Compiled Statutes, their enforcement mission is to focus upon those laws and activities associated with natural resource protection, fish and wildlife resources, and recreational boating safety.</p>
State Historic Preservation Officer (SHPO)	<p>Identification of culturally sensitive sites in the vicinity of a spill can be accomplished by contacting the appropriate State Historic Preservation Officer (SHPO). This individual is generally associated with the State Historical Preservation Office or Society, which may or may not be within a department of State government.</p> <p>The National Parks Service (NPS) has responsibility for sites located on Federal lands within the Region. NPS maintains a registry of historically and culturally significant resources, the National Register of Historic Places, which can be accessed via the National Register Information System at <a href="http://www.nps.gov/nr/research/">http://www.nps.gov/nr/research/</a>.</p> <p>Specific procedures and Federal OSC responsibilities regarding these sites are set forth in the Programmatic Agreement on Protection of Historic Properties During Emergency Response. Further information about the NPS History and Culture program can be found at <a href="http://www.nps.gov/history/">http://www.nps.gov/history/</a>.</p>
<b>Federal Agencies</b>	<b>General Roles and Responsibilities</b>

U.S. Environmental Protection Agency (U.S. EPA) Region 5	<p>The Federal On-Scene Coordinator (FOSC) is the pre-designated federal official, operating at the scene of an oil or hazardous substance incident in accordance with executive powers delegated through law, regulation, executive orders and agency delegations. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) provides the legal authority which clearly specifies that the role and responsibility of the FOSC is to direct response operations and to coordinate all other efforts at the scene of an oil discharge or a hazardous substance release.</p> <p>For spills and releases originating from the Right Descending Bank (RDB) of the Ohio River in Illinois, U.S. EPA Region 5 will provide the FOSC.</p> <p>U.S. EPA Region 5 will provide the FOSC when an incident is federalized for spills originating from a source other than a vessel or marine transportation facility where:</p> <ul style="list-style-type: none"> <li>• The FOSC is the lead federal official for spill response.</li> <li>• The FOSC is the point of contact for the coordination of federal efforts with those of the local response community. The FOSC will be in support of local command unless asked to assume control.</li> <li>• The FOSC shall, to the extent practicable, collect pertinent facts about the discharge or release, such as its source and cause; the identification of potentially responsible parties; the nature, amount, and location of discharged or released materials; the probable direction and time of travel of discharged or released materials; whether the discharge is a worst case discharge; the pathways to human and environmental exposure; the potential impact on human health, welfare, and safety and the environment; whether the discharge or release poses a substantial threat to the public health or welfare; the potential impact on natural resources and property which may be affected; priorities for protecting human health and welfare and the environment; and appropriate cost documentation.</li> </ul> <p>The FOSC shall ensure that the Natural Resource Trustees are promptly notified of discharges or releases and shall coordinate all response actions with the trustees. The FOSC should ensure that all appropriate public and private interests are kept informed and that their concerns are considered throughout a response, to the extent practicable. <b>The U.S. EPA Region 5 FOSC for The Great Rivers - Paducah/Metropolis Spill Response Plan is Kevin Turner.</b></p>
U.S. EPA Region 4	<p>The On-Scene Coordinator is the federal official pre-designated by U.S. EPA or the USCG to coordinate and direct responses under the National Contingency Plan. For spills and releases originating from the left descending bank (LDB) and the main stem of the Ohio River in Kentucky, U.S. EPA Region 4 will provide the FOSC.</p> <p>U.S. EPA Region 4 has jurisdiction if the spill originates on the Ohio River or originates from the Kentucky Bank of the Ohio River.</p> <p>U.S. EPA Region 4 provides FOSCs when an incident is federalized for spills originating from a source other than a vessel or marine transportation facility where:</p> <ul style="list-style-type: none"> <li>• The FOSC is the lead federal official for spill response.</li> <li>• The FOSC is the point of contact for the coordination of federal efforts with those of the local response community. The FOSC will be in support of local command unless asked to assume control.</li> <li>• The FOSC shall, to the extent practicable, collect pertinent facts about the discharge or release, such as its source and cause; the identification of potentially responsible parties; the nature, amount, and location of discharged or released materials; the probable direction and time of travel of discharged or released materials; whether the discharge is a worst case discharge; the pathways to human and environmental exposure; the potential impact on human health, welfare, and safety and the environment; whether the discharge or release poses a substantial threat to the public health or welfare; the potential impact on natural resources and property which may be affected; priorities for protecting human health and welfare and the environment; and appropriate cost documentation.</li> </ul> <p>The FOSC shall ensure that the Natural Resource Trustees are promptly notified of discharges or releases and shall coordinate all response actions with the trustees. The FOSC should ensure that all appropriate public and private interests are kept informed and that their concerns are considered throughout a response, to the extent practicable. <b>The U.S. EPA Region 4 FOSC for The Great Rivers - Paducah/Metropolis Spill Response Plan is Steve Spurlin.</b></p>
National Response Center (NRC)	<p>The NRC is the national communications center for handling activities related to response actions. The NRC acts as the single point of contact for all Federal pollution incident reporting. Notice of an oil discharge or release of a hazardous substance in an amount equal to or greater than the reportable quantity must be made immediately in accordance with 40 CFR Part 110 and 40 CFR Part 116, respectively. All notices of discharges or releases received at the NRC will be relayed immediately by telephone to the appropriate pre-designated federal OSC.</p> <p>To address the complex nature of communications among and within the U.S. EPA Regions that have authority along the Ohio River, ICS Form 205 (Communication Plan) contains detailed communications for each state within Regions 4 and 5 that border the Ohio River. Every effort has been made to ensure that all Federal, state and local response contacts have been identified and recorded for the Ohio River.</p>



USCG Sector Ohio Valley – MSU Paducah	<p>The On-Scene Coordinator is the federal official predesignated by U.S. EPA or the USCG to coordinate and direct responses under the National Contingency Plan.</p> <p>The USCG provides Federal On-Scene Coordinators (FOSC) for oil discharges, when an incident is federalized and the source is either a commercial vessel; a commercial vessel transfer operation; or it is within or originating from the USCG regulated portion of a facility; where:</p> <ul style="list-style-type: none"> <li>• The Incident must result in an actual discharge or threatened discharge of oil or hazardous substances into or on navigable waters of the United States, or the riverbank within the USCG Eighth District.</li> <li>• The FOSC is the lead federal official for spill response.</li> <li>• The FOSC is the point of contact for the coordination of federal efforts with those of the local response community and shall be a fully involved member of the unified command.</li> <li>• The FOSC shall, to the extent practicable, collect pertinent facts about the discharge or release, such as its source and cause; the identification of potentially responsible parties; the nature, amount, and location of discharged or released materials; the probable direction and time of travel of discharged or released materials; whether the discharge is a worst case discharge; the pathways to human and environmental exposure; the potential impact on human health, welfare, and safety and the environment; whether the discharge or release poses a substantial threat to the public health or welfare; the potential impact on natural resources and property which may be affected; priorities for protecting human health and welfare and the environment; and appropriate cost documentation.</li> </ul> <p>The FOSC shall ensure that the natural resource trustees that may be impacted are promptly notified of discharges or releases. The FOSC should ensure that all appropriate public and private interests are kept informed and that their concerns are considered throughout a response, to the extent practicable.</p> <p>The USCG Eighth District has designated Sector Ohio Valley, based out of Louisville, Kentucky, as their FOSC. The purpose of the Sector is to provide command, control, and oversight to all USCG resources. In addition to providing the FOSC for spills and releases originating from marine-transportation-related facilities and vessels, Sector Ohio Valley can support efforts through its Paducah Marine Safety Unit.</p>
U.S. Army Corps of Engineers (USACE)	<p>The Ohio River is a major transportation route for commerce in the U.S. and contains an extensive system of 21 locks and dams to speed this transportation from the Mississippi River up to Pittsburgh, Pennsylvania.</p> <p>The Smithland Lock &amp; Dam and the Lock &amp; Dam 52 are located in the response area covered by the plan.</p> <p>This lock and dam system is controlled by the USACE. During any pollution incident, control of river traffic during a crisis situation will be accomplished via two methods:</p> <ul style="list-style-type: none"> <li>• Voluntary actions of industry and/or the establishment of mandatory controls by the USCG</li> <li>• During a severe flood, low water, or pollution event, a state of de facto river closure may arise through the closure of the locks and dams by the USACE or the inability of vessels to operate due to low channel depths.</li> </ul> <p>Extensive cooperation between USCG, USACE, State and local agencies, and the river industry is necessary for incidents occurring on the Ohio River. Each USACE District on the Ohio River contains a Readiness Branch and within it an Operations Division. The function of the branch is to identify emergency situations that may warrant USACE assistance, maintain liaison with the states and with other federal agencies, and manage information and deployment of emergency resources as provided for by public laws.</p>
United States Fish & Wildlife Service (USFWS)	<p>The USFWS is also a trustee bureau of the U.S. Department of the Interior with Natural Resource Damage Assessment &amp; Restoration (NRDAR) authorities and responsibilities to restore or replace natural resources injured or lost due to spills of oil or releases of hazardous substances. The USFWS fulfills these responsibilities working with co-trustees (e.g., IDNR, KDEP) and Responsible Parties as a distinct process coordinated with the emergency response process.</p>

**UTILIZE ICS-234 (RESPONSE  
CHECKLIST) DURING THE  
INITIAL RESPONSE /  
1<sup>st</sup> OPERATIONAL PERIOD  
(FIRST 24-HOURS)**

Incident name: _____	<b>ICS – 234 INITIAL RESPONSE CHECKLIST</b> <b>The Great Rivers - Paducah/Metropolis Spill Response Plan</b>	
<b>UNIFIED COMMAND</b>		<b>OPERATION SECTION</b>
<b>Recommended Strategies, Tactics or Tasks</b>  <u><b>UNIFIED COMMAND:</b></u> <input type="checkbox"/> Establish Unified Command. Member should include U.S. EPA, USCG, RP, state and local responders. <input type="checkbox"/> Establish incident objectives and priorities. <input type="checkbox"/> Establish a response organization. <input type="checkbox"/> Determine Responsible Parties (RP).  <u><b>SAFETY:</b></u> <input type="checkbox"/> Develop a Health and Safety Plan <input type="checkbox"/> Prevent or stop unsafe work conditions. <input type="checkbox"/> Identify hazardous conditions associated with the incident. <input type="checkbox"/> Develop a safety message  <u><b>PUBLIC AFFAIRS:</b></u> <input type="checkbox"/> Gather incident data and information for media briefings. <input type="checkbox"/> Conduct media briefings. <input type="checkbox"/> Coordinating with County and State emergency managers and local Sheriff, provide emergency communications to impacted public.  <u><b>LIAISON:</b></u> <input type="checkbox"/> Establish interagency contacts. <input type="checkbox"/> Ensure response agencies are supporting the incident. <input type="checkbox"/> Ensure notifications to NRC, downstream states, municipalities, drinking water intakes, and economically sensitive businesses (ORSANCO)		<b>Recommended Strategies, Tactics or Tasks</b>  <u><b>OPERATIONS:</b></u> <input type="checkbox"/> Contain and stabilize spill sources. <input type="checkbox"/> Establish perimeter and hot zone. <input type="checkbox"/> Develop work assignments. <input type="checkbox"/> Develop a spill recovery plan. <input type="checkbox"/> Open up the Oil Spill Liability Trust Fund (OSLTF) for a Pollution Removal Fund Authorization (PRFA). <input type="checkbox"/> Mobilize company responders, local spill CO-OP, first responders, county emergency government and hazmat teams, state and federal responders and their contractors. <input type="checkbox"/> Hire a response contractor(s) if RP not adequately responding. <input type="checkbox"/> Respond to oiled wildlife. Seek assistance from US Fish and Wildlife Service. <input type="checkbox"/> See Response Strategies Appendix, if applicable <input type="checkbox"/> <b>Use of chemical agents in the Ohio River is not pre-approved.</b> <input type="checkbox"/> <b>Sinking agents shall not be used.</b>  <u><b>RIVER OPERATIONS:</b></u> <input type="checkbox"/> Establish river traffic control, river-traffic evacuation, no-boating area <input type="checkbox"/> Determine if it is safe for response personnel to be in boats on Ohio River <input type="checkbox"/> Establish shore land perimeter control areas <input type="checkbox"/> Notify and evacuate, if necessary, house boats and boat house owners and occupants
<b>PLANNING SECTION</b>		<b>LOGISTICS SECTION</b>
<b>Recommended Strategies, Tactics or Tasks</b>  <u><b>PLANNING:</b></u> <input type="checkbox"/> Establish planning cycle. <input type="checkbox"/> Collect, process, and display situation information about the incident. <input type="checkbox"/> Conduct spill modeling and spill trajectories. <input type="checkbox"/> Develop a monitoring plan for water quality. <input type="checkbox"/> Identify sensitive resources. See Inland Sensitivity Maps. <input type="checkbox"/> Conduct spill trajectory and time of travel to predict downstream impacts. <input type="checkbox"/> Establish data management plan. <input type="checkbox"/> Identify spill response resources for next Operational Period.		<b>Recommended Strategies, Tactics or Tasks</b>  <u><b>LOGISTICS/COMMUNICATIONS:</b></u> <input type="checkbox"/> Establish an Incident Command Post for briefings. <input type="checkbox"/> Establish communications protocol for the incident. <input type="checkbox"/> Acquire additional communication resources if needed.  <u><b>LOGISTICS/PROCUREMENT:</b></u> <input type="checkbox"/> Ensure procurement of materials and supplies. <input type="checkbox"/> Obtain authorization to initiate and finalize purchases <input type="checkbox"/> Interpret and initiate contracts/agreements. <input type="checkbox"/> Maintain log of all purchases related to the incident.

**UTILIZE INITIAL IAP FOR  
OPERATIONAL PERIOD #2.**

**DEVELOPMENT OF RESPONSE IAP  
MUST BE INITIATED PRIOR TO THE  
2nd OPERATIONAL PERIOD.**



Incident Name _____	2. Operational Period to be covered by IAP (Date/Time) From: _____ To: _____	<b>ICS – 200</b> <b>IAP COVER SHEET</b> <b>The Great Rivers -</b> <b>Paducah/Metropolis</b> <b>Spill Response Plan</b>
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## INITIAL INCIDENT ACTION PLAN

The items below are included in this Incident Action Plan

- [ICS 202](#) Incident Objectives. (Select from list as appropriate; add more if needed)
- [ICS 207](#) Incident Organization Chart.
- [ICS 204](#) Assignment List. (Fill in operations personnel contact name, incident-specific assignments & resource summary)
- [ICS 205](#) Incident Communication Plan. (Phone/Radio Contact list)
- [ICS 206](#) Medical Plan. (Medical aid stations, hospitals and emergency procedures)
- [ICS 223](#) Health and Safety Message. (General Safety Message and Major Hazards/ Risks)
- [ICS 214](#) Unit Activity Log. (Details of unit activity, including team activity or individual activity)

### Other Attachments

The following attachments are not included in the IAP. Please check and include additional forms, as needed.

- ☐ [ICS 208 Site Safety and Control Plan\(s\)\\*\\*](#) \*\*note: unless otherwise specified, every organization shall respond in accordance with the safety policies and procedures of their respective organizations
- ☐ [ICS 225 Maps / Charts](#) (See USACE Navigational Charts and Paducah/Metropolis Spill Response Maps. Select and add maps, as necessary)
- ☐ [Weather Forecasts / River flow – currents – conditions](#)
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_

### General Incident Summary

#### Incident Information and Incident Status

*(Include Incident location, latitude/longitude, estimated quantity spilled, spill rate etc.)*

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Prepared By: (Name/Title) _____	Date/Time: _____
Approved by: (Name/Title) _____	Date/Time: _____

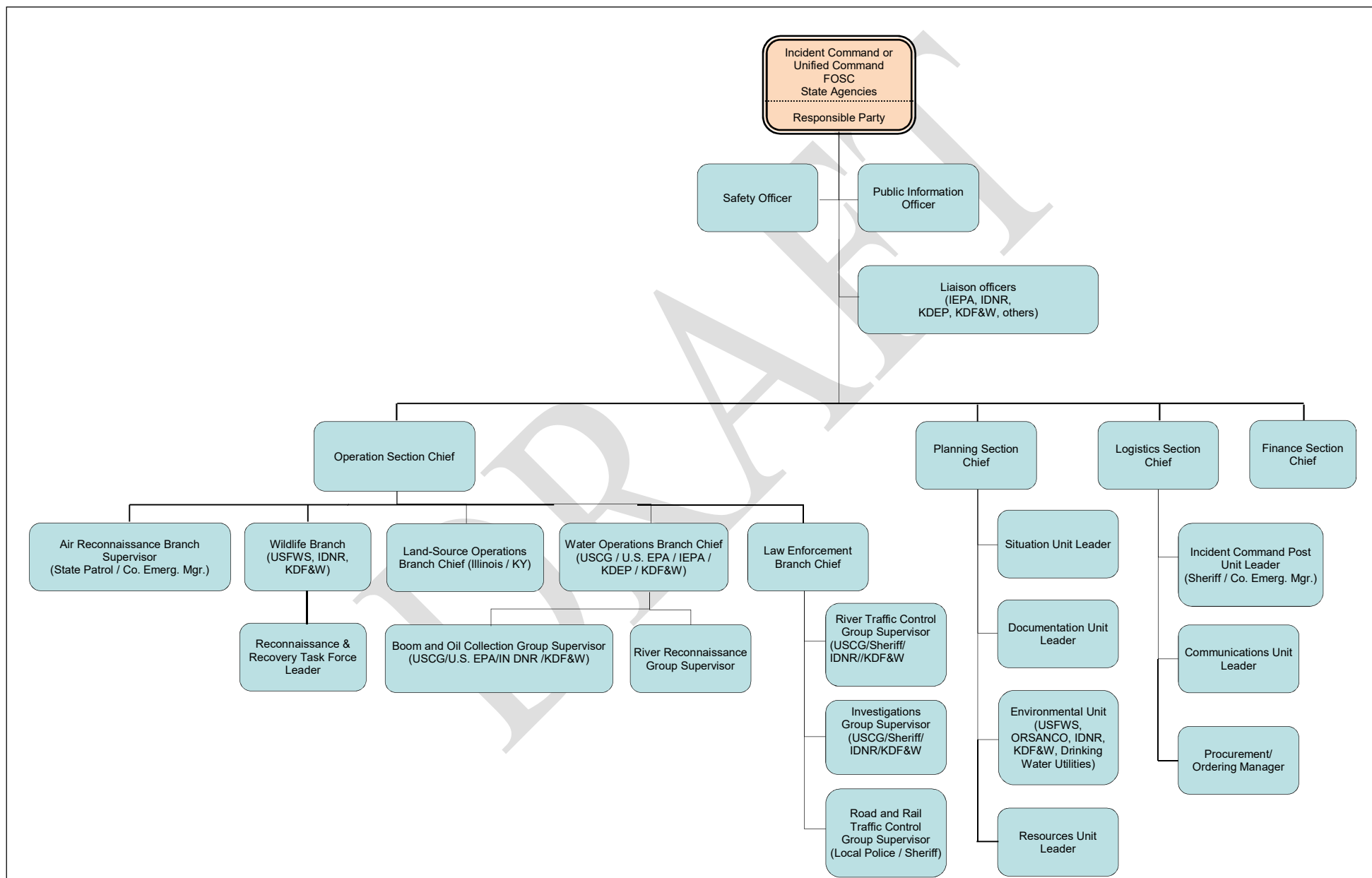
Incident name: _____	<b>ICS – 202 INCIDENT OBJECTIVES</b> <b>The Great Rivers - Paducah/Metropolis Spill Response Plan</b>
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Objectives
1. Conduct all the appropriate notifications (local fire department, National Response Center, IEPA, or KDEP), including notifications to downstream communities (via ORSANCO).
2. Conduct response operations to control/stop the source of the spill, contain, recover released material in the Ohio River and downstream and minimize response related environmental impacts.
3. Establish Unified Command and establish an Incident Command Post (via. County Emergency Management).
4. Ensure the health and safety of the public and response personnel.
5. Provide and manage necessary communications.
6. Identify the Responsible Party and determine ability to respond to the spill.
7. Inform and update the community and public.
8. Secure the incident scene, restrict river traffic as necessary and secure all evidence.
9. Evaluate resources-at-risk and protect downstream sensitive resources and minimize response related environmental impacts.
10. Coordinate recovery actions and appropriate rehabilitation procedures with natural resource trustees.
11. Coordinate response actions and resource information with natural resource trustees and the Natural Resource Damage Assessment & Restoration (NRDAR) process.
12. Coordinate operations to evaluate impact to the Ohio River (and its tributaries), and potentially impacted residents, water intakes and resources downstream.
13.
14.
15.
16.

Incident name:

## ICS – 207 INCIDENT ORGANIZATION CHART The Great Rivers - Paducah/Metropolis Spill Response Plan

Initial Command Structure for the first operational period of an oil spill. [Click here to have a workable and printable version of the Organization Chart](#)



1. Incident name:	2. Operational Period # 2		<b>ICS – 204          ASSIGNMENT LIST          The Great Rivers -          Paducah/Metropolis Spill          Response Plan</b>
_____	3. Section	<b>Operations</b>	
	4. Division/Group	<b>Law Enforcement</b>	

**5. Agencies Involved in Law Enforcement Group**

Agencies that might play a role in Law Enforcement Group:

- Counties & Emergency Management
- Local Fire, Police, Sheriff & Hazmat Teams
- U.S. Fish and Wildlife Service (USFWS)
- U.S. Coast Guard (USCG)
- IDNR
- KDF&W

**Agency General Roles and Responsibilities:** Refer to the [Roles and Responsibilities](#) Table provided in this Incident Action Plan

**6. Recommended Strategies and Tactics**

- Establish river traffic control, river-traffic evacuation, no-boating area. USCG / IDNR / Sheriff lead on River Traffic Mgmt.
- Secure scene immediately- Police / Sheriff lead on road and rail traffic control
- Collect photo evidence and document the scene

**7. Incident-Specific Assignments**

DRAFT

**8. Special Instructions for Division/Group**



9. Operations Personnel				
Title	Name	Affiliation	Emergency Contact #	Contact # (s)
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Communications: Refer to [The Great Rivers - Paducah/Metropolis Spill Response Plan](#) provided in this Incident Action Plan

10. Resource Summary						
ID	Resource Type	Description/ Location	Quantity	Size	Status	Notes/ Comments
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

11. Additional Information	
<div style="font-size: 100px; opacity: 0.1; transform: rotate(-30deg); pointer-events: none;">DRAFT</div>	
Prepared By: (Name/Title) _____	Date/Time: _____
Approved by: (Name/Title) _____	Date/Time: _____

1. Incident name:  _____	2. Operational Period # 2		<b>ICS – 204</b> <b>ASSIGNMENT LIST</b> <b>The Great Rivers -</b> <b>Paducah/Metropolis Spill</b> <b>Response Plan</b>
	3. Section	Operations	
	4. Division/Group	Oil Containment and Recovery	

5. Agencies Involved in Contain Release Group

Agencies that might play a role in Containment Group:

- Responsible Party/Facility/Industry/Contractors
- Counties & Emergency Management
- Local Fire, Police, Sheriff & Hazmat Teams
- Illinois Environmental Protection Agency (IEPA)
- Illinois Department of Natural Resources (IDNR)
- Kentucky Department of Environmental Protection (KDPE)
- U.S. Environmental Protection Agency (U.S. EPA) Region 5/Region 4
- U.S. Coast Guard (USCG)
- U.S. Army Corps of Engineers (USACE)

Agency General Roles and Responsibilities: Refer to the [Roles and Responsibilities](#) Table provided in this Incident Action Plan

6. Recommended Strategies and Tactics

- Mobilize company responders, local spill Co-Op, first responders, county emergency government and hazmat teams, state and federal responders and their contractors
- Utilize company and locally stored equipment such as oil spill boom, sorbents, tanker trucks, vacuum units, oil collection equipment or pre-staged response equipment
- Activate Spill Response Contractors (if company response too slow or inadequate)
- Activate and implement oil boom collection and recovery plan
- Contain and stabilize oil-sources
- Establish ignition source controls in hot zone
- Deflect spilled material into Lock Chamber for collection. Utilize Lock and Dam Master and provide formal request from Federal OSC
- Use of chemical agents is not pre-approved by U.S. EPA. Sinking agents shall not be used in U.S. EPA Regions 4 and 5.**
- U.S. EPA does not promote the use of dispersants or other oil emulsifiers as they do not work in fresh water. Consult U.S. EPA Regional Response Team, Region 4 Regional Response Team, & Region 5 Regional Response Team.**
- Authorization of in-situ burning is subject to consultation and concurrence from the State and DOI. Considerations for use should include an analysis of oil location and the potential impact of smoke on downwind populations.**
- State OSC has authorization to allow emergency decanting of oil.**

7. Incident-Specific Assignments

- Authorization of in-situ burning is subject to consultation and concurrence from the state and DOI.**
- Consult U.S. EPA RRT4 RACP & 5 RCP/ACP for shoreline cleanup guideline matrices.

8. Special Instructions for Division/Group

9. Operations Personnel						
Title	Name	Affiliation	Emergency Contact #	Contact # (s)		
_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____		
Communications: Refer to <a href="#">The Great Rivers - Paducah/Metropolis Spill Response Plan</a> provided in this Incident Action Plan						
10. Resource Summary						
ID	Resource Type	Description/ Location	Quantity	Size	Status	Notes/ Comments
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
11. Additional Information						
Prepared By: (Name/Title) _____				Date/Time: _____		
Approved by: (Name/Title) _____				Date/Time: _____		

1. Incident name:  _____	2. Operational Period # 2		<b>ICS – 204</b> <b>ASSIGNMENT LIST</b> <b>The Great Rivers -</b> <b>Paducah/Metropolis Spill</b> <b>Response Plan</b>
	3. Section	<b>Operations</b>	
	4. Division/Group	<b>Wildlife Recovery &amp; Rehabilitation</b>	

<b>5. Agencies Involved in Wildlife Recover &amp; Rehabilitation Group</b>
<p>Agencies that might play a role in Wildlife Recovery and Rehabilitation Group:</p> <ul style="list-style-type: none"> <li>Responsible Party/Facility/Industry/Contractors</li> <li>Illinois Environmental Protection Agency (IEPA)</li> <li>Illinois Department of Natural Resources (IDNR)</li> <li>Kentucky Department of Environmental Protection (KDEP)</li> <li>Kentucky Fish &amp; Wildlife</li> <li>U.S. Fish and Wildlife Service (USFWS)</li> </ul>
<p><b>Agency General Roles and Responsibilities:</b> Refer to the <a href="#">Roles and Responsibilities</a> Table provided in this Incident Action Plan</p>
<b>6. Recommended Strategies and Tactics</b>
<ul style="list-style-type: none"> <li>Establish Operations Section Wildlife Branch to respond to oiled wildlife</li> <li>USFWS and/or state resource managers will oversee wildlife rehabilitation (RP Contractor)</li> <li>USFWS and/or state resource managers will salvage dead wildlife</li> <li>USFWS and/or state resource managers will report location of oil, high wildlife use areas, and protection needs for sensitive natural resources.</li> <li></li> </ul>
<b>7. Incident-Specific Assignments</b>
<div></div>
<b>8. Special Instructions for Division/Group</b>

<b>9. Operations Personnel</b>						
<b>Title</b>	<b>Name</b>	<b>Affiliation</b>	<b>Emergency Contact #</b>	<b>Contact # (s)</b>		
_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____		
<b>Communications:</b> Refer to the <a href="#">Ohio River – Paducah/Metropolis Sub-Area Spill Response Plan Emergency Contact List</a> provided in this Incident Action Plan						
<b>10. Resource Summary</b>						
<b>ID</b>	<b>Resource Type</b>	<b>Description/ Location</b>	<b>Quantity</b>	<b>Size</b>	<b>Status</b>	<b>Notes/ Comments</b>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
<b>11. Additional Information</b>						
<b>Prepared By:</b> (Name/Title) _____				<b>Date/Time:</b> _____		
<b>Approved by:</b> (Name/Title) _____				<b>Date/Time:</b> _____		

1. Incident name:  _____	2. Operational Period # 2		<b>ICS – 204</b> <b>ASSIGNMENT LIST</b> <b>The Great Rivers -</b> <b>Paducah/Metropolis Spill</b> <b>Response Plan</b>
	3. Section	<b>Operations</b>	
	4. Division/Group	<b>Reconnaissance &amp; Monitoring</b>	

5. Agencies Involved in Reconnaissance & Monitoring Group

Agencies that might play a role in Reconnaissance and Monitoring Group:

- Responsible Party/Facility/Industry/Contractors
- Illinois Environmental Protection Agency (IEPA)
- Illinois Department of Natural Resources (IDNR)
- Kentucky Department of Environmental Protection (KDEP)
- Kentucky Fish & Wildlife
- U.S. Environmental Protection Agency (U.S. EPA) Region 5/Region 4
- U.S. Coast Guard (USCG)
- ORSANCO

Agency General Roles and Responsibilities: Refer to the [Roles and Responsibilities](#) Table provided in this Incident Action Plan

6. Recommended Strategies and Tactics

- Establish & Deploy Reconnaissance Team(s)
- Joint reconnaissance with local authorities
- Air- flight reconnaissance and reporting
- Consider variety of resources for reconnaissance such as local, state, federal or private air recon, NOAA, or private resources to provide spill's trajectory
- Wildlife Reconnaissance and Recovery Teams provide real time field situational updates on the location of oil and related environmental impacts to the Planning Section Environmental Unit to help direct Shoreline Cleanup Assessment Technique (SCAT)
- Conduct air monitoring and water sampling. Conduct perimeter air sampling, water sampling at scene and down river
- Conduct monitoring with the Planning Section's Environmental Unit and the NRDAR Liaison.
- Use Illinois or Kentucky Inland Sensitivity Maps
- Identify culturally sensitive sites in the vicinity of a spill; can be accomplished by contacting the appropriate State Historic Preservation Officer (SHPO).

7. Incident-Specific Assignments

8. Special Instructions for Division/Group

9. Operations Personnel						
Title	Name	Affiliation	Emergency Contact #	Contact # (s)		
_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____		
_____	_____	_____	_____	_____		
Communications: Refer to <a href="#">The Great Rivers - Paducah/Metropolis Spill Response Plan</a> provided in this Incident Action Plan						
10. Resource Summary						
ID	Resource Type	Description/ Location	Quantity	Size	Status	Notes/ Comments
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
11. Additional Information						
Prepared By: (Name/Title) _____				Date/Time: _____		
Approved by: (Name/Title) _____				Date/Time: _____		

Incident name:	Operational Period # 2			ICS – 205 INCIDENT COMMUNICATION PLAN The Great Rivers - Paducah/Metropolis Spill Response Plan
	From		To	

Position	Name	Phone	e-mail	Current Location	Radio Frequency
<b>Incident Commander and Staff</b>					
Incident Commander(s)					
Safety Officer					
Information Officer					
Liaison Officer					
<b>Water Operations Section Chief</b>					
<b>Land-Source Section Chief</b>					
<b>Wildlife Branch Section Chief</b>					
<b>Logistics Section Chief</b>					
<b>Planning Section Chief</b>					
<b>Law Enforcement Section Chief</b>					
Prepared By: (Name/Title)	_____		Date/Time:		_____
Approved By: (Name/Title)	_____		Date/Time:		_____



## The Great Rivers - Paducah/Metropolis Spill Response Plan EMERGENCY CONTACT LIST

ORGANIZATION	NAME	EMERGENCY #	OFFICE #	E-Mail	Other(Radio)
<b>Local</b>					
<b>911</b>					
Massac County Illinois LEPC		618.524.2002			
Pope County Illinois LEPC		618.683.4321			
Livingston County Kentucky LEPC		270.928.3177			
McCracken County Kentucky LEPC		270.444.1333			
ORSANCO	Sam Dinkins	513.509.2972	513.231.7719		
<b>Private</b>					
Wildlife Rehabilitation Contractors	Focus Wildlife	800.578.3048		Link to website: <a href="http://www.focuswildlife.net/">http://www.focuswildlife.net/</a>	
<b>State</b>					
Illinois Emergency Management Agency (IEMA)	IEMA Communication Information Center	800.782.7860	217.782.2700		
Illinois Environmental Protection Agency (Illinois EPA)	Office of Emergency Response (OER)	Business Hrs: 217.782.3637 After Business Hrs: 217.782.7860	217.782.3637	Illinois Environmental Protection Agency	
Illinois DNR – Division of Fish and Wildlife					
Illinois Historic Preservation Office			217.782.4836	Illinois Historic Preservation Office	
Illinois Homeland Security					
Kentucky Department of Environmental Protection			502.564.2150		
Kentucky Emergency Management (KYEM)	KYEM Communication Information Center	800.255.2587	800.255.2587		
Kentucky Department of Fish & Wildlife	Fish & Wildlife Communications Center	800.252.5378	800.252.5378		
Kentucky State Historic Preservation Office	Craig Potts		502.564.7005	<a href="mailto:Craig.potts@ky.gov">Craig.potts@ky.gov</a>	
Kentucky Office of Homeland Security			502.564.2081		
ORGANIZATION	NAME	EMERGENCY #	OFFICE #	Email	Other(Radio)
<b>Federal</b>					
<b>National Response Center</b>	<b>National Response Center</b>	<b>800.424.8802</b>	<b>800.424.8802</b>		
U.S. EPA – Region 5	U.S. EPA Region 5	312.353.2318 (24-hr spill number)	312.353.2318		
U.S. EPA – Region 5	OSC Kevin Turner	513.260.7849	513.569.7539	<a href="mailto:turner.kevin@epa.gov">turner.kevin@epa.gov</a>	
U.S. EPA – Region 4	U.S. EPA Region 4	404.562.8700 (24-hr spill number)	800.564.7577		
U.S. EPA – Region 4	OSC Steve Spurlin	502.905.7559	502.582.5161	<a href="mailto:spurlin.steve@epa.gov">spurlin.steve@epa.gov</a>	
USCG	Sector Ohio Valley	800.253.7465	502.779.5422 (24 hr) 502.779.5424 (24 hr)		VHF Channel 13, 16
USCG	Marine Safety Unit (MSU) Paducah	270.217.0959	(270) 217-0959		VHF Channel 13, 16
USCG National Strike Team	Atlantic Strike Team (for IL)	609.724.0008			VHF Channel 13, 16
USCG National Strike Team	Gulf Strike Team (for KY)	251.441.6601			VHF Channel 13, 16
DOI (Region 5 contact)	U.S. Department of the Interior	215.266.5155	215.266.5155		
DOI (Region 4 contact)	Joyce Stanley - U.S. Department of the Interior	404.852.5414	404.331.4524		
U.S. Army Corps of Engineers	Nashville District		615.736.7161		

	Tennessee & Cumberland Rivers				
U.S. Army Corps of Engineers	Louisville District Ohio River mile marker 438 to 981		502.315.6911		
U.S. Army Corps of Engineers	Smithland Dam Ohio River mile marker 918.5 Smithland, KY		502.315.6695		
U.S. Army Corps of Engineers	Lock & Dam Number 52 Ohio River mile marker 939 Brookport, IL		502.615.6695		
NOAA – Wilmington Ohio Weather Forecast Office	8250 Kentucky highway 3520, West Paducah, KY		270.744.6440		
<b>Hospitals</b>					
Baptist Health Paducah 2501 Kentucky Ave Paducah, KY 42003	For responses in the following Kentucky Counties:  McCracken County Livingston County		270-575-2100	<a href="http://www.baptisthealth.com">http://www.baptisthealth.com</a>	
Mercy Health Lourdes Hospital 1530 Lone Oak Rd Paducah, KY 42003	McCracken County Livingston County		270-444-2444	<a href="http://www.elourdes.com">http://www.elourdes.com</a>	
Massac Memorial Hospital 28 Chick St Metropolis, IL 62960	For the following Illinois counties:  Massac County Pope County		618-524-2176	<a href="http://www.massachealth.org/">www.massachealth.org/</a>	
Hardin County General Hospital Fairview Rd Rosiclare, IL 62982	Pope County		937.378.7500	<a href="http://www.ilcgh.org/">http://www.ilcgh.org/</a>	

1. Incident name:	2. Operational Period # 2			<b>ICS – 206 MEDICAL PLAN</b> <b>The Great Rivers - Paducah/Metropolis</b> <b>Spill Response Plan</b>
	From		To	

### 3. First Aid Stations

Name	Location	EMT (On-Site)		Phone	Radio
		Yes	No		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		

### 4. Transportation (Ground and/or Ambulance Services)

Name	Location	EMT (On-Site)		Phone	Radio
		Yes	No		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>		

### 5. Hospitals

Name	Location	Helipad		Burn Center		Phone	Radio
		Yes	No	Yes	No		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

### 6. Special Medical Emergency Procedures

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Prepared By: (Name/Title) _____	Date/Time: _____
Approved by: (Name/Title) _____	Date/Time: _____

1. Incident name: _____	2. Operational Period # 2				<b>ICS – 223 HEALTH AND SAFETY MESSAGE</b> <b>The Great Rivers - Paducah/Metropolis Spill</b> <b>Response Plan</b>
	From	_____	To	_____	

<b>3. Potential Hazards</b>
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<b>4. General Safety Concerns</b>
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<b>5. Additional Information</b>
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**A site-specific health & safety plan must be developed at the onset of a response action to ensure the health and safety of response personnel. The FOSC is responsible for the overall site health and safety concerns. The FOSC or his/her delegate, should monitor all health and safety related issues. Safety guidelines concerning worker health and safety are outlined in 29 CFR 1910.120 and shall be consulted in the development of the health and safety plan.**

Prepared By: (Name/Title) _____	Date/Time: _____
Approved by: (Name/Title) _____	Date/Time: _____

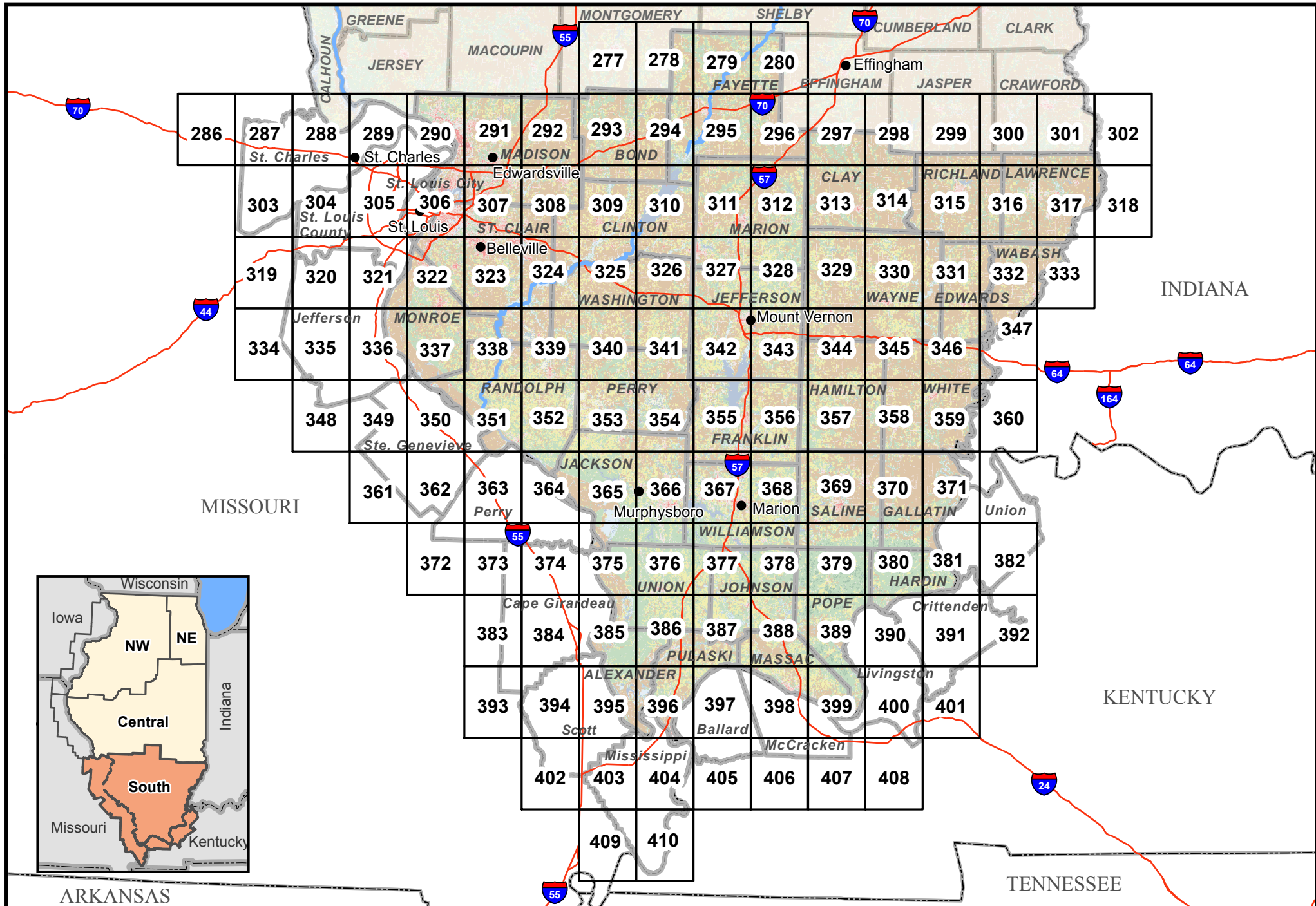
1. Incident name: _____	2. Operational Period # 2		<b>ICS – 214 UNIT ACTIVITY LOG</b> <b>The Great Rivers - Paducah/Metropolis</b> <b>Spill Response Plan</b>
	From	To	
3. Unit name: _____	4. Unit Leader: _____		

5. Instructions for completing the form		
Field #	Field Title	Instructions
1.	Unit Name	<b>For individuals:</b> Enter tactical call (e.g. Checkpoint #, County EOC, etc.) or position name <b>For teams:</b> Enter the name of the organization unit or tactical call sign or resource designator
2.	Unit Leader	<b>For individuals:</b> Enter your name and call sign <b>For teams:</b> Enter the name, call sign and ICS position of the individual in charge of the unit
3.	Personnel Assigned	<b>For individuals:</b> Leave blank <b>For teams:</b> List the name, ICS position and home base/city of each member assigned to the unit during the operation period
4.	Activity Log	<b>Time:</b> Enter the local time 24-hour format <b>Activity:</b> Briefly describe each significant activity or event (e.g. task assignments, task completions, injuries, difficulties encountered, etc.).
6. Personnel Assigned		
NAME	ICS POSITION	HOME BASE/ CITY
7. Activity Log		
TIME	MAJOR EVENTS	
Prepared By: (Name/Title) _____		Date/Time: _____
Approved by: (Name/Title) _____		Date/Time: _____

**ATTACHMENT 1**

**ILLINOIS & KENTUCKY INLAND SENSITIVITY MAPS  
(SEE SUBFOLDER CONTAINING MAPS  
ON THE U.S. EPA PROJECT WEBSITE)**

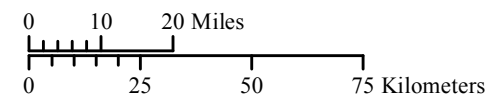
**OHIO RIVER MILE MARKER 918.5 TO 956**



**Click on the numbered rectangle to view the Sensitivity Map for that area.**

*Data may extend beyond the state boundary to the map tile edges.*


















*These data are from adjacent mapping areas, and may be in draft form.*


















# MAP LEGEND





## SENSITIVE SPECIES

 Aquatic/Riparian Zone	 Terrestrial Zone
 Plant	 Plant
 Bird	 Bird
 Amphibian and/or Reptile	 Amphibian and/or Reptile
 Mammal	 Mammal
 Invertebrate	 Invertebrate
 Fish	 Natural Community
 Natural Community	
 Multiple Species Grouping	 Icon Indicating Threatened or Endangered Status

## NATURAL RESOURCE AREAS

 Federal Managed Area	 Federal Designated Area
 State Managed Area	 State Designated Area
 Regional Managed Area	 Regional Designated Area
 Private Managed Area	 Private Designated Area
 Other Environmentally Sensitive Aquatic Area	
 Other Environmentally Sensitive Terrestrial Area	
 Sole Source Aquifers	 Trout Stream
 Tribal Land	





## OTHER SENSITIVE RESOURCES

	○ Marina
	○ Navigational Lock or Dam
	○ Water Intake (nonpotable)
	○ Water Intake (potable)

## SHORELINE SENSITIVITY

	Low Sensitivity
	Low-Medium Sensitivity
	Medium-High Sensitivity
	High Sensitivity




## POTENTIAL SPILL SOURCES

	● Fixed Oil Storage Facility
	● Marine Transfer Facility and/or Facility with more than 1 million gallons
	● Hazardous Materials Site
	● Pipeline




## RESPONSE STRATEGIES

	○ Containment Site		○ Other Site
	○ Diversion Site		○ Boom Cache
	○ Exclusion Site		○ Outfall Site

## RESPONSE CONSIDERATIONS

	Boat Access
	Non-navigational Dam
	Historic Site (Data only, not shown on maps)

## BOUNDARY DESIGNATIONS

	County Boundary
	EPA/Coast Guard Jurisdictional Boundary
	Pipeline Inset Boundary







## Illinois Atlas - Map 387

### Sensitive Species

*For a complete listing of species groupings, refer to Appendix B*

Listing	Contact Name	Contact Phone	Emergency Phone
Federal	U.S. Fish and Wildlife Service	502-695-0468 Kentucky Ecological Services Field Office	404-679-7085 Region 4 Spill Response Coordinator
Federal	U.S. Fish and Wildlife Service	309-757-5800 Rock Island Ecological Field Office	612-713-5104 Region 3 Spill Response Coordinator
State	Illinois Department of Natural Resources	217-782-2685 Natural Heritage Database Program	217-782-7860 Illinois Emergency Management Agency
State	Kentucky Energy and Environment Cabinet	502-573-2886 State Nature Preserves Commission	800-928-2380 Kentucky Dept. for Environmental Protection

2013 Illinois Natural Heritage Data provided by the NatureServe. To simplify the maps, rare species and most natural communities are represented at "point locations". As such, the hexagons DO NOT represent the full extent of any species or community occurrence. In particular, it should be assumed that mobile species likely occur throughout suitable habitat in the vicinity of the point representation.

### Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S1121	Cache River State Natural Area	IL Department of Natural Resources	Cache River; Cypress Creek; Dutchman Creek; Little Black Slough		618-657-2064	<b>800-782-7860; 217-782-7860</b>
P1122	Cache River Wetlands Private Nature Preserve	The Nature Conservancy	Cache River; Limekiln Slough; unnamed wetlands	2,672 acres consisting of cypress and tupelo swamps. One of 15 Wetlands of International Importance.	309-636-3300	<b>800-782-7860</b>
F1850	Cypress Creek National Wildlife Refuge	US Fish & Wildlife Service	Cache River; Cypress Creek; Mississippi River; Ohio River; multiple creeks	Contains the 1000 acre Frank Bellrose Waterfowl Reserve, which is closed to the public. Refuge includes some of the most diverse communities of bottomland forest in the state.	618-634-2231	<b>612-702-9581</b>

## Illinois Atlas - Map 387

### Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S1953	<b>Deer Pond</b> State Natural Area	IL Department of Natural Resources	Dutchman Creek	Satellite of Ferne Clyffe State Park. 251 acre site is mostly wooded.	618-995-2411	<b>800-782-7860; 217-782-7860</b>
P1122	<b>Lower Cache River Macrosite</b> Private Nature Preserve	The Nature Conservancy	Cache River; Limekiln Slough		309-636-3300	<b>217-782-7860</b>
F7509	<b>Shawnee</b> National Forest	US Forest Service	Mississippi River; Ohio River; multiple lakes, rivers, streams, and wetlands	Approximately 286,400 acres of deciduous forest and rolling bluffslands.	618-253-7114	<b>618-833-5500; 618-684-2177 (Co. Sheriffs)</b>
S8492	<b>Tunnel Hill</b> Trail and Greenway	IL Department of Natural Resources	Cache River; Sugar Creek	Site office is located on Hwy 146 on the E side of Vienna.	618-658-2168	<b>800-782-7860; 217-782-7860</b>

## Illinois Atlas - Map 387

### *Special Designated Areas*

Icon	Designated Area Name	Designating Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S3077	<b>Cache River</b> State Land and Water Reserve	Illinois Nature Preserves Commission	Cache River; Cave Creek; Cypress Creek; Post Creek Cutoff		217-785-8686	<b>800-782-7860; 217-782-7860</b>
S3077	<b>Cache River</b> State Land and Water Reserve	Illinois Nature Preserves Commission	Cache River; Cave Creek; Cypress Creek; Post Creek Cutoff		217-785-8686	<b>800-782-7860; 217-782-7860</b>
S3077	<b>Cache River</b> State Land and Water Reserve	Illinois Nature Preserves Commission	Cache River; Cave Creek; Cypress Creek; Post Creek Cutoff		217-785-8686	<b>800-782-7860; 217-782-7860</b>
S3077	<b>Cache River</b> State Land and Water Reserve	Illinois Nature Preserves Commission	Cache River; Cave Creek; Cypress Creek; Post Creek Cutoff		217-785-8686	<b>800-782-7860; 217-782-7860</b>
S3317	<b>Cave Creek Glade</b> State Nature Preserve	Illinois Nature Preserves Commission	Cave Creek	25 acre high quality limestone glade.	217-785-8686	<b>800-782-7860; 217-782-7860</b>
S4272	<b>Deer Pond</b> State Nature Preserve	Illinois Nature Preserves Commission	n/a	61.5 acre bald cypress swamp.	217-785-8686	<b>800-782-7860; 217-782-7860</b>
S5690	<b>Grassy Slough</b> State Land and Water Reserve	Illinois Nature Preserves Commission	Cache River; Old Cache River	Site owned by the Illinois Audubon Society.	217-785-8686	<b>800-782-7860; 217-782-7860</b>
S5690	<b>Grassy Slough</b> State Land and Water Reserve	Illinois Nature Preserves Commission	Cache River; Old Cache River	Site owned by the Illinois Audubon Society.	217-785-8686	<b>800-782-7860; 217-782-7860</b>
S6062	<b>Heron Pond-Little Black Slough</b> State Nature Preserve	Illinois Nature Preserves Commission	Cache River; Dutchman Creek; Little Black Slough		217-785-8686	<b>800-782-7860; 217-782-7860</b>

## Illinois Atlas - Map 387

### *Special Designated Areas*

Icon	Designated Area Name	Designating Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S6062	<b>Heron Pond-Little Black Slough</b> State Nature Preserve	Illinois Nature Preserves Commission	Cache River; Dutchman Creek; Little Black Slough		217-785-8686	<b>800-782-7860; 217-782-7860</b>
F14627	<b>Rabbitsfoot Mussel Critical Habitat Unit RF20</b> Critical Habitat	US Fish and Wildlife Service	Ohio River	Rabbitsfoot Mussel Critical Habitat Unit RF20	309-757-5800	<b>612-713-5104; 612-713-5103</b>
S11142	<b>Section 8 Woods</b> State Nature Preserve	Illinois Nature Preserves Commission	Cache River		217-785-8686	<b>800-782-7860; 217-782-7860</b>
S11142	<b>Section 8 Woods</b> State Nature Preserve	Illinois Nature Preserves Commission	Cache River		217-785-8686	<b>800-782-7860; 217-782-7860</b>

## Illinois Atlas - Map 387

### *Other Environmentally Sensitive Areas*

Icon	Sensitive Area Name	Contact Agency	Waterbody	Comments	Contact Phone	Emergency Phone
O188	Forest Block > 500 Ac.	Illinois Department of Natural Resources	Little Black Slough	N/A	217-782-6302	<b>217-782-6431</b>
O188	Forest Block > 500 Ac.	Illinois Department of Natural Resources	Little Black Slough	N/A	217-782-6302	<b>217-782-6431</b>
O514	Rookery	Illinois Department of Natural Resources	Little Black Slough	N/A	217-782-6302	<b>217-782-6431</b>
O514	Rookery	Illinois Department of Natural Resources	Little Black Slough	N/A	217-782-6302	<b>217-782-6431</b>
O883	Cache River	Illinois Department of Natural Resources	Cache River	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>
O883	Post Creek Cutoff 1	Illinois Department of Natural Resources	Post Creek Cutoff	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>
O883	Dutchman Creek	Illinois Department of Natural Resources	Dutchman Creek	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>
O883	Post Creek Cutoff 2	Illinois Department of Natural Resources	Post Creek Cutoff	A-B Rating for Biological Significance	217-785-4325	<b>217-782-6431</b>
O883	Little Cache Creek	Illinois Department of Natural Resources	Little Cache Creek	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>
O883	Cypress Creek	Illinois Department of Natural Resources	Cypress Creek	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>

### *Surface Water Intakes*

Icon	Name, Operator	Street Address	Waterbody, River Mile	Water Use	Reserve Capacity	Intake Info/ Number of	Comments	Contact Phone	Emergency Phone
W1621	Vienna	204 S 1st St.	Vienna Reservoir	Public Water Supply	none			618-658-3821	<b>618-658-8264, Sheriff's office</b>
	City of Vienna	Vienna, IL 62995	n/a						

## Illinois Atlas - Map 387

### Pipelines

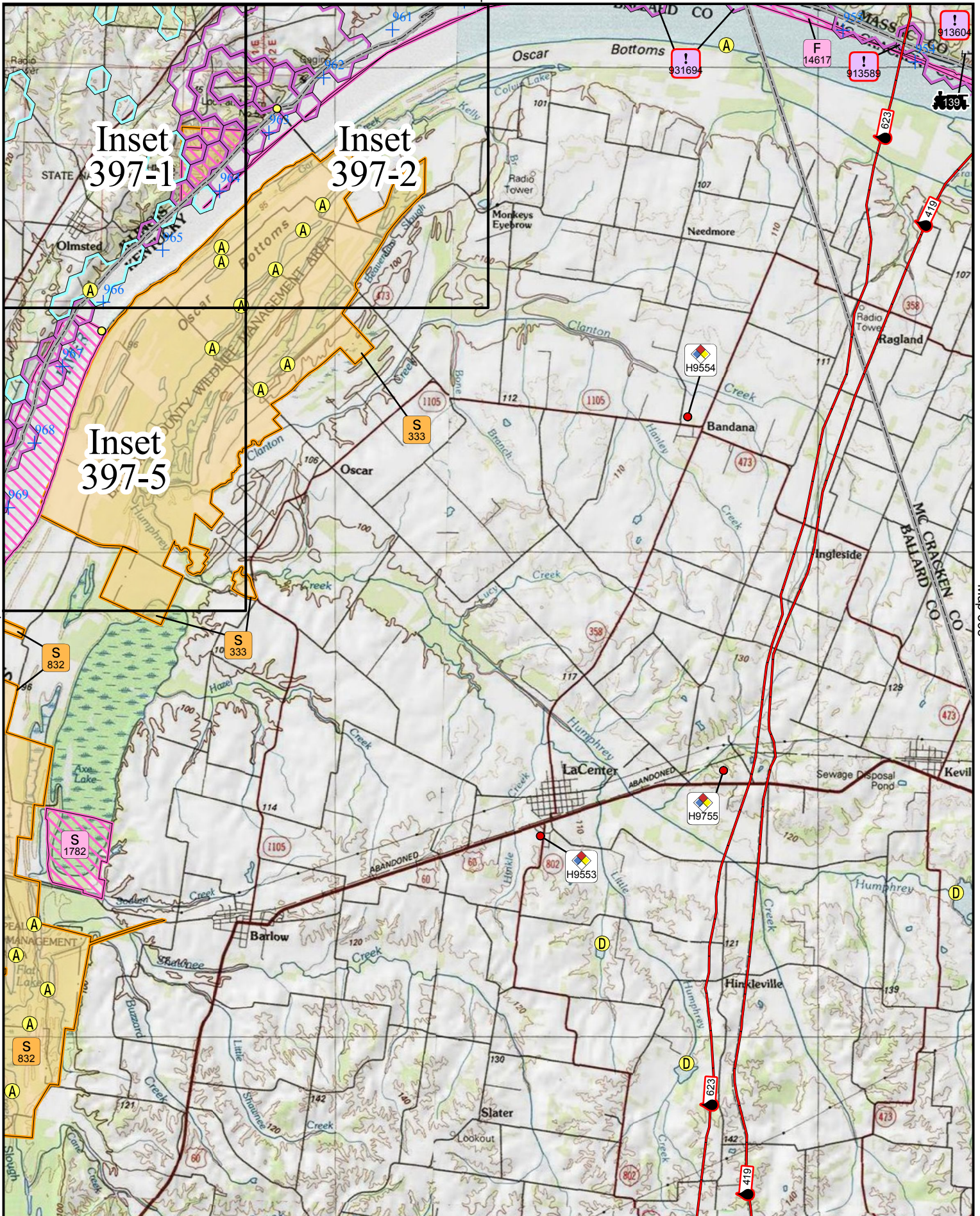
Icon	Company Name, Route Name	Diameters (in)	Products Carried	Contact Phone	Emergency Phone
PL623	<b>Marathon Pipe Line, LLC</b> Capline 40IN Crude	40	CRD	419-421-4600	<b>800-537-6644</b>

### Hazardous Materials Storage Sites

*For a list of chemicals, refer to the Hazardous Materials database*

Icon	Name, Operator	Street Address	City, State, Zip	Contact Phone	Emergency Phone
H7838	<b>Southern FS - Boles</b> Southern FS, Inc.	140 IL-37	Boles, IL 62909	618-658-8326; 618-993-2833	<b>618-658-8331</b>
H10563	<b>Southern FS - Karnak NH3 Plant</b> Southern FS, Inc.	4736 IL-169	Karnak, IL 62956	618-993-2833	<b>618-748-9437</b>

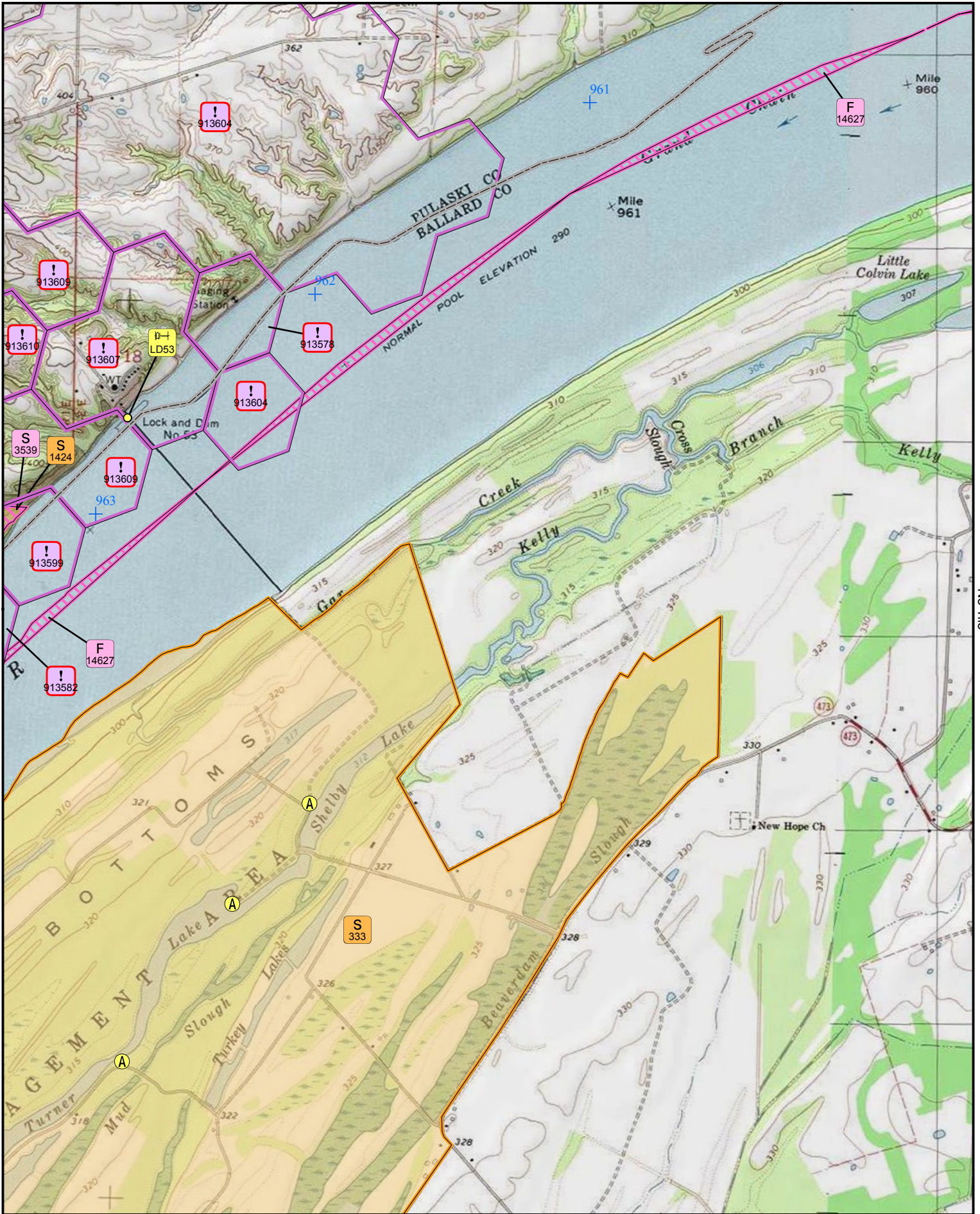










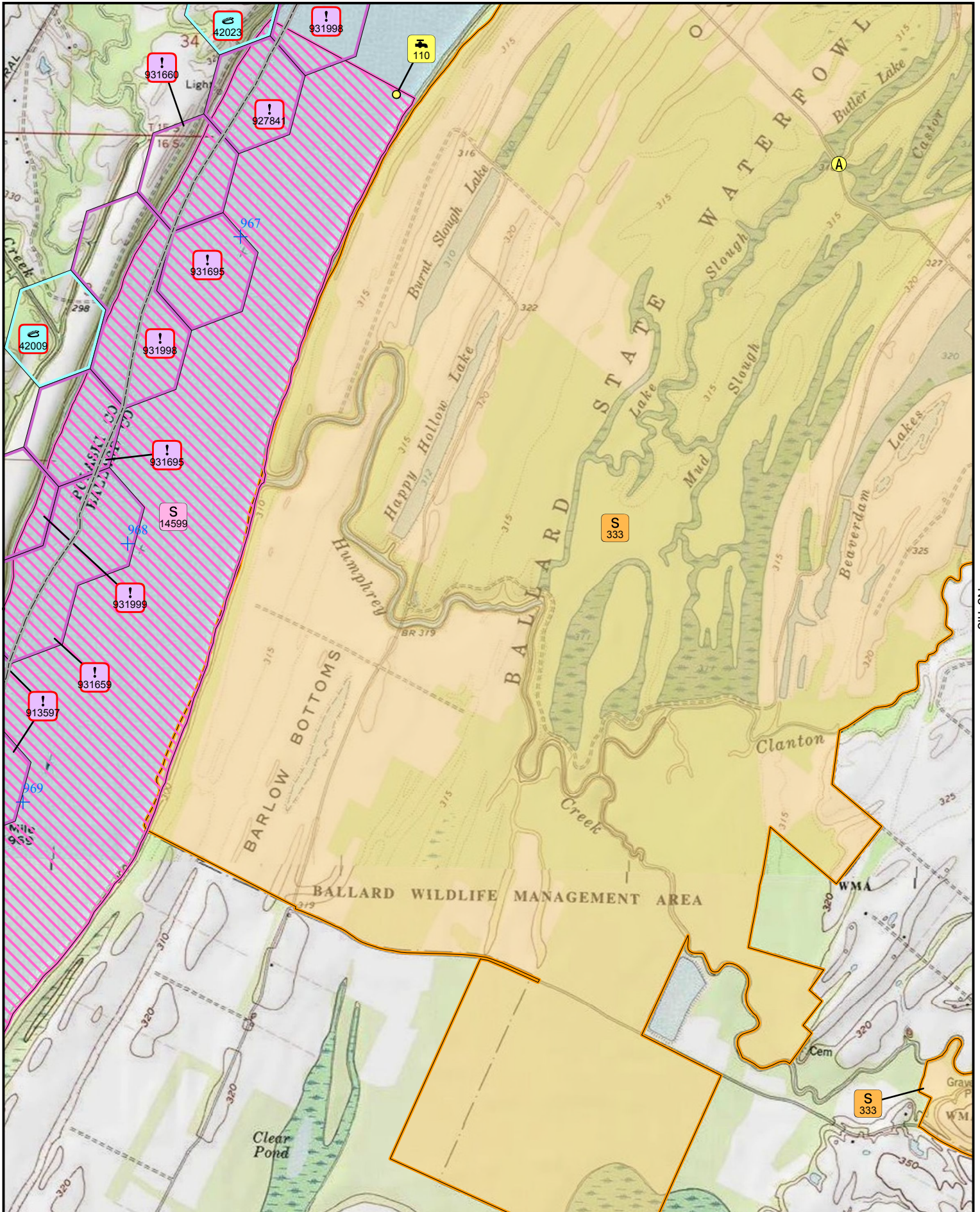


Inset 397-1

No Tile







Inset 396-8

No Tile

## Illinois Atlas - Map 397

### *Sensitive Species*

*For a complete listing of species groupings, refer to Appendix B*

Listing	Contact Name	Contact Phone	Emergency Phone
Federal	U.S. Fish and Wildlife Service	502-695-0468 Kentucky Ecological Services Field Office	404-679-7085 Region 4 Spill Response Coordinator
Federal	U.S. Fish and Wildlife Service	309-757-5800 Rock Island Ecological Field Office	612-713-5104 Region 3 Spill Response Coordinator
State	Illinois Department of Natural Resources	217-782-2685 Natural Heritage Database Program	217-782-7860 Illinois Emergency Management Agency
State	Kentucky Energy and Environment Cabinet	502-573-2886 State Nature Preserves Commission	800-928-2380 Kentucky Dept. for Environmental Protection

2013 Illinois Natural Heritage Data provided by the NatureServe. To simplify the maps, rare species and most natural communities are represented at "point locations". As such, the hexagons DO NOT represent the full extent of any species or community occurrence. In particular, it should be assumed that mobile species likely occur throughout suitable habitat in the vicinity of the point representation.

### *Managed Areas*

Icon	Managed Area Name	Managing Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S333	<b>Ballard</b> Wildlife Management Area	KY Dept. of Fish and Wildlife Resources	Clanton Creek; Humphrey Creek; Ohio River; multiple lakes		270-224-2244	<b>800-255-2587</b>
S333	<b>Ballard</b> Wildlife Management Area	KY Dept. of Fish and Wildlife Resources	Clanton Creek; Humphrey Creek; Ohio River; multiple lakes		270-224-2244	<b>800-255-2587</b>
S832	<b>Boatwright</b> Wildlife Management Area	KY Dept. of Fish and Wildlife Resources	Ohio River; multiple lakes and streams		270-224-2244	<b>800-255-2587</b>
S832	<b>Boatwright</b> Wildlife Management Area	KY Dept. of Fish and Wildlife Resources	Ohio River; multiple lakes and streams		270-224-2244	<b>800-255-2587</b>

## Illinois Atlas - Map 397

### Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S1424	<b>Chestnut Hills</b> State Natural Area	IL Department of Natural Resources	Ohio River	Access to preserve is difficult due to surrounding private land.	618-634-2545	<b>800-782-7860; 217-782-7860</b>

### Special Designated Areas

Icon	Designated Area Name	Designating Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S1782	<b>Axe Lake Swamp</b> State Nature Preserve	Kentucky State Nature Preserves Commission	Axe Lake; Clear Lake; Sodom Creek	Access by written permission only.	502-573-2886	<b>314-331-8567</b>
S3539	<b>Chestnut Hills</b> State Nature Preserve	Illinois Nature Preserves Commission	Ohio River	This preserve is surrounded by private land and public access is difficult. Visitors should contact the Natural Heritage Biologist before entering the	217-785-8686	<b>800-782-7860; 217-782-7860</b>
S14599	<b>Ohio River (RM 966.3 to 969.5)</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Hodges Creek; Humphrey Creek; Ohio River		502-564-3410	<b>314-331-8567</b>
F14627	<b>Rabbitsfoot Mussel Critical Habitat Unit RF20</b> Critical Habitat	US Fish and Wildlife Service	Ohio River	Rabbitsfoot Mussel Critical Habitat Unit RF20	309-757-5800	<b>612-713-5104; 612-713-5103</b>

### Navigation Locks and Dams

Icon	Name	Street Address	Waterbody	Contact Phone	Emergency Phone
LD53	<b>Lock &amp; Dam #53</b>	Dam 53 Rd. Olmsted, IL 62970	Ohio River 962.6 RDB	618-742-8286	<b>800-424-8802</b>

## Illinois Atlas - Map 397

### Surface Water Intakes

Icon	Name, Operator	Street Address	Waterbody, River Mile	Water Use	Reserve Capacity	Intake Info/ Number of	Comments	Contact Phone	Emergency Phone
W110	<b>Ballard Wildlife Mgmt. Area Water Intake</b>  Kentucky Dept. of Fish and Wildlife	864 Wildlife Lodge Rd.  LaCenter, KY 42056	Ohio River  965.6 LDB	Fish and Wildlife	0	One intake at 8 ft. depth		270-224-2244	<b>800-928-2380; 502-564-2380</b>

### Pipelines

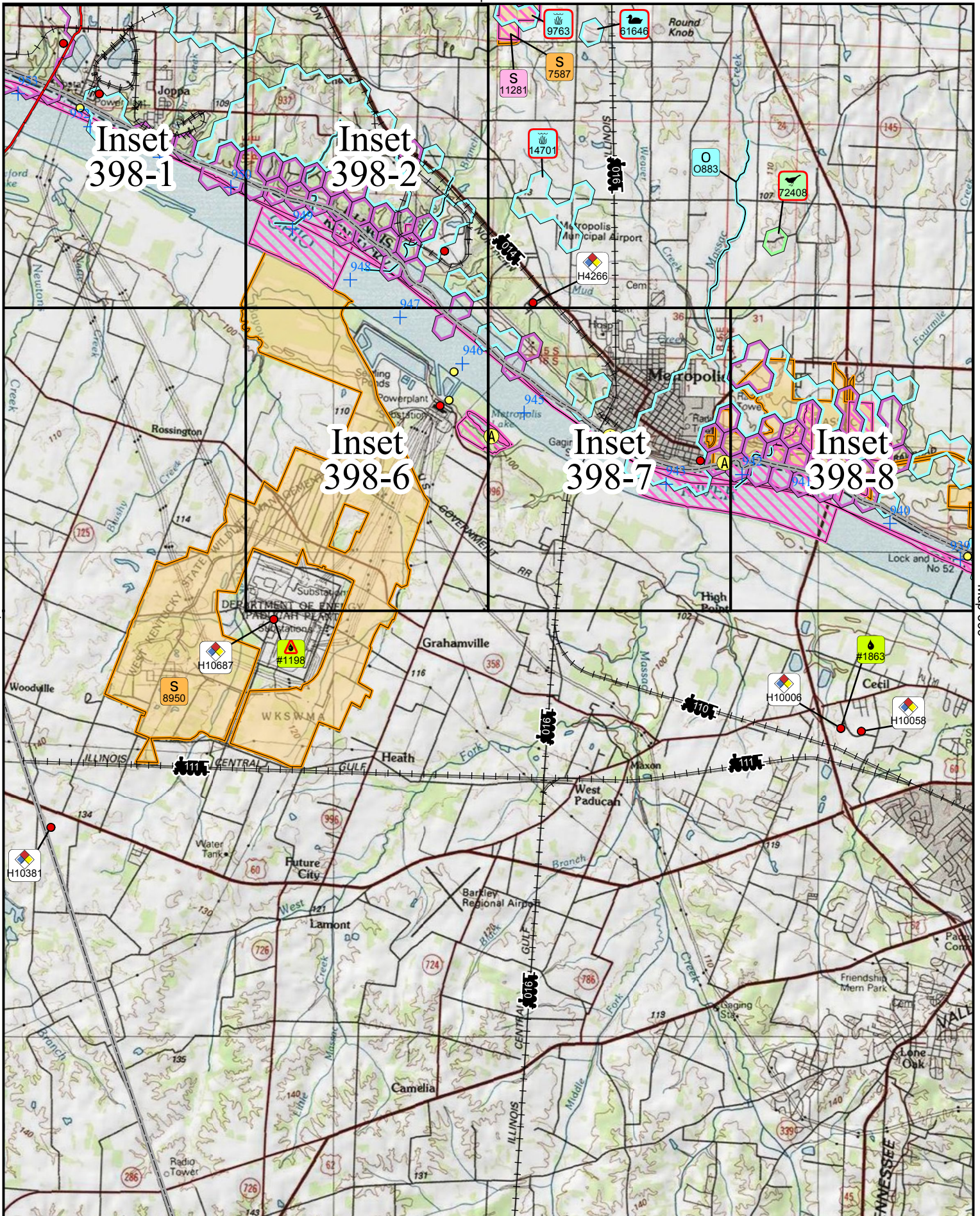
Icon	Company Name, Route Name	Diameters (in)	Products Carried	Contact Phone	Emergency Phone
PL419	<b>Marathon Pipe Line, LLC</b>  Beaumont - Creal Springs 24IN-26IN Prod		PRD	419-421-4600	<b>800-537-6644</b>
PL623	<b>Marathon Pipe Line, LLC</b>  Capline 40IN Crude	40	CRD	419-421-4600	<b>800-537-6644</b>

### Hazardous Materials Storage Sites

*For a list of chemicals, refer to the Hazardous Materials database*

Icon	Name, Operator	Street Address	City, State, Zip	Contact Phone	Emergency Phone
H9553	<b>Ballard County Co-op</b>  Ballard County Co-op	475 W Kentucky Dr.	La Center, KY 42056-0329	270-335-3066; 270-665-5101	<b>270-665-9928</b>
H9554	<b>Bandana Ag, Inc.</b>  Bandana Ag, Inc.	100 Needmore Rd.	La Center, KY 42056	270-224-2134; 270-665-5505	<b>270-665-9928</b>
H9755	<b>CPS - Kevil</b>  Crop Production Services, Inc.	6696 Paducah Rd.	Kevil, KY 42053	270-334-8276; 270-665-9277; 970	<b>270-665-9928</b>





Inset  
398-1

Inset  
398-2

Inset  
398-6

Inset  
398-7

Inset  
398-8

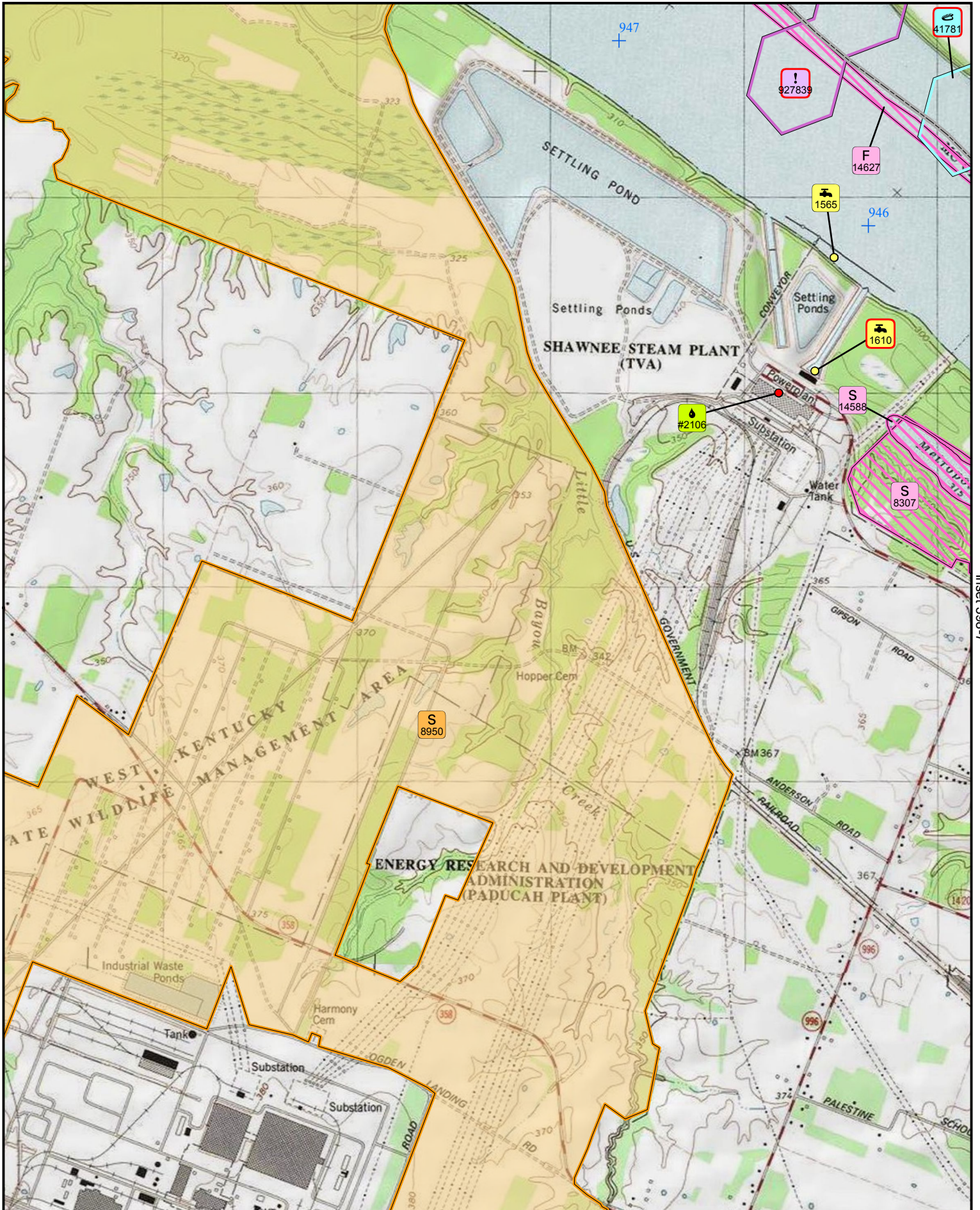




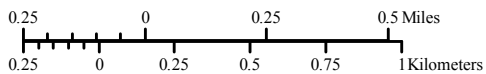








April 2017  
Scale 1:25,000



No Tile



Legend

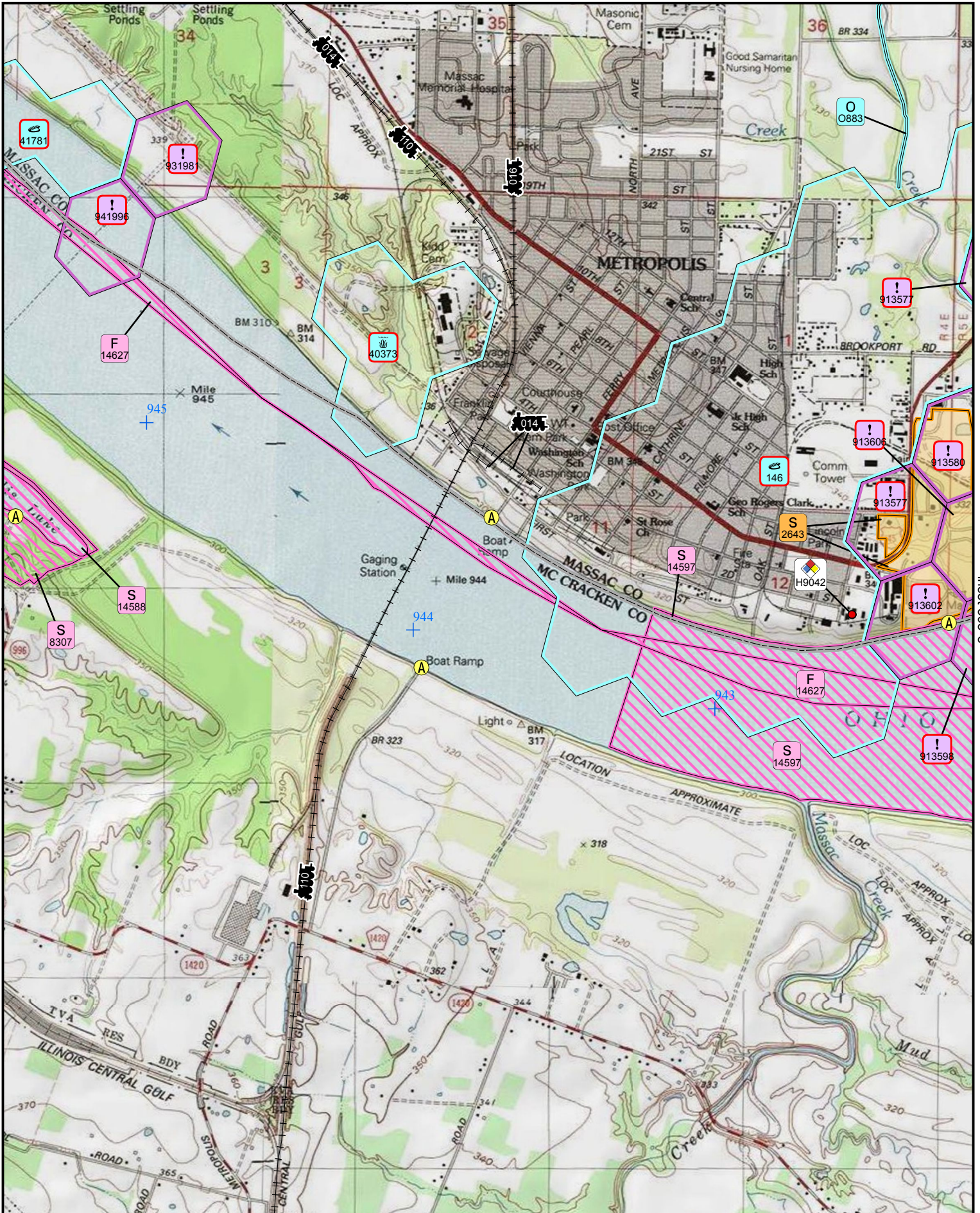
Table

Help

Illinois  
Inset 398-6



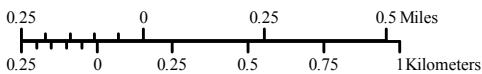
No Tile



Inset 398-6

Inset 398-8

April 2017  
Scale 1:25,000



No Tile



Legend

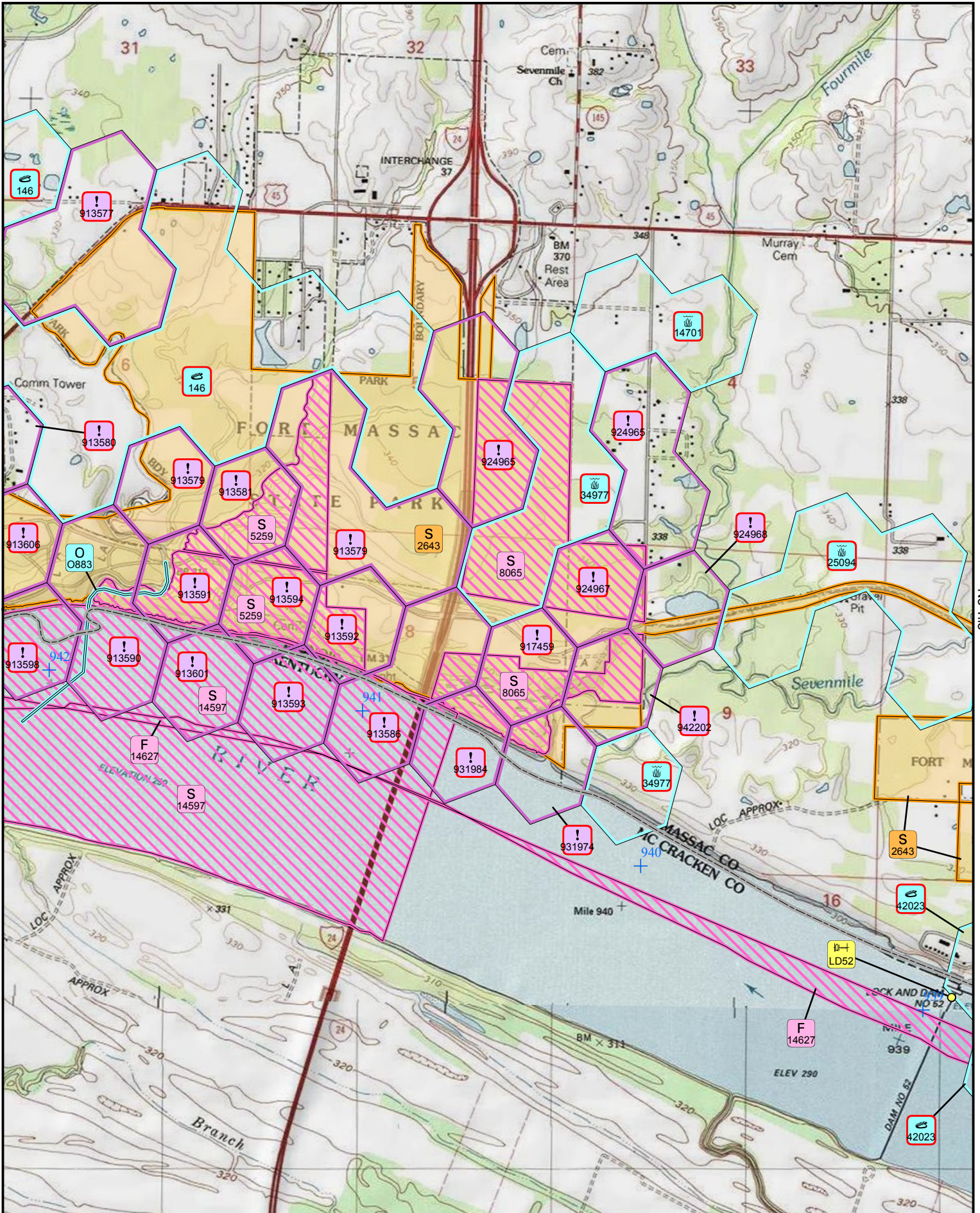
Table

Help

Illinois  
Inset 398-7



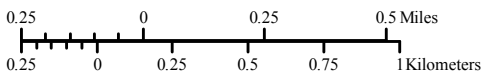
No Tile



Inset 398-7

No Tile

April 2017  
Scale 1:25,000



No Tile



Legend

Table

Help

Illinois  
Inset 398-8



## Illinois Atlas - Map 398

### Sensitive Species

*For a complete listing of species groupings, refer to Appendix B*

Listing	Contact Name	Contact Phone	Emergency Phone
Federal	U.S. Fish and Wildlife Service	502-695-0468 Kentucky Ecological Services Field Office	404-679-7085 Region 4 Spill Response Coordinator
Federal	U.S. Fish and Wildlife Service	309-757-5800 Rock Island Ecological Field Office	612-713-5104 Region 3 Spill Response Coordinator
State	Illinois Department of Natural Resources	217-782-2685 Natural Heritage Database Program	217-782-7860 Illinois Emergency Management Agency
State	Kentucky Energy and Environment Cabinet	502-573-2886 State Nature Preserves Commission	800-928-2380 Kentucky Dept. for Environmental Protection

2013 Illinois Natural Heritage Data provided by the NatureServe. To simplify the maps, rare species and most natural communities are represented at "point locations". As such, the hexagons DO NOT represent the full extent of any species or community occurrence. In particular, it should be assumed that mobile species likely occur throughout suitable habitat in the vicinity of the point representation.

### Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S2643	Fort Massac State Park	IL Department of Natural Resources	Massac Creek ; Ohio River; Sevenmile Creek	Some areas of the park are closed.	618-524-4712	<b>800-782-7860; 217-782-7860</b>
S7587	Sielbeck Forest State Natural Area	IL Department of Natural Resources	Sen Beck Ditch	c/o Mermet Lake State Fish and Wildlife Area	618-524-5577	<b>800-782-7860; 217-782-7860</b>
S8950	West Kentucky Wildlife Management Area	KY Dept. of Fish and Wildlife Resources	Ohio River		270-488-3233	<b>800-255-2587</b>

## Illinois Atlas - Map 398

### Special Designated Areas

Icon	Designated Area Name	Designating Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S5259	<b>Fort Massac</b> State Land and Water Reserve	Illinois Nature Preserves Commission	Massac Creek; Ohio River		217-785-8686	<b>800-782-7860; 217-782-7860</b>
S5259	<b>Fort Massac</b> State Land and Water Reserve	Illinois Nature Preserves Commission	Massac Creek; Ohio River		217-785-8686	<b>800-782-7860; 217-782-7860</b>
S5839	<b>Halesia</b> State Nature Preserve	Illinois Nature Preserves Commission	Rocky Branch	Advise the guard at the Cook Coal Terminal before entering. You will have to walk from the gate just past the cemetery. Owned by the American	217-785-8686	<b>800-782-7860; 217-782-7860</b>
S8065	<b>Massac Forest</b> State Nature Preserve	Illinois Nature Preserves Commission	Ohio River		217-785-8686	<b>800-782-7860; 217-782-7860</b>
S8065	<b>Massac Forest</b> State Nature Preserve	Illinois Nature Preserves Commission	Ohio River		217-785-8686	<b>800-782-7860; 217-782-7860</b>
S8307	<b>Metropolis Lake</b> State Nature Preserve	Kentucky State Nature Preserves Commission	Metropolis Lake	Lake contains rare fish and invertebrate species.	502-573-2886	<b>314-331-8567</b>
S8307	<b>Metropolis Lake</b> State Nature Preserve	Kentucky State Nature Preserves Commission	Metropolis Lake	Lake contains rare fish and invertebrate species.	502-573-2886	<b>314-331-8567</b>
S14588	<b>Metropolis Lake ORW</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Metropolis Lake		502-564-3410	<b>314-331-8567</b>
S14588	<b>Metropolis Lake ORW</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Metropolis Lake		502-564-3410	<b>314-331-8567</b>

## Illinois Atlas - Map 398

### *Special Designated Areas*

Icon	Designated Area Name	Designating Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S14597	<b>Ohio River (RM 940.7 to 943.3)</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Massac Creek; Ohio River; Sevenmile Creek		502-564-3410	<b>314-331-8567</b>
S14597	<b>Ohio River (RM 940.7 to 943.3)</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Massac Creek; Ohio River; Sevenmile Creek		502-564-3410	<b>314-331-8567</b>
S14597	<b>Ohio River (RM 940.7 to 943.3)</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Massac Creek; Ohio River; Sevenmile Creek		502-564-3410	<b>314-331-8567</b>
S14597	<b>Ohio River (RM 940.7 to 943.3)</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Massac Creek; Ohio River; Sevenmile Creek		502-564-3410	<b>314-331-8567</b>
S14598	<b>Ohio River (RM 948.2 to 949.5)</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Ohio River		502-564-3410	<b>314-331-8567</b>
S14598	<b>Ohio River (RM 948.2 to 949.5)</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Ohio River		502-564-3410	<b>314-331-8567</b>
F14627	<b>Rabbitsfoot Mussel Critical Habitat Unit RF20</b> Critical Habitat	US Fish and Wildlife Service	Ohio River	Rabbitsfoot Mussel Critical Habitat Unit RF20	309-757-5800	<b>612-713-5104; 612-713-5103</b>
F14627	<b>Rabbitsfoot Mussel Critical Habitat Unit RF20</b> Critical Habitat	US Fish and Wildlife Service	Ohio River	Rabbitsfoot Mussel Critical Habitat Unit RF20	309-757-5800	<b>612-713-5104; 612-713-5103</b>
F14627	<b>Rabbitsfoot Mussel Critical Habitat Unit RF20</b> Critical Habitat	US Fish and Wildlife Service	Ohio River	Rabbitsfoot Mussel Critical Habitat Unit RF20	309-757-5800	<b>612-713-5104; 612-713-5103</b>

## Illinois Atlas - Map 398

### **Special Designated Areas**

Icon	Designated Area Name	Designating Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S11281	<b>Sielbeck Forest</b>  State Land and Water Reserve	Illinois Nature Preserves Commission	Sen Beck Ditch		217-785-8686	<b>800-782-7860; 217-782-7860</b>

### **Other Environmentally Sensitive Areas**

Icon	Sensitive Area Name	Contact Agency	Waterbody	Comments	Contact Phone	Emergency Phone
O883	<b>Ohio River Trib</b>	Illinois Department of Natural Resources	Ohio River trib.	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>
O883	<b>Rocky Branch</b>	Illinois Department of Natural Resources	Rocky Branch	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>
O883	<b>Massac Creek</b>	Illinois Department of Natural Resources	Massac Creek	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>

### **Navigation Locks and Dams**

Icon	Name	Street Address	Waterbody	Contact Phone	Emergency Phone
LD52	<b>Lock &amp; Dam #52</b>	Dam 52 Rd., off of Third St. Brookport, IL 62910-0277	Ohio River 938.9 RDB	618-564-3151; 618-567-2842	<b>618-524-2912</b>



## Illinois Atlas - Map 398

### Surface Water Intakes

Icon	Name, Operator	Street Address	Waterbody, River Mile	Water Use	Reserve Capacity	Intake Info/ Number of	Comments	Contact Phone	Emergency Phone
W886	<b>Joppa Steam Power Plant</b>  Electric Energy, Inc.	2100 Portland Rd.  Joppa, IL 62953	Ohio River  952.1 RDB	Power Generation	none	One intake	Cooling water intake.	618-543-3458 (enviro. engineer)	<b>618-543-3346;</b> <b>618-543-3301,control room</b>
W1610	<b>Paducah Gaseous Diffusion Plant Water Intake</b>  Dept. of Energy	Steam Plant Rd.  West Paducah, KY 42086	Ohio River  945.9 LDB	Industrial	none	Two intakes, depth 21 ft.	Water diverted to Paducah gaseous diffusion plant. Contact: Jimmie Hankins, Environmental, Safety, and Health officer. Plant closed and transferred to Dept. of Energy in 2014	270-441-6211	<b>270-441-6211</b>
W1565	<b>TVA Shawnee Power Plant</b>  Tennessee Valley Authority	7900 Metropolis Lake Rd.  West Paducah, KY 42086	Ohio River  946.0 LDB	Power Generation			Second contact number is for Matt Phillips who is Environmental Engineer.	270-575-8001; 270-575-8025	<b>270-575-8205;</b> <b>270-575-8206;</b> <b>270-575-8201</b>

### Aboveground Storage Tanks

Icon	Name, Operator	Street Address	Waterbody, River Mile	FRP	Marine Transfer	Products Handled	Contact Phone	Emergency Phone
#1863	<b>H. B. Fuller - Paducah, KY</b>  H. B. Fuller	5000 Charter Oak Dr.  Paducah, KY	  939.8 LDB	N		oil	270-538-1183	
#2106	<b>TVA - Shawness Fossil Plant</b>  Tennessee Valley Authority	7900 Metropolis Lake Rd.  West Paducah, KY	Ohio River  946.1 LDB	N		fuel oil, gasoline, mineral oil	270-575-8024	
#1198	<b>US Department of Energy, Paducah Site</b>  US Department of Energy	5600 Hobbs Rd.  Kevil, KY	  946.9 LDB	Y		diesel fuel, biodiesel, gasoline, oil	270-441-6211	

## Illinois Atlas - Map 398

### Pipelines

Icon	Company Name, Route Name	Diameters (in)	Products Carried	Contact Phone	Emergency Phone
PL419	<b>Marathon Pipe Line, LLC</b> Beaumont - Creal Springs 24IN-26IN Prod		PRD	419-421-4600	<b>800-537-6644</b>

### Hazardous Materials Storage Sites

*For a list of chemicals, refer to the Hazardous Materials database*

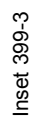
Icon	Name, Operator	Street Address	City, State, Zip	Contact Phone	Emergency Phone
H2214	<b>AEP Generating - Cook Coal Terminal</b> AEP Generating Co.	3316 US-45	Metropolis, IL 62960	618-524-9345 x1925; 618-524-93	<b>618-524-2002</b>
H3020	<b>Electric Energy, Inc.</b> Electric Energy, Inc.	2100 Portland Rd.	Joppa, IL 62953	618-543-7531; 618-343-7761	<b>618-524-2002</b>
H10006	<b>H. B. Fuller - Paducah</b> H. B. Fuller Construction Products, Inc.	5000 Charter Oak Dr.	Paducah, KY 42001	270-538-1268; 270-704-6274	<b>270-448-1530</b>
H10058	<b>Home City Ice - Paducah</b> Home City Ice Co.	5117 Charter Oak Dr.	Paducah, KY 42001	513-598-3000; 800-992-8176; 859	<b>270-448-1530</b>
H4266	<b>Honeywell - Metropolis Works</b> Honeywell International, Inc.	2768 US-45	Metropolis, IL 62960	618-524-6201; 973-455-2000	<b>618-524-2002</b>
H10254	<b>Midwest Electric Power, Inc.</b> Midwest Electric Power, Inc.	2200 Portland Rd.	Joppa, IL 62953	618-206-5912	<b>618-524-2002</b>
H10381	<b>Pinnacle Agricultural Distribution d/b/a Intrepid</b> Pinnacle Agricultural Distribution, Inc.	12240 US-60	Kevil, KY 42053	270-349-0052; 970-800-4362	<b>270-448-1530</b>
H10687	<b>US Dept. of Energy - Paducah Site</b> U.S. Dept. of Energy	5600 Hobbs Rd.	Kevil, KY 42053	270-441-6211	<b>270-448-1530</b>
H9042	<b>Waterway Ag, Inc.</b> Waterway Ag, Inc.	208 Yasoda St.	Metropolis, IL 62960	618-524-9208	<b>618-524-2002</b>



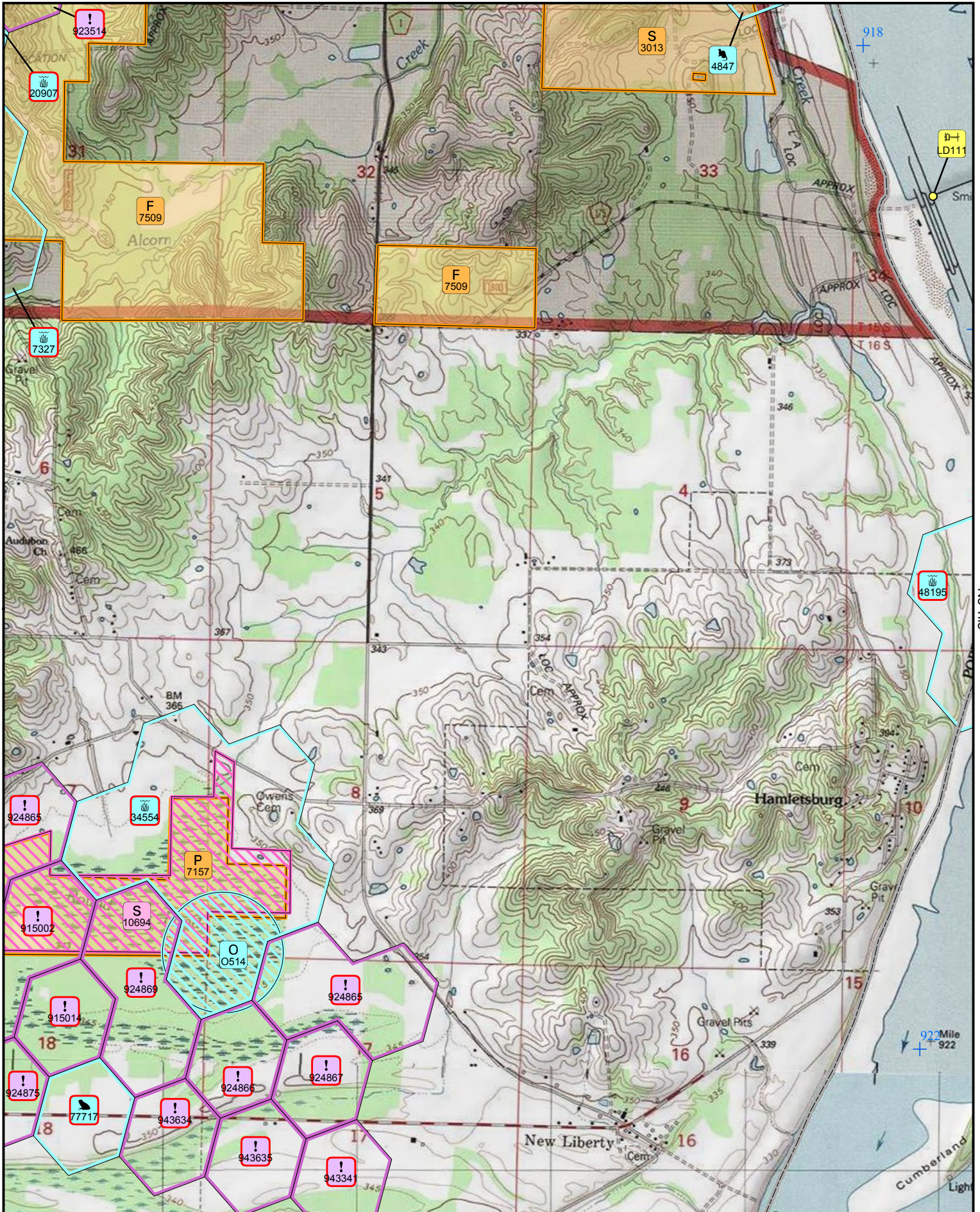
Map 407













## Illinois Atlas - Map 399

### Sensitive Species

*For a complete listing of species groupings, refer to Appendix B*

Listing	Contact Name	Contact Phone	Emergency Phone
Federal	U.S. Fish and Wildlife Service	502-695-0468 Kentucky Ecological Services Field Office	404-679-7085 Region 4 Spill Response Coordinator
Federal	U.S. Fish and Wildlife Service	309-757-5800 Rock Island Ecological Field Office	612-713-5104 Region 3 Spill Response Coordinator
State	Illinois Department of Natural Resources	217-782-2685 Natural Heritage Database Program	217-782-7860 Illinois Emergency Management Agency
State	Kentucky Energy and Environment Cabinet	502-573-2886 State Nature Preserves Commission	800-928-2380 Kentucky Dept. for Environmental Protection

2013 Illinois Natural Heritage Data provided by the NatureServe. To simplify the maps, rare species and most natural communities are represented at "point locations". As such, the hexagons DO NOT represent the full extent of any species or community occurrence. In particular, it should be assumed that mobile species likely occur throughout suitable habitat in the vicinity of the point representation.

### Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S1772	<b>Cretaceous Hills</b> State Natural Area	IL Department of Natural Resources	unnamed streams	c/o Ferne Clyffe State Park. SW parcel is a nature preserve.	618-995-2568	<b>800-782-7860; 217-782-7860</b>
S2643	<b>Fort Massac</b> State Park	IL Department of Natural Resources	Massac Creek ; Ohio River; Sevenmile Creek	Some areas of the park are closed.	618-524-4712	<b>800-782-7860; 217-782-7860</b>
S3013	<b>Golconda Marina</b> State Recreation Area	IL Department of Natural Resources	Lusk Creek; Ohio River		618-683-5875	<b>800-782-7860; 217-782-7860</b>
S6006	<b>Ohio River Islands</b> Wildlife Management Area	KY Dept. of Fish and Wildlife Resources	Ohio River		270-753-6913	<b>800-255-2587</b>

## Illinois Atlas - Map 399

### Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Comments	Contact Phone	Emergency Phone
P7157	<b>Round Pond</b> Private Nature Preserve	The Nature Conservancy	Round Pond		312-580-2100	<b>217-782-7860</b>
F7509	<b>Shawnee</b> National Forest	US Forest Service	Mississippi River; Ohio River; multiple lakes, rivers, streams, and wetlands	Approximately 286,400 acres of deciduous forest and rolling blufflands.	618-253-7114	<b>618-833-5500; 618- 684-2177 (Co. Sheriffs)</b>

### Special Designated Areas

Icon	Designated Area Name	Designating Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S4028	<b>Cretaceous Hills</b> State Nature Preserve	Illinois Nature Preserves Commission	n/a		217-785-8686	<b>800-782-7860; 217- 782-7860</b>
S6271	<b>Horsefly Ridge</b> State Nature Preserve	Illinois Nature Preserves Commission	n/a		217-785-8686	<b>800-782-7860; 217- 782-7860</b>
S14596	<b>Ohio River (RM 922 to 923.5)</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Ohio River		502-564-3410	<b>314-331-8567</b>
F14627	<b>Rabbitsfoot Mussel Critical Habitat Unit RF20</b> Critical Habitat	US Fish and Wildlife Service	Ohio River	Rabbitsfoot Mussel Critical Habitat Unit RF20	309-757-5800	<b>612-713-5104; 612- 713-5103</b>
S10694	<b>Round Pond</b> State Nature Preserve	Illinois Nature Preserves Commission	Round Pond	Site owned by The Nature Conservancy.	217-785-8686	<b>800-782-7860; 217- 782-7860</b>
S14619	<b>Tennessee River (RM 12 to 22.4 -KY Lake Dam)</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Kentucky Lake; Tennessee River		502-564-3410	<b>314-331-8567</b>

## Illinois Atlas - Map 399

### Other Environmentally Sensitive Areas

Icon	Sensitive Area Name	Contact Agency	Waterbody	Comments	Contact Phone	Emergency Phone
O514	Rookery	Illinois Department of Natural Resources	Round Pond	N/A	217-782-6302	<b>217-782-6431</b>
O883	Mud Creek 5	Illinois Department of Natural Resources	Mud Creek	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>
O886	Calcareous Seep	Illinois Department of Natural Resources	Alcorn Creek trib.	Shawnee National Forest	217-782-6302	<b>217-782-6431</b>
O886	Acid Gravel Seep	Illinois Department of Natural Resources	Alcorn Creek trib.	Shawnee National Forest	217-782-6302	<b>217-782-6431</b>
O886	Sandstone Glade	Illinois Department of Natural Resources	Alcorn Creek trib.	Shawnee National Forest	217-782-6302	<b>217-782-6431</b>
O886	Sedge Meadow	Illinois Department of Natural Resources	Sedge Meadow	Shawnee National Forest	217-782-6302	<b>217-782-6431</b>
O886	Dry-Mesic Upland Forest	Illinois Department of Natural Resources	N/A	Shawnee National Forest	217-782-6302	<b>217-782-6431</b>

### Navigation Locks and Dams

Icon	Name	Street Address	Waterbody	Contact Phone	Emergency Phone
LD111	Smithland Lock & Dam	1401 Smithland Dam Rd. Brookport, IL 62910	Ohio River 918.5 RDB	618-564-2315	<b>618-683-4321</b>

### Surface Water Intakes

Icon	Name, Operator	Street Address	Waterbody, River Mile	Water Use	Reserve Capacity	Intake Info/ Number of	Comments	Contact Phone	Emergency Phone
W1241	Paducah Water Works	1800 N 8th St.	Ohio River	Public Water Supply	2 hrs.	Intake depth 15 ft.	Pump rate: 6.6 million gallons per day.	270-444-5550	<b>270-442-2746</b>
	Paducah Water Works	Paducah, KY 42002-2377	935.5 LDB						



## Illinois Atlas - Map 399

### Aboveground Storage Tanks

Icon	Name, Operator	Street Address	Waterbody, River Mile	FRP	Marine Transfer	Products Handled	Contact Phone	Emergency Phone
#1905	<b>JSC Terminal, LLC d/b/a Midwest Terminal</b> JSC Terminal, LLC	725 N 5th St. PADUCAH, KY	Ohio River 935.3 LDB	Y		diesel oil, gasoline, kerosene, soybean oil, motor oil, hydraulic fluid, transmission oil	270-362-8661	
#961	<b>Marathon - Paducah KY Terminal</b> Marathon Petroleum Co., LP	201 Ashland Rd. Paducah, KY	Chestnut Lake 6.2 LDB	Y		denatured alcohol, gasoline, fuel oil, diesel, kerosene	419-422-2121	
#1974	<b>NRE Acquisitions Co., LLC d/b/a Paducahbilt</b> NRE Acquisitions Co., LLC	1300 Kentucky Ave. Paducah, KY	Ohio River 0.8 LDB	N		diesel fuel, lubricating oil	270-444-4555	
#1465	<b>TransMontaigne - Paducah Terminal Complex</b> TransMontaigne Operating Co.	233 Elizabeth St. Paducah, KY	Ohio River 1.1 LDB	Y		gasoline, diesel fuel, resin oil	303-860-5376	
#2116	<b>Universal Environmental Services - Paducah KY</b> Universal Environmental Services	1401 Caldwell St. Paducah, KY	Ohio River 0.9 LDB	N		used oil	678-544-2915	

## Illinois Atlas - Map 399

### **Hazardous Materials Storage Sites**

*For a list of chemicals, refer to the Hazardous Materials database*

Icon	Name, Operator	Street Address	City, State, Zip	Contact Phone	Emergency Phone
H10200	<b>Mathis Battery Co. d/b/a Paducah Battery Supple</b> Mathis Battery Co.	136 Co. Park Rd.	Paducah, KY 42001	731-514-2969; 800-215-4592	<b>270-448-1530</b>
H10288	<b>NES Rentals - Paducah</b> NES Equipment Services Corp.	2525 Wayne Sullivan Dr.	Paducah, KY 42003	773-573-0812; 773-695-2709	<b>270-448-1530</b>
H10314	<b>NRE Acquisitions Co. d/b/a Paducahbilt</b> NRE Acquisitions Co., LLC	1300 Kentucky Ave.	Paducah, KY 42003	270-366-7422; 270-444-4555; 270	<b>270-448-1530</b>
H10343	<b>Paducah Power System - Plant 1</b> Paducah Power System	4801 Schneidman Rd.	Paducah, KY 42003	270-210-7444; 270-408-4061; 270	<b>270-448-1530</b>
H10564	<b>Southern FS - Metropolis NH3 Storage</b> Southern FS, Inc.	6478 US-45	Brookport, IL 62910	618-993-2833	<b>618-524-2002</b>
H10659	<b>TVA - Paducah 161-Kv Substation</b> TVA Paducah	4751 Schneidman Rd.	Paducah, KY 42044	270-856-4504; 888-882-4010	<b>270-448-1530</b>



Map 399



Illinois  
Map 389







## Illinois Atlas - Map 389

### Sensitive Species

*For a complete listing of species groupings, refer to Appendix B*

Listing	Contact Name	Contact Phone	Emergency Phone
Federal	U.S. Fish and Wildlife Service	502-695-0468 Kentucky Ecological Services Field Office	404-679-7085 Region 4 Spill Response Coordinator
Federal	U.S. Fish and Wildlife Service	309-757-5800 Rock Island Ecological Field Office	612-713-5104 Region 3 Spill Response Coordinator
State	Illinois Department of Natural Resources	217-782-2685 Natural Heritage Database Program	217-782-7860 Illinois Emergency Management Agency
State	Kentucky Energy and Environment Cabinet	502-573-2886 State Nature Preserves Commission	800-928-2380 Kentucky Dept. for Environmental Protection

2013 Illinois Natural Heritage Data provided by the NatureServe. To simplify the maps, rare species and most natural communities are represented at "point locations". As such, the hexagons DO NOT represent the full extent of any species or community occurrence. In particular, it should be assumed that mobile species likely occur throughout suitable habitat in the vicinity of the point representation.

### Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S644	<b>Big Grand Pierre Glade</b> State Natural Area	IL Department of Natural Resources	Big Grand Pierre Creek; Little Grand Pierre Creek	Within the Shawnee National Forest.	217-785-8686	<b>800-782-7860; 217-782-7860</b>
S2051	<b>Dixon Springs</b> State Park	IL Department of Natural Resources	Simmons Creek, Hills Branch		618-949-3394	<b>800-782-7860; 217-782-7860</b>
S3013	<b>Golconda Marina</b> State Recreation Area	IL Department of Natural Resources	Lusk Creek; Ohio River		618-683-5875	<b>800-782-7860; 217-782-7860</b>
S9667	<b>Livingston County</b> Wildlife Management Area	KY Dept. of Fish and Wildlife Resources	Cave Spring Branch; McGilligan Creek; Sugarcamp Creek		270-753-6913	<b>800-255-2587</b>

## Illinois Atlas - Map 389

### Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S9667	<b>Livingston County</b> Wildlife Management Area	KY Dept. of Fish and Wildlife Resources	Cave Spring Branch; McGilligan Creek; Sugarcamp Creek		270-753-6913	<b>800-255-2587</b>
P9669	<b>Livingston County Preserve 02</b> Private Preserve	Southern Conservation Corporation	Givens Creek	Privately owned.	931-934-3177	<b>800-255-2587</b>
P9670	<b>Livingston County Preserve 03</b> Private Preserve	Southern Conservation Corporation	Ohio River	Privately owned.	931-934-3177	<b>800-255-2587</b>
P5105	<b>Mantle Rock</b> Private Nature Preserve	The Nature Conservancy	McGilligan Creek	367 acre site contains 30 foot high natural sandstone bridge that spans 188 feet. Preserves the best example of sandstone glades in Kentucky.	859-259-9655	<b>800-424-8802</b>
P5105	<b>Mantle Rock</b> Private Nature Preserve	The Nature Conservancy	McGilligan Creek	367 acre site contains 30 foot high natural sandstone bridge that spans 188 feet. Preserves the best example of sandstone glades in Kentucky.	859-259-9655	<b>800-424-8802</b>
S6006	<b>Ohio River Islands</b> Wildlife Management Area	KY Dept. of Fish and Wildlife Resources	Ohio River		270-753-6913	<b>800-255-2587</b>
F7509	<b>Shawnee</b> National Forest	US Forest Service	Mississippi River; Ohio River; multiple lakes, rivers, streams, and wetlands	Approximately 286,400 acres of deciduous forest and rolling bluffslands.	618-253-7114	<b>618-833-5500; 618-684-2177 (Co. Sheriffs)</b>
P9874	<b>War Bluff Valley Sanctuary</b> Private Nature Preserve	Illinois Audubon Society	Simmons Creek		217-544-2473	<b>309-338-0070</b>

## Illinois Atlas - Map 389

### *Special Designated Areas*

Icon	Designated Area Name	Designating Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S2359	<b>Big Grand Pierre</b> State Land and Water Reserve	Illinois Nature Preserves Commission	Big Grand Pierre Creek; Little Grand Pierre Creek	Terrestrial Community: Alkaline Glade, Ozark Type; Limestone glade	217-785-8686	<b>800-782-7860; 217-782-7860</b>
S14591	<b>Newmans Bluff</b> State Natural Area	Kentucky State Nature Preserves Commission	Peck Branch; Sugarcamp Creek	Part of Livingston County WMA.	502-573-2886	<b>314-331-8567</b>
S11652	<b>Spivey's Valley Glade</b> State Nature Preserve	Illinois Nature Preserves Commission	n/a	Privately owned.	217-785-8686	<b>800-782-7860; 217-782-7860</b>

### *Other Environmentally Sensitive Areas*

Icon	Sensitive Area Name	Contact Agency	Waterbody	Comments	Contact Phone	Emergency Phone
O883	<b>Lusk Creek Trib</b>	Illinois Department of Natural Resources	Lusk Creek trib.	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>
O883	<b>Big Grand Pierre Creek</b>	Illinois Department of Natural Resources	Big Grand Pierre Creek	A-B Rating for Biological Significance	217-785-4325	<b>217-782-6431</b>
O883	<b>Bay Creek 1</b>	Illinois Department of Natural Resources	Bay Creek	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>
O883	<b>Bay Creek trib.</b>	Illinois Department of Natural Resources	Bay Creek trib.	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>
O883	<b>Lusk Creek</b>	Illinois Department of Natural Resources	Lusk Creek	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>
O883	<b>Lusk Creek trib.</b>	Illinois Department of Natural Resources	Lusk Creek trib.	A-E Rating for Biological Diversity/Integrity	217-785-4325	<b>217-782-6431</b>

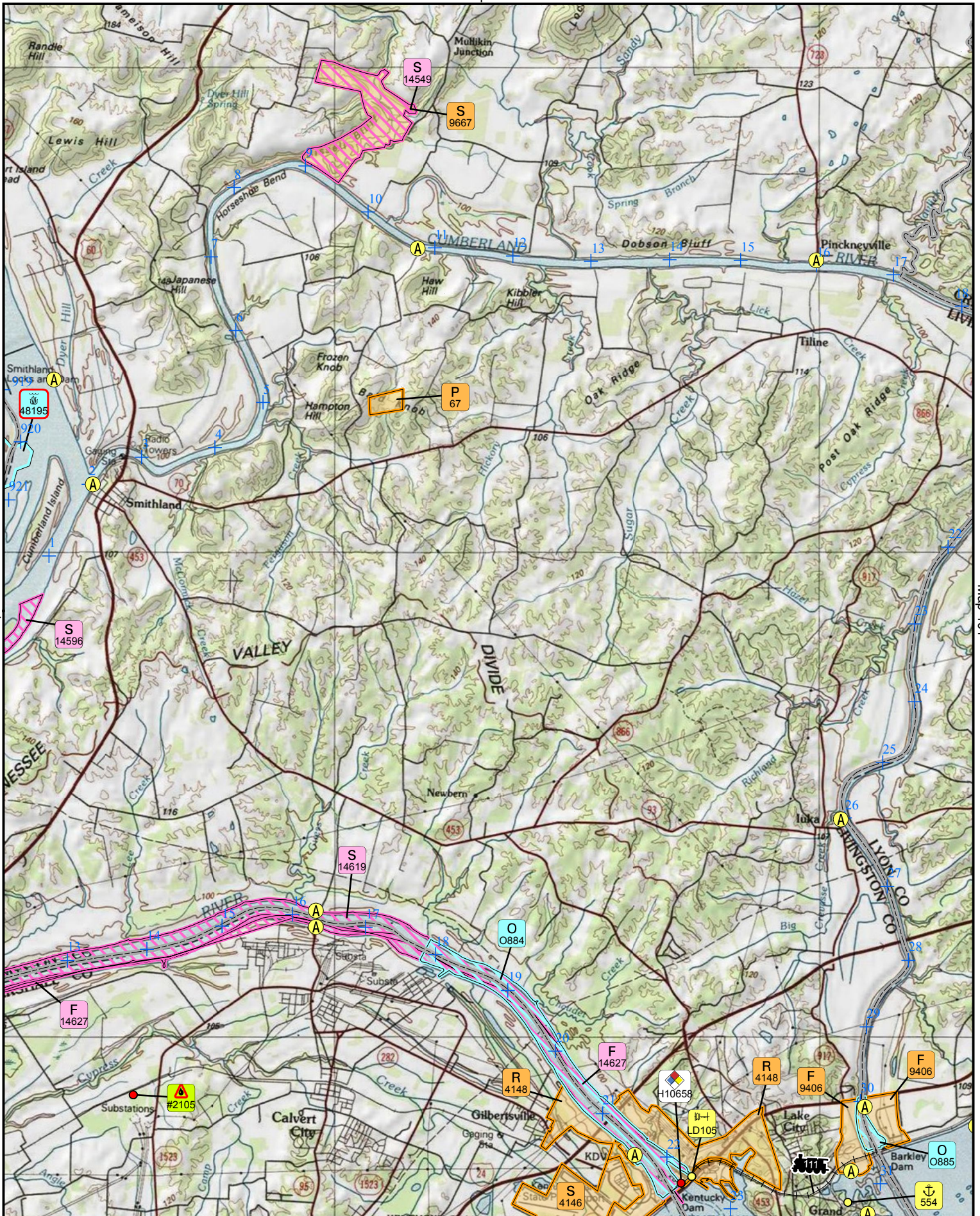


Illinois Atlas - Map 389

Marinas

Icon	Name	Street Address	Waterbody, River Mile	Slips	Fuel	Contact Phone	Emergency Phone
515	Golconda Marina	1 Marina Way Golconda, IL 62938	Ohio River 902.3 RDB	204	Y	618-683-5875	618-534-8938







## Illinois Atlas - Map 400

### Sensitive Species

*For a complete listing of species groupings, refer to Appendix B*

Listing	Contact Name	Contact Phone	Emergency Phone
Federal	U.S. Fish and Wildlife Service	502-695-0468 Kentucky Ecological Services Field Office	404-679-7085 Region 4 Spill Response Coordinator
Federal	U.S. Fish and Wildlife Service	309-757-5800 Rock Island Ecological Field Office	612-713-5104 Region 3 Spill Response Coordinator
State	Illinois Department of Natural Resources	217-782-2685 Natural Heritage Database Program	217-782-7860 Illinois Emergency Management Agency
State	Kentucky Energy and Environment Cabinet	502-573-2886 State Nature Preserves Commission	800-928-2380 Kentucky Dept. for Environmental Protection

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### Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Comments	Contact Phone	Emergency Phone
P67	<b>Bald Knob Glade/Aimee Rosenfield</b> Private Nature Preserve	The Nature Conservancy	trib. to Dunn Creek	61 acre site is a permanent easement on private land that protects high quality limestone glades and prairie.	859-259-9655	<b>859-259-9655</b>
F9406	<b>Barkley Dam Tailwaters</b> Recreation Area	US Army Corps of Engineers	Cumberland River; Lake Barkley	Recreation Area encompasses lock and dam tailwaters.	270-362-4236	<b>615-736-7037</b>
S4146	<b>Kentucky Dam Village</b> State Resort Park	KY Dept. of Parks	Cypress Creek; Kentucky Lake; Tennessee River		270-362-4271	<b>800-255-2587</b>
R4148	<b>Kentucky Reservoir</b> Recreation Area	Tennessee Valley Authority	Kentucky Lake; Tennessee River	Much of the Recreation Area is outside the mapping area.	731-641-2000	<b>800-839-0028</b>



## Illinois Atlas - Map 400

### Managed Areas

Icon	Managed Area Name	Managing Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S9667	<b>Livingston County</b> Wildlife Management Area	KY Dept. of Fish and Wildlife Resources	Cave Spring Branch; McGilligan Creek; Sugarcamp Creek		270-753-6913	<b>800-255-2587</b>

### Special Designated Areas

Icon	Designated Area Name	Designating Agency	Waterbody	Comments	Contact Phone	Emergency Phone
S14549	<b>Bissell Bluff</b> State Natural Area	Kentucky State Nature Preserves Commission	Bissell Creek	Site owned by the Livingston County Fiscal Court.	502-573-2886	<b>314-331-8567</b>
S14596	<b>Ohio River (RM 922 to 923.5)</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Ohio River		502-564-3410	<b>314-331-8567</b>
F14627	<b>Rabbitsfoot Mussel Critical Habitat Unit RF20</b> Critical Habitat	US Fish and Wildlife Service	Ohio River	Rabbitsfoot Mussel Critical Habitat Unit RF20	309-757-5800	<b>612-713-5104; 612-713-5103</b>
F14627	<b>Rabbitsfoot Mussel Critical Habitat Unit RF20</b> Critical Habitat	US Fish and Wildlife Service	Ohio River	Rabbitsfoot Mussel Critical Habitat Unit RF20	309-757-5800	<b>612-713-5104; 612-713-5103</b>
S14619	<b>Tennessee River (RM 12 to 22.4 -KY Lake Dam)</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Kentucky Lake; Tennessee River		502-564-3410	<b>314-331-8567</b>
S14619	<b>Tennessee River (RM 12 to 22.4 -KY Lake Dam)</b> Outstanding Resource Water	Kentucky Dept. for Environmental Protection, Division of Water	Kentucky Lake; Tennessee River		502-564-3410	<b>314-331-8567</b>

## Illinois Atlas - Map 400

### Other Environmentally Sensitive Areas

Icon	Sensitive Area Name	Contact Agency	Waterbody	Comments	Contact Phone	Emergency Phone
O884	<b>Cumberland River Mussel Sanctuary</b> Cumberland River Mussel Sanctuary	KY Department of Fish and Wildlife Resources	Tennessee River	US Department of the Army	502-573-0330	<b>502-573-0330</b>
O885	<b>Tennessee River Mussel Sanctuary</b>	KY Department of Fish and Wildlife Resources	Cumberland River; Lake Barkley	Multiple landowners.	502-573-0330	<b>502-573-0330</b>

### Marinas

Icon	Name	Street Address	Waterbody, River Mile	Slips	Fuel	Contact Phone	Emergency Phone
554	<b>Green Turtle Bay Boat Rentals</b>	125 Bayside Dr. Grand Rivers, KY 42045	Cumberland River, Lake Barkley 31.5 LDB	90	N	270-362-9555; 800-498-0428	<b>270-928-2122</b>

### Navigation Locks and Dams

Icon	Name	Street Address	Waterbody	Contact Phone	Emergency Phone
LD105	<b>Kentucky Lock &amp; Dam</b>	265 Kentucky Lock Rd. Grand Rivers, KY 42045	Tennessee River, Kentucky Lake 22.4 RDB	270-362-4226	<b>270-362-4226</b>

### Aboveground Storage Tanks

Icon	Name, Operator	Street Address	Waterbody, River Mile	FRP	Marine Transfer	Products Handled	Contact Phone	Emergency Phone
#2105	<b>TVA - Marshall County Combustion Turbine Plant</b> Tennessee Valley Authority	6264 Industrial Pkwy Calvert City, KY	Tennessee River 13.5 LDB	Y	N		865-632-2101	

## Illinois Atlas - Map 400

### Hazardous Materials Storage Sites

*For a list of chemicals, refer to the Hazardous Materials database*

Icon	Name, Operator	Street Address	City, State, Zip	Contact Phone	Emergency Phone
H10658	<b>TVA - Kentucky Hydro Plant</b> Tennessee Valley Authority	640 Kentucky Dam Rd.	Grand Rivers, KY 42025	270-969-8791; 423-751-6852	<b>270-928-3177</b>



## **ATTACHMENT 2**

### **Response Strategies for Ohio River mile marker 918.5 to 956**

**(Note: Examples are shown on the following pages. The complete Response Plan will be included as a separate file on the EPA project website. The response plans for the following waterways are under development: Ohio, Cumberland, & Tennessee River)**

## Containment Point Data Sheet

**Location Name:** 1.2-TR-KY-TransMontaigne Terminal

### General Information

**From Completed By:** Michelle Cozadd  
Illinois EPA  
**Fire Department:** NA  
**Waterway Name:** Tennessee River  
**Tributary of above name stream:** NA

**Date:** 08.07.18  
**County:** McCracken  
**Property Type:** Private  
**Waterway Type:** River  
**Other:**

### Physical Location

**GPS Coordinates (Decimal Degrees) Latitude (W):** 37.0719159 **Longitude (N):** -88.5869321  
**River Mile (Identify Left or Right descending bank):** TR 1.2 Left descending bank  
**Access Instructions:** Restricted to facility permission.

**Reference Photos:** 7 TransMontaigne Terminal (TR 1.2) .JPG

### Property Owner Information

**Entity Name:** TransMontaigne Terminal  
**Address:** 233 Elizabeth St.  
**City:** Paducah, KY  
**Zip:** 42003

**Comments:** Fuel Terminal  
**Phone:** 270.210.2278  
**County Parcel Number:** NA  
**Email:** NA

### Containment Point Information

**Tactical Purpose:** Collection/Deflection  
**Preferred:** **Alternate:** X  
**Bottom Type:** NA

**Boom Length (Feet):** 1000  
**Permanent Anchors Installed?** Yes

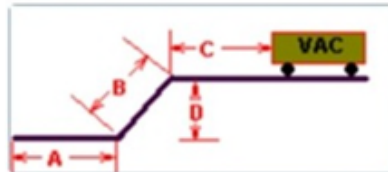
**Average Water Depth:** 18'  
**Length of Hose Needed:** NA  
**Channel Depth:** 25'

**Operational Description:** 2  
Dolphins & 1 Mooring cell  
**Avg Channel Width:** 900

### Bank Description

**Bank Type Left:** NA

**Bank Type Right:** NA



**A – Channel Width:** NA

**B – Slope Distance:** NA

**C – Distance to Operational Area:** NA

**D – Elevation Change (Vertical Draw):** NA

### Equipment & PPE

**Boat Required:** Yes  
**PPE Information:** NA

Containment Point Data Sheet



KEY				
	Booming		Water Flow	Staging Area
	Deflection		Access Point	Collection Point
	Oil Pipeline		Private Access Point	Water Intake



## Containment Point Data Sheet

**Location Name:** 2-CMB-KY-Smithland Boat Ramp

### General Information

**From Completed By:** Michelle Cozadd  
Illinois EPA  
**Fire Department:** NA  
**Waterway Name:** Cumberland River  
**Tributary of above name stream:** NA

**Date:** 08.07.18  
**County:** Livingston  
**Property Type:** Public  
**Waterway Type:** River  
**Other:**

### Physical Location

**GPS Coordinates (Decimal Degrees) Latitude (W):** 37.1423 **Longitude (N):** -88.4072

**River Mile (Identify Left or Right descending bank):** CMB 2.0 Left descending bank

**Access Instructions:** Paved. Single launch lane, year around, some staging, small boat only, all hours.

**Reference Photos:** 9 Cumberland River Boat Ramp (CMB 2) .Jpg

### Property Owner Information

**Entity Name:** Smithland Boat Ramp  
**Address:** 109 Riverfront Dr.  
**City:** Smithland, KY  
**Zip:** 42081

**Comments:** NA  
**Phone:** NA  
**County Parcel Number:** NA  
**Email:** NA

### Containment Point Information

**Tactical Purpose:**  
Staging/Deployment/Collection/Diversion

**Boom Length (Feet):** 500

**Preferred:** X **Alternate:**

**Permanent Anchors Installed?** No

**Bottom Type:** NA

**Average Water Depth:** 25'

**Channel Depth:** 25'

**Avg Channel Width:** 600

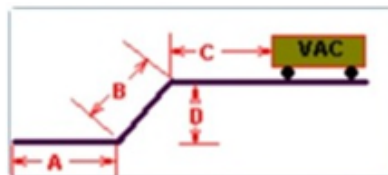
**Length of Hose Needed:** NA

**Operational Description:**

### Bank Description

**Bank Type Left:** NA

**Bank Type Right:** NA



**A – Channel Width:** 600

**B – Slope Distance:** NA

**C – Distance to Operational Area:** NA

**D – Elevation Change (Vertical Draw):** NA










### Equipment & PPE

**Boat Required:** No

**PPE Information:** NA

Containment Point Data Sheet



KEY					
	Booming		Water Flow		Staging Area
	Deflection		Access Point		Collection Point
	Oil Pipeline		Private Access Point		Water Intake

## Containment Point Data Sheet

**Location Name:** 918.6-OR-KY-Collier Electric

### General Information

**From Completed By:** Michelle Cozadd  
Illinois EPA  
**Fire Department:** NA  
**Waterway Name:** Ohio River  
**Tributary of above name stream:** NA

**Date:** 08.07.18  
**County:** Livingston  
**Property Type:** Private  
**Waterway Type:** River  
**Other:**

### Physical Location

**GPS Coordinates (Decimal Degrees) Latitude (W):** 37.16593 **Longitude (N):** -88.42045  
**River Mile (Identify Left or Right descending bank):** OR 918.6 Left descending bank  
**Access Instructions:** Restricted to facility permission

**Reference Photos:** 11 Collier Electric (OR 918.6) .Jpg

### Property Owner Information

**Entity Name:** Collier Electric  
**Address:** 1297 Smithland Dam Rd  
**City:** Smithland, KY  
**Zip:** 42081

**Comments:** Hydroelectric power plant owned by American Municipal Power (AMP)  
**Phone:** 614.540.1020  
**County Parcel Number:** NA  
**Email:** NA

### Containment Point Information

**Tactical Purpose:** Isolation

**Preferred:** **Alternate:** X

**Bottom Type:** NA

**Average Water Depth:** 20'

**Channel Depth:** 25'

**Avg Channel Width:** 300

**Length of Hose Needed:** NA

**Operational Description:** NA

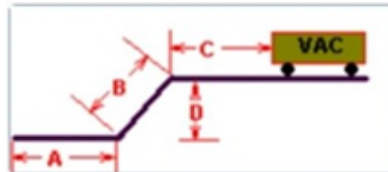
**Boom Length (Feet):** 300

**Permanent Anchors Installed?** No

### Bank Description

**Bank Type Left:** NA

**Bank Type Right:** NA



**A – Channel Width:** 600

**B – Slope Distance:** NA

**C – Distance to Operational Area:** NA

**D – Elevation Change (Vertical Draw):** NA

### Equipment & PPE










**Boat Required:** Yes

**PPE Information:** NA



## Containment Point Data Sheet



KEY					
	Booming		Water Flow		Staging Area
	Deflection		Access Point		Collection Point
	Oil Pipeline		Private Access Point		Water Intake

Containment Point Data Sheet

Location Name: 919.0-OR-KY-Boat Ramp

General Information

From Completed By: Mac Cann  
Fire Department: NA  
Waterway Name: Ohio River  
Tributary of above name stream: NA

Date: 08.07.18  
County: Livingston  
Property Type: Boat Ramp  
Waterway Type: Canal  
Other:

Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): 37.161753 Longitude (N): -88.416661  
River Mile (Identify Left or Right descending bank): 919.0  
Access Instructions: Boat ramp all access

Reference Photos:

Property Owner Information

Entity Name: Public  
Address: NA  
City: NA  
Zip: NA

Comments: Public access  
Phone: NA  
County Parcel Number: NA  
Email: NA

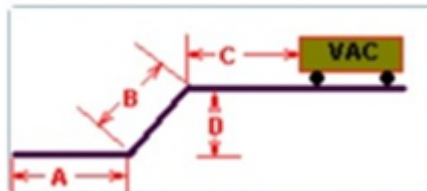
Containment Point Information

Tactical Purpose: NA  
Preferred: Alternate:  
Bottom Type: Mud  
Average Water Depth: 10' Channel Depth: NA Avg Channel Width: NA  
Length of Hose Needed: NA Operational Description: NA  
Boom Length (Feet): NA  
Permanent Anchors Installed? NA

Bank Description

Bank Type Left: NA

Bank Type Right: Right Descending



A – Channel Width: NA

B – Slope Distance: NA

C – Distance to Operational Area: NA

D – Elevation Change (Vertical Draw): NA

Equipment & PPE

Boat Required: No  
PPE Information: PFD

Containment Point Data Sheet



KEY				
	Booming		Water Flow	Staging Area
	Deflection		Access Point	Collection Point
	Oil Pipeline		Private Access Point	Water Intake



## Containment Point Data Sheet

**Location Name:** 926.0-OR-KY-Enterprise Products

### General Information

**From Completed By:** Michelle Cozadd  
Illinois EPA  
**Fire Department:** NA  
**Waterway Name:** Ohio River  
**Tributary of above name stream:** NA

**Date:** 08.07.18  
**County:** Livingston  
**Property Type:** NA  
**Waterway Type:** River  
**Other:**

### Physical Location

**GPS Coordinates (Decimal Degrees) Latitude (W):** 37.0876222 **Longitude (N):** -88.4439083  
**River Mile (Identify Left or Right descending bank):** OR 926.0 Left descending bank  
**Access Instructions:** Limited to boat only. Land access via Bear Rd, Ledbetter Ky. High Forest area.

**Reference Photos:** 8 Enterprise Products (OR 926.0) .Jpg

### Property Owner Information

**Entity Name:** Enterprise Products  
**Address:** Bear Rd.  
**City:** Ledbetter, KY  
**Zip:** 42058

**Comments:** Enterprise may not own property where pipeline is located  
**Phone:** 888.883.6308  
**County Parcel Number:** NA  
**Email:** NA

### Containment Point Information

**Tactical Purpose:** Deflection

**Preferred:** **Alternate:** X

**Bottom Type:** NA

**Average Water Depth:** 10'

**Length of Hose Needed:** NA

**Channel Depth:** 10'

**Boom Length (Feet):** 500

**Permanent Anchors Installed?** No

**Operational Description:**

**Avg Channel Width:** 400

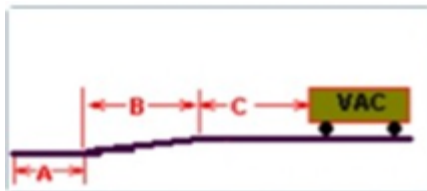
Underground pipeline.

Signage on both banks

### Bank Description

**Bank Type Left:** NA

**Bank Type Right:** NA



**A – Channel Width:** 400

**C – Distance to Operational Area:** NA

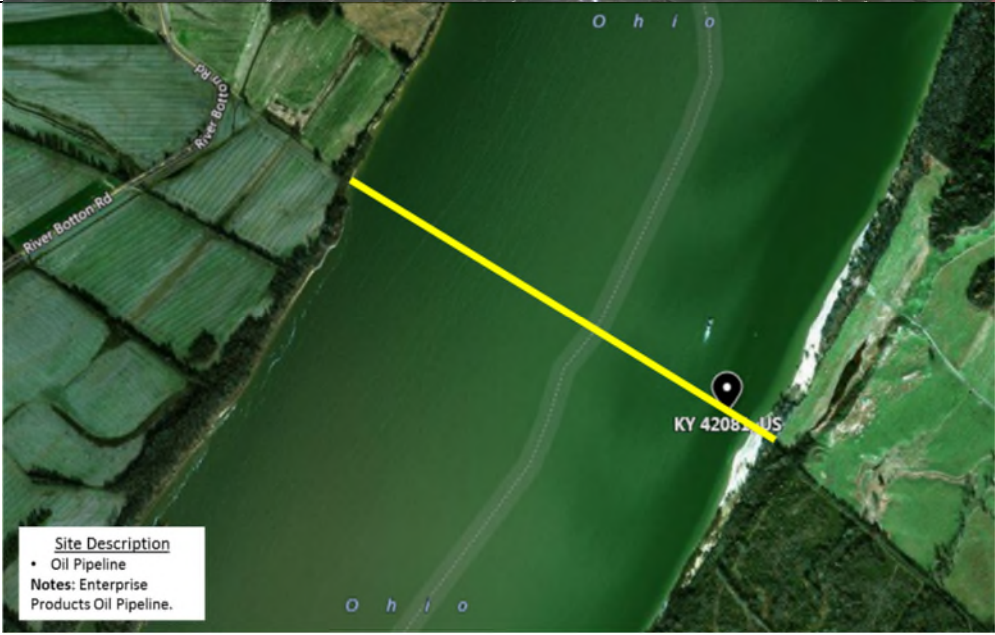
**B – Slope Distance:** NA

**D – Elevation Change (Vertical Draw):** NA

### Equipment & PPE

**Boat Required:** Yes

**PPE Information:** NA



KEY				
	Booming		Water Flow	Staging Area
	Deflection		Access Point	Collection Point
	Oil Pipeline		Private Access Point	Water Intake

Containment Point Data Sheet

Location Name: 934.4-OR-KY-Custom Fuels

General Information

From Completed By: Michelle Cozadd  
Illinois EPA  
Fire Department: NA  
Waterway Name: Tennessee River  
Tributary of above name stream: NA

Date: 08.07.18  
County: McCracken  
Property Type: Private  
Waterway Type: River  
Other:

Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): 37.078462 Longitude (N): -88.590102  
River Mile (Identify Left or Right descending bank): OR 934.4 Left descending bank  
Access Instructions: Ingram Training Center visible from Tenn. River. Restricted to facility permission.

Reference Photos: 6 Custom Fuels & Ingram Training Center (OR 934.4) .Jpg

Property Owner Information

Entity Name: Custom Fuels  
Address: 900 South 3<sup>rd</sup> St.  
City: Paducah, KY  
Zip: 42003

Comments: Custom Fuels owned by  
Ingram Barge Co. (Fueling Barge)  
Phone: 270.444.4008  
County Parcel Number: NA  
Email: NA

Containment Point Information

Tactical Purpose: Collection/Deflection  
Preferred: Alternate: X  
Bottom Type: NA

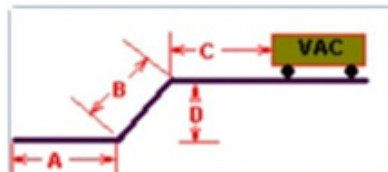
Boom Length (Feet): 1000  
Permanent Anchors Installed? Yes

Average Water Depth: 21' Operational Description: Avg Channel Width: 900  
Length of Hose Needed: NA training center, fuel, fire, harbor  
Channel Depth: 25' dock, spar.

Bank Description

Bank Type Left: NA

Bank Type Right: NA



A – Channel Width: NA  
C – Distance to Operational Area: NA

B – Slope Distance: NA  
D – Elevation Change (Vertical Draw): NA

Equipment & PPE

Boat Required: Yes  
PPE Information: NA





KEY				
	Booming		Water Flow	Staging Area
	Deflection		Access Point	Collection Point
	Oil Pipeline		Private Access Point	Water Intake

Containment Point Data Sheet

Location Name: 934.5-OR-KY-Downtown Paducah Boat Ramp

General Information

From Completed By: Michelle Cozadd  
Illinois EPA  
Fire Department: NA  
Waterway Name: Ohio River  
Tributary of above name stream: NA

Date: 08.07.18  
County: McCracken  
Property Type: Public Property  
Waterway Type: River  
Other:

Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): 37.088488 Longitude (N): -88.59396  
River Mile (Identify Left or Right descending bank): OR 934.5 Left descending bank  
Access Instructions: Intersection of Broadway and Water St. No finger pier.

Reference Photos: 4 Downtown Paducah Boat Ramp (OR 934.5) .Jpg

Property Owner Information

Entity Name: City of Paducah Boat Ramp  
Address: 27 The Foot of Broadway  
City: Paducah, KY  
Zip: 42001

Comments: Located near Schultz Park  
Phone: 270.444.8508  
County Parcel Number: NA  
Email: NA

Containment Point Information

Tactical Purpose: Staging

Preferred: X

Alternate:

Bottom Type: NA

Average Water Depth: 10'

Channel Depth: 35'

Avg Channel Width: NA

Length of Hose Needed: NA

Operational Description: NA

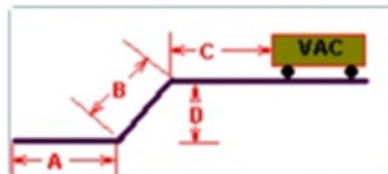
Boom Length (Feet): 200

Permanent Anchors Installed? No

Bank Description

Bank Type Left: NA

Bank Type Right: NA



A – Channel Width: NA

B – Slope Distance: NA

C – Distance to Operational Area: NA

D – Elevation Change (Vertical Draw): NA

Equipment & PPE

Boat Required: No

PPE Information: NA



KEY				
	Booming		Water Flow	Staging Area
	Deflection		Access Point	Collection Point
	Oil Pipeline		Private Access Point	Water Intake



Containment Point Data Sheet

Location Name: 935.5-OR-KY-Midwest Terminal

General Information

From Completed By: Michelle Cozadd  
Illinois EPA  
Fire Department: NA  
Waterway Name: Ohio River  
Tributary of above name stream: NA

Date: 08.07.18  
County: McCracken  
Property Type: Private  
Waterway Type: River  
Other:

Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): 37.09698 Longitude (N): -88.601402  
River Mile (Identify Left or Right descending bank): OR 935.5 Left descending bank  
Access Instructions: Restricted to facility permission.

Reference Photos: 3 Midwest Terminal (OR 935.5) .JPG

Property Owner Information

Entity Name: Midwest Terminal  
Address: 725 N 5<sup>th</sup> St.  
City: Paducah, KY  
Zip: 42001

Comments: Bulk Liquid Facility  
Phone: 270.442.0362  
County Parcel Number: NA  
Email: NA

Containment Point Information

Tactical Purpose: Collection/Deflection  
Preferred: Alternate: X  
Bottom Type: NA

Boom Length (Feet): 500  
Permanent Anchors Installed? Yes

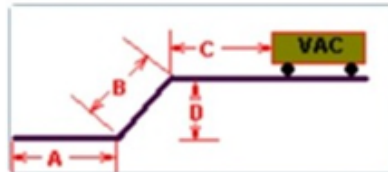
Average Water Depth: 20'  
Length of Hose Needed: NA  
Channel Depth: 30'

Operational Description: 1  
Dolphin Mooring  
Avg Channel Width: 3000'

Bank Description

Bank Type Left: NA

Bank Type Right: NA



A – Channel Width: NA

B – Slope Distance: NA

C – Distance to Operational Area: NA










D – Elevation Change (Vertical Draw): NA

Equipment & PPE

Boat Required: Yes  
PPE Information: NA

Containment Point Data Sheet



KEY					
	Booming		Water Flow		Staging Area
	Deflection		Access Point		Collection Point
	Oil Pipeline		Private Access Point		Water Intake

## Containment Point Data Sheet

Location Name: 935.6-OR-KY-Withdrawal Point

## General Information

**From Completed By:** Michelle Cozadd  
Illinois EPA  
**Fire Department:** NA  
**Waterway Name:** Ohio River  
**Tributary of above name stream:** NA

**Date:** 08.07.18  
**County:** McCracken  
**Property Type:** Private  
**Waterway Type:** River  
**Other:**

## Physical Location

**GPS Coordinates (Decimal Degrees) Latitude (W):** 37.098826 **Longitude (N):** -88.608057

**River Mile (Identify Left or Right descending bank):** OR935.6 Left descending bank

**Access Instructions:** Near NE corner of Ohio River Boat Launch (275 Burnett St.) Restricted to vessel. Land site access with permission from Paducah water works. Prone to closure during high water. 85-space parking area and fire lane boat ramp.

**Reference Photos:** 2 Paducah Water Works withdrawal point (OR 935.6) .JPG

## Property Owner Information

**Entity Name:** Paducah Water Works  
**Address:** 1800 N 8<sup>th</sup> Street  
**City:** Paducah, KY  
**Zip:** 42001

**Comments:**  
**Phone:** 270.442.2746  
**County Parcel Number:** NA  
**Email:** NA

## Containment Point Information

**Tactical Purpose:** Iso. to protect intake

**Preferred:** **Alternate:**

**Bottom Type:** NA

**Average Water Depth:** 20'

**Channel Depth:** 30'

**Avg Channel Width:** 3000'

**Length of Hose Needed:** NA

**Operational Description:** NA

**Boom Length (Feet):** 600

**Permanent Anchors Installed?** No

## Bank Description

**Bank Type Left:** NA

**Bank Type Right:** NA



**A – Channel Width:** NA

**B – Slope Distance:** NA

**C – Distance to Operational Area:** NA

**D – Elevation Change (Vertical Draw):** NA

## Equipment &amp; PPE

**Boat Required:** No

**PPE Information:** NA





KEY				
	Booming		Water Flow	Staging Area
	Deflection		Access Point	Collection Point
	Oil Pipeline		Private Access Point	Water Intake

## Containment Point Data Sheet

**Location Name:** 935.7-OR-KY Burnett Street Boat Ramp

### General Information

**From Completed By:** Michelle Cozadd  
Illinois EPA  
**Fire Department:** NA  
**Waterway Name:** Ohio River  
**Tributary of above name stream:** NA

**Date:** 08.07.18  
**County:** McCracken  
**Property Type:** Public Property  
**Waterway Type:** River  
**Other:**

### Physical Location

**GPS Coordinates (Decimal Degrees) Latitude (W):** 37.100264 **Longitude (N):** -88.610074  
**River Mile (Identify Left or Right descending bank):** OR935.7 Left descending bank  
**Access Instructions:** Intersection of North 6<sup>th</sup> and Burnett Street. Good Staging Area.  
Accessible finger pier.

**Reference Photos:** 1 Burnett St Boat Ramp (OR 935.7) .JPG

### Property Owner Information

**Entity Name:** City of Paducah Ohio River  
Boat Launch  
**Address:** 275 Burnett St.  
**City:** Paducah, KY  
**Zip:** 42001

**Comments:** Prone to closure during high water. 85-space parking area and fire lane boat ramp.  
**Phone:** 270.444.8508  
**County Parcel Number:** 1938439986  
**Email:** NA

### Containment Point Information

**Tactical Purpose:** Staging

**Preferred:** X **Alternate:**

**Bottom Type:** NA

**Average Water Depth:** 10'

**Channel Depth:** 35'

**Average Channel Width:** NA

**Length of Hose Needed:** NA

**Operational Description:** NA

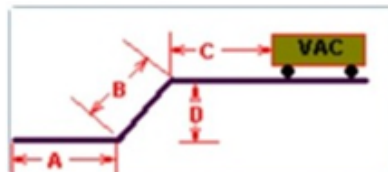
**Boom Length (Feet):** 200

**Permanent Anchors Installed?** No

### Bank Description

**Bank Type Left:** NA

**Bank Type Right:** NA



**A – Channel Width:** NA

**B – Slope Distance:** NA

**C – Distance to Operational Area:** NA

**D – Elevation Change (Vertical Draw):** NA

### Equipment & PPE

**Boat Required:** No

**PPE Information:** NA



Containment Point Data Sheet



KEY				
	Booming		Water Flow	Staging Area
	Deflection		Access Point	Collection Point
	Oil Pipeline		Private Access Point	Water Intake



Containment Point Data Sheet

Location Name: 937.3-OR-KY-US 45 Bridge

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**General Information**

From Completed By: MSTZ Battle  
Fire Department: NA  
Waterway Name: NA  
Tributary of above name stream: NA

Date: 08.07.18  
County: McCracken  
Property Type: NA  
Waterway Type: River  
Other:

**Physical Location**

GPS Coordinates (Decimal Degrees) Latitude (W): NA Longitude (N): NA  
River Mile (Identify Left or Right descending bank): 937.3  
Access Instructions: Pull off US45 before bridge. Heavily used.

Reference Photos: NA

**Property Owner Information**

Entity Name: NA  
Address: NA  
City: NA  
Zip: NA

Comments: NA  
Phone: NA  
County Parcel Number: NA  
Email: NA

**Containment Point Information**

Tactical Purpose: Collection  
Preferred: Alternate:  
Bottom Type: NA

Boom Length (Feet): NA  
Permanent Anchors Installed? NA

Average Water Depth: NA Channel Depth: NA Avg Channel Width: NA  
Length of Hose Needed: NA Operational Description: NA

**Bank Description**

Bank Type Left: NA

Bank Type Right: Mud bank

A – Channel Width: NA  
C – Distance to Operational Area: NA

B – Slope Distance: NA  
D – Elevation Change (Vertical Draw): NA

**Equipment & PPE**

Boat Required: No  
PPE Information: PFD

Containment Point Data Sheet



KEY			
	Booming		Water Flow
	Deflection		Access Point
	Oil Pipeline		Collection Point
			Private Access Point
			Water Intake
			Staging Area

## Containment Point Data Sheet

Location Name: 937.5-OR-IL Boat Ramp

## General Information

From Completed By: Blaine Kinsley (IEPA)

Date: 08.07.18

Fire Department: NA

County: Massac

Waterway Name: Ohio River

Property Type: Boat Ramp

Tributary of above name stream: NA

Waterway Type: River

Other:

## Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): 37.122

Longitude (N): -88.630

River Mile (Identify Left or Right descending bank): 937.5

Access Instructions: Through concrete flood wall off Ferry St., Brookport. May not be usable during high water.

Reference Photos: Looking forward left descending bank with bridge to left.

## Property Owner Information

Entity Name: Public Access

Comments: NA

Address: NA

Phone: NA

City: NA

County Parcel Number: NA

Zip: NA

Email: NA

## Containment Point Information

Tactical Purpose: Collection/Deflection

Boom Length (Feet): 100'

Preferred: X

Alternate:

Permanent Anchors Installed? No

Bottom Type: Soil/Sediment

Average Water Depth: NA

Operational Description:

Length of Hose Needed: 50'

Good for staging

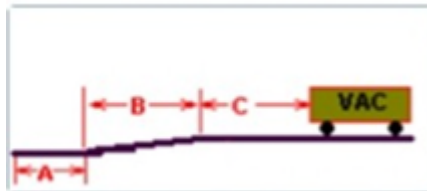
Channel Depth: NA

Avg Channel Width: NA

## Bank Description

Bank Type Left: NA

Bank Type Right: Concrete ramp



A – Channel Width: Unknown

B – Slope Distance: 40'-50'

C – Distance to Operational Area: 30'

D – Elevation Change (Vertical Draw): 10'










## Equipment &amp; PPE

Boat Required: No

PPE Information: PFD





KEY					
	Booming		Water Flow		Staging Area
	Deflection		Access Point		Collection Point
	Oil Pipeline		Private Access Point		Water Intake

Containment Point Data Sheet

Location Name: 937.7-OR-IL Boat Ramp

---

**General Information**

**From Completed By:** Blaine Kinsley (IEPA)

**Date:** 08.07.18

**Fire Department:** NA

**County:** Massac

**Waterway Name:** Ohio River

**Property Type:** Boat Ramp

**Tributary of above name stream:** NA

**Waterway Type:** River

**Other:**

**Physical Location**

**GPS Coordinates (Decimal Degrees) Latitude (W):** 37.12167    **Longitude (N):** -88.63500

**River Mile (Identify Left or Right descending bank):** Approx 937.7

**Access Instructions:** Off of W 3<sup>rd</sup> St. Over levee. May not be usable during high water.

**Reference Photos:** Looking towards left descending bank.

**Property Owner Information**

**Entity Name:** Public Access

**Comments:** NA

**Address:** NA

**Phone:** NA

**City:** NA

**County Parcel Number:** NA

**Zip:** NA

**Email:** NA

**Containment Point Information**

**Tactical Purpose:** Collection/Deflection

**Boom Length (Feet):** 100'

**Preferred:** X

**Alternate:**

**Permanent Anchors Installed?** No

**Bottom Type:** Soil/Sediment

**Average Water Depth:** NA

**Operational Description:**

**Length of Hose Needed:** 200'    Good for staging

**Channel Depth:** NA

**Avg Channel Width:** NA

**Bank Description**

**Bank Type Left:** NA

**Bank Type Right:** Rip Rap

**A – Channel Width:** Unknown

**B – Slope Distance:** 50'

**C – Distance to Operational Area:** 150'










**D – Elevation Change (Vertical Draw):** 25'

**Equipment & PPE**

**Boat Required:** No

**PPE Information:** PFD



KEY					
	Booming		Water Flow		Staging Area
	Deflection		Access Point		Collection Point
	Oil Pipeline		Private Access Point		Water Intake



Containment Point Data Sheet

Location Name: 939.0-OR-KY-Dam

General Information

From Completed By: Mac Cann  
Fire Department: NA  
Waterway Name: NA  
Tributary of above name stream: NA

Date: 08.07.18  
County: McCracken  
Property Type: Private  
Waterway Type: River  
Other:

Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): 37.12609 Longitude (N): -88.65420  
River Mile (Identify Left or Right descending bank): 939.0  
Access Instructions: By Boat. Famers field

Reference Photos: NA

Property Owner Information

Entity Name: Unknown  
Address: NA  
City: NA  
Zip: NA

Comments: NA  
Phone: NA  
County Parcel Number: NA  
Email: NA

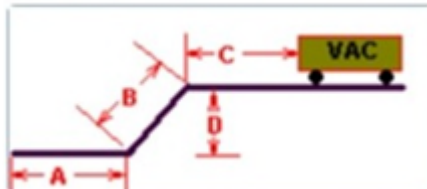
Containment Point Information

Tactical Purpose: PAM across river  
Preferred: Alternate:  
Bottom Type: NA  
Average Water Depth: NA Channel Depth: NA Avg Channel Width: NA  
Length of Hose Needed: NA Operational Description: NA  
Boom Length (Feet): NA  
Permanent Anchors Installed? NA

Bank Description

Bank Type Left: NA

Bank Type Right: Concrete ramp



A – Channel Width: NA

B – Slope Distance: NA










C – Distance to Operational Area: NA

D – Elevation Change (Vertical Draw): NA

Equipment & PPE

Boat Required: Yes  
PPE Information: PFD



KEY					
	Booming		Water Flow		Staging Area
	Deflection		Access Point		Collection Point
	Oil Pipeline		Private Access Point		Water Intake

Containment Point Data Sheet

Location Name: 940.8-OR-IL I-24 Bridge

General Information

From Completed By: Blaine Kinsley (IEPA)  
Fire Department: NA  
Waterway Name: Ohio River  
Tributary of above name stream: NA

Date: 08.07.18  
County: Massac  
Property Type: NA  
Waterway Type: River  
Other:

Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): 37.13944 Longitude (N): -88.6847  
River Mile (Identify Left or Right descending bank): 940.8  
Access Instructions: Gravel road on east side of I-24 leads to river below bridge.

Reference Photos: Looking towards left descending bank with bridge.

Property Owner Information

Entity Name: Public Access  
Address: NA  
City: NA  
Zip: NA

Comments: NA  
Phone: NA  
County Parcel Number: NA  
Email: NA

Containment Point Information

Tactical Purpose: Collection/Deflection  
Preferred: Alternate: X  
Bottom Type: Soil/Sediment

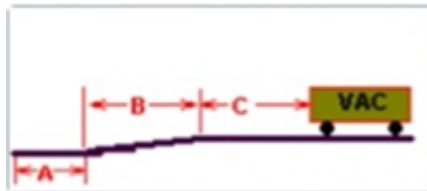
Boom Length (Feet): 200'  
Permanent Anchors Installed? No

Average Water Depth: NA Operational Description: Avg Channel Width: NA  
Length of Hose Needed: 100' Some staging, only usable  
Channel Depth: NA during high water.

Bank Description

Bank Type Left: NA

Bank Type Right: Concrete ramp



A – Channel Width: Unknown

B – Slope Distance: 25'

C – Distance to Operational Area: 30'

D – Elevation Change (Vertical Draw): 15'

Equipment & PPE

Boat Required: No

PPE Information: PFD



# Paducah, KY & Metropolis, IL

## Containment Point Data Sheet



### KEY

	Booming		Water Flow		Staging Area
	Deflection		Access Point		Collection Point
	Oil Pipeline		Private Access Point		Water Intake

Containment Point Data Sheet

Location Name: 940.8-OR-KY-I24 Bridge

General Information

From Completed By: MSTZ Battle  
Fire Department: NA  
Waterway Name: Ohio River  
Tributary of above name stream: NA

Date: 08.07.18  
County: McCracken  
Property Type: NA  
Waterway Type: River  
Other:

Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): NA Longitude (N): NA  
River Mile (Identify Left or Right descending bank): 940.8  
Access Instructions: NA

Reference Photos: NA

Property Owner Information

Entity Name: I-24 Bridge  
Address: NA  
City: NA  
Zip: NA

Comments: NA  
Phone: NA  
County Parcel Number: NA  
Email: NA

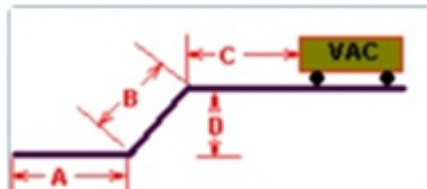
Containment Point Information

Tactical Purpose: Highway  
Preferred: X Alternate:  
Bottom Type: NA  
Average Water Depth: NA Channel Depth: NA Avg Channel Width: NA  
Length of Hose Needed: NA Operational Description: NA  
Boom Length (Feet): NA  
Permanent Anchors Installed? Yes

Bank Description

Bank Type Left: NA

Bank Type Right: Concrete ramp



A – Channel Width: NA

B – Slope Distance: 1500'

C – Distance to Operational Area: 90










D – Elevation Change (Vertical Draw): 20'

Equipment & PPE

Boat Required: Yes  
PPE Information: PFD

Containment Point Data Sheet



KEY					
	Booming		Water Flow		Staging Area
	Deflection		Access Point		Collection Point
	Oil Pipeline		Private Access Point		Water Intake



Containment Point Data Sheet

Location Name: 942.2-OR-IL Fort Massac Boat Ramp

General Information

From Completed By: Blaine Kinsley (IEPA)  
Fire Department: NA  
Waterway Name: Ohio River  
Tributary of above name stream: NA

Date: 08.07.18  
County: Massac  
Property Type: Boat Ramp  
Waterway Type: River  
Other:

Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): 37.14278 Longitude (N): -88.7108

River Mile (Identify Left or Right descending bank): 942.2

Access Instructions:

Reference Photos: Look toward left descending bank

Property Owner Information

Entity Name: NA  
Address: NA  
City: NA  
Zip: NA

Comments: NA  
Phone: NA  
County Parcel Number: NA  
Email: NA

Containment Point Information

Tactical Purpose: Collection/staging

Boom Length (Feet): 100'

Preferred: X Alternate:

Permanent Anchors Installed? NA

Bottom Type: Soil/Sediment

Average Water Depth: NA

Operational Description:

Length of Hose Needed: 30'

Usable during all conditions

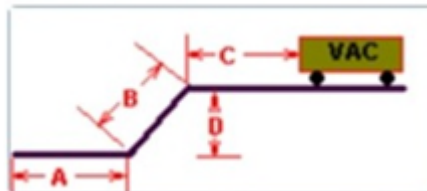
Channel Depth: NA

Avg Channel Width: NA

Bank Description

Bank Type Left: NA

Bank Type Right: Concrete ramp



A – Channel Width: NA

B – Slope Distance: 175'

C – Distance to Operational Area: 100'

D – Elevation Change (Vertical Draw): 30'










Equipment & PPE

Boat Required: No

PPE Information: PFD

Containment Point Data Sheet



KEY					
	Booming		Water Flow		Staging Area
	Deflection		Access Point		Collection Point
	Oil Pipeline		Private Access Point		Water Intake

Containment Point Data Sheet

Location Name: 942.7-OR-IL-Massac Creek

General Information

From Completed By: MSTZ Battle  
Fire Department: NA  
Waterway Name: NA  
Tributary of above name stream: NA

Date: 08.07.18  
County: Massac  
Property Type: NA  
Waterway Type: River  
Other:

Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): NA Longitude (N): NA  
River Mile (Identify Left or Right descending bank): 942.7  
Access Instructions: Water access only

Reference Photos: NA

Property Owner Information

Entity Name: NA  
Address: NA  
City: NA  
Zip: NA

Comments: NA  
Phone: NA  
County Parcel Number: NA  
Email: NA

Containment Point Information

Tactical Purpose: NA  
Preferred: Alternate:  
Bottom Type: NA  
Average Water Depth: NA Channel Depth: NA Avg Channel Width: NA  
Length of Hose Needed: NA Operational Description: NA  
Boom Length (Feet): NA  
Permanent Anchors Installed? NA

Bank Description

Bank Type Left: NA

Bank Type Right: Concrete ramp



A – Channel Width: NA

B – Slope Distance: 300'

C – Distance to Operational Area: 90

D – Elevation Change (Vertical Draw): 20'

Equipment & PPE

Boat Required: No  
PPE Information: PFD



Containment Point Data Sheet



KEY				
	Booming		Water Flow	Staging Area
	Deflection		Access Point	Collection Point
	Oil Pipeline		Private Access Point	Water Intake

## Containment Point Data Sheet

Location Name: 943.0-943.3 Metropolis fleet mooring

### General Information

From Completed By: MSTZ Battle  
Fire Department: NA  
Waterway Name: Ohio River  
Tributary of above name stream: NA

Date: 08.07.18  
County: McCracken  
Property Type: NA  
Waterway Type: River  
Other:

### Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): NA Longitude (N): NA  
River Mile (Identify Left or Right descending bank): 943.0-943.3  
Access Instructions: NA

Reference Photos: NA

### Property Owner Information

Entity Name: Fleet Mooring  
Address: NA  
City: NA  
Zip: NA

Comments: NA  
Phone: NA  
County Parcel Number: NA  
Email: NA

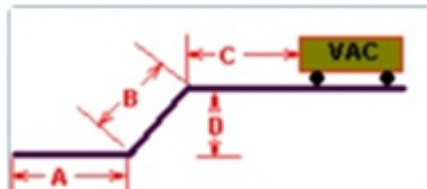
### Containment Point Information

Tactical Purpose: NA  
Preferred: Alternate: X  
Bottom Type: NA  
Average Water Depth: NA Channel Depth: NA Avg Channel Width: NA  
Length of Hose Needed: NA Operational Description: NA  
Boom Length (Feet): NA  
Permanent Anchors Installed? NA

### Bank Description

Bank Type Left: NA

Bank Type Right: Concrete ramp



A – Channel Width: NA

B – Slope Distance: 50'

C – Distance to Operational Area: 90

D – Elevation Change (Vertical Draw): 15'

### Equipment & PPE

Boat Required: No

PPE Information: PFD



Site Description  
Notes: Private Property  
Permission Needed



## Containment Point Data Sheet

**Location Name:** 944 Harrah's Casino-Market St Boat Ramp IL

### General Information

**From Completed By:** Robert Francis  
**Fire Department:** Metropolis Fire Dept.  
**Waterway Name:** Ohio River  
**Tributary of above name stream:** NA

**Date:** 08.07.18  
**County:** Massac  
**Property Type:** Private  
**Waterway Type:** River  
**Other:**

### Physical Location

**GPS Coordinates (Decimal Degrees) Latitude (W):** 37.146840 **Longitude (N):** -88.737626

**River Mile (Identify Left or Right descending bank):** 944.0

**Access Instructions:** Narrow – Single lane ramp. Pared

**Reference Photos:** Harrah's Casino-Boat ramp-right descending bank RM 944.0

### Property Owner Information

**Entity Name:** Harrah's Casino  
**Address:** Market St.  
**City:** Metropolis  
**Zip:** NA

**Comments:** Public access  
**Phone:** NA  
**County Parcel Number:** NA  
**Email:** NA

### Containment Point Information

**Tactical Purpose:** Access/Staging

**Preferred:** **Alternate:**

**Bottom Type:** Sandy/muddy

**Average Water Depth:** 10'

**Length of Hose Needed:** NA

**Channel Depth:** NA

**Operational Description:** NA

**Boom Length (Feet):** NA

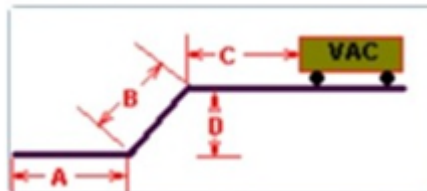
**Permanent Anchors Installed?** NA

**Avg Channel Width:** NA

### Bank Description

**Bank Type Left:** NA

**Bank Type Right:** Right Descending



**A – Channel Width:** NA

**C – Distance to Operational Area:** NA

**B – Slope Distance:** NA










**D – Elevation Change (Vertical Draw):** NA

### Equipment & PPE

**Boat Required:** Yes

**PPE Information:** PFD



KEY					
	Booming		Water Flow		Staging Area
	Deflection		Access Point		Collection Point
	Oil Pipeline		Private Access Point		Water Intake

## Containment Point Data Sheet

Location Name: 944.0-OR-KY-NonContainer Terminal

### General Information

From Completed By: MSTZ Battle  
Fire Department: NA  
Waterway Name: Ohio River  
Tributary of above name stream: NA

Date: 08.07.18  
County: McCracken  
Property Type: NA  
Waterway Type: River  
Other:

### Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): NA Longitude (N): NA  
River Mile (Identify Left or Right descending bank): 944.0  
Access Instructions: NA

Reference Photos: NA

### Property Owner Information

Entity Name: NA  
Address: NA  
City: NA  
Zip: NA

Comments: NA  
Phone: NA  
County Parcel Number: NA  
Email: NA

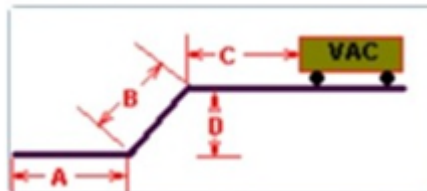
### Containment Point Information

Tactical Purpose: NA  
Preferred: Alternate:  
Bottom Type: NA  
Average Water Depth: NA Channel Depth: NA Avg Channel Width: NA  
Length of Hose Needed: NA Operational Description: NA  
Boom Length (Feet): NA  
Permanent Anchors Installed? NA

### Bank Description

Bank Type Left: NA

Bank Type Right: Concrete ramp



A – Channel Width: NA

B – Slope Distance: 50'

C – Distance to Operational Area: 90

D – Elevation Change (Vertical Draw): 15'

### Equipment & PPE

Boat Required: Yes  
PPE Information: PFD



Containment Point Data Sheet



## Containment Point Data Sheet

**Location Name:** 944.2-OR-KY-CPNI Railroad Bridge

### General Information

**From Completed By:** C. Mac Cann (ERT KDEP)  
**Fire Department:** NA  
**Waterway Name:** Ohio River  
**Tributary of above name stream:** NA

**Date:** 08.07.18  
**County:** McCracken  
**Property Type:** NA  
**Waterway Type:** River  
**Other:**

### Physical Location

**GPS Coordinates (Decimal Degrees) Latitude (W):** NA **Longitude (N):** NA  
**River Mile (Identify Left or Right descending bank):** 944.2  
**Access Instructions:** Follow road to boat ramp

**Reference Photos:** NA

### Property Owner Information

**Entity Name:** CND+I Rail Bridge  
**Address:** NA  
**City:** NA  
**Zip:** NA

**Comments:** NA  
**Phone:** NA  
**County Parcel Number:** NA  
**Email:** NA

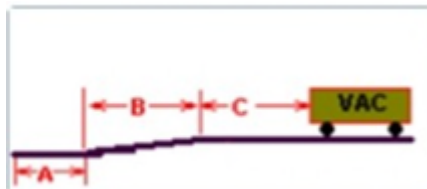
### Containment Point Information

**Tactical Purpose:** NA **Boom Length (Feet):** NA  
**Preferred:** **Alternate:** X **Permanent Anchors Installed?** NA  
**Bottom Type:** NA  
**Average Water Depth:** NA **Channel Depth:** NA **Avg Channel Width:** NA  
**Length of Hose Needed:** NA **Operational Description:** NA

### Bank Description

**Bank Type Left:** NA

**Bank Type Right:** Concrete ramp



**A – Channel Width:** NA

**B – Slope Distance:** 50'

**C – Distance to Operational Area:** 90

**D – Elevation Change (Vertical Draw):** 15

### Equipment & PPE

**Boat Required:** NA

**PPE Information:** PFD



Site Description

**Notes:** Private Property  
Permission Needed



Containment Point Data Sheet

Location Name: 951 Joppa-North Ave Boat Ramp IL

General Information

From Completed By: Robert Francis  
Fire Department: NA  
Waterway Name: Ohio River  
Tributary of above name stream: NA

Date: 08.07.18  
County: Massac  
Property Type: Property  
Waterway Type: River  
Other:

Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): 37.12025 Longitude (N): -88.50697  
River Mile (Identify Left or Right descending bank): Right descending bank  
Access Instructions: 2 lane paved ramp

Reference Photos: NA

Property Owner Information

Entity Name: City of Joppa  
Address: North Ave.  
City: NA  
Zip: NA

Comments: Public Access  
Phone: NA  
County Parcel Number: NA  
Email: NA

Containment Point Information

Tactical Purpose: Access/Containment  
Preferred: Alternate:

Boom Length (Feet): Varies  
Permanent Anchors Installed? Yes  
(Trees)

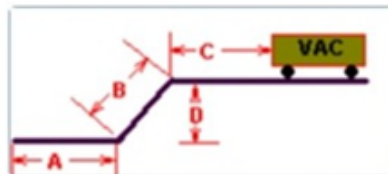
Bottom Type: Muddy/Sandy  
Average Water Depth: 17'  
Length of Hose Needed: 50'  
Channel Depth: 17'

Operational Description:  
Pavement/Grass  
Avg Channel Width: 3163

Bank Description

Bank Type Left: NA

Bank Type Right: Rip Rap



A – Channel Width: 600  
C – Distance to Operational Area: 40'

B – Slope Distance: 15'  
D – Elevation Change (Vertical Draw): 10'

Equipment & PPE

Boat Required: Yes  
PPE Information: PFD



KEY				
	Booming		Water Flow	Staging Area
	Deflection		Access Point	Collection Point
	Oil Pipeline		Private Access Point	Water Intake

Containment Point Data Sheet

Location Name: 956.5-OR-KY-Boat Ramp

General Information

From Completed By: MSTZ Battle  
Fire Department: NA  
Waterway Name: Ohio River  
Tributary of above name stream: NA

Date: 08.07.18  
County: NA  
Property Type: Boat Ramp  
Waterway Type: River  
Other:

Physical Location

GPS Coordinates (Decimal Degrees) Latitude (W): NA Longitude (N): NA  
River Mile (Identify Left or Right descending bank): 956.5  
Access Instructions: Follow Road

Reference Photos: NA

Property Owner Information

Entity Name: NA  
Address: NA  
City: NA  
Zip: NA

Comments: NA  
Phone: NA  
County Parcel Number: NA  
Email: NA

Containment Point Information

Tactical Purpose: NA  
Preferred: Alternate: X  
Bottom Type: NA  
Average Water Depth: NA Channel Depth: NA Avg Channel Width: NA  
Length of Hose Needed: NA Operational Description: NA  
Boom Length (Feet): NA  
Permanent Anchors Installed? NA

Bank Description

Bank Type Left: NA

Bank Type Right: Dirt/mud bank



A – Channel Width: NA

B – Slope Distance: NA

C – Distance to Operational Area: NA

D – Elevation Change (Vertical Draw): NA

Equipment & PPE

Boat Required: NA  
PPE Information: PFD



**Paducah, KY & Metropolis, IL**

**Containment Point Data Sheet**



## ATTACHMENT 3

### LINKS TO RESPONSE PLANS

National Contingency Plan

<https://www.epa.gov/emergency-response/national-contingency-plan-product-schedule-toxicity-and-effectiveness-summaries>

RRT 4 Regional Area Contingency Plan

[https://www.nrt.org/site/doc\\_list.aspx?site\\_id=52](https://www.nrt.org/site/doc_list.aspx?site_id=52)

Region 5 Regional Response Team

<http://www.rrt5.org/Home.aspx>

U.S. EPA Region 5 Regional Contingency Plan/Area Contingency Plan

<http://rrt5.org/RCPACPMMain.aspx>

Habitat Fact Sheets

<http://umrba.org/spillplans.htm>

Describes procedures to decontaminate the following habit species if contaminated with oil:

- 1) Deep Marsh Annual
- 2) Deep Marsh Perennial
- 3) Open Water
- 4) Populus Community
- 5) Rooted-Floating Aquatics
- 6) Sedge Meadow
- 7) Shallow Marsh Annual
- 8) Shallow Marsh Perennial
- 9) Submersed Vegetation
- 10) Wet Meadow

U.S. EPA Region 4 Ohio River Umbrella Plan

[https://archive.epa.gov/emergencies/content/fss/web/pdf/a\\_smith\\_04.pdf](https://archive.epa.gov/emergencies/content/fss/web/pdf/a_smith_04.pdf)

USCG Response Resource Inventory

<https://cgrri.uscg.mil/UserReports/WebClassificationReport.aspx>

## **ATTACHMENT 4**

### **OVERVIEW MAP OF AREA OF RESPONSE**





## **ATTACHMENT 5**

### **COE River Navigation Charts**

U.S. Navigation Lights:

Daybeacons  
USCG LIGHT & DAYMARK



WATER WORKS LIGHT &  
DAYMARKS 792.0  
FL G4s SG(U), SG(D)

Buoys:

Can (Green)



Nun (Red)



Junction (Red/Green)



Hazard (Lighted)



Arrival Point for Lockage



Spot Elevations

+302

Mile Marker



Sailing Line



Secondary Sailing Line



Aerial Crossing



Submarine Crossing:

Pipeline



Cable



Commercial Docks:

Cells



Intake



Diffusion Outfall Pipe



Dolphin



Recreational Facilities:

Launching Ramp



Dock or Marina



Ordinary High Water Elevation: OHW 376.6

Miscellaneous:

Coast Guard Station



Tank



Tower



Ferry



Crane



Danger Area



Fleeting Area



Restricted Area



Flow Arrow



Federal Mooring Buoy



Gages



Ice Breaker



Land Features:

Revetment/Rip Rap



Swamp



Levee/Flood Wall



Rock Wall



Dike (Top Elev. Shown)



Wrecks:

Visible Wreck



Submerged Wreck



Submerged Wreck  
(Depth Known)



Bottom Information:

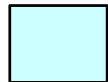
Land Above



Project Pool

Water, with Less Than 9'

Depth at Project Pool



Water, with 9' or More

Depth at Project Pool



Drying Height, Area that

is Dry at Project Pool



Rock



State Boundary



County Boundary



North Arrow

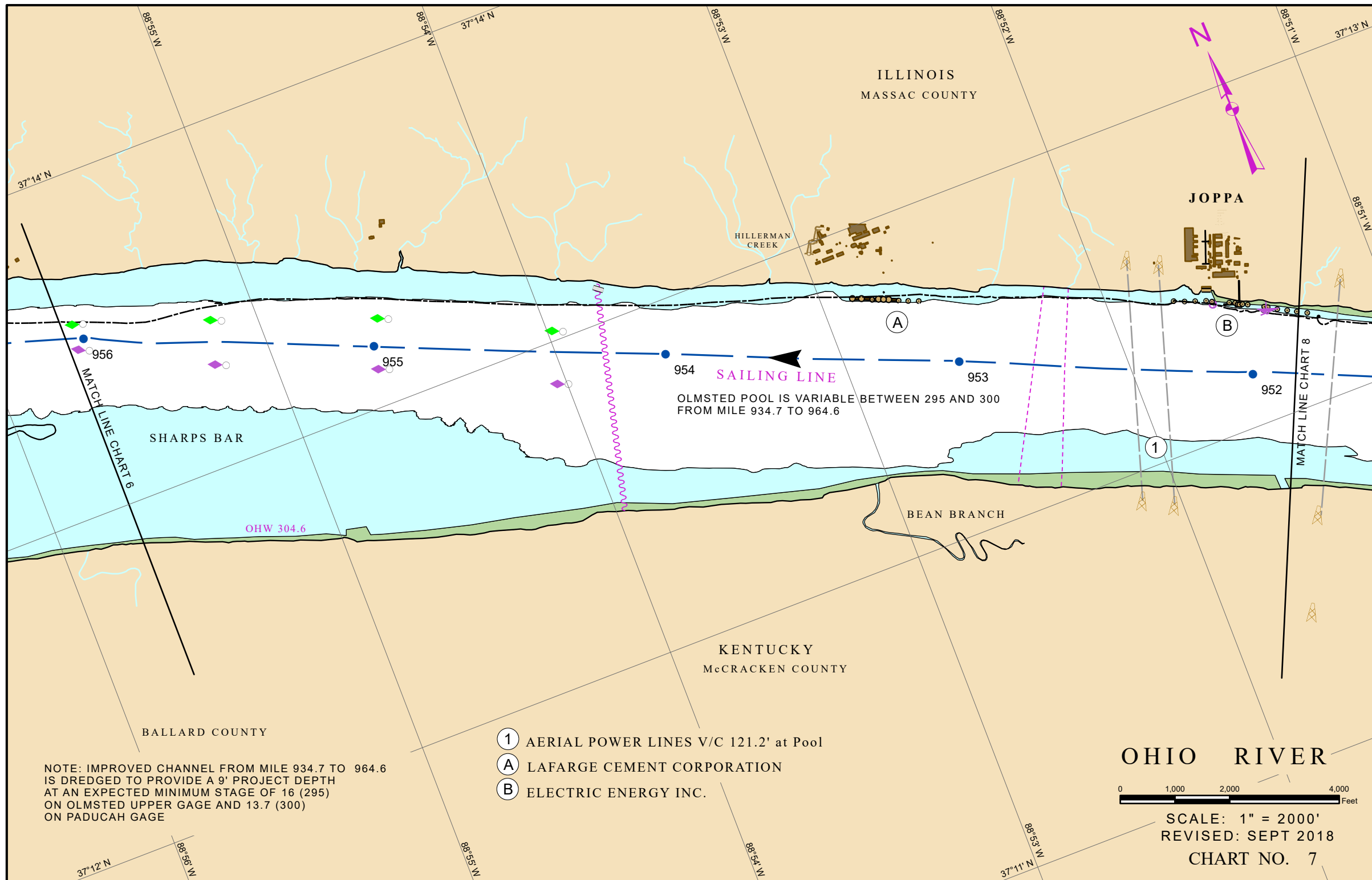


LEGEND

OHIO RIVER

LOUISVILLE DISTRICT





ILLINOIS  
MASSAC COUNTY

JOPPA

HILLERMAN  
CREEK

SHARPS BAR

BEAN BRANCH

KENTUCKY  
McCRACKEN COUNTY

BALLARD COUNTY

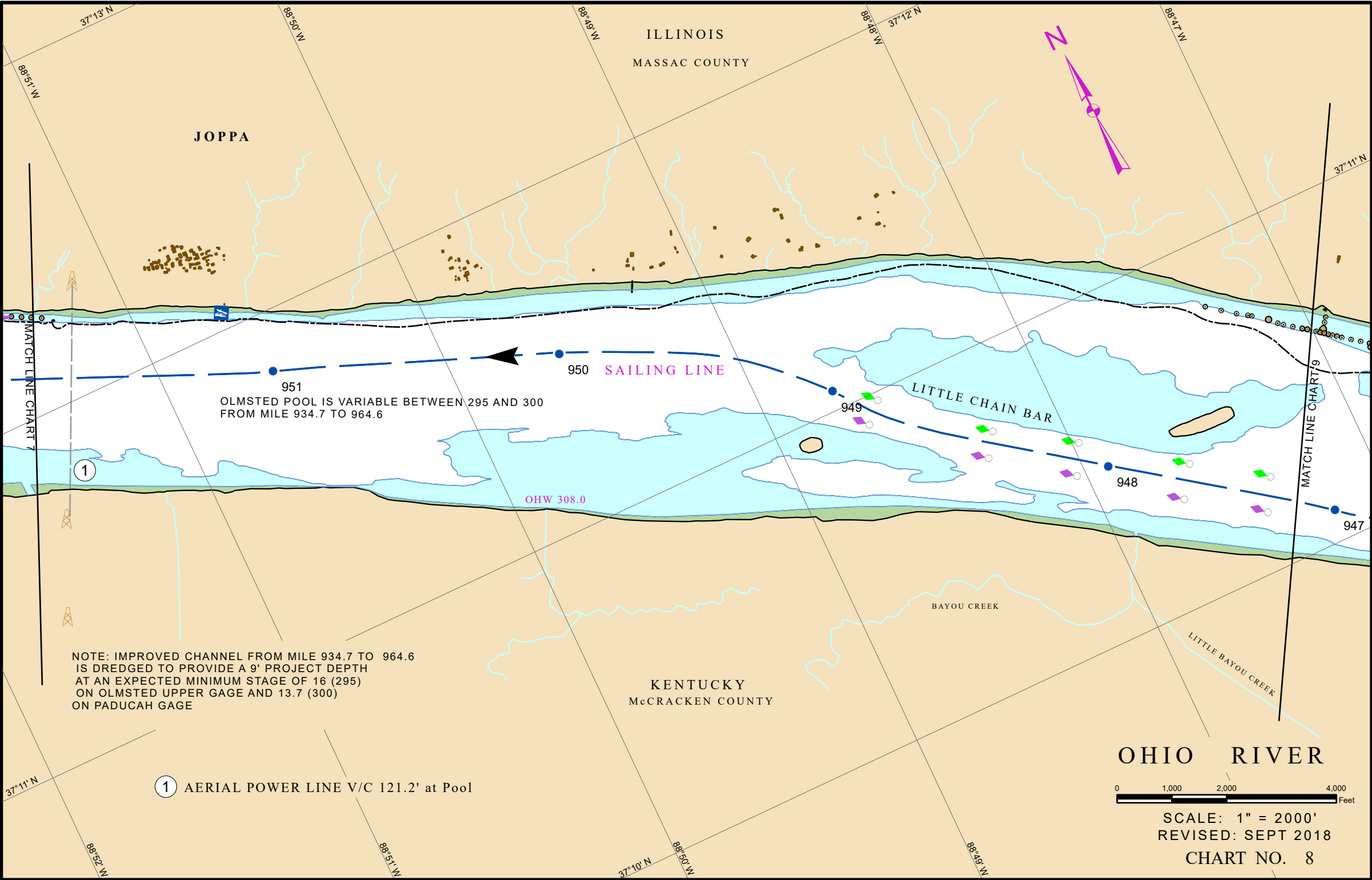
NOTE: IMPROVED CHANNEL FROM MILE 934.7 TO 964.6  
IS DREDGED TO PROVIDE A 9' PROJECT DEPTH  
AT AN EXPECTED MINIMUM STAGE OF 16 (295)  
ON OLMSTED UPPER GAGE AND 13.7 (300)  
ON PADUCAH GAGE

- ① AERIAL POWER LINES V/C 121.2' at Pool
- Ⓐ LAFARGE CEMENT CORPORATION
- Ⓑ ELECTRIC ENERGY INC.

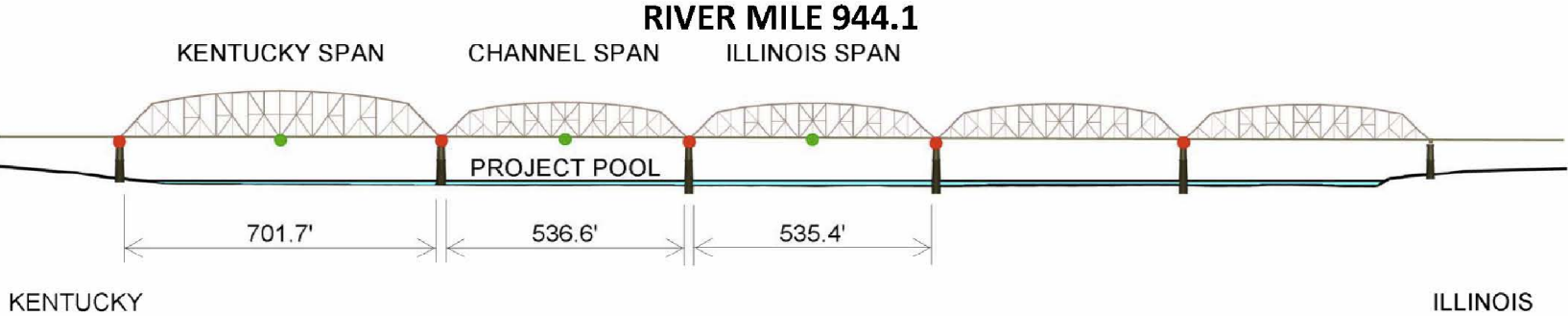
OHIO RIVER

0 1,000 2,000 4,000  
Feet

SCALE: 1" = 2000'  
REVISED: SEPT 2018  
CHART NO. 7



**PADUCAH & ILLINOIS RAILROAD BRIDGE**



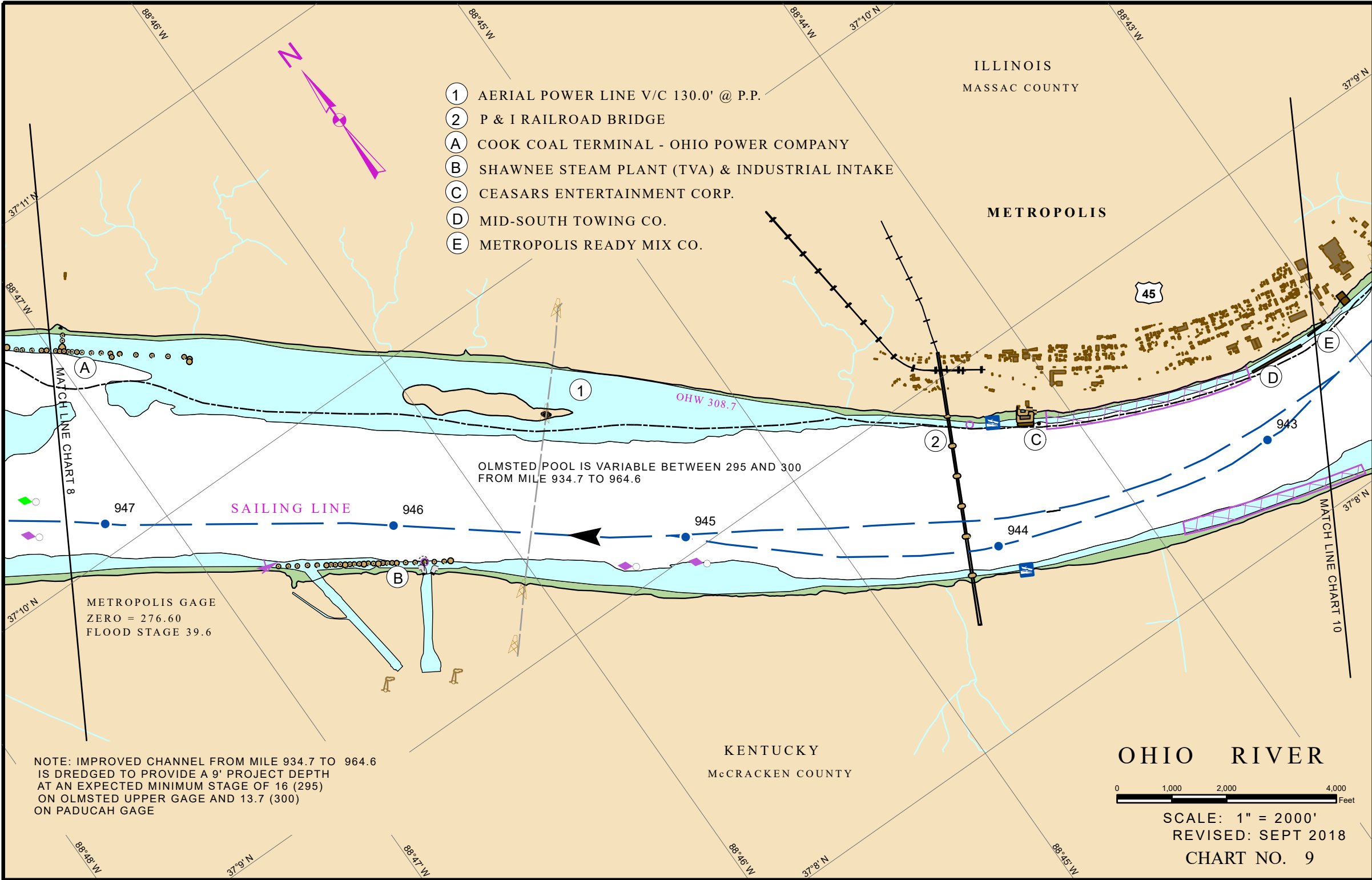
**DOWNSTREAM VIEW**

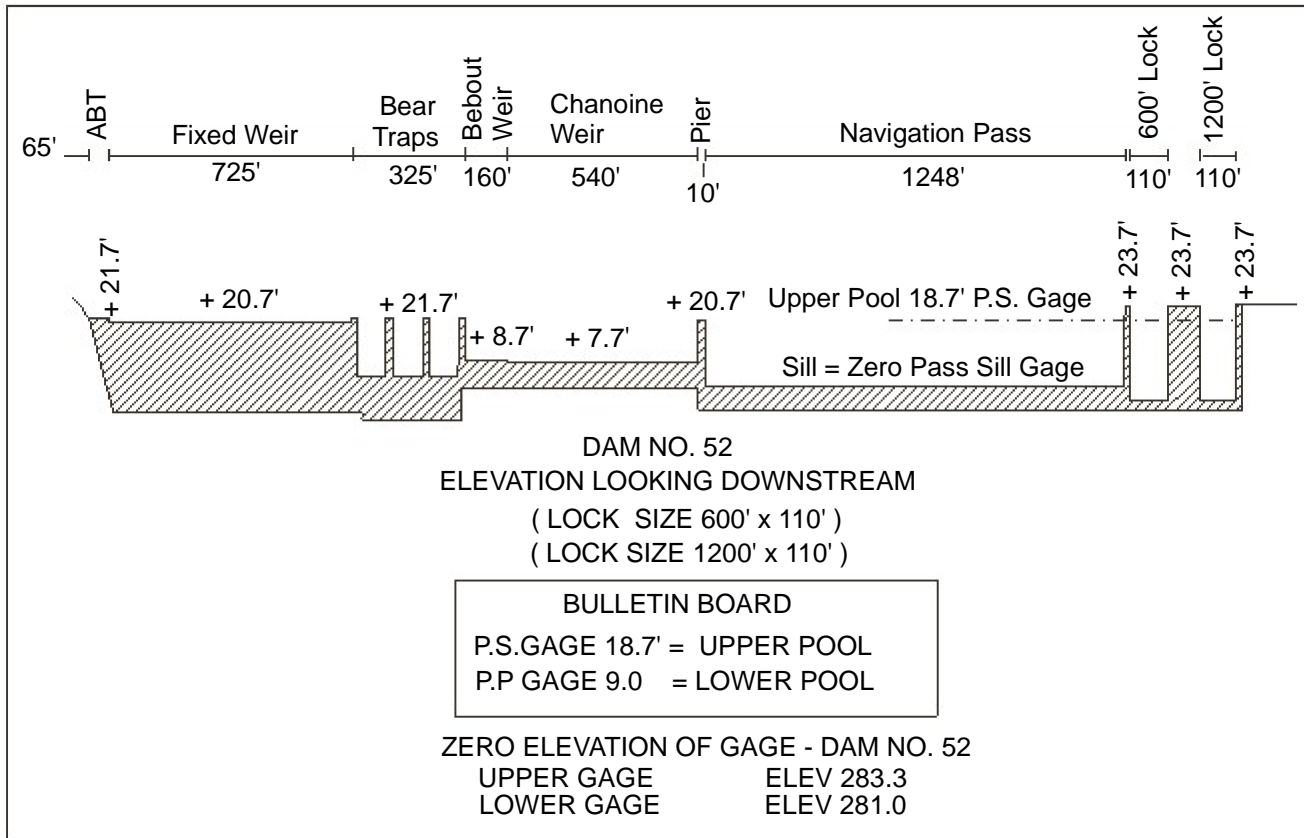
PROJECT POOL STAGE	
DATUM	ELEV.
OHIO RIVER DATUM	290.00
NGVD 29	289.33
NAVD 88	289.22

KENTUCKY SPAN									
VERTICAL DATUM	OHIO RIVER DATUM (ORD)			NGVD 29			NAVD 88		
LOCATION	KY PIER	CENTER	IL PIER	KY PIER	CENTER	IL PIER	KY PIER	CENTER	IL PIER
ELEVATION OF LOW STEEL	389.7	390.1	389.7	389.0	389.4	389.0	388.9	389.3	388.9
VERT. CLEARANCE AT PROJECT POOL STAGE	99.7	100.1	99.7	99.7	100.1	99.7	99.7	100.1	99.7
CHANNEL SPAN									
LOCATION	KY PIER	CENTER	IL PIER	KY PIER	CENTER	IL PIER	KY PIER	CENTER	IL PIER
ELEVATION OF LOW STEEL	390.9	389.5	388.7	390.2	388.8	388.0	390.1	388.7	387.9
VERT. CLEARANCE AT PROJECT POOL STAGE	100.9	99.5	98.7	100.9	99.5	98.7	100.9	99.5	98.7
ILLINOIS SPAN									
LOCATION	KY PIER	CENTER	IL PIER	KY PIER	CENTER	IL PIER	KY PIER	CENTER	IL PIER
ELEVATION OF LOW STEEL	388.6	388.0	386.8	387.9	387.3	386.1	387.8	387.2	386.0
VERT. CLEARANCE AT PROJECT POOL STAGE	98.6	98.0	96.8	98.6	98.0	96.8	98.6	98.0	96.8

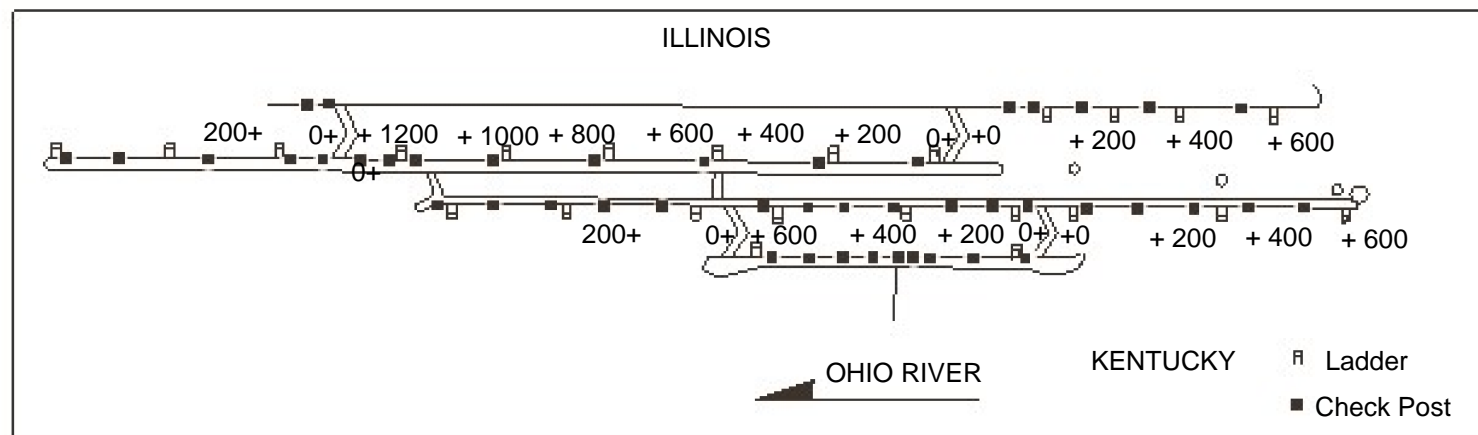
NOTE: ALL UNITS ARE IN FEET

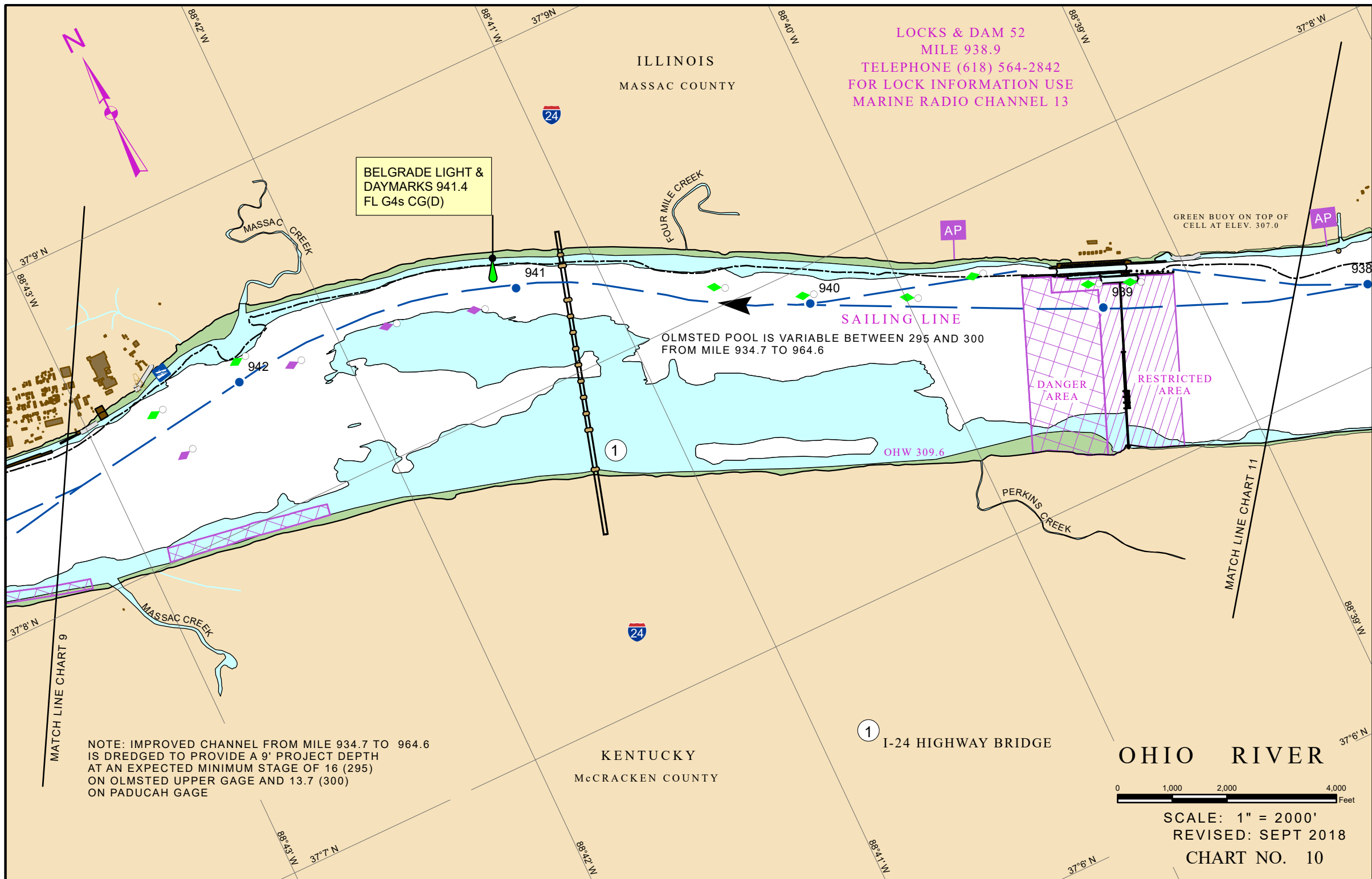






SEE DRAFT RESTRICTIONS  
BACK OF CHART PAGE 10





LOCKS & DAM 52  
MILE 938.9  
TELEPHONE (618) 564-2842  
FOR LOCK INFORMATION USE  
MARINE RADIO CHANNEL 13

BELGRADE LIGHT &  
DAYMARKS 941.4  
FL G4s CG(D)

FOUR MILE CREEK

GREEN BUOY ON TOP OF  
CELL AT ELEV. 307.0

SAILING LINE

OLMSTED POOL IS VARIABLE BETWEEN 295 AND 300  
FROM MILE 934.7 TO 964.6

OHW 309.6

DANGER  
AREA

RESTRICTED  
AREA

PERKINS CREEK

NOTE: IMPROVED CHANNEL FROM MILE 934.7 TO 964.6  
IS DREDGED TO PROVIDE A 9' PROJECT DEPTH  
AT AN EXPECTED MINIMUM STAGE OF 16 (295)  
ON OLMSTED UPPER GAGE AND 13.7 (300)  
ON PADUCAH GAGE

1 I-24 HIGHWAY BRIDGE

OHIO RIVER

0 1,000 2,000 4,000  
Feet

SCALE: 1" = 2000'  
REVISED: SEPT 2018

CHART NO. 10



# DAM 52

## DRAFT RESTRICTIONS

### LD52 600ft Chamber Draft Restrictions

Lower Gage (ft)	Draft in Tenths (ft)	Draft in Feet and Inches
8.0	9.1	9'-1.2"
8.1	9.2	9'-2.4"
8.2	9.3	9'-3.6"
8.3	9.4	9'-4.8"
8.4	9.5	9'-6"
8.5	9.6	9'-7.2"
8.6	9.7	9'-8.4"
8.7	9.8	9'-9.6"
8.8	9.9	9'-10.8"
8.9	10.0	10'-0"
9.0	10.1	10'-1.2"
9.1	10.2	10'-2.4"
9.2	10.3	10'-3.6"
9.3	10.4	10'-4.8"
9.4	10.5	10'-6"
9.5	10.6	10'-7.2"
9.6	10.7	10'-8.4"
9.7	10.8	10'-9.6"
9.8	10.9	10'-10.8"
9.9	11.0	11'-0"

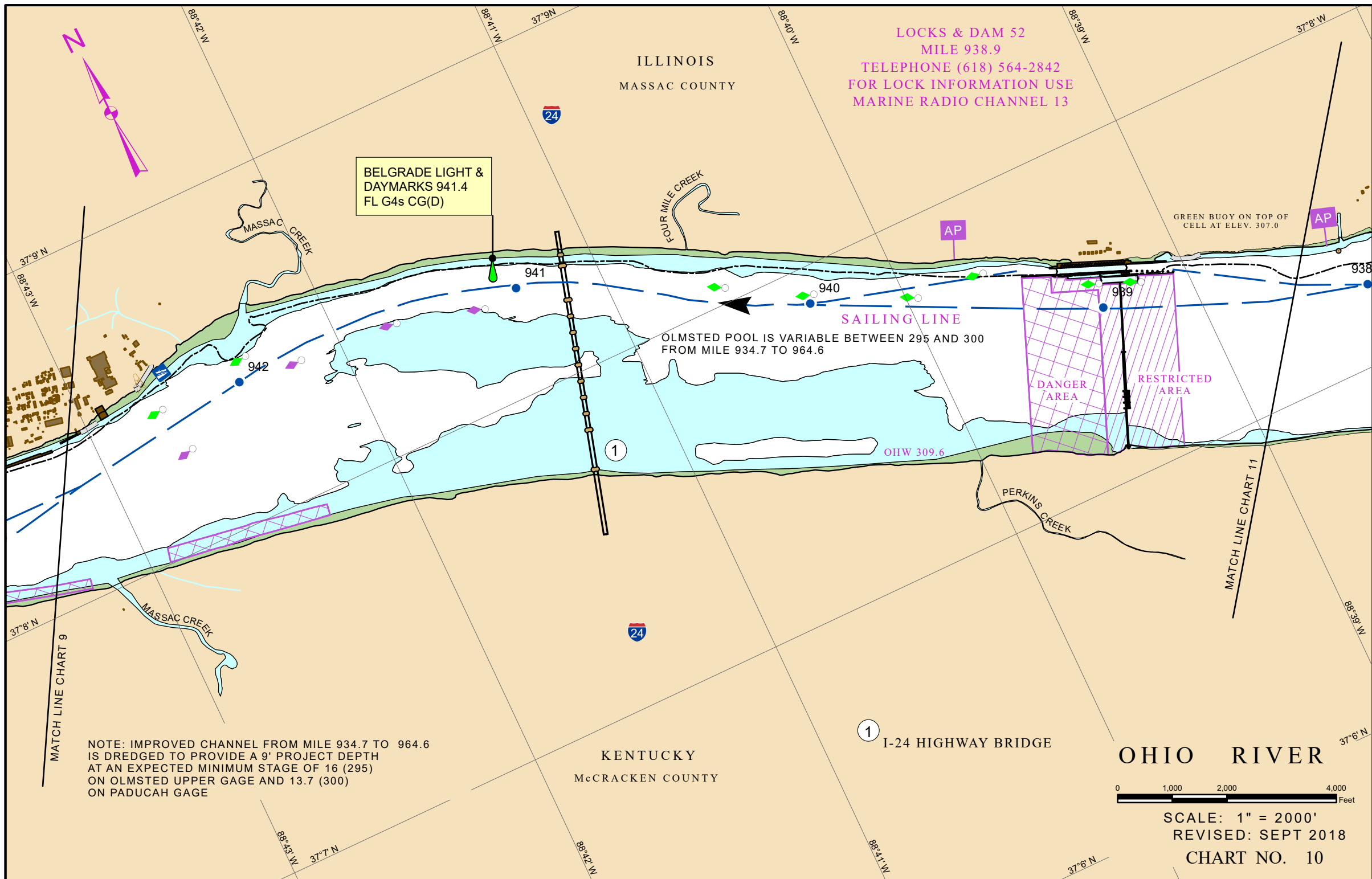
### LD52 1200ft Chamber Draft Restrictions

Lower Gage (ft)	Draft in Tenths (ft)	Draft in Feet and Inches
8.5	9.0	9'-0"
8.6	9.1	9'-1.2"
8.7	9.2	9'-2.4"
8.8	9.3	9'-3.6"
8.9	9.4	9'-4.8"
9.0	9.5	9'-6"
9.1	9.6	9'-7.2"
9.2	9.7	9'-8.4"
9.3	9.8	9'-9.6"
9.4	9.9	9'-10.8"
9.5	10.0	10'-0"
9.6	10.1	10'-1.2"
9.7	10.2	10'-2.4"
9.8	10.3	10'-3.6"
9.9	10.4	10'-4.8"

Chart #	Mile	Location	Owner/Operator/Feature	Type of Freight/Service	Mechanical Apparatus	In-water Structures
1	981.0 R	Cairo, IL	City of Cairo boat ramp			
1	979.5 R	Cairo, IL	Waterfront Services Co.	Marine supplies	Floating crane with transloading from ramp and gangplank	
1	979.2 R	Cairo, IL	Ergon Marine & Industrial Supply boat ramp			
1	979.1 R	Cairo, IL	City of Cairo boat ramp			
1	979.0 L	Ballard Co., KY	Waterfront Services Co.			Anchored mooring barge
1	978.0 R	Cairo, IL	Bunge Corp.	Grain	Conveyors	Six mooring cells
2	977.8 R	Cairo, IL	I.C. Fiber Illinois, LLC fiber optic line			
2	976.5 R	Cairo, IL	American Commercial Lines			Dauphins & pilings
2	976.3 R	Cairo, IL	Waterfront Services Co.			Dauphins & pilings
2	976.1 L	Ballard Co., KY	Louisiana Dock Co., LLC			Anchored mooring barge
2	976.0 R	Cairo, IL	Louisiana Dock Co., LLC	Barge repair		Office barge; four permanently moored barges; drydock; five wood pile clusters
2	975.8 R	Cairo, IL	J.D. Street Oil Co., Inc.	Gasoline, kerosene, diesel, fuel oil	Pipelines	
2, 3	973.3 R	Mound City, IL	ADM/Growmark Co.	Grain & grain by-products	Conveyor	Two 3-pile dolphins
3	973.0 R	Mound City, IL	Mound City boat ramp			
3	972.9 R	Mound City, IL	Consolidated Grain & Barge Co.	Grain	Conveyor	Three cells
4	966.0 R	Pulaski Co., IL	Olmsted boat ramp			
6	959.6 R	Pulaski Co., IL	Boat ramp			

Chart #	Mile	Location	Owner/Operator/Feature	Type of Freight/Service	Mechanical Apparatus	In-water Structures
6	958.4 R	Pulaski Co., IL	Pulaski County Boat Launch			
7	953.2 R	Joppa, IL	LaFarge Cement Corp.	Cement, crushed rock	Pipelines, conveyors	Nine mooring cells, covered storage area
7	952.8	Joppa, IL	Centennial Pipeline, Inc.	Gas		Pipelines
7	952.3 R	Joppa, IL	Electric Energy Inc. - Joppa Steam Plant	Coal	Covered conveyor, crane	
8	951.2 R	Joppa, IL	Boat ramp			
9	947.0 R	Metropolis, IL	Ohio Power Co. - Cook Coal Terminal	Coal	Conveyor, work barge	Thirty three mooring cells
9	946.0 L	McCracken Co., KY	Shawnee Steam Plant	Coal	Covered conveyor, crane	
9	944.0 L	Metropolis, IL	Metropolis boat ramp			
9	944.0 R	McCracken Co., KY	Delta Materials Co., Inc.	Sand & gravel	Portable hopper	
9	943.9 L	Metropolis, IL	Caesars Entertainment Corp.			One cell
9	943.0 R	McCracken Co., KY	TECO Barge Line		Wharf barge	
9	943.0 L	Metropolis, IL	Mid-South Towing Co.			
9	942.9 R	Metropolis, IL	Metropolis Ready Mix Co.	Steel, grain, coal, aggregate	Crane, portable ramp	
10	942.1 R	Metropolis, IL	Fort Massac State Park boat ramp			
11	937.9 R	Brookport, IL	Boat ramp			
11	935.4 L	Paducah, KY	Midwest Terminal	Petroleum Products	Pipelines	Two cells
11, 12	934.4 L	<b>TENNESSEE RIVER --See Appendix Page A-31</b>				





# DAM 52

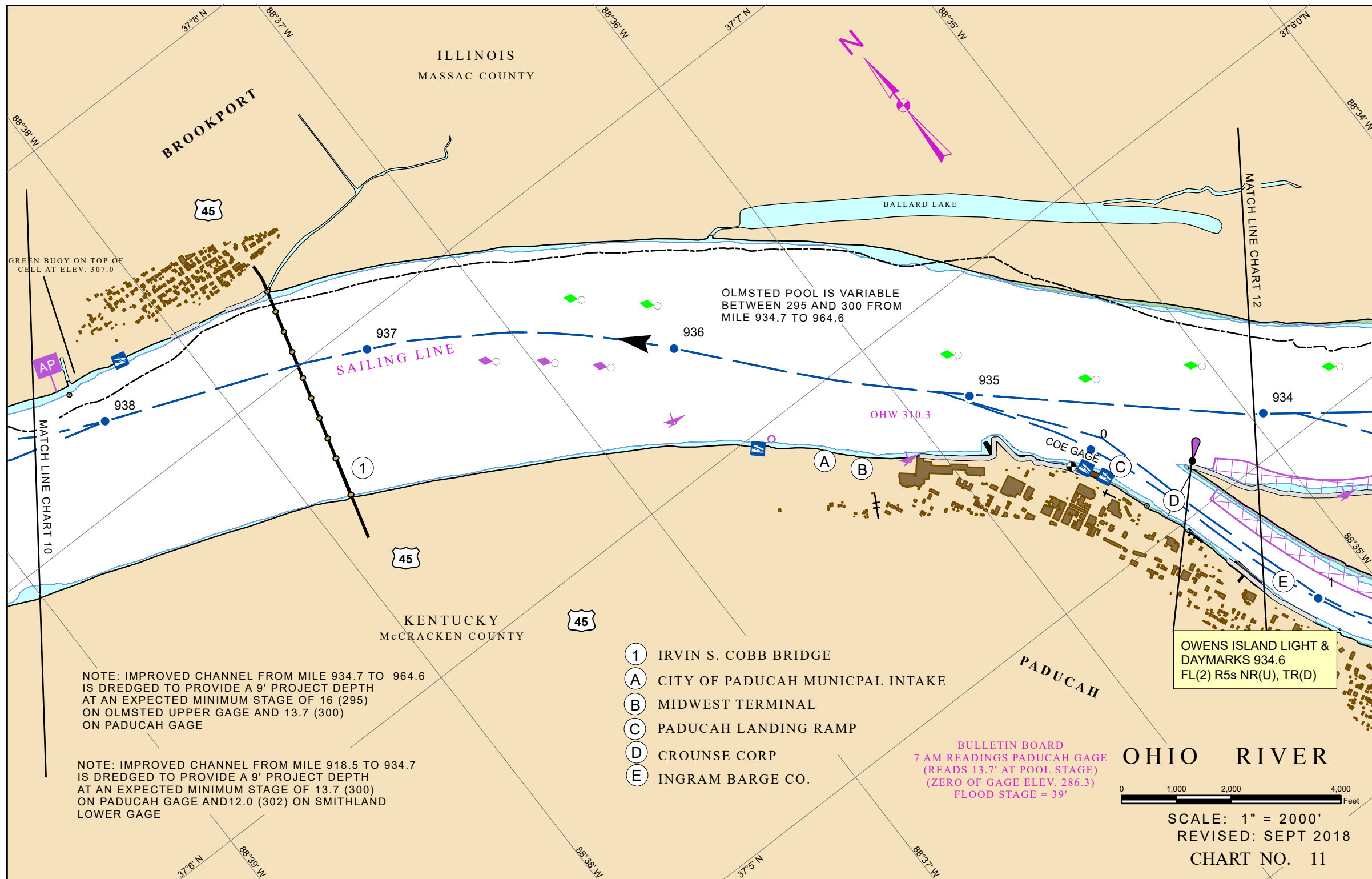
## DRAFT RESTRICTIONS

### LD52 600ft Chamber Draft Restrictions

Lower Gage (ft)	Draft in Tenths (ft)	Draft in Feet and Inches
8.0	9.1	9'-1.2"
8.1	9.2	9'-2.4"
8.2	9.3	9'-3.6"
8.3	9.4	9'-4.8"
8.4	9.5	9'-6"
8.5	9.6	9'-7.2"
8.6	9.7	9'-8.4"
8.7	9.8	9'-9.6"
8.8	9.9	9'-10.8"
8.9	10.0	10'-0"
9.0	10.1	10'-1.2"
9.1	10.2	10'-2.4"
9.2	10.3	10'-3.6"
9.3	10.4	10'-4.8"
9.4	10.5	10'-6"
9.5	10.6	10'-7.2"
9.6	10.7	10'-8.4"
9.7	10.8	10'-9.6"
9.8	10.9	10'-10.8"
9.9	11.0	11'-0"

### LD52 1200ft Chamber Draft Restrictions

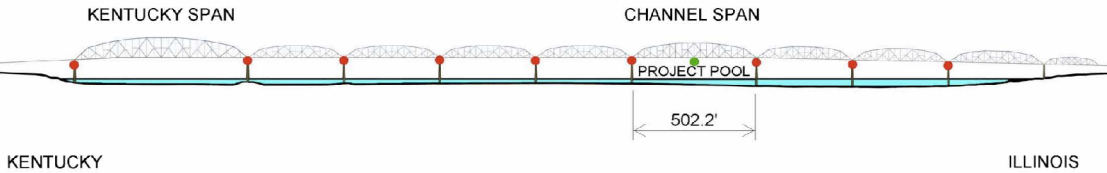
Lower Gage (ft)	Draft in Tenths (ft)	Draft in Feet and Inches
8.5	9.0	9'-0"
8.6	9.1	9'-1.2"
8.7	9.2	9'-2.4"
8.8	9.3	9'-3.6"
8.9	9.4	9'-4.8"
9.0	9.5	9'-6"
9.1	9.6	9'-7.2"
9.2	9.7	9'-8.4"
9.3	9.8	9'-9.6"
9.4	9.9	9'-10.8"
9.5	10.0	10'-0"
9.6	10.1	10'-1.2"
9.7	10.2	10'-2.4"
9.8	10.3	10'-3.6"
9.9	10.4	10'-4.8"





**IRVIN COBB HIGHWAY (US 45) BRIDGE**

**RIVER MILE 937.3**



**DOWNSTREAM VIEW**

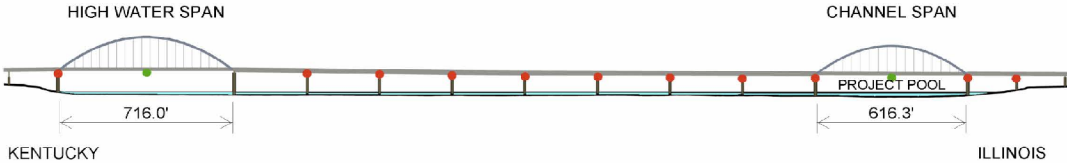
PROJECT POOL STAGE	
DATUM	ELEV.
OHIO RIVER DATUM	302.00
NGVD 29	301.32
NAVD 88	301.26

CHANNEL SPAN									
VERTICAL DATUM	OHIO RIVER DATUM (ORD)			NGVD 29			NAVD 88		
LOCATION	KY PIER	CENTER	IL PIER	KY PIER	CENTER	IL PIER	KY PIER	CENTER	IL PIER
ELEVATION OF LOW STEEL	393.7	393.8	393.6	393.0	393.1	392.9	393.0	393.1	392.9
VERT. CLEARANCE AT PROJECT POOL STAGE	91.7	91.8	91.6	91.7	91.8	91.6	91.7	91.8	91.6

NOTE: ALL UNITS ARE IN FEET

**I-24 HIGHWAY BRIDGE**

**RIVER MILE 940.8**

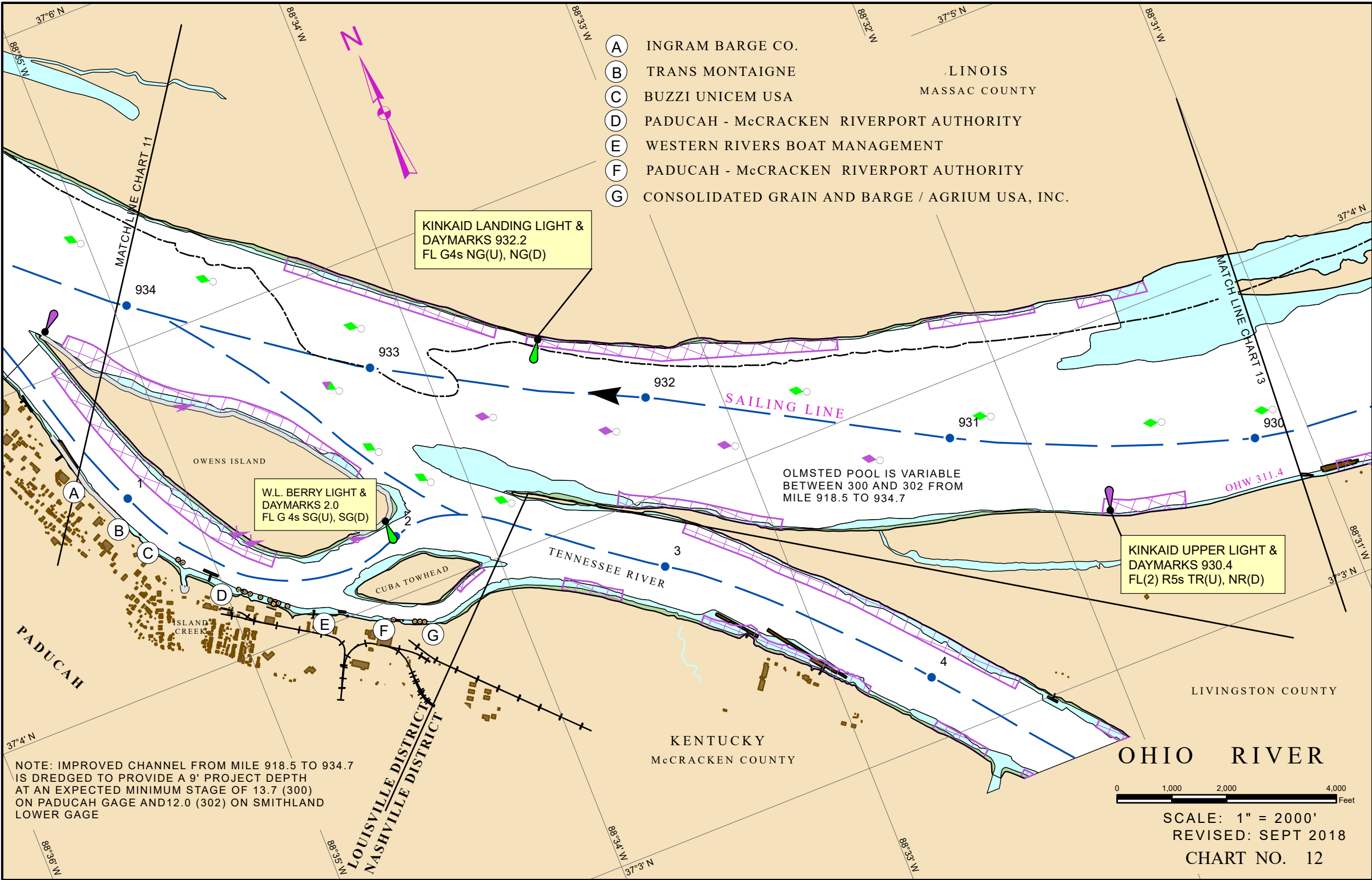


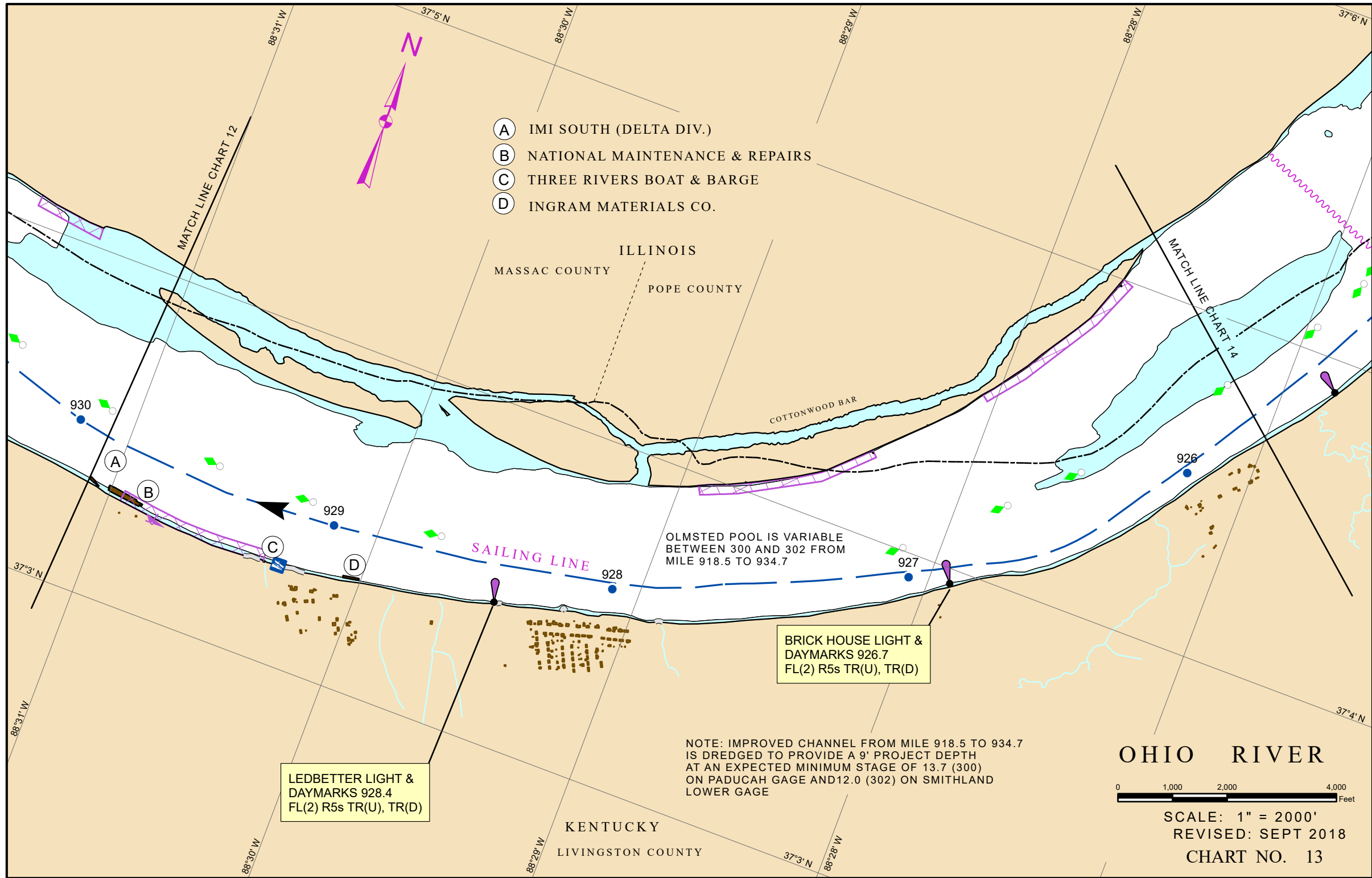
**DOWNSTREAM VIEW**

PROJECT POOL STAGE	
DATUM	ELEV.
OHIO RIVER DATUM	290.00
NGVD 29	289.32
NAVD 88	289.24

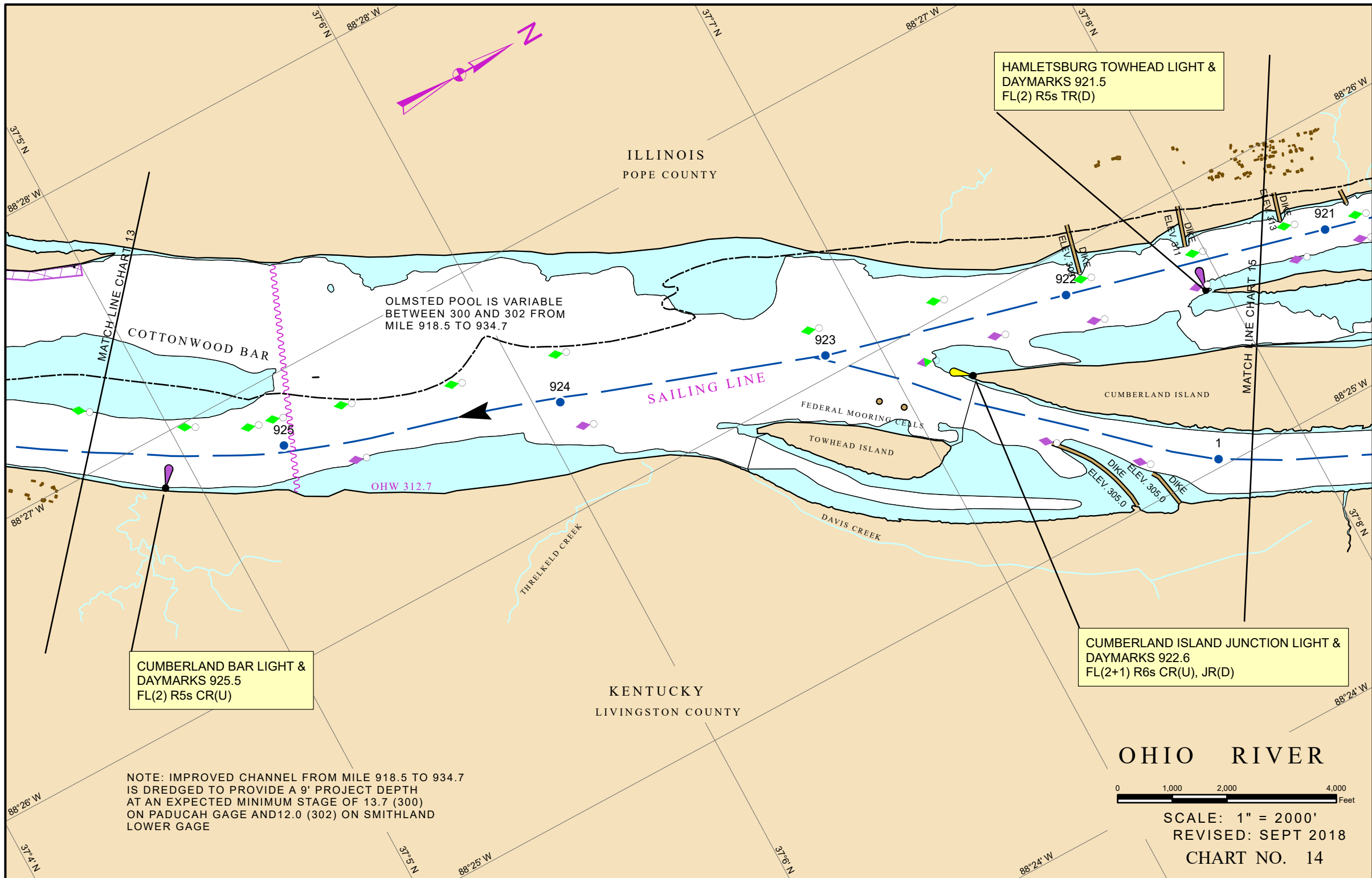
CHANNEL SPAN									
VERTICAL DATUM	OHIO RIVER DATUM (ORD)			NGVD 29			NAVD 88		
LOCATION	KY PIER	CENTER	IL PIER	KY PIER	CENTER	IL PIER	KY PIER	CENTER	IL PIER
ELEVATION OF LOW STEEL	366.8	365.7	365.2	366.1	365.0	364.5	366.0	364.9	364.4
VERT. CLEARANCE AT PROJECT POOL STAGE	76.8	75.7	75.2	76.8	75.7	75.2	76.8	75.7	75.2
HIGH WATER SPAN									
VERTICAL DATUM	OHIO RIVER DATUM (ORD)			NGVD 29			NAVD 88		
LOCATION	KY PIER	CENTER	IL PIER	KY PIER	CENTER	IL PIER	KY PIER	CENTER	IL PIER
ELEVATION OF LOW STEEL	384.0	384.3	383.5	383.3	383.6	382.8	383.2	383.5	382.7
VERT. CLEARANCE AT PROJECT POOL STAGE	94.0	94.3	93.5	94.0	94.3	93.5	94.0	94.3	93.5

NOTE: ALL UNITS ARE IN FEET









ILLINOIS  
POPE COUNTY

KENTUCKY  
LIVINGSTON COUNTY

HAMLETTSBURG TOWHEAD LIGHT &  
DAYMARKS 921.5  
FL(2) R5s TR(D)

CUMBERLAND BAR LIGHT &  
DAYMARKS 925.5  
FL(2) R5s CR(U)

CUMBERLAND ISLAND JUNCTION LIGHT &  
DAYMARKS 922.6  
FL(2+1) R6s CR(U), JR(D)

OLMSTED POOL IS VARIABLE  
BETWEEN 300 AND 302 FROM  
MILE 918.5 TO 934.7

NOTE: IMPROVED CHANNEL FROM MILE 918.5 TO 934.7  
IS DREDGED TO PROVIDE A 9' PROJECT DEPTH  
AT AN EXPECTED MINIMUM STAGE OF 13.7 (300)  
ON PADUCAH GAGE AND 12.0 (302) ON SMITHLAND  
LOWER GAGE

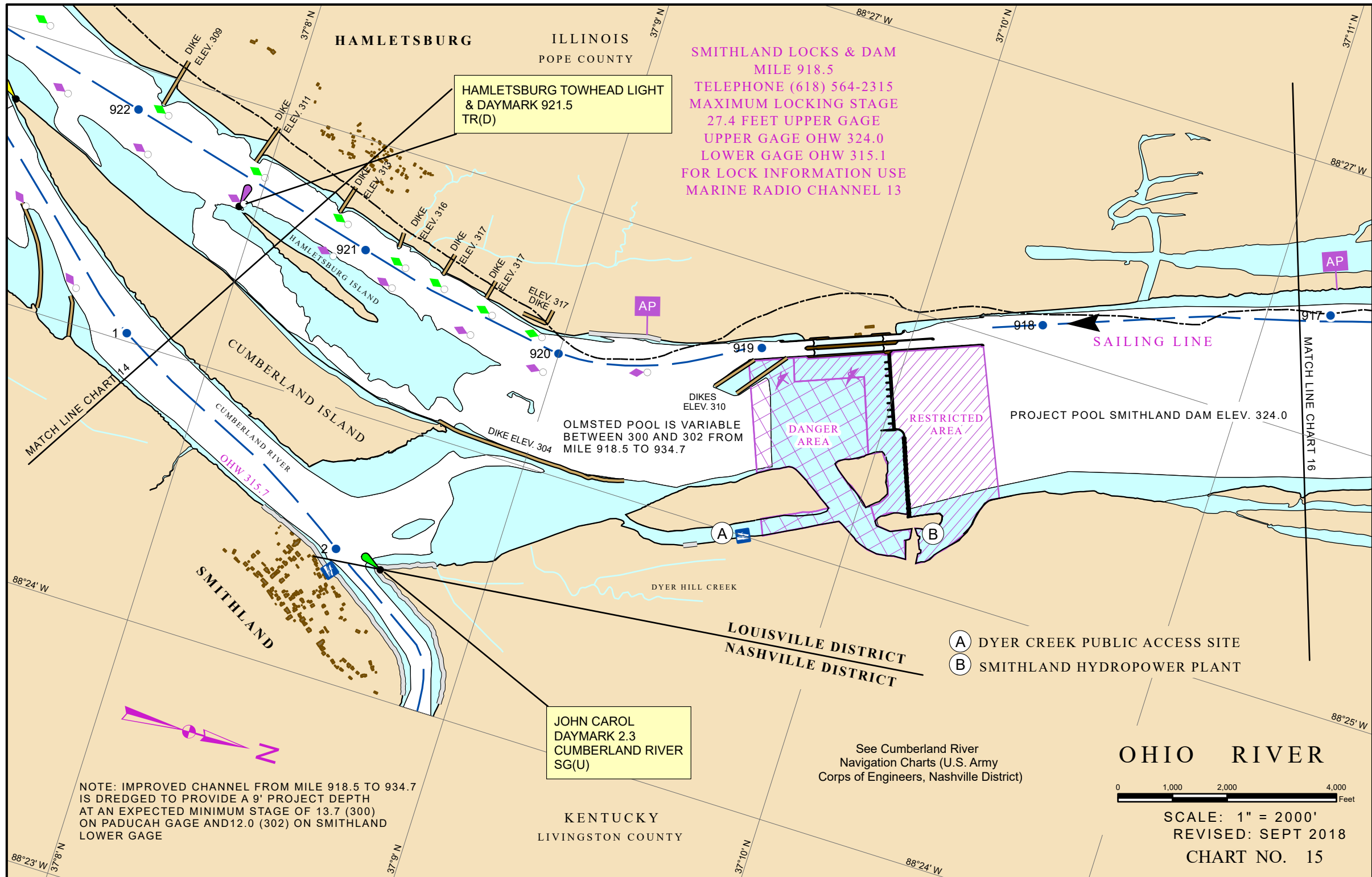
OHIO RIVER

0 1,000 2,000 4,000  
Feet

SCALE: 1" = 2000'  
REVISED: SEPT 2018

CHART NO. 14





HAMLETTSBURG TOWHEAD LIGHT  
& DAYMARK 921.5  
TR(D)

SMITHLAND LOCKS & DAM  
MILE 918.5  
TELEPHONE (618) 564-2315  
MAXIMUM LOCKING STAGE  
27.4 FEET UPPER GAGE  
UPPER GAGE OHW 324.0  
LOWER GAGE OHW 315.1  
FOR LOCK INFORMATION USE  
MARINE RADIO CHANNEL 13

OLMSTED POOL IS VARIABLE  
BETWEEN 300 AND 302 FROM  
MILE 918.5 TO 934.7

JOHN CAROL  
DAYMARK 2.3  
CUMBERLAND RIVER  
SG(U)

NOTE: IMPROVED CHANNEL FROM MILE 918.5 TO 934.7  
IS DREDGED TO PROVIDE A 9' PROJECT DEPTH  
AT AN EXPECTED MINIMUM STAGE OF 13.7 (300)  
ON PADUCAH GAGE AND 12.0 (302) ON SMITHLAND  
LOWER GAGE

- (A) DYER CREEK PUBLIC ACCESS SITE
- (B) SMITHLAND HYDROPOWER PLANT

# OHIO RIVER

0 1,000 2,000 4,000  
Feet

SCALE: 1" = 2000'  
REVISED: SEPT 2018

CHART NO. 15



Chart #	Mile	Location	Owner/Operator/Feature	Type of Freight/Service	Mechanical Apparatus	In-water Structures
6	958.4 R	Pulaski Co., IL	Pulaski County Boat Launch			
7	953.2 R	Joppa, IL	LaFarge Cement Corp.	Cement, crushed rock	Pipelines, conveyors	Nine mooring cells, covered storage area
7	952.8	Joppa, IL	Centennial Pipeline, Inc.	Gas		Pipelines
7	952.3 R	Joppa, IL	Electric Energy Inc. - Joppa Steam Plant	Coal	Covered conveyor, crane	
8	951.2 R	Joppa, IL	Boat ramp			
9	947.0 R	Metropolis, IL	Ohio Power Co. - Cook Coal Terminal	Coal	Conveyor, work barge	Thirty three mooring cells
9	946.0 L	McCracken Co., KY	Shawnee Steam Plant	Coal	Covered conveyor, crane	
9	944.0 L	Metropolis, IL	Metropolis boat ramp			
9	944.0 R	McCracken Co., KY	Delta Materials Co., Inc.	Sand & gravel	Portable hopper	
9	943.9 L	Metropolis, IL	Caesars Entertainment Corp.			One cell
9	943.0 R	McCracken Co., KY	TECO Barge Line		Wharf barge	
9	943.0 L	Metropolis, IL	Mid-South Towing Co.			
9	942.9 R	Metropolis, IL	Metropolis Ready Mix Co.	Steel, grain, coal, aggregate	Crane, portable ramp	
10	942.1 R	Metropolis, IL	Fort Massac State Park boat ramp			
11	937.9 R	Brookport, IL	Boat ramp			
11	935.4 L	Paducah, KY	Midwest Terminal	Petroleum Products	Pipelines	Two cells
11, 12	934.4 L	<b>TENNESSEE RIVER --See Appendix Page A-31</b>				

Chart #	Mile	Location	Owner/Operator/Feature	Type of Freight/Service	Mechanical Apparatus	In-water Structures
12	932.0 R	Massac Co., IL	James Marine, Inc.	Coal, quarry run rock, gravel, corn, soybeans, wheat and other agricultural products; petrochemicals		
12	931.0 R	Massac Co., IL	McGinnis, Inc.	Dry cargo barges and red flag vessels		
12	930.5 R	Massac Co., IL	James Marine, Inc.	Coal, quarry run rock, gravel, corn, soybeans, wheat and other agricultural products; petrochemicals		Spar barge
12	930.2 R	Massac Co., IL	McGinnis, Inc.	Dry cargo barges and red flag vessels		
13	928.9 L	Livingston Co., KY	IMI South (Delta Div.)			
13	928.8 L	Livingston Co., KY	National Maintenance & Repairs			
13	929.2 L	Livingston Co., KY	Three Rivers Boat & Barge			
13	929.2 L	Livingston Co., KY	Ledbetter boat ramp			
13	928.8 L	Livingston Co., KY	Ingram Materials Co.	Construction	Crane & office barge	Concrete ramp; dock
13	926.9 R	Pope Co., IL	Ingram Barge Co./Pine Bluff Materials			
15	919.0 L	Livingston Co., KY	Dyer Creek public access boat ramp			
15	918.5 L	Livingston Co., KY	Smithland Hydropower Plant			
16	915.0 L	Birdsville, KY	Birdsville Campground, Dock & Ramp			
16	914.9 L	Birdsville, KY	Birdsville public access ramp			
17	911.0 R	Bay City, IL	Bay City public use boat dock			

TENNESSEE RIVER

Chart #	Mile	Location	Owner/Operator/Feature	Type of Freight/Service	Mechanical Apparatus	In-water Structures
11	0.4 L	Paducah, KY	Crounse Corp.	Towing service		Dock
11	0.8 L	Paducah, KY	Ingram Barge Co.	Company Landing facility		Various barges - Training center, fuel, fire, harbor dock, spar
12	1.2 L	Paducah, KY	Transmontaigne Terminaling, Inc.	Petroleum products	Pipelines	One dolphin
12	1.3 L	Paducah, KY	Buzzi Unicem USA, Inc.	Cement	Pipelines	Two cells, one dolphin
12	1.5 L	Paducah, KY	Paducah - McCracken Riverport Authority: General cargo dock	General bulk	Pipelines, conveyors, crane	Docks, seven cells
12	1.7 L	Paducah, KY	Western Rivers Boat Management	Towing service		Dock barge
12	2.0 L	Paducah, KY	Paducah - McCracken Riverport Authority: Bulk unloading dock	General bulk	Pipelines, conveyors, crane	Nine cells
12	2.1 L	Paducah, KY	Agrium USA, Inc./Consolidated Grain & Barge Co.	Liquid fertilizer	Pipelines	Three cells



**ATTACHMENT 6**

**RRT5 IN-SITU BURNING ANNEX**

## REQUIREMENTS

The requirements of this annex apply only to responses under the direct oversight of an FOSC, but its general application is strongly encouraged. The RRT acts as the regional coordinating body for response actions.

1) The appropriate state's approval is always required. In Region 5, the use of ISB as a response tool will be subject to State law and policy. When burning agents are used this is a requirement of the NCP. (See attachments for appropriate state(s) approval processes).

2) In accordance with (IAW) the NCP, US EPA must concur with the FOSCs recommendation to authorize the use of ISB. When burning agents are used this is a requirement of the NCP.

3) As a natural resource trustee, the Department of Interior (DOI) should be consulted with the decision to conduct ISB during a spill response overseen by a FOSC. The responsibility of concurrence is given to DOI as a federal natural resource trustee and because of its authorities, and potential assistance to the FOSC, regarding the Endangered Species Act (ESA) and potential representation of federally recognized tribal governments.

4) As a natural resource trustee, the Department of Commerce (DOC)/National Oceanic and Atmospheric Administration (NOAA) should be consulted when considering ISB. Notification should be from the RRT Co-Chairs via the DOC RRT member. NOAA Scientific Support Coordinator (SSC) should be contacted to assist in the decision-making process and may provide resources at risk.

5) Tribal agency official(s) must be consulted on any decision to use ISB when a burn would reasonably be expected to impact those designated areas of tribal interests.

6) Approval must also be in concert with Canadian federal government officials, adjoining states and/or provinces, and local officials with approving jurisdictions, where deemed appropriate or necessary.

**NOTE:** In general, the procedures will be the same in Region 4 (e.g., State approval, trustee consultation, RRT concurrence, etc.). However, in-situ burning is not pre-authorized in Region 4. Any decision to consider an in-situ burning application for an oil discharge in Region 4 will require concurrence at the State and RRT co-chair level, as well as consultation with natural resource trustees.

## **ATTACHMENT 7**

**Paducah/Metropolis Response Resources**

**To Be Developed**