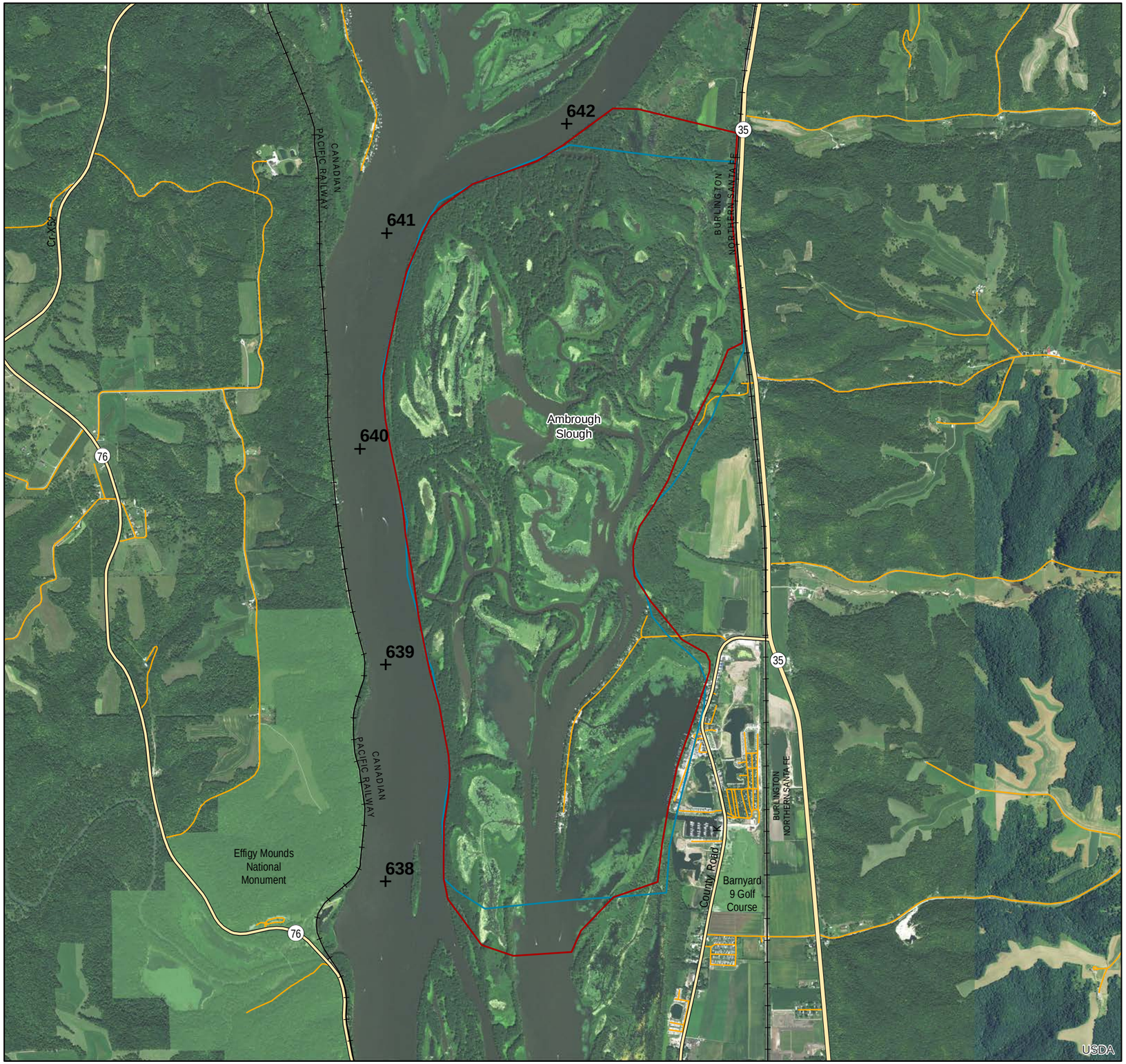
Ambrough Slough



Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 2,746

Proposed Polygon Acres: 2,856

2010 Report to Congress Acres: 2,920

Study Area Acres: 2,965

Study Area Source: DPR, page 10-1

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the DPR, and the Fact Sheet.

2.

3.

Resolutions

1. Adjust west boundary to follow the WI shoreline.

2. Adjust the eastern boundary to follow generally follow shoreline.

3.

Rationale

Features that were considered would primarily affect aquatic habitat.

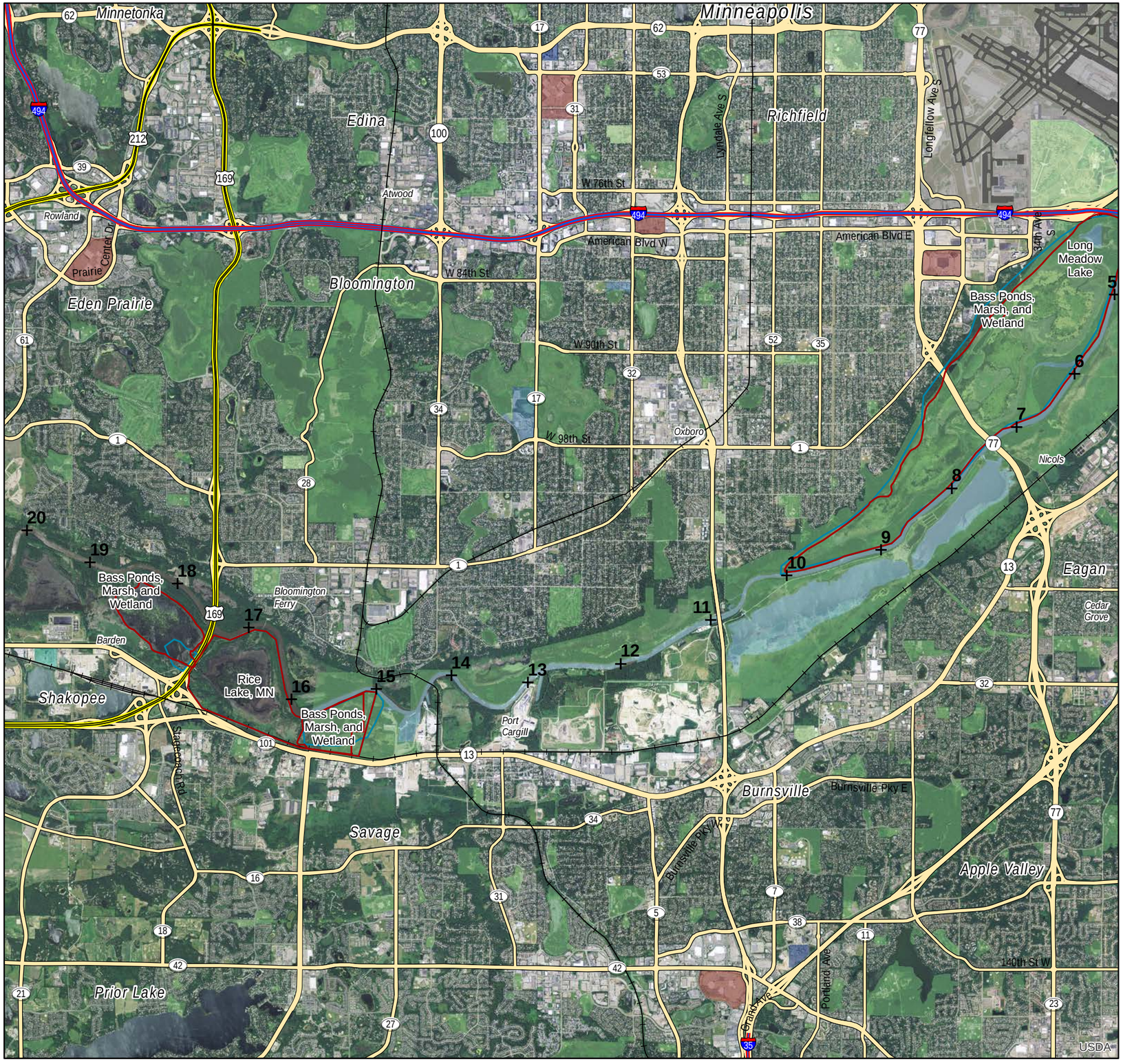
HREP Boundaries Proposed

HREP Boundaries Existing

0 6.5 13 19.5 26 Miles

1:30,370

Bass Ponds, Marsh, and Wetland



Project Information

US Army Corps of Engineers ®

District: MVP

Status: Active

Database Acres (existing): 390

Proposed Polygon Acres: 492

2010 Report to Congress Acres: 390

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, and the study area reported in the Fact Sheet. There is no depiction of the Ephemeral Wetlands Focus Area.

2.

3.

Resolutions

1. Adjusted the Fisher Lake area to include the entire lake (i.e., the shoreline).

2. Adjusted the east boundary (i.e., between FWS and Continental Grain Project lands) to match that of the Rice Lake HREP (ie. limit it to FWS Refuge boundary).

3. No map element showing the ephemeral wetlands area.

Rationale

The objectives of the project as stated in the Fact Sheet are limited to the shallow floodplain lake and marsh. For the Continental Grain site, there is private land to the East that should not be included in the study area. For the Fisher Lake area, the project proposes to enable water level management that will affect the entire lake. For the ephemeral wetlands area, the Fact Sheet show the entire lower MN River corridor as the study area; this is not a practical depiction of the study area, thereofre it is not included. It is anticipated that the Feasibility Report will have a better representation of this element that can be depicted in a map.

HREP Boundaries Proposed

HREP Boundaries Existing

0 10 20 30 40 Miles

1:69,850

Blackhawk Park

Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 82

Proposed Polygon Acres: 289

2010 Report to Congress Acres: 150

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary and private land. The northern boundary appears to traverse private lands or lands owned by the county (Vernon County). Boundary also does not appear to follow the channel, Nancy Lake, and Long Slough shorelines.

2.

3.

Resolutions

1. Extend the southern boundry.

2.

3.

Rationale

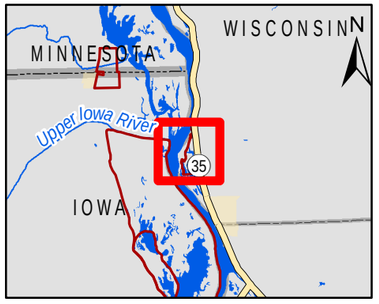
The DPR describes the project area as including Nancy Lake and Long Slough which wasn't included in the original map. Project objectives are limited to aquatic habitat, but land and water was included in the study area as it is recognized as a comlex.

HREP Boundaries Proposed

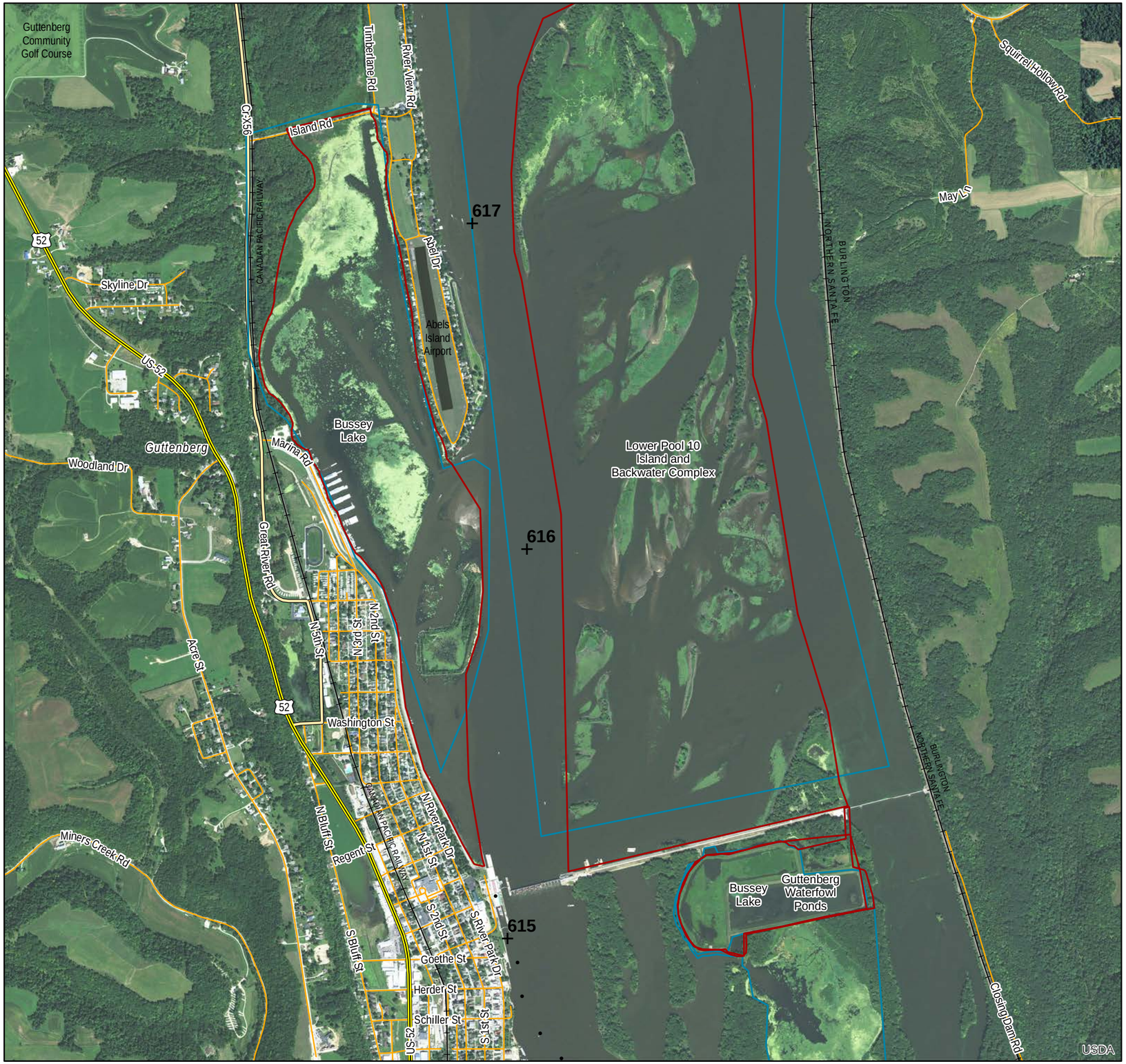
HREP Boundaries Existing

0 2.5 5 7.5 10 Miles

1:12,820



Bussey Lake



Project Information

District: MVP

Status: Complete

Database Acres (existing): 494

Proposed Polygon Acres: 465

2010 Report to Congress Acres: 1,680

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the DPR, and the Fact Sheet.

2.

3.

Resolutions

1. Extend the northern boundary to the upstream side of Island Road.

2. The western border should follow the IA shoreline and extend down to the area of influence associated with Willow Island.

3. Add Big Pond to the Guttenberg Ponds subarea.

Rationale

The project area includes a slide gate through Island Road. The Guttenberg Ponds area kept as part of the project area even though it was not acknowledged in the Feasibility Report. This is because of beneficial uses of dredge material, i.e., the creation of about 50 acres of moist soil units. Big Pond was added as flows to this water body are affected. Also, the area east that included a new pipeline is included.

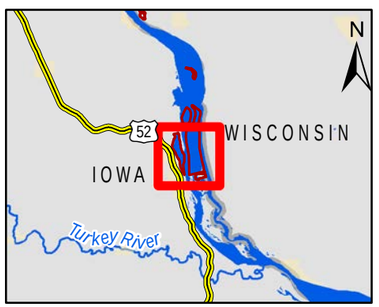
US Army Corps of Engineers ®

HREP Boundaries Proposed

HREP Boundaries Existing

0 4 8 12 16 Miles

1:18,960



Capoli Slough

Project Information

District: MVP

Status: Complete

Database Acres (existing): 2,035

Proposed Polygon Acres: 1,574

2010 Report to Congress Acres: 820

Study Area Acres: 2,035

Study Area Source: DPR, page 3 study area

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the DPR, and the Fact Sheet.

2.

3.

Resolutions

1. Adopt a project boundary that is similar to what is depicted in Figure 1 of the DPR Technical Attachment 4.

2.

3.

Rationale

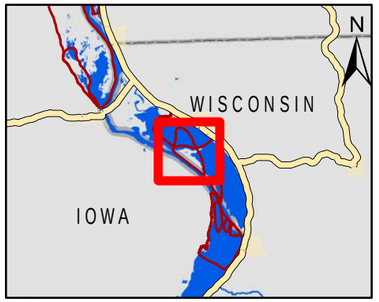
The project goals are focused on aquatic habitat and islands. No effects to the navigation channel are anticipated. The "shadow" effect of these islands is depicted in the DPR HEP analysis and captures a reasonable approximation of the area of influence.

HREP Boundaries Proposed

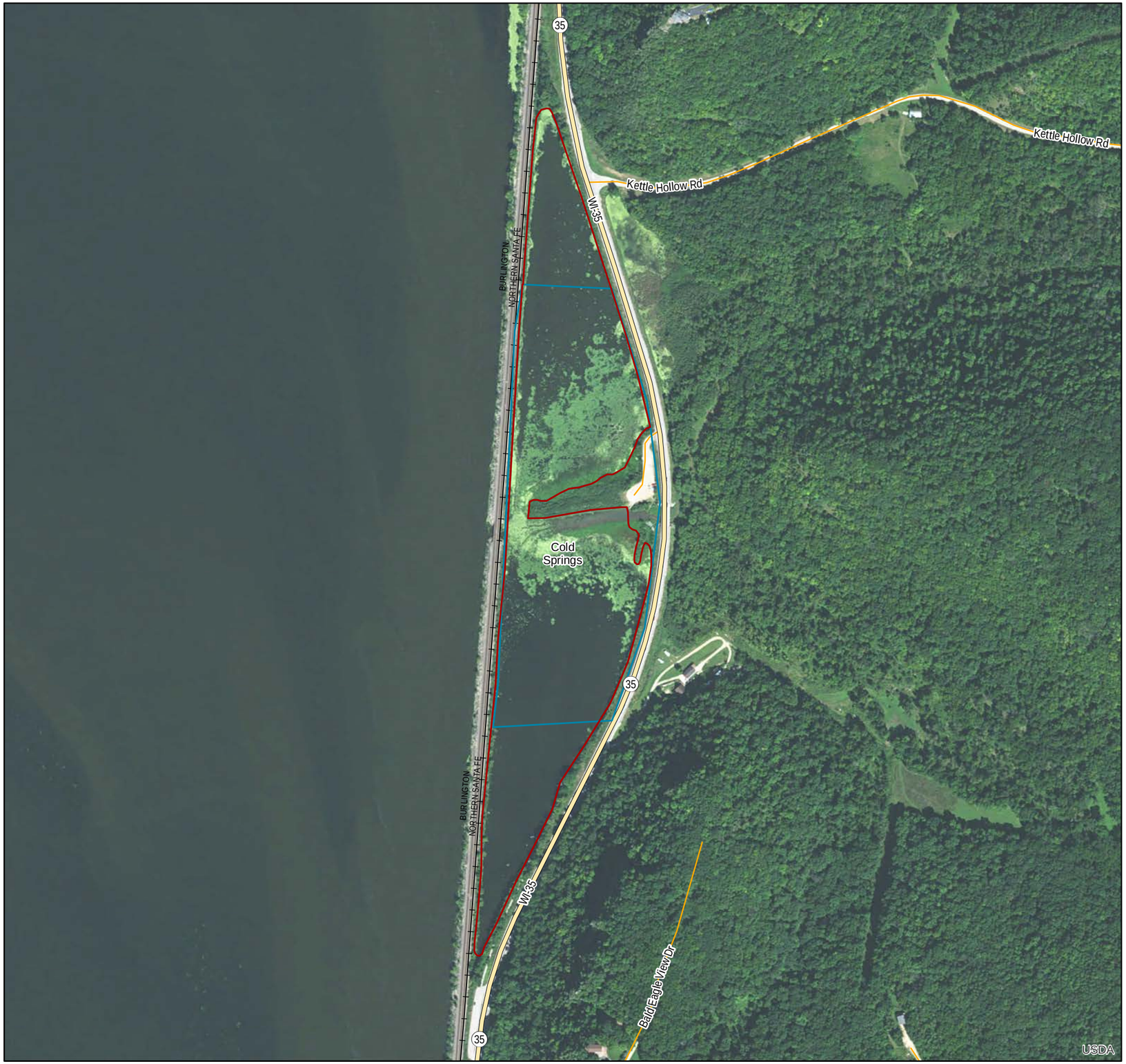
HREP Boundaries Existing

0 4.5 9 13.5 18 Miles

1:21,280



Cold Springs



Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 30

Proposed Polygon Acres: 36

2010 Report to Congress Acres: 30

Study Area Acres: 35

Study Area Source: DPR, page 71/169 calculated for lake depth

Problems

1. The north and southern boundaries should extend to include the entire north and south lobes.

2.

3.

Resolutions

1. The north and southern boundaries should extend to include the entire north and south lobes.

2. The east border will generally follow the shoreline.

3.

Rationale

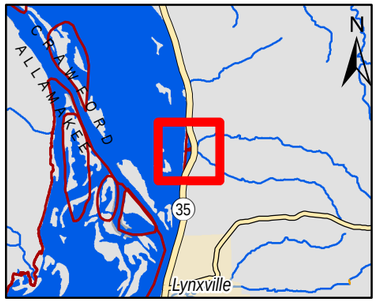
Alternatives examined in the DPR included features that would have direct effect on the entire north and south lobes. The study area should be limited to aquatic habitat because of the project goals and objectives.

HREP Boundaries Proposed

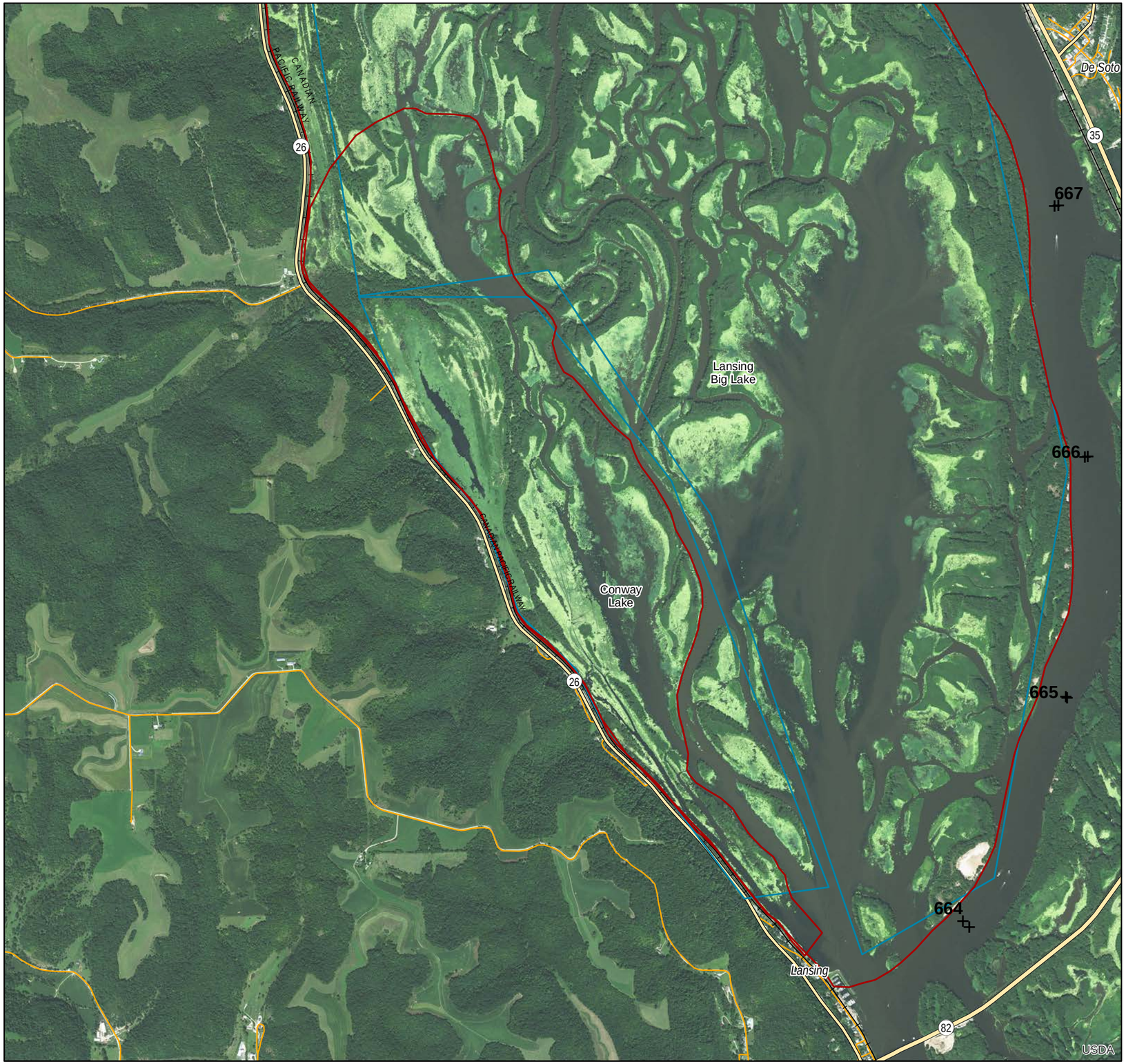
HREP Boundaries Existing

0 1 2 3 4 Miles

1:5,820



Conway Lake



Project Information

US Army Corps of Engineers ®

District: MVP

Status: Active

Database Acres (existing): 1,043

Proposed Polygon Acres: 1,172

2010 Report to Congress Acres: 1,110

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, and the Feasibility Report. The current boundary seems to specifically clip out the Conway Lake HREP.

2.

3.

Resolutions

1. Adopt the current project boundary as developed in the Problem Appraisal Report.

2.

3.

Rationale

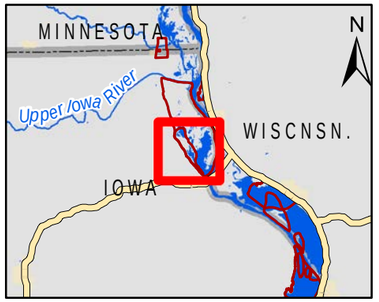
The PDT is currently engaged in Feasibility on this project and have the most recent project boundary.

HREP Boundaries Proposed

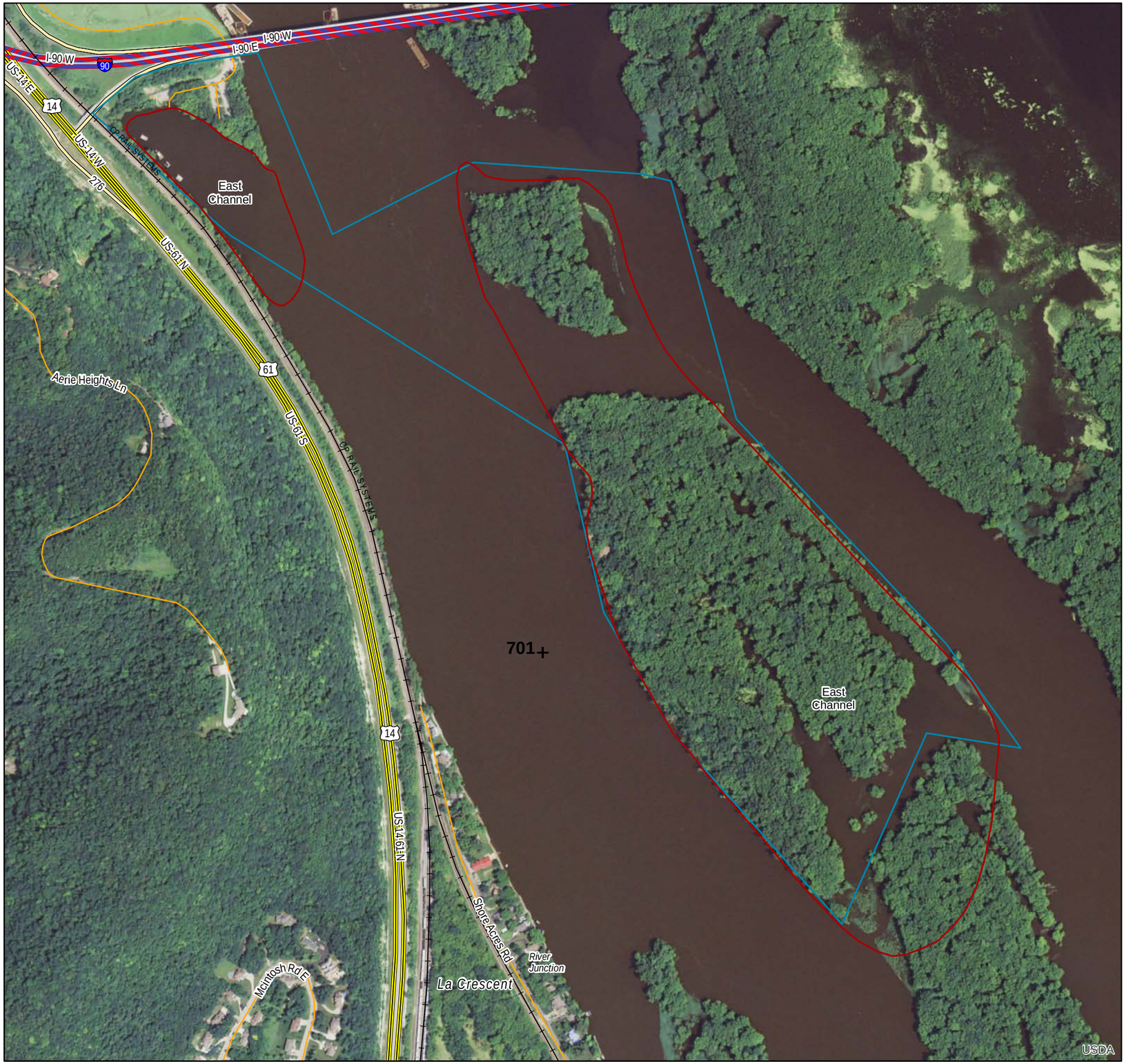
HREP Boundaries Existing

0 6 12 18 24 Miles

1:26,180



East Channel



Project Information

District: MVP

Status: Complete

Database Acres (existing): 320

Proposed Polygon Acres: 137

2010 Report to Congress Acres: 320

Study Area Acres: 0

Study Area Source:

Problems

1. The current GIS boundary lumps the three components into one area when they are identified as seperable elements in Feasibility Report.

2.

3.

Resolutions

1. Display the elements as separate polygons.

2.

3.

Rationale

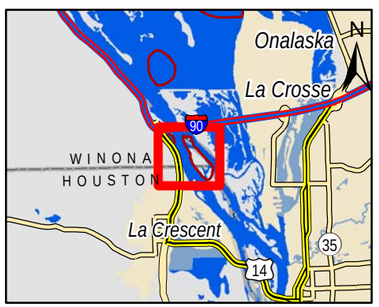
The Feasibility Report describes a collection of six smaller individual projects. Three of these were dismissed from the project upon an initial screening. The habitat goals and objectives are focused on these individual elements. Thre is very weak linkage to any portion of the main channel, therefore, this area is excluded.

HREP Boundaries Proposed

HREP Boundaries Existing

0 1.5 3 4.5 6 Miles

1:7,190



Finger Lakes

Project Information

District: MVP

Status: Complete

Database Acres (existing): 530

Proposed Polygon Acres: 526

2010 Report to Congress Acres: 530

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, the planning area and area analyzed for habitat benefits in Feasibility.

2.

3.

Resolutions

1. Extend the northern border to include the area where the LD4 embankment was enhanced.

2. Exclude areas that are uplands to a practical extent (southeast and northwest corners).

3.

Rationale

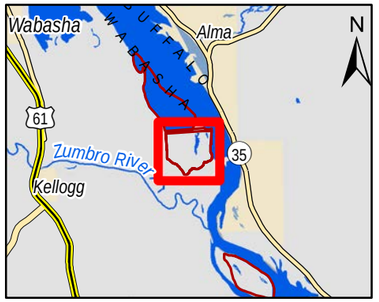
Project objectives are focussed on aquatic habitat. The closing structures would affect water quality in all of Peterson Lake, and should extend down to the LD4 embankment.

HREP Boundaries Proposed

HREP Boundaries Existing

0 1.5 3 4.5 6 Miles

1:8,160



Guttenberg Waterfowl Ponds

Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 198

Proposed Polygon Acres: 80

2010 Report to Congress Acres: 80

Study Area Acres: 35

Study Area Source: DPr. page 5 area of proposed project

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the DPR, and the Fact Sheet.

2.

3.

Resolutions

1. Do not include the Big Pond area downstream.

2.

3.

Rationale

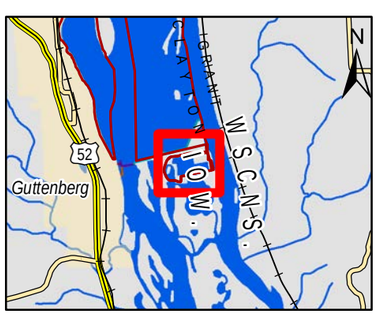
There is no strong linkage between the project objectives and features and the Big Pond area.

HREP Boundaries Proposed

HREP Boundaries Existing

0 0.95 1.9 2.85 3.8 Miles

1:4,170



Harpers Slough

Project Information

District: MVP

Status: Active

Database Acres (existing): 2,200

Proposed Polygon Acres: 3,506

2010 Report to Congress Acres: 1,880

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the DPR, and the Fact Sheet.

2.

3.

Resolutions

1. Adopt a project boundary that is similar to Executive Figure 2 of the DPR.

2.

3.

Rationale

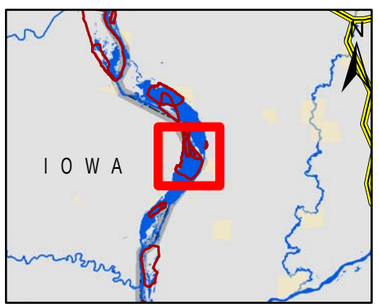
The project goals are focused on aquatic habitat and islands. The "shadow" effect of these islands is depicted in the DPR HEP analysis and captures a reasonable approximation of the area of influence.

HREP Boundaries Proposed

HREP Boundaries Existing

0 7.5 15 22.5 30 Miles

1:34,720



Indian Slough

Project Information

District: MVP

Status: Complete

Database Acres (existing): 825

Proposed Polygon Acres: 985

2010 Report to Congress Acres: 1,000

Study Area Acres: 3,500

Study Area Source: DPR, page 14 study area size

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the area analyzed for habitat benefits across alternatives in Feasibility, and the study area reported in the Performance Evaluation Report. Moreover, the Feasibility Report defines the study area in overly broad terms.

2.

3.

Resolutions

1. The northeast and east borders should encompass the downstream deltas that are affected by the structure and should be less angular to reflect a hydrologic effect.

2.

3.

Rationale

The angular nature of the northeast and east side appears to be arbitrary. A more rounded boundary will reflect hydrologic effects of the Indian Slough structure and are consistent with the project objectives that encompass water quality. The area should also include the delta areas as this is identified in the project objectives.

HREP Boundaries Proposed

HREP Boundaries Existing

0 3 6 9 12 Miles

1:14,230

Island 42

Project Information

District: MVP

Status: Complete

Database Acres (existing): 420

Proposed Polygon Acres: 374

2010 Report to Congress Acres: 420

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Feasibility Report, and the Fact Sheet.

2.

3.

Resolutions

1. Adjust the entire periphery of the boundary to the shoreline of the Island 42, but do not include West Newton Chute.

2.

3.

Rationale

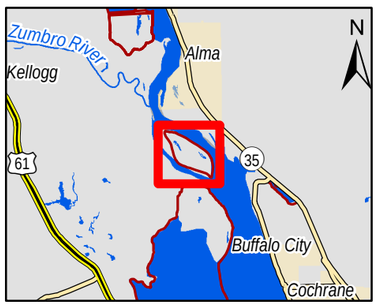
The goals and objectives of the project are specific to this area and do not extend into the main channel or West Newton Chute.

HREP Boundaries Proposed

HREP Boundaries Existing

0 1.5 3 4.5 6 Miles

1:8,530



Lake Onalaska

Project Information

District: MVP

Status: Complete

Database Acres (existing): 2,750

Proposed Polygon Acres: 2,411

2010 Report to Congress Acres: 2,750

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, and the Feasibility Report.

2.

3.

Resolutions

1. Adjust the southeast border so it is rounded and follows the shoreline of Bell Island.

2. Adjust the southern border to follow the shoreline of Bell's island, but excluding the bay west of the airport landing strip.

3. Round the entire western border.

Rationale

Angular lines in the case, do not reflect the study area. The boundaries are adjusted to follow the shoreline because the project is primarily focussed on aquatic habitat.

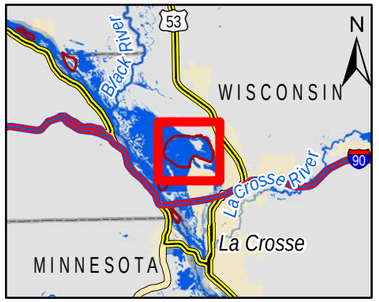
US Army Corps of Engineers ®

HREP Boundaries Proposed

HREP Boundaries Existing

0 4.5 9 13.5 18 Miles

1:21,120



Lake Winneshiek

Project Information

US Army Corps of Engineers ®

District: MVP

Status: Active

Database Acres (existing): 5,170

Proposed Polygon Acres: 2,800

2010 Report to Congress Acres: 5,170

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, and the Fact Sheet.

2.

3.

Resolutions

1. Use the current GIS boundary with minor adjustments.

2. The southern border should follow the east side of the navigation channel.

3. The northern border should follow the WI shoreline.

Rationale

The project goals are focused on aquatic habitat and islands. There would be no strong effects on terrestirial mainland habitat.

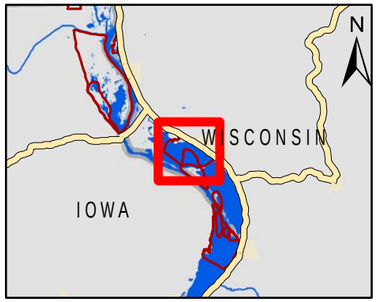
No effects to the navigation channel are anticipated.

HREP Boundaries Proposed

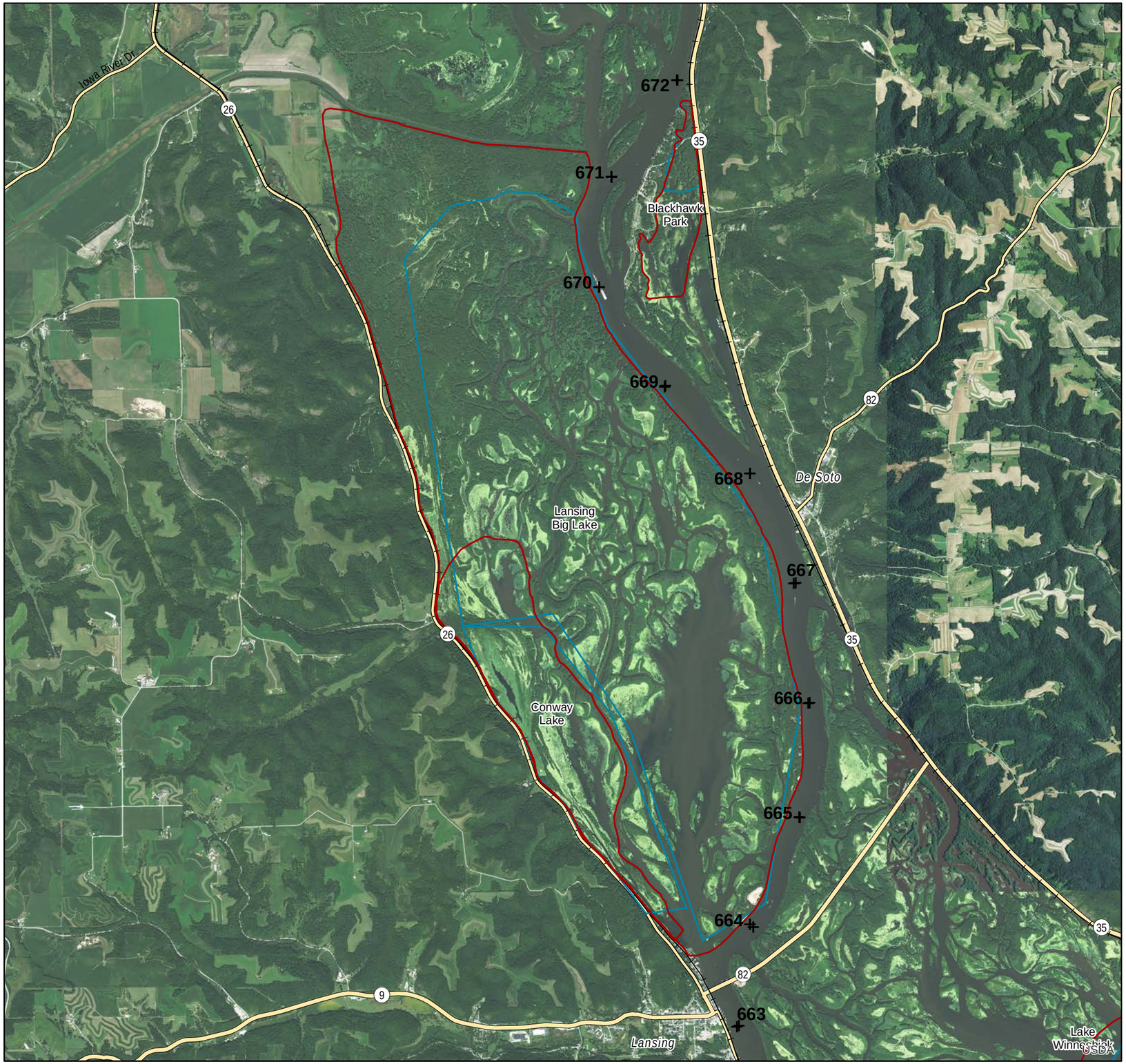
HREP Boundaries Existing

0 5.5 11 16.5 22 Miles

1:25,150



Lansing Big Lake



Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 6,420

Proposed Polygon Acres: 9,259

2010 Report to Congress Acres: 6,420

Study Area Acres: 9,755

Study Area Source: DPR, page 4 project area, executive summary

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, and the Feasibility Report. The current boundary seems to specifically clip out the Conway Lake HREP.

2.

3.

Resolutions

1. Extend the western boundry to abut next to Hwy 26 as identified in the DPR.

2. Extend northern boundry to the Upper Iowa River.

3. Limit the entire boundry to FWS land.

Rationale

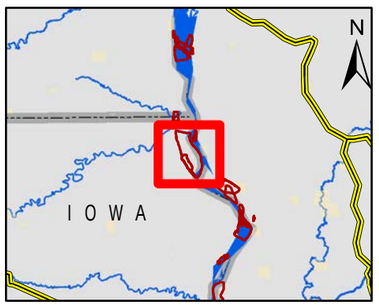
The study area should reflect what was specified in the DPR.

HREP Boundaries Proposed

HREP Boundaries Existing

0 10 20 30 40 Miles

1:54,900



Long Lake

Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 40

Proposed Polygon Acres: 273

2010 Report to Congress Acres: 40

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, and the Feasibility Report.

2.

3.

Resolutions

1. Extended the boundary to more of Long Lake.

2. Extend the boundary to include Webb Slough.

3. Area is viewed as a complex so uplands were included.

Rationale

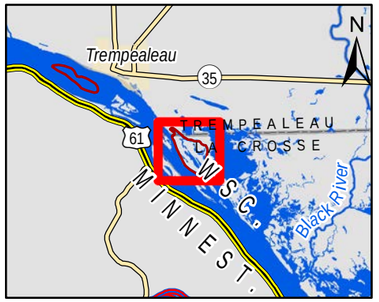
The Feasibility Report identifies an area of about 40 acres that could be affected that included Long Lake and Webb Slough.

HREP Boundaries Proposed

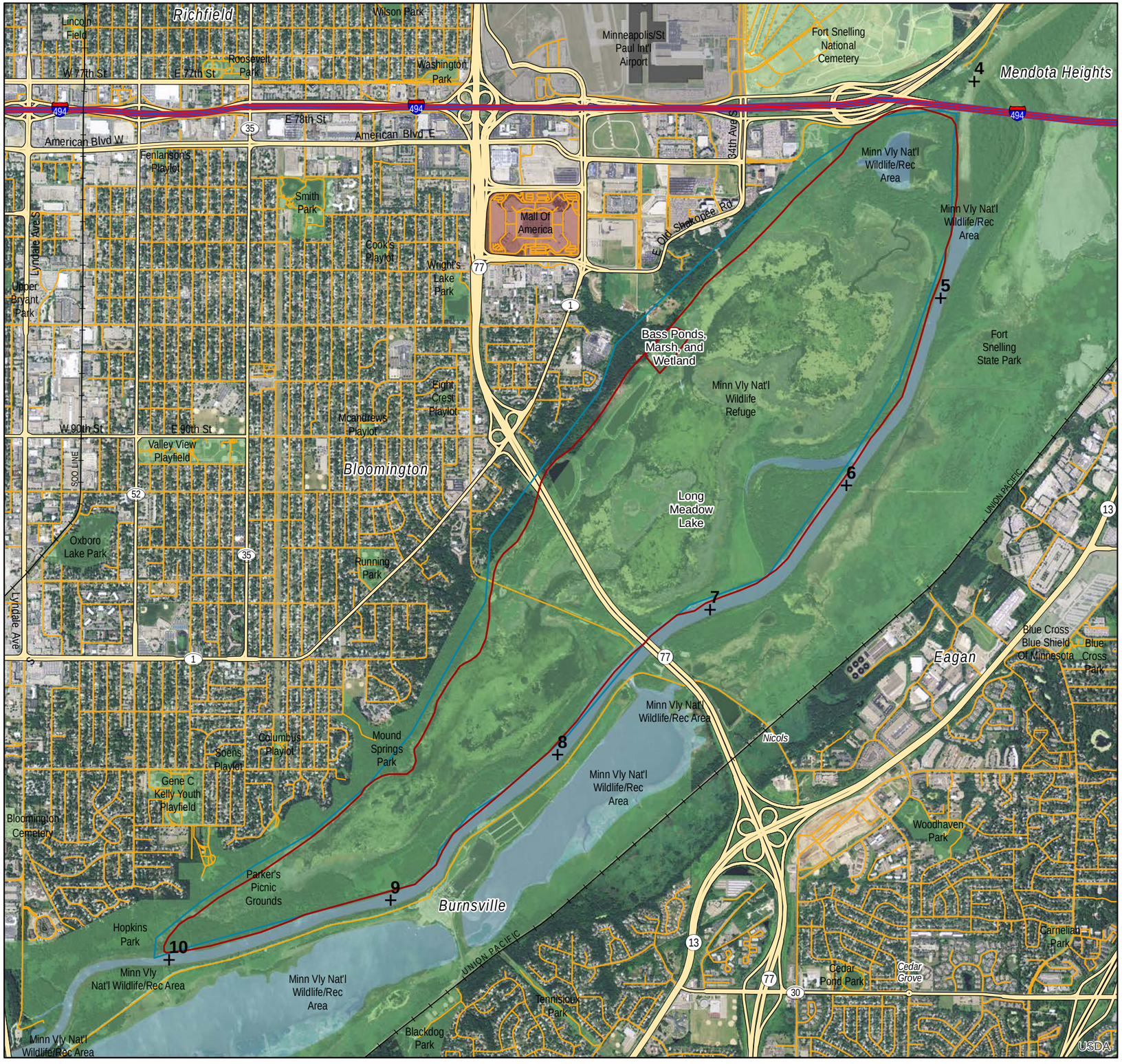
HREP Boundaries Existing

0 1.5 3 4.5 6 Miles

1:8,140



Long Meadow Lake



Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 2,340

Proposed Polygon Acres: 2,129

2010 Report to Congress Acres: 2,340

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, and the study area reported in the Feasibility Report.

2.

3.

Resolutions

1. Adjusted the NE boundary so it is restricted to the MN River left descending bank.

2. The SW boundary is extended into Upper Long Meadow Lake as this area was included in the DPR and had a hydrologic connection to Lower Long Meadow Lake.

3. The periphery of the study area is restriced to the shoreline of Upper and Lower Long Meadow Lake.

Rationale

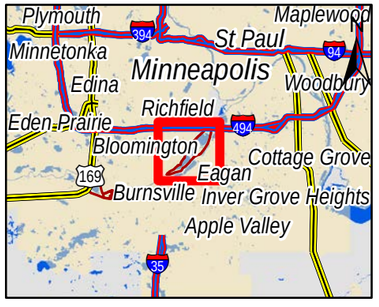
The objectives of the project as stated in the Feasibility Report are limited to the shallow floodplain lake and marsh. Therefore, any previous inclusion of uplands was eliminated as these are believed to have minimal linkage to water level management. There are no project features that would affect the main channel of the MN river or the right descending bank as depicted in the Feasibility Report (RMs 5 to 9), thus this area was eliminated from the study area. As project features will affect the water surface elevations, the study area is not limited to the shoreline of the FWS refuge. We included Upper Long Meadow Lake because this was identified in the Study Area in the Feasibility Report.

HREP Boundaries Proposed

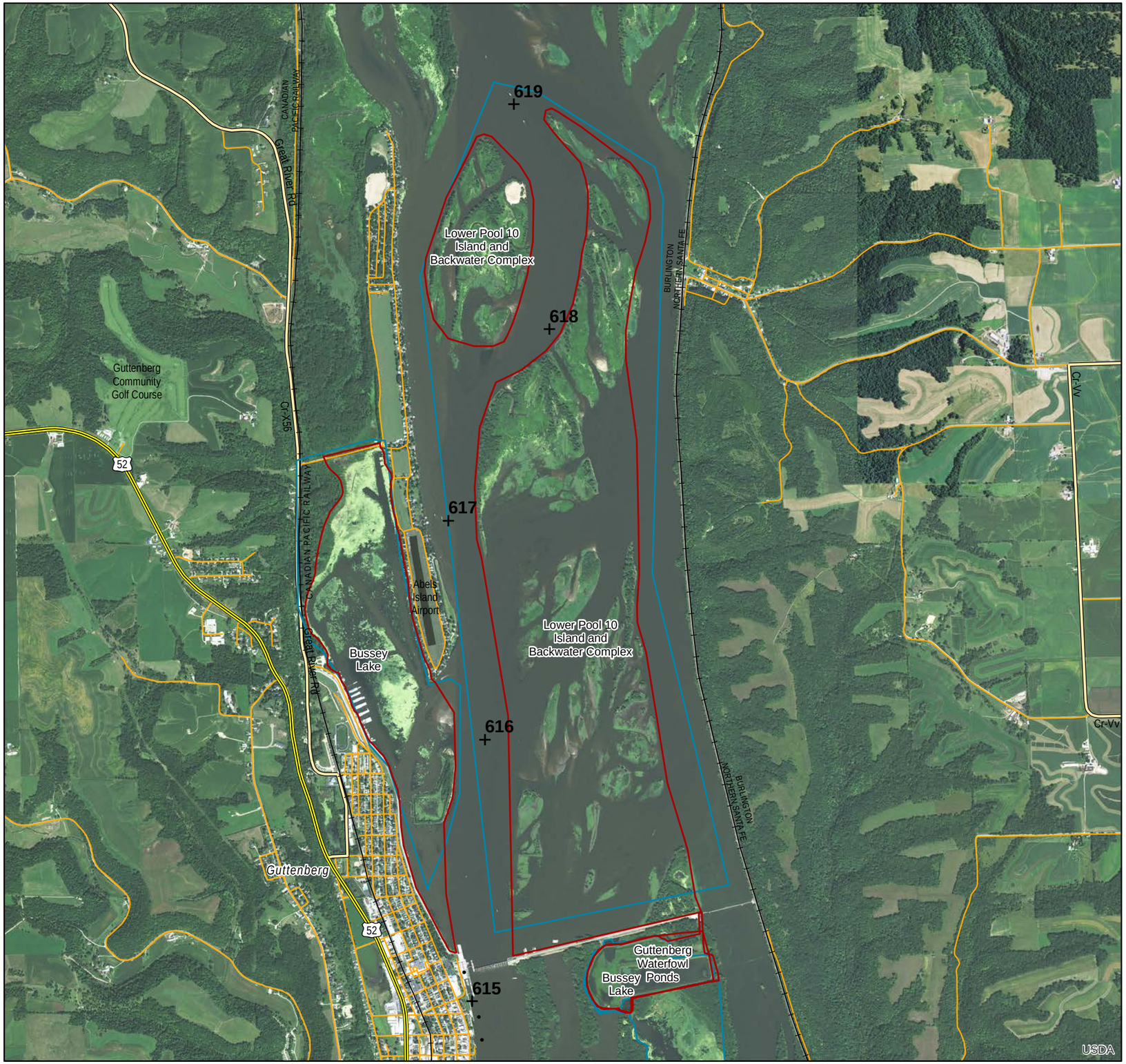
HREP Boundaries Existing

0 6.5 13 19.5 26 Miles

1:29,630



Lower Pool 10 Island and Backwater Complex



Project Information

District: MVP

Status: Active

Database Acres (existing): 2,340

Proposed Polygon Acres: 1,405

2010 Report to Congress Acres: 2,000

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the DPR, and the Fact Sheet.

2.

3.

Resolutions

1. Break area up into 2 subareas that exclude the navigation channel.

2. Adjust the southern border to tie into the embankment.

3. Adjust the eastern border to exclude the Cassville slough.

Rationale

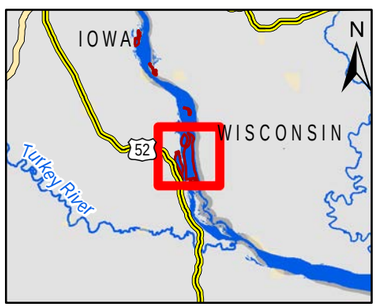
There are no features proposed in the navigation channel or Cassville Slough nor are there expected to be appreciable effects in these areas. The area of influence is anticipated to extend downstream of potential islands to the embankment.

HREP Boundaries Proposed

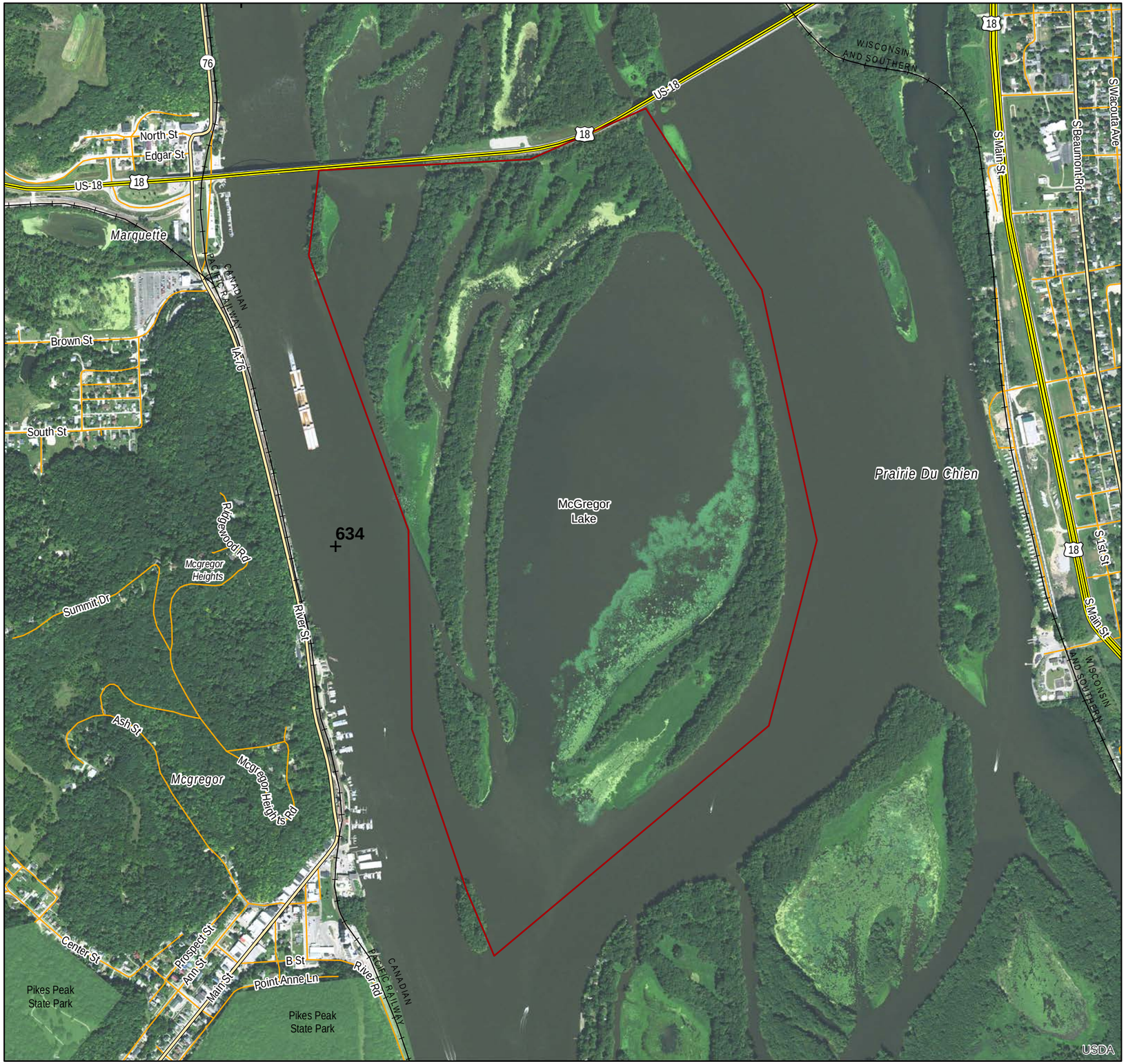
HREP Boundaries Existing

0 6 12 18 24 Miles

1:28,200



McGregor Lake



Project Information

US Army Corps of Engineers ®

District: MVP

Status: Active

Database Acres (existing): 1,000

Proposed Polygon Acres: 580

2010 Report to Congress Acres: 1,000

Study Area Acres: 0

Study Area Source:

Problems

1.

2.

3.

Resolutions

1.

2.

3.

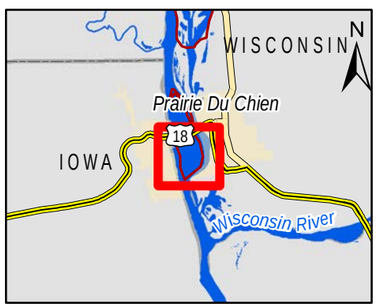
Rationale

HREP Boundaries Proposed

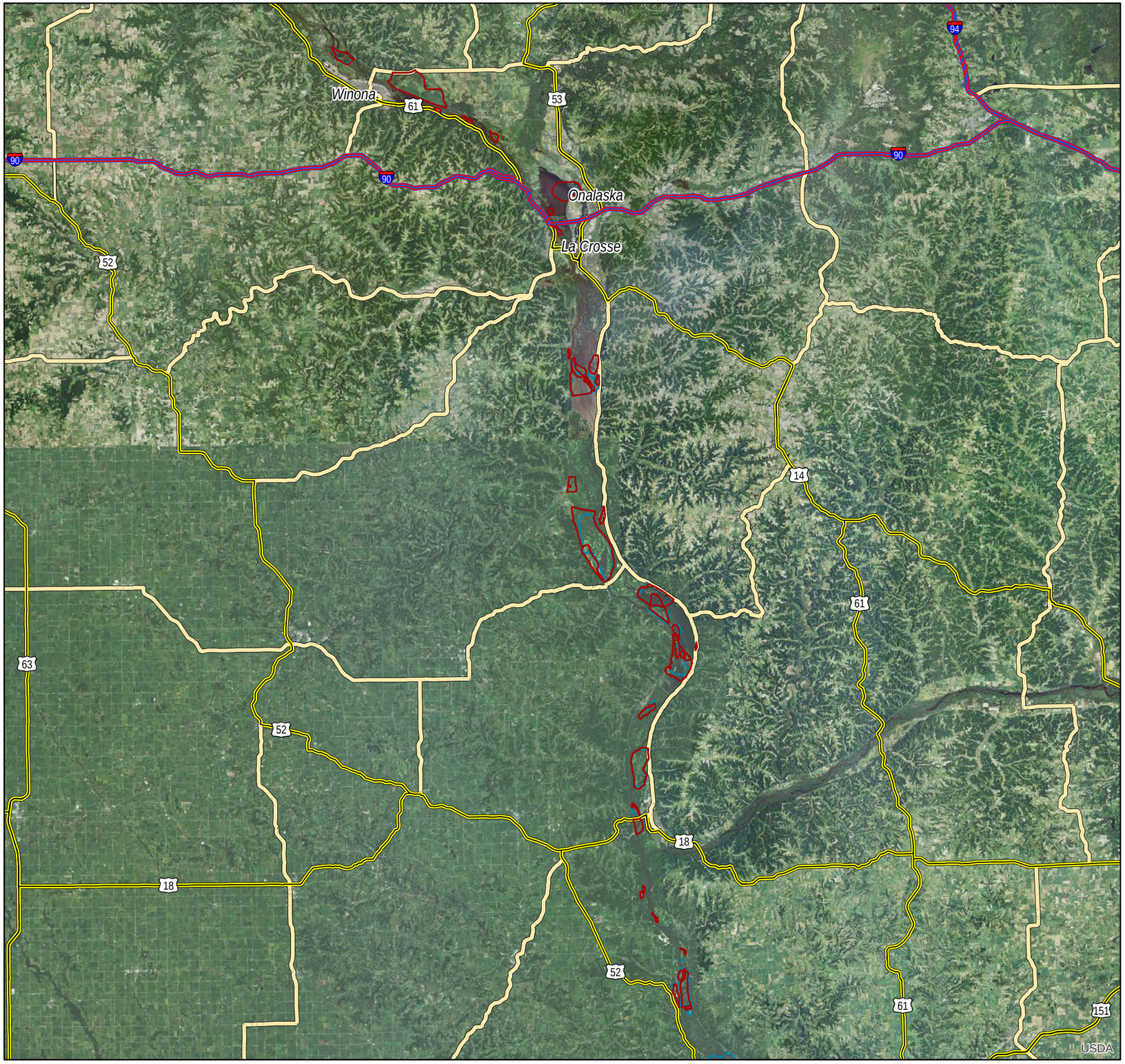
HREP Boundaries Existing

0 2.5 5 7.5 10 Miles

1:12,050



Mississippi River Bank Stabilization



Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 1,300

Proposed Polygon Acres: 1,971

2010 Report to Congress Acres: 1,300

Study Area Acres: 1,500

Study Area Source: executive summary affected acres

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, and the area analyzed for habitat benefits for individual sites in Feasibility. In addition, some of the sites are not located correctly.

2.

3.

Resolutions

1. Although 55 sites were initially considered, only 34 were analyzed for habitat benefits. Of the 34 sites, additional screening reduced this number down to 12 sites. These 12 sites were retained for consideration under the UMRR.

2. For individual sites, the boundary is drawn to reflect the "areas affected" from the Feasibility Report (Plates 17 to 24).

3. East Channel - the northwest boundry was extended to include the bank stabilization work that was done along the west side of the island.

Rationale

The Feasibility Report delineated the sites needing to be stabilized and the areas affected. These acreages were used in quantifying habitat benefits. For most sites, we have no basis to change this boundary.

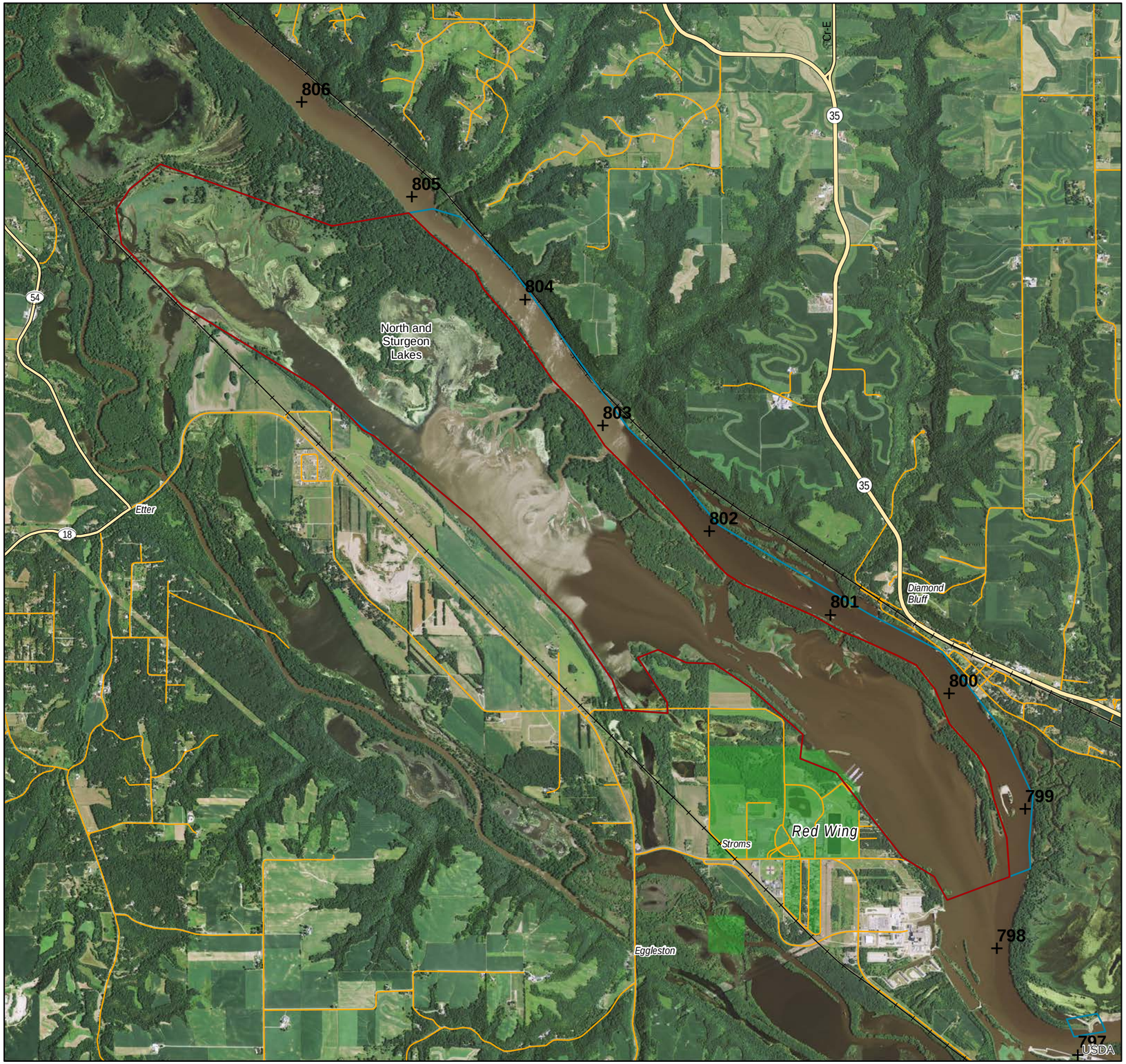
HREP Boundaries Proposed

HREP Boundaries Existing

0 140 280 420 560 Miles

1:622,690

North and Sturgeon Lakes



Project Information

District: MVP

Status: Active

Database Acres (existing): 5,150

Proposed Polygon Acres: 4,346

2010 Report to Congress Acres: 4,600

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, and the study area reported in Fact Sheet.

2.

3.

Resolutions

1. In general, adjust the entire southwest boundary to follow the shoreline of backwater lakes where practical.

2. On the main channel side, adjust project boundary to follow the right descending bank; do not include any portion of the main channel.

3.

Rationale

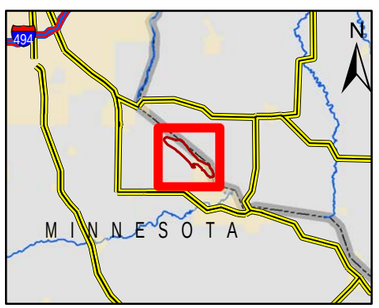
Most objectives are focused on aquatic habitat. However, limiting the project boundary to the shoreline along the entire periphery is not practical nor would it capture some of the objectives directed at delta habitat. There is no little linkage between objectives and the main channel and no project features are proposed there. Therefore, the main channel was eliminated from the study area.

HREP Boundaries Proposed

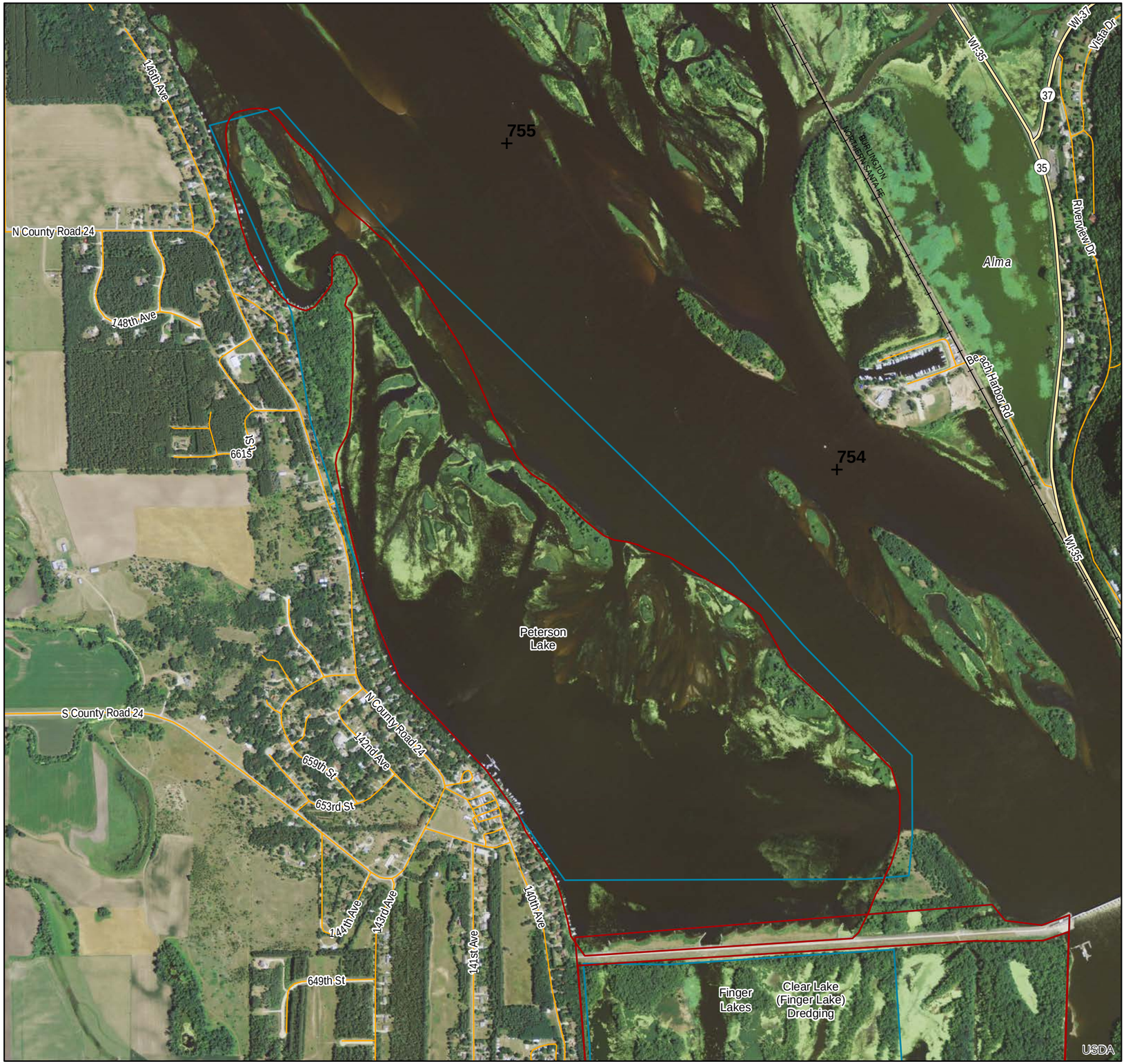
HREP Boundaries Existing

0 10 20 30 40 Miles

1:44,150



Peterson Lake



Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 614

Proposed Polygon Acres: 564

2010 Report to Congress Acres: 990

Study Area Acres: 500

Study Area Source: DPR, page 8 Peterson Lake area

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, the area analyzed for habitat benefits across alternatives in Feasibility, and the area reported in the Performance Evaluation Report.

2.

3.

Resolutions

1. Extend the southern border to meet the LD4 embankment.

2. Exclude areas that are uplands to a practical extent (southeast and northwest corners).

3.

Rationale

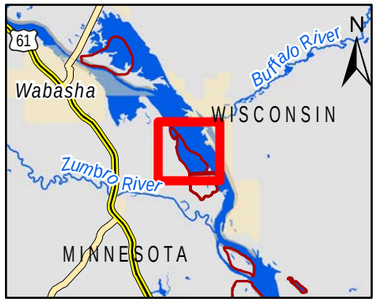
Project objectives are focussed on aquatic habitat. The closing structures would affect water quality in all of Peterson Lake, and should extend down to the LD4 embankment.

HREP Boundaries Proposed

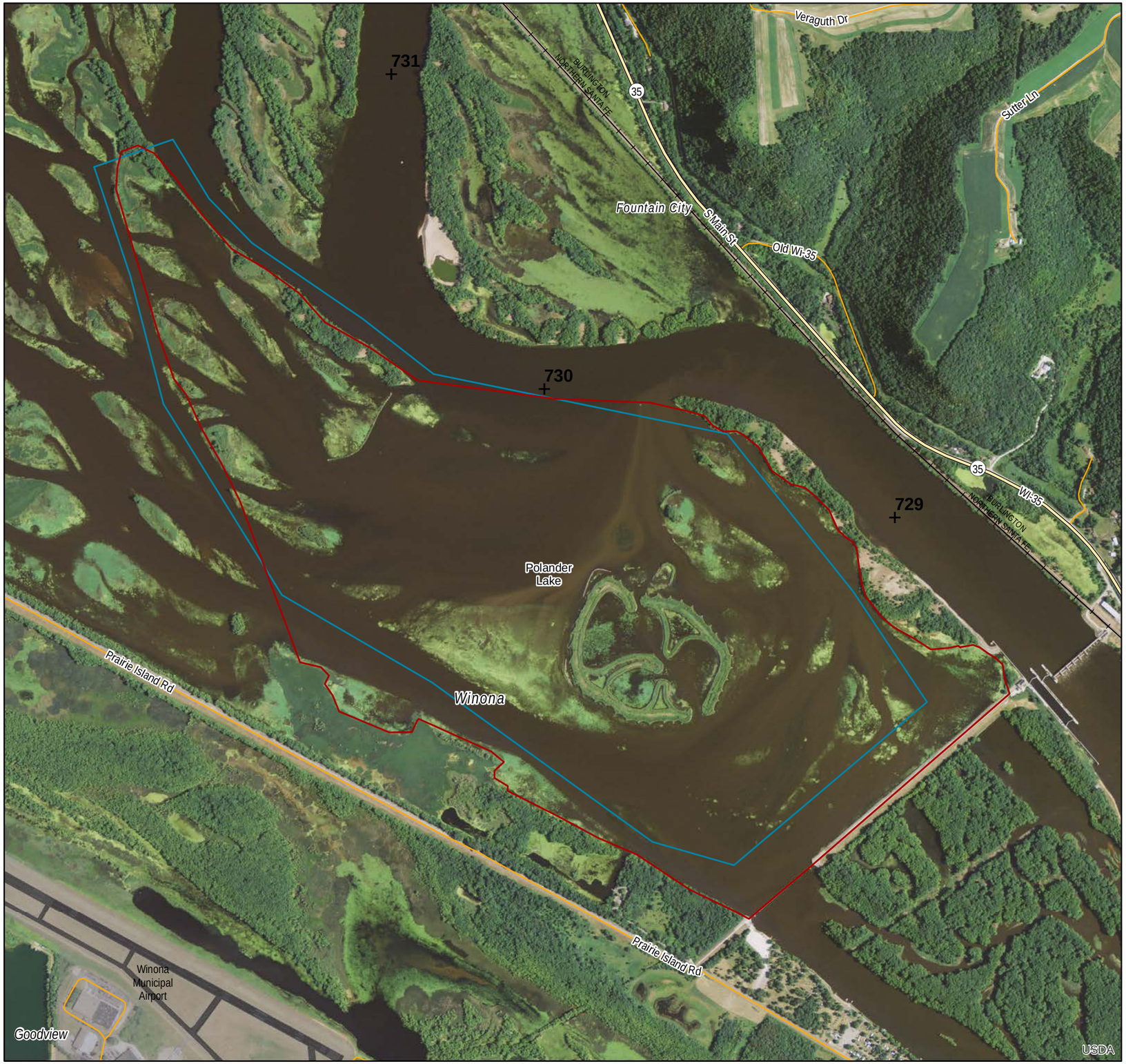
HREP Boundaries Existing

0 3 6 9 12 Miles

1:13,680



Polander Lake



Project Information

District: MVP

Status: Complete

Database Acres (existing): 790

Proposed Polygon Acres: 932

2010 Report to Congress Acres: 790

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, and the area analyzed for habitat benefites across alternatives in Feasibility.

2.

3.

Resolutions

1. Adjust the northwest boundry to exclude Pap Slough.

2. Attenuate (i.e., lessen the angularity) the northwest tip of the boundry and follow the western edge of the islands in a straight line until it hits the MN shoreline.

3. Along the southern and eastern sides, the boundry should follow the shoreline and upstream side of the embankment.

Rationale

The project goals/objectives are focused on aquatic habitat and associated water velocity. The effects of closure to water velocities will be diminished with the influx of flow from Burleigh Slough. There is no strong linkage between project objectives and effects to the main channel.

US Army Corps of Engineers ®

HREP Boundaries Proposed

HREP Boundaries Existing

0 3 6 9 12 Miles

1:15,010

Pool 8 Islands Phase I

Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 643

Proposed Polygon Acres: 867

2010 Report to Congress Acres: 600

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, and the Feasibility Report.

2.

3.

Resolutions

1. Adjust the western boundary to extend to the eastern edge of Raft Channel.

2.

3.

Rationale

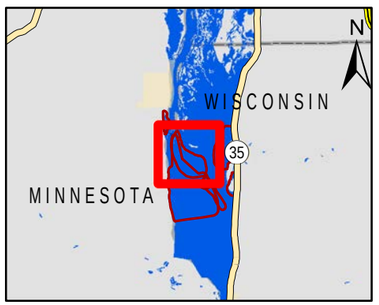
The current map depicts a boundary around what was built for Phase 1, especially for the western boundary. However, the study area was more broadly defined in Feasibility.

HREP Boundaries Proposed

HREP Boundaries Existing

0 3 6 9 12 Miles

1:14,730



Pool 8 Islands Phase II

Project Information

District: MVP

Status: Complete

Database Acres (existing): 1,268

Proposed Polygon Acres: 886

2010 Report to Congress Acres: 3,320

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, and the Feasibility Report.

2.

3.

Resolutions

1. The study area was split into 2 distinct areas that excludes the Navigation channel.

2.

3.

Rationale

There are no project features nor objectives for the Navigation Channel, so it was excluded. The area upstream of Stoddard Bay was not included (potential nesting islands) even though it was evaluated for habitat benefits. However,a formal model was not used in this evaluation and screening considered this area to be too expensive.

HREP Boundaries Proposed

HREP Boundaries Existing

0 6 12 18 24 Miles

1:26,270

Pool 8 Islands Phase III

Project Information

District: MVP

Status: Complete

Database Acres (existing): 3,288

Proposed Polygon Acres: 2,794

2010 Report to Congress Acres: 3,320

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, and the Feasibility Report.

2.

3.

Resolutions

1. Adjust the boundry for the Northwest area to include all of Schnick's Bay; Exclude the navigation channel.

2. Adjust the northwest tip of the 3-North area to be limited to the island shoreline (i.e. does not extend into the slough); Included the triangular portion of Island near the southern border.

3. Followed the MN shoreline along the western edge; Attenuated sharp angles because of boundry effects (i.e., Wind fetch).

Rationale

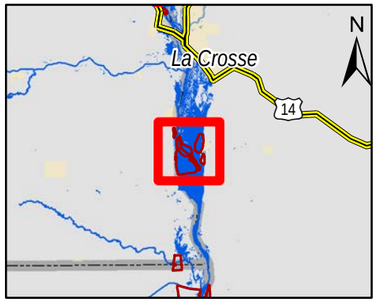
The Feasibility Report indicated the extent of the five study areas. The depiction of the Northwest area in the Feasibility Report should be followed. However, there are no project features nor objectives for the Navigation Channel, so it was excluded.

HREP Boundaries Proposed

HREP Boundaries Existing

0 7.5 15 22.5 30 Miles

1:34,650



Pool 9 Islands

Project Information

District: MVP

Status: Complete

Database Acres (existing): 410

Proposed Polygon Acres: 305

2010 Report to Congress Acres: 410

Study Area Acres: 140

Study Area Source: DPR, Executive Summary

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the DPR, and the Fact Sheet.

2.

3.

Resolutions

1. Adopt a project boundary that is similar to what is depicted in Figure 6 of the 2013 PER.

2. The western border should follow the eastern edge of the navigation channel.

3.

Rationale

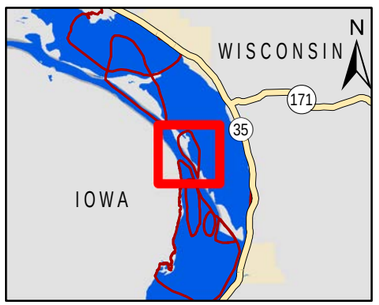
The project goals are focused on aquatic habitat and islands. No effects to the navigation channel are anticipated. The "shadow" effect of these islands is depicted in the PER and captures a reasonable approximation of the area of influence.

HREP Boundaries Proposed

HREP Boundaries Existing

0 2.5 5 7.5 10 Miles

1:11,040



Pool Slough

Project Information

District: MVP

Status: Complete

Database Acres (existing): 620

Proposed Polygon Acres: 618

2010 Report to Congress Acres: 620

Study Area Acres: 356

Study Area Source: DPR, page 7 study area

Problems

1.

2.

3.

Resolutions

1.

2.

3.

Rationale

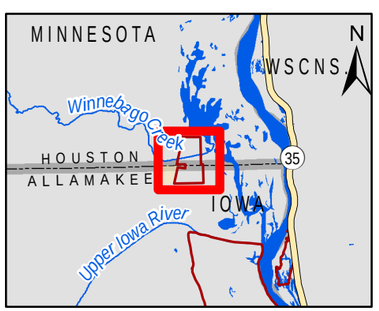
US Army Corps of Engineers ®

HREP Boundaries Proposed

HREP Boundaries Existing

0 2.5 5 7.5 10 Miles

1:10,970



Rice Lake, MN

Project Information

District: MVP

Status: Complete

Database Acres (existing): 807

Proposed Polygon Acres: 808

2010 Report to Congress Acres: 810

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, and the study area reported in the Feasibility Report.

There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, and the study area reported in the Feasibility Report.

2.

3.

Resolutions

1. Adjusted the eastern border to follow the FWS Refuge boundary.

2.

3.

Rationale

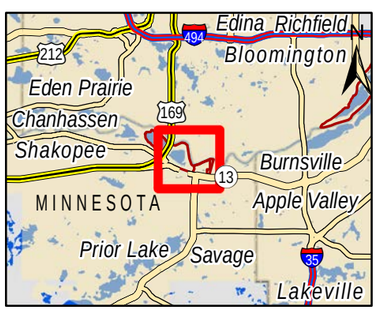
US Army Corps of Engineers ®

HREP Boundaries Proposed

HREP Boundaries Existing

0 3 6 9 12 Miles

1:14,790



Small Scale Drawdown

Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 80

Proposed Polygon Acres: 67

2010 Report to Congress Acres: 90

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, and the Feasibility Report.

2.

3.

Resolutions

1. Adjust the entire boundary periphery to align with the shoreline.

2.

3.

Rationale

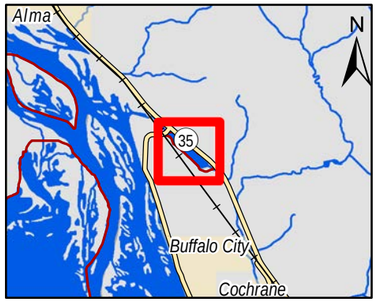
The objectives of the project are limited to aquatic habitat. There is no strong linkage given to consider floodplain forest.

HREP Boundaries Proposed

HREP Boundaries Existing

0 1 2 3 4 Miles

1:5,250



Spring Lake Islands

Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 530

Proposed Polygon Acres: 526

2010 Report to Congress Acres: 520

Study Area Acres: 500

Study Area Source: DPR, page 3-8

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, and the area analyzed for habitat benefites across alternatives in Feasibility. The current boundry doesn't include habitat dredging that was completed.

2.

3.

Resolutions

1. Adjusted the entire boundary to be the same as the Spring Lakes Peninsula HREP.

2.

3.

Rationale

The goals of the project are focused on aquatic habitat. The dredged areas were completed for fish and need to be included in the boundary. Objectives tied to terrestrial habitat .

HREP Boundaries Proposed

HREP Boundaries Existing

0 3 6 9 12 Miles

1:13,870

Spring Lake Peninsula

Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 30

Proposed Polygon Acres: 526

2010 Report to Congress Acres: 30

Study Area Acres: 302

Study Area Source: DPR, page 4 study area

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, and the Feasibility Report.

2.

3.

Resolutions

1. The northeast boundary should wrap around the peninsula.

2. The western boundry should enxtend downstream to the embankment, following the shoreline of the constructed islands.

3. The southwest boundry should follow the embankment; The northeast boundry should follow the shoreline.

Rationale

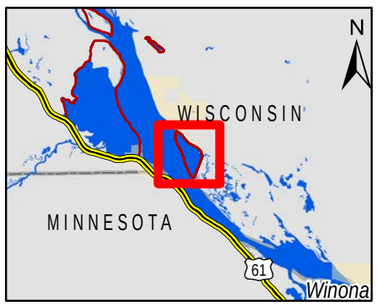
The Feasibility Report examined six alternatives in detail and evaluated habitat benefits. The most extensive alternative included island featurs along the main channel, which are not currently captured by the original map.

HREP Boundaries Proposed

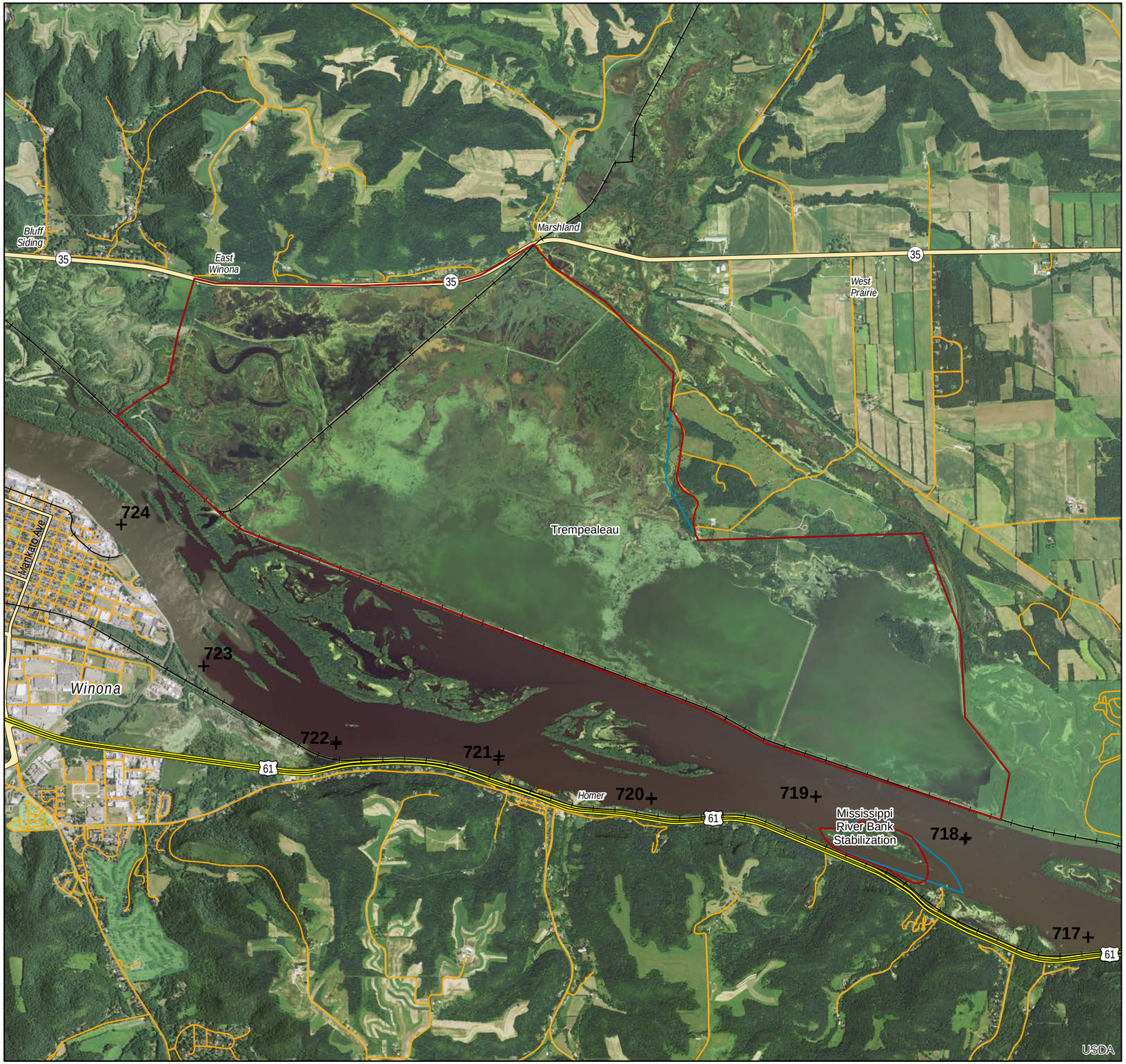
HREP Boundaries Existing

0 3 6 9 12 Miles

1:13,870



Trempealeau



Project Information

US Army Corps of Engineers ®

District: MVP

Status: Complete

Database Acres (existing): 5,487

Proposed Polygon Acres: 5,521

2010 Report to Congress Acres: 5,900

Study Area Acres: 0

Study Area Source:

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, the Fact Sheet, and the area analyzed for habitat benefites across alternatives in Feasibility.

2.

3.

Resolutions

1. Project boundary adjusted to include FWS Refuge, Pools A, B, C and E.

2. In some sections, the project boundary follows existing roads.

3.

Rationale

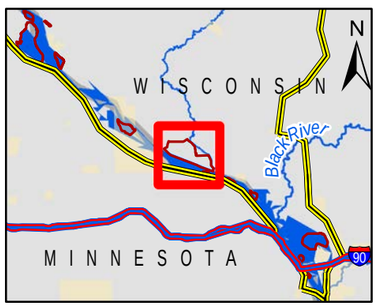
The planning area is clearly stated in the Feasibility Report. Project objectives are not limited to aquatic habitat.

HREP Boundaries Proposed

HREP Boundaries Existing

0 9 18 27 36 Miles

1:41,090



Weaver Bottoms

Project Information

District: MVP

Status: Active

Database Acres (existing): 4,883

Proposed Polygon Acres: 4,903

2010 Report to Congress Acres: 4,880

Study Area Acres: 4,000

Study Area Source: DPR, page 6 area of habitat restored

Problems

1. There is a discrepency between the current GIS boundary, the UMRRDB reported acreage, and the Fact Sheet.

2.

3.

Resolutions

1. Adjust the northern boundary to follow 6222nd street. Do not include private lands.

2. Adjust the western boundary to follow the MN shoreline or Hwy 61.

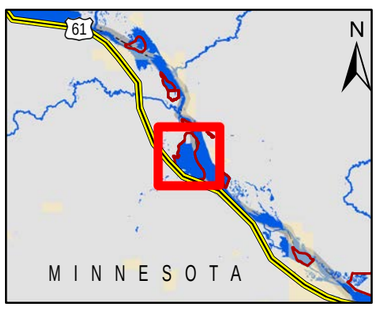
3. Clean up the eastern boundary to follow the shoreline, excluding the main channel.

Rationale

The objectives of the project are limited to aquatic habitat. There is no strong linkage given to consider floodplain forest. Private lands should not be included.

HREP Boundaries Proposed

HREP Boundaries Existing

0 7.5 15 22.5 30 Miles

1:34,820