

## Pre-Application Information for an Individual Permit - Dredging

Lake Redstone, Sauk County

On Behalf of the Lake Redstone Protection District

Review of Preliminary Application Summary, per NR 347.05:

### 1. Name of waterbody and project location (See Figure 1):

- a. Lake Redstone (WBIC 1280400), located at the confluence of the East and West Branches of Big Creek (WBIC 1280200) in the township of La Valle, Sauk County, WI. The most downstream portion of the lake is approximately 3 miles east of the Village of La Valle, WI.
- b. Lake Redstone is located in Sections 01, 02, 11, 12, 13, 14, 23, and 24 of Township 13 North, Range 08 East.
- c. Coordinates at the most downstream portion of the Lake (near Lake Redstone Dam) are:
  - i. Latitude: 43° 35' 12" N, Longitude: 90° 05' 13.53" W

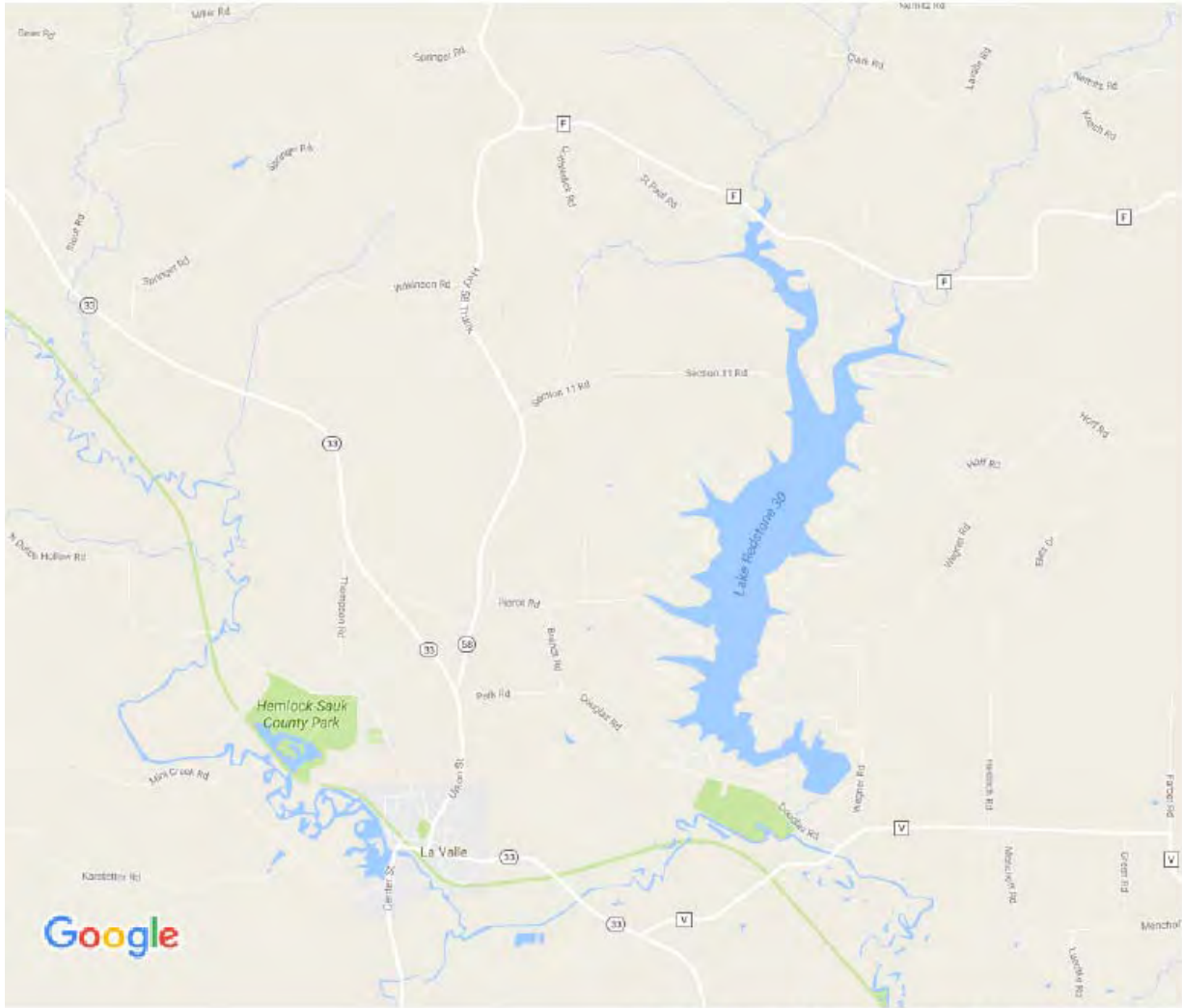
### 2. Volume of material to be dredged:

- a. Initial estimate: up to 100,032 CY (note: total estimate of sediment from 2015 report)
  - i. Based upon discussion with Lake Redstone Protection District on 1/4/2017.
  - ii. A more accurate estimate will be available after pre-application meeting with DNR has been completed.

### 3. Dredging method and equipment, including discussion of containment BMPs to be used:

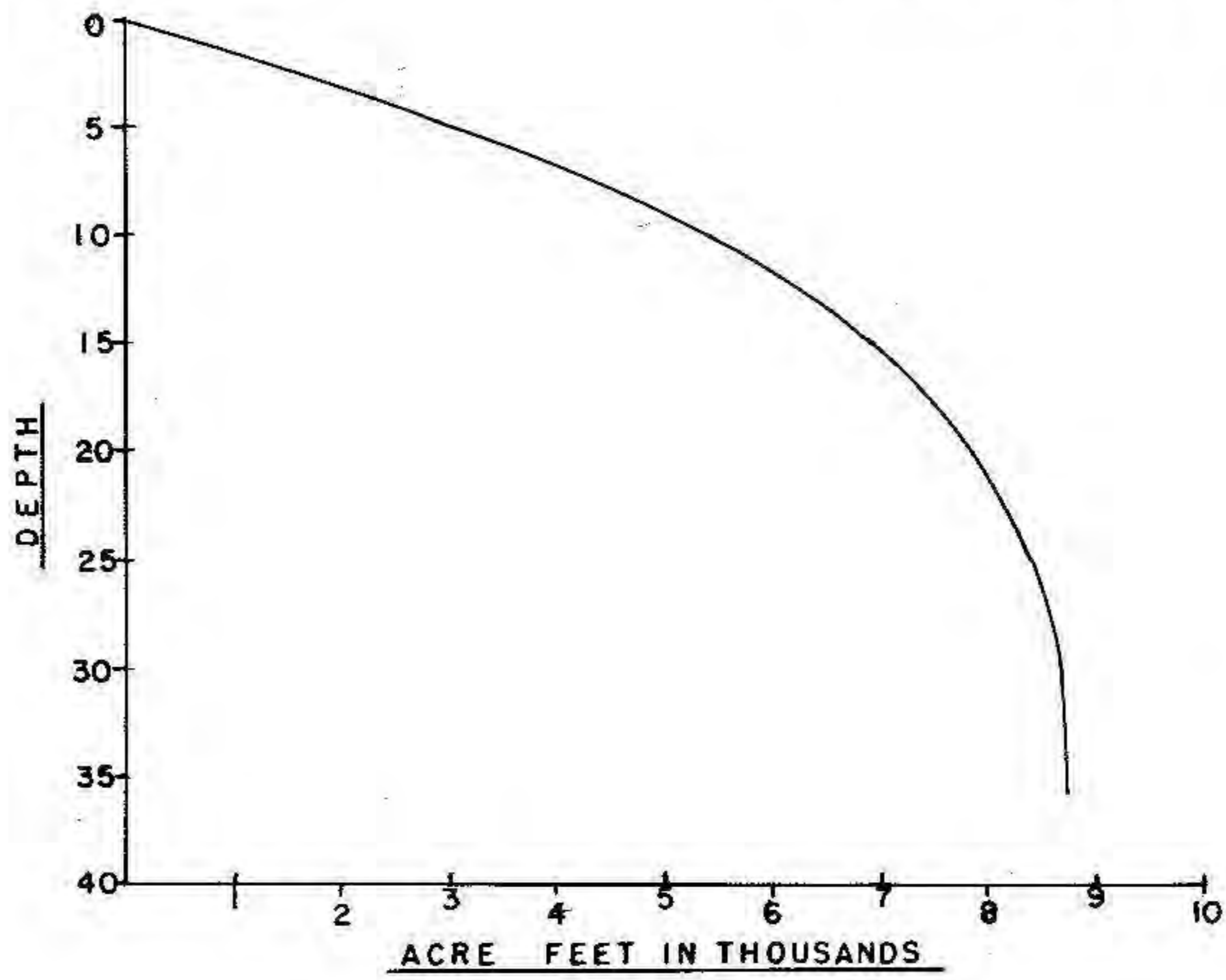
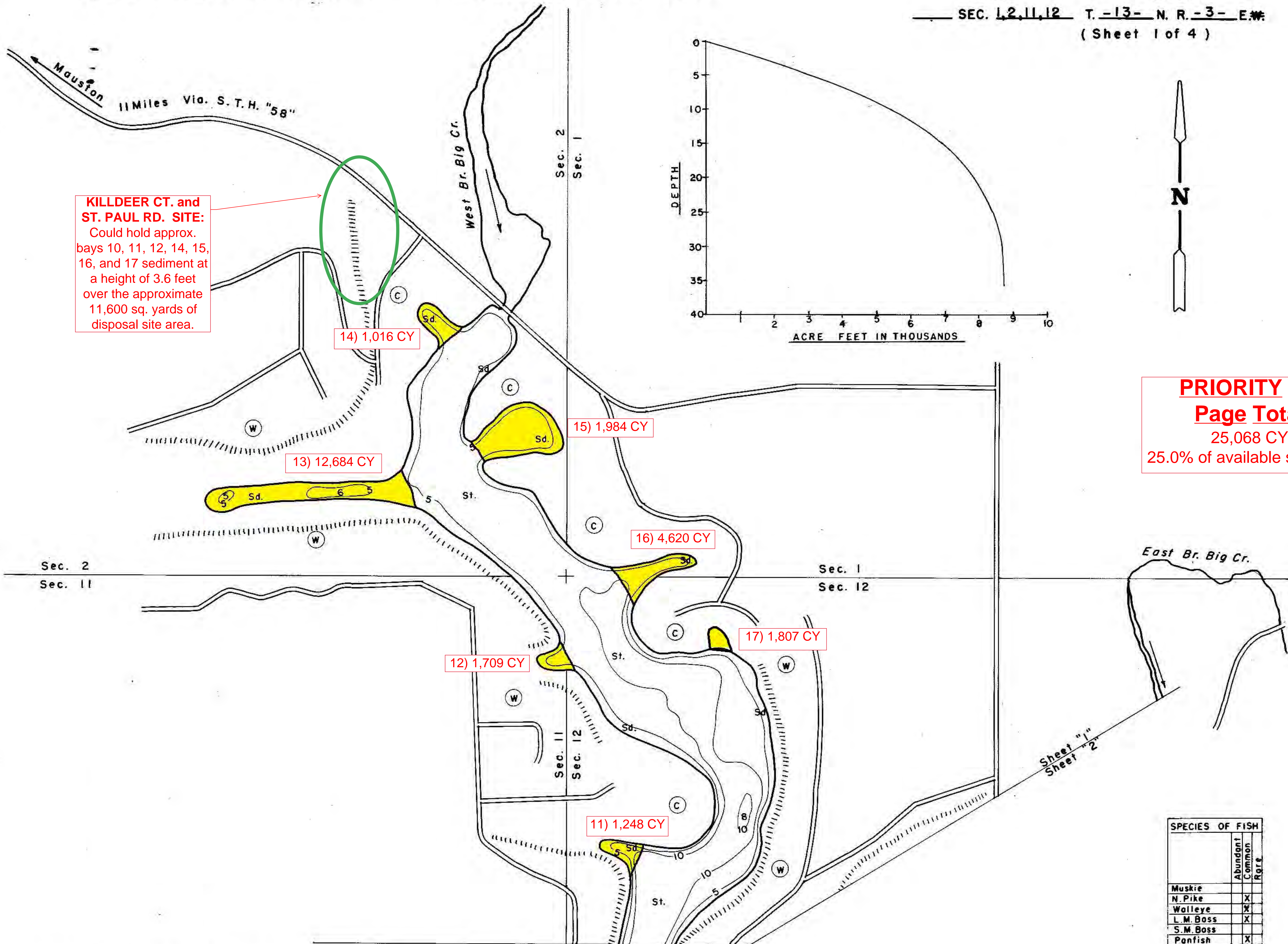
- a. Likely hydraulic dredging per discussion with LRPD on 1/4/2017, equipment to be determined by contractor.
- b. Best Management Practices (BMPs) for Hydraulic dredging (note: BMPs for disposal site are discussed in following section):
  - i. Silt Curtains/ Turbidity Barriers: intended to serve as a barrier between the main body of water and the localized dredging area in order to allow suspended sediment within the localized dredging area to settle out of the water, minimizing the area that is affected by the increased suspended sediment usually present at a hydraulic dredging site. Silt curtains / turbidity barriers allow water to flow through the material (though not quickly) but prevent the sediment or particulate matter from passing through the material. The top of the curtain has a flotation material and the bottom of the curtain has a ballast material attached. Silt curtains are most effective on sites where the curtain does not open up to allow equipment to pass in and out (or the number of passes is limited).
  - ii. Encourage Hydraulic Dredge Operational Controls:
    1. Reducing the swing speed to ensure the cutter head does not move through the cut faster than the cutter head can hydraulically pump the sediment. This practice reduces the overall volume of re-suspended sediment. The goal is to swing the cutter head at a speed that allows the maximum capture of disturbed sediment to be removed by the hydraulic flow. Typical swing speeds are 5-30 feet/minute.
    2. Eliminate bank undercutting by removing sediment in lifts equal or less to 80% of the cutter head diameter.
  - iii. During dredging, the turbidity barrier may not be broken / moved until total suspended solids concentration within the turbidity barrier reaches a concentration equal or lower than the surrounding lake environment's total suspended solids concentration.

4. **Disposal method and location:**
  - a. Method: hydraulically pump to the disposal site, dewater by infiltration into groundwater and (if needed) by settlement and return of carriage water back to Lake Redstone via temporary storm sewer system.
  - b. Disposal Site BMPs:
    - i. Site shall meet or exceed technical standards for erosion control approved by DNR under subchapter V of NR 151.
    - ii. Where topsoil is exposed, the area shall be immediately seeded and mulched to stabilize disturbed areas.
    - iii. All temporary erosion control and sediment control practices shall be removed upon final site stabilization.
    - iv. Any area within 75 feet of the ordinary high water mark, where topsoil is disturbed during construction, shall be stabilized within 24 hours to prevent soil from being washed into the waterway.
    - v. Final plan will likely include the use of: staked hay bales and silt fencing, seeding and mulching with a rapidly growing grass mixture, as well as plans for final stabilization.
  - c. Location: LRPD has identified several smaller LRPD owned sites for disposal and few possible larger privately owned sites for disposal. Information on each attached to this file.
5. **Size of Disposal Facility:** To be discussed / determined based on proposed disposal site(s). Minimum site size would need to facilitate the 'immediate' needs for this proposed dredging project. Sites could be planned with potential to accommodate possible future projects as well.
6. **Previous Sediment Sampling (including field observations) and analysis data from the area to be dredged or from the proposed disposal site:**
  - a. See report titled, "*2015 Lake Redstone Sediment Sampling Report*"
7. **Copy of a map showing area to be dredged, depth of cut, and proposed sediment sampling sites, bathymetry of area to be dredged:**
  - a. See attachments from the report titled "*2015 Lake Redstone Sediment Sampling Report*" for maps of sediment sampling sites, bathymetry of area of bays, and general bay locations.
  - b. The marked-up attached maps indicate the bays that are proposed to be dredged as a part of this project. The sheets are ordered in terms of the priority established by the LRPD at the meeting on 1/4/2017. There are four priority levels.
8. **Anticipated starting and completion dates of the proposed project:**
  - a. 2018 dredging - looking into the earlier spring and later fall months to avoid heavy summer usage of Lake Redstone. Possibly from Ice-Out-March 15 2018 and/or late August-November 2018.
  - b. Looking at coordinating project with other potential work at Lake Redstone.
  - c. Because the project is located south of STH 29, the project shall not occur between dates of March 15 to May 15.
  - d. Tributaries to Lake Redstone and from Lake Redstone to the Baraboo River are not priority trout streams per the colored Sauk County trout stream map. Therefore, dredging between Sept. 15 to May 15 is not restricted for trout concerns.



Map data ©2016 Google 2000 ft

Figure 1: Location Map - Per Google Maps Street View



**KILLDEER CT. and ST. PAUL RD. SITE:**  
 Could hold approx. bays 10, 11, 12, 14, 15, 16, and 17 sediment at a height of 3.6 feet over the approximate 11,600 sq. yards of disposal site area.

**PRIORITY #1:**  
**Page Total**  
 25,068 CY  
 25.0% of available sediment

EQUIPMENT RECORDING SONAR MAPPED JUNE 1967  
 MO. YR.

- TOPOGRAPHIC SYMBOLS
- (B) Brush
  - (W) Partially wooded
  - (W) Wooded
  - (C) Cleared
  - (P) Pastured
  - (A) Agricultural
  - B.M. Bench Mark
  - Dwelling
  - Resort
  - (|||||) Steep slope
  - (---) Indefinite shoreline
  - (---) Marsh
  - (o) Spring
  - (---) Intermittent stream
  - (---) Permanent inlet
  - (---) Permanent outlet
  - (---) Dam
- LAKE BOTTOM SYMBOLS
- P. Peat
  - Mk. Muck
  - C. Clay
  - M. Marl
  - Sd. Sand
  - St. Silt
  - Gr. Gravel
  - R. Rubble
  - Br. Bedrock
  - T Submergent vegetation
  - ↓ Emergent vegetation
  - ≡ Floating vegetation
  - Stumps & Snags

WATER ELEV. 916.20



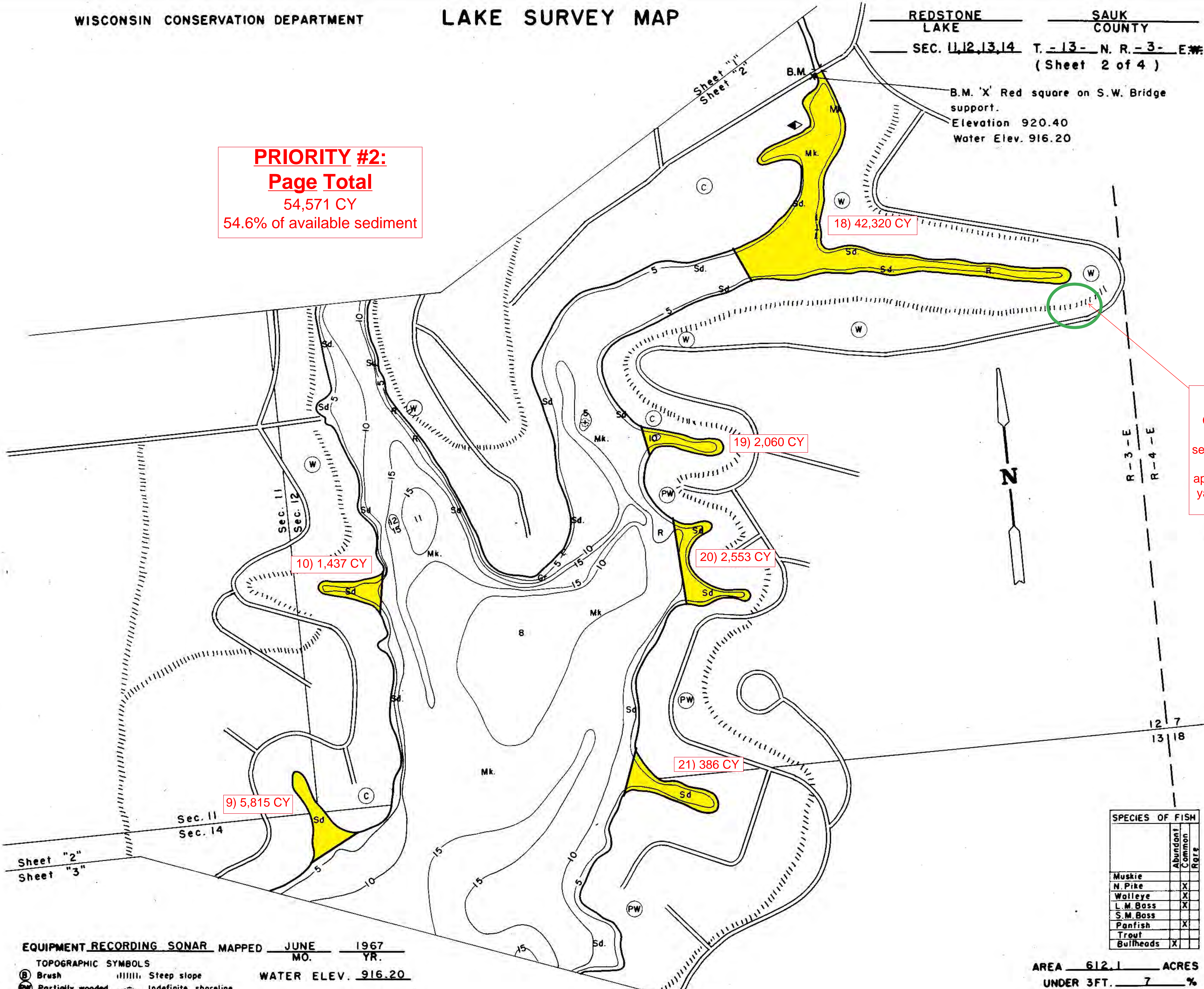
◇ Access      ◀ Access with Parking      ◆ Boat Livery  
 Field work by: H. Schwenn, R. Spielman      Drawn by: E. Eaton

SPECIES OF FISH		
	Abundant	Common
Muskie		
N. Pike	X	
Walleye	X	
L. M. Bass	X	
S. M. Bass		
Panfish	X	
Trout		
Bullheads	X	

AREA 612.1 ACRES  
 UNDER 3FT. 7 %  
 OVER 20FT. 24 %  
 VOLUME 8,715.7 ACRE FT.  
 TOTAL ALK. 128 P.P.M.  
 SHORELINE 16.4 MILES  
 MAX. DEPTH 36 FEET

**PRIORITY #2:**  
**Page Total**  
 54,571 CY  
 54.6% of available sediment

B.M. 'X' Red square on S.W. Bridge support.  
 Elevation 920.40  
 Water Elev. 916.20



**SWALLOW BAY SITE:**  
 Could hold approx. bays 19 and 20 sediment at a height of 4.3 feet over the approximate 3,230 sq. yards of disposal site area.

10) 1,437 CY

19) 2,060 CY

20) 2,553 CY

21) 386 CY

9) 5,815 CY

18) 42,320 CY

EQUIPMENT RECORDING SONAR MAPPED JUNE 1967  
 MO. YR.

- TOPOGRAPHIC SYMBOLS
- (B) Brush
  - (PW) Partially wooded
  - (W) Wooded
  - (C) Cleared
  - (P) Pastured
  - (A) Agricultural
  - B.M. Bench Mark
  - Dwelling
  - Resort
- WATER ELEV. 916.20
- LAKE BOTTOM SYMBOLS
- ||||| Steep slope
  - ~ Indefinite shoreline
  - Marsh
  - Spring
  - Intermittent stream
  - Permanent inlet
  - Permanent outlet
  - Dam
  - P. Peat
  - Mk. Muck
  - C. Clay
  - M. Marl
  - Sd. Sand
  - St. Silt
  - Gr. Gravel
  - R. Rubble
  - Br. Bedrock
  - T Submergent vegetation
  - Emergent vegetation
  - Floating vegetation
  - Stumps & Snags
  - Rock danger to navigation

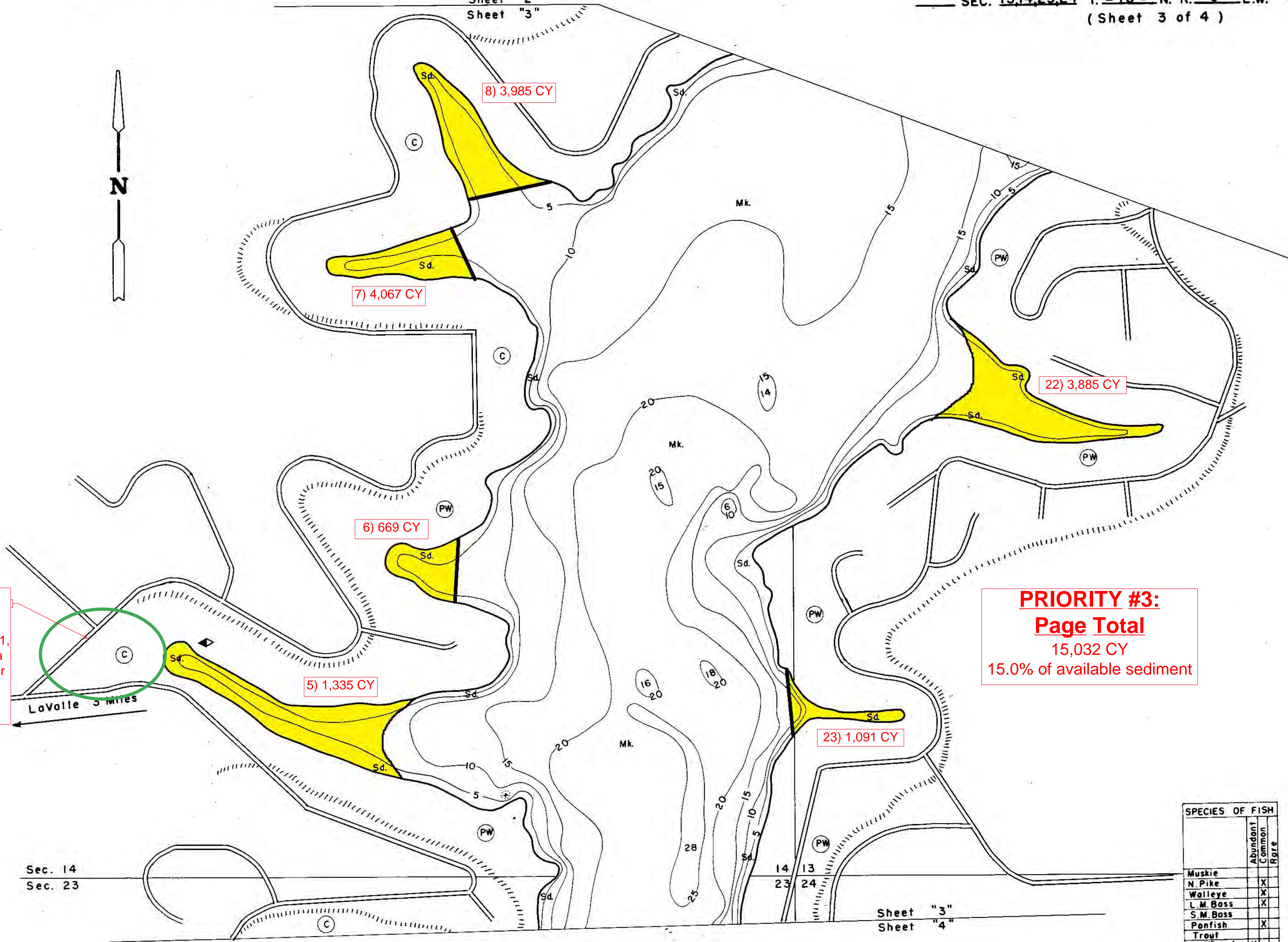


◇ Access      ◇ Access with Parking      ◆ Boat Livery  
 Field work by: H. Schwenn, R. Spielman      Drawn by: E. Eaton

SPECIES OF FISH		
	Abundant	Rare
Muskie		
N. Pike	X	
Walleye	X	
L. M. Bass	X	
S. M. Bass		
Panfish	X	
Trout		
Bullheads	X	

AREA 612.1 ACRES  
 UNDER 3FT. 7 %  
 OVER 20FT. 24 %  
 VOLUME 8,715.7 ACRE FT.  
 TOTAL ALK. 128 P.P.M.  
 SHORELINE 16.4 MILES  
 MAX. DEPTH 36 FEET

Sheet "2"  
 Sheet "3"

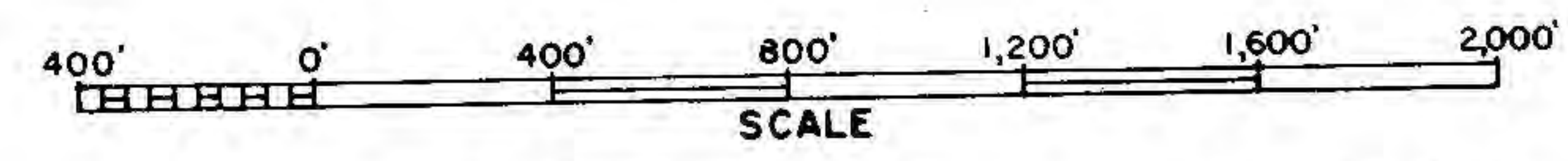


**MOURNING DOVE COURT SITE:**  
 Could hold approx. bays 4, 5, 6, 7, 8, 9, 21, and 22 sediment at a height of 4.5 feet over the approximate 15,600 sq. yards of disposal site area.

**PRIORITY #3:**  
**Page Total**  
 15,032 CY  
 15.0% of available sediment

Sec. 14  
 Sec. 23

- EQUIPMENT RECORDING SONAR MAPPED JUNE 1967  
 MO. YR.
- WATER ELEV. 916.20
- |                       |                            |                     |                         |
|-----------------------|----------------------------|---------------------|-------------------------|
| TOPOGRAPHIC SYMBOLS   |                            | LAKE BOTTOM SYMBOLS |                         |
| (B) Brush             | (     ) Steep slope        | P. Peat             | Gr. Gravel              |
| (PW) Partially wooded | (---) Indefinite shoreline | Mk. Muck            | R. Rubble               |
| (W) Wooded            | (---) Marsh                | C. Clay             | Br. Bedrock             |
| (C) Cleared           | (o) Spring                 | M. Marl             | T Submergent vegetation |
| (P) Pastured          | (---) Intermittent stream  | Sd. Sand            | ↓ Emergent vegetation   |
| (A) Agricultural      | (---) Permanent inlet      | St. Silt            | ⊕ Floating vegetation   |
| B.M. Bench Mark       | (---) Permanent outlet     |                     |                         |
| (■) Dwelling          | (---) Dam                  |                     |                         |
| (■) Resort            |                            |                     |                         |



Access Access with Parking Boat Livery  
 Field work by H.Schwenn, R.Spielman Drawn by: E.Eaton

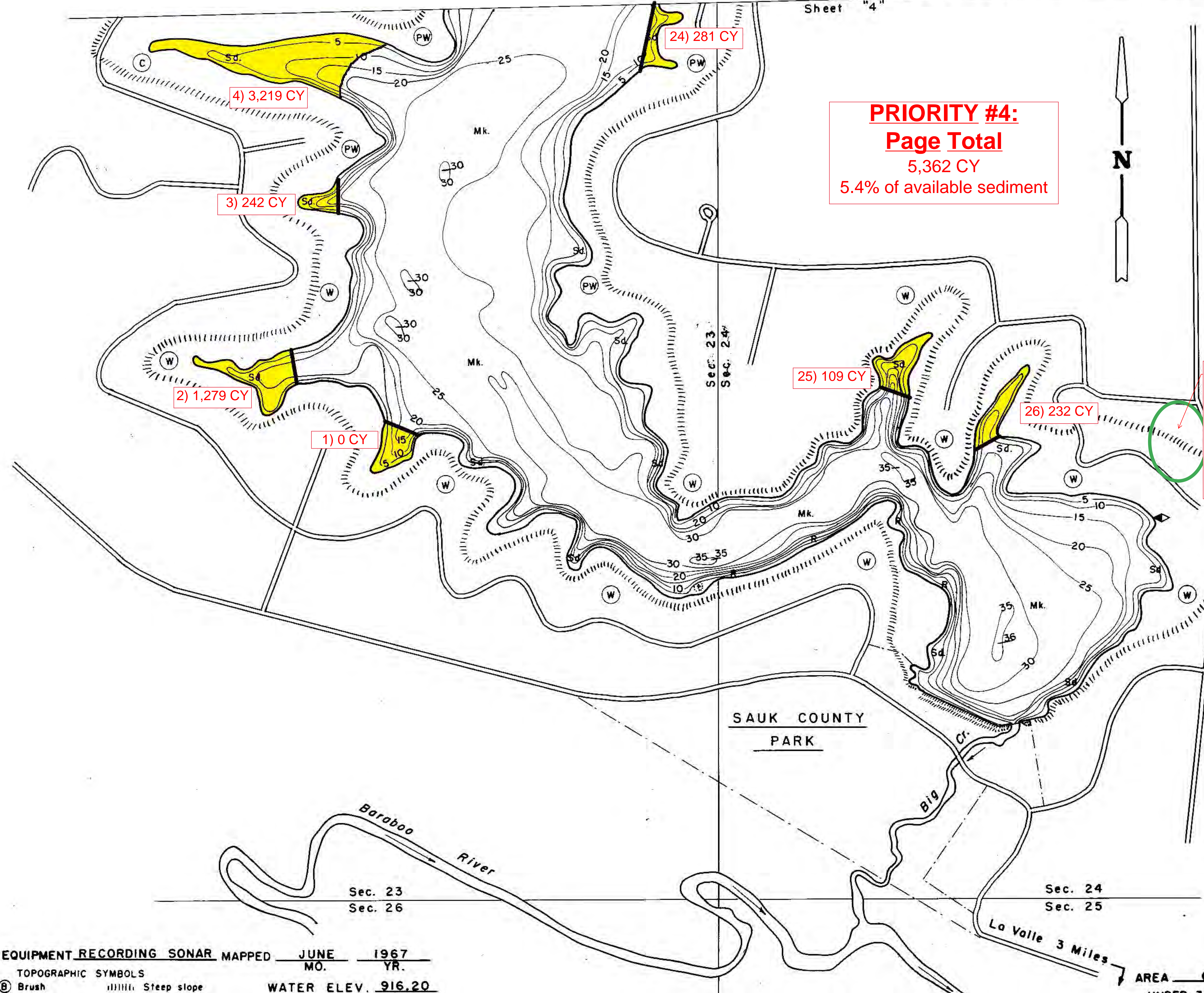
SPECIES OF FISH	Abundance		
	Abundant	Common	Rare
Muskie			
N. Pike	X		
Walleye	X		
L. M. Bass	X		
S. M. Bass			
Panfish	X		
Trout			
Bullheads	X		

AREA 612.1 ACRES  
 UNDER 3FT. 7 %  
 OVER 20FT. 24 %  
 VOLUME 8,715.7 ACRE FT.  
 TOTAL ALK. 128 P.P.M.  
 SHORELINE 16.4 MILES  
 MAX. DEPTH 36 FEET

Sheet "3"  
 Sheet "4"

**PRIORITY #4:**  
**Page Total**  
 5,362 CY  
 5.4% of available sediment

**FOX COURT SITE:**  
 Could hold approx. bays 1, 2, 3, 23, 24, 25, and 26 sediment at a height of 2.6 feet over the approximate 3750 sq. yards of disposal site area.



SAUK COUNTY PARK

Sec. 23  
 Sec. 26

Sec. 24  
 Sec. 25

La Valle 3 Miles

EQUIPMENT RECORDING SONAR MAPPED JUNE 1967  
 MO. YR.

- WATER ELEV. 916.20
- | TOPOGRAPHIC SYMBOLS   |                      | LAKE BOTTOM SYMBOLS |                         |
|-----------------------|----------------------|---------------------|-------------------------|
| (B) Brush             | Steep slope          | P. Peat             | Gr. Gravel              |
| (PW) Partially wooded | Indefinite shoreline | Mk. Muck            | R. Rubble               |
| (W) Wooded            | Marsh                | C. Clay             | Br. Bedrock             |
| (C) Cleared           | Spring               | M. Marl             | T Submergent vegetation |
| (P) Pastured          | Intermittent stream  | Sd. Sand            | ↓ Emergent vegetation   |
| (A) Agricultural      | Permanent inlet      | St. Silt            | ⊞ Floating vegetation   |
| B.M. Bench Mark       | Permanent outlet     |                     |                         |
| ■ Dwelling            | Dam                  |                     |                         |
| ■ Resort              |                      |                     |                         |



◇ Access      ◀ Access with Parking      ◆ Boat Livery  
 Field work by: H. Schwenn, R. Spielman      Drawn by: E. Eaton

SPECIES OF FISH	Abundance		
	Abundant	Common	Rare
Muskie			
N. Pike		X	
Walleye		X	
L. M. Bass		X	
S. M. Bass			
Panfish		X	
Trout			
Bullheads	X		

AREA 612.1 ACRES  
 UNDER 3FT. 7 %  
 OVER 20FT. 24 %  
 VOLUME 8,715.7 ACRE FT.  
 TOTAL ALK. 128 P.P.M.  
 SHORELINE 16.4 MILES  
 MAX. DEPTH 3.6 FEET

Source: Wisconsin Department of Natural Resources 608-266-2621  
Redstone Lake – Sauk County, Wisconsin DNR Lake Map  
Date – Jun 1967 - Historical Lake Maps - Not for Navigation  
A Public Document - Please Identify the Source when using it.



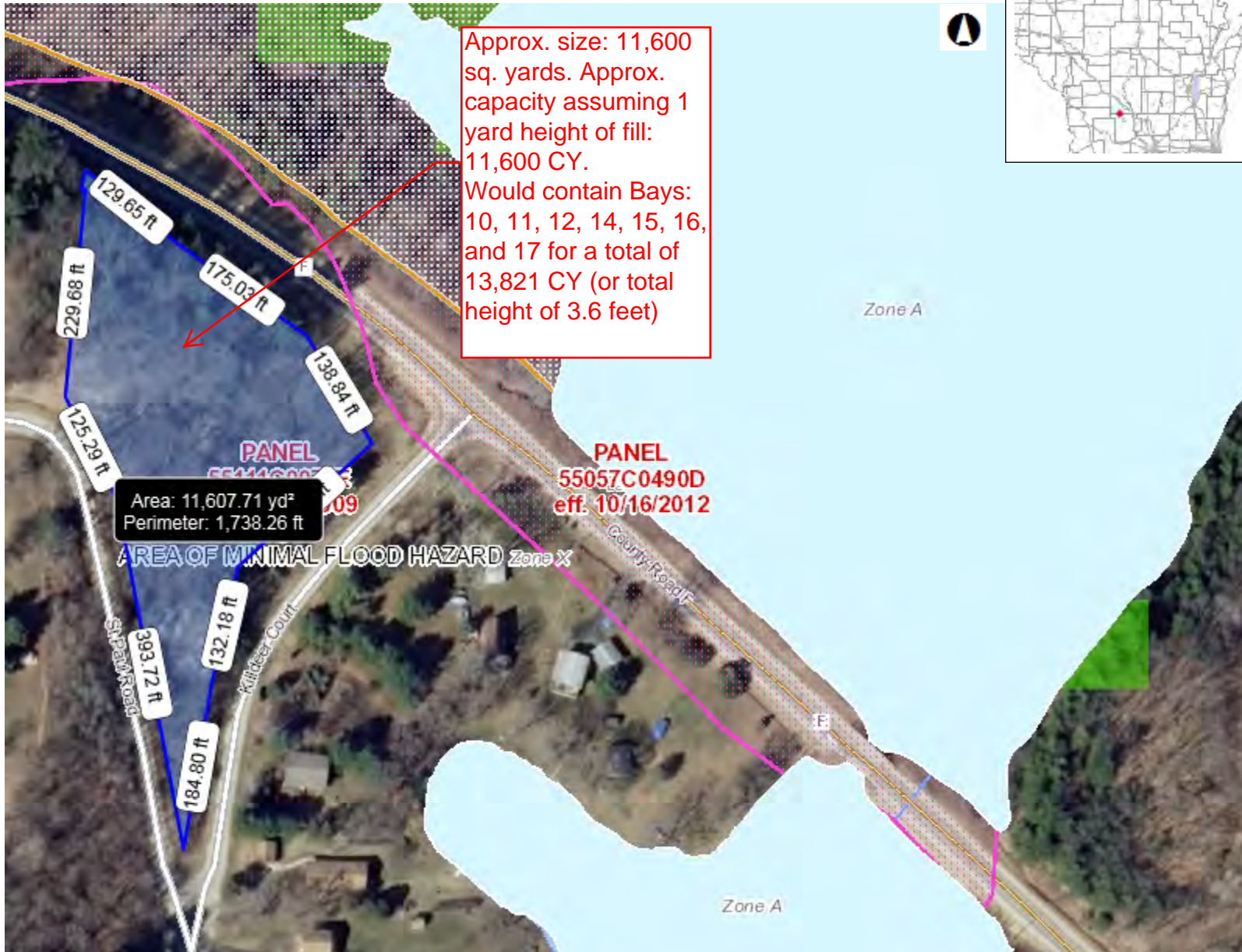


# Surface Water Data Viewer Map



## Legend

- Dams**
  - Yellow square: Dams with FERC License
  - Red square: Dams
- Floodplain Analysis Lines**
  - Yellow line: Other
  - Orange line: Flood Insurance Study
  - Purple line: Letter of Map Revision
  - Dark red line: Case By Case Analysis
  - Red line: Bridge
- Floodplain Analysis Points**
  - Yellow circle: Other
  - Orange circle: Flood Insurance Study
  - Purple circle: Letter of Map Revision
  - Dark red circle: Case By Case Analysis
  - Red line with cross-ticks: Bridge
- FIRM Panels**
  - Red square with 'X': Topological Low Confidence Areas
- Cross-Sections**
- Flood Hazard Boundaries**
  - Grey line: Other Boundaries
  - Orange line: Limit Lines
  - Red line: SFHA / Flood Zone Boundary
- Flood Hazard Zones**
  - Blue square: 1% Annual Chance Flood Hazard
  - Blue and red diagonal lines: Regulatory Floodway
  - Red and blue diagonal lines: Special Floodway
  - Yellow square: Area of Undetermined Flood Hazard
  - Orange square: 0.2% Annual Chance Flood Hazard
  - Black and white diagonal lines: Future Conditions 1% Annual Chance Flood Hazard
  - Black and orange diagonal lines: Area with Reduced Risk Due to Levee
- Wetland Class Points**
  - Yellow triangle: Dammed pond



0.1 0 0.03 0.1 Miles

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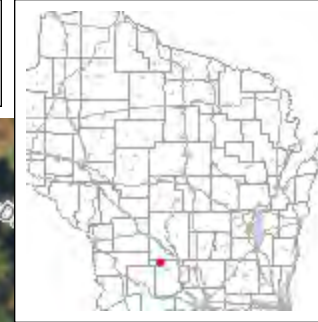
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## Notes



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0.1 0 0.03 0.1 Miles

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## Notes



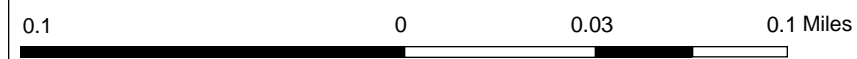
# Surface Water Data Viewer Map



Approx. size: 3,230 sq. yards. Approx. capacity assuming 1 yard height of fill: 3,230 CY. Would contain Bays: 19 and 20 for a total of 4,613 CY (or total height of 4.3 feet)

Total: 79.39 ft  
Area: 3,238.85 yd<sup>2</sup>  
Perimeter: 803.83 ft

**PANEL**  
**55111C0180E**  
eff. 12/18/2009



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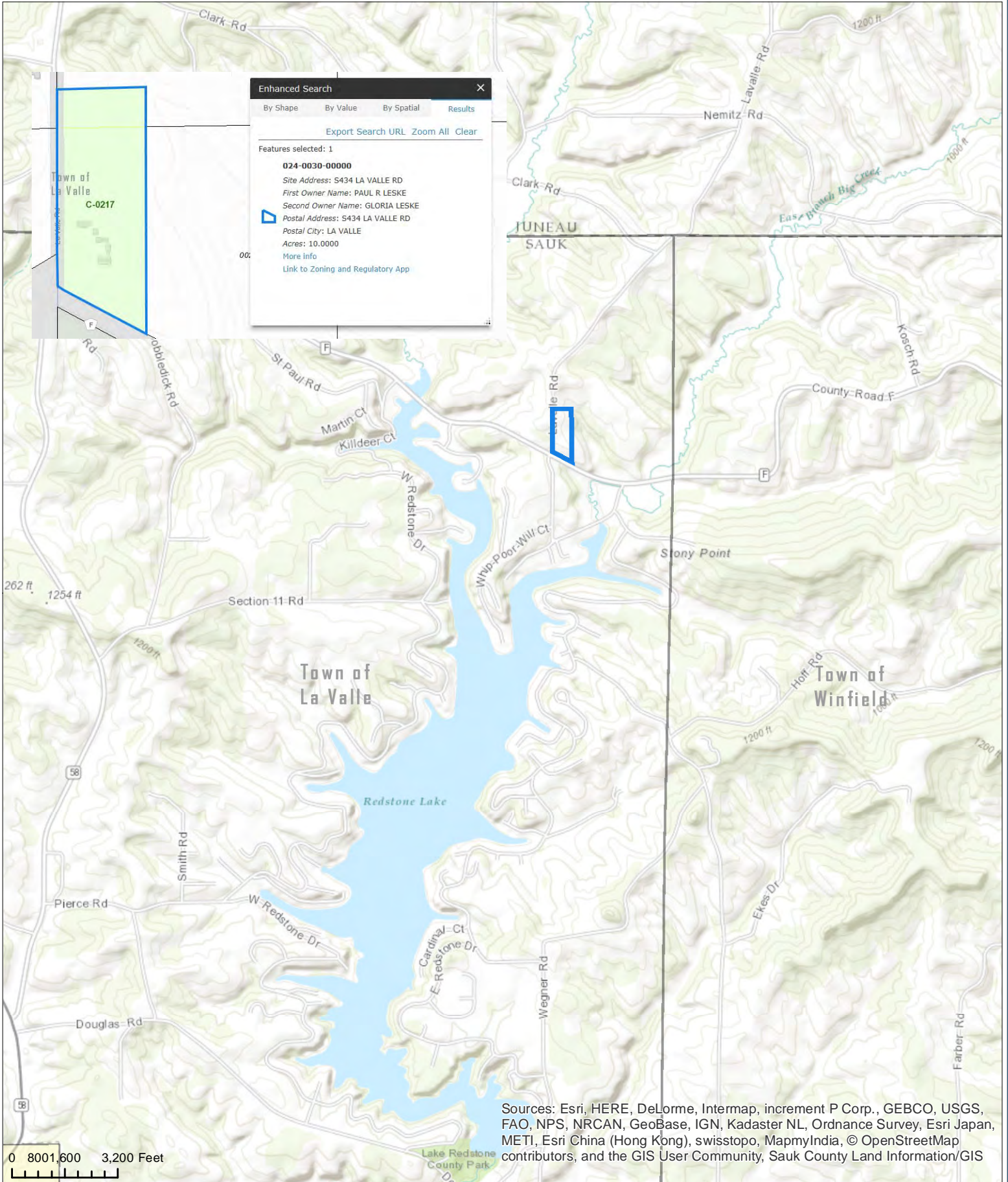
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- Wetland Class Points**
  - Yellow triangle: Dammed pond

## Notes

# Sauk County Land Information/GIS Web Map



**Enhanced Search** [X]

By Shape By Value By Spatial Results

Export Search URL Zoom All Clear

Features selected: 1

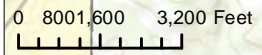
**024-0030-00000**

Site Address: S434 LA VALLE RD  
 First Owner Name: PAUL R LESKE  
 Second Owner Name: GLORIA LESKE

Postal Address: S434 LA VALLE RD  
 Postal City: LA VALLE  
 Acres: 10.0000

[More Info](#)  
[Link to Zoning and Regulatory App](#)

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community, Sauk County Land Information/GIS

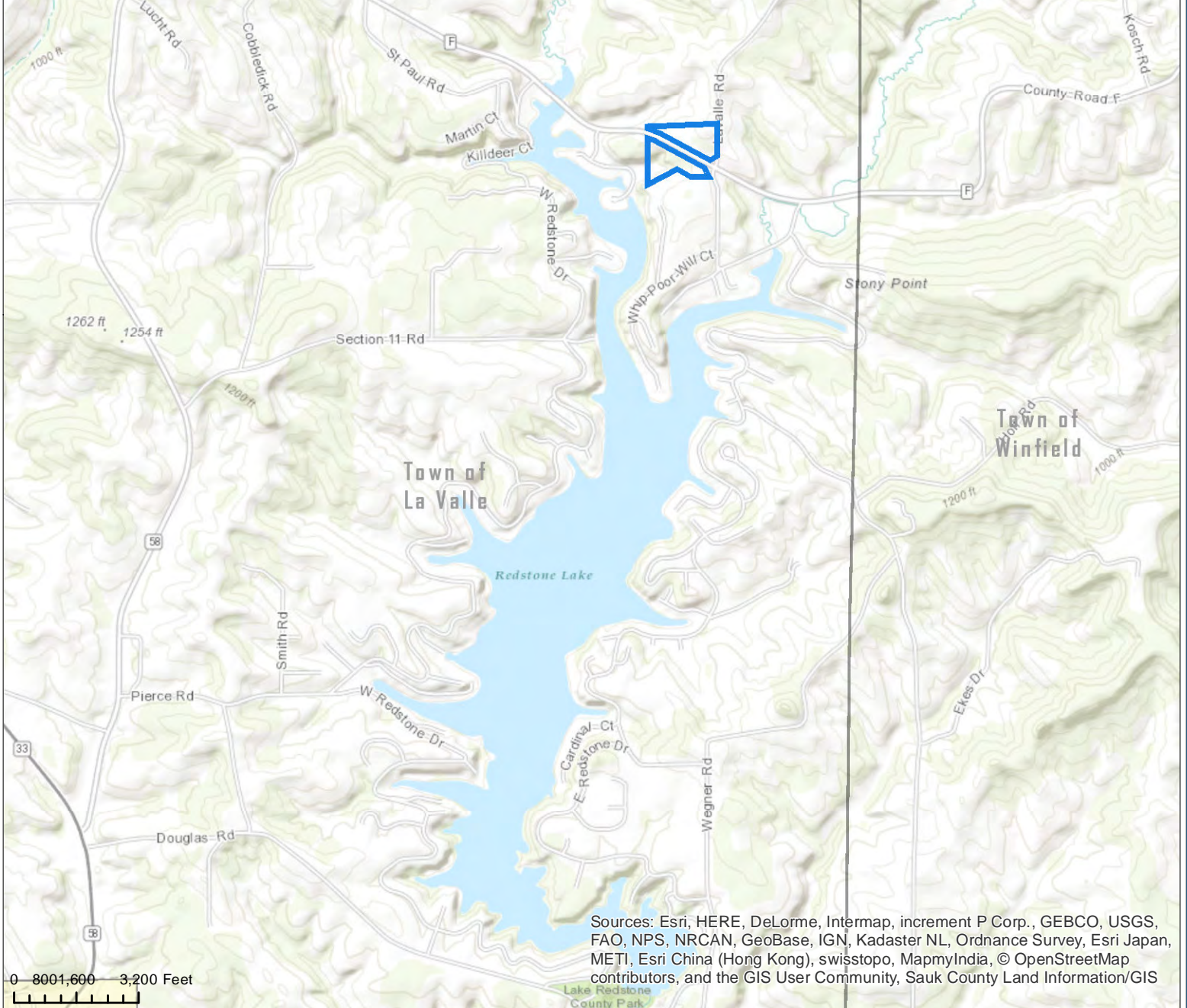
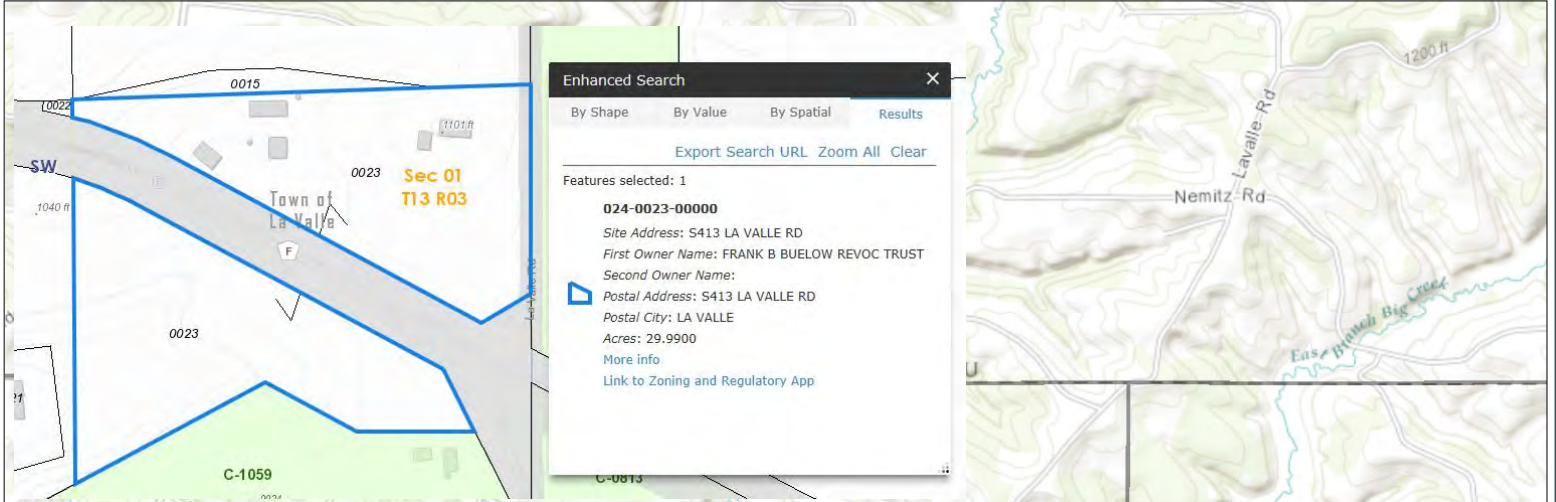


Tax Parcels	PLSS Section Line	Road ROW	<b>Easements</b>		Lease	CSM	Plat of Survey
Tax Parcels - Ortho View	PLSS 1/4 Section	Railroad ROW	Prescriptive Right Of Way	Easement	Other	Assessor Plat	Cemetery Plat
Lots	PLSS 1/4 1/4 Section	Municipal Boundaries	Private Ingress-Egress	Utility	Unknown	Subdivision	Transportation Plat
Meander Line	PLSS Fractional Lots	Conservation	Conservation	Flood	Condominium	Transportation Plat	

FOR INFORMATIONAL PURPOSES ONLY Sauk County does not attest to the accuracy of the data contained herein and makes no warranty with respect to its correctness or validity. Data contained in this map is limited by the method and accuracy of its collection.



# Sauk County Land Information/GIS Web Map



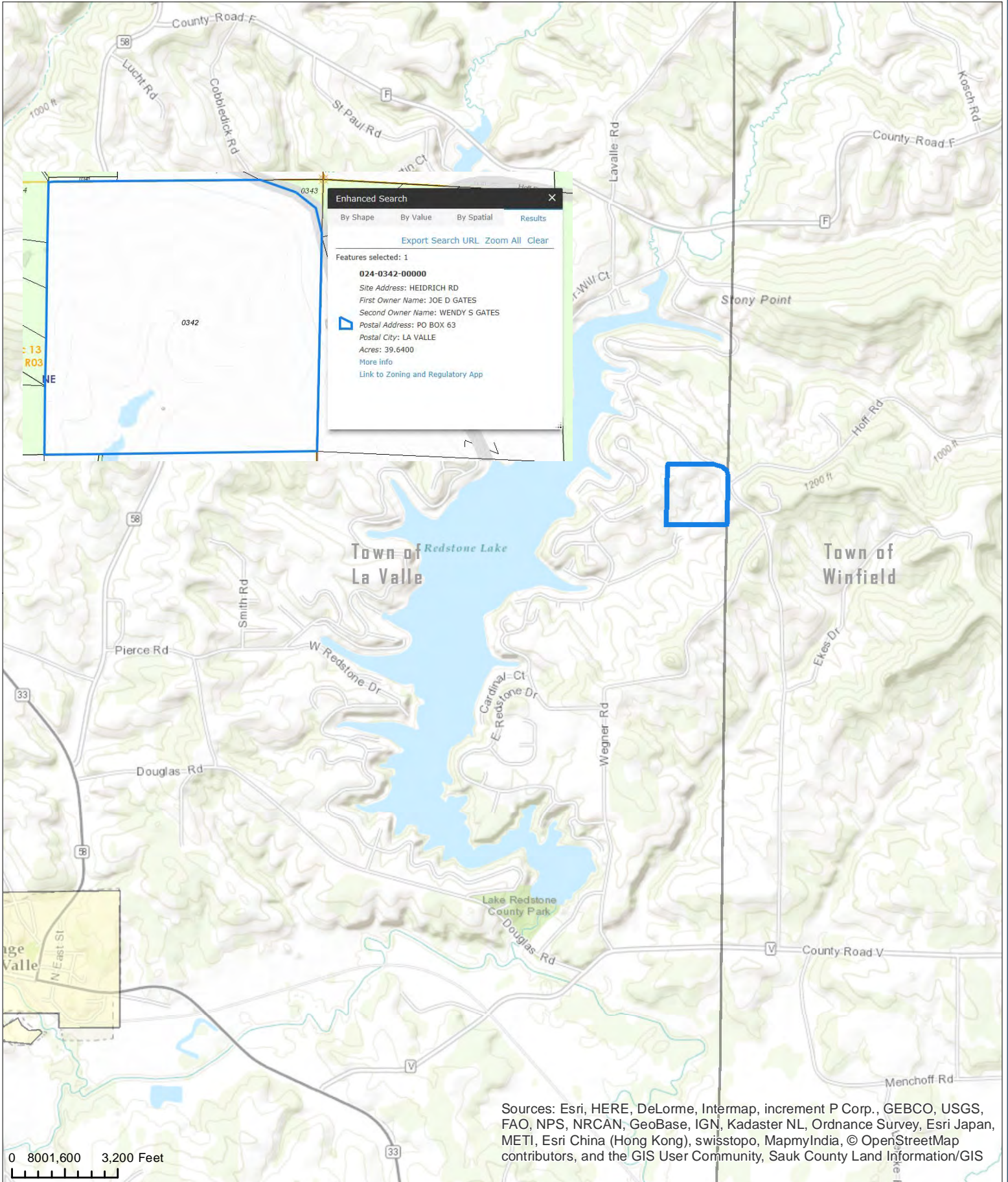
Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community, Sauk County Land Information/GIS

Tax Parcels	PLSS Section Line	Road ROW	<b>Easements</b>		Lease	<b>Survey Boundary</b>		Plat of Survey
Tax Parcels - Ortho View	PLSS 1/4 Section	Railroad ROW	Prescriptive Right Of Way	Easement	Other	CSM	Assessor Plat	Cemetery Plat
Lots	PLSS 1/4 1/4 Section	Municipal Boundaries	Private Ingress-Egress	Utility	Unknown	Subdivision	Condominium	Transportation Plat
Meander Line	PLSS Fractional Lots	Building Footprints	Conservation	Flood				

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# Sauk County Land Information/GIS Web Map



**Enhanced Search** [X]

By Shape By Value By Spatial Results

Export Search URL Zoom All Clear

Features selected: 1

**024-0342-00000**

Site Address: HEIDRICH RD  
 First Owner Name: JOE D GATES  
 Second Owner Name: WENDY S GATES  
 Postal Address: PO BOX 63  
 Postal City: LA VALLE  
 Acres: 39.6400  
 More info  
[Link to Zoning and Regulatory App](#)

Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community, Sauk County Land Information/GIS

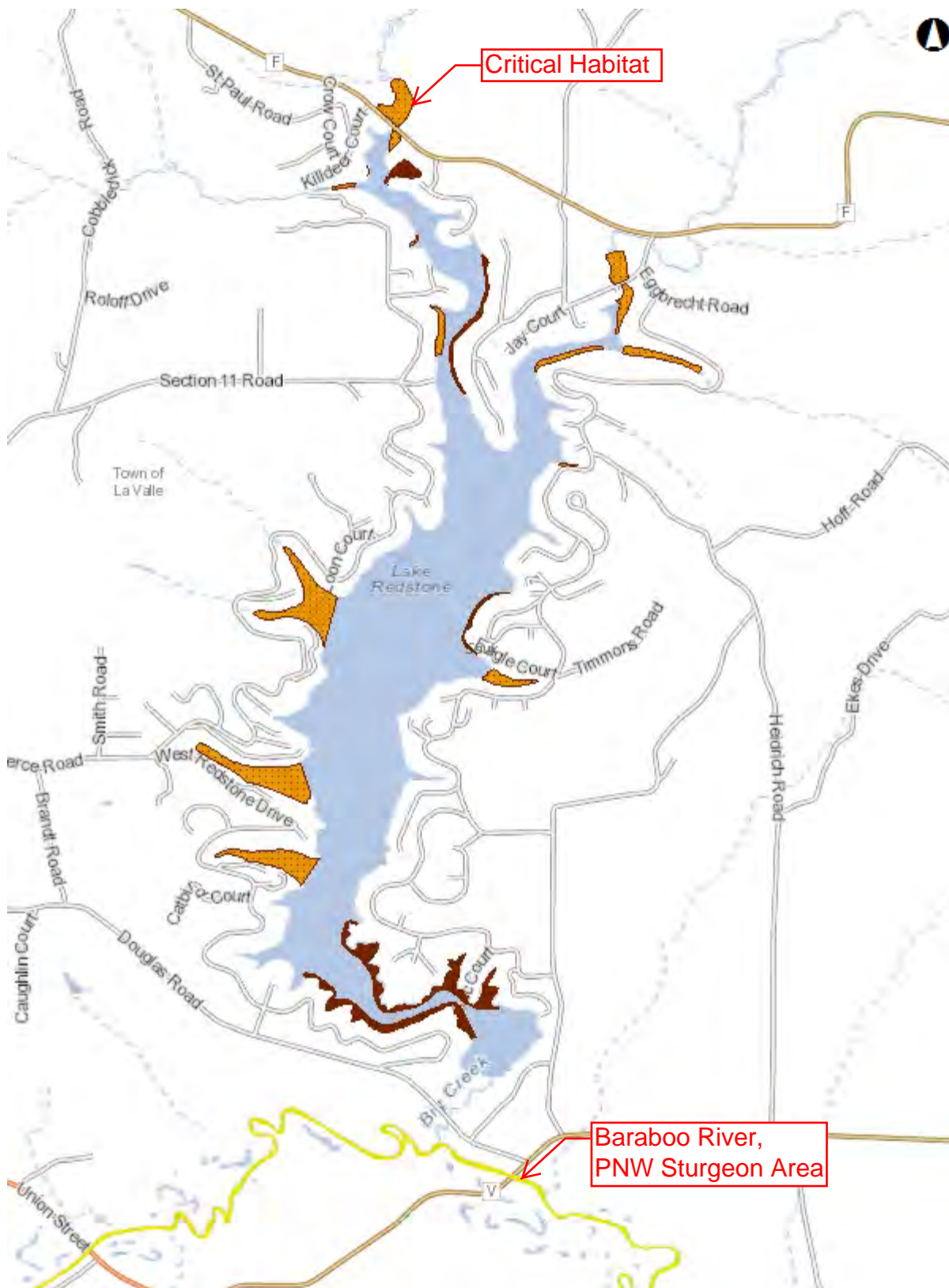
Tax Parcels	PLSS Section Line	Road ROW	<b>Easements</b>		Lease	CSM	Plat of Survey
Tax Parcels - Ortho View	PLSS 1/4 Section	Railroad ROW	Prescriptive Right Of Way	Easement	Other	Subdivision	Assessor Plat
Lots	PLSS 1/4 1/4 Section	Municipal Boundaries	Private Ingress-Egress	Utility	Unknown	Condominium	Cemetery Plat
Meander Line	PLSS Fractional Lots	Building Footprints	Conservation	Flood	Transportation Plat		

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# SWDV Map - Designated Waters Template



## Legend

- PNW-PRF Other Public Rights Features
- PNW-ASNRI Sensitive Areas of Lakes
- PNW-ASNRI Wild and Scenic Rivers
- PNW-ASNRI Outstanding and Exceptional Streams
- PNW-ASNRI Trout Streams
- PNW-ASNRI Wild Rice Streams
- PNW-ASNRI Quality Wetland Streams
- PNW-ASNRI Outstanding and Exceptional Lakes
- PNW-ASNRI Quality Wetland Areas
- PNW-ASNRI Wild Rice Areas
- PNW-ASNRI Trout Spring Ponds
- PNW-ASNRI State Natural Areas
- PNW Musky Streams
- PNW Sturgeon Streams
- PNW Musky Areas
- PNW Sturgeon Areas
- PNW Walleye Areas
- PNW Lakes Less Than 50 Acres
- County Boundary
- Municipality
- State Boundaries
- County Boundaries
- Major Roads**
  - Interstate Highway
  - State Highway
  - US Highway
- County and Local Roads**
  - County HWY
  - Local Road

1.0 0 0.50 1.0 Miles

1: 31,680

NAD\_1983\_HARN\_Wisconsin\_TM  
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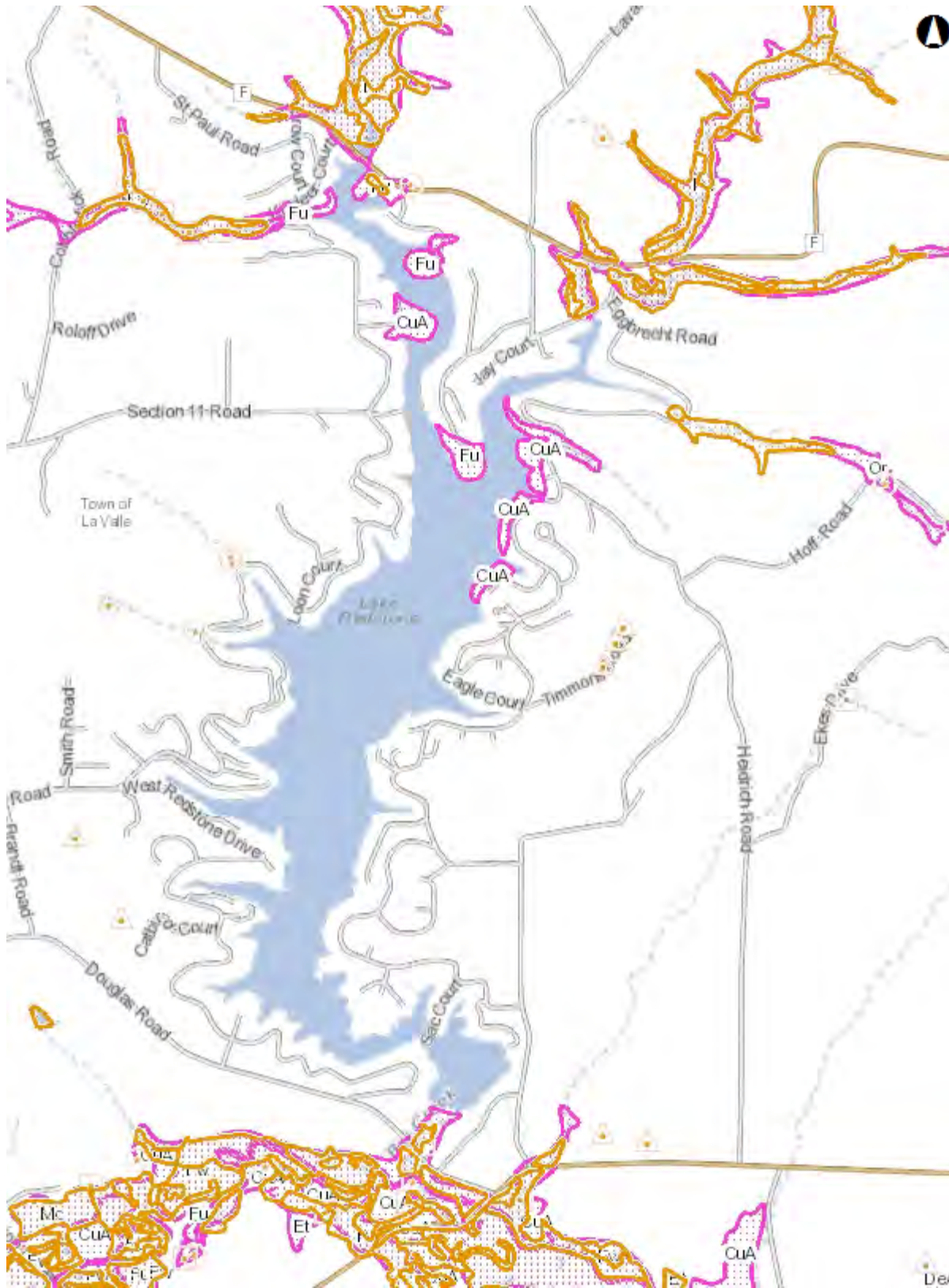
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## Notes





# Surface Water Data Viewer Map



### Legend

**Wetland Class Points**

- ▲ Dammed pond
- ◻ Excavated pond
- ◻ Filled excavated pond
- ▲ Filled/draind wetland
- Wetland too small to delineate

**Filled Points**

- ▨ Filled Points

**Wetland Class Areas**

- ▨ Wetland
- Upland

**Filled Areas**

- ▨ Filled Areas

**Other Features**

- ✳ NRCS Wetspots
- ▨ Wetland Indicators
- Municipality
- State Boundaries
- ▨ County Boundaries

**Major Roads**

- Interstate Highway
- State Highway
- US Highway

**County and Local Roads**

- County HWY
- Local Road

**Other Features**

- + Railroads
- ▨ Tribal Lands
- Rivers and Streams
- Intermittent Streams
- Lakes and Open water

1.0 0 0.50 1.0 Miles

1: 31,680

NAD\_1983\_HARN\_Wisconsin\_TM  
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Notes

## Skoyen, Janelle

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**From:** Schure, Jeff J - DNR <Jeff.Schure@wisconsin.gov>  
**Sent:** Tuesday, December 13, 2016 9:33 AM  
**To:** Skoyen, Janelle; Byla, Algis B - DNR  
**Cc:** Goodwin, Chris; Chuck Ecklund; Glenn Choroszy; Ken Keeqstra; Thomas Happ; Tom Walters; Graham, Susan - DNR; Unmuth, Jean M - DNR; Nye, Nathan J - DNR  
**Subject:** RE: Lake Redstone - Preparation for Pre-Application meeting with DNR

Janelle,

Thank you for the questions and the heads up on the pre-application meeting. The checklist for the pre-application meeting is a great start for preparing to discuss the project. The only additional items that I can think of that is beyond what is on the list would be to address how the dredging will take into considerations the existing habitat located within our designated sensitive areas on the lake. Also discussion on how the dredging would affect bank stability within the narrow channels that have unstable soils currently.

We would be to meet to discuss when you have this information ready to present as schedules allow. Again, thank you for the opportunity to respond.

Jeff

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Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

### Jeff J. Schure

Water Regulation and Zoning Specialist – Division of Water/ Watershed Management  
Wisconsin Department of Natural Resources  
Phone: (608) 275-3228

**General Waterways Information Line (920) 662-5452**

[jeff.schure@wisconsin.gov](mailto:jeff.schure@wisconsin.gov)



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**From:** Skoyen, Janelle [mailto:SkoyenJ@AyresAssociates.com]

**Sent:** Monday, December 12, 2016 3:51 PM

**To:** Schure, Jeff J - DNR; Byla, Algis B - DNR

**Cc:** Goodwin, Chris; Chuck Ecklund; Glenn Choroszy; Ken Keeqstra; Thomas Happ; Tom Walters

**Subject:** Lake Redstone - Preparation for Pre-Application meeting with DNR

Good afternoon Mr. Schure and Mr. Byla,

Ayres Associates submitted a sediment sampling plan on behalf of the Lake Redstone Protection District (LRPD) last fall (second attached file to this e-mail). The sampling, coring, and probing of lake bed sediments and hydrographic survey of the lake bays was completed over November 2015- February 2016. A final report, titled "*Lake Redstone Sediment Sampling*", summarizes the findings and was submitted to the LRPD in May 2016.

Ayres Associates is again working with the LRPD (all board members are copied on this e-mail) to develop a conceptual plan to potentially dredge areas of Lake Redstone. We will be meeting with the LRPD, likely in very

early 2017, to review the *Lake Redstone Sediment Sampling Report*, discuss available dredge methods, potential staging and disposal sites, other permit requirements in order to prepare for a pre-application meeting with the DNR, and any other concerns or discussion about the proposed dredging.

I am e-mailing you both ahead of this meeting with the LRPD to update you on the LRPD's plans to develop a conceptual plan for dredging Lake Redstone and to ask if you have any additional information besides what is required for the pre-application meeting that you think would be beneficial for the LRPD to discuss prior to scheduling a pre-application meeting with you.

- It is my understanding that, for the pre-application meeting with the DNR, the information on the attached *draft* pre-application requirements document is needed. After meeting with the LRPD, we should be able to complete the attached information and prepare additional conceptual planning materials to provide at a pre-application meeting with the DNR.
- The LRPD will likely be requesting a pre-application meeting to be scheduled with the DNR in early 2017.

If you have any initial questions or comments, please let me know!

Thank you,

Janelle



**Janelle Skoyen**

Water Resources Engineering Staff

**Ayres Associates**

3433 Oakwood Hills Parkway • Eau Claire, WI 54701-7698

Office: 715.834.3161 • Direct: 715.831.7527

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[www.AyresAssociates.com](http://www.AyresAssociates.com)