

# **ENVIRONMENTAL ASSESSMENT**

**with**

## **DRAFT FINDING OF NO SIGNIFICANT IMPACT**

### **ACQUISITION OF INHOLDING LAND PARCELS**

#### **WAPPAPELLO LAKE PROJECT**

**U.S. Army Corps of Engineers  
St. Louis District  
ATTN: Planning & Environmental Branch (PM-E)  
St. Louis, Missouri 63103-2833**

**Phone: 314-331-8498**

**May 2016**

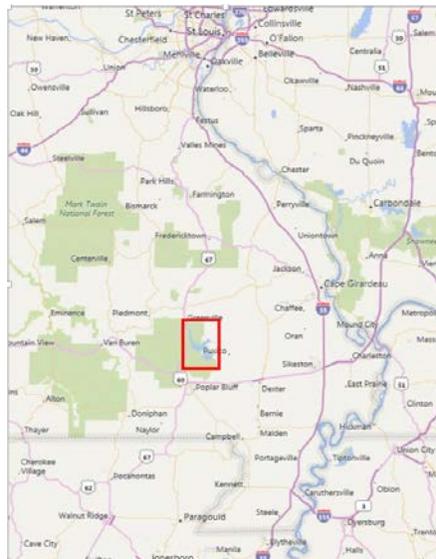
## I. INTRODUCTION

This Project consists of the acquisition of 81 separate parcels of land which are either within, or abut, the boundaries of the U.S. government lands being managed by the US Army Corps of Engineers as the Lake Wappapello Project. The eighty one parcels total 631 acres of land owned by 58 private owners and 2 public owners. Many of the 81 parcels have been identified for acquisition because access roads to the parcels frequently flood with minor lake elevation changes, leaving no access for emergency services to these properties.

The authorization to acquire privately owned parcels of land within the project boundaries (inholdings) of the authorized Wappapello Lake and St. Francis River Basin Project is necessary for efficient management of Government lands. These privately owned parcels were not acquired under the initial authorization for this project for various reasons including, land acquisition policies at the time. However, since that time, changes have been made to the water control plan for Wappapello Lake. It is necessary to acquire the subject properties to efficiently manage Government lands within the project area.

## II. PROJECT LOCATION

Wappapello Lake is located in Southeast Missouri in Wayne and Butler Counties. The 81 parcels within the Wappapello Lake and St. Francis River Basin are situated both east and west of the St. Francis River and the Lake Wappapello reservoir, and within an area of approximately 95 square miles extending approximately 23 miles southeast from near Patterson, Missouri in Wayne County, to unincorporated areas within northeast Butler County. Sixty one of the parcels are in Wayne County Missouri and 20 are in Butler County. A Project Location Map is attached as Figure 1. Specific Project Maps are included in Appendix A. A spread sheet listing the proposed parcels is included in Appendix B.



**Figure 1: Location Map for Wappapello Lake, Wayne and Butler Counties Missouri.**

### **III. PROJECT ALTERNATIVES**

Two alternatives were considered for this project.

Alternative #1 – (“No Action Alternative”). The National Environmental Policy Act requires that the No Action Alternative be addressed. Under this alternative, the tracts that are currently privately owned would remain privately owned and the publically owned tracts would remain publically owned and managed by the US Forest Service.

Alternative #2 – Land Purchase/Transfer (Tentatively Selected Plan [TSP]). The Corps would purchase the tracts that are currently in private ownership from willing sellers and would accept the transfer of management responsibilities for the US Forest Service lands that are currently within Corps boundary.

### **IV. PHYSICAL AND ENVIRONMENTAL SETTING & IMPACT ANALYSIS**

#### ***Existing Conditions***

All of the 81 parcels, consisting of approximately 631 acres, will be acquired or transferred in Fee Simple. The following is a breakdown by size of the 81 parcels to be acquired:

Less than 1 acre – 41 parcels

1+ to 2 acres – 9 parcels

2+ to 3 acres – 9 parcels

3+ to 10 acres – 9 parcels

10+ to 20 acres – 4 parcels

20+ to 100 acres – 10 parcels

With the exception of only a few of the parcels, each of these are moderately to heavily wooded, oak/hickory forest. The project area is located in the Salem Plateau and St. Francois Mountains. There is no agricultural activity on any of the 81 parcels. Ten of the subject parcels are improved with structures. Eight of those have habitable residential structures and two are improved with seasonal hunting cabins. One parcel has a small commercial building on it.

Neither Wayne nor Butler Counties, where the subject properties are located, have zoning ordinances. All of the parcels are located in areas which lack public water and sanitary sewers. Most of the improved properties in unincorporated areas of Wayne and Butler Counties rely on private, on-site wells and septic systems. Electricity and telephone service is readily available in the area, but most of the parcels to be acquired lack those services and costs to run those services are mostly prohibitive.

Access to these 81 parcels varies widely. Many of the parcels have access easements in place with the U.S. government that were executed in most cases decades ago and most are facing

renewals that would be very costly for the landowners, many of which would exceed the fee value of the land itself. Other parcels have no legal access and one parcel is an island, only accessible by boat.

### ***Primary, Secondary, and Cumulative Impacts of No Action Alternative***

If the purchases/transfers do not occur, the existing wooded tracts would remain in private ownership. The fate of these small tracts are unknown, but could potentially be cleared and/or developed in the future.

### ***Primary and Secondary Impacts of Land Transfer, TSP***

The wooded tracts that will be transferred to the Corps will remain in their current state and will provide wildlife habitat. The one tract that currently has buildings on it will be cleared and replanted as funds become available. Primary physical and biological impacts are considered minimal. There are no anticipated adverse impacts of the transfer to terrestrial or aquatic habitat. There are no anticipated impacts to wetland resources.

No secondary impacts are anticipated.

### ***Cumulative Impacts of Land Transfer, TSP***

Although there is considerable land management at the Wappapello Lake Project for fish & wildlife and flood control purposes, the impacts of the proposed land purchases/transfers are considered to be minor and would have no adverse impacts that could be considered additive to existing management practices. The incorporation of the wooded tracts into the Wappapello Lake's fish and wildlife management would be a positive impact; however, the impacts would be minimal. So in summary, this action would not have any major cumulative impacts when the proposed project is added to existing management practices.

## **V. ENDANGERED SPECIES: BIOLOGICAL ASSESSMENT**

The U.S. Fish and Wildlife Service (Service) was contacted on May 10, 2016, for a list of Federal threatened, endangered and candidate species that could potentially be located in the project areas. The following list of species for Wayne and Butler Counties, Missouri, was provided through ECOS (Consultation Code: 03E14000-2016-SLI-1411).

The species list contains three endangered bat species. No hibernacula, nursery, or foraging habitat will be adversely impacted by the land purchases/transfers. Some of the land parcels that are being considered for purchase/transfer, are likely to contain Indiana and northern long-eared bats summer/maternity habitats. No land disturbance to these parcels is expected at this time. As such, the Indiana, Gray and northern long-eared bats will not be impacted by the proposed land transfer.

The list contains four aquatic invertebrates. A few of the parcels being considered for purchase/transfer are currently periodically inundated by the fluctuation of the lake levels. There are currently no plans to change the water control plan for the lake. So, no aquatic habitat impacts (primary or secondary impacts) will result from the land transfer.

There are two listed plants species, running buffalo clover and pondberry, listed from Wayne and Butler Counties. The proposed tracts of land do contain habitats conducive to both species. Because no proposed actions are planned for these tracts, neither species is expected to be negatively impacted. If in the future, timber or some other vegetative management becomes necessary, surveys of the areas will be completed prior to any disturbance.

In summary, NO EFFECT to any federally listed species occurring in Wayne and Butler Counties will result from the purchase/transfer of these approximately 81 properties.

<b>Location</b>	<b>Species</b>	<b>Listing</b>	<b>Habitat</b>
<b>Wayne and Butler Counties</b>	Gray bat <i>(Myotis grisescens)</i>	Endangered	Caves
	Indiana bat <i>(Myotis sodalis)</i>	Endangered	Hibernacula = Caves and mines; Maternity and foraging habitat = small stream corridors with well developed riparian woods; upland forests
	Northern Long-eared bat <i>(Myotis septentrionalis)</i>	Threatened	Hibernacula = Caves and mines; Maternity and foraging habitat = Opportunistic from live/dead trees to caves and mines; upland forests
	Hine's emerald dragonfly <i>(Somatochlora hineana)</i>	Endangered	Streams and associated wetlands overlying dolomite bedrock
	Curtis' pearlymussel <i>(Epioblasma florentina curtisi)</i>	Endangered	Little Black River
	Pink Mucket <i>(Lampsilis abrupta)</i>	Endangered	Rivers

Location	Species	Listing	Habitat
	<a href="#">Rabbitsfoot</a> <i>(Quadrula cylindrica cylindrica)</i>	Candidate	Rivers
	Snuffbox Mussel <i>(Epioblasma triquetra)</i>	Endangered	Rivers
	Pondberry <i>(Lindera melissifolia)</i>	Endangered	Closed canopy wetlands
	Running buffalo clover <i>(Trifolium stoloniferum)</i>	Endangered	Disturbed bottomland meadows

**VI. CULTURAL RESOURCES**

Existing – There have been no recorded cultural resource surveys on the properties proposed for acquisition; nor are there any recorded sites. Since these properties are in private ownership, any historic properties that might exist are not subject to the National Historic Preservation Act of 1966, as amended (NHPA).

No Action – If the properties remain in private ownership, there are no applicable legal or regulatory protections for cultural resources. The identification, reporting, and preservation of any historic properties is entirely at the discretion of the individual landowner.

Tentatively Selected Plan –Acquisition of these properties by the Saint Louis District will result in making all actions taken by the district upon the properties subject to the provisions of the National Historic Preservation Act of 1966, as amended, and other statutes, regulations and executive orders. As a consequence, any historic properties that might exist within the boundaries of the acquired tracts will be afforded the same protection as any other existing cultural resource on Federal property. While this constitutes an “effect” on the properties, it is not an adverse effect. In accordance with the provisions of the NHPA, prior to any undertaking with the potential to affect historic properties, the District, in consultation with the Missouri State Historic Preservation Agency (MoSHPO), will be required to identify any existing historic properties, and take steps to avoid or mitigate any adverse effects. The precise nature of any such investigations would be developed by the Saint Louis District in concert with the professional staff of the MoSHPO.

As stated above, all future actions taken will be in accordance with the National Historic Preservation Act of 1966, as amended (NHPA). The NHPA requires that any Federal undertaking consider the effects to historic properties and consultation with State Historic

Preservation Officers and the Advisory Council on Historic Preservation. This act is further codified in 36 CFR Part 800, Protection of Historic Properties. Should any actions result in the collection of data or material from historic properties, such information and objects shall be cared for in accordance with 36 CFR Part 79, Curation of Federally Owned and Administered Archaeological Collections.

**Tribal Coordination:**

The St. Louis District consults with 27 tribes that have an interest in projects along all rivers within our district boundaries. This action and any future actions or undertaking affecting these properties will be coordinated with all tribes in the following manner.

An initial letter to the tribes will describe the location of the proposed action. Maps of the areas and a description of the types of impacts resulting from the action will also be included. The tribes will be requested to contact the USACE if there are known tribal areas of concern in any of the project areas and if they desire further consultation on each or any project. Depending on tribal response, the USACE will continue the consultation process until the completion of the project.

**VII. HTRW**

The U.S. Army Corps of Engineers (USACE) regulations (ER-1165-132) and District policy requires procedures be established to facilitate early identification and appropriate consideration of potential HTRW in reconnaissance, feasibility, preconstruction engineering and design, land acquisition, construction, operations and maintenance, repairs, replacement, and rehabilitation phases of water resources studies or projects by conducting Phase I Environmental Site Assessment (ESA). USACE specifies that these assessments follow the process/standard practices for conducting Phase I ESA's published by the American Society for Testing and Materials.

Prior to purchase, all parcels will have a completed ESA.

**VIII. SOCIO-ECONOMIC RESOURCES**

*Existing Condition*

The project involves the purchase/transfer of 81 small tracts of land (631 acres) in a rural area. Many of these tracts are either land locked by existing Corps lands or are being inundated by the lake when it rises. The use/access of these properties by their owners has not been optimal.

*Primary, Secondary, and Cumulative Impacts of No Action Alternative*

If no action is taken the parcels will remain under the current ownership/management.

*Primary and Secondary, and Cumulative Impacts of Land Transfer, TSP*

If the properties are exchanged, the action will have no economic impacts on the local economy. However from a social perspective, the lands currently in private ownership will be available for the public to enjoy.

## **IX. AESTHETIC AND RECREATIONAL RESOURCES**

### ***Existing Condition***

As previously noted, this area is rural in character. The current conditions varies from 100% wooded to early regeneration following a timber harvest. One parcel has a house and barn. The majority of these tracts are currently in private ownership so access by the public is prohibited. The US Forest Service tracts are either inundated by the lake or surrounded by Corps lands.

### ***Primary, Secondary, and Cumulative Impacts of No Action Alternative***

The aesthetics and limited recreational potential would remain unchanged for all tracts.

### ***Primary and Secondary, and Cumulative Impacts of Land Transfer, TSP***

The aesthetic quality of the forested tracts would remain unchanged and the chance that they would be cleared would be eliminated. Areas that have had their timber harvested would be given the chance to recover and managed to provide optimal habitat for area species. The tract with the house and outbuildings will be cleared and returned to forest as funds become available. Recreational access to these tracts will be opened up to the public.

## **X. ENVIRONMENTAL JUSTICE**

Environmental justice is considered, in summary, to determine if disproportional project impacts are occurring to minority populations or people below the poverty level. This project is different in the sense that no major construction activities are taking place. The potential impacts of the proposed land purchase/transfer are minimal and are not anticipated to have any adverse impacts on minority populations or people below the poverty level.

**XI. RELATIONSHIP OF PLAN TO ENVIRONMENTAL REQUIREMENTS**

Federal Policy	Compliance Status
Endangered Species Act, 16 USC 1531-1543	Partial <sup>1</sup>
Farmland Protection Policy Act, 7 USC 4201-4208	Full
Fish and Wildlife Coordination Act, 16 USC 661-666c	Partial <sup>1</sup>
National Environmental Policy Act, 42 USC 4321-4347	Partial <sup>2</sup>
Migratory Bird Treaty Act of 1918, 16 USC 703-712	Full
Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations (EO 12898)	Full
Protection of Migratory Birds (EO 13186)	Full

<sup>1</sup>Full compliance will be attained upon completion of coordination with USFWS.

<sup>2</sup>Full compliance will be attained upon completion of public review and signing of decision document.

**XII. LIST OF PREPARERS**

Lynn Neher	Natural Resources Specialist, 23 years experience
Rick Archeski	Hazardous, Toxic and Radioactive Waste, 35 years experience,
Jim Barnes	Archaeologist, 32 years experience
Ken Cook	Fishery Biologist, 21 years experience

## **FINDING OF NO SIGNIFICANT IMPACT**

### **ACQUISITION OF INHOLDING LAND PARCELS, WAYNE AND BUTLER COUNTIES, WAPPAPELLO LAKE PROJECT, MISSOURI**

1. I have reviewed and evaluated the documents concerning the proposed purchase/transfer of 81 tracts of land that are currently within or adjacent to Corps boundary.
2. I have also evaluated other pertinent data and information relevant to the land purchase/transfer. As part of this evaluation, I have considered the following project alternatives.
  - a. Land Purchase/Transfer Alternative. The Corps would purchase the tracts that are currently in private ownership from willing sellers and would accept the transfer of management responsibilities for the US Forest Service lands that are currently within Corps boundary.
  - b. No Action Alternative. Under this alternative, the tracts that are currently privately owned would remain privately owned and the publically owned tracts would remain publically owned and managed by the US Forest Service.
3. The possible consequences of the two alternatives have been studied for physical, environmental, cultural, social, economic, aesthetic, and recreational effects. Significant factors evaluated as part of my review include:
  - a. No adverse impacts to the physical or biological resources would result from the land purchase/transfer.
  - b. No federally endangered, threatened, or proposed species would be adversely impacted by the land purchase/transfer.
  - c. The aesthetic and recreational quality of the area would not be impacted by the proposed land purchase/transfer.
  - d. The land purchase/transfer would have no effect upon significant archaeological remains or historic properties.
  - e. No adverse socioeconomic impacts from the proposed land purchase/transfer were identified.
  - f. The land purchase/transfer would not require the placement of fill material below ordinary high water. As such, the public would not be notified of the action by Public Notice under Section 404 or 401 of the Clean Water Act.

4. Based on my analysis and evaluation of the alternative courses of action presented in the Environmental Assessment, I have determined that the implementation of the recommended plan would not have significant effects on the quality of the environment. Therefore, an Environmental Impact Statement would not be prepared prior to proceeding with this action.

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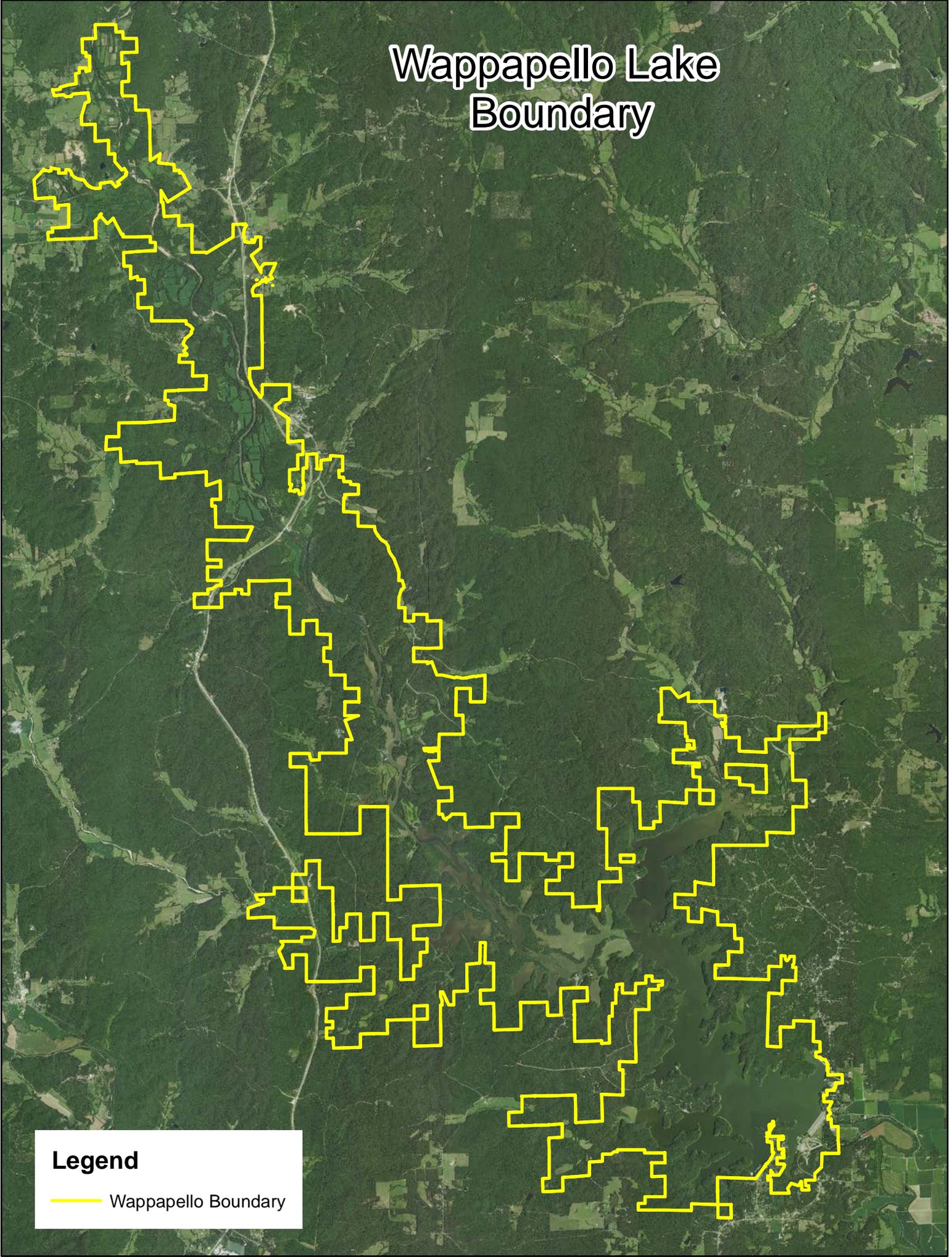
Date

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ANTHONY P. MITCHELL  
COL, EN Commanding

**Appendix A**  
**Parcel Location Maps**

# Wappapello Lake Boundary



## Legend

— Wappapello Boundary

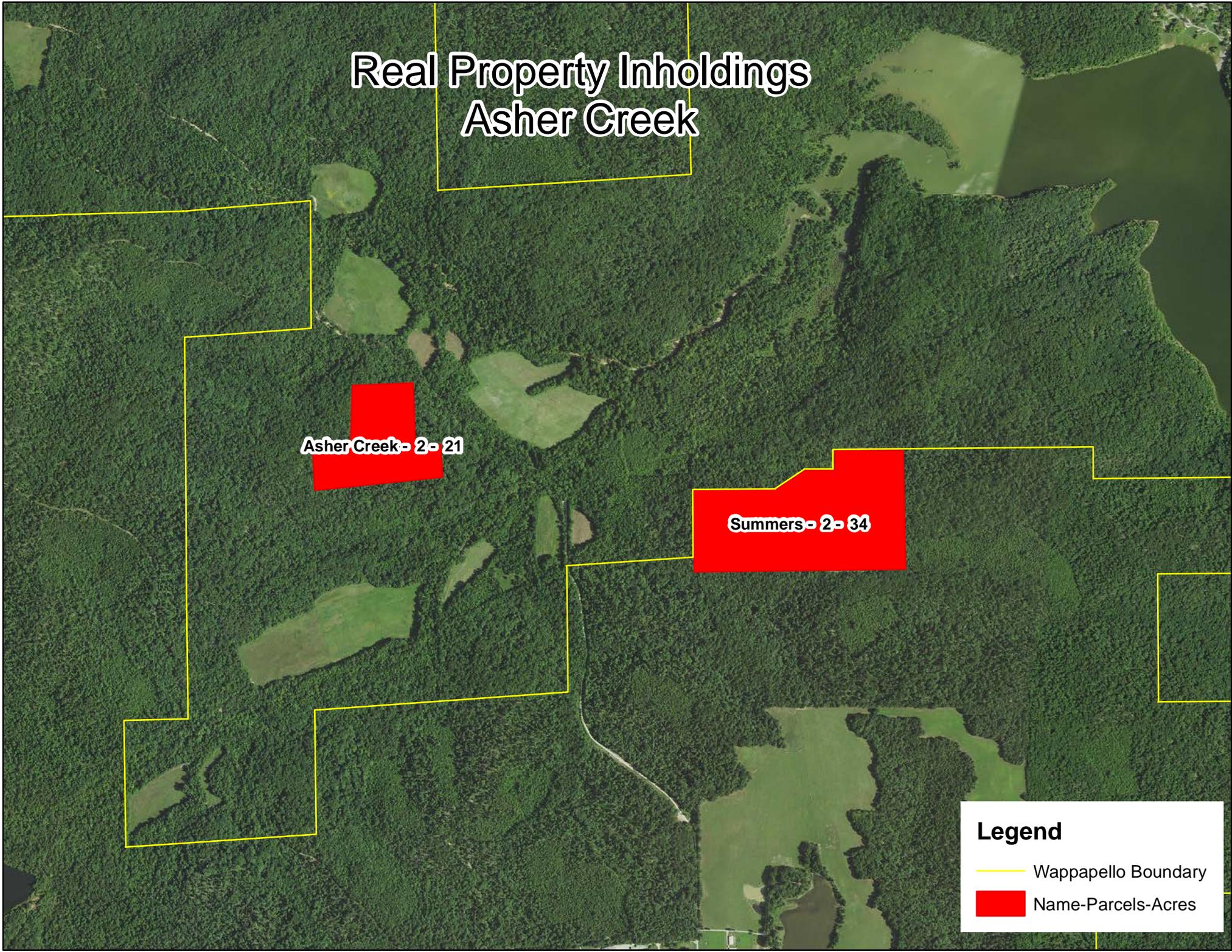
# Real Property Inholdings Asher Creek

Asher Creek - 2 - 21

Summers - 2 - 34

## Legend

- Wappapello Boundary
- Name-Parcels-Acres



# Real Property Inholdings Caldwell Creek & Taskee

New Liberty Church - 1 - 11

Mine - 1 - 41

Raymond Jones - 1 - 3

## Legend

— Wappapello Boundary

■ Name-Parcels-Acres

# Real Property Inholding Dam Area

Ferry Point- 18- 12

Duncan Island- 1- 20

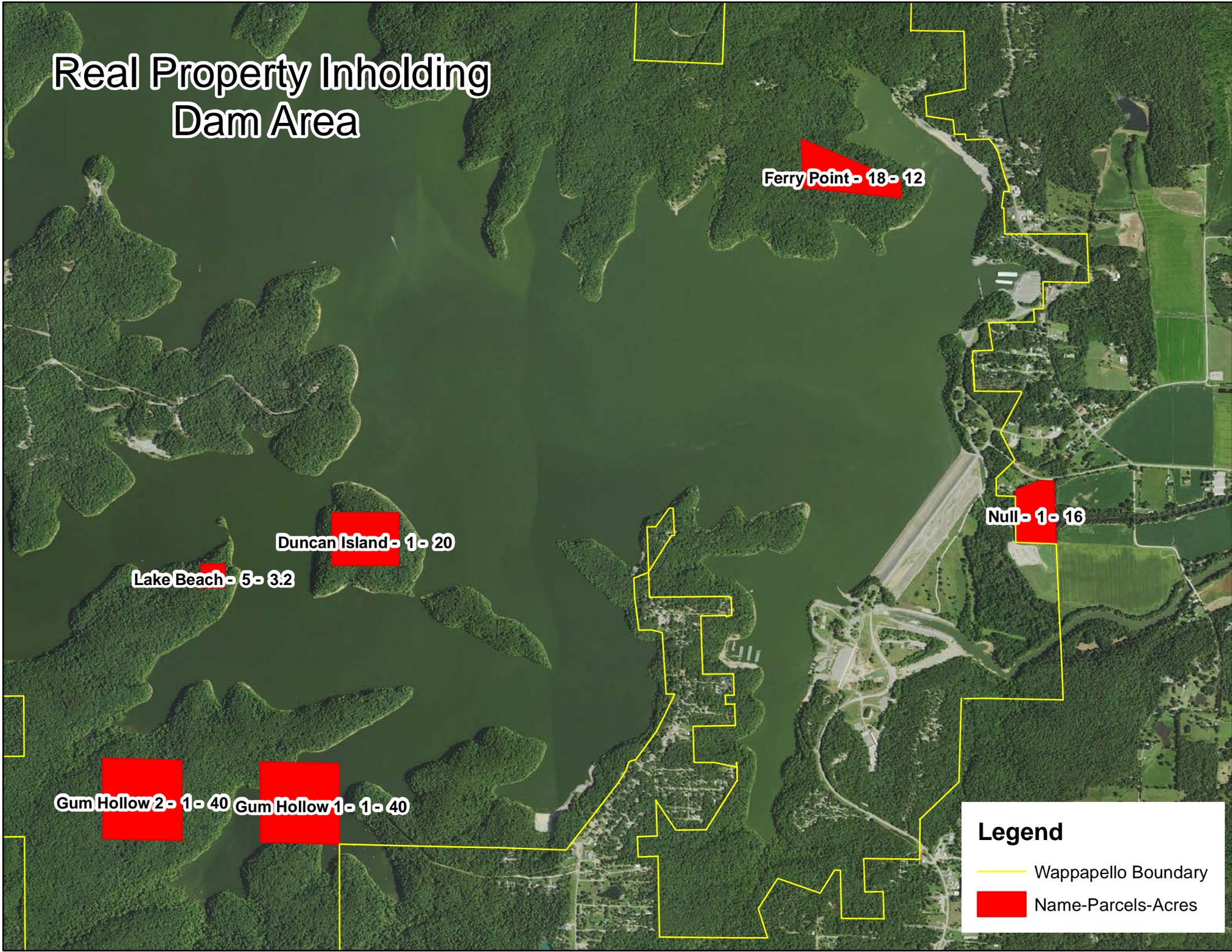
Lake Beach- 5- 32

Null- 1- 16

Gum Hollow 2- 1- 40 Gum Hollow 1- 1- 40

## Legend

- Wappapello Boundary
- Name-Parcels-Acres

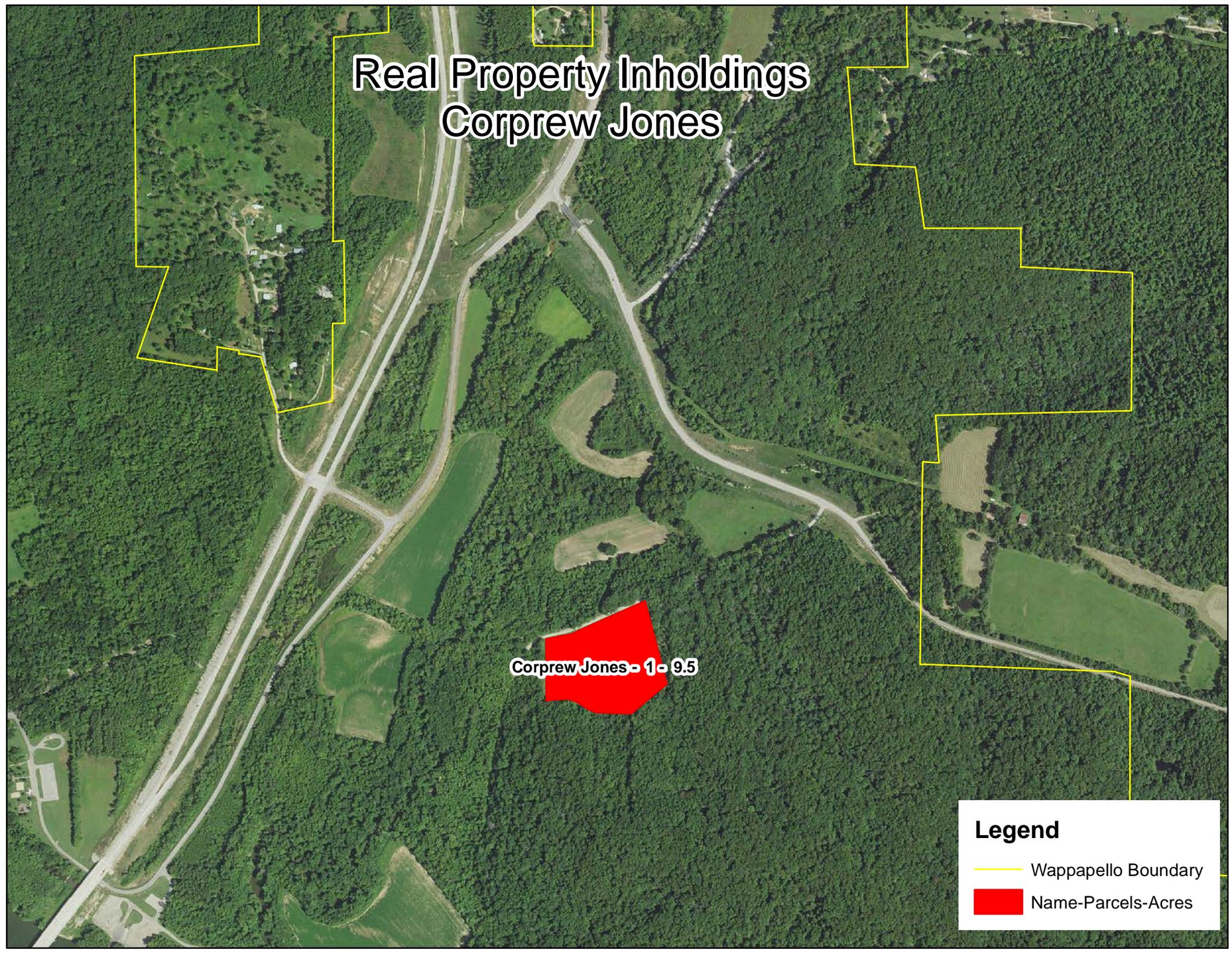


# Real Property Inholdings Corprew Jones

Corprew Jones - 1 - 9.5

## Legend

- Wappapello Boundary
- Name-Parcels-Acres



# Real Property Inholdings Mid-Lake

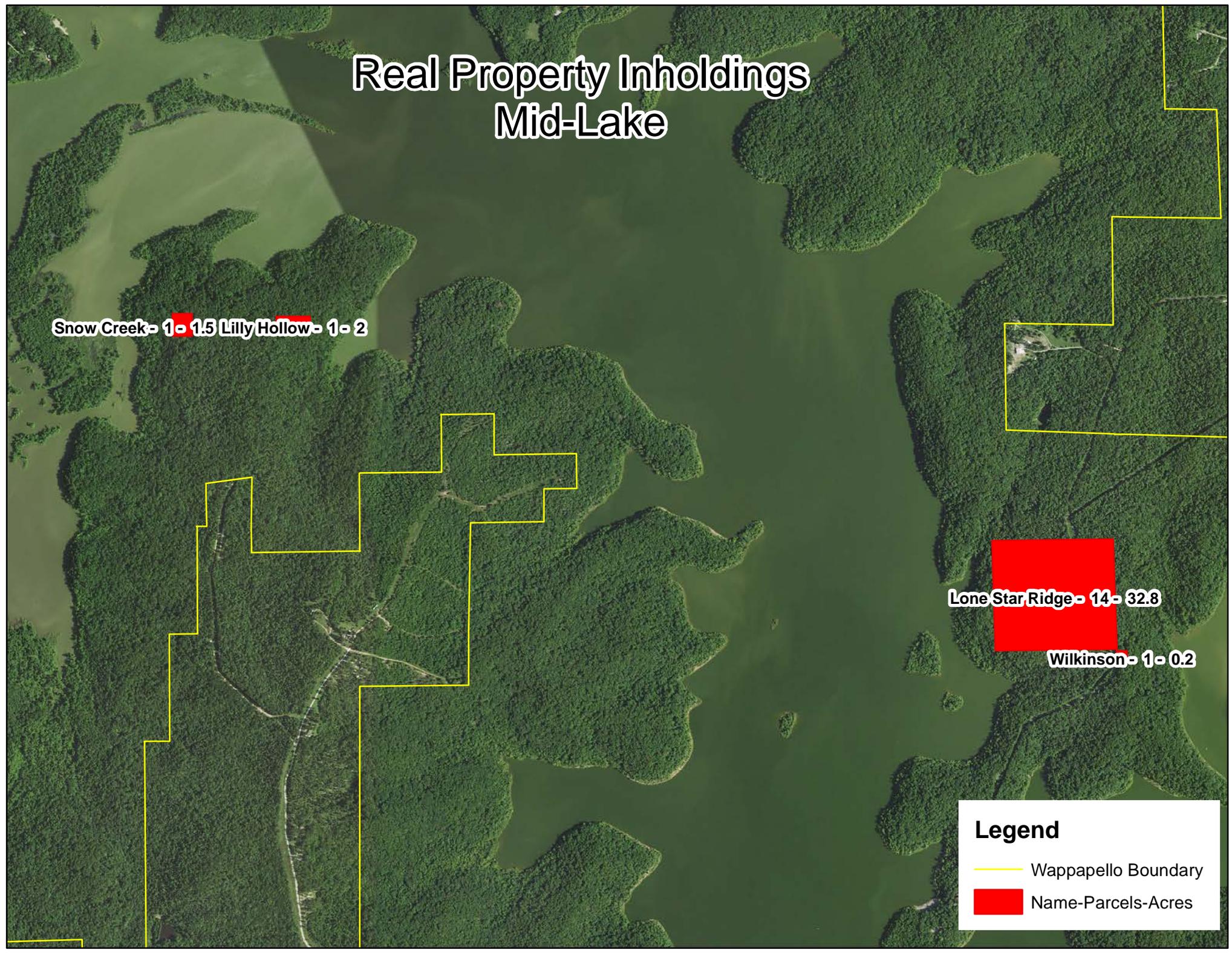
Snow Creek - 1 - 1.5 Lilly Hollow - 1 - 2

Lone Star Ridge - 14 - 32.8

Wilkinson - 1 - 0.2

**Legend**

- Wappapello Boundary
- Name-Parcels-Acres



# Real Property Inholdings North Project Area

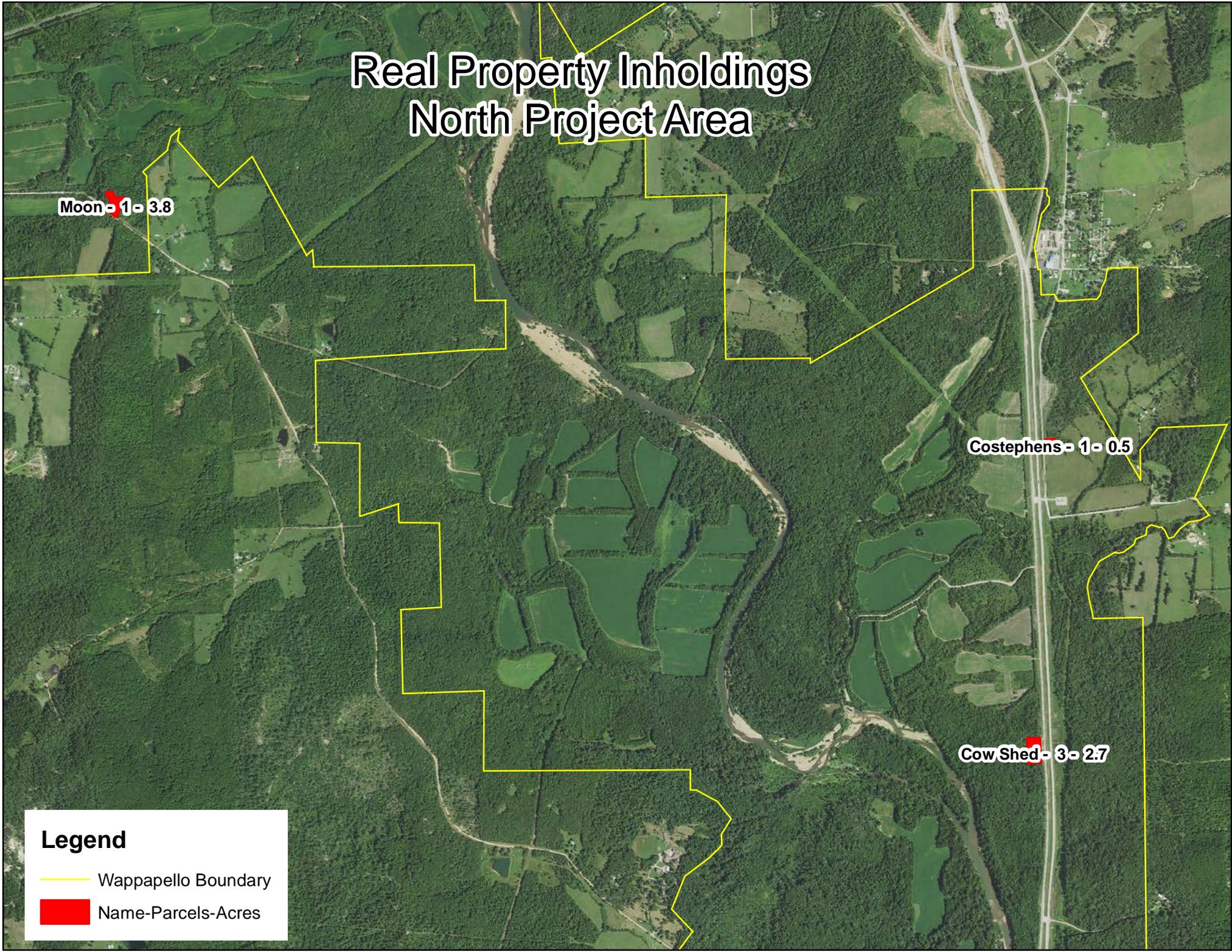
Moon - 1 - 3.8

Costephens - 1 - 0.5

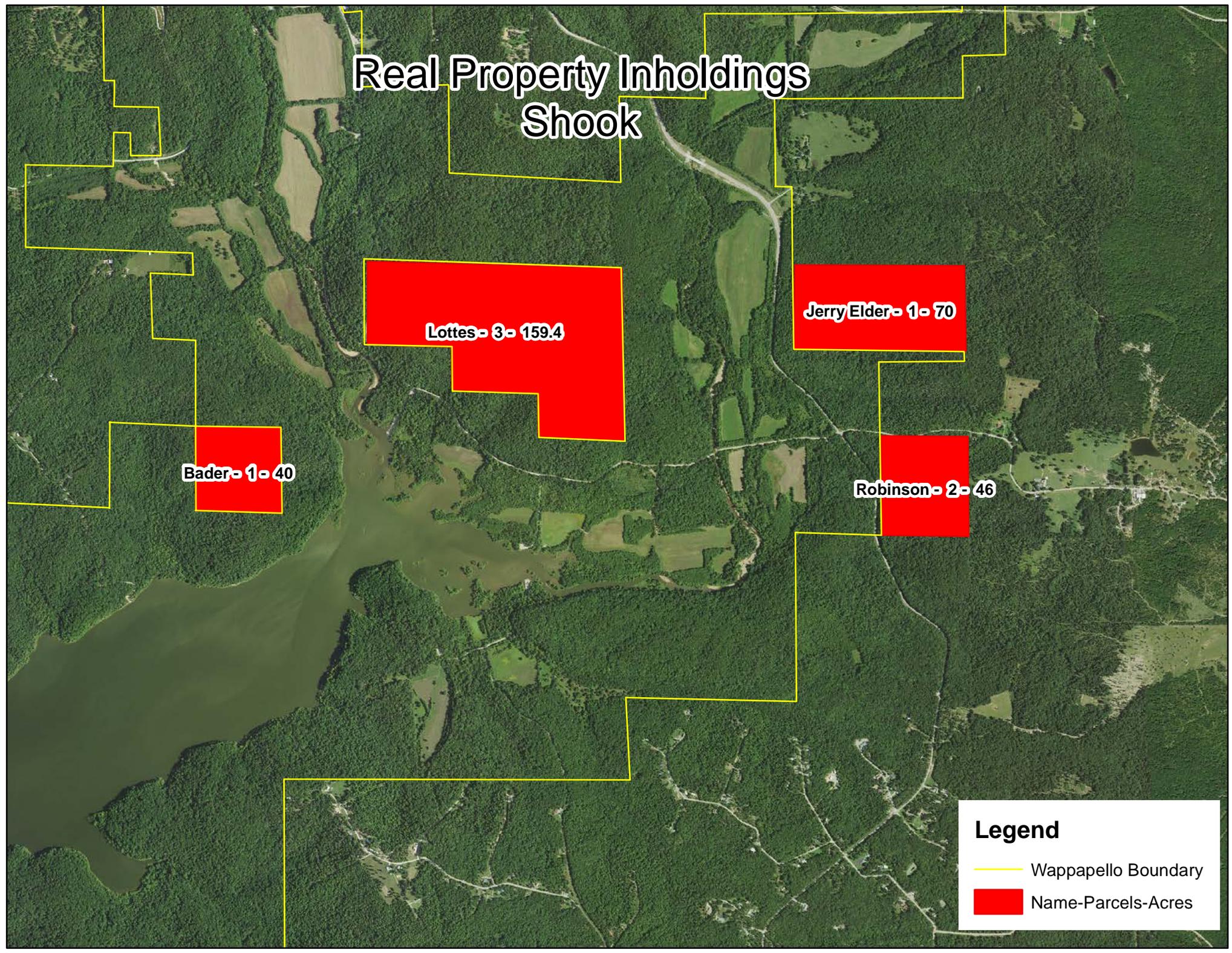
Cow Shed - 3 - 2.7

## Legend

- Wappapello Boundary
- Name-Parcels-Acres



# Real Property Inholdings Shook



**Bader - 1 - 40**

**Lottes - 3 - 159.4**

**Jerry Elder - 1 - 70**

**Robinson - 2 - 46**

## Legend

- Wappapello Boundary
- Name-Parcels-Acres

# Real Property Inholdings Rucker & Mink Creek

Rucker Schoolhouse - 1 - 1.7

Mink Creek - 1 - 38.5

## Legend

- Wappapello Boundary
- Name-Parcels-Acres

# **Appendix B**

## **Parcel List**

<b>REDM Parcel #</b>	<b>PROPERTY NAME</b>	<b>PARCEL ID #</b>	<b>BOOK / PAGE</b>	<b>SITE AREA (deeded acres)</b>	<b>SITE LOCATION MAP (Append. A)</b>
	<b>Shook Store</b>				
34	<b>Gum Springs I</b>	02-03-08.0-000-000-002.000	207 / 291	40.0	Dam Area
33	<b>Gum Springs II</b>	02-03-08.0-000-000-003.000	207 / 197	40.0	Dam Area
11	<b>Mink Creek</b>			38.5	Rucker and Mink Creek
2	<b>Co-Stephens</b>	108-8-0.6-23-6.0	2007 / 0924	0.5	North Project Area
41	<b>Eldon Null Property</b>	108-26-0.8-2-19.0	2014 / 00360	16.0	Dam Area
75	<b>Dwain Robinson</b>	108-21-2.1-3-14.0	417 / 731	40.0	25.900
76	<b>Dwain Robinson</b>	108-21-2.1-3-14.02	2008 / 2543	6.0	Shook
77	<b>Jerry Elder</b>	108-21-2.1-3-11.0	293 / 24	70.0	Shook
6	<b>Corprew &amp; Dr. Jones Property</b>	108-13-4.2-18-4	452 / 60	9.5	Corprew Jones
14	<b>Asher Creek</b>	108-24-0.1-1-5.0	2014 / 2400	5.0	Asher Creek

<b>REDM Parcel #</b>	<b>PROPERTY NAME</b>	<b>PARCEL ID #</b>	<b>BOOK / PAGE</b>	<b>SITE AREA (deeded acres)</b>	<b>SITE LOCATION MAP (Append. A)</b>
14	<b>Asher Creek</b>	108-24-0.1-1-5.1	2014 / 2399	5.0	Asher Creek
14	<b>Asher Creek</b>	03-01-12.0-000-000-002.000	1035 / 5421 1035 / 5422	8.8	Asher Creek
15	<b>Asher Creek</b>	03-01-12.0-000-000-002.020	1014 / 169	2.2	Asher Creek
42	<b>Ferry Point</b>	108-21-8.0-34-1-3-3.0	193 / 272	0.2	Dam Area
43	<b>Ferry Point</b>	108-21-8.0-34-1-3-5.0	267 / 372	0.2	Dam Area
44	<b>Ferry Point</b>	108-21-8.0-34-1-3-8.0	210 / 376	0.2	Dam Area
45	<b>Ferry Point</b>	108-21-8.0-34-1-2-4.0	371 / 726	0.2	Dam Area
46	<b>Ferry Point</b>	108-21-8.0-34-1-3-4.0	348 / 52	2.6	Dam Area
47	<b>Ferry Point</b>	108-21-8.0-34-1-3-1.0	348 / 52	0.2	Dam Area
48	<b>Ferry Point</b>	108-21-8.0-34-0-0-3.0	348 / 52	7.0	Dam Area
49	<b>Ferry Point</b>	108-21-8.0-34-1-1-1.0	348 / 52	0.1	Dam Area

<b>REDM Parcel #</b>	<b>PROPERTY NAME</b>	<b>PARCEL ID #</b>	<b>BOOK / PAGE</b>	<b>SITE AREA (deeded acres)</b>	<b>SITE LOCATION MAP (Append. A)</b>
50	<b>Ferry Point</b>	108-21-8.0-34-1-1-3.0	348 / 52	1.6	Dam Area
51	<b>Ferry Point</b>	108-21-8.0-34-1-1-4.0	348 / 52	1.1	Dam Area
52	<b>Ferry Point</b>	108-21-8.0-34-1-2-1.0	348 / 52	4.0	Dam Area
53	<b>Ferry Point</b>	108-21-8.0-34-1-3-9.0	2003 / 02169	0.4	Dam Area
54	<b>Ferry Point</b>	108-21-8.0-34-1-3-7.0	423 / 39	0.2	Dam Area
55	<b>Ferry Point</b>	108-21-8.0-34-1-3-6.0	357 / 673	0.2	Dam Area
56	<b>Ferry Point</b>	108-21-8.0-34-1-3-2.0	2014 / 00777	0.2	Dam Area
57	<b>Ferry Point</b>	108-21-8.0-34-1-2-3.0	446 / 210	0.2	Dam Area
58	<b>Ferry Point</b>	108-21-8.0-34-1-2-2.0	325 / 542	0.2	Dam Area
59	<b>Ferry Point</b>	108-21-8.0-34-1-1-2.0	2003 / 02169	0.4	Dam Area

<b>REDM Parcel #</b>	<b>PROPERTY NAME</b>	<b>PARCEL ID #</b>	<b>BOOK / PAGE</b>	<b>SITE AREA (deeded acres)</b>	<b>SITE LOCATION MAP (Append. A)</b>
40	<b>Duncan Island</b>	108-23-2.0-4-3.0	399 / 66	20.0	Dam Area
8	<b>Mine</b>			4.1	Caldwell and Taskee
81	<b>Bader</b>	108-21-3.1-5-10.0	2012 / 0416	40.0	Shook
35	<b>Lake Beach Subdv</b>	108-23-3.0-5-4-1-1.0	349 / 972	1.9	Dam Area
36	<b>Lake Beach Subdv</b>	108-23-3.0-5-4-2-1.0	349 / 972	0.1	Dam Area
37	<b>Lake Beach Subdv</b>	108-23-3.0-5-4-3-1.0	349 / 972	0.6	Dam Area
38	<b>Lake Beach Subdv</b>	108-23-3.0-5-4-2-3.0	2005 / 00507	0.3	Dam Area
39	<b>Lake Beach Subdv</b>	108-23-3.0-5-4-2-2.0	251 / 338	0.3	Dam Area
60	<b>Wilkison</b>	108-21-8.0-28-2-1-6.0	374 / 841	0.2	Shook
7	<b>New Liberty Church</b>	108-15-1.1-12-10		1.1	Caldwell and Taskee
78	<b>Lost Creek (Lottes)</b>	108-21-2.1-4-33.0	2007 / 00448	97.0	Shook
79	<b>Lost Creek (Lottes)</b>	108-21-2.1-4-33.01	2007 / 725	39.4	Shook
78	<b>Lost Creek (Lottes)</b>	108-21-2.1-4-35.0	2007 / 00864	20.0	Shook

<b>REDM Parcel #</b>	<b>PROPERTY NAME</b>	<b>PARCEL ID #</b>	<b>BOOK / PAGE</b>	<b>SITE AREA (deeded acres)</b>	<b>SITE LOCATION MAP (Append. A)</b>
80	<b>Lost Creek (Lottes)</b>	108-21-2.1-4-37.0	166 / 280	1.0	Shook
78	<b>Lost Creek (Lottes)</b>	108-21-2.1-4-38.0	2010 / 2323	1.0	Shook
78	<b>Lost Creek (Lottes)</b>	108-21-2.1-4-39.0	2007 / 1844	1.0	Shook
3	<b>Old Cow Shed</b>	108-08-7.0-26-4	2014 / 1796	0.6	North Project Area
4	<b>Old Cow Shed</b>	108-08-7.0-26-5	2008 / 1595	1.5	North Project Area
5	<b>Old Cow Shed</b>	108-08-7.0-26-5.01	2007 / 2372 2004 / 01318	0.6	North Project Area
10	<b>Rucker Schoolhouse</b>	108-20-9.0-29-2	425 / 825	1.7	Rucker and Mink Creek
9	<b>Raymond Jones</b>	108-20-4.0-18-4	2008 / 02337	3.0	Caldwell and Taskee
13	<b>Lilly Hollow</b>	108-21-0.4-19-3	2005 / 02100, 02101, 02102	2.0	Mid Lake
12	<b>Snow Creek</b>	108-21-0.4-19-2		1.5	Mid Lake
1	<b>Moon</b>	108-08-0.4-17-6.01	2005 / 02821	0.2	north Project Area
1	<b>Moon</b>	108-08-4.0-20-2.0	2005 / 02821	3.6	north Project Area

<b>REDM Parcel #</b>	<b>PROPERTY NAME</b>	<b>PARCEL ID #</b>	<b>BOOK / PAGE</b>	<b>SITE AREA (deeded acres)</b>	<b>SITE LOCATION MAP (Append. A)</b>
61	<b>Lone Star Ridge</b>	108-21-0.8-28-2-1-1.01	2006 / 00782	0.9	Mid Lake
61	<b>Lone Star Ridge</b>	108-21-0.8-28-2-1-1.0	448 / 73	13.4	Mid Lake
62	<b>Lone Star Ridge</b>	108-21-0.8-28-2-1-2.0	152 / 47	0.7	Mid Lake
62	<b>Lone Star Ridge</b>	108-21-0.8-28-2-1-2.02	152 / 47	0.0	Mid Lake
63	<b>Lone Star Ridge</b>	108-21-0.8-28-2-1-2.03	393 / 634	0.1	Mid Lake
64	<b>Lone Star Ridge</b>	108-21-0.8-28-2-1-3.0	2010 / 2301	1.0	Mid Lake
65	<b>Lone Star Ridge</b>	108-21-0.8-28-2-1-4.0	2010 / 1486	0.4	Mid Lake
66	<b>Lone Star Ridge</b>	108-21-0.8-28-2-1-5.0	2007 / 1056	2.5	Mid Lake
67	<b>Lone Star Ridge</b>	108-21-0.8-28-2-1-6.0	374 / 841	0.8	Mid Lake
68	<b>Lone Star Ridge</b>	108-21-0.8-28-2-2-1.0	2005 / 01667	2.8	Mid Lake
69	<b>Lone Star Ridge</b>	108-21-0.8-28-2-2-3.0	415 / 346	2.8	Mid Lake
70	<b>Lone Star Ridge</b>	108-21-0.8-28-2-2-4.0	388 / 44	3.5	Mid Lake
71	<b>Lone Star Ridge</b>	108-21-0.8-28-2-2-5.0	329 / 202	1.0	Mid Lake

<b>REDM Parcel #</b>	<b>PROPERTY NAME</b>	<b>PARCEL ID #</b>	<b>BOOK / PAGE</b>	<b>SITE AREA (deeded acres)</b>	<b>SITE LOCATION MAP (Append. A)</b>
72	<b>Lone Star Ridge</b>	108-21-0.8-28-2-2-9.0	2014 / 00627	1.0	Mid Lake
72	<b>Lone Star Ridge</b>	108-21-0.8-28-2-2-10.0	2008 / 1812	1.0	Mid Lake
73	<b>Lone Star Ridge</b>	108-21-0.8-28-2-2-11.0	2007 / 1056	0.7	Mid Lake
74	<b>Lone Star Ridge</b>	108-21-0.8-28-2-2-12.0	374 / 841	0.2	Mid Lake
31	<b>Summers Property (BUTLER CO.)</b>	02-03-07.0-000-000-004.0	1032 / 2285 1034 / 1833	27.0	Asher Creek
28	<b>Davis Property (BUTLER CO.)</b>	?	?	7.0	Asher Creek
17	<b>King Property Butler Co</b>			0.8	Asher Creek
18	<b>Hunt Property Butler Co</b>			0.8	Asher Creek
19	<b>Rush Property Butler Co</b>			0.8	Asher Creek
20	<b>Rush Property Butler Co</b>			0.8	Asher Creek
21	<b>Rush Property Butler Co</b>			0.8	Asher Creek
22	<b>Rush Property Butler Co</b>			0.8	Asher Creek

<b>REDM Parcel #</b>	<b>PROPERTY NAME</b>	<b>PARCEL ID #</b>	<b>BOOK / PAGE</b>	<b>SITE AREA (deeded acres)</b>	<b>SITE LOCATION MAP (Append. A)</b>
23	<b>Rush Property Butler Co</b>			0.8	Asher Creek
24	<b>Rush Property Butler Co</b>			0.8	Asher Creek
25	<b>Taber Property Butler Co</b>			0.8	Asher Creek
26	<b>Seaman Property Butler Co</b>			0.8	Asher Creek
27	<b>Paul Rush Property Butler Co</b>			0.8	Asher Creek
29	<b>Hart Property Butler Co</b>			0.8	Asher Creek
30	<b>John Rush Property Butler Co</b>			0.8	Asher Creek