

# **PUBLIC NOTICE**

## **APPLICATION FOR PERMIT**

**U.S. ARMY  
CORPS OF ENGINEERS  
CHICAGO DISTRICT**

**PUBLIC NOTICE/APPLICATION NUMBER: LRC-2019-00700**

**COMMENT PERIOD BEGINS:** November 12, 2019  
**COMMENT PERIOD EXPIRES:** December 12, 2019

U.S. Army Corps of Engineers  
Illinois Environmental Protection Agency

### **APPLICANT**

Joe Keller  
Fox Waterway Agency (FWA)  
45 South Pistakee Lake Road  
Fox Lake, Illinois 60020

### **PROPOSED ACTION**

Proposal to conduct maintenance dredging and debris removal, including hydraulic dredging and mechanical dredging. The applicant previously obtained a 10-year Maintenance Dredging and Debris Removal permit on March 22, 2017, under LRC-2016-174 (previously LRC-2005-246) for mechanical dredging. The applicant had a separate permit for hydraulic dredging under LRC-2007-395 (previously LRC-1997-470). At recommendation of USACE, the applicant has proposed to include both the mechanical and hydraulic dredging under one USACE 10 year maintenance dredging permit (LRC-2019-700). A detailed description of this proposal is provided on page 2 of this notice.

### **LOCATION OF PROPOSED ACTION**

Location is on the Chain-o-Lakes and Fox River from approximately the Illinois/Wisconsin State line to the dam in Algonquin within Lake and McHenry Counties, Illinois. The Fox River – Chain of Lakes (Chain) includes the immediate vicinities of Channel, Catherine, Marie, Bluff, Petite, Grass, Fox, Nippersink and Pistakee Lakes, and connecting channels. (Quarter of Section 9, Township 45 N, Range 9 E Latitude 42.40030, Longitude -88.18698). Please see attached maps.

Interested parties are hereby notified that an application has been received for a Department of the Army permit for the activity described herein and as shown on the attached drawings. You are invited to provide your comments by **December 12, 2019** on the proposed work, which will become part of the record and will be considered in the decision. A permit will be issued or denied under Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 Action of the Clean Water Act of 1972(33 U.S.C. 1344).

Written comments shall be mailed to:

U.S. Army Corps of Engineers  
Chicago District, Regulatory Branch  
Attn: **LRC-2019-700**, Kaitlyn Pascus  
Regulatory Branch

231 South LaSalle Street, Suite 1500  
Chicago, Illinois 60604-1437

It should be noted that ALL comments received by this office (via hard copy or electronic) will only be accepted with the full name and address, and email address, if available of the individual commenting, and must be received by the close of the public notice period. Electronic comments may be sent to the project manager at [Kaitlyn.A.Pascus@usace.army.mil](mailto:Kaitlyn.A.Pascus@usace.army.mil).

### **PROJECT DESCRIPTION**

The applicant is proposing to conduct both mechanical and hydraulic maintenance dredging and debris removal to maintain safe navigation depths on the Chain.

For the mechanical dredging, an amphibious or land-based backhoe would be used and the material removed would then be loaded into trucks and place at designated upland site locations (See attached figures). Return flow into waters of the U.S. from the upland disposal sites would occur. The return water from a contained upland disposal area is administratively defined as a discharge of dredged material by 33 CFR 323.2(d), even though the disposal itself occurs in an area that has no waters of the United States and does not require a section 404 permit. This Individual Permit would satisfy the technical requirement for a section 404 permit for the return water where the quality of the return water is controlled by the state through the section 401 certification procedures.

The dredging machinery is incorporated within a floating hull. A cutter with steel blades dislodges sediments and a centrifugal pump vacuums the material. The dredged sediment and water would be pumped via floating dredge pipe to either of the two existing Sediment Dewatering Facilities at Cooper's Farm or Ackerman Island (see attached figures). The applicant has anticipated a maximum of 100,000 cubic yards of sediment would be hydraulically dredged annually from areas north of Route 12 to Lake Marie. Although this amount would likely range between 25,000 to 50,000 cubic yards annually due to existing storage capacity limitations, unless additional facilities and storage capacities are identified and implemented.

The applicant has proposed a maximum dredging depth of 6.7 feet that would only be completed in existing navigational channels and would not begin until after May 1 each year to avoid and minimize impacts to fish spawning and other aquatic species activity.

FWA has also prepared a Blanding's Turtle Conservation Plan and has applied for an Incidental Take Authorization that would include staff training on how to avoid and minimize impacts to the state endangered species. The FWA stated they would continue to abide by the special conditions of their existing mechanical dredging permit that included avoiding designated ecologically sensitive areas and would initiate EcoCat consultations with Illinois Department of Natural Resources annually and prior to each work season.

### **AVOIDANCE & MINIMIZATION**

The applicant has stated the following concerning avoidance and minimization of impacts to Waters of the United States:

The majority of the Chain is a public waterway and the shorelines are owned by private residences and commercial businesses. The proposed ongoing maintenance dredging operation is necessary to maintaining a navigational waterway. The removal of the accumulated silt is imperative to keep the Chain a navigable waterway. By removing the silt from the Chain this will maintain its channels and keep the re-suspension of solids at lower levels that is caused by boat traffic. The proposed activity is vital to maintain access, and preserving the recreational and commercial opportunities on the Chain.

The Chain is constantly accumulating debris from various sources through the Chain. Floating and submerged debris are threat to navigation and an overt public safety concern to the public. Delays in the removal of the debris could result in restricted navigation to the area, causing public safety concerns and hazards to navigational traffic. The proposed ongoing debris removal program is necessary to maintaining a navigable capacity and provide safe recreation opportunities for private and public uses.

### **MITIGATION**

No compensatory mitigation is proposed.

The Corps has not verified the adequacy of this mitigation proposal at this time and will make the final determination on whether the proposed mitigation is appropriate and practicable in accordance with 33 CFR Part 332.

### **REGULATORY AUTHORITY**

This proposed action will be reviewed according to the provisions of Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act of 1972.

### **JURISDICTION**

This application will be reviewed according to the provisions of Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act of 1972 due to the return water from a contained upland disposal area.

## **EVALUATION FACTORS**

The decision whether to issue a permit will be based on an evaluation of probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments.

All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. In addition, if the proposed activity involves the discharge of dredged or fill material into waters of the United States, the evaluation of the impact on the public interest will include application of Section 404(b)(1) guidelines (40 CFR 230) promulgated by the U.S. Environmental Protection Agency.

The Corps of Engineers is also soliciting comments from the public, Federal, state and local agencies, Indian tribes, and other interested parties in order to consider and evaluate the potential impacts of the proposed activity. Once this office completes a review of the comments received, it will be determined whether to issue, modify, condition, or deny a permit for this proposal.

To prepare this decision, comments are taken into consideration to assess impacts on the public interest factors listed above, as well as endangered species, historic properties, water quality, and general environmental effects. Comments will be used in the preparation of an Environmental Assessment and/or Environmental Impact Statement pursuant to the National Environmental Policy Act. A determination concerning the need for a public hearing will also be based on the comments received.

## **PRELIMINARY EVALUATION OF SELECTED FACTORS**

### **WATER QUALITY:**

The applicant has applied to the Illinois Environmental Protection Agency (IEPA) for water quality certification, or waiver thereof, for the proposed activity in accordance with Section 401 of the Clean Water Act. Certification or waiver indicates that the IEPA believes the activity will not violate applicable water quality standards. The review by the IEPA is conducted in accordance with the Illinois water quality standards under 35 Illinois Administrative Code Subtitle C by providing an antidegradation assessment, which includes an evaluation of alternatives to any proposed increase in pollutant loading that may result from this activity.

The "Fact Sheet" containing the antidegradation assessment for this proposed project may be found on the IEPA's web site, at [www.epa.state.il.us/public-notices/](http://www.epa.state.il.us/public-notices/). In the event that the IEPA is unable to publish the "Fact Sheet" corresponding to the timeframe of this Joint Public Notice, a separate public notice and "Fact Sheet" will be published by the IEPA at the web site identified

above. You may also obtain a copy of the "Fact Sheet" by contacting the IEPA at the address or telephone number shown below.

Written comments concerning possible impacts to water quality should be addressed to the following agency, along with a copy of the comments provided to the Corps of Engineers:

Illinois Environmental Protection Agency  
Bureau of Water  
Watershed Management Section  
1021 N. Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9276

If you have any questions please contact the IEPA at (217) 782-3362.

**DEPARTMENT OF NATURAL RESOURCES:**

The applicant may have to submit an application to the Illinois Department of Natural Resources, Office of Water Resources (IDNR-OWR) for a permit pursuant to the State of Illinois Rivers, Lakes and Streams Act (615 ILCS 5). Comments concerning the IDNR-OWR permit should be addressed to the following agency, along with a copy of the comments provided to the Corps of Engineers:

Illinois Department of Natural Resources  
Office of Water Resources  
2050 West Stearns Road  
Bartlett, Illinois 60103

If you have any questions please contact the IDNR at (847) 608-3116.

**ENDANGERED AND THREATENED SPECIES:**

The Corps of Engineers has not yet made a determination regarding the proposed activity's effect on Federally-listed endangered/threatened species or designated critical habitat. Consultation with the U.S. Fish and Wildlife Service pursuant to Section 7 of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 et seq.) may need to be initiated.

**HISTORIC PROPERTIES/CULTURAL RESOURCES:**

Preliminary review indicates that the proposed activity is not likely to adversely affect any historic property which is listed, or eligible for listing, on the National Register of Historic Places.

**ENVIRONMENTAL IMPACT STATEMENT**

A preliminary determination has been made that an environmental impact statement is not required for the proposed work.

**PUBLIC HEARING**

Any person may request in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearing shall state with particularity the reasons for holding a public hearing. A request for a hearing may be denied if substantive reasons for holding a hearing are not provided or if there is otherwise no valid interest to be served.

It should be noted that materials submitted as part of the permit application become part of the public record and are thus available to the general public under the procedures of the Freedom of Information Act (FOIA). Individuals may submit a written request to obtain materials under FOIA or make an appointment to view the project file at the Chicago District Corps of Engineers Office of Counsel.

Interested parties wishing to comment on the proposed activity must do so in writing no later than **December 12, 2019**. It is presumed that all parties receiving this notice will wish to respond to this public notice; therefore, a lack of response will be interpreted as meaning that there is no objection to the project as described.

This public notice is not a paid advertisement and is for public information only. Issuance of this notice does not imply Corps of Engineers endorsement of the project as described.

If you have any questions, please contact Kaitlyn A. Pascus of my staff by telephone at (312) 846-5533, or email at [Kaitlyn.A.Pascus@usace.army.mil](mailto:Kaitlyn.A.Pascus@usace.army.mil). **It should be noted that ALL comments received by this office (via hard copy or electronic) will only be accepted with the full name and address of the individual commenting.** You can also visit our website at <http://www.lrc.usace.army.mil/Missions/Regulatory.aspx> for more information on our program.

FOR THE DISTRICT COMMANDER:

**ORIGINAL SIGNED**

Kathleen G. Chernich  
Chief, East Section  
Regulatory Branch

NOTICE TO POSTMASTERS:

It is requested that this notice be conspicuously and continuously posted until **December 12, 2019**.

~ TEN-YEAR MAINTENANCE SITES LISTING ~

# LAKE AND MCHENRY COUNTY WATERWAY SITES FOR DREDGING

USACE PERMIT #200500246  
PERMIT HOLDER: FOX WATERWAY AGENCY

All proposed dredging sites must be public waterways. These sites must be physically feasible to dredge using the equipment readily available to the Agency. The majority of the sites at which dredging is proposed must be adequate for the use of an amphibious or land-based backhoe. The material removed will then be loaded into trucks and removed. In some cases, the Agency may be able to authorize the use of barges to remove material. Selected waterways and channels located between northern Pistakee Lake and Lake Marie may be dredged hydraulically.

Following is a list of waterway areas proposed to be dredged in the next ten years. Dredging will be scheduled based on the availability of permits, equipment and location of dredging sites. The sites are listed by township, with dredging sites numbered per the attached dredging plan maps. The numbers **do not** indicate the order in which the work will be performed. A map showing the location of the proposed work is available for viewing at the Agency offices (45 South Pistakee Lake Road in Fox Lake).

The Board shall determine a dredging schedule for both mechanical and hydraulic dredging sites on an annual basis and update it throughout the year as necessary based on permits, disposal locations, equipment availability, available storage space for hydraulically dredged sediment at either Cooper's Farm or Ackerman Island, and available funding.

## SITE LOCATION KEY

Algonquin Township.....	[AL site number]
Antioch Township.....	[AN site number]
Cuba Township.....	[C site number]
Grant Township.....	[G site number]
Lake Villa Township.....	[L site number]
McHenry Township.....	[M site number]
Nunda Township.....	[N site number]

\*Locations highlighted in RED are eligible candidates for hydraulic dredging. All areas have mechanical candidates. The probable hydraulic dredging locations are all located in either Antioch or Grant Township and are between northern Pistakee Lake and Lake Marie due to proximity to existing and permitted sediment storage facilities at Cooper's Farm and Ackerman Island. They are highlighted in red below and also circled in red on Maps 1, 2 and 3. Any locations targeted for hydraulic dredging will be specified annually prior to dredging in order to complete sediment core sampling and analysis as required for permitting.

### LGONQUIN TOWNSHIP

- [AL01] Althea Drive Channel, R.M. 84.5 (channel on east side of river adjacent to Althea Drive). The Agency proposes to dredge the channel where truck access is available.
- [AL02] Beach Drive Lagoon Channel, R.M. 86.0 (channel on east side of river, southeast of Beach Drive). The Agency proposes to dredge the lagoon and mouth, dependent on the availability of trucking and access.
- [AL03]\* Fox River at R.M. 82.9 (west shoreline of river adjacent to Fox River Drive, from spillway north past R.M. 83.0 marker). The Agency proposes to dredge the river, dependent on truck access and dredging methods available.
- [AL04] Grove Street Channel, R.M. 85.5 (channel on west side of river, south and east of Grove Street). The Agency proposes to dredge the channel where access is available.
- [AL05]\* Mildred Avenue Channel, R.M. 86.9 (channel on west side of river, east of Mildred Avenue). The Agency proposes to dredge the channel where truck access is available.

\* Additional coordination required due to environmental concerns.



- [AL06] Haeger's Bend Road Channel, R.M. 84.7 (channel on east side of river, southwest of Haeger's Bend Road). The Agency proposes to dredge the channel where equipment access is available.
- [AL07] Fox River at R.M. 95.0 (channel on west side of river adjacent to and northwest of Haeger's Bend Road). The Agency proposes to dredge the channel where equipment access is available.
- [AL08] LaCrosse Road Channels 1 and 2, R.M. 83.9 (two channels on west side of river, south of LaCrosse Road). The Agency proposes to dredge the channels where equipment access is available.
- [AL09] Lowe Drive Channel, R.M. 83.6 (channel on west side of river, southwest of Lowe Drive). The Agency proposes to dredge the channel where equipment access is available.
- [AL10] Lion's Park Channel, R.M. 87.0 (channel on east side of river at Lion's Park in Fox River Grove). The Agency proposes to dredge the channel where equipment access is available.
- [AL11] Bayview Road Area, R.M. 86.5 (area on east side of river adjacent to Bayview Road). The Agency proposes to dredge the area where equipment access is available.
- [AL12] Route 14 Channel, R.M. 87.3 (channel on west side of river adjacent to and north of Route 14). The Agency proposes to dredge the channel where equipment access is available.
- [AL13] Byrne Road Channel, R.M. 86.2 (channel on east side of river adjacent to Byrne Road). The Agency proposes to dredge the channel where equipment access is available.
- [AL14] Mildred Avenue Channel, R.M. 86.6 (channel on west side of river adjacent to Mildred Avenue). The Agency proposes to dredge the channel where equipment access is available.

## **NTIOCH TOWNSHIP**

- [AN01]\* Alexander Avenue Channel (channel in southeast portion of Grass Lake adjacent to Alexander Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [AN02]\* Beach Grove Road Area (area in northeast portion of Bluff Lake, east of Lake Avenue and south of Beach Grove Road). The Agency proposes to dredge the area where equipment access is available

\* Additional coordination required due to environmental concerns.

- [AN03]\* Channel Lake/Lake Catherine Area (area between Lake Catherine and Channel Lake). The Agency proposes to dredge the sandbar to widen the area where equipment access is available.
- [AN04]\* Circle Avenue Channel (channel in northwest portion of Spring Lake adjacent to Circle Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [AN05] Elm Tree Road Channel (channel on east side of Grass Lake, west of Elm Tree Road). The Agency proposes to dredge the channel where equipment access is available.
- [AN06]\* Forest Drive Channel (channel in northeast portion of Petite Lake, west of Forest Drive). The Agency proposes to dredge the channel where equipment access is available.
- [AN07] Grandview Terrace Channel (channel in north portion of Lake Catherine adjacent to Grandview Terrace). The Agency proposes to dredge the channel where equipment access is available.
- [AN08]\* Grass Lake/Lake Marie Channel and adjacent areas (channel between Lake Marie and Grass Lake and adjacent areas). The Agency proposes to dredge the channel and adjacent areas where equipment access is available.
- [AN09] Harbor Ridge Road Channel (channel in east portion of Spring Lake adjacent to Harbor Ridge Road). The Agency proposes to dredge the channel where equipment access is available.
- [AN10] Herman Street Channel (channel in northwest portion of Petite Lake, north of Herman Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [AN11] Hillendale Drive Channel (channel southwest of Grass Lake, east of Hillendale Drive). The Agency proposes to dredge the channel where equipment access is available.
- [AN12] Janette Street Area (area in northeast portion of Lake Catherine, west of Janette Street). The Agency proposes to dredge the area where equipment access is available.
- [AN13] Lake Court Channel (channel in northeast portion of Petite Lake, west of Woodland Avenue and adjacent to Lake Court). The Agency proposes to dredge the channel where equipment access is available.
- [AN14] Lake Road Channel (channel in southeast portion of Grass Lake, west of Lake Road). The Agency proposes to dredge the channel where equipment access is available.

\* Additional coordination required due to environmental concerns.

- [AN15] Linden Avenue Channel (channel in southeast portion of Channel Lake, west of Linden Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [AN16] Lotus Avenue Channel (channel in west portion of Lake Marie extending to south portion of Channel Lake adjacent to Lotus Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [AN17] Lotus Road Channel (channel in east portion of Grass Lake, west of Lotus Road). The Agency proposes to dredge the channel where equipment access is available.
- [AN18] Lotus Woods Channels (channels beginning on west side of Grass Lake/Nippersink Lake Channel [Site G04], south of Grass Lake Road bridge adjacent to Route 12). The Agency proposes to dredge the channels where equipment access is available.
- [AN19] Mallard Avenue Channel (channel in east portion of Grass Lake, northwest of Mallard Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [AN20]\* North Avenue Channel (channel at northeast corner of Lake Catherine intersected by North Avenue [also known as Trevor Creek]). The Agency proposes to dredge the channel where equipment access is available.
- [AN21] Oak Avenue Channel (channel in east portion of Grass Lake, north of Oak Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [AN22] Park Avenue Channel (channel in southeast portion of Grass Lake, north of Park Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [AN23]\* Poplar Street Channel (channel in west portion of Channel Lake, east, west, north, and south of Poplar Street including Adjacent shoreline extending near the mouths of the channel ). The Agency proposes to dredge the channel where equipment access is available.
- [AN24]\* Park Terrace Channel (channel in north portion of Channel Lake, west of Park Terrace). The Agency proposes to dredge the channel where equipment access is available.
- [AN25]\* Sequoit Creek (creek that flows into southeast Lake Marie). The Agency proposes to dredge and/or rake Sequoit Creek from the mouth of the creek including adjacent shoreline to the west to main channel and to the east to the Route 173 bridge .

\* Additional coordination required due to environmental concerns.

- [AN26] Shore Drive/Hickory Street Channel (channel in southwest portion of Grass Lake, east of Hickory Street). The Agency proposes to dredge the channel where equipment access is available.
- [AN27] Sibley Drive Channel (channel in east portion of Spring Lake, west of Sibley Drive). The Agency proposes to dredge the channel where equipment access is available.
- [AN28] Spring Lake Channel (channel in southwest portion of Spring Lake, north of Highwoods Drive). The Agency proposes to dredge the channel where equipment access is available.
- [AN29] Viscaya Drive Channel (channel in southwest portion of Grass Lake adjacent to Viscaya Drive). The Agency proposes to dredge the channel where equipment access is available.
- [AN30] Woodland Avenue Channel (channel in northeast portion of Petite Lake, east of Woodland Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [AN31] Vista Area Channels (channels in northeast portion of Nippersink Lake adjacent to Lee Avenue, Watts Avenue and Channel Drive). The Agency proposes to dredge the channels where equipment access is available.
- [AN32] Lake Catherine Marina Area (south portion of Lake Catherine). The Agency proposes to dredge where equipment access is available.
- [AN33] Clara Avenue Channel (channel in southwest Lake Marie, west of Clara Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [AN34]\* Chain O'Lakes State Park Channels and Fox River (channels in west portion of Grass Lake extending north on the Fox River, including the Chain O'Lakes State Park boat ramp and launch areas). The Agency proposes to dredge the channels and river where equipment access is available.
- [AN35] South Lake Road Channel (channel in southeast portion of Grass Lake, southwest of Lake Road adjacent to Lake Road Channel [Site AN14]). The Agency proposes to dredge the channel where equipment access is available.
- [AN36] Hickory Cove Channel (channel in west portion of Grass Lake, west of Hickory Street). The Agency proposes to dredge the channel where equipment access is available.
- [AN37] Eighth Avenue Channel (channel north of Nippersink Lake, west of Eighth Avenue and north of Lotus Woods Channel [Site AN18]). The Agency proposes to dredge the channel where equipment access is available.

\* Additional coordination required due to environmental concerns.

- [AN38]\* Ackerman Island Channels (channels in northwest portion of Fox Lake running east and south from northwest corner of Ackerman Island). The Agency proposes to dredge the channels where equipment access is available.
- [AN39] Lake Marie channel extending to channel lake including adjacent side channels; (channels in northwest portion of Lake Marie And the south East partition of channel Lake). The Agency proposes to dredge the channels where equipment access is available.
- [AN40] Lake Marie / Bluff Lake Channel (channels in northwest portion of Bluff Lake running northerly to Lake Marie). The Agency proposes to dredge the channels where equipment access is available.
- [AN41] Bluff Lake / Spring Lake Channel (Channel extending from the southeast portion of Bluff Lake to Spring Lake. ) The Agency proposes to dredge the channels where equipment access is available.
- [AN42] Lakeside Place Channel (north) (Channel West of North Lakeside place extending from Fox Lake) The Agency proposes to dredge the channels where equipment access is available.
- [AN43] Chain O'Lakes Wetland Restoration Project (Grass Island Geotube)
- [AN44] Grass Lake Main Channels (Channels Of Grass Lake extending from site AN38 to AN32 and from AN34 to the intersecting point of the AN38-AN32 channel. These are the main navigation channels of Grass Lake) The Agency proposes to dredge the channels where equipment access is available.

## **UBA TOWNSHIP**

- [C01] Center Drive Channel, R.M. 91.2 (channel on east side of river, west of Center Drive). The Agency proposes to widen the mouth from the easternmost portion of the mouth across the channel and out into the river.
- [C02] Holly Drive North Channel, R.M. 91.1 (east/west channel on west side of river adjacent to north end of Holly Drive). The Agency proposes to dredge the channel where equipment access is available.
- [C03] Lagoon Drive East Channel, R.M. 90.8 (north/south channel on west side of river, east of Lagoon Drive). The Agency proposes to dredge the channel where equipment access is available.

\* Additional coordination required due to environmental concerns.

- [C04] Lagoon Drive West Channel, R.M. 90.8 (channel on west side of river, west of Lagoon Drive). The Agency proposes to dredge the channel where equipment access is available.
- [C05] Roberts Court Channels, R.M. 92.0 (channels on east side of river, south of Roberts Court). The Agency proposes to dredge the channels, including the Fox River Preserve marina and launch ramp areas, where equipment access is available.
- [C06] Geraldine Lane Channel, R.M. 92.5 (channel on east side of river, southeast of Geraldine Lane). The Agency proposes to dredge the channel where equipment access is available.

### **GRANT TOWNSHIP**

- [G01] Atwater Parkway Channel (channel in southwest portion of Fox Lake [Mineola Bay] adjacent to Atwater Parkway). The Agency proposes to dredge the channel where equipment access is available.
- [G02] Bay Road Channels 1 and 2 (channels in east portion of Pistakee Lake on north side of Meyer's Bay adjacent to Bay Road and Bay Lane). The Agency proposes to dredge the channels where equipment access is available.
- [G03]\* Glen Arms Subdivision Channel (channel in east portion of Pistakee Lake, west of Sheridan Drive). The Agency proposes to dredge the channel where equipment access is available.
- [G04]\* Grass Lake/Nippersink Lake Channel (channel that connects Nippersink Lake and Grass Lake). The Agency proposes to dredge the channel where equipment access is available.
- [G05] Iola Avenue Channel (channel in southeast portion of Fox Lake [Stanton Bay], east of Iola Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [G06] Kerwin Drive Channel (channel in southeast portion of Fox Lake, north of Kerwin Drive in Stanton Bay area). The Agency proposes to dredge the channel where equipment access is available.
- [G07] Lake Mathew's Terrace Channel (channel in southeast portion of Pistakee Lake, west of Lake Mathew's Terrace). The Agency proposes to dredge the channel where equipment access is available.

\* Additional coordination required due to environmental concerns.

- [G08]\* Nippersink Lake/Fox Lake Channel (channel between Nippersink Lake and Fox Lake, southwest of Crabapple Island). The Agency proposes to dredge the channel where equipment access is available.
- [G09]\* Pistakee Lake/Nippersink Lake Channel East (easternmost channel between Pistakee Lake and Nippersink Lake extending south to the south of Rt. 32 And adjacent channels ). The Agency proposes to dredge the channel where equipment access is available.
- [G10] Margie’s Place Channels (channel in west portion of Nippersink Lake adjacent to Margie’s Place and Karen Court). The Agency proposes to dredge the channels where equipment access is available.
- [G11] Manitoba Road Channel (channel in southeast portion of Pistakee Lake, west of Manitoba Road). The Agency proposes to dredge the channel where equipment access is available.
- [G12]\* Nippersink Creek Area (creek and channels west and southwest of Nippersink Lake, south of Route 12 and east of Fox Lake Road). The Agency proposes to dredge the channels where equipment access is available. Please note that “M07 - Nippersink Creek Area” is the McHenry Township, McHenry County portion of this general site area.
- [G13] Nippersink Boulevard Area (area in south portion of Nippersink Lake, north of Route 12 bridge and west of Nippersink Boulevard at lake’s east shore). The Agency proposes to dredge where equipment access is available.
- [G14] Pistakee Lake Road Channel and Lagoon (channel and lagoon in northeast portion of Pistakee Lake adjacent to Pistakee Lake Road). The Agency proposes to dredge the channel and lagoon, depending on equipment and trucking access.
- [G15] Riverside Island Drive Channel (channel in southwest portion of Nippersink Lake, south of Riverside Island Drive). The Agency proposes to dredge the channel where equipment access is available.
- [G16]\* Mary Court Channel (channel in southeast portion of Fox Lake adjacent to Mary Court). The Agency proposes to dredge the channel where equipment access is available.
- [G17] Stanton Bay Channel (channel in southeast portion of Fox Lake [Stanton Bay], east of Lake Street). The Agency proposes to dredge the channel where equipment access is available.

\* Additional coordination required due to environmental concerns.

- [G18] William Place Channel (channel in west portion of Nippersink Lake, south of William Place). The Agency proposes to dredge the channel where equipment access is available.
- [G19] York Street Channel (channel in southwest portion of Fox Lake, north and south of Grand Avenue and west of York Street). The Agency proposes to dredge the channel where equipment access is available.
- [G20] Watts and Pistakee Marinas Bay and Channels (east portion of Pistakee Lake, just west of Route 12 adjacent to Watts and Pistakee marinas). The Agency proposes to dredge the bay and channels where equipment access is available.
- [G21] Gogol Avenue Channels (channels in west portion of Redhead Lake, east of Gogol Avenue). The Agency proposes to dredge the channels where equipment access is available.
- [G22] Rushmore Road Channel (channel in south portion of Fox Lake, east of Rushmore Road). The Agency proposes to dredge the channel where equipment access is available.
- [G23]\* Squaw Creek (creek in south portion of Fox Lake adjacent to Route 59 extending northwest to fox lake and southwesterly to the spillway ). The Agency proposes to dredge the channel and creek where equipment access is available.
- [G24] Fortress Drive/Livingston Street Channels (channels in north portion of Pistakee Lake adjacent to Fortress Drive and Livingston Street). The Agency proposes to dredge the channels where equipment access is available.
- [G25] Pistakee Lake/Nippersink Lake Channel West (westernmost channel between Pistakee Lake and Nippersink Lake, and all adjacent waters to Pistakee Lake/Nippersink Lake Channel East [Site G09], south and west of Route 12 bridge). The Agency proposes to dredge the channel where equipment access is available.
- [G26] Stanton Point Road Channel Area (channel and shoreline area in east portion of Fox Lake, north and east of Stanton Point Road). The Agency proposes to dredge the channel and shoreline area where equipment access is available.
- [G27] Bayview Drive Area (area on east shore of Redhead Lake, west of Bayview Drive at the Hilldale Manor Subdivision Improvement Association park). The Agency proposes to dredge the area east of the boat ramp following the shoreline to the beach.
- [G28] Mineola Bay Shoreline ( southern partition of Fox Lake adjacent to the shoreline and extending out into the lake ). The Agency proposes to dredge the area east of the boat ramp following the shoreline to the beach.

\* Additional coordination required due to environmental concerns.



## **LAKE VILLA TOWNSHIP**

- [L01]\* Columbia Bay Sandbar (area in east portion of Fox Lake, east and west of Peninsula Road). The Agency proposes to dredge the sand bar.
- [L02] Dering Lane/Cedarcrest Drive Channel (channel in southeast portion of Petite Lake, west of Cedarcrest Drive and north of Dering Lane). The Agency proposes to dredge the channel where equipment access is available.
- [L03] Lakeview Avenue Channel (channel in northeast portion of Fox Lake, east of Lakeview Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [L04] Leland Avenue Channel (channel in southwest portion of Petite Lake, east of Leland Avenue). The Agency proposes to dredge the channel where equipment access is available.
- [L05]\* Fox Lake/Petite Lake Channel (main navigational channel between Fox Lake and Petite Lake). The Agency proposes to dredge the channel where equipment access is available.
- [L06] Columbia Bay Area Sand bar and adjacent Areas. (Area in the north easterly portion of Fox Lake) The Agency proposes to dredge the channel where equipment access is available.

## **MCHENRY TOWNSHIP**

- [M01]\* Baycliff Drive Channel, R.M. 103.7 (channel on west side of river, southeast of the mouth of Dutch Creek and north of Baycliff and Sterling Drives). The Agency proposes to dredge the channel where equipment access is available.
- [M02] Bull Valley Road Channel, R.M. 99.7 (channel on west side of river, south of Bull Valley Road and north of Miller Drive). The Agency proposes to dredge the channel where equipment access is available.
- [M03]\* Dutch Creek Subdivision Channels, R.M. 103.8 (channel system on west side of river, north of Dutch Creek). The Agency proposes to dredge the channels where equipment access is available.
- [M04] Johnsburg Channel, R.M. 105.1 (channel on west side of river east of Riverview Drive). The Agency proposes to dredge the channel where equipment access is available.

\* Additional coordination required due to environmental concerns.

- [M05] Memory Court Channel (channel in northwest portion of Pistakee Lake, west and south of Memory Court). The Agency proposes to dredge the channel where equipment access is available.
- [M06]\* McHenry Lock and Dam, R.M. 99 (the area north of the lock and dam from the start of the no-wake control zone to the area south of the lock and dam at the southern end of the no-wake control zone and all associated areas). The Agency proposes to dredge the area where equipment access is available.
- [M07]\* Nippersink Creek Area (creek and channels west and southwest of Nippersink Lake, south of Route 12 and east of Fox Lake Road). The Agency proposes to dredge the creek and channels where equipment access is available. Please note that “G12 - Nippersink Creek Area” is the Grant Township, Lake County portion of this general site area.
- [M08] Pleasant View Drive Channel (channel in northwest portion of Pistakee Lake adjacent to Pleasant View Drive and Lake Street). The Agency proposes to dredge the channel, including the adjacent park, where equipment access is available.
- [M09]\* Stilling Boulevard Channel, R.M. 103.7 (channel on west side of river, southeast of the mouth of Dutch Creek adjacent to Stilling Boulevard and Shorewood Drive). The Agency proposes to dredge the channel where equipment access is available.
- [M10] Riverstream Drive Channel, R.M. 101.4 (channel on west side of river adjacent to Riverstream Drive). The Agency proposes to dredge the channel where equipment access is available.
- [M11]\* Boone Creek Channel, R.M. 101.5 (creek and channel on west side of river, east of Green Street bridge). The Agency proposes to dredge the creek and channel where equipment access is available.
- [M12] Ray Street Channel (channel west of Nippersink Lake on Nippersink Creek adjacent to Ray Street). The Agency proposes to dredge the channel where equipment access is available.
- [M13] Lewis Lane area (The Area north and east of Lewis Lane in Pistakee Lake) The Agency proposes to dredge the channel where equipment access is available.
- [M14] Loc Louette area (the area at the southern most point of Pistakee Lake and extending into Loc Louette and its adjacent areas) The Agency proposes to dredge the channel where equipment access is available.
- [M15] Indian Trail Area R.M. 99.5 (channels on east side of river, west of the end of Indian trail). The Agency proposes to dredge the channels where equipment access is available.

\* Additional coordination required due to environmental concerns.

- [M16] Dutch Creek Bay Area R.M. .7 (channel on west side of river, south of the area known as dutch creek subdivision). The Agency proposes to dredge the area where equipment access is available.

## **NUNDA TOWNSHIP**

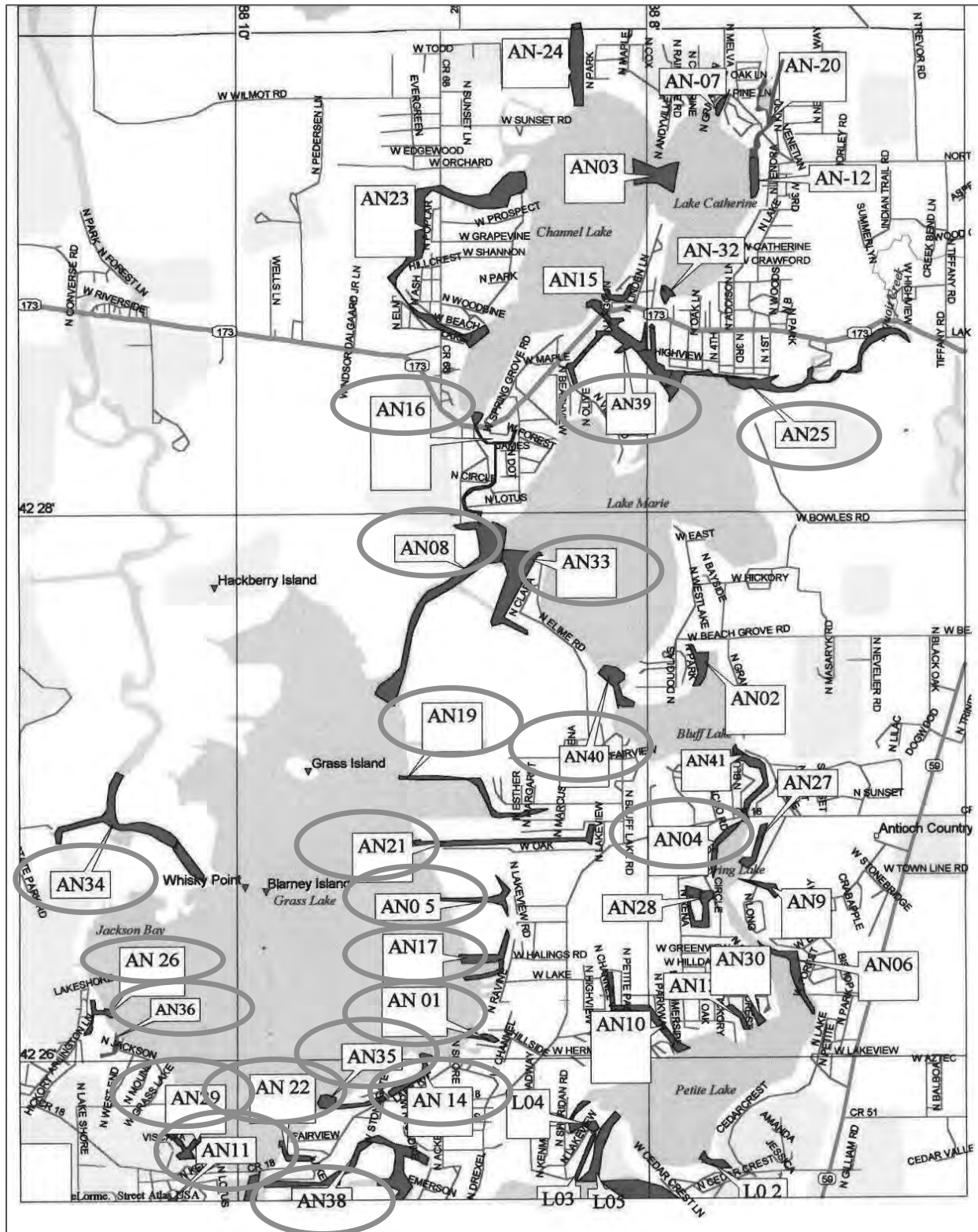
- [N01] Baldwin Road Channels, R.M. 98.6 (channels on west side of river, north of Baldwin Road). The Agency proposes to dredge the channels where equipment access is available.
- [N02] Bayport Lane Channel, R.M. 88.6 (channel on west side of river adjacent to Bayport Lane). The Agency proposes to dredge the channel where equipment access is available.
- [N03] Brentwood Lane Channel, R.M. 98.6 (channel on west side of river, northeast of Brentwood Lane and southeast of Hawthorne Lane). The Agency proposes to dredge the channel where equipment access is available.
- [N04]\* Burton's Bridge South at R.M. 96.5 (east side of river, south of and under Route 76 bridge). The Agency proposes to dredge the channel where equipment access is available.
- [N05]\* Burton's Bridge North at R.M. 96.6 (east side of river, north of Route 176 bridge). The Agency proposes to dredge the channel where equipment access is available.
- [N06] Fernwood Lane Area at R.M. 98.5 (inlet on east side of river, west of Fernwood Lane). The Agency proposes to dredge the area where equipment access is available.
- [N07] Fox River Valley Gardens Channels, R.M. 92.5 (channels on east side of river adjacent to Hilldale, Circle, Park, Eastwood and Peninsula Avenues). The Agency proposes to dredge the channels where equipment access is available.
- [N08]\* Griswold Lake Channels, R.M. 96.8 (channels on east side of river, from river to Griswold Lake). The Agency proposes to dredge the channels where equipment access is available.
- [N09] Holiday Drive Channel, R.M. 96.9 (channel on east side of river adjacent to Holiday Drive). The Agency proposes to dredge the channel where equipment access is available.
- [N10] Orchard Lane Channel, R.M. 98.8 (channel on west side of river, east of Orchard Lane to river). The Agency proposes to dredge the channel where equipment access is available.

\* Additional coordination required due to environmental concerns.

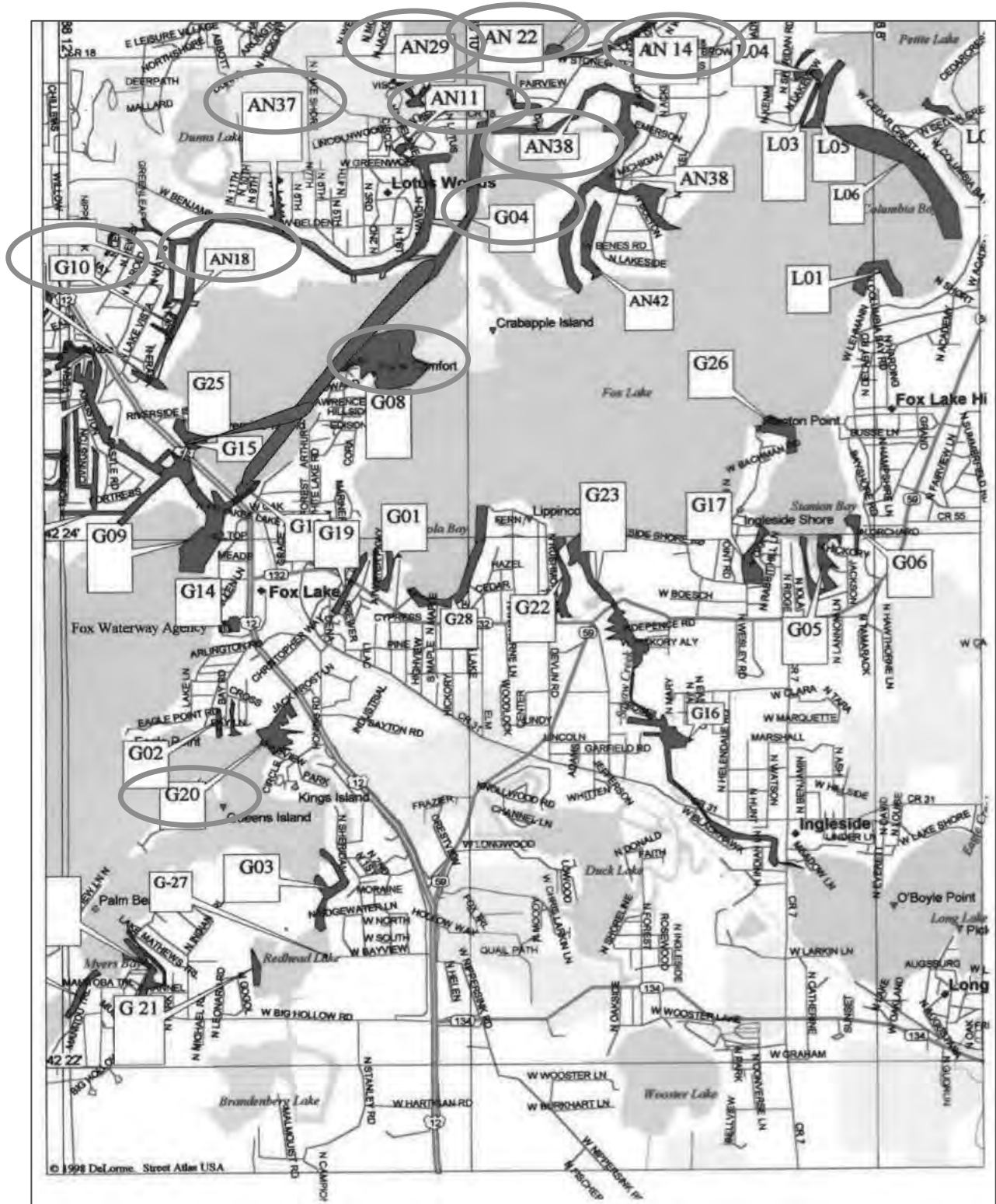
- [N11] Riverside Drive Channel, R.M. 95.9 (channel on west side of river, south of Route 176 adjacent to Riverside Drive). The Agency proposes to dredge the channel where equipment access is available.
- [N12] Whippoorwill Drive Channel, R.M. 95.3 (channel on west side of river, north of Whippoorwill Drive). The Agency proposes to dredge the channel where equipment access is available.
- [N13] Colby Drive Channel, R.M. 98.0 (channel on west side of river adjacent to Colby Drive). The Agency proposes to dredge the channel where equipment access is available.
- [N14] Rawson Bridge Road Area, R.M. 94.1 (area on east side of river adjacent to Rawson Bridge Road, south to Rawson Bridge). The Agency proposes to dredge the area where equipment access is available.
- [N15] Kerry Lane Channel, R.M. 97.0 (channel on west side of river, east of Kerry Lane). The Agency proposes to dredge the channel where equipment access is available.
- [N16] Rt. 176 West Shore R.M. 96.4 ( An area on the west Shore of river, Adjacent to rt.176 ) The Agency proposes to dredge the area where equipment access is available.
- [N17] Hickory nut grove lane R.M. 92.8(channel on west side of river, north of Hickory nut grove lane). The Agency proposes to dredge the channel where equipment access is available
- [N18] Beachway Channel R.M. 93.0 (channel on west side of river, north of Beachway rd.). The Agency proposes to dredge the channel where equipment access is available.
- [N19] Giant Oaks Drive Channel, R.M. 95.2 (channel on the east side of river, adjacent to Giant Oaks Drive). The Agency proposes to dredge the channel where equipment access is available.
- [N20] Cotton Creek mouth R.M.95.5 (the area on the east side of the river at the mouth of Cotton Creek.) The Agency proposes to dredge the channel where equipment access is available.

\* Additional coordination required due to environmental concerns.

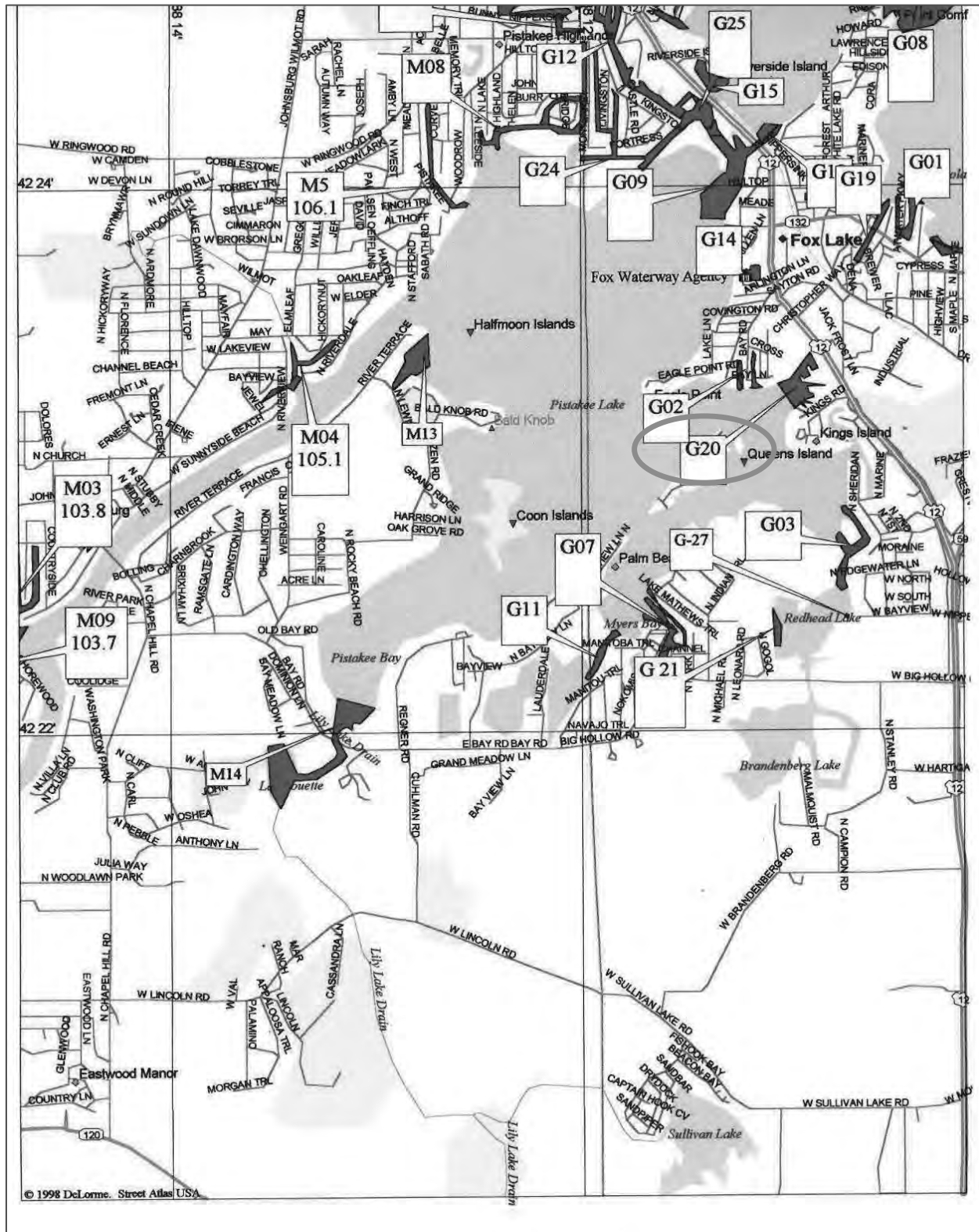
Map 1 - Channel Lake, Lakes Catherine, Marie, Bluff, Spring, Petite & Grass  
 Mechanical and Hydraulic Dredging (circled in red) Sites as shown



Map 2 – Nippersink and Fox Lakes  
 Mechanical and Hydraulic Dredging (circled in red) Sites as shown



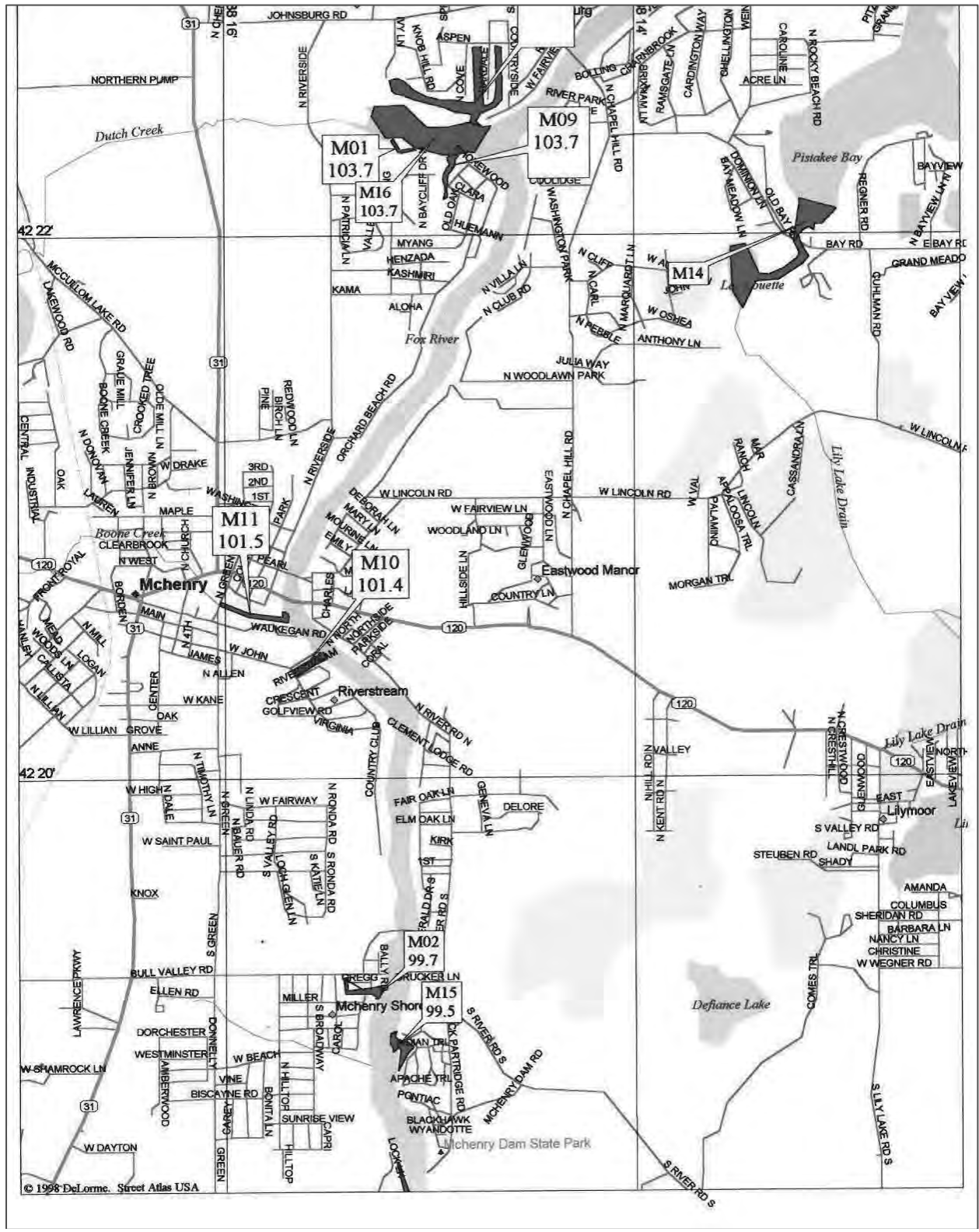
Map 3 –Pistakee Lake and the Upper Fox River to Dutch Creek  
 Mechanical and Hydraulic Dredging (circled in red) Sites as shown





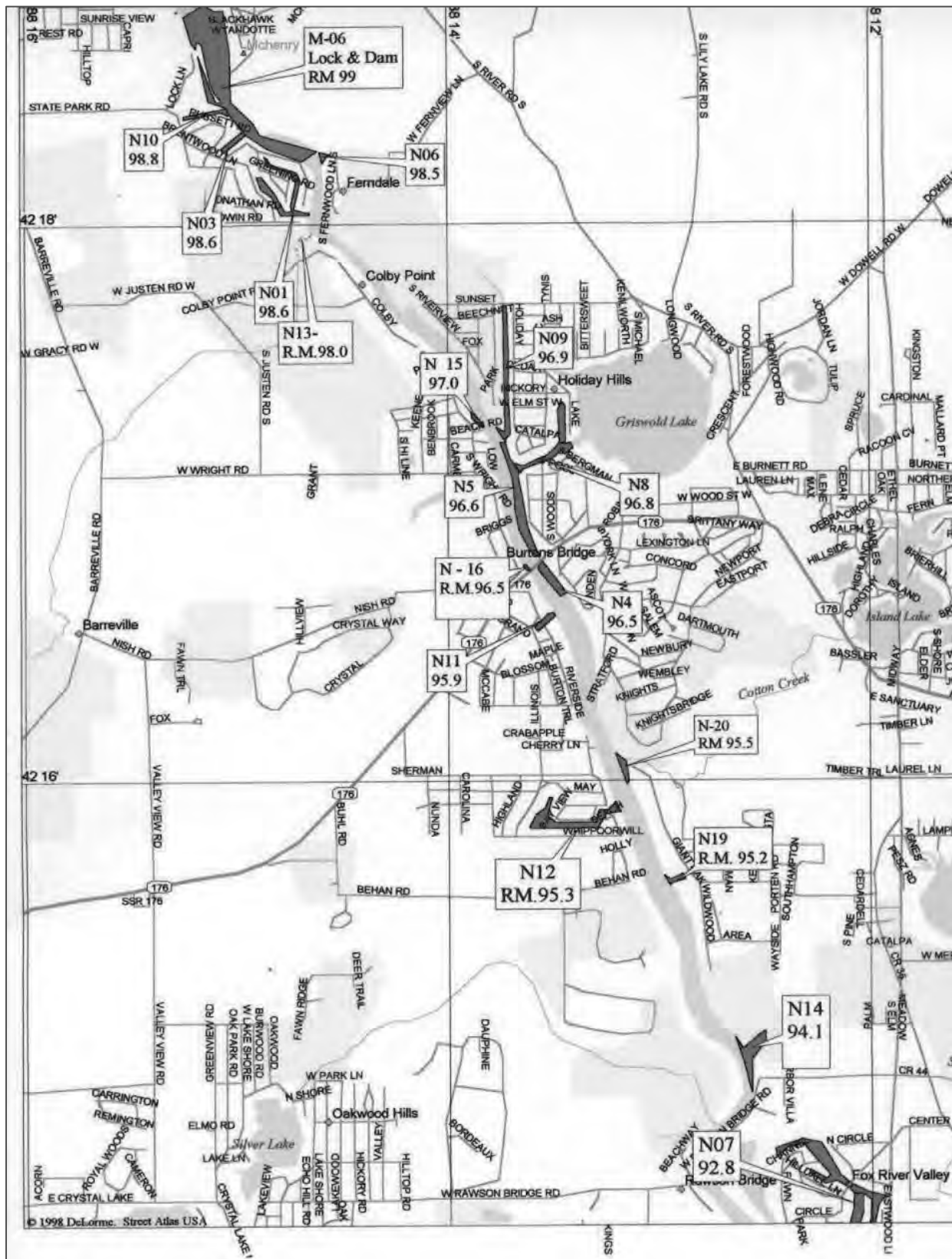
# Map 4 – Dutch Creek to Stratton Lock & Dam

## Mechanical Dredging Sites Only

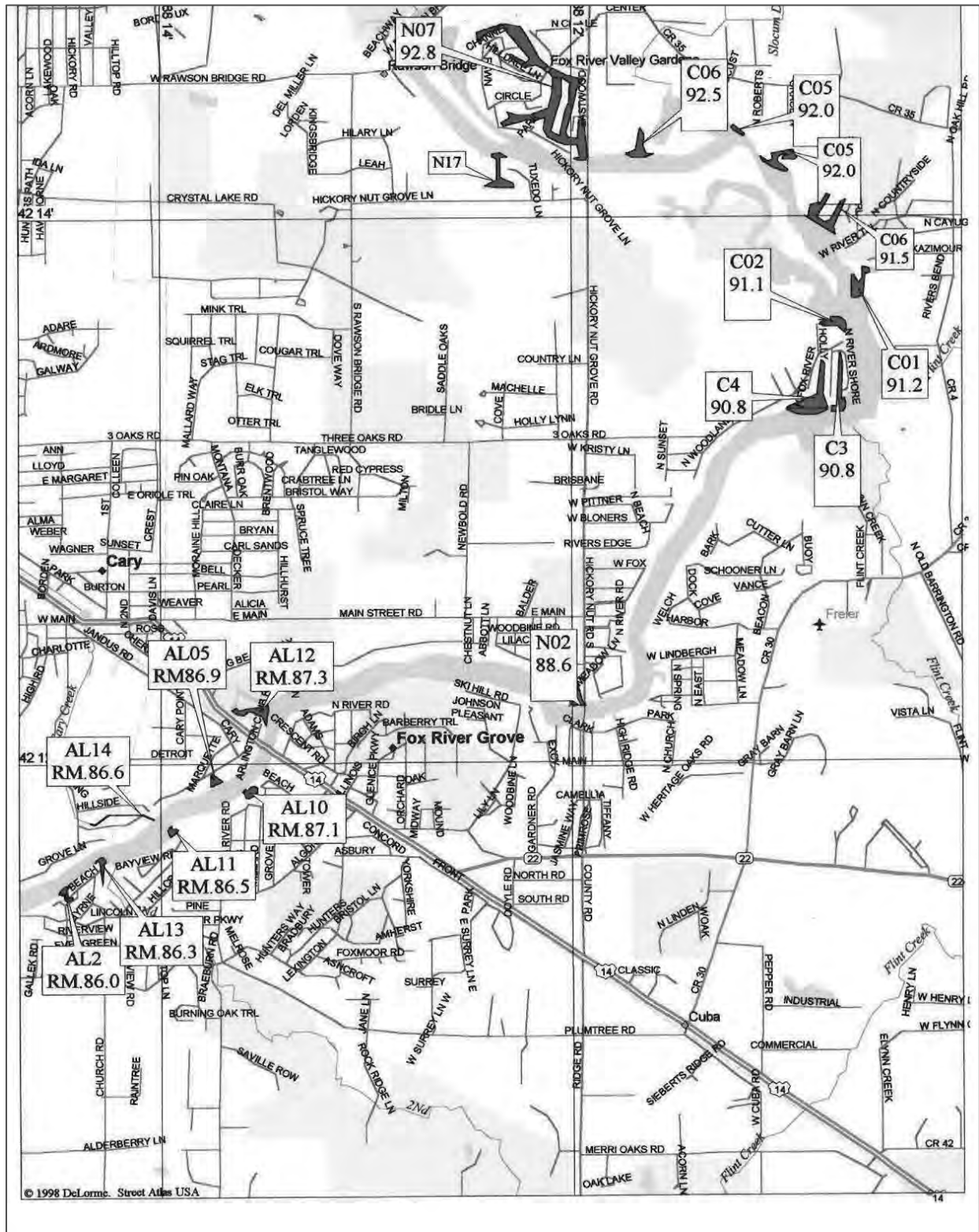




# Map 5 –Stratton Lock & Dam to Fox River Valley Gardens Mechanical Dredging Sites Only

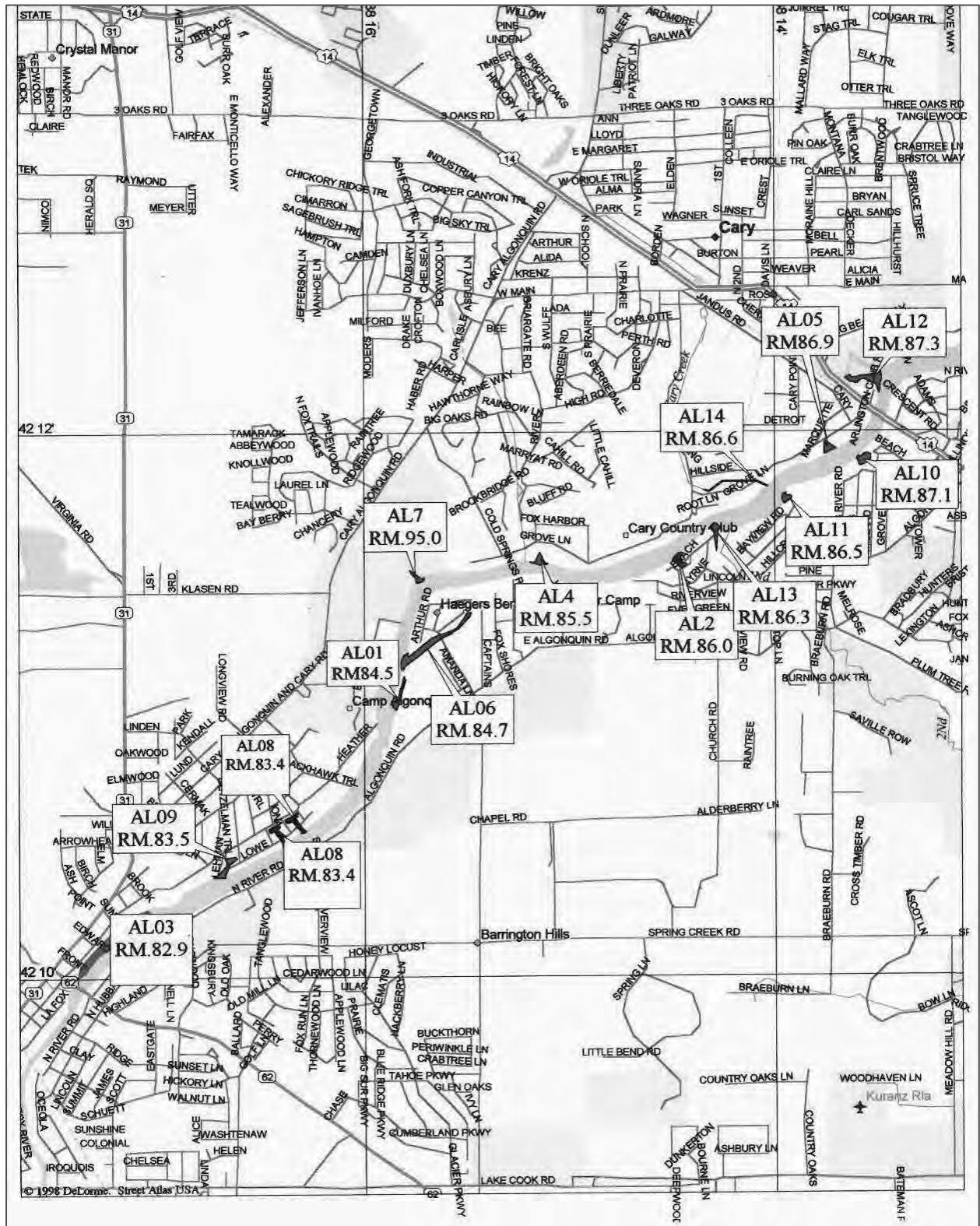


# Map 6 –Fox River Valley Gardens to Cary Mechanical Dredging Sites Only



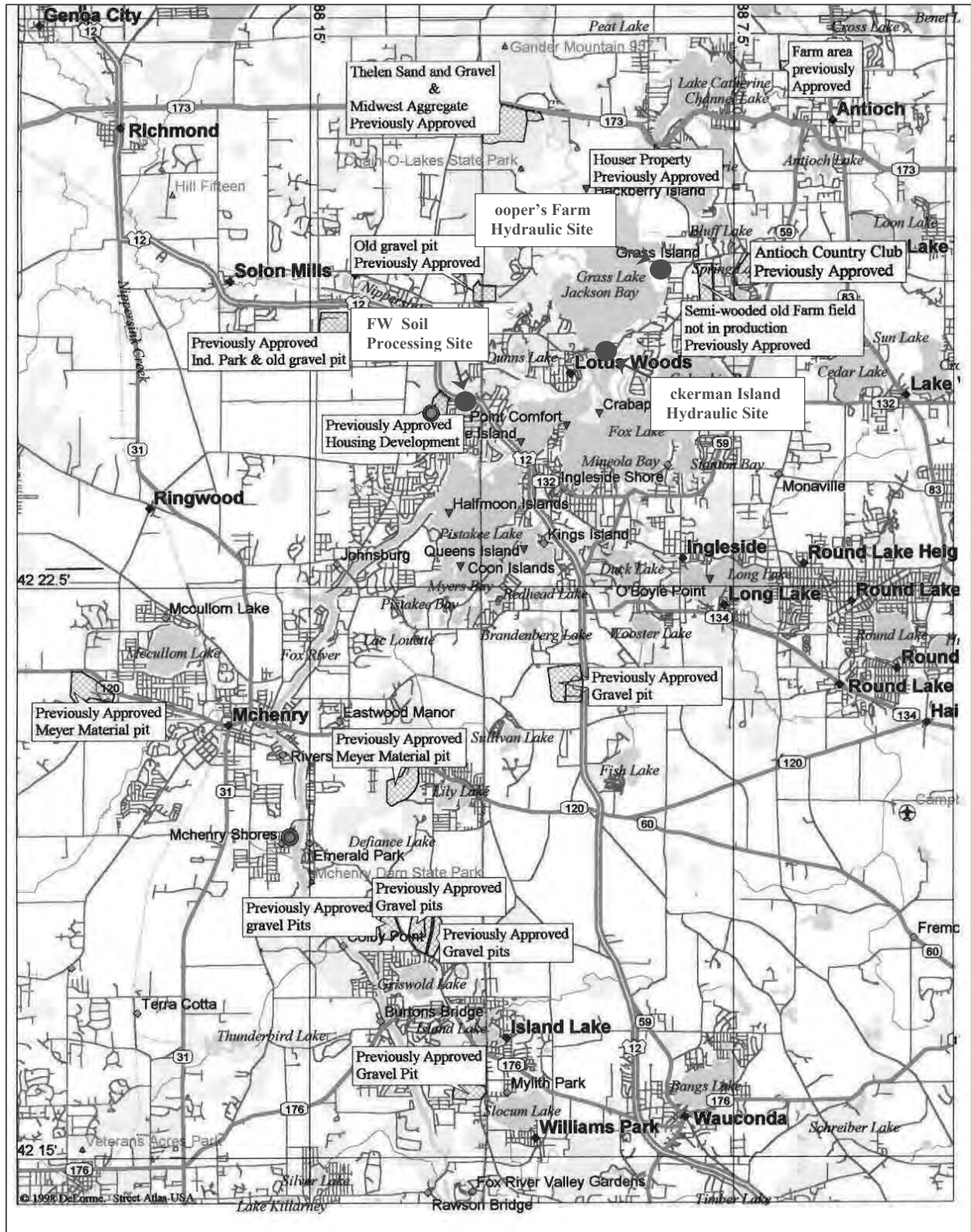
# Map 7 – Fox River from Algonquin to Cary

## Mechanical Dredging Sites Only



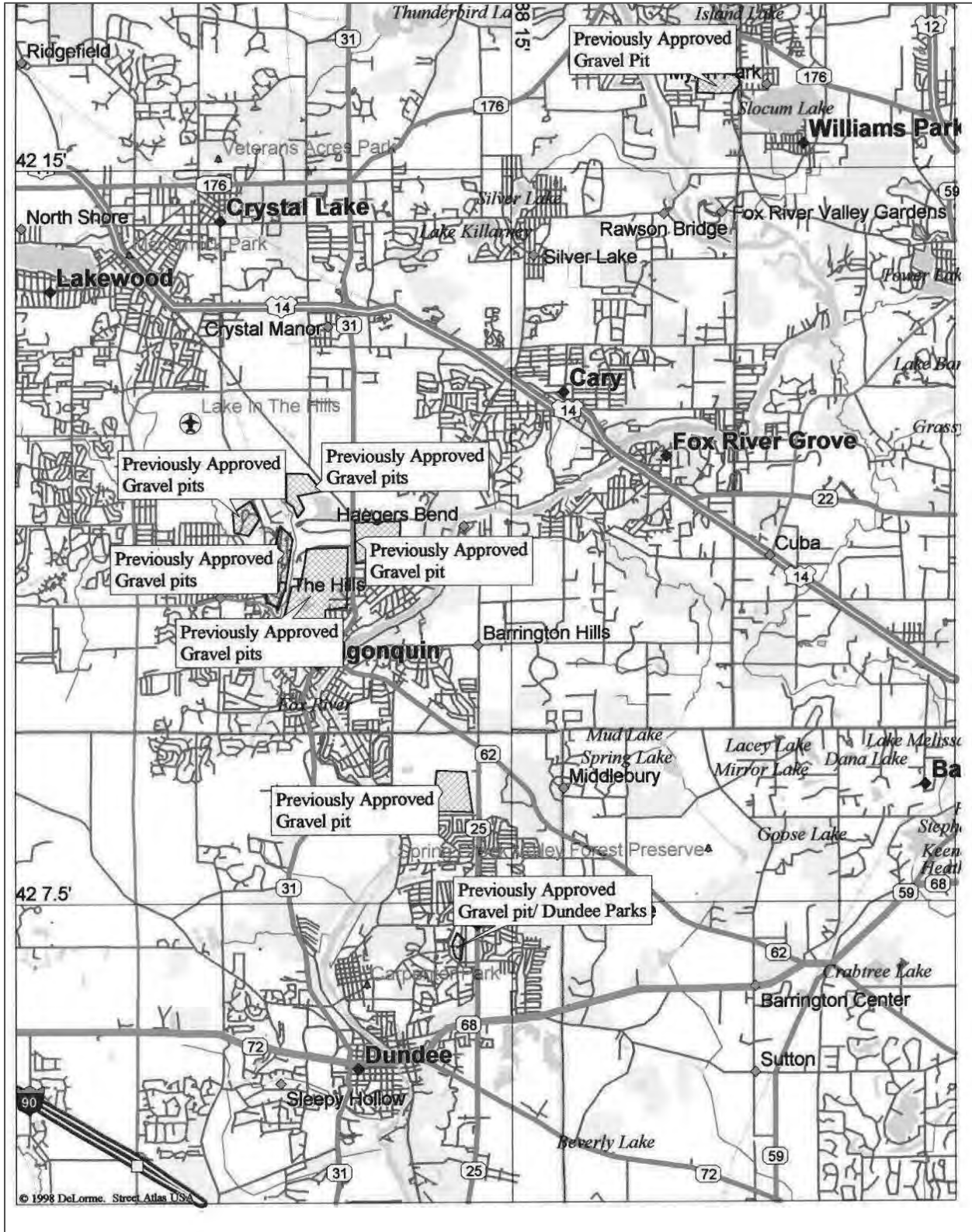
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# PREVIOUSLY APPROVED SEDIMENT PLACEMENT SITES WISCONSIN STATE LINE TO RAWSON'S BRIDGE





# PREVIOUSLY APPROVED SEDIMENT PLACEMENT SITES RAWSON'S BRIDGE TO DUNDEE





\* Additional coordination required due to environmental concerns.