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April 10, 2020

VIA ELECTRONIC FILING

Project No. 2628-065
R.L. Harris Hydroelectric Project
Transmittal of the Draft Phase 1 Project Lands Evaluation Study Report

Ms. Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street N.
Washington, DC 20426

Dear Secretary Bose,

Alabama Power Company (Alabama Power) is the Federal Energy Regulatory Commission (FERC or Commission) licensee for the R.L. Harris Hydroelectric Project (Harris Project) (FERC No. 2628-065). On April 12, 2019, FERC issued its Study Plan Determination[1] (SPD) for the Harris Project, approving Alabama Power's ten relicensing studies with FERC modifications. On May 13, 2019, Alabama Power filed Final Study Plans to incorporate FERC's modifications and posted the Final Study Plans on the Harris relicensing website at www.harrisrelicensing.com. In the Final Study Plans, Alabama Power proposed a schedule for each study that included filing a voluntary Progress Update in October 2019 and October 2020. Alabama Power filed the first of two Progress Updates on October 31, 2019.[2]

Pursuant to the Commission's Integrated Licensing Process (ILP) and 18 CFR § 5.15(c), Alabama Power filed its Harris Project Initial Study Report (ISR) on April 10,2020. Concurrently, and consistent with FERC's April 12, 2019 SPD, Alabama Power is filing the Draft Phase 1 Project Lands Evaluation Study Report (Draft Report) (Attachment 1). This filing also includes the stakeholder consultation for this study beginning May 2019 through March 2020 (Attachment 2). Stakeholders have until June 11, 2020 to submit their comments to Alabama Power on the Draft Report. Comments should be sent directly to harrisrelicensing@southernco.com.

Stakeholders may access the ISR, this Draft Report, and other study reports on FERC's website (http://www.ferc.gov) by going to the "eLibrary" link and entering the docket number (P-2628). The ISR and study reports are also available on the Project relicensing website at https://harrisrelicensing.com.

[1] Accession Number 20190412-3000

[2] Accession Number 20191030-5053

If there are any questions concerning this filing, please contact me at arsegars@southernco.com or 205-257-2251.

Sincerely,

Angie Anderegg
Harris Relicensing Project Manager

Attachment 1 – Draft Phase 1 Project Lands Evaluation Study Report
Attachment 2 – Project Lands Evaluation Consultation Record (May 2019-March 2020)

cc: Harris Stakeholder List

Attachment 1
Draft Phase 1 Project Lands Evaluation Study Report

HARRIS DAM
RELICENSING

DRAFT
PHASE 1 PROJECT LANDS EVALUATION STUDY REPORT

R. L. HARRIS PROJECT
FERC NO. 2628

Prepared by:

ALABAMA POWER COMPANY
BIRMINGHAM, ALABAMA

Alabama Power

APRIL 2020

DRAFT
PHASE 1 PROJECT LANDS EVALUATION STUDY REPORT

R.L. HARRIS PROJECT
FERC NO. 2628

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R.L. HARRIS PROJECT
FERC NO. 2628

1.0 INTRODUCTION

Alabama Power Company (Alabama Power) owns and operates the R.L. Harris Hydroelectric Project (Harris Project), FERC Project No. 2628, licensed by the Federal Energy Regulatory Commission (FERC). Alabama Power Company (Alabama Power) is relicensing the 135-megawatt (MW) Harris Project, and the existing license expires in 2023. The Harris Project consists of a dam, spillway, powerhouse, and those lands and waters necessary for the operation of the hydroelectric project and enhancement and protection of environmental resources. These structures, lands, and water are enclosed within the FERC Project Boundary. Under the existing Harris Project license, the FERC Project Boundary encloses two distinct geographic areas, described below.

Harris Reservoir is the 9,870-acre reservoir (Harris Reservoir) created by the R.L. Harris Dam (Harris Dam). The lands adjoining the reservoir total approximately 7,392 acres and are included in the FERC Project Boundary (Figure 1-1). This includes land to 795 feet mean sea level (msl)[1], as well as natural undeveloped areas, hunting lands, prohibited access areas, recreational areas, and all islands.

The Harris Project also contains 15,063 acres of land within the James D. Martin-Skyline Wildlife Management Area (Skyline WMA) located in Jackson County, Alabama (Figure 1-2). These lands are located approximately 110 miles north of Harris Reservoir and were acquired and incorporated into the FERC Project Boundary as part of the FERC-approved Harris Project Wildlife Mitigative Plan and Wildlife Management Plan. These

[1] Also includes a scenic easement (to 800 feet msl or 50 horizontal feet from 793 feet msl, whichever is less, but never less than 795 feet msl).

lands are leased to, and managed by, the State of Alabama for wildlife management and public hunting and are part of the Skyline WMA (ADCNR 2016).

For the purposes of this study report, “Lake Harris” refers to the 9,870-acre reservoir, adjacent 7,392 acres of Project land, and the dam, spillway, and powerhouse. “Skyline” refers to the 15,063 acres of Project land within the Skyline WMA in Jackson County. “Harris Project” refers to all the lands, waters, and structures enclosed within the FERC Project Boundary, which includes both Lake Harris and Skyline. Harris Reservoir refers to the 9,870-acre reservoir only; Harris Dam refers to the dam, spillway, and powerhouse. The Project Area refers to the land and water in the Project Boundary and immediate geographic area adjacent to the Project Boundary (Alabama Power Company 2018).

Lake Harris and Skyline are located within two river basins: the Tallapoosa and Tennessee River Basins, respectively. The only waterbody managed by Alabama Power as part of their FERC license for the Harris Project is the Harris Reservoir.

Commonly used acronyms that may appear in this report are included in Appendix A.

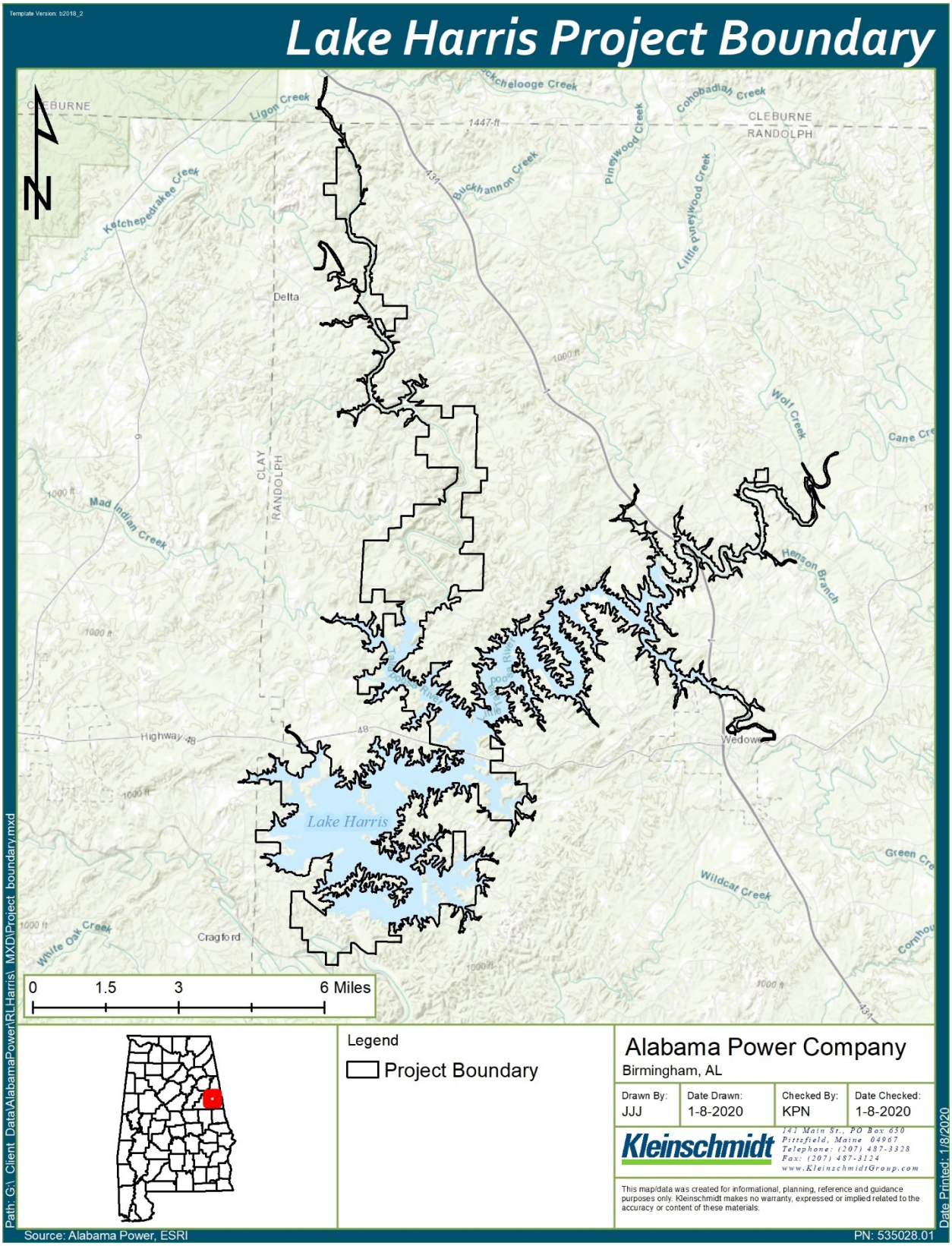


FIGURE 1-1 LAKE HARRIS PROJECT BOUNDARY

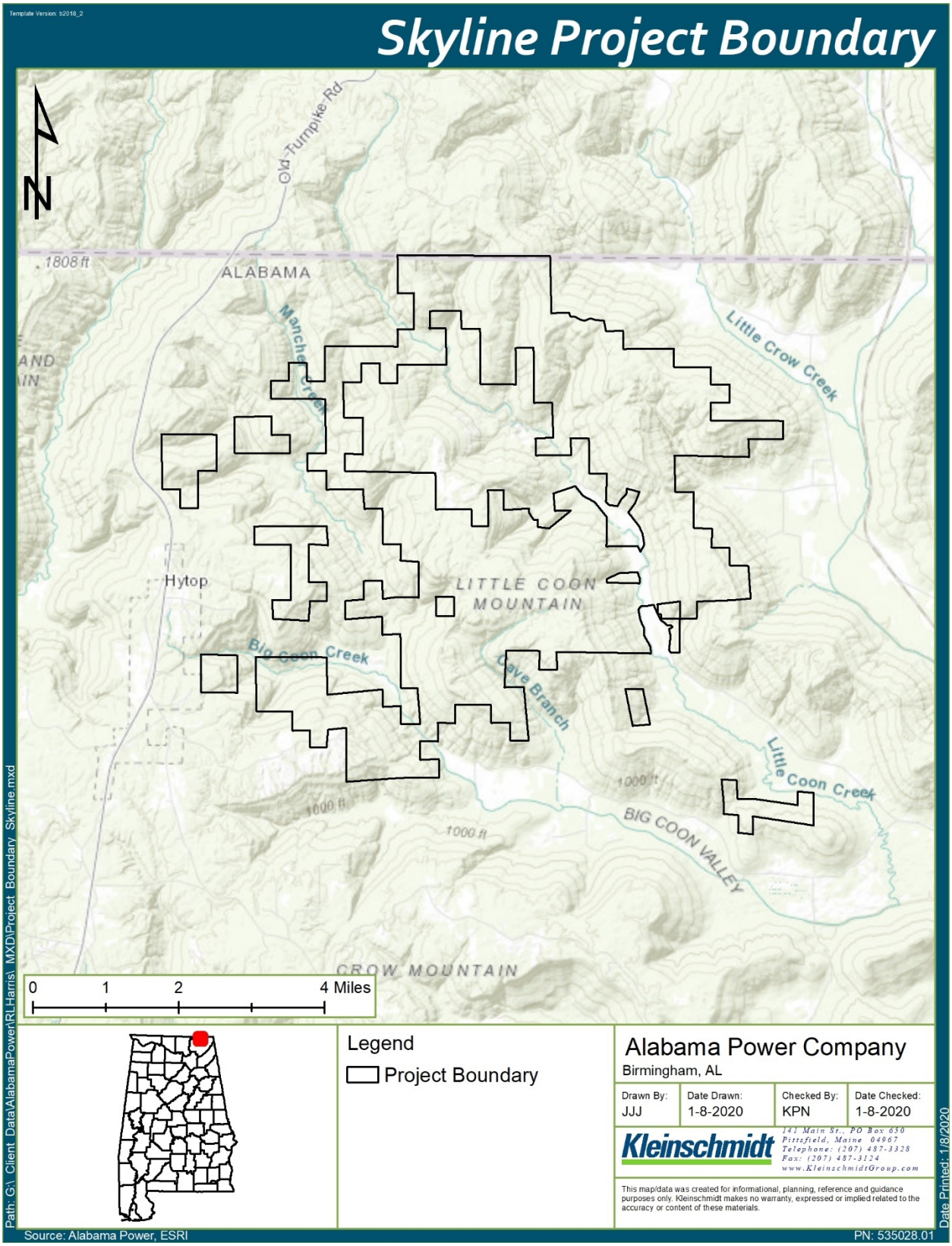


FIGURE 1-2 SKYLINE PROJECT BOUNDARY

1.1 STUDY BACKGROUND

During the October 19, 2017 issue identification workshop, several stakeholders noted issues related to Project lands, including the Wildlife Management Plan (WMP) and the Shoreline Management Plan (SMP). On November 13, 2018, Alabama Power filed ten proposed study plans for the Harris Project, including a study plan for an evaluation of Project lands. FERC issued a Study Plan Determination on April 12, 2019, which included FERC staff recommendations. Alabama Power incorporated FERC's recommendations and filed the Final Study Plans with FERC on May 13, 2019.

The goal of Phase 1 of the Project Lands Evaluation Study is to identify lands around Lake Harris and at Skyline that are needed for Harris Project purposes and to classify these lands. Alabama Power evaluated the land use classifications for Harris and determined if any changes are needed to conform to Alabama Power's current land classification system and other Alabama Power FERC-approved SMPs. Lands to be added to, or removed from, the current Harris Project Boundary and/or be reclassified were identified. The geographic scope for the Project Lands Evaluation Study includes the Harris Project Boundary and the associated Project Area.

Alabama Power formed the Harris Action Team (HAT) 4 to specifically address Project lands' issues at Skyline and the Harris Project Boundary and Project Area. Alabama Power held a HAT 4 meeting on September 11, 2019, to review proposed land use changes, including lands to be added to the Project Boundary, lands to be removed from the Project Boundary, and proposed changes in land use classifications of existing Project lands. Alabama Power presented the proposed changes in GIS overlays and posted the September 11, 2019 HAT 4 meeting summary on the Harris Relicensing website. Following the September 11, 2019 HAT 4 meeting, Alabama Power solicited feedback from HAT 4 on the Project Lands proposal. All stakeholder feedback will be considered in developing the final proposal to be included in the Preliminary Licensing Proposal (PLP) and Final License Application.

Alabama Power developed this draft study report to present the results of the Phase 1 Project Lands Evaluation. Appendix B includes maps and supporting information for Alabama Power's proposed changes.

Phase 2 of the Project Lands Evaluation Study will use the Phase 1 evaluation information, as well as results from other studies, to develop a Wildlife Management Plan (WMP) and a Shoreline Management Plan (SMP).

2.0 METHODS

This study is divided into two phases: Phase 1, project lands evaluation and Phase 2, developing the WMP and SMP based on the results of Phase 1. The methods used during the Phase 1 evaluation are detailed below.

1. Desktop Analysis: Alabama Power performed a spatial analysis in a Geographic Information System (GIS) using the following data: existing Project Boundary information, existing information regarding the location of any threatened or endangered species (T&E), wetlands, and cultural resources (i.e., "Sensitive Areas"), timber management tracts and current practices, the impaired waters GIS layer developed by the Alabama Department of Environmental Management (ADEM), the results of the Bobwhite quail habitat analysis (discussed below), and the results of the Flat Rock Botanical Inventory (see Section 5.0) . Additionally, Alabama Power incorporated anecdotal information provided by Alabama Power staff and Harris relicensing stakeholders regarding historical and current trends in economic development, access to Project lands, and recreation needs. High resolution imagery and topographical data (LIDAR) supplemented the desktop analysis. As results from other ongoing Harris relicensing studies become available (i.e., threatened and endangered species, cultural resources, recreation), Alabama Power will incorporate these results in its Project lands evaluation.
2. Maps: Alabama Power developed a draft map using the above described GIS analysis to show all proposed changes to Harris Project Lands.
3. Meetings: Alabama Power held a Harris Action Team (HAT) 4 meeting on September 11, 2019, to review proposed land use changes, including lands to be added to the Project Boundary, lands to be removed from the Project Boundary, and proposed changes in land use classifications of existing Project lands. Alabama Power presented the proposed changes in GIS overlays and posted the September 11, 2019 HAT 4 meeting summary on the Harris Relicensing website at www.harrisrelicensing.com.
4. Stakeholder comments: Following the September 11, 2019 HAT 4 meeting, Alabama Power solicited feedback from HAT 4 on the Project Lands proposal. Documentation of the feedback received is included within the consultation record, and all stakeholder feedback will be considered in developing the final proposal to be included in the Preliminary Licensing Proposal (PLP) and Final License Application.

3.0 RESULTS

3.1 CURRENT LAND CLASSIFICATIONS

Alabama Power's current Harris Land Use Plan defines land use categories within the existing Project Boundary (Alabama Power 2008). Harris Project classifications are Recreational Use, Hunting, Prohibited Access, and Natural Undeveloped, as defined below.

- *Recreational Use (Public Use Areas)* – Includes lands where existing public recreation access and facilities occur and those lands set aside for future recreational use access depending on future recreation demand and needs. Within these areas, specific locations are identified as "Quasi-Public Use Areas" to provide potential use by non-profit groups, such as scouts, youth organizations, and educational groups, for outdoor recreational activities.
- *Hunting* – Includes lands that are managed to provide hunting opportunities (either through hunting leases or individual permits) as prescribed in accordance with the existing Harris Project Wildlife Mitigation Plan. Non-hunting related public access is allowed from May 1 until September 30 of each year for activities such as hiking, backpacking, camping, wildlife observation, and bank fishing opportunities.
- *Prohibited Access* – Includes lands where public use and access are prohibited to avoid hazards to the public and to prevent interference or damage to Harris Project facilities and operations (the tailrace fishing area is one exception to this use type where public access is allowed).
- *Natural Undeveloped* – Includes lands to remain in an undeveloped state to serve as protective buffer zones around public recreation areas and shoreline areas, preserve natural aesthetic qualities, prevent overcrowding, as well as to protect environmentally sensitive areas. These lands allow public access for hiking and primitive camping activities and are managed for timber production in accordance with the existing Harris Wildlife Mitigation Plan.

3.2 PROPOSED CLASSIFICATIONS

At this time, Alabama Power is not proposing any substantive changes to the current Harris Project land use classification definitions. However, all classification definitions will be slightly modified to match the definitions included within other Alabama Power SMPs (i.e., Coosa, Warrior, and Martin Projects). These definitions will be further reviewed during the development of the SMP in Phase 2 of the Project Lands Evaluation Study. For example, Alabama Power does not plan to continue using the *Quasi-Public Use Area* subcategory as defined in the current Land

Use Plan. Rather, the proposed definition for recreation will not include any subcategories and will encompass all subcategories included in the current Land Use Plan.

As such, Alabama Power is proposing to use the following land use classification definitions, which match the definitions described within the SMPs of other Alabama Power projects:

1. Recreation – This classification includes Project lands managed by Alabama Power for existing or potential future recreational activities. This includes land that is developed for public recreation, open space, water access, and future recreational development. Alabama Power typically owns these lands in fee simple title, but they may be operated by a third party under a lease agreement with Alabama Power. The allowable uses in the Recreation classification include public access and day and evening recreational use. This classification may allow structures, such as parks with boat slips, beach areas, dry boat storage facilities, trails, etc. to be permitted through the appropriate process.
2. Hunting – This classification includes lands that are managed to provide hunting opportunities (either through hunting leases or individual permits) as prescribed in accordance with the existing Harris Project Wildlife Mitigation Plan. Non-hunting related public access is allowed from May 1 until September 30 of each year for activities such as hiking, backpacking, camping, wildlife observation, and bank fishing opportunities.
3. Project Operations (formerly titled Prohibited Access) – This classification includes Project lands reserved for current and potential future operational activities. This includes all Project lands used for hydroelectric generation, switchyards, transmission facilities, rights-of-way, security, and other operational uses. Alabama Power owns these lands in fee simple title. For security, the allowable uses in this classification are primarily restricted to Alabama Power personnel; however, in some cases, such as guided public tours, limited public access is available.
4. Natural/Undeveloped – Lands included in the Natural/Undeveloped classification include Project lands which will remain undeveloped for the following specific Project purposes:
    - protecting environmentally sensitive areas;
    - preserving natural aesthetic qualities;
    - serving as buffer zones around public recreation areas; and
    - preventing overcrowding of partially developed shoreline.

    This classification allows for public hiking trails, nature studies, primitive camping, wildlife management (excluding hunting), and normal forestry management practices. Alabama Power typically owns these Project lands in fee simple title and manages them for effective protection of associated resource values.

Additionally, Alabama Power is proposing to add the following land use classifications, the definitions of which will be finalized during the development of the SMP in Phase 2 of the Project Lands Evaluation Study:

1. "Commercial Recreation": This classification will include lands developed for commercial recreation purposes. Alabama Power's draft definition for the new land use classification is: "Lands containing existing concessionaire-operated public marinas and recreational areas that provide a wide variety of recreational services to the public on a fee basis. Structures on these lands are generally subject to approval by FERC."
2. "Flood Storage": This classification will include all lands located between the 793' mean sea level (msl) contour and the 795' msl contour, which are owned in fee simple by Alabama Power and are used for the project purpose of storing flood waters from time to time.
3. "Scenic Buffer Zone": This classification will include all lands located between the 795' msl contour and the 800' msl contour[2], which includes lands either owned by Alabama Power in fee simple or areas controlled by easement for the project purpose of protecting scenic and environmental values.

[2]Or, in specified areas not to the 800' msl, 50 horizontal feet from 793' msl, whichever is less, but never less than 795 feet msl.

4.0 BOBWHITE QUAIL HABITAT

As outlined in the FERC-approved study plan, Alabama Power evaluated acreage at Skyline to determine availability of suitable bobwhite quail habitat.

Bobwhite quail are adapted to habitats dominated by forbs (annual broad-leafed herbaceous plants) transitioning to native perennial bunchgrasses and scattered brush. They are found in abandoned weedy fields and open pinelands or savanna with extensive groundcover of forbs, native grasses, and scattered brush thickets (ADCNR 2020).

The Alabama Department of Conservation and Natural Resources (ADCNR) conducts spring/fall quail call surveys at approximately seven locations located at Skyline WMA and in the vicinity of (but not located within) the Skyline Project Boundary. From 2017 to 2019, ADCNR documented quail occurrences at all seven sites; however, in most instances only 1 to 2 males or a single covey was detected.

Alabama Power performed an evaluation to identify existing habitat sites within the Skyline Project Boundary, including a desktop assessment comparing contour lines of the seven ADCNR locations with contour lines on property within the Skyline Project Boundary as well as a site visit conducted on January 30, 2020. No suitable bobwhite quail habitat was identified within the Skyline Project Boundary.

5.0 FLAT ROCK BOTANICAL INVENTORY

Alabama Power is proposing to reclassify +/-57 acres of existing Project lands from Recreation to Natural/Undeveloped (illustrated as RC7 in Appendix B) due to the presence of the rare Blake's Ferry Pluton.

During the spring and fall 2019, Samford University conducted a botanical inventory of a 20-acre parcel at Flat Rock Park for the purposes of cataloguing all plants present at the rare Blake's Ferry Pluton located adjacent to Alabama Power's Flat Rock Park.

Information collected during this inventory includes a description of the biological setting, inventory dates and methods, results and conclusions (including a list of all species found in the study area and their conservation status), and an assessment of the biological significance or ecological quality of the project site in a local and regional context. Additionally, a GIS map of all state and federally listed species found in the study area is included. A copy of the Flat Rock Botanical Inventory report is included as Appendix C.

6.0 DISCUSSION AND CONCLUSION

6.1 PROPOSED CHANGES

During the Phase 1 evaluation, Alabama Power identified the following types of proposed changes:

1. Reclassifications: Reclassifications are proposed changes to the land use classification of existing Harris Project Lands. These proposed changes do not modify the current Project Boundary but merely reclassify the Project lands to a more appropriate classification.
2. Removals: Removals are proposed changes to existing Project Lands where Alabama Power proposes to remove lands from the Project Boundary. These proposed changes will result in a change to the Project Boundary. However, only that portion of the property located above the 800' msl contour will be removed. The property located within the 800' msl contour will be reclassified as discussed in Section 5.2 above.
3. Additions: Additions are proposed changes to the existing Project Boundary where Alabama Power proposes to add lands. These proposed changes will result in a change to the Project Boundary. Additionally, the portions of the property located below the 800' msl contour will be reclassified to match the classification of the added property.

The acreage totals of the baseline (i.e., existing condition) and Alabama Power's proposal are provided in Table 6-1. Additionally, maps and supporting information by tract are provided in Appendix B. As results from other phase 1 studies are finalized and as the SMP and WMP are prepared, Alabama Power's Project lands proposal may change.

TABLE 6-1 SUMMARY OF PROPOSED LAND CHANGES IN ACRES BY CLASSIFICATION[3]

Classification	Baseline (ac)	Proposed (ac)	Difference
Natural/Undeveloped (including islands)	2,440	2,790	350
Hunting (near reservoir)	2,707	2,910	203
Skyline	15,063	15,063	0
Recreation	874[4]	274	-600
Commercial Recreation	0	150	150
Prohibited Access	312	307	-5
Flood Storage	262	264	2
Scenic Buffer Zone	737	745	8
Total	**22,395**	**22,503**	**108**

Source: Alabama Power 2019
Key: ac acre

[3] This table has been updated since the September 11, 2019 HAT 4 meeting based upon mapping errors discovered following the meeting (See RC7 below).
[4] Includes lands currently subclassified as Quasi-Public; as discussed in Section 3.2, Alabama Power is not proposing to continue subclassifications of Recreation.

7.0 REFERENCES

Alabama Department of Conservation and Natural Resources (ADCNR). 2016. Wildlife Management Areas. Available at: http://www.outdooralabama.com/wildlife-management-areas. Accessed November 2016.

Alabama Department of Conservation and Natural Resources (ADCNR). 2020. Northern Bobwhite. Available at: https://www.outdooralabama.com/grouse-turkeys-and-quail/northern-bobwhite. Accessed March 2020.

Alabama Power Company. 2008. 1995 Land Use Plan for the R.L. Harris Project (Revised 2008) submitted to the Federal Energy Regulatory Commission by Alabama Power Company, on June 30, 2008. Alabama Power Company, Birmingham, AL.

Alabama Power Company. 2018. Pre-Application Document for the Harris Hydroelectric Project (FERC No. 2628). Alabama Power Company, Birmingham, AL.

APPENDIX A

ACRONYMS AND ABBREVIATIONS

ACRONYMS AND ABBREVIATIONS

A

A&I	Agricultural and Industrial
ACFWRU	Alabama Cooperative Fish and Wildlife Research Unit
ACF	Apalachicola-Chattahoochee-Flint (River Basin)
ACT	Alabama-Coosa-Tallapoosa (River Basin)
ADCNR	Alabama Department of Conservation and Natural Resources
ADECA	Alabama Department of Economic and Community Affairs
ADEM	Alabama Department of Environmental Management
ADROP	Alabama-ACT Drought Response Operations Plan
AHC	Alabama Historical Commission
Alabama Power	Alabama Power Company
AMP	Adaptive Management Plan
ALNHP	Alabama Natural Heritage Program
APE	Area of Potential Effects
ARA	Alabama Rivers Alliance
ASSF	Alabama State Site File
ATV	All-Terrain Vehicle
AWIC	Alabama Water Improvement Commission
AWW	Alabama Water Watch

B

BA	Biological Assessment
B.A.S.S.	Bass Anglers Sportsmen Society
BCC	Birds of Conservation Concern
BLM	U.S. Bureau of Land Management
BOD	Biological Oxygen Demand

C

°C	Degrees Celsius or Centrigrade
CEII	Critical Energy Infrastructure Information
CFR	Code of Federal Regulation
cfs	Cubic Feet per Second
cfu	Colony Forming Unit
CLEAR	Community Livability for the East Alabama Region
CPUE	Catch-per-unit-effort
CWA	Clean Water Act

D

DEM	Digital Elevation Model
DIL	Drought Intensity Level
DO	Dissolved Oxygen
dsf	day-second-feet

E

EAP	Emergency Action Plan
ECOS	Environmental Conservation Online System
EFDC	Environmental Fluid Dynamics Code
EFH	Essential Fish Habitat
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act

F

°F	Degrees Fahrenheit
ft	Feet
F&W	Fish and Wildlife
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FNU	Formazin Nephelometric Unit
FOIA	Freedom of Information Act
FPA	Federal Power Act

G

GCN	Greatest Conservation Need
GIS	Geographic Information System
GNSS	Global Navigation Satellite System
GPS	Global Positioning Systems
GSA	Geological Survey of Alabama

H

Harris Project	R.L. Harris Hydroelectric Project
HAT	Harris Action Team
HEC	Hydrologic Engineering Center
HEC-DSSVue	HEC-Data Storage System and Viewer
HEC-FFA	HEC-Flood Frequency Analysis
HEC-RAS	HEC-River Analysis System
HEC-ResSim	HEC-Reservoir System Simulation Model
HEC-SSP	HEC-Statistical Software Package

HDSS	High Definition Stream Survey
hp	Horsepower
HPMP	Historic Properties Management Plan
HPUE	Harvest-per-unit-effort
HSB	Horseshoe Bend National Military Park

I

IBI	Index of Biological Integrity
IDP	Inadvertent Discovery Plan
IIC	Intercompany Interchange Contract
IVM	Integrated Vegetation Management
ILP	Integrated Licensing Process
IPaC	Information Planning and Conservation
ISR	Initial Study Report

J

JTU	Jackson Turbidity Units

K

kV	Kilovolt
kva	Kilovolt-amp
kHz	Kilohertz

L

LIDAR	Light Detection and Ranging
LWF	Limited Warm-water Fishery
LWPOA	Lake Wedowee Property Owners' Association

M

m	Meter
m^3	Cubic Meter
M&I	Municipal and Industrial
mg/L	Milligrams per liter
ml	Milliliter
mgd	Million Gallons per Day
µg/L	Microgram per liter
µs/cm	Microsiemens per centimeter
mi^2	Square Miles
MOU	Memorandum of Understanding

MPN	Most Probable Number
MRLC	Multi-Resolution Land Characteristics
msl	Mean Sea Level
MW	Megawatt
MWh	Megawatt Hour

N

n	Number of Samples
NEPA	National Environmental Policy Act
NGO	Non-governmental Organization
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NOAA	National Oceanographic and Atmospheric Administration
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NTU	Nephelometric Turbidity Unit
NWI	National Wetlands Inventory

O

OAR	Office of Archaeological Resources
OAW	Outstanding Alabama Water
ORV	Off-road Vehicle
OWR	Office of Water Resources

P

PA	Programmatic Agreement
PAD	Pre-Application Document
PDF	Portable Document Format
pH	Potential of Hydrogen
PID	Preliminary Information Document
PLP	Preliminary Licensing Proposal
Project	R.L. Harris Hydroelectric Project
PUB	Palustrine Unconsolidated Bottom
PURPA	Public Utility Regulatory Policies Act
PWC	Personal Watercraft
PWS	Public Water Supply

Q

QA/QC	Quality Assurance/Quality Control

R

RM	River Mile
RTE	Rare, Threatened and Endangered
RV	Recreational Vehicle

S

S	Swimming
SCORP	State Comprehensive Outdoor Recreation Plan
SCP	Shoreline Compliance Program
SD1	Scoping Document 1
SH	Shellfish Harvesting
SHPO	State Historic Preservation Office
Skyline WMA	James D. Martin-Skyline Wildlife Management Area
SMP	Shoreline Management Plan
SU	Standard Units

T

T&E	Threatened and Endangered
TCP	Traditional Cultural Properties
TMDL	Total Maximum Daily Load
TNC	The Nature Conservancy
TRB	Tallapoosa River Basin
TSI	Trophic State Index
TSS	Total Suspended Soils
TVA	Tennessee Valley Authority

U

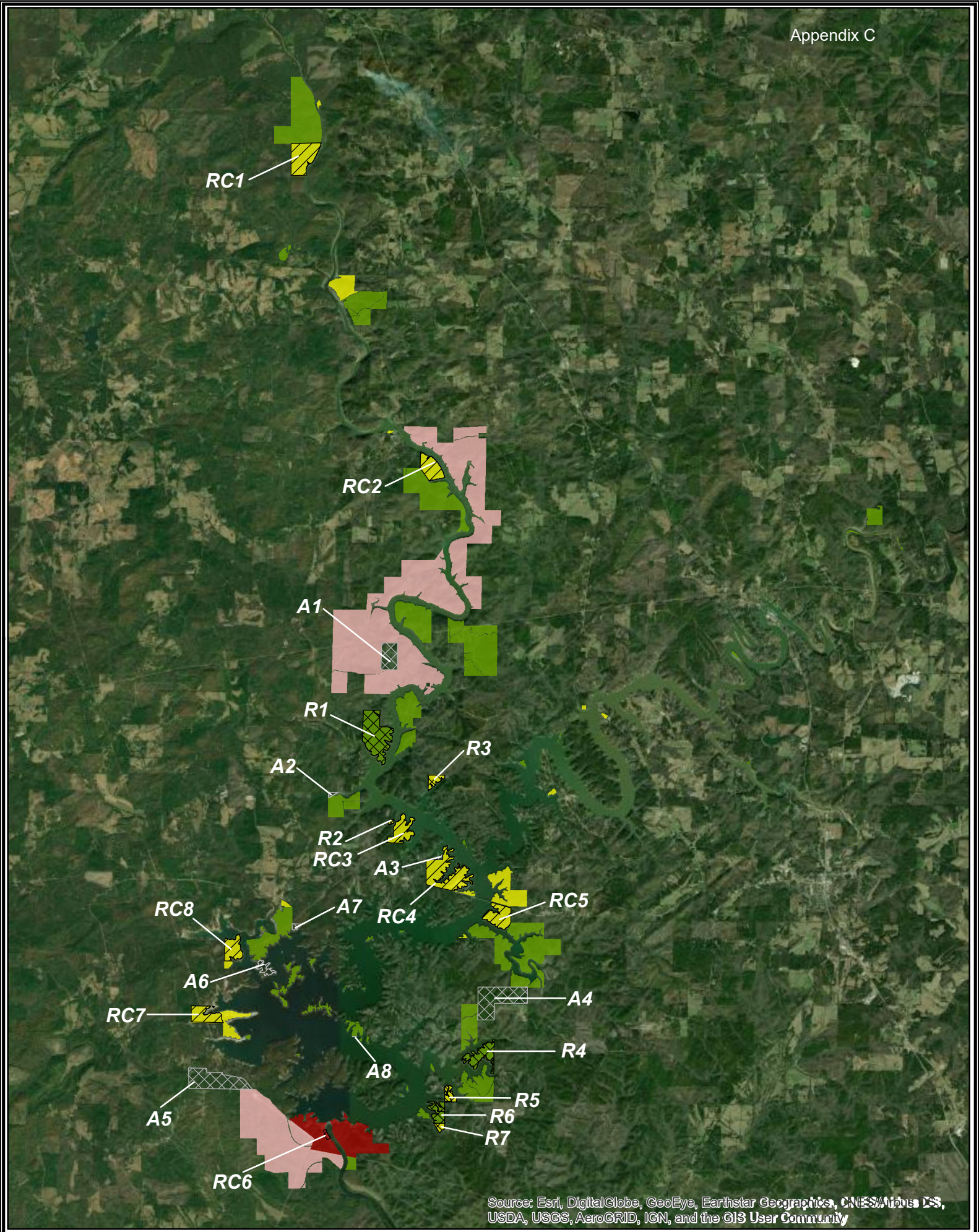
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey
USACE	U.S. Army Corps of Engineers
USFWS	U.S. Fish and Wildlife Service

W

WCM	Water Control Manual
WMA	Wildlife Management Area
WMP	Wildlife Management Plan
WQC	Water Quality Certification

APPENDIX B

MAPS AND SUPPORTING INFORMATION OF PROPOSED CHANGES



HARRIS DAM RELICENSING
Alabama Power

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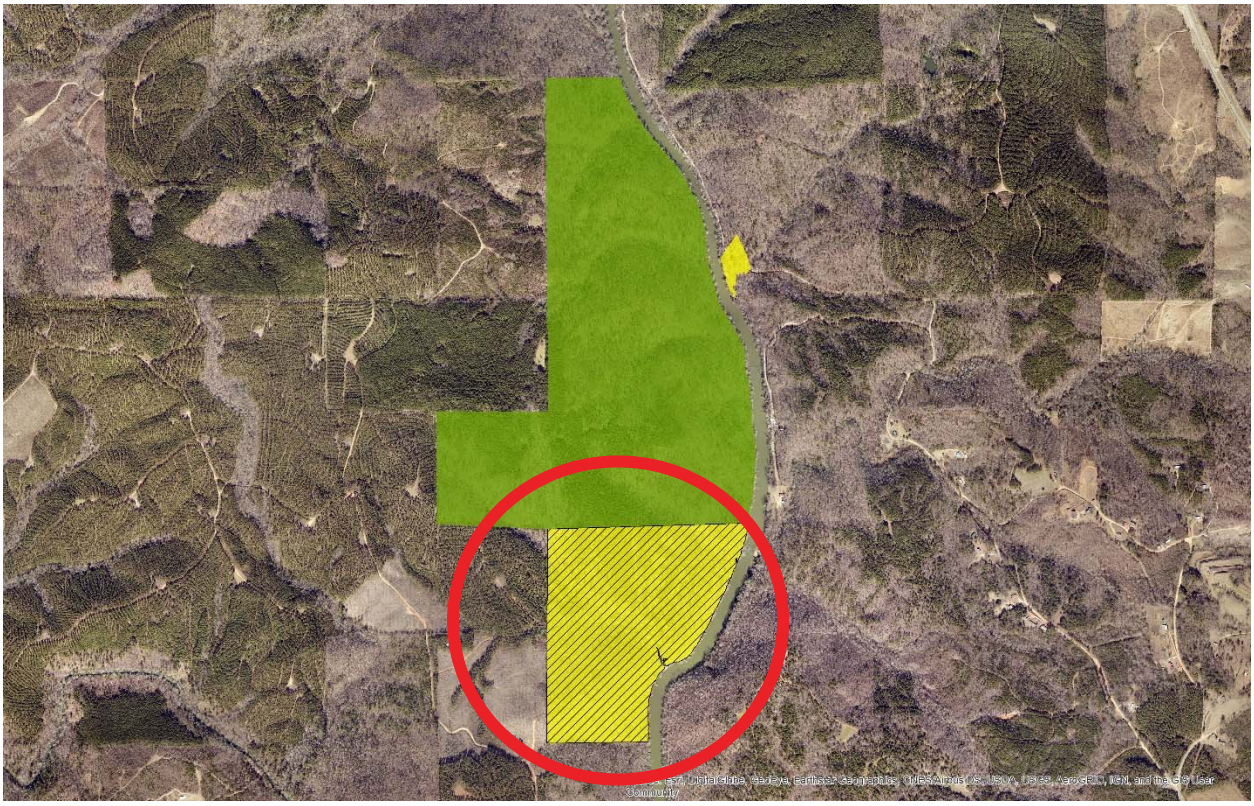
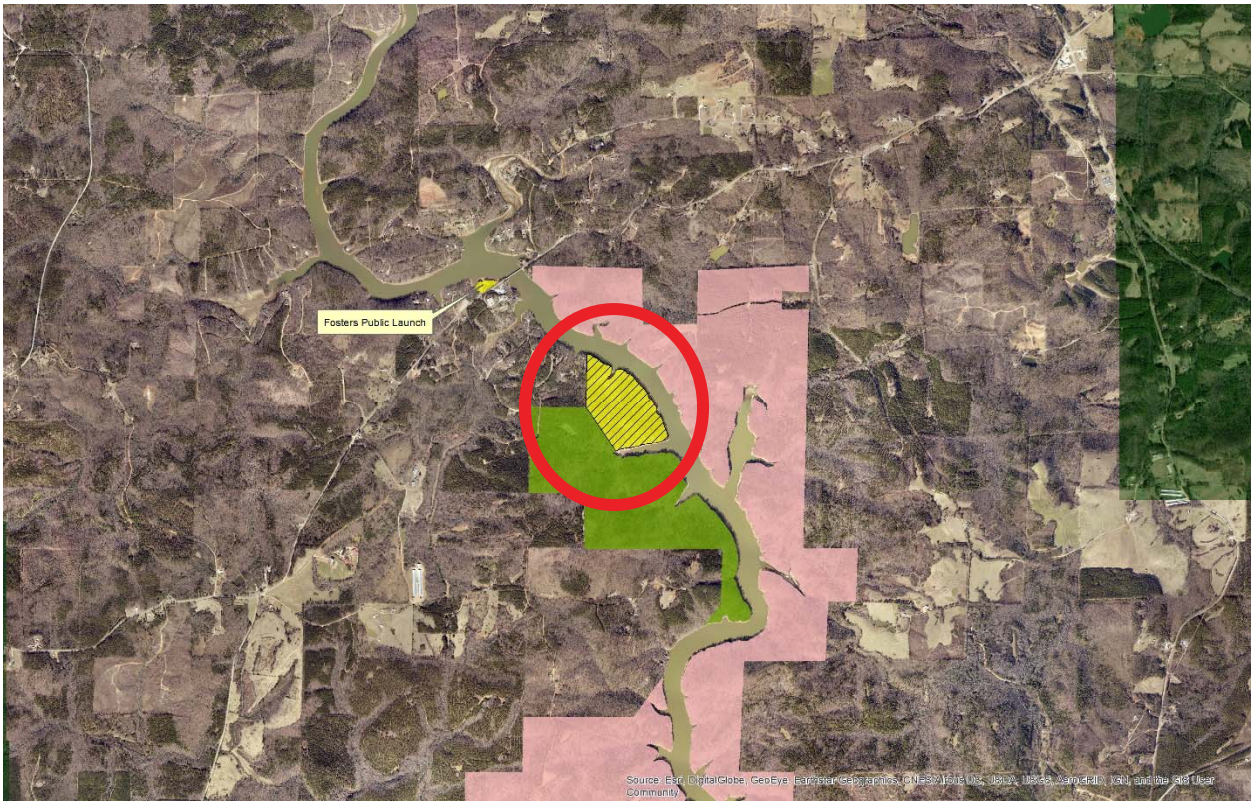


RC1 – Reclassify from Recreation to Natural/Undeveloped + /- 105 acres

- Currently classified as Recreation for the purpose of developing a future park site.
- Analysis revealed that this property is difficult to access and located within area of lake with limited demand for public recreation opportunities.
- Reclassification to Natural/Undeveloped provides consistency of land use and will aid in the protection of the adjacent Natural/Undeveloped Project lands



RC2 – Reclassify from Recreation to Natural/Undeveloped + /- 63 acres

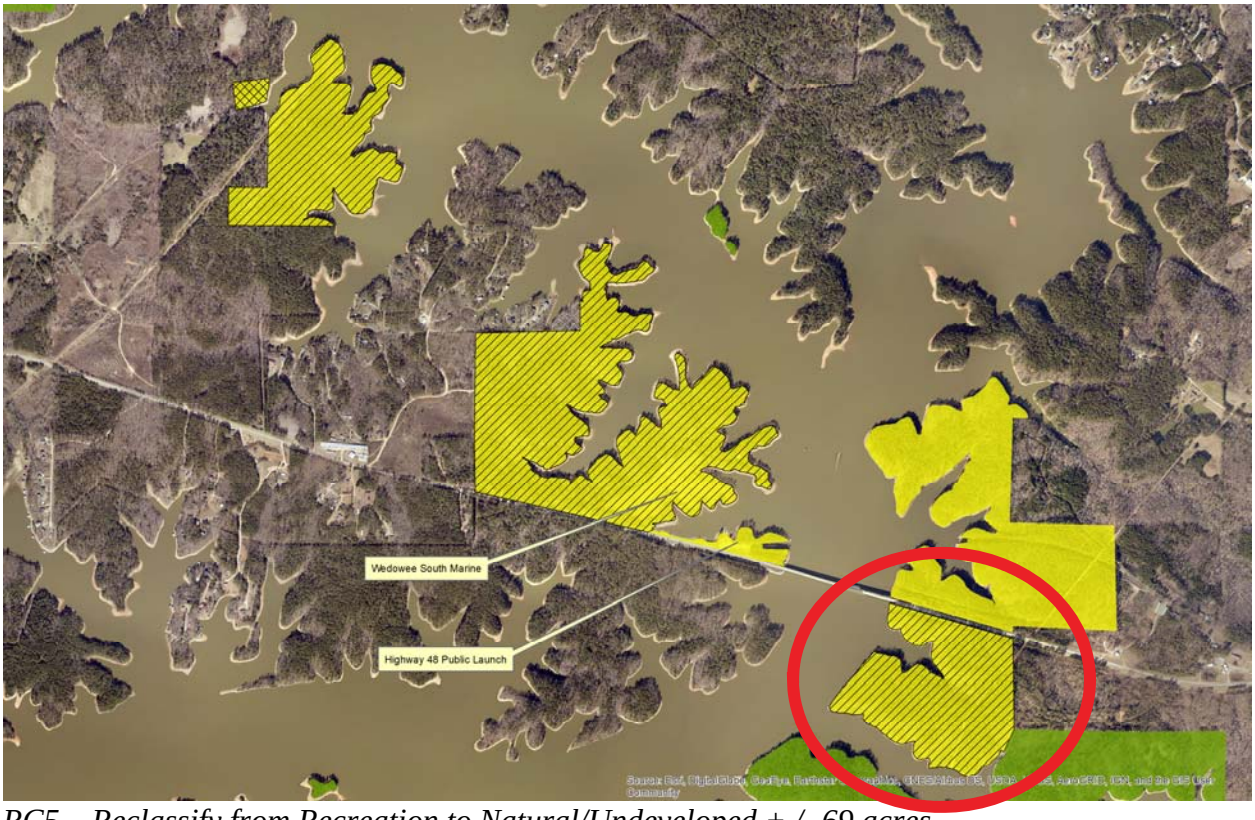
- Currently classified as Recreation for the purpose of developing a future park site.
- Analysis revealed that this property is difficult to access and located within area of lake with limited demand for additional public recreation opportunities.
- Reclassification to Natural/Undeveloped provides consistency of land use and will aid in the protection of the adjacent Natural/Undeveloped Project lands

RC3 – Reclassify from Recreation to Natural/Undeveloped + /- 61 acres

- Added to the Project as Recreation during the 1995 Land Use Plan update
- Analysis revealed that this property is located just upstream of existing Recreation lands that are better located for public access
- Reclassification to Natural/Undeveloped will aid in the maintenance of the natural aesthetics of the area

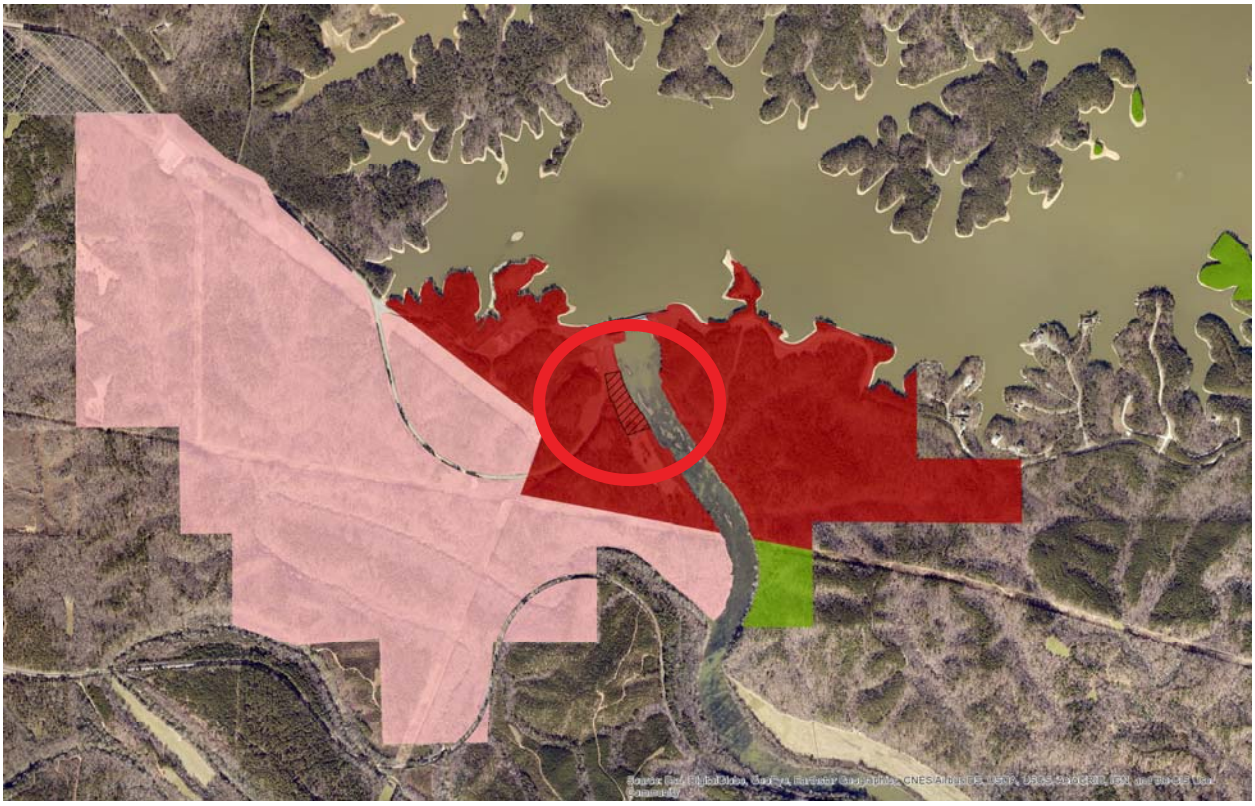
RC4 – Reclassify from Recreation to Commercial Recreation + /- 148 acres

- During relicensing meetings, stakeholders have expressed interest in additional recreation sites similar to Flat Rock Park that are located "closer to town" (i.e., Wedowee) and, thus, easier to access.
- Alabama Power's shoreline office is located on this tract; a portion of this tract is currently leased to Wedowee Marine South.
- Alabama Power has received previous inquiries regarding a campground in this area.



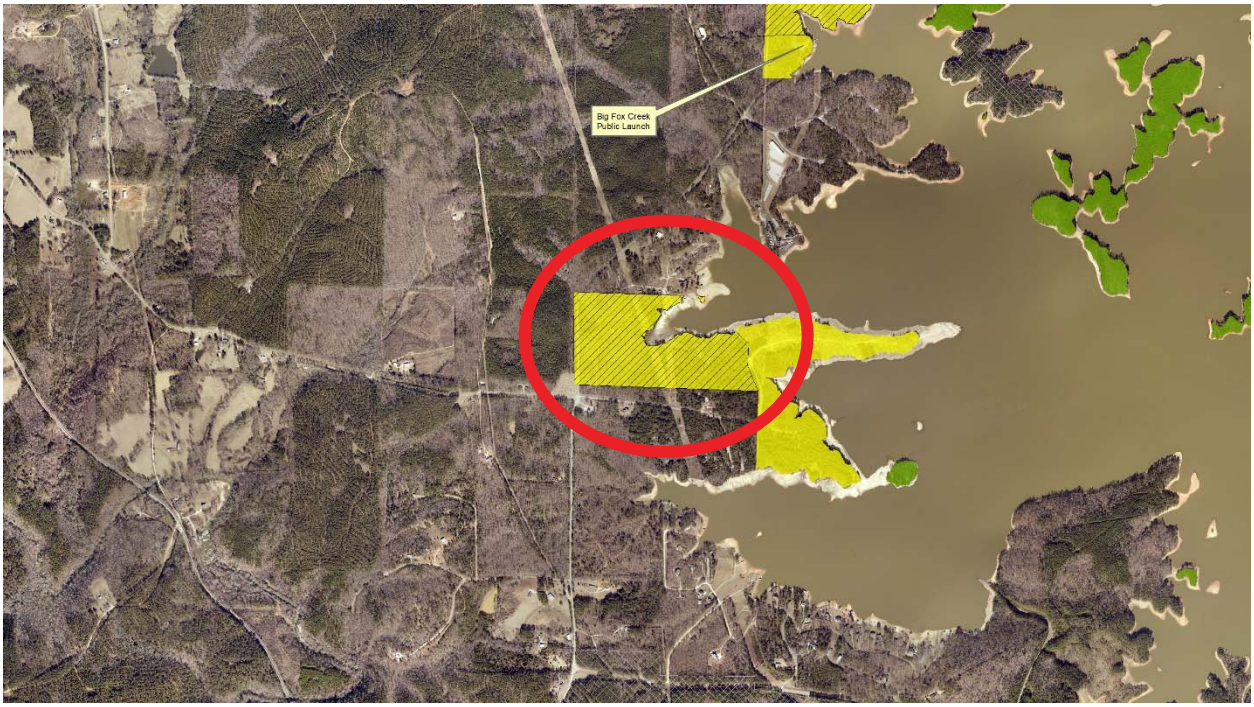
RC5 – Reclassify from Recreation to Natural/Undeveloped + /- 69 acres

- Added to the Project as Recreation during the 1995 Land Use Plan update
- Analysis revealed that this property is not suitable for public recreation due to steep terrain of tract causing difficulty accessing the water
- Reclassification to Natural/Undeveloped provides consistency of land use and will aid in the protection of the adjacent Natural/Undeveloped Project lands



RC6 – Reclassify to Recreation + /- 5 acres

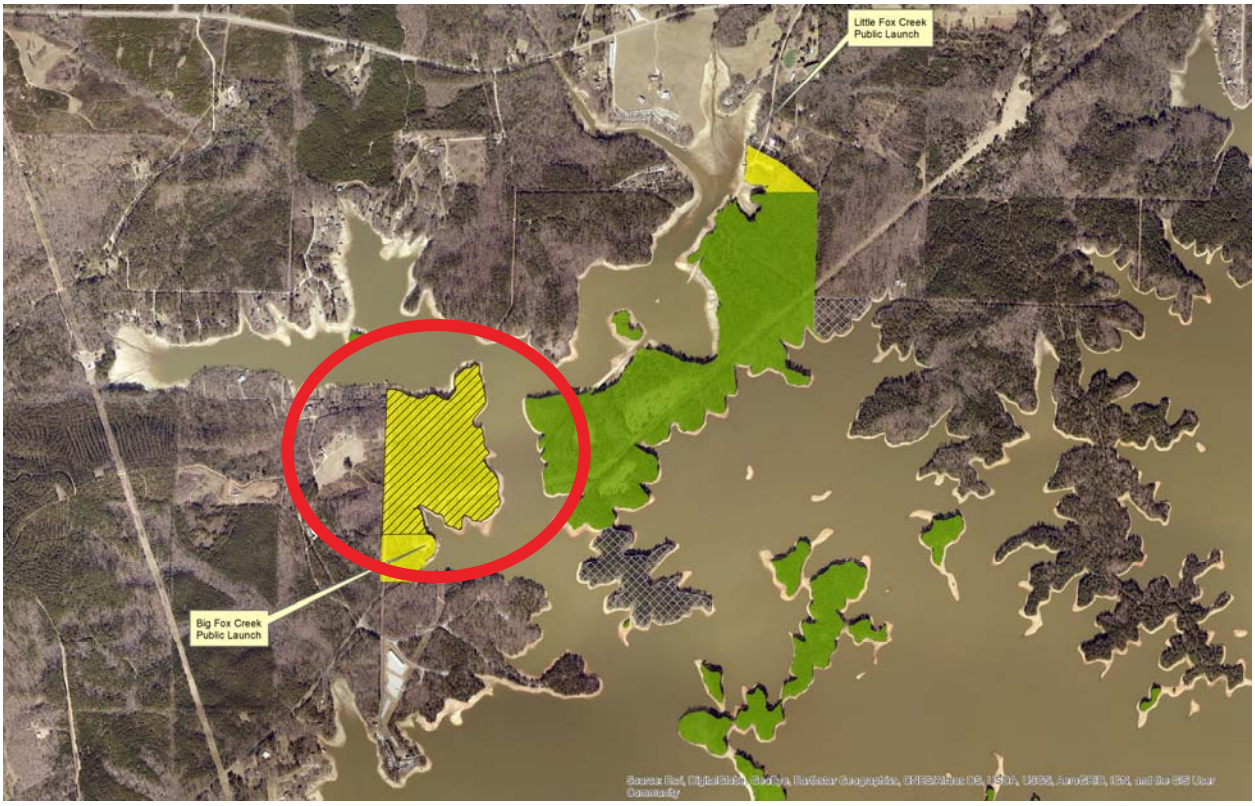
- Location of existing tailrace fishing recreation site



RC7[1] – Reclassify from Recreation to Natural/Undeveloped + /- 57 acres

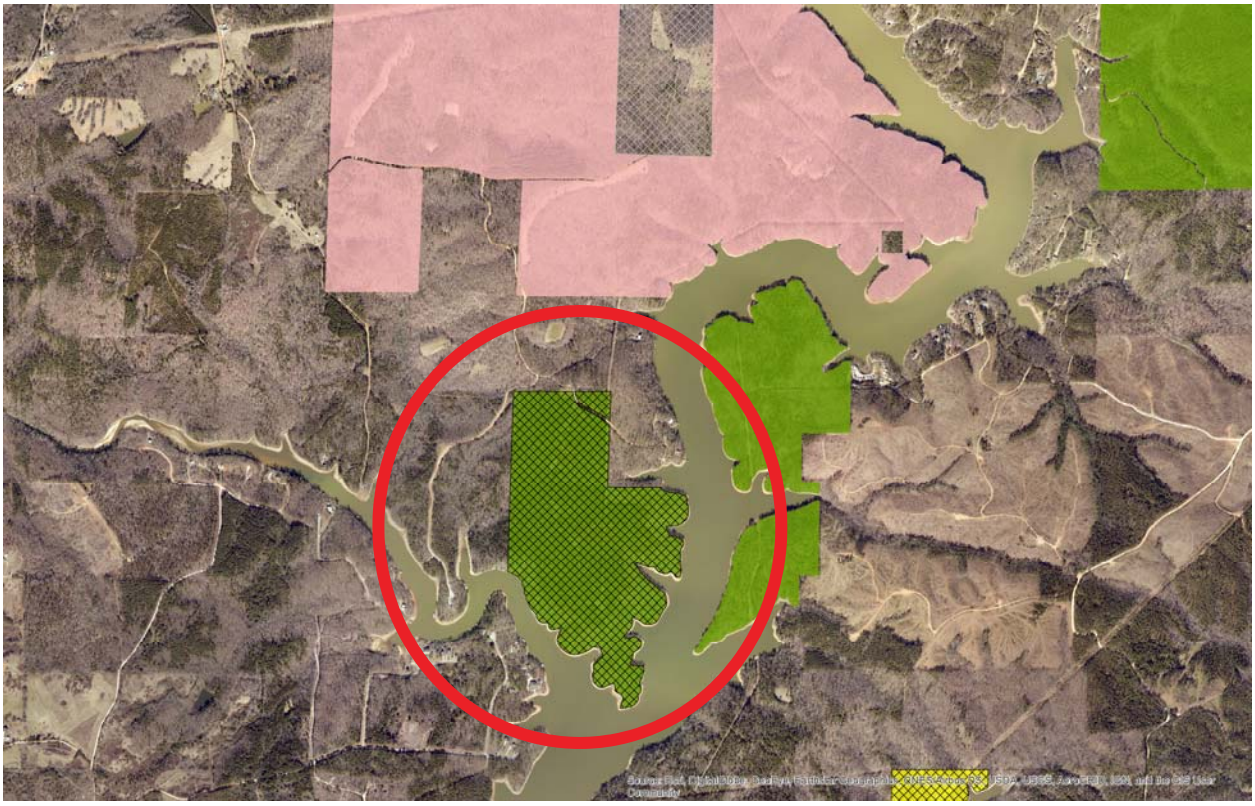
- Area is not currently used for recreation purposes and is separated by forested land; not designated for future expansion due to proximity of the transmission line corridor and adjacent private development
- Reclassify based upon results of the Flat Rock Botanical Inventory discussed in Section 6.0 of the Phase 1 Project Lands Study Report.
- Reclassify remaining acreage located to the west of the Flat Rock Botanical Inventory area to provide continuity of land use and aid in the protection of the adjacent Natural/Undeveloped Project lands

[1] The information presented at the September 11, 2019 HAT 4 meeting stated this reclassification totaled 40 acres. However, following the meeting, a mapping error of the area included within the botanical survey was discovered. Therefore, the acreage and map provided in this report does not match the information presented at the HAT 4 meeting but rather correctly states the proposed reclassification.



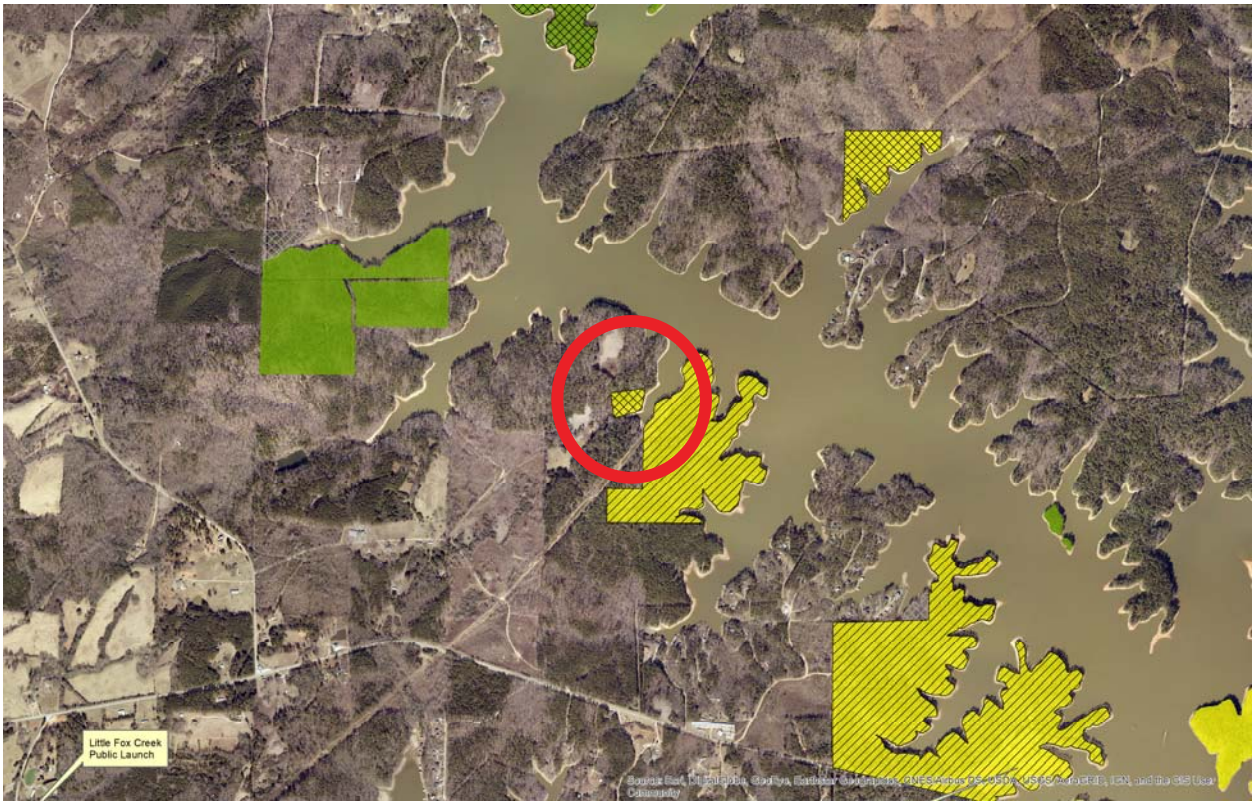
RC8 – Reclassify from Recreation to Natural/Undeveloped + /- 50 acres

- Large tract of land was included within the original Project Boundary for the purpose of constructing a public recreation site within this area; location of the existing Big Fox Creek Public Launch was determined to be the best location for the now constructed public launch; southern portion of the large, which encompasses Big Fox Creek Public Launch, will remain classified as Recreation and includes adequate acreage for current and future needs; remainder of the tract was determined no longer needed for Recreation purposes
- Reclassification to Natural/Undeveloped will aid in the maintenance of natural aesthetics and will serve as a buffer zone around the existing public recreation area



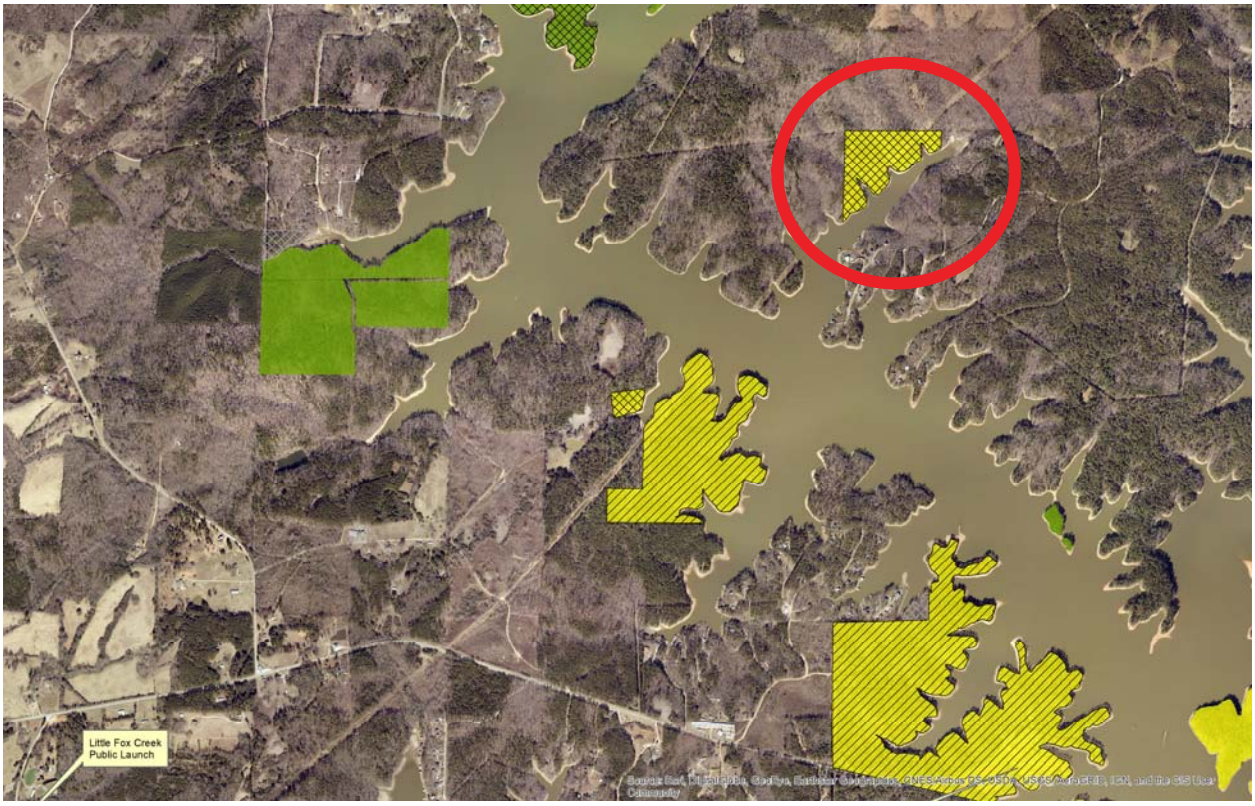
R1 – Remove + /- 149 acres of Natural Undeveloped

- Improved road on the north for access to existing development to the east/northeast of this tract
- Not suitable for hunting lands due to its proximity to non-project (private) development.
- Not suitable for recreation due to limited access and location within area of lake with limited demand for public recreation opportunities



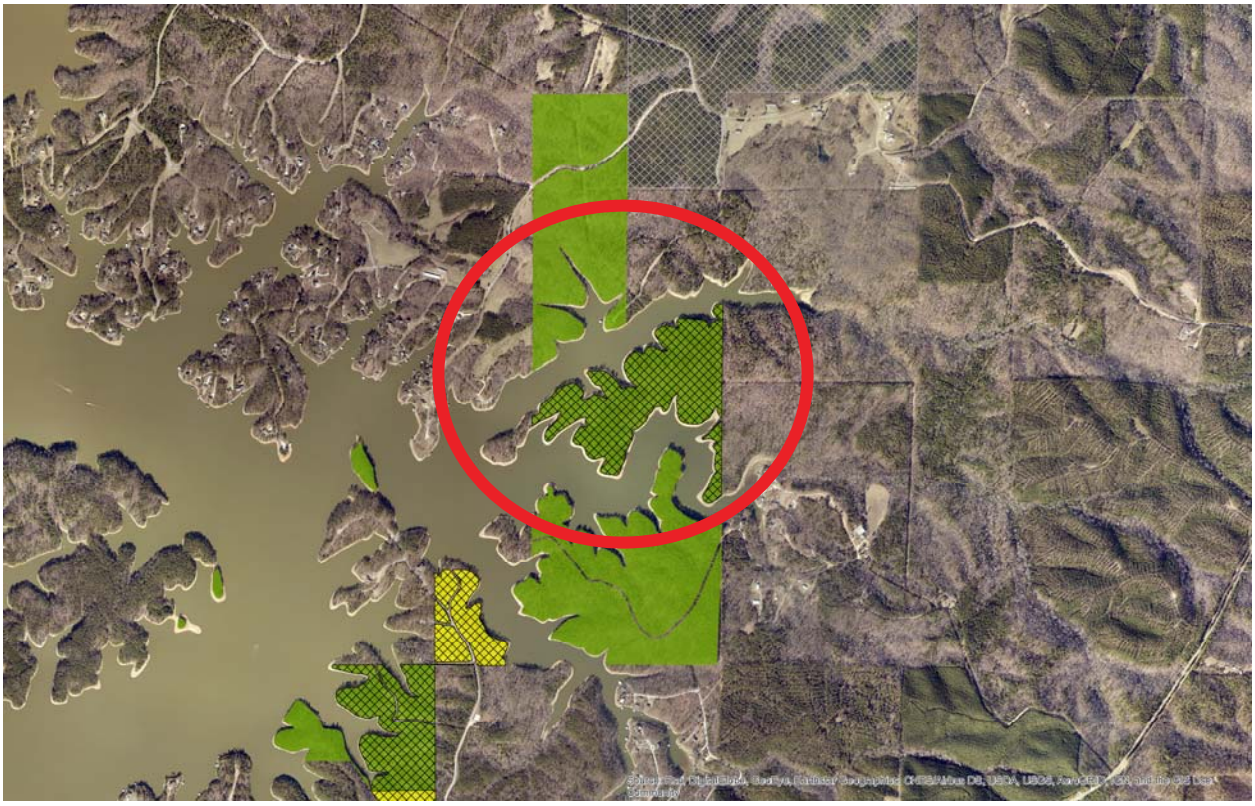
R2 – Remove + /- 3 acres of Recreation

- Included as part of the original Project Boundary as Recreation because located at an old road end
- Small tract; not adjacent to existing Project lands or proposed additions to Project lands
- Not suitable for hunting lands due to its small size
- Not suitable for recreation due location within a slough and location within area of lake with limited demand for public recreation opportunities
- Not suitable for natural/undeveloped due to proximity to proposed future developments



R3 – Remove + /- 20 acres of Recreation

- Added to the Project Boundary as Natural Undeveloped during 1995 Land Use Plan update for use by the Boy Scouts; use never transpired due to limited access
- Not suitable for recreation due to its location within area of lake with limited demand for public recreation opportunities
- Not suitable for hunting due to small size and not located adjacent to existing Project lands
- Not suitable for natural/undeveloped due to proximity to proposed future developments

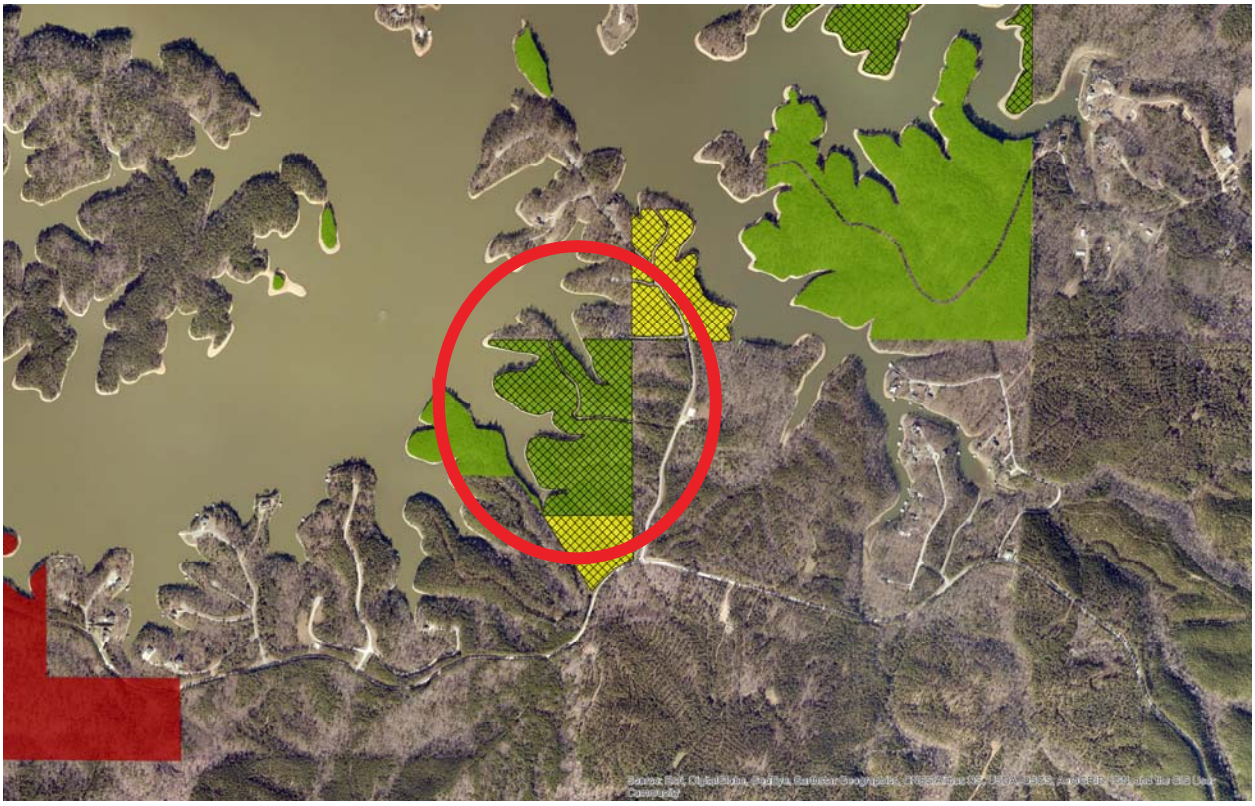


R4 – Remove + /- 61 acres of Natural Undeveloped

- Tip of peninsula is privately owned
- Not suitable for natural/undeveloped due to proposed future development of privately-owned tip, which will result in the need to cross Project lands with access roads and utilities
- Not suitable for recreation due to its location within area of lake with limited demand for public recreation opportunities
- Not suitable for hunting due to shape of tract and proximity to private development

R5 – Remove + /- 19 acres of Recreation

- Land locks privately-owned tracts with Project Boundary; history of issues concerning granted access for private development
- Not suitable for natural/undeveloped due to proximity to private development of peninsula, which has (and will continue to) result in the need to cross Project lands with access roads and utilities
- Not suitable for recreation due to its location within area of lake with limited demand for public recreation opportunities
- Not suitable for hunting due to due to its small size and proximity to private development

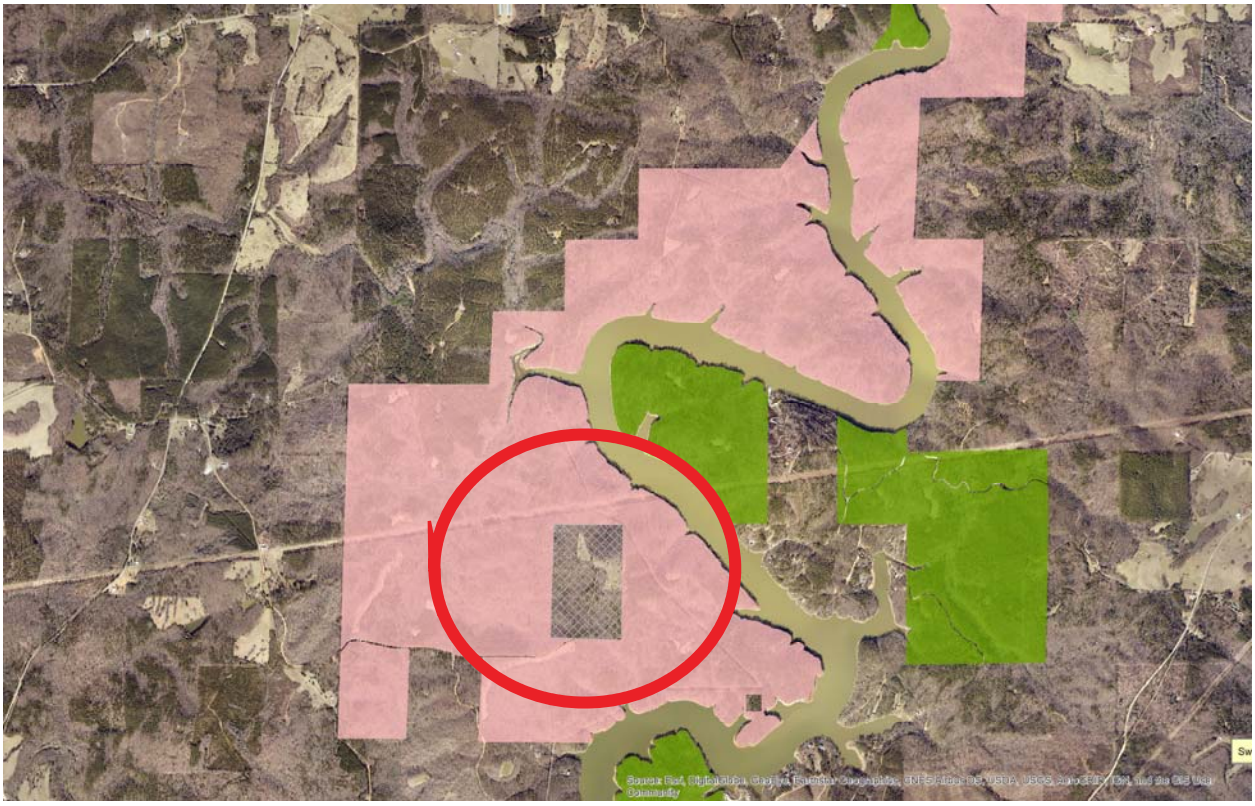


R6 – Remove + /- 37 acres of Natural/Undeveloped

- Land locks privately-owned tracts with Project Boundary; history of issues concerning granted access for private development.
- Not suitable for natural/undeveloped due to proximity to private development of peninsula, which has (and will continue to) result in the need to cross Project lands with access roads and utilities
- Not suitable for recreation due to its location within area of lake with limited demand for public recreation opportunities
- Not suitable for hunting due to due to proximity to private development

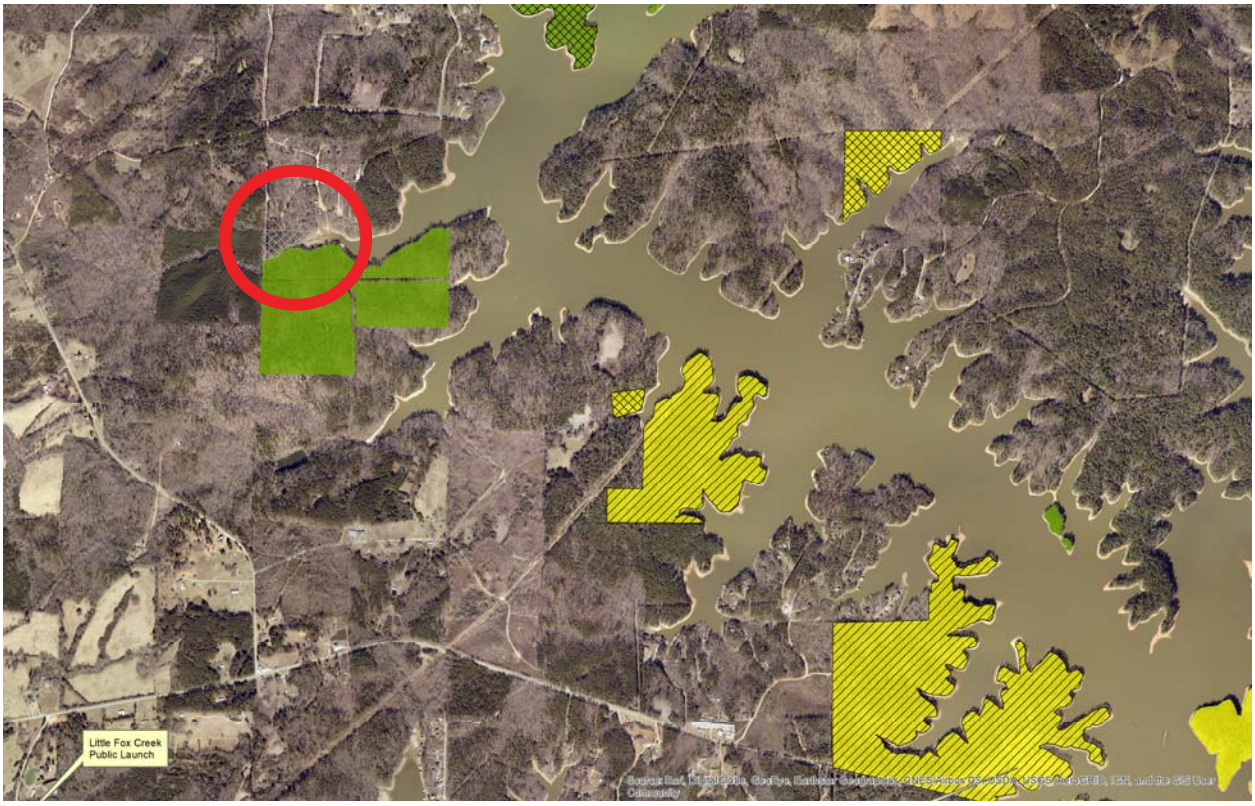
R7 – Remove + /- 9 acres of Recreation

- Part of the original Project Boundary as recreation for future development of an overlook
- Adjacent to another Project lands tract that land locks privately-owned tracts with Project Boundary; proposing to also remove adjacent project lands
- Not suitable for natural/undeveloped due to proximity to private development
- Not suitable for recreation due to its location within area of lake with limited demand for public recreation opportunities; property is not located on shoreline
- Not suitable for hunting due to due to its small size and proximity to private development



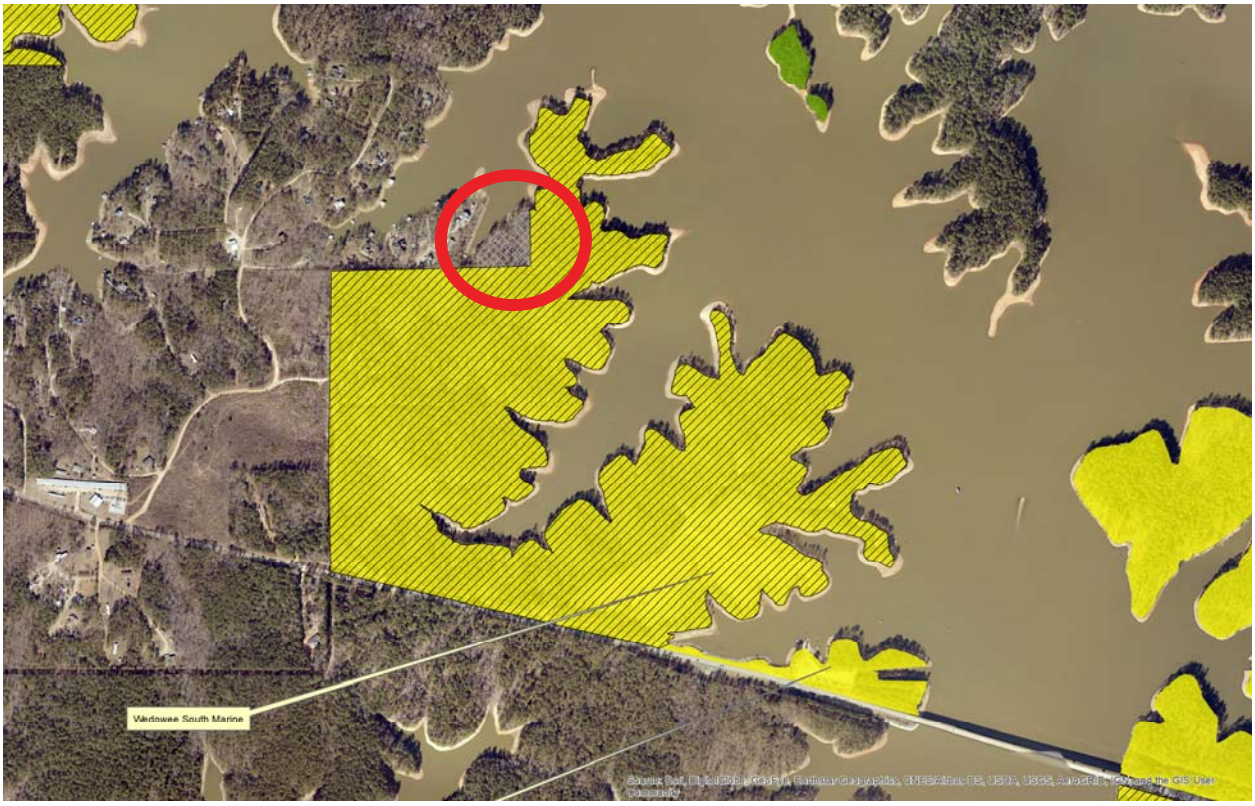
A1 – Add + /- 64 acres as Hunting Lands

- Property fills a “donut hole” within current Project lands classified as Hunting



A2 – Add + /- 4 acres as Natural/Undeveloped lands

- Small tract adjacent to existing Project lands classified as Natural/Undeveloped
- Adding tract provides consistency of land use and will aid in the protection of the adjacent Natural/Undeveloped Project lands

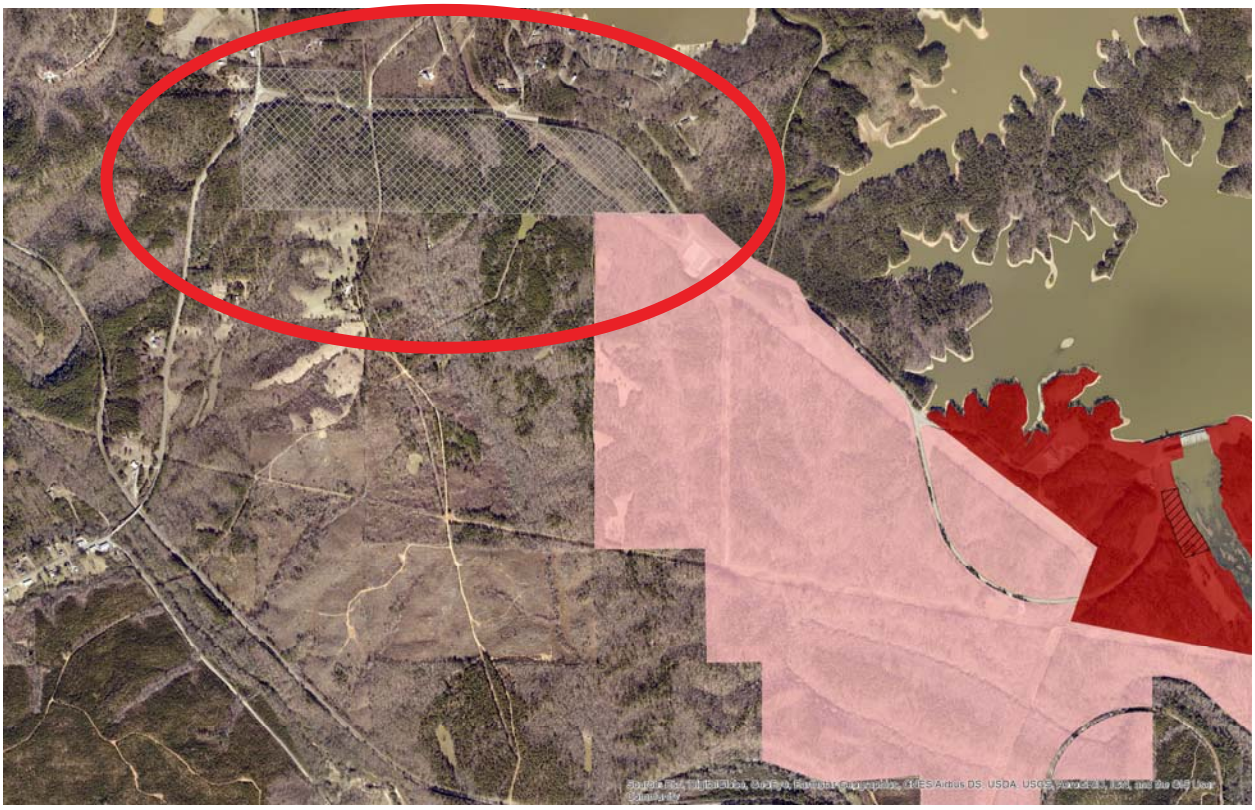


A3 – Add + /- 2 acres as Commercial Recreation lands

- Small tract adjacent to large tract currently classified as Recreation; adjacent tract is large tract on which the shoreline office and Wedowee Marine South are located
- Adjacent 147.94-acre tract is proposed to be reclassified to Commercial Recreation
- Adding tract provides consistency of land use and additional acreage (with shoreline) to be used as commercial recreation

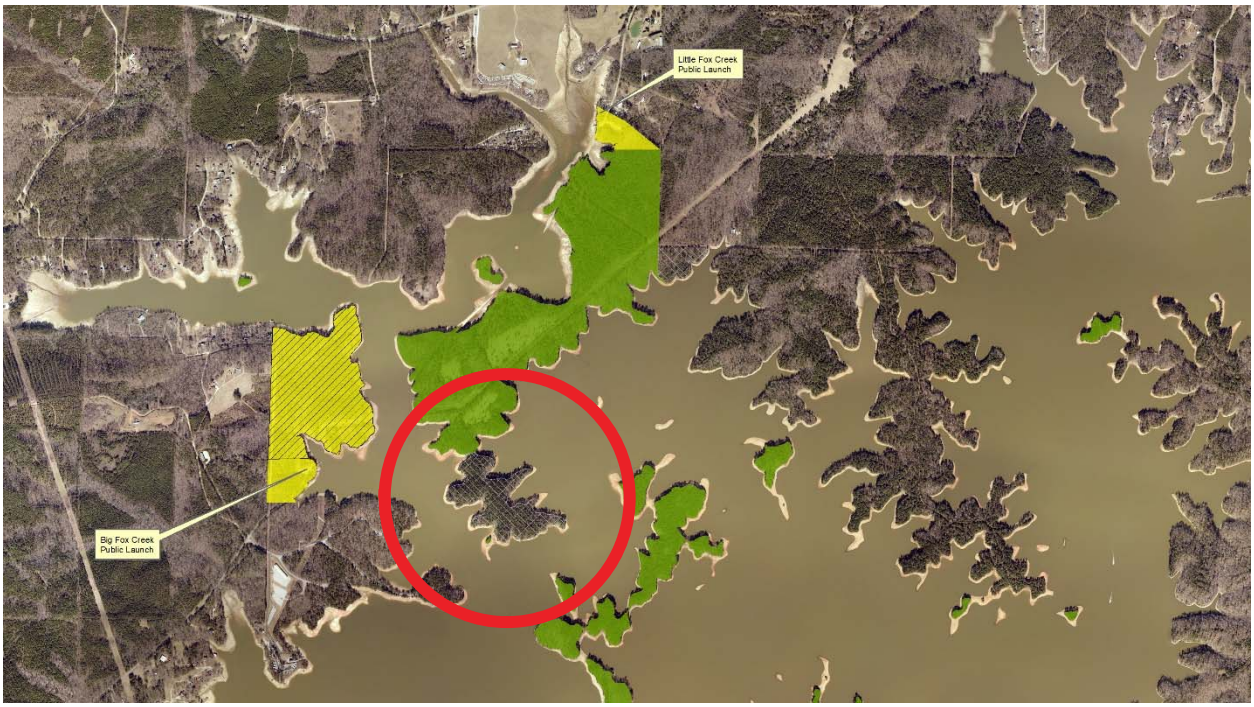
A4 – Add + /- 160 acres as Natural/Undeveloped lands

- Bordered by Natural/Undeveloped Project lands to the north and to the south
- Adding tract provides consistency of land use and will aid in the protection of the adjacent Natural/Undeveloped Project lands



A5 – Add + /- 157 acres as Hunting lands

- Adjacent to existing Project lands classified as Hunting, which are designated specifically as hunting lands for the disabled
- Adding tract will provide acreage for future expansion of the disabled hunting area if needed



A6 – Add + /- 14 acres as Natural/Undeveloped lands

- Adjacent to existing Project lands classified as Natural/Undeveloped; adjacent Project lands include birding trail extending from Little Fox Creek public recreation site
- Adding tract provides consistency of land use and additional acreage for future expansion of birding trail

A7 – Add + /- 6 acres as Natural/Undeveloped lands

- Adjacent to existing project lands classified as natural/undeveloped
- Adding tract provides consistency of land use and will aid in the protection of the adjacent Natural/Undeveloped Project lands

A8 – Add + /- 0.25 acres as Natural/Undeveloped lands

- Two small tips of a peninsula; adjacent portion of peninsula is currently within the Project Boundary and classified as Natural Undeveloped
- Adding tracts provides consistency of land use and will aid in the protection of the adjacent Natural/Undeveloped Project lands

APPENDIX C

FLAT ROCK BOTANICAL INVENTORY REPORT

A BOTANICAL INVENTORY OF A 20-ACRE PARCEL AT FLAT ROCK PARK, BLAKE'S FERRY, ALABAMA

A report prepared for

ALABAMA POWER COMPANY

by

James T. Diggs, Daniel D. Spaulding, Katie N. Horton, David M. Frings

In partial fulfillment of contract# 09-4050-M-SCS

February 18, 2020

Introduction

This botanical inventory, begun in March 2019, was undertaken to catalogue all plants present at a 20-acre parcel at the rare Blake's Ferry Pluton, located adjacent to Alabama Power Company's (Alabama Power) Flat Rock Park (Flat Rock) on Lake Harris at 7115 CR 870 Wedowee, AL 36278. The area of the botanical inventory (Inventory Area) is delineated in Figure 1.

This granite pluton supports a unique assemblage of plants and represents a very rare, rapidly disappearing ecosystem type endemic to the eastern United States. This botanical inventory is intended to support the Alabama Glade Conservation Coalition's August 28, 2018 request to reclassify this 20-acre parcel of Flat Rock Park from "Recreational" to "Natural/Undeveloped", affording the natural plant and animal community at this location protection from potential future degradation.

The inventory area consists approximately 20 acres of woodland and granite "flat rock" habitat adjacent to the popular Flat Rock recreational area on Lake Harris. The Inventory Area is separated from Flat Rock by forested land and because of this, remains largely unaffected by the large numbers of visitors to Flat Rock. The authors of this report completed a botanical inventory at the Inventory Area to support the proposed change in land use designation.

The field team of botanists (Diggs, Spaulding, and Horton) began this inventory in March, 2019, and visited the site at least monthly throughout the growing season, with the final field day occurring on September 29, 2019. During each visit, we walked the entire 20-acre property, paying careful attention to specialized habitats on the parcel that were likely to harbor additional or more specialized species (wetlands, granite glades, rich woodlands, grasslands, etc.) All plant species were identified either in the field, or in cases where identification was more difficult, a voucher specimen was taken for later identification in the laboratory. All vouchers are housed at the Anniston Museum of Natural History, Anniston, Alabama (AMAL, Daniel D. Spaulding, curator). All identifications were made *sensu* Weakley (2015)[1], and all nomenclature was checked against the Alabama Plant Atlas[2].

In all, 365 species of plants were documented from the Inventory Area and surrounding buffer areas. These 365 species represent 97 plant families. The inventory team documented 1 species which had never been documented in the state of Alabama (denoted as "state record" within the comments of Table 2), and 67 species which had never been documented in Randolph County (denoted as "county record" within the comments of Table 2). These results are presented in Table 2. Several of these species are of federal and/or state conservation concern. These species

[1] Weakley, A.S. 2015. Flora of the southern and mid-Atlantic states, working draft of May 2015. University of North Carolina Herbarium, North Carolina Botanical Garden, Chapel Hill, NC.
[2] Keener, B. R., A.R. Diamond, L. J. Davenport, P. G. Davison, S. L. Ginzbarg, C. J. Hansen, C. S. Major, D. D. Spaulding, J. K. Triplett, and M. Woods. 2019. *Alabama Plant Atlas*. [S.M. Landry and K.N. Campbell (original application development), Florida Center for Community Design and Research. University of South Florida]. University of West Alabama, Livingston, Alabama.

and their ranks are presented in Table 1. One of these species, *Phacelia maculata*, has only ever been recorded in the state of Alabama from the Inventory Area. The approximate locations for representative populations of the rare species found in Table 1 are shown in the map in Figure 2. There are 20 species which are considered invasive by the Southeast Exotic Pest Plant Council (SE-EPPC).[3] These are designated as "invasive" in Table 2.

FIGURE 1: INVENTORY AREA FOR RARE PLANT COMMUNITIES OF GRANITE OUTCROPS, APPROXIMATELY 20-ACRES.

FIGURE 2: REPRESENTATIVE LOCATIONS FOR POPULATIONS OF RARE SPECIES FROM TABLE 1.

[3] Miller, J., Chambliss, E., and Bargeron, C. 2004. Invasive Plants of the Thirteen Southern States. https://www.invasive.org/south/seweeds.cfm

TABLE 1: SPECIES OF CONSERVATION CONCERN DOCUMENTED IN INVENTORY AREA

Species	Conservation rank
Cuscuta harperi, Harper's dodder	S2, G2G3
Cyperus granitophilus, granite flatsedge	S2, G3
Diamorpha smallii, elf orpine	S3
Gentiana saponaria, soapwort gentian	S3
Helianthus longifolius, longleaf sunflower	S1S2, G3
Helianthus porteri, confederate daisy	S2
Hypopitys monotropa, pinesap	S2
Mononeuria glabra, Appalachian sandwort	G3
Phacelia maculata, spotted scorpion weed	S1, G1
Phemeranthus mengesii, Menges' fameflower	S2S3, G3

Legend: In all of the rankings, "S" denotes the range of the plant in the state of Alabama. "G" denotes the entire natural range of the plant.[4]

- G1 or S1: Critically Imperiled — At very high risk of extinction or elimination due to very restricted range, very few populations or occurrences, very steep declines, very severe threats, or other factors. S1 denotes fewer than 5 known occurrences within the state.
- G2 or S2: Imperiled — At high risk of extinction or elimination due to restricted range, few populations or occurrences, steep declines, severe threats, or other factors. S2 denotes 6-20 known occurrences within the state.
- G3 or S3: Vulnerable — At moderate risk of extinction or elimination due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats, or other factors. S3 denotes 21-100 occurrences within the state
- G4 or S4: Apparently Secure — At fairly low risk of extinction or elimination due to an extensive range and/or many populations or occurrences, but with possible cause for some concern as a result of local recent declines, threats, or other factors. S4 denotes species which are apparently secure within the state.
- G5 or S5: Secure — At very low risk or extinction or elimination due to a very extensive range, abundant populations or occurrences, and little to no concern from declines or threats. S5 denotes species which are demonstrably secure within the state

[4] Master, L. L., D. Faber-Langendoen, R. Bittman, G. A. Hammerson, B. Heidel, L. Ramsay, K. Snow, A. Teucher, and A. Tomaino. 2012. NatureServe Conservation Status Assessments: Factors for Evaluating Species and Ecosystem Risk. NatureServe, Arlington, VA

TABLE 2: SPECIES DOCUMENTED WITHIN INVENTORY AREA

Taxon name	Common name	Family	Comments
Acer rubrum	red maple	Aceraceae	
Aesculus pavia	red buckeye	Hippocastanaceae	
Agalinis fasciculata	beach false foxglove	Orobanchaceae	
Agalinis tenuifolia	slenderleaf false foxglove	Orobanchaceae	
Agave virginica	eastern false aloe	Agavaceae	
Agrostis hyemalis	winter bentgrass	Poaceae	
Agrostis perennans	autumn bentgrass	Poaceae	
Albizia julibrissin	mimosa	Fabaceae	not native, invasive
Allium cepa	garden onion	Alliaceae	not native, state record
Allium vineale	field garlic	Alliaceae	not native, invasive
Alnus serrulata	tag alder	Betulaceae	
Alopecurus carolinianus	Carolina foxtail grass	Poaceae	
Ambrosia artemisiifolia	common ragweed	Asteraceae	
Amelanchier arborea	downy serviceberry	Rosaceae	
Andropogon ternarius	splitbeard bluestem	Poaceae	
Andropogon virginicus	broom sedge	Poaceae	
Antennaria plantaginifolia	plantain pussytoes	Asteraceae	
Apios americana	American groundnut	Fabaceae	
Aralia spinosa	devil's walking stick	Araliaceae	
Arenaria serpyllifolia	large thyme-leaved sandwort	Caryophyllaceae	not native, invasive
Arisaema pusillum	small-flowered jack-in-the-pulpit	Araceae	
Aristida purpurascens	arrowfeather	Poaceae	county record
Arthraxon hispidus	basket grass	Poaceae	not native, invasive
Arundinaria gigantea	river cane	Poaceae	
Asclepias amplexicaulis	clasping milkweed	Apocynaceae	
Asclepias tuberosa	butterfly weed	Apocynaceae	
Asclepias verticillata	whorled milkweed	Apocynaceae	
Asimina parviflora	small-flowered pawpaw	Annonaceae	
Asplenium platyneuron	ebony spleenwort	Aspleniaceae	
Athyrium asplenioides	southern lady fern	Athyriaceae	
Axonopus fissifolius	common carpetgrass	Poaceae	county record
Baccharis halimifolia	groundsel tree	Asteraceae	
Bidens discoidea	few-bracted beggar ticks	Asteraceae	county record
Bidens frondosa	devil's beggar ticks	Asteraceae	
Bignonia capreolata	cross-vine	Bignoniaceae	

TABLE 2 (CONT'D): SPECIES DOCUMENTED WITHIN INVENTORY AREA

Taxon name	Common name	Family	Comments
Boechera canadensis	Canada rockcress	Brassicaceae	county record
Botrychium dissectum	cutleaf grape fern	Ophioglossaceae	
Briza minor	lesser quaking grass	Poaceae	
Bromus commutatus	meadow brome	Poaceae	not native, county record
Bromus hordeaceus	lopgrass	Poaceae	not native, county record
Bulbostylis capillaris	common hairsedge	Cyperaceae	
Callicarpa americana	American beautyberry	Lamiaceae	
Callitriche heterophylla	common water-starwort	Plantaginaceae	county record
Campsis radicans	trumpet creeeper	Bignoniaceae	
Cardamine hirsuta	hairy bittercress	Brassicaceae	not native
Cardamine parviflora var. arenicola	sand bittercress	Brassicaceae	
Carex albolutescens	greenish-white sedge	Cyperaceae	
Carex complanata	hirsute sedge	Cyperaceae	county record
Carex crinita	fringed sedge	Cyperaceae	
Carex lupulina	hop sedge	Cyperaceae	
Carex lurida	sallow sedge	Cyperaceae	
Carex nigromarginata	black-edged sedge	Cyperaceae	
Carex striatula	lined sedge	Cyperaceae	
Carex styloflexa	bent sedge	Cyperaceae	
Carex tribuloides	blunt broom sedge	Cyperaceae	
Carpinus caroliniana	American hornbeam	Fagaceae	
Carya pallida	sand hickory	Juglandaceae	
Carya tomentosa	mockernut hickory	Juglandaceae	
Centrosema virginianum	spurred butterfly pea	Fabaceae	
Cephalanthus occidentalis	buttonbush	Rubiaceae	
Chamaecrista fasciculata	common partridge pea	Fabaceae	
Chamaecrista nictitans	common sensitive plant	Fabaceae	
Chasmanthium sessiliflorum	longleaf woodoats	Poaceae	
Chimaphila maculata	pipsissewa	Ericaceae	
Cicuta maculata	water hemlock	Apiaceae	county record
Cirsium horridulum	common thistle	Asteraceae	county record

TABLE 2 (CONT'D): SPECIES DOCUMENTED WITHIN INVENTORY AREA

Taxon name	Common name	Family	Comments
Cirsium vulgare	Canada thistle	Asteraceae	not native, invasive
Clematis virginiana	virgin's bower	Ranunculaceae	
Clitoria mariana	butterfly pea	Fabaceae	
Cocculus carolinus	carolina snailseed	Menispermaceae	
Coleataenia anceps	beaked panic grass	Poaceae	
Coleataenia longifolia var. longifolia	long-leaved panic grass	Poaceae	county record
Commelina erecta var. erecta	erect dayflower	Commelinaceae	
Coreopsis grandiflora var. grandiflora	large-flowered tickseed	Asteraceae	
Coreopsis major	woodland tickseed	Asteraceae	
Cornus florida	flowering dogwood	Cornaceae	
Crataegus uniflora	one-flower hawthorn	Rosaceae	
Croton willdenowii	outcrop rushfoil	Euphorbiaceae	
Cuscuta harperi	Harper's dodder	Convolvulaceae	county record, S2, G2G3
Cyperus granitophilus	granite flatsedge	Cyperaceae	S2, G3G4
Cyperus iria	rice flatsedge	Cyperaceae	not native
Cyperus retrorsus	pinebarren flatsedge	Cyperaceae	county record
Cyperus virens	green flatsedge	Cyperaceae	county record
Dactyloctenium aegyptium	crowfoot grass	Poaceae	not native
Danthonia sericea	downy oatgrass	Poaceae	
Danthonia spicata	poverty oatgrass	Poaceae	
Desmodium ciliare	hairy small-leaf tick-trefoil	Fabaceae	
Desmodium rotundifolium	prostrate tick-trefoil	Fabaceae	
Desmodium tenuifolium	slim-leaf tick-trefoil	Fabaceae	county record
Desmodium viridiflorum	velvetleaf tick-trefoil	Fabaceae	
Diamorpha smallii	elf orpine	Crassulaceae	S3, G3G4
Dichanthelium acuminatum var. acuminatum	woolly witchgrass	Poaceae	county record
Dichanthelium acuminatum var. lindheimeri	woolly witchgrass	Poaceae	county record
Dichanthelium boscii	Bosc's witchgrass	Poaceae	
Dichanthelium commutatum	variable witchgrass	Poaceae	

TABLE 2 (CONT'D): SPECIES DOCUMENTED WITHIN INVENTORY AREA

Taxon name	Common name	Family	Comments
Dichanthelium depauperatum	starved witchgrass	Poaceae	
Dichanthelium dichotomum var. dichotomum	forked witchgrass	Poaceae	
Dichanthelium laxiflorum	lax-flowered witchgrass	Poaceae	
Dichanthelium microcarpon	small-fruit witchgrass	Poaceae	county record
Dichanthelium ravenelii	Ravenel's witchgrass	Poaceae	
Dichanthelium scoparium	velvet witchgrass	Poaceae	
Dichanthelium sphaerocarpon	round-fruit witchgrass	Poaceae	
Diodia virginiana	Virginia buttonweed	Rubiaceae	
Diospyros virginiana	American persimmon	Ebenaceae	
Dulichium arundinaceum	three-way sedge	Cyperaceae	county record
Eclipta prostrata	yerba de tajo	Asteraceae	not native, county record
Eleocharis acicularis	needle spikerush	Cyperaceae	county record
Eleocharis microcarpa	small-fruit spikerush	Cyperaceae	county record
Eleocharis obtusa	blunt spikerush	Cyperaceae	
Elephantopus tomentosus	woolly elephant's foot	Asteraceae	
Elymus virginicus	Virginia wild rye	Poaceae	
Endodeca serpentaria	Virginia snakeroot	Aristolochiaceae	county record
Eragrostis hirsuta	big top lovegrass	Poaceae	
Eragrostis lugens	mourning lovegrass	Poaceae	not native, county record
Eragrostis pectinacea	Carolina lovegrass	Poaceae	county record
Eragrostis refracta	coastal lovegrass	Poaceae	county record
Eragrostis spectabilis	purple lovegrass	Poaceae	
Erechtites hieraciifolius	American burnweed	Asteraceae	
Erianthus alopecuroides	silver plume grass	Poaceae	
Erigeron canadensis	common horseweed	Asteraceae	
Erigeron philadelphicus	Philadelphia fleabane	Asteraceae	
Erigeron strigosus	common eastern fleabane	Asteraceae	
Eryngium prostratum	creeping eryngo	Apiaceae	
Euonymus americanus	American strawberry bush	Celastraceae	

TABLE 2 (CONT'D): SPECIES DOCUMENTED WITHIN INVENTORY AREA

Taxon name	Common name	Family	Comments
Eupatorium capillifolium	common dog fennel	Asteraceae	
Eupatorium hyssopifolium	hyssop-leaf thoroughwort	Asteraceae	
Eupatorium serotinum	late-flowering thoroughwort	Asteraceae	
Euphorbia maculata	spotted sandmat	Euphorbiaceae	county record
Euphorbia pubentissima	false flowering spurge	Euphorbiaceae	
Eutrochium fistulosum	hollow-stem joe pye weed	Asteraceae	
Fagus grandifolia	American beech	Fagaceae	
Fimbristylis autumnalis	slender fimbry	Cyperaceae	
Fraxinus pennsylvanica	green ash	Oleaceae	
Fuirena squarrosa	hairy umbrella sedge	Cyperaceae	
Galactia regularis	eastern milk pea	Fabaceae	
Galium pilosum	hairy bedstraw	Rubiaceae	
Galium uniflorum	one-flower bedstraw	Rubiaceae	
Gamochaeta coarctata	elegant cudweed	Asteraceae	
Gentiana saponaria	soapwort gentian	Gentianaceae	S3
Glyceria striata	fowl manna grass	Poaceae	
Gonolobus suberosus	angle pod	Apocynaceae	
Gratiola virginiana	Virginia hedge hyssop	Plantaginaceae	
Hedeoma hispida	rough false pennyroyal	Lamiaceae	
Helenium amarum	bitterweed	Asteraceae	
Helianthus angustifolius	narrowleaf sunflower	Asteraceae	
Helianthus divaricatus	woodland sunflower	Asteraceae	county record
Helianthus hirsutus	hairy sunflower	Asteraceae	
Helianthus longifolius	longleaf sunflower	Asteraceae	S1S2, G3
Helianthus microcephalus	small head sunflower	Asteraceae	
Helianthus porteri	confederate daisy	Asteraceae	S2, G4
Heuchera parviflora	small-flower alumroot	Saxifragaceae	county record
Hexasepalum teres	poor joe	Rubiaceae	
Hexastylis arifolia	little brown jug	Aristolochiaceae	
Hibiscus moscheutos	common marsh mallow	Malvaceae	county record
Hieracium gronovii	hairy hawkweed	Asteraceae	
Hordeum pusillum	mouse barley	Poaceae	
Houstonia caerulea	common bluet	Rubiaceae	
Houstonia longifolia	eastern longleaf bluet	Rubiaceae	

TABLE 2 (CONT'D): SPECIES DOCUMENTED WITHIN INVENTORY AREA

Taxon name	Common name	Family	Comments
Houstonia micrantha	southern bluet	Rubiaceae	county record
Houstonia pusilla	tiny bluet	Rubiaceae	
Houstonia tenuifolia	slender leaf bluet	Rubiaceae	
Hydrangea quercifolia	oak-leaf hydrangea	Hydrangeaceae	
Hydrocotyle verticillata	whorled pennywort	Araliaceae	
Hypericum crux-andreae	St. Peter's wort	Hypericaceae	
Hypericum gentianoides	orange grass	Hypericaceae	
Hypericum hypericoides	St. Andrew's cross	Hypericaceae	
Hypericum punctatum	spotted St. John's wort	Hypericaceae	
Hypericum walteri	greater marsh St. John's wort	Hypericaceae	county record
Hypochaeris radicata	hairy cat's ear	Asteraceae	not native, county record
Hypopitys monotropa	pinesap	Ericaceae	S2
Hypoxis hirsuta	common star grass	Hypoxidaceae	
Ilex opaca	American holly	Aquifoliaceae	
Impatiens capensis	orange jewelweed	Balsaminaceae	
Ipomoea pandurata	man of the earth	Convolvulaceae	
Iris virginica	blue flag iris	Iridaceae	county record
Jacquemontia tamnifolia	hairy clustervine	Convolvulaceae	
Juncus acuminatus	sharp fruit rush	Juncaceae	
Juncus diffusissimus	slim pod rush	Juncaceae	
Juncus effusus	soft rush	Juncaceae	
Juncus secundus	lopsided rush	Juncaceae	
Juncus tenuis	path rush	Juncaceae	
Juncus validus	round head rush	Juncaceae	
Juniperus virginiana	eastern redcedar	Cupressaceae	
Kellochloa verrucosa	warty panic grass	Poaceae	county record
Krigia virginica	Virginia dwarf dandelion	Asteraceae	
Lactuca serriola	prickly lettuce	Asteraceae	county record
Lamium purpureum	purple dead nettle	Lamiaceae	not native
Lechea racemulosa	oblong fruit pinweed	Cistaceae	
Leersia oryzoides	rice cutgrass	Poaceae	county record
Lespedeza cuneata	Chinese bush clover	Fabaceae	not native, invasive

TABLE 2 (CONT'D): SPECIES DOCUMENTED WITHIN INVENTORY AREA

Taxon name	Common name	Family	Comments
Lespedeza procumbens	trailing bush clover	Fabaceae	
Lespedeza repens	creeping bush clover	Fabaceae	
Lespedeza virginica	slender bush clover	Fabaceae	
Liatris microcephala	small head blazing star	Asteraceae	
Ligustrum sinense	Chinese privet	Oleaceae	not native, invasive
Linaria canadensis	common toadflax	Plantaginaceae	
Linum striatum	ridged yellow flax	Linaceae	county record
Liquidambar styraciflua	sweetgum	Altingiaceae	
Liriodendron tulipifera	tulip poplar	Magnoliaceae	
Liriope spicata	creeping turf lily	Ruscaceae	not native, county record
Lolium arundinaceum	tall fescue	Poaceae	not native
Lonicera japonica	Japanese honeysuckle	Caprifoliaceae	not native, invasive
Lorinseria areolata	netted chain fern	Blechnaceae	
Ludwigia alternifolia	alternate leaf seedbox	Onagraceae	
Ludwigia decurrens	wingstem water primrose	Onagraceae	
Ludwigia palustris	marsh seedbox	Onagraceae	
Luzula echinata	hedgehog wood rush	Juncaceae	
Lycopus virginicus	Virginia bugleweed	Lamiaceae	
Lygodium japonicum	Japanese climbing fern	Lygodiaceae	not native, invasive, county record
Magnolia grandiflora	southern magnolia	Magnoliaceae	county record
Magnolia virginiana	sweet bay magnolia	Magnoliaceae	
Maianthemum racemosum	Solomon's plume	Ruscaceae	
Malaxis unifolia	green adder's mouth orchid	Orchidaceae	
Matelea carolinensis	Carolina milkvine	Apocynaceae	
Mazus pumilus	Japanese mazus	Mazaceae	not native, county record
Melica mutica	two flower melic grass	Poaceae	
Micranthes virginiensis	early saxifrage	Saxifragaceae	
Microstegium vimineum	Japanese stilt grass	Poaceae	not native, invasive
Mikania scandens	climbing hempvine	Asteraceae	
Mitchella repens	partridge berry	Rubiaceae	
Monarda fistulosa var. mollis	eastern bergamot	Lamiaceae	
Mononeuria glabra	Appalachian sandwort	Caryophyllaceae	G4

TABLE 2 (CONT'D): SPECIES DOCUMENTED WITHIN INVENTORY AREA

Taxon name	Common name	Family	Comments
Morus rubra	red mulberry	Moraceae	
Mosla dianthera	minature beefsteak plant	Lamiaceae	not native, invasive, county record
Muscadinia rotundifolia	muscadine	Vitaceae	
Nabalus altissimus	tall rattlesnake root	Asteraceae	
Nyssa biflora	swamp tupelo	Nyssaceae	
Nyssa sylvatica	black gum	Nyssaceae	
Oenothera biennis	common evening primrose	Onagraceae	
Oenothera fruticosa var. subglobosa	flatrock sundrops	Onagraceae	
Oenothera linifolia	threadleaf sundrops	Onagraceae	
Opuntia cespitosa	red-flowered prickly pear	Cactaceae	county record
Opuntia mesacantha	prickly pear	Cactaceae	county record
Osmundastrum cinnamomeum	cinnamon fern	Osmundaceae	
Oxalis dillenii	gray green wood sorrel	Oxalidaceae	
Oxalis florida	slender wood sorrel	Oxalidaceae	
Oxalis stricta	common yellow wood sorrel	Oxalidaceae	
Oxalis violacea	violet wood sorrel	Oxalidaceae	
Oxydendrum arboreum	sourwood	Ericaceae	
Packera anonyma	Appalachian ragwort	Asteraceae	
Parthenocissus quinquefolia	Virginia creeper	Vitaceae	
Paspalum laeve	field crowngrass	Poaceae	
Paspalum notatum	bahia grass	Poaceae	not native, invasive
Paspalum urvillei	Vasey's grass	Poaceae	not native
Passiflora incarnata	purple passion flower	Passifloraceae	
Passiflora lutea	yellow passion flower	Passifloraceae	
Persicaria punctata	dotted smartweed	Polygonaceae	county record
Persicaria setacea	bog smartweed	Polygonaceae	
Phacelia maculata	spotted scorpion weed	Hydrophyllaceae	
Phemeranthus mengesii	Menges' rock pink	Montiaceae	S2S3, G3
Photinia serratifolia	Taiwanese redtip	Rosaceae	not native
Phytolacca americana	American pokeweed	Phytolaccaceae	
Pinus taeda	loblolly pine	Pinaceae	
Pinus virginiana	Virginia pine	Pinaceae	county record

TABLE 2 (CONT'D): SPECIES DOCUMENTED WITHIN INVENTORY AREA

Taxon name	Common name	Family	Comments
Pityopsis graminifolia	narrowleaf silkgrass	Asteraceae	county record
Plantago aristata	large bract plantain	Plantaginaceae	
Plantago rugelii	black seed plantain	Plantaginaceae	
Plantago virginica	Virginia plantain	Plantaginaceae	
Pleopeltis michauxiana	resurrection fern	Polypodiaceae	
Pluchea camphorata	common camphor weed	Asteraceae	
Poa annua	annual bluegrass	Poaceae	not native, invasive
Polygala curtissii	Appalachian milkwort	Polygalaceae	
Polygonatum biflorum	Solomon's seal	Ruscaceae	
Polypremum procumbens	rustweed	Tetrachondraceae	
Polystichum acrostichoides	Christmas fern	Dryopteridaceae	
Pontederia cordata	pickerel weed	Pontederiaceae	
Portulaca oleracea	common purslane	Portulacaceae	not native, county record
Potentilla indica	mock strawberry	Rosaceae	not native, invasive
Potentilla simplex	common cinquefoil	Rosaceae	
Prunella vulgaris var. lanceolata	American self heal	Lamiaceae	county record
Prunus serotina	black cherry	Rosaceae	
Pseudognaphalium obtusifolium	eastern rabbit tobacco	Asteraceae	
Ptilimnium capillaceum	herb William	Apiaceae	
Pycnanthemum loomisii	Loomis' mountain mint	Lamiaceae	
Pycnanthemum tenuifolium	narrowleaf mountain mint	Lamiaceae	county record
Pyrrhopappus carolinianus	Carolina false dandelion	Asteraceae	
Pyrus calleryana	Bradford pear	Rosaceae	not native, invasive, county record
Quercus alba	northern white oak	Fagaceae	
Quercus nigra	water oak	Fagaceae	
Quercus rubra	northern red oak	Fagaceae	county record
Quercus stellata	post oak	Fagaceae	
Quercus velutina	black oak	Fagaceae	county record
Ranunculus pusillus	low buttercup	Ranunculaceae	
Rhexia mariana	pale meadow beauty	Melastomataceae	
Rhododendron canescens	piedmont azalea	Ericaceae	

TABLE 2 (CONT'D): SPECIES DOCUMENTED WITHIN INVENTORY AREA

Taxon name	Common name	Family	Comments
Rhus copallinum	winged sumac	Anacardiaceae	
Rhus glabra	smooth sumac	Anacardiaceae	
Rhynchosia tomentosa	twining snout bean	Fabaceae	
Rhynchospora globularis	globe beakrush	Cyperaceae	
Rhynchospora glomerata	clustered beakrush	Cyperaceae	
Rhynchospora inexpansa	nodding beakrush	Cyperaceae	county record
Rubus flagellaris	whiplash dewberry	Rosaceae	
Rubus pensylvanicus	southern blackberry	Rosaceae	
Ruellia carolinensis	hairy wild petunia	Acanthaceae	
Rumex acetosella	sheep sorrel	Polygonaceae	not native, invasive
Salix nigra	black willow	Salicaceae	
Salvia lyrata	lyre leaf sage	Lamiaceae	
Sambucus canadensis	common elderberry	Adoxaceae	
Sanicula canadensis	Canadian black snakeroot	Apiaceae	
Sanicula smallii	Small's black snakeroot	Apiaceae	
Sassafras albidum	sassafras	Lauraceae	
Schizachyrium scoparium	little bluestem	Poaceae	
Scirpus cyperinus	wool grass	Cyperaceae	
Scleria oligantha	little head nutrush	Cyperaceae	
Scutellaria elliptica	hairy skullcap	Lamiaceae	county record
Sericocarpus linifolius	narrowleaf white top aster	Asteraceae	county record
Setaria parviflora	knotroot bristlegrass	Poaceae	
Setaria pumila	yellow bristlegrass	Poaceae	not native, invasive
Seymeria cassioides	yaupon black senna	Orobanchaceae	
Silene stellata	starry campion	Caryophyllaceae	
Silene virginica	fire pink	Caryophyllaceae	
Smilax bona-nox	saw greenbrier	Smilacaceae	
Smilax glauca	white leaf catbrier	Smilacaceae	
Smilax rotundifolia	common greenbrier	Smilacaceae	
Smilax smallii	Jackson brier	Smilacaceae	
Solanum carolinense	Carolina horse nettle	Solanaceae	
Solidago altissima	tall goldenrod	Asteraceae	
Solidago caesia	wreath goldenrod	Asteraceae	
Solidago erecta	slender goldenrod	Asteraceae	
Solidago nemoralis	eastern gray goldenrod	Asteraceae	
Solidago odora	sweet goldenrod	Asteraceae	

TABLE 2 (CONT'D): SPECIES DOCUMENTED WITHIN INVENTORY AREA

Taxon name	Common name	Family	Comments
Solidago petiolaris	ragged goldenrod	Asteraceae	
Solidago rugosa var. aspera	wrinkle-leaf goldenrod	Asteraceae	county record
Sorghastrum nutans	yellow indian grass	Poaceae	
Sparganium americanum	American bur weed	Typhaceae	
Spiranthes lacera var. gracilis	southern slender ladies' tresses	Orchidaceae	
Sporobolus indicus	smut grass	Poaceae	not native
Steinchisma hians	gaping panic grass	Poaceae	
Stylosanthes biflora	sidebeak pencil flower	Fabaceae	
Symphyotrichum dumosum	white bushy aster	Asteraceae	
Symphyotrichum lateriflorum	calico aster	Asteraceae	county record
Symphyotrichum patens	late purple aster	Asteraceae	
Symphyotrichum pilosum	white oldfield aster	Asteraceae	
Taxodium distichum	southern baldcypress	Cupressaceae	county record
Tephrosia spicata	spiked hoary pea	Fabaceae	
Tephrosia virginiana	Virginia goat's rue	Fabaceae	
Thyrsanthella difformis	climbing dogbane	Apocynaceae	
Tipularia discolor	cranefly orchid	Orchidaceae	
Toxicodendron radicans	eastern poison ivy	Anacardiaceae	county record
Tradescantia ohiensis	Ohio spiderwort	Commelinaceae	
Tragia urticifolia	nettle-leaf noseburn	Euphorbiaceae	
Tridens flavus	purple top grass	Poaceae	
Triodanis perfoliata	clasping leaf venus' looking glass	Campanulaceae	
Ulmus alata	winged elm	Ulmaceae	
Urochloa platyphylla	broadleaf signal grass	Poaceae	county record
Uvularia sessilifolia	sessile leaf bellwort	Colchicaceae	
Vaccinium arboreum	sparkleberry	Ericaceae	
Vaccinium elliottii	mayberry	Ericaceae	
Vaccinium fuscatum	black highbush blueberry	Ericaceae	
Vaccinium pallidum	early lowbush blueberry	Ericaceae	
Vaccinium stamineum	deerberry	Ericaceae	
Valerianella radiata	beaked cornsalad	Caprifoliaceae	
Verbascum thapsus	woolly mullein	Scrophulariaceae	not native, invasive
Verbena brasiliensis	Brazilian vervain	Verbenaceae	not native, invasive
Verbena incompta	clasping verbena	Verbenaceae	not native, invasive, county record

TABLE 2 (CONT'D): SPECIES DOCUMENTED WITHIN INVENTORY AREA

Taxon name	Common name	Family	Comments
Vernonia flaccidifolia	woodland ironweed	Asteraceae	county record
Vernonia gigantea	giant ironweed	Asteraceae	
Veronica peregrina	common purslane speedwell	Plantaginaceae	not native
Viburnum rufidulum	rusty blackhaw	Adoxaceae	county record
Viola affinis	sand violet	Violaceae	
Viola bicolor	field pansy	Violaceae	
Viola sagittata var. sagittata	arrowleaf violet	Violaceae	county record
Vitis aestivalis	summer grape	Vitaceae	
Xyris jupicai	Richard's yellow-eyed grass	Xyridaceae	
Yucca flaccida	flaccid leaf yucca	Agavaceae	county record

Attachment 2
Project Lands Evaluation Consultation Record
(May 2019-March 2020)

HAT 4 meeting - September 11, 2019

Anderegg, Angela Segars

Tue 8/13/2019 6:53 PM

To: 'harrisrelicensing@southernco.com' <harrisrelicensing@southernco.com>
Bcc damon.abernethy@dcnr.alabama.gov <damon.abernethy@dcnr.alabama.gov>; steve.bryant@dcnr.alabama.gov <steve.bryant@dcnr.alabama.gov>; keith.gauldin@dcnr.alabama.gov <keith.gauldin@dcnr.alabama.gov>; taconya.goar@dcnr.alabama.gov <taconya.goar@dcnr.alabama.gov>; chris.greene@dcnr.alabama.gov <chris.greene@dcnr.alabama.gov>; keith.henderson@dcnr.alabama.gov <keith.henderson@dcnr.alabama.gov>; mike.holley@dcnr.alabama.gov <mike.holley@dcnr.alabama.gov>; evan.lawrence@dcnr.alabama.gov <evan.lawrence@dcnr.alabama.gov>; nick.nichols@dcnr.alabama.gov <nick.nichols@dcnr.alabama.gov>; amy.silvano@dcnr.alabama.gov <amy.silvano@dcnr.alabama.gov>; chris.smith@dcnr.alabama.gov <chris.smith@dcnr.alabama.gov>; ken.wills@jcdh.org <ken.wills@jcdh.org>; matt.brooks@alea.gov <matt.brooks@alea.gov>; coty.brown@alea.gov <coty.brown@alea.gov>; arsegars@southernco.com <arsegars@southernco.com>; dkanders@southernco.com <dkanders@southernco.com>; wtanders@southernco.com <wtanders@southernco.com>; jefbaker@southernco.com <jefbaker@southernco.com>; jcarlee@southernco.com <jcarlee@southernco.com>; kechandl@southernco.com <kechandl@southernco.com>; tpfreema@southernco.com <tpfreema@southernco.com>; cggoodma@southernco.com <cggoodma@southernco.com>; ammcvica@southernco.com <ammcvica@southernco.com>; tlmills@southernco.com <tlmills@southernco.com>; dolmoore@southernco.com <dolmoore@southernco.com>; scsmith@southernco.com <scsmith@southernco.com>; twstjohn@southernco.com <twstjohn@southernco.com>; lswinsto@southernco.com <lswinsto@southernco.com>; cchaffin@alabamarivers.org <cchaffin@alabamarivers.org>; clowry@alabamarivers.org <clowry@alabamarivers.org>; gjobsis@americanrivers.org <gjobsis@americanrivers.org>; kmo0025@auburn.edu <kmo0025@auburn.edu>; irwiner@auburn.edu <irwiner@auburn.edu>; chrisoberholster@birminghamaudubon.org <chrisoberholster@birminghamaudubon.org>; allan.creamer@ferc.gov <allan.creamer@ferc.gov>; rachel.mcnamara@ferc.gov <rachel.mcnamara@ferc.gov>; sarah.salazar@ferc.gov <sarah.salazar@ferc.gov>; monte.terhaar@ferc.gov <monte.terhaar@ferc.gov>; gene@wedoweelakehomes.com <gene@wedoweelakehomes.com>; kate.cosnahan@kleinschmidtgroup.com <kate.cosnahan@kleinschmidtgroup.com>; colin.dinken@kleinschmidtgroup.com <colin.dinken@kleinschmidtgroup.com>; amanda.fleming@kleinschmidgroup.com <amanda.fleming@kleinschmidgroup.com>; henry.mealing@kleinschmidtgroup.com <henry.mealing@kleinschmidtgroup.com>; kelly.schaeffer@kleinschmidtgroup.com <kelly.schaeffer@kleinschmidtgroup.com>; sforehand@russelllands.com <sforehand@russelllands.com>; Tom Garland (lgarland68@aol.com) <lgarland68@aol.com>; Diane Lunsford (johndiane@sbcglobal.net) <johndiane@sbcglobal.net>; bradandsue795@gmail.com <bradandsue795@gmail.com>; mitchell.reid@tnc.org <mitchell.reid@tnc.org>; wmcampbell218@gmail.com <wmcampbell218@gmail.com>; donnamat@aol.com <donnamat@aol.com>; harry.merrill47@gmail.com <harry.merrill47@gmail.com>; mhpwedowee@gmail.com <mhpwedowee@gmail.com>; midwaytreasures@bellsouth.net <midwaytreasures@bellsouth.net>; inspector_003@yahoo.com <inspector_003@yahoo.com>; gardenergirl04@yahoo.com <gardenergirl04@yahoo.com>; paul.trudine@gmail.com <paul.trudine@gmail.com>; 1942jthompson420@gmail.com <1942jthompson420@gmail.com>; amccartn@blm.gov <amccartn@blm.gov>; j35sullivan@blm.gov <j35sullivan@blm.gov>; evan_collins@fws.gov <evan_collins@fws.gov>; jennifer_grunewald@fws.gov <jennifer_grunewald@fws.gov>; jeff_powell@fws.gov <jeff_powell@fws.gov>

HAT 4,

Alabama Power will be hosting a series of HAT meetings on **Wednesday, September 11, 2019 at the Oxford Civic Center,** 401 Mccullars Ln, Oxford, AL 36203. The HAT 4 meeting will be from **12:30 to 1:15**. The purpose of the HAT 4 meeting is to present Alabama Power's proposed land use changes at the Harris Project, including lands that Alabama Power may propose to be removed or included in the project boundary, or those lands proposed to change land use classification.

Please RSVP by Friday, September 6, 2019. Lunch will be provided (~11:45) so please indicate any food allergies or vegetarian preferences on or before September 6, 2019. I encourage everyone to attend in person. If this is not feasible, we are also offering a Skype option (info below). It would be ideal to join on your computer as we will be viewing presentations and maps.

If you have any questions about the agenda or meetings, please email or call me at ARSEGARS@southernco.com or (205) 257-2251.

Join Skype Meeting [meet.lync.com]

Trouble Joining? Try Skype Web App [meet.lync.com]

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Toll number: +1 (207) 248-8024

Find a local number [dialin.lync.com]

Conference ID: 892052380

Angie Anderegg
Hydro Services
(205)257-2251
arsegars@southernco.com

APC Harris Relicensing

From: Smith, Sheila C.
Sent: Thursday, August 29, 2019 2:53 PM
To: Anderegg, Angela Segars
Subject: FW: Request to Modify RL Harris Res. Land Use Plan For Randolph Co Raw Water Intake
Attachments: Request for Modification of the RL Harris Land Use Plan w attachments.pdf

Sheila Smith / Land Supervisor
Office: 256-396-5093 / Cell: 256-610-3243

Alabama Power

one team one goal

From: Stan Nelson <snelson@nelsonandco.com>
Sent: Thursday, August 29, 2019 2:26 PM
To: aanderegg@southernco.com
Cc: Bearden, Justin <JBEARDEN@SOUTHERNCO.COM>; Mark Carter <mark.carter@ferc.gov>; Edge, William <WAEDGE@southernco.com>; Robert Fletcher <robert.fletcher@ferc.gov>; Graham, Stacey A. <SGRAHAM@SOUTHERNCO.COM>; Haslbauer, Jennifer <jhaslbauer@adem.alabama.gov>; jeremy.jessup@ferc.gov; djmoore@adem.alabama.gov; James.R.Schauer@apc.com; Smith, Sheila C. <SCSMITH@southernco.com>; John Tinney <jctinney@hotmail.com>; White, Aimee B <ABWhite@adem.state.al.us>; Caton, Ross E <recaton@adem.alabama.gov>; John Taylor <john.taylor@al.usda.gov>; estreett@mccarter.com; vester.whitmore@gmail.com; Mark Prestridge <mprandolphwater@gmail.com>
Subject: Request to Modify RL Harris Res. Land Use Plan For Randolph Co Raw Water Intake

Please see the attached request.

Stan Nelson, PE
NELSON & COMPANY, PC - Consulting Engineers
400 Emery Drive, Suite 300
Birmingham, AL 35244-4548
Work (205) 989-5690
Fax (205) 989-5672
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Ms. Angie Anderegg, Project Manager,
Alabama Power Company - Hydro Re-licensing
600 North 18th Street
Birmingham, AL 35203

August 29, 2019

REF: Hwy 48 Raw Water Intake on RL Harris Reservoir
Owner: Randolph County Water, Sewer and Fire Protection Authority
Project: 111-46

Dear Anderegg:

We are the consulting engineers for the Randolph County Water, Sewer and Fire Protection Authority (here in after call the Authority). Over the past year, the Authority has investigated building a water treatment plant upstream of the RL Harris Reservoir on the Little Tallapoosa River. After much study and consultation with ADEM, it has been determined that the site studied on the Little Tallapoosa River would not meet the short term or long term needs of the Authority.

The Authority and ADEM agree that the Highway 48 Raw Water Pumping Station site on HL Harris Reservoir has superior water quality and will meet the long term needs of the Authority and is a far superior site because:

1. Ability to withdraw water from multiple water levels to get the highest quality raw water, (See attached very preliminary Drawings 111-46-4 and 5)
2. Ability to withdraw water far below the HL Harris minimum project water pool level
3. The site is downstream of the confluence of the Little Tallapoosa and the Tallapoosa Rivers where the water quality is far superior to the site studied on the Little Tallapoosa River.
4. The site is in close proximity to property on County Road 90 currently owned by the Authority for the construction of a water treatment plant.
5. The site is in close proximity to the Authority's constructed large diameter drinking water lines (16" DIP) near County Road 90.

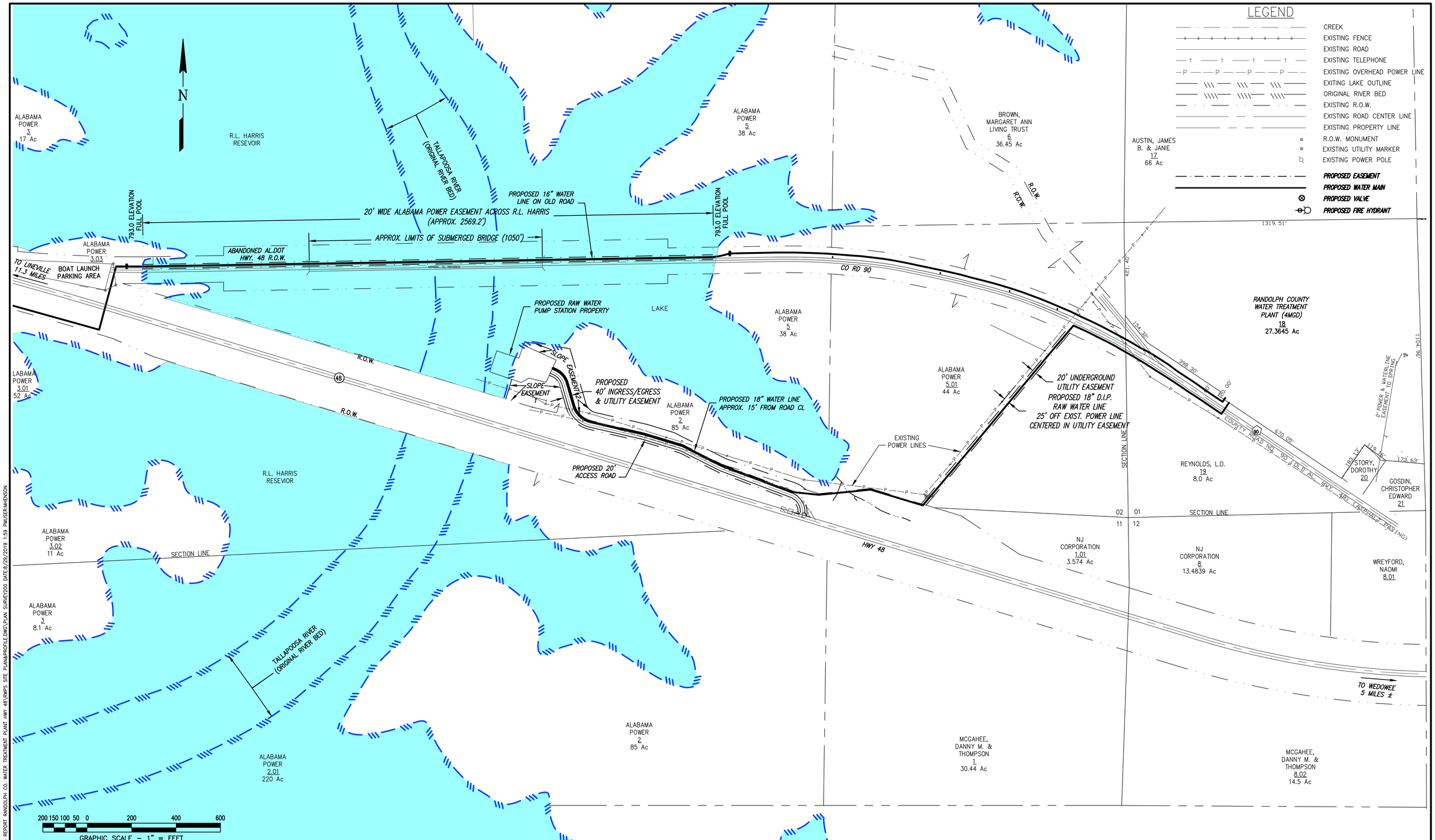
The Authority hereby request that Alabama Power revise the RL Harris Land Use Plan for FERC approval to allow for the transfer of property and easements to the Authority shown on the Attached 1.1, D1, D2 and D3. If you like, we can set up a conference call for Tuesday September 3, 2019 at 2 pm with your office, the Authority, ADEM and FERC. Please advise.

Sincerely,
NELSON & COMPANY, PC
Civil and Environmental Engineering

Stan Nelson

Stan Nelson
President

Vester Whitmore, Chairman - RCWS&FPA
John Tinney, Attorney for RCWS&FPA
Clay Tinney, Attorney
Emily Streett, McCarter & English – Washington, DC
John Taylor, State Engr. USDA-RD
Robert Fletcher, FERC
Mark Carter, FERC
Sheila Smith, APC
Ross Caton, ADEM
Jennifer Haslbauer, ADEM
David Moore, ADEM
Aimee White, ADEM



NO.	DATE	REVISIONS	CHKD.	APPR.
1	08/28/19	PROJECT 111-W46	RSN	RSN

NO.	DATE	REVISIONS	CHKD.	APPR.

DRAWN MGH
CHECKED SWN
APPROVED

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(205)989-5690 FAX (205)989-5672

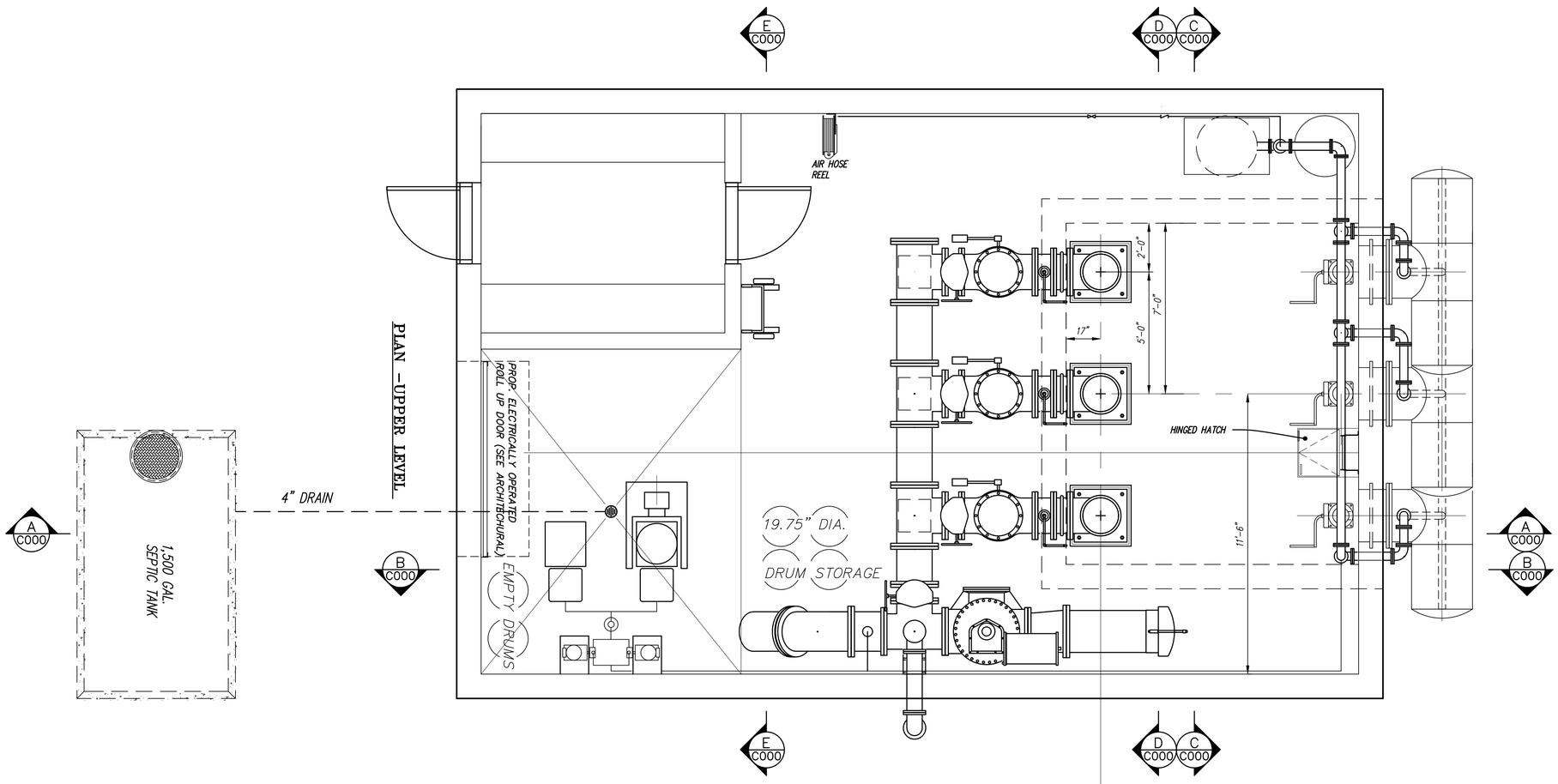
RANDOLPH COUNTY, ALABAMA
MUNICIPAL WATER SYSTEM IMPROVEMENTS

PROPERTY & EASEMENTS NEEDED FROM ALABAMA POWER

REV. 1

111-46-FIG 1.1

U:\RANDOLPH COUNTY\111-46 REPORT RANDOLPH CO. WATER TREATMENT PLANT HWY 48\RWPS SITE PLAN&PROFILE.DWG\PLAN SURVEY200 DATE:8/29/2019 1:59 PMUSERMHENSON



PLAN –RAW WATER PUMP STATION AND INTAKE SCREENS w/AIR BURST

NO.	DATE	REVISIONS	CHKD.	APPR.

NO.	DATE	REVISIONS	CHKD.	APPR.

NO.	DATE	REVISIONS	CHKD.	APPR.

DRAWN MGH
CHECKED SWN
DATE 4/17/01
APPROVED

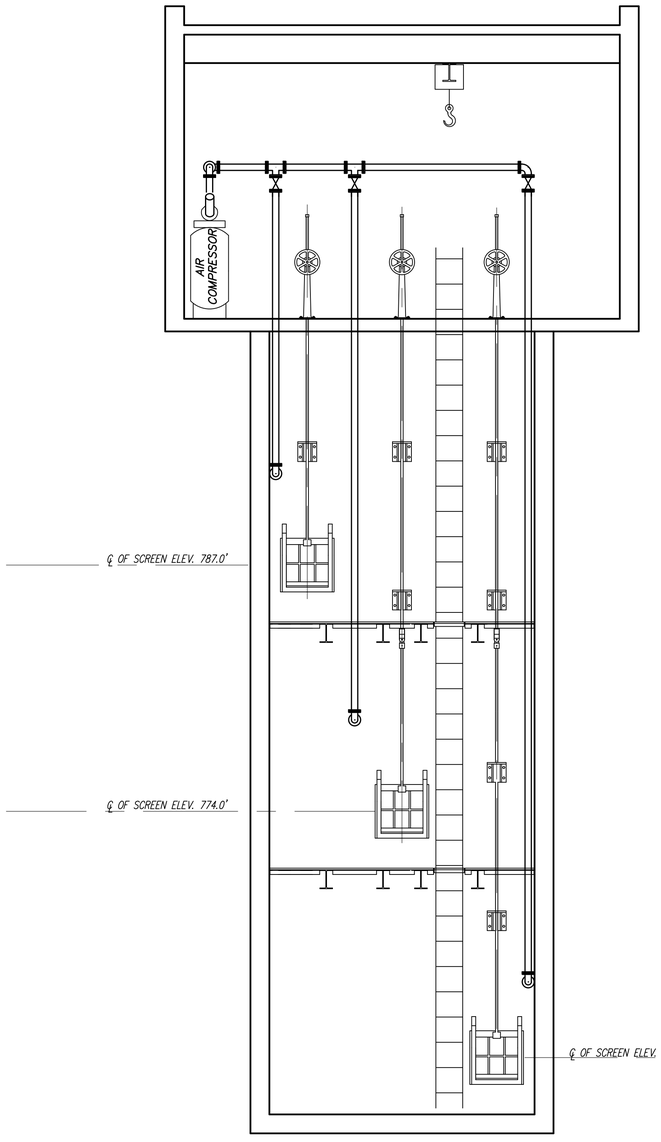
NELSON & COMPANY, PC
Civil and Environmental Engineering
400 Emery Drive – Suite 300
Birmingham, Alabama 35244
(205)989-5690 FAX (205)989-5672

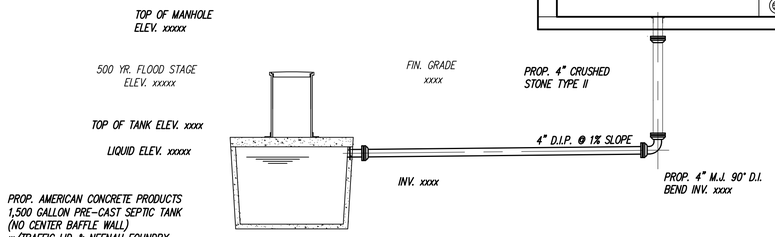
RANDOLPH COUNTY WATER AUTHORITY
HWY 48 PLANT

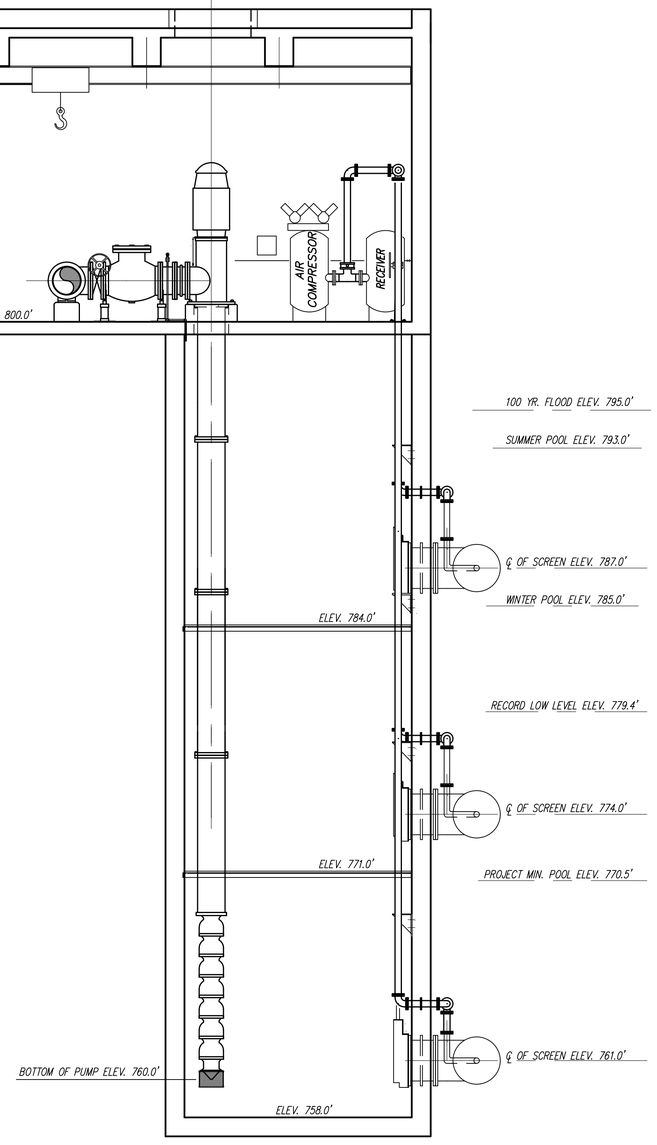
RAW WATER INTAKE

PLAN

REV. 0
111-46-3
SCALE AS SHOWN







0' 1' 2' 4' 8'

Scale Factor: 48.0

NO.	DATE	REVISIONS	CHKD.	APPR.

NO.	DATE	REVISIONS	CHKD.	APPR.

NO.	DATE	REVISIONS	CHKD.	APPR.

DRAWN MGH
CHECKED SWN
DATE 4/17/01
APPROVED

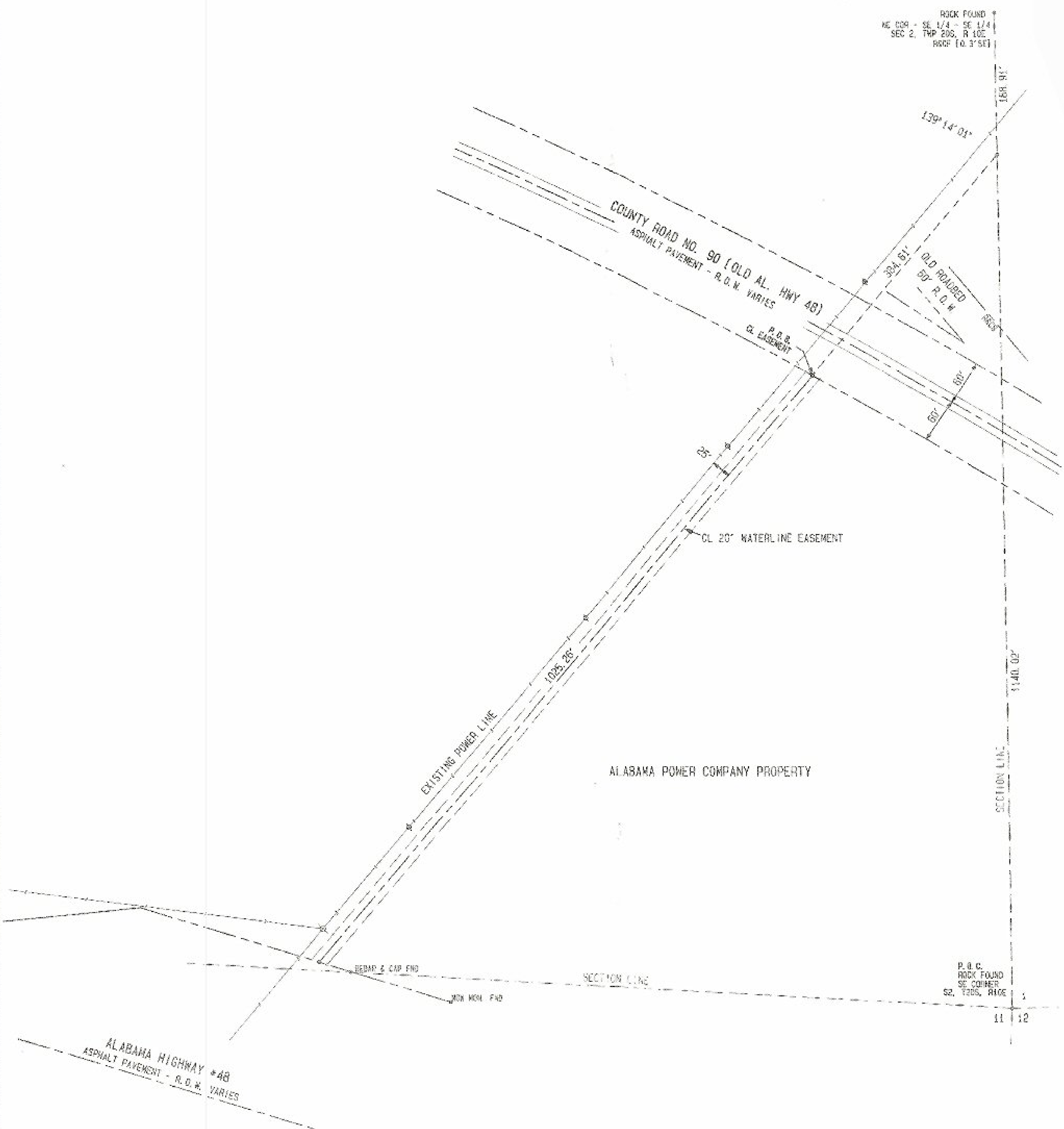
NELSON & COMPANY, PC
Civil and Environmental Engineering
400 Emery Drive – Suite 300
Birmingham, Alabama 35244
(205)989-5690 FAX (205)989-5672

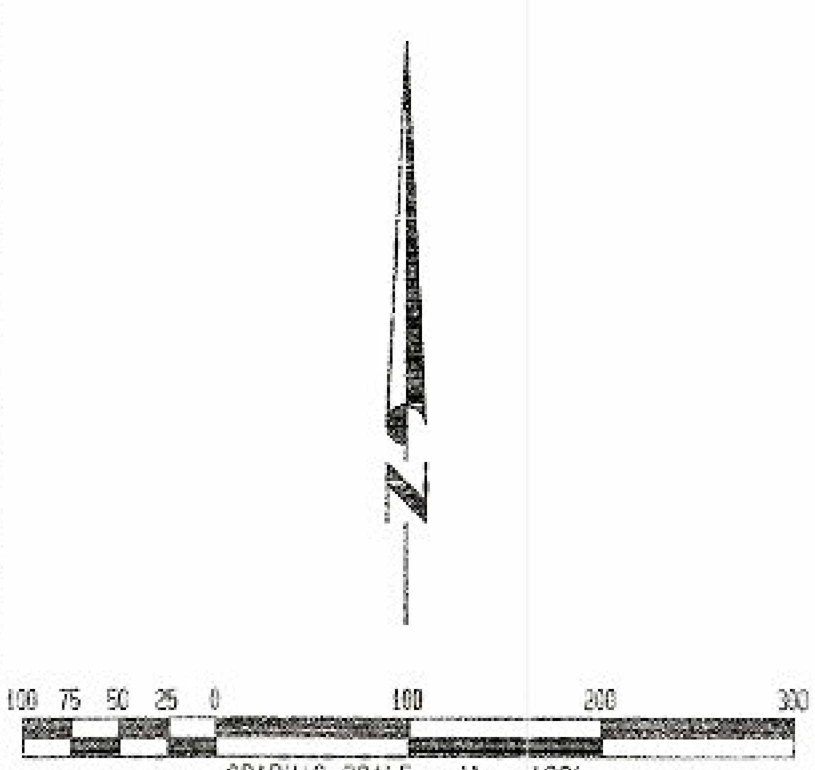
RANDOLPH COUNTY WATER AUTHORITY
HWY 48 PLANT

RAW WATER INTAKE

SECTIONS

REV. 0
111-46-4
SCALE AS SHOWN





PARAGON ENGINEERING, INC.

APR 26 2001

PRINTED

STATE OF ALABAMA
RANDOLPH COUNTY

A 20' easement located in the Southeast Quarter of the Southeast Quarter of Section 2, Township 20 South, Range 10 East, Randolph County, Alabama, said easement lying 10 feet on either side of and parallel to the following described centerline, said centerline lying 25 feet Southeasterly of and parallel to an existing power transmission line, and being more particularly described as follows:

Commence at the Southeast corner of Section 2, Township 20 South, Range 10 East, Randolph County, Alabama and run in a Northerly direction along the East line of said Section 1140.02 feet; thence deflect 139°14'01" and run to the left in a Southwesterly direction 384.61 feet more or less to the Southerly right of way of Randolph County Highway 90, (Old Alabama Highway 48), being the Point Of Beginning of the herein described centerline easement; thence continue along last described course in a Southwesterly direction 1025.26 feet more or less to the Northerly right of way of Alabama Highway No. 80 and the end of the herein described easement centerline.

Field survey completed on April 23, 2001.

Reference Information:
Alabama DOT right of way map for Highway 48.
Alabama DOT right of way map for Old Highway 48
Survey by Stothard Engineering
Alabama Power Company section plat

I hereby certify, to the best of my knowledge and belief, that all parts of this survey and drawing have been completed in accordance with the requirements of the Minimum Technical Standards for the Practice of Land Surveying in the State of Alabama.

Robbin E. Phillips, Al. L.S. #14976 — 4/25/01
Date

REVISIONS

NO	DATE	DESCRIPTION	BY

If seal is not colored red, the drawing is a copy that should be assumed to contain unauthorized alterations. Certification contained on this document does not apply unless sealed in red.

PARAGON
ENGINEERING INC
SUITE 230
2320 HIGHLAND AVENUE SOUTH
BIRMINGHAM, ALABAMA 35205
(205) 939-1119

EASEMENT SURVEY
LOCATED IN
the SE 1/4 of the SE 1/4
SEC. 2, TWP 20S, RNG 10E
RANDOLPH COUNTY, ALABAMA

DRAWN: REP	CHECKED: AFC
DATE: APRIL 25, 2001	
SCALE: 1" = 100'	
F.B. 540	PAGE 1-17
DISC: DC	FILE: 01019802
QUAD. NAME: OFELIA	
PROJECT NO: 8-01019	
SHEET NO: 1 OF 1	

STATE OF ALABAMA
RANDOLPH COUNTY

A parcel of land situated in the South Quarter of Section 2, Township 20 South, Range 10 East, Randolph County, Alabama, being more particularly described as follows:

Commence at a rock marking the accepted Southeast corner of Section 2, Township 20 South, Range 10 East, Randolph County, Alabama; thence turn an angle left of 73°47'15" from the accepted East line of the Southeast Quarter of the Southeast Quarter of said Section and run in a Northwesterly direction 2671.61 feet to the Point of Beginning of the herein described parcel, said point hereinafter known as Point A; thence deflect 80°40'13" and run to the left in a Southeasterly direction 110.00 feet; thence turn an interior angle of 100°57'16" and run to the right in a Northwesterly direction 79.43 feet; thence turn an interior angle of 223°36'05" and run to the left in a Southwesterly direction 40.00 feet; thence turn an interior angle of 131°24'34" and run to the right in a Northwesterly direction 150.00 feet; thence turn an interior angle of 90°00'00" and run to the right in a Northeasterly direction 100.00 feet; thence turn an interior angle of 90°00'00" and run to the right in an Southeasterly direction 105.00 feet; thence turn an interior angle of 270°00'00" and run to the left in a Northeasterly direction 63.25 feet; thence turn an interior angle of 84°02'05" and run to the right in an Southeasterly direction 162.90 feet to the point of beginning, containing 0.723 acres more or less.

Together with a forty foot ingress/egress and utility easement extending from the Easterly line of the above described parcel to the Northerly right of way of Alabama Highway #48, said easement lying twenty feet on either side of and parallel to the following described centerline:

Commence at the aforementioned Point A, being the Northeast corner of the above described parcel, and run in a Southwesterly direction along the Easterly line of said parcel 55.00 feet to the point of beginning of the herein described centerline easement; thence deflect 90°00'00" and run to the left in a Southeasterly direction 16.09 feet to a point of curvature; thence run along the arc of a curve to the right having a central angle of 49°04'22" and a radius of 80.00 feet in a Southeasterly direction 68.52 feet; thence run tangent to the last described curve in a Southeasterly direction 106.10 feet to a point of curvature; thence run along the arc of a curve to the left having a central angle of 27°18'16" and a radius of 120.00 feet in a Southeasterly direction 57.19 feet more or less to the Northerly right of way of Alabama Highway #48 and the end of the herein described centerline.

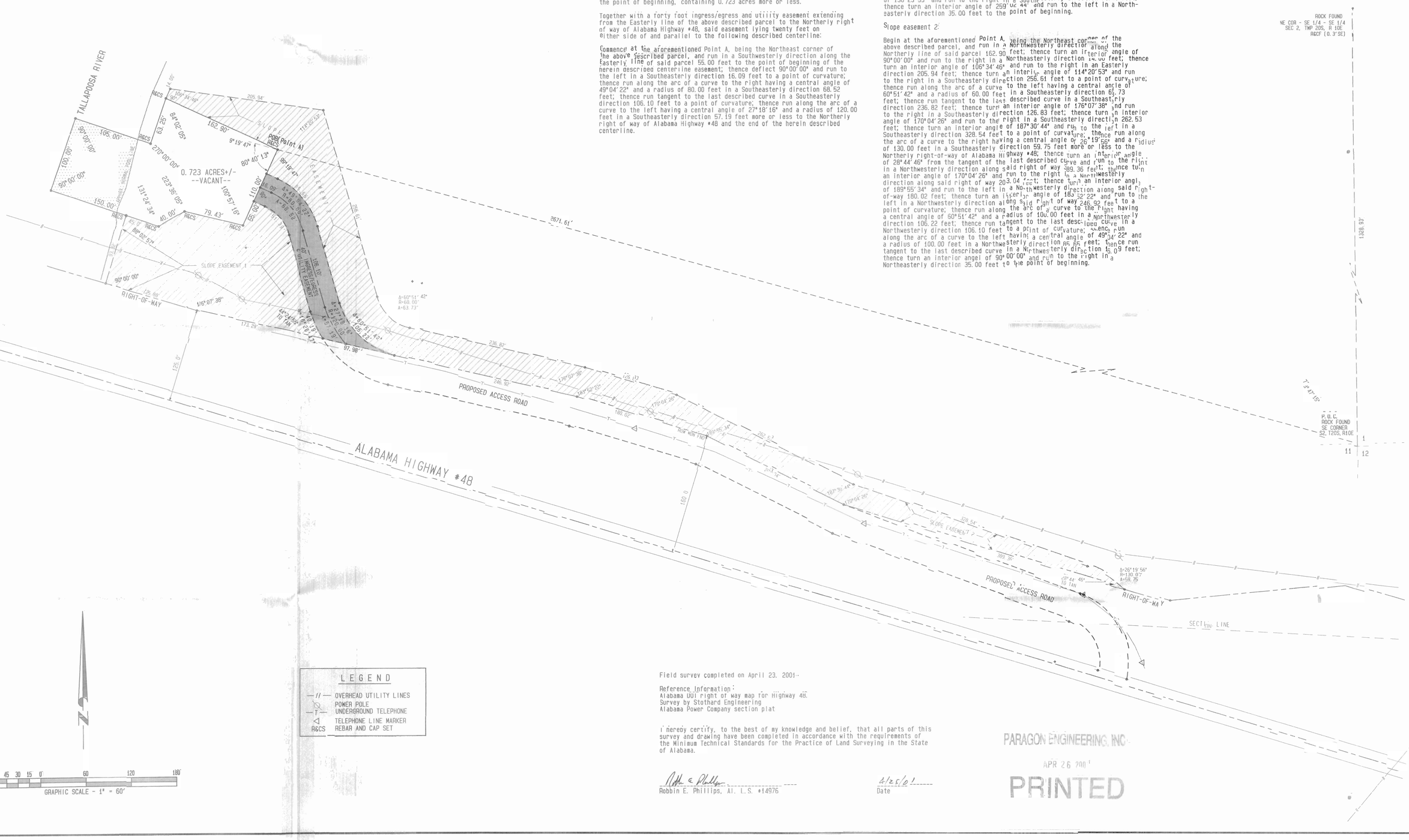
Also: Two slope easements of varying widths located adjacent to the above described parcels, being more particularly described as follows:

Slope easement 1:

Commence at the aforementioned Point A, being the Northeast corner of the above described parcel, and run in a Southwesterly direction along the Easterly line of said parcel 75.00 feet to the point of beginning of the herein described easement; thence deflect 90°00'00" and run to the left in a Southeasterly direction 16.09 feet to a point of curvature; thence run along the arc of a curve to the right having a central angle of 49°04'22" and a radius of 60.00 feet in a Southeasterly direction 51.39 feet; thence run tangent to the last described curve in a Southeasterly direction 106.10 feet to a point of curvature; thence run along the arc of a curve to the left having a central angle of 16°26'47" and a radius of 140.00 feet in a Southeasterly direction 40.19 feet more or less to the Northerly right of way of Alabama Highway #48; thence turn an interior angle of 44°24'55" from the tangent of the last described curve and run to the right in a Westerly direction along said right-of-way 173.29 feet; thence turn an interior angle of 176°07'38" and run to the right in a Northwesterly direction along said right of way 125.88 feet; thence turn an interior angle of 90°00'00" and run to the right in a Northeasterly direction 93.32 feet; thence turn an interior angle of 88°02'57" and run to the right in a Southeasterly direction 45.00 feet; thence turn an interior angle of 223°36'05" and run to the left in a Northeasterly direction 40.00 feet; thence turn an interior angle of 136°23'55" and run to the right in a Southeasterly direction 79.43 feet; thence turn an interior angle of 259°02'44" and run to the left in a Northeasterly direction 35.00 feet to the point of beginning.

Slope easement 2:

Begin at the aforementioned Point A, being the Northeast corner of the above described parcel, and run in a Northwesterly direction along the Northerly line of said parcel 162.90 feet; thence turn an interior angle of 90°00'00" and run to the right in a Northeasterly direction 14.00 feet; thence turn an interior angle of 106°34'46" and run to the right in an Easterly direction 205.94 feet; thence turn an interior angle of 114°20'53" and run to the right in a Southeasterly direction 256.61 feet to a point of curvature; thence run along the arc of a curve to the left having a central angle of 60°51'42" and a radius of 60.00 feet in a Southeasterly direction 63.73 feet; thence run tangent to the last described curve in a Southeasterly direction 236.82 feet; thence turn an interior angle of 176°07'38" and run to the right in a Southeasterly direction 126.83 feet; thence turn an interior angle of 170°04'26" and run to the right in a Southeasterly direction 262.53 feet; thence turn an interior angle of 187°30'44" and run to the left in a Southeasterly direction 328.54 feet to a point of curvature; thence run along the arc of a curve to the right having a central angle of 26°19'56" and a radius of 130.00 feet in a Southeasterly direction 59.75 feet more or less to the Northerly right-of-way of Alabama Highway #48; thence turn an interior angle of 28°44'46" from the tangent of the last described curve and run to the right in a Northwesterly direction along said right of way 599.36 feet; thence turn an interior angle of 170°04'26" and run to the right in a Northwesterly direction along said right of way 203.04 feet; thence turn an interior angle of 189°55'34" and run to the left in a Northwesterly direction along said right-of-way 180.02 feet; thence turn an interior angle of 183°22'22" and run to the left in a Northwesterly direction along said right of way 246.92 feet to a point of curvature; thence run along the arc of a curve to the right having a central angle of 60°51'42" and a radius of 100.00 feet in a Northwesterly direction 106.22 feet; thence run tangent to the last described curve in a Northwesterly direction 106.10 feet to a point of curvature; thence run along the arc of a curve to the left having a central angle of 49°04'22" and a radius of 100.00 feet in a Northwesterly direction 85.65 feet; thence run tangent to the last described curve in a Northwesterly direction 15.09 feet; thence turn an interior angel of 90°00'00" and run to the right in a Northeasterly direction 35.00 feet to the point of beginning.



LEGEND

- OVERHEAD UTILITY LINES
- POWER POLE
- UNDERGROUND TELEPHONE
- TELEPHONE LINE MARKER
- RBCS REBAR AND CAP SET

GRAPHIC SCALE - 1" = 60'

Field survey completed on April 23, 2001.

Reference Information:
Alabama DOT right of way map for Highway 48.
Survey by Stothard Engineering
Alabama Power Company section plat

I hereby certify, to the best of my knowledge and belief, that all parts of this survey and drawing have been completed in accordance with the requirements of the Minimum Technical Standards for the Practice of Land Surveying in the State of Alabama.

Robbin E. Phillips, Al. L.S. #14976

4/25/01
Date

PARAGON ENGINEERING, INC.
APR 26 2001
PRINTED

REVISIONS
BY
DESCRIPTION
DATE

PARAGON ENGINEERING INC
SUITE 230
2320 HIGHLAND AVENUE SOUTH
BIRMINGHAM, ALABAMA 35205

PARAGON ENGINEERING, INC. BIRMINGHAM, ALABAMA

BOUNDARY and EASEMENT SURVEY
a portion of
Alabama Power Company Property
located in:
the South One-Quarter
of SEC. 2, TWP 20S, RNG 10E

DRAWN	CHECKED
REP	AFC

DATE APRIL 25, 20

SCALE 1" = 60'

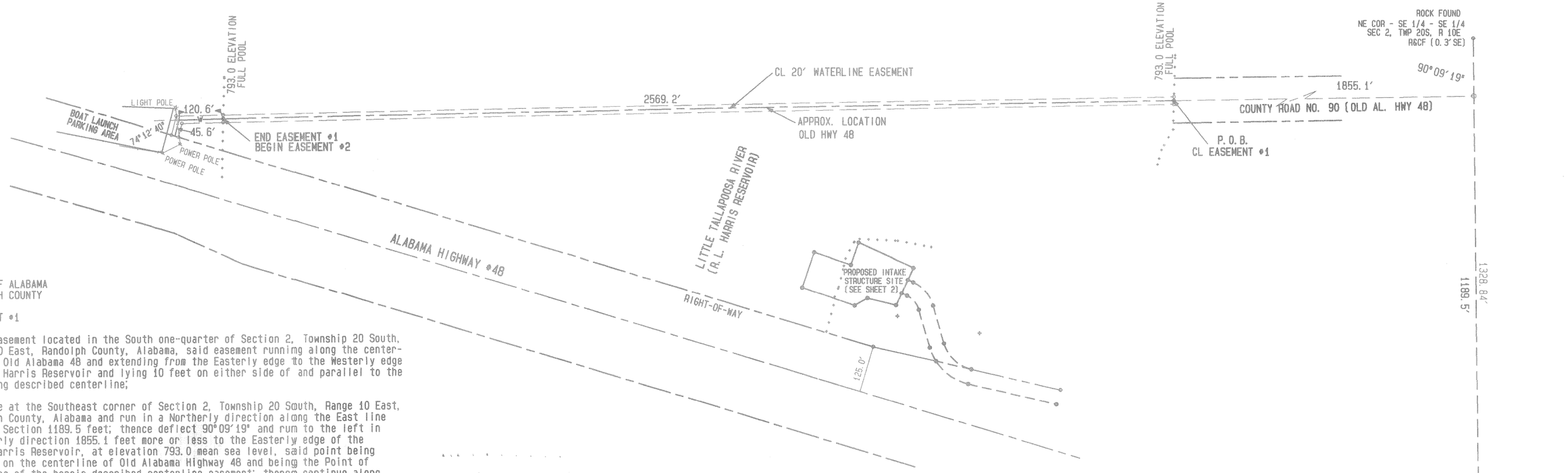
F.B. 540 PAGE 1

DISC: DC FILE:01019

QUAD. NAME: OFELIA

PROJECT NO: 8-01019

SHEET NO: 1 OF 1



STATE OF ALABAMA
RANDOLPH COUNTY

EASEMENT #1

A 20' easement located in the South one-quarter of Section 2, Township 20 South, Range 10 East, Randolph County, Alabama, said easement running along the centerline of Old Alabama 48 and extending from the Easterly edge to the Westerly edge of R.L. Harris Reservoir and lying 10 feet on either side of and parallel to the following described centerline;

Commence at the Southeast corner of Section 2, Township 20 South, Range 10 East, Randolph County, Alabama and run in a Northerly direction along the East line of said Section 1189.5 feet; thence deflect 90°09'19" and run to the left in a Westerly direction 1855.1 feet more or less to the Easterly edge of the R. L. Harris Reservoir, at elevation 793.0 mean sea level, said point being located on the centerline of Old Alabama Highway 48 and being the Point of Beginning of the herein described centerline easement; thence continue along the last described course in a Westerly direction and along the centerline of Old Alabama Highway 48 for 2569.2 feet, more or less, to the Westerly edge of said R. L. Harris Reservoir at elevation 793.0 mean sea level, being the end of the herein described centerline easement.

EASEMENT #2

A 20' easement located in the South one-quarter of Section 2, Township 20 South, Range 10 East, Randolph County, Alabama, said easement lying 10 feet on either side of and parallel to the following described centerline:

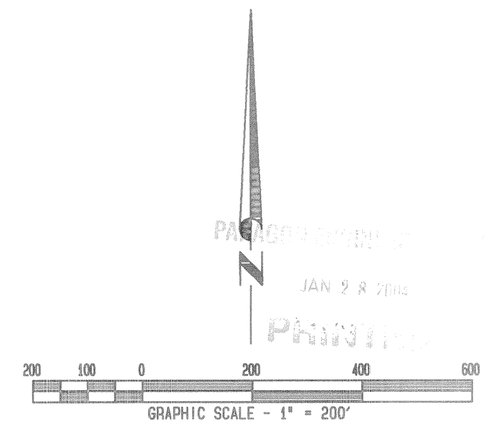
Commence at the Southeast corner of Section 2, Township 20 South, Range 10 East, Randolph County, Alabama and run in a Northerly direction along the East line of said Section 1189.5 feet; thence deflect 90°09'19" and run to the left in a Westerly direction 4424.3 feet, more or less, to the Westerly edge of the R. L. Harris Reservoir, at elevation 793.0 mean sea level, said point being located on the centerline of Old Alabama Highway 48 and being the Point of Beginning of the herein described centerline easement; thence continue along the last described course in a Westerly direction and along the centerline of Old Alabama Highway 48 for 120.6 feet, thence deflect 74°12'40" to the left and run in a Southerly direction for 46 feet, more or less, to the Northerly right-of-way of the New Alabama Highway #48 and the end of the herein described centerline easement.

Field survey completed on April 23, 2001.

Reference Information:
Alabama DOT right of way map for Highway 48.
Alabama DOT right of way map for Old Highway 48
Survey by Stothard Engineering
Alabama Power Company section plat

I hereby certify, to the best of my knowledge and belief, that all parts of this survey and drawing have been completed in accordance with the requirements of the Minimum Technical Standards for the Practice of Land Surveying in the State of Alabama.

Robbin E. Phillips, Al. L.S. #14976 — Date 1/28/04



PARAGON ENGINEERING INC
JAN 28 2004
PRINTED

EASEMENT SURVEY
a portion of
Alabama Power Company Property
LOCATED IN
the South One-Quarter
SEC. 2, TWP 20S, RNG 10E
RANDOLPH COUNTY, ALABAMA

PARAGON ENGINEERING INC
SUITE 230
2320 HIGHLAND AVENUE SOUTH
BIRMINGHAM, ALABAMA 35205
(205) 939-1119

If seal is not colored red, the drawing is a copy that should be assumed to contain unauthorized alterations. Certification contained on this document does not apply unless sealed in red.

REVISIONS			
NO	DATE	DESCRIPTION	BY
1	1/23/04	MOVED PROPOSED CL E'SMT TO CL OLD HWY	rep
2	1/29	REMOVE OLD ROW	RG.P

SHEET NO:	4 OF 4
PROJECT NO:	8-01019
QUAD. NAME:	OFELIA
DISC:	DC
FILE:	01019BD2
F.B.	540
PAGE	1-19
SCALE	1" = 60'
DATE	JUNE 08, 2001
DRAWN	REP
CHECKED	AFC

APC Harris Relicensing

From: Stan Nelson <snelson@nelsonandco.com>
Sent: Thursday, August 29, 2019 3:45 PM
To: Mark Carter
Cc: Anderegg, Angela Segars; Bearden, Justin; Edge, William; Robert Fletcher; Graham, Stacey A.; Haslbauer, Jennifer; Jeremy Jessup; David Moore; james.R.Schauer@apc.com; Smith, Sheila C.; jctinney@hotmail.com; abwhite@adem.state.al.us; recaton@adem.alabama.gov; john.taylor@al.usda.gov; estreett@mccarter.com; vester.whitmore@gmail.com; mprandolph@gmail.com
Subject: Re: Request to Modify RL Harris Res. Land Use Plan For Randolph Co Raw Water Intake

---

2 pm Central Time.

Stan Nelson, PE
NELSON & COMPANY, PC - Consulting Engineers
400 Emery Drive, Suite 300
Birmingham, AL 35244-4548
Work (205) 989-5690
Fax (205) 989-5672
Cell (205) 585-4600
snelson@nelsonandco.com

On Thu, Aug 29, 2019 at 3:44 PM Mark Carter <Mark.Carter@ferc.gov> wrote:

> Is this 2pm CST? I have a conflict at 2pm EST but can participate at 2pm CST.
>
> Thanks,
>
> Mark Carter
> Environmental Biologist
> Hydropower Administration and Compliance
> FERC - Atlanta Regional Office
> Phone: (678) 245-3083
> Fax: (678) 245-3010
>
> ---
>
> **From:** Anderegg, Angela Segars <ARSEGARS@southernco.com>
> **Sent:** Thursday, August 29, 2019 4:21:17 PM
> **To:** snelson@nelsonandco.com <snelson@nelsonandco.com>
> **Cc:** Bearden, Justin <JBEARDEN@SOUTHERNCO.COM>; Mark Carter <Mark.Carter@ferc.gov>; Edge, William <WAEDGE@southernco.com>; Robert Fletcher <Robert.Fletcher@ferc.gov>; Graham, Stacey A. <SGRAHAM@SOUTHERNCO.COM>; Haslbauer, Jennifer <jhaslbauer@adem.alabama.gov>; Jeremy Jessup <Jeremy.Jessup@ferc.gov>; 'David Moore' <djmoore@adem.alabama.gov>; james.R.Schauer@apc.com <james.R.Schauer@apc.com>; Smith, Sheila C. <SCSMITH@southernco.com>; jctinney@hotmail.com <jctinney@hotmail.com>; abwhite@adem.state.al.us <abwhite@adem.state.al.us>; recaton@adem.alabama.gov <recaton@adem.alabama.gov>; john.taylor@al.usda.gov <john.taylor@al.usda.gov>; estreett@mccarter.com

<estreett@mccarter.com>; vester.whitmore@gmail.com <vester.whitmore@gmail.com>; mprandolph@gmail.com <mprandolph@gmail.com>
Subject: FW: Request to Modify RL Harris Res. Land Use Plan For Randolph Co Raw Water Intake

Hi Stan,

I am available for a conference call Tuesday, September 3 at 2 PM.

Thanks,

Angie Anderegg

Hydro Services

(205)257-2251

arsegars@southernco.com

From: Smith, Sheila C. <SCSMITH@southernco.com>
Sent: Thursday, August 29, 2019 2:53 PM
To: Anderegg, Angela Segars <ARSEGARS@southernco.com>
Subject: FW: Request to Modify RL Harris Res. Land Use Plan For Randolph Co Raw Water Intake

Sheila Smith / Land Supervisor

Office: 256-396-5093 / Cell: 256-610-3243

Alabama Power

From: Stan Nelson <snelson@nelsonandco.com>
Sent: Thursday, August 29, 2019 2:26 PM
To: aanderegg@southernco.com
Cc: Bearden, Justin <JBEARDEN@SOUTHERNCO.COM>; Mark Carter <mark.carter@ferc.gov>; Edge, William <WAEDGE@southernco.com>; Robert Fletcher <robert.fletcher@ferc.gov>; Graham, Stacey A. <SGRAHAM@SOUTHERNCO.COM>; Haslbauer, Jennifer <jhaslbauer@adem.alabama.gov>; jeremy.jessup@ferc.gov; djmoore@adem.alabama.gov; James.R.Schauer@apc.com; Smith, Sheila C. <SCSMITH@southernco.com>; John Tinney <jctinney@hotmail.com>; White, Aimee B <ABWhite@adem.state.al.us>; Caton, Ross E <recaton@adem.alabama.gov>; John Taylor <john.taylor@al.usda.gov>; estreett@mccarter.com; vester.whitmore@gmail.com; Mark Prestridge <mprandolphwater@gmail.com>
Subject: Request to Modify RL Harris Res. Land Use Plan For Randolph Co Raw Water Intake

Please see the attached request.

Stan Nelson, PE
NELSON & COMPANY, PC - Consulting Engineers
400 Emery Drive, Suite 300
Birmingham, AL 35244-4548
Work (205) 989-5690
Fax (205) 989-5672
Cell (205) 585-4600
snelson@nelsonandco.com

APC Harris Relicensing

From: APC Harris Relicensing
Sent: Tuesday, September 3, 2019 2:59 PM
To: snelson@nelsonandco.com; mprandolph@gmail.com
Subject: FW: HAT 4 meeting - September 11, 2019

Good afternoon,

Details for our HAT 4 meeting next week are below. I'll make sure you both are added to the HAT 4 stakeholder list so you get communications in the future.

Thanks,

Angie Anderegg
Hydro Services
(205)257-2251
arsegars@southernco.com

From: Anderegg, Angela Segars <ARSEGARS@southernco.com>
Sent: Tuesday, August 13, 2019 1:54 PM
To: APC Harris Relicensing <g2apchr@southernco.com>
Subject: HAT 4 meeting - September 11, 2019

HAT 4,

Alabama Power will be hosting a series of HAT meetings on **Wednesday, September 11, 2019 at the Oxford Civic Center,** 401 Mccullars Ln, Oxford, AL 36203. The HAT 4 meeting will be from **12:30 to 1:15**. The purpose of the HAT 4 meeting is to present Alabama Power's proposed land use changes at the Harris Project, including lands that Alabama Power may propose to be removed or included in the project boundary, or those lands proposed to change land use classification.

Please RSVP by Friday, September 6, 2019. Lunch will be provided (~11:45) so please indicate any food allergies or vegetarian preferences on or before September 6, 2019. I encourage everyone to attend in person. If this is not feasible, we are also offering a Skype option (info below). It would be ideal to join on your computer as we will be viewing presentations and maps.

If you have any questions about the agenda or meetings, please email or call me at ARSEGARS@southernco.com or (205) 257-2251.

Join Skype Meeting [meet.lync.com]

Trouble Joining? Try Skype Web App [meet.lync.com]

Join by phone

Toll number: +1 (207) 248-8024

Find a local number [dialin.lync.com]

Conference ID: 892052380

Angie Anderegg
Hydro Services
(205)257-2251
arsegars@southernco.com

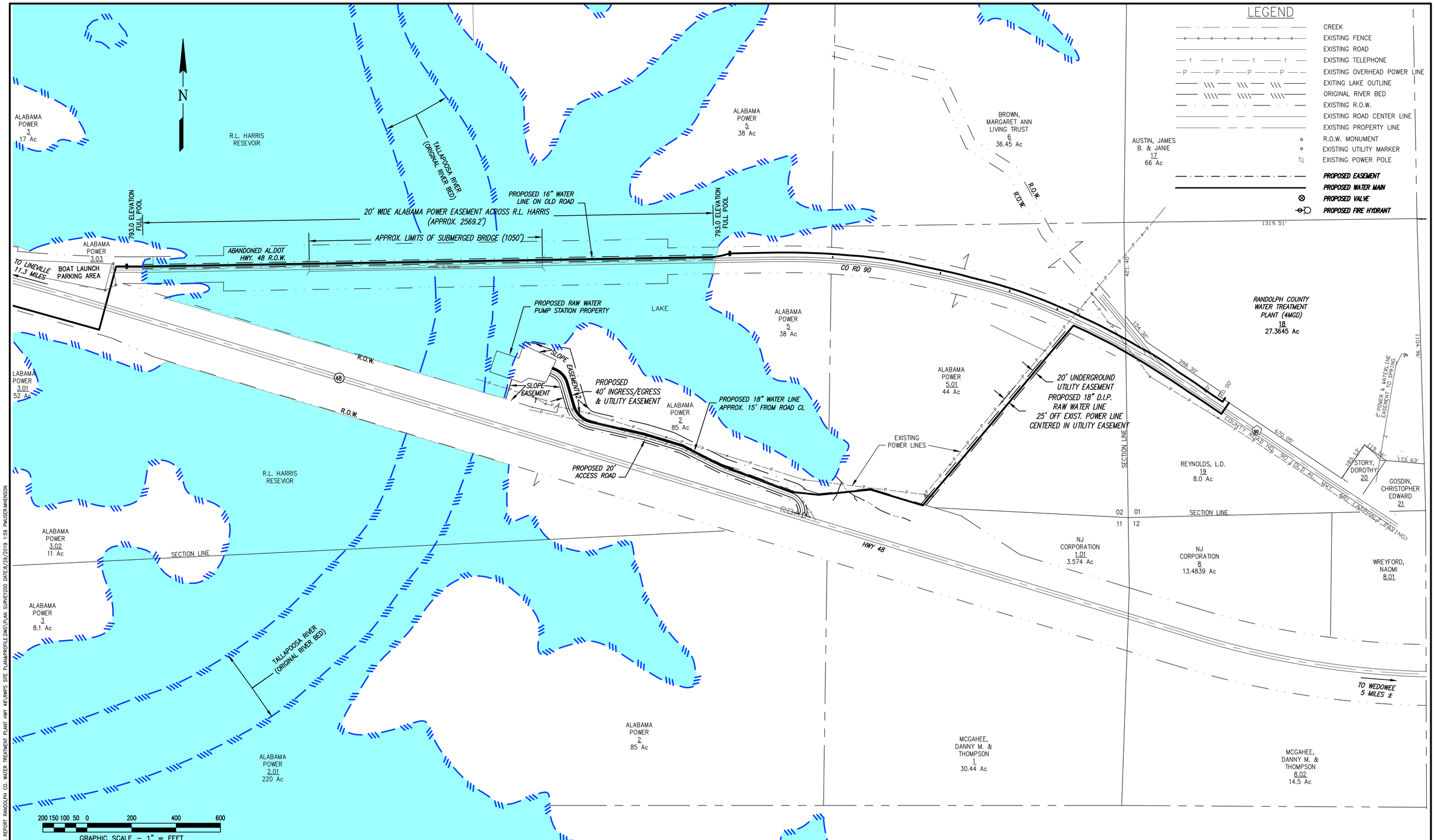
APC Harris Relicensing

From: Stan Nelson <snelson@nelsonandco.com>
Sent: Wednesday, September 4, 2019 12:28 PM
To: Anderegg, Angela Segars
Cc: Mark Prestridge; vester.whitmore@gmail.com; John Tinney; Clay Tinney; John Taylor; Mark Carter; Robert Fletcher; pwebb@webbconcrete.com; phillweb@clarkmhc.com; dpwebb@gmail.com; dpwebb@webbconcrete.com; senator@shelby.senate.gov; Caton, Ross E; Randy.Price@alsenate.gov; bob.fincher@alhouse.gov
Subject: Randolph County Hwy 48 Water Plant - Followup on 9-3-19 Conf Call
Attachments: Followup of 9-3-19 Conference Call.pdf; 1.1 Alabama Power Needed Property.pdf

---

Please see the attached.

Stan Nelson, PE
NELSON & COMPANY, PC - Consulting Engineers
400 Emery Drive, Suite 300
Birmingham, AL 35244-4548
Work (205) 989-5690
Fax (205) 989-5672
Cell (205) 585-4600
snelson@nelsonandco.com



NO.	DATE	REVISIONS	CHKD.	APPR.
1	08/28/19	PROJECT 111-W46	RSN	RSN

NO.	DATE	REVISIONS	CHKD.	APPR.

DRAWN MGH
CHECKED SWN
APPROVED

NELSON & COMPANY, PC
Civil and Environmental Engineering
400 Emery Drive – Suite 300
Birmingham, Alabama 35244
(205)989-5690 FAX (205)989-5672

RANDOLPH COUNTY, ALABAMA
MUNICIPAL WATER SYSTEM IMPROVEMENTS

PROPERTY & EASEMENTS NEEDED FROM ALABAMA POWER

REV. 1

111-46-FIG 1.1

U:\RANDOLPH COUNTY\111-46 REPORT RANDOLPH CO. WATER TREATMENT PLANT HWY 48\RWPS SITE PLAN&PROFILE.DWG\PLAN SURVEY200 DATE:8/29/2019 1:59 PMUSERMHENSON

NELSON & COMPANY, PC
Civil & Environmental Engineering
400 Emery Drive, Suite 300
Birmingham, Alabama 35244
(205) 989-5690 (205) 989-5672 FAX
Cell/Car (205) 585-4600
E-mail - SNelson@NelsonAndCo.com

September 4, 2019

Ms. Angela Anderegg, Project Manager
Alabama Power Company
Hydro Re-licensing
600 North 18th Street
Birmingham, AL 35203

REF: Proposed Highway 48 Regional Water Treatment Plant
Owner: Randolph County Water, Sewer and Fire Protection Authority
Project No.: 111-46

Dear Ms. Anderegg:

I was very disappointed in your comments during our conference call yesterday, that the location of the proposed raw water intake is not compatible "with all that is going on" near that site. One of the most important functions that a government has is to provide a high quality, affordable, and dependable drinking water supply. Water is required for life and is more important than power generation, recreation, a marina, or the proposed resort. The selected site is very compatible with the adjacent Hwy 48 Bridge, as the concrete raw water intake structure is no less objectionable than the concrete piers that support the Bridge and is far less of an obstacle to boat traffic.

Section 10(a)(1) of the Federal Power Act charges the Federal Energy Regulatory Commission with ensuring that all licensed projects:

"be best adapted to a comprehensive plan for improving or developing a waterway or waterways for the use or benefit of interstate or foreign commerce, for the improvement and utilization of waterpower development, for the adequate protection, mitigation, and enhancement of fish and wildlife (including related spawning grounds and habitat), and for other beneficial public uses, including irrigation, flood control, **water supply**, and recreational and other purposes referred to in section 4(e); and, if necessary, in order to secure such a plan, the Commission shall have authority to require the modification of any project and of the plans and specifications of the project works before approval."

The proposed raw water pump station and water treatment plant sites are not dependent on the RL Harris Reservoir. With the raw water pumping station being at the main channel of the Tallapoosa River, just downstream of the confluence of the Tallapoosa and the Little Tallapoosa Rivers, the raw water pump station is not dependant on the re-licensing of the RL Harris Reservoir, but does takes advantage of the reservoir by being able to withdraw water from different depths. The raw water pump station site is ideal, affords protection above the 500 year flood elevation; and is adjacent to existing power lines and Highway 48. The proposed water treatment facilities will provide a dependable supply of water forever to Randolph County and parts of the surrounding Clay, Cleburne, Chambers and Heard (Ga) Counties. The proposed facilities have been reviewed and

signed off by the following agencies:

East Alabama Regional Planning Commission
Randolph County Commission
Alabama Department of Environmental Management (ADEM)
Alabama Historical Commission
Alabama Department of Transportation
Alabama Office of Water Resources
Alabama Department of Conservation and Natural Resources
    Alabama Marine Police Division
    Alabama State Lands Division
US Environmental Protection Agency (EPA)
US Natural Resources Conservation Service (NRCS)
US Fish & Wildlife Service
US Army Corps of Engineers
USDA - Rural Development
Lake Wedowee Homeowners Association

I am confident that the RL Harris Land Use Plan can quickly be amended and approved by FERC to allow for the needed water facilities to serve the region.

Please advise how we can work together to cut the red tape and get the proposed Highway 48 water treatment system constructed as soon as possible.

Sincerely,
NELSON & COMPANY, PC
Civil and Environmental Engineering

Stan Nelson
President

Randolph County Water, Sewer and Fire Protection Authority - Board of Directors
Alabama Power - Board of Directors
Mark Carter, FERC
Senator Richard Shelby
US Representative Mike Rogers
Governor Kay Ivey
State Senator Randy Price
State Representative Bob Fincher (R-AL 37th District)
John Taylor, PE - USDA-Rural Development, State Engineer
Ross Caton, PE - Chief, ADEM Drinking Water Section

APC Harris Relicensing

From: Stan Nelson <snelson@nelsonandco.com>
Sent: Thursday, September 5, 2019 5:12 PM
To: aanderegg@southernco.com
Cc: Mark Prestridge; vester.whitmore@gmail.com
Subject: 111-46 Randolph County Hwy 48 Regional WTP
Attachments: Enter Authority's Request in Minutes of HAT4 Meeting.pdf

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Please see the attached. I look forward to seeing you next week at the HAT4 meeting.

Stan Nelson, PE
NELSON & COMPANY, PC - Consulting Engineers
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Birmingham, AL 35244-4548
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E-mail - SNelson@NelsonAndCo.com

September 5, 2019

Ms. Angela Anderegg, Project Manager
Alabama Power Company
Hydro Re-licensing
600 North 18th Street
Birmingham, AL 35203

REF: Proposed Highway 48 Regional Water Treatment Plant
Owner: Randolph County Water, Sewer and Fire Protection Authority (Authority)
Project No.: 111-46

Dear Ms. Anderegg:

I am confident that the RL Harris Land Use Plan can quickly be amended and approved by FERC to allow for the needed water facilities to serve the region. The proposed plant will serve parts of 5 counties in Alabama and Georgia.

Representatives of the Authority and I will attend your HAT 4 meeting next week. Please enter into the records of the meeting the Authority's request to secure property from Alabama Power to construct the Highway 48 Regional Water Treatment Plant. Support letters from the attached individuals and organizations will be requested and provided to you in the near future.

Please advise how we can work together to cut the red tape and get the proposed Highway 48 Regional Water Treatment system constructed as soon as possible.

Sincerely,
NELSON & COMPANY, PC
Civil and Environmental Engineering

Stan Nelson

Stan Nelson
President

Randolph County Water, Sewer and Fire Protection Authority - Board of Directors

Organization or Person Requested for Support	*Note:*
Town of Ranburne (Cleburne County), AL	Water customer
Town of Woodland (Randolph County), AL	Water customer
Town of Wadley (Randolph County), AL	Water customer
Town of Wedowee (Randolph County), AL	Water customer and two way interconnection
City of Roanoke (Randolph County), AL	Emergency water connection
East Alabama Water Authority (Chambers County)	Water customer
Heard County, Georgia Water Authority	Currently a one way feed should be converted to a two way emergency interconnection in 2020.
City of Lineville (Clay County), AL	Water customer (2020)
Clay County Water Authority	Water customer (2020)[1]
City of Ashland (Clay County), AL	Water customer (2020)
Randolph County Commission	
Randolph County Health Department	
Randolph County Industrial Development Board	
Randolph County Chamber of Commerce	
Clay County Commission	
Clay County Health Department	
Clay County Industrial Development Board	
Clay County Chamber of Commerce	
Chambers County Commission	
Chambers County Health Department	
Chambers County Industrial Development Board	
Lake Wedowee Property Owners Association	
Roanoke Rotary Club	
Roanoke Kiwanis Club	

[1]The interconnection between the Clay County Water Authority and the Randolph County Water, Sewer and Fire Protection Authority is currently under construction in Clay County. Completion is schedules for early 2020.

Organization or Person Requested for Support	*Note:*
Roanoke Lions Club	
Ashland Kiwanis Club	
Delta Exchange Club	
Emerald Triangle	
Wedowee Lions Club	
REGIONAL PLANNING	
East Alabama Regional Planning and Development Commission	Regional Planning and A95 Clearinghouse Review
FEDERAL	
President Donald J. Trump	
US Senator Richard Shelby, Alabama	
US Senator Doug Jones, Alabama	
US Representative Mike Rogers, AL 3rd Dis.	
US Senator Johnny Isakson, Georgia	
US Senator David Perdue, Georgia	
US Representative Drew Ferguson, GA 3rd Dis.	
FERC	
FERC Chairman Neil Chatterjee	
FERC Commissioner Richard Glick	
FERC Commissioner Bernard McNamee	
Mr. Robert Fletcher	FERC, Chief of Hydro Compliance Sec.
Mr. Mark Carter	FERC Atlanta, Office
US-EPA	Provided financing for a major portion of the water line that loops Randolph County and crosses Lake Wedowee.

Organization or Person Requested for Support	*Note:*
USDA - Rural Development	Have financed all of the water system improvements to the Randolph County Water System not funded by EPA, ARC and CDBG.
US Fish & Wildlife Service	
US Army Corps of Engineers	
STATE OF ALABAMA	
Governor Kay Ivey	
Alabama State Senator Randy Price	
Alabama State Representative Bob Fincher (AL 37th District)	
Alabama Department of Economic and Community Affairs	Have provided CDBG Grants to fund many of the water lines in Randolph County to serve low and moderate income residents
Alabama Department of Environmental Management (ADEM)	Have recommended Lake Wedowee as a water source over a site considered on the Little Tallapoosa River at Meadows Bridge
Alabama Department of Conservation and Natural Resources - Alabama State Lands Division	
Alabama Department of Conservation and Natural Resources - Alabama Marine Police Division	
Alabama Office of Water Resources	
STATE OF GEORGIA	
Governor Brian Kemp	
Georgia Senator Matt Brass, GA 28th Dis.	
Georgia Environmental Protection Division	

HAT 4 (Project Lands) Stakeholder Meeting Summary
September 11, 2019
12:30 pm to 1:30 pm
Oxford Civic Center, Oxford, AL

Participants:
See Attachment A

Participants by Phone:
Maria Clark – Environmental Protection Agency (EPA)
Keith Gauldin – Alabama Department of Conservation and Natural Resources-Division of Wildlife and Freshwater Fisheries (ADCNR)
Rachel McNamara – Federal Energy Regulatory Commission (FERC)
Sarah Salazar – FERC
Erwin Thompson – Economic Development Council
Kyrstin Wallach – FERC

Action Items:

- Alabama Power will post the HAT 4 meeting summary and all meeting materials to the Harris Relicensing website (www.harrisrelicensing.com)
- Stakeholders should submit their comments to Angie Anderegg at harrisrelicensing@southernco.com on the proposed land use changes on or before October 31, 2019.

Notes:
The following summarizes the September 11, 2019 Harris Action Team (HAT) 4 (Project Lands) meeting. The meeting presentation and maps are included in Attachment B; therefore, this meeting summary focuses on the overall meeting purpose, highlights of the presentation, and stakeholders' questions/comments and Alabama Power's responses.

Introduction – Angie Anderegg (Alabama Power)
Angie introduced the HAT 4 meeting purpose and introduced the participants on the phone. The purpose of the HAT 4 meeting is to present Alabama Power's proposed land use changes at the Harris Project, including lands that Alabama Power may propose to be removed or included in the project boundary, or those lands proposed to change land use classification.
.

Project Lands – Tina Mills (Alabama Power)
Tina Mills reviewed the FERC approved study plan including the four existing land use classifications and stated that Alabama Power is proposing to add a "commercial recreation" classification to the Harris Project land classifications. Tina reviewed Alabama Power's proposal for Project lands: reclassifications; lands added to the Harris Project Boundary; and lands removed from the Harris Project Boundary. Tina explained that reclassifications do not require a change in the Harris Project Boundary; it may be as simple as reclassifying a parcel of land from "recreation" to "natural/undeveloped". Lands that Alabama Power proposes to add to the Harris Project Boundary require a change in the Harris Project Boundary and would add property above elevation 800 feet mean sea level (msl). Lands proposed for removal would also require a change

in the Harris Project Boundary and would remove property above elevation 800' msl. Property within the 800' msl contour would remain in the Project. Tina reviewed each parcel of property included in Alabama Power's proposal. Maps and the presentation are available on the Harris Relicensing website. Keith Gauldin (ADCNR) asked if a parcel currently classified as "hunting" is leased by a private hunting club. Shelia Smith (Alabama Power) indicated that there is no hunting lease on the particular parcel in question.

Rachel McNamara (FERC) asked how Alabama Power would incorporate the results of other studies, such as the recreation study, into this proposal. She asked if the Project lands proposal reflects any results of ongoing studies. Angie and Tina explained that this is Alabama Power's draft proposal based on previous license compliance, FERC Form 80 data collection, and internal expertise but that the proposal may be modified following the results of other studies, particularly the recreation study.

Barry Morris (Lake Wedowee Property Owners Association-LWPOA) asked that if a parcel is reclassified as part of this relicensing process, how difficult would it be to have the parcel return to its original classification (e.g., a parcel that is currently "recreation" to be reclassified as "natural undeveloped"). Tina noted that Alabama Power would have to get FERC approval to change the land use classification. Sarah Salazar (FERC) reminded stakeholders to review the existing definitions of the land use classifications, because "natural/undeveloped" allows for some recreation activities.

Tina explained Alabama Power's proposal to add "commercial recreation" classification to the Harris Project land classifications. This classification would apply to the property where the Wedowee Marine South is located as well as Alabama Power's shoreline office. Donna Matthews (LWPOA) asked if Alabama Power would develop commercial recreation sites. Tina replied that facilities on those lands would be leased for commercial recreation use and that the areas could remain open to the public for recreation use. Rachel asked if Alabama Power uses the commercial recreation land use classification on any of their other FERC regulated lakes; Tina replied yes.

Stan Nelson (Nelson and Company) asked about the current land use classification for a parcel near the Highway 48 bridge. Tina explained that the parcel in question is currently classified as recreation. Stan explained to HAT 4 that Randolph County Water Authority is interested in locating a proposed raw water intake on a portion of this parcel and that he feels it is compatible with the existing uses of that parcel.

Harry Merrill (LWPOA) asked what it means to "remove" lands from the Project. Tina explained that lands "removed" are those lands no longer within the FERC-regulated Harris Project Boundary. Ken Wills (Alabama Glade Conservation Coalition-AGCC) asked if the lands removed from the Project would be sold. Tina stated that land sales are one option, but Alabama Power could retain lands for other non-project uses.

Tina explained Alabama Power is conducting a study on a 20-acre parcel adjacent to Flat Rock to support the AGCC's request to reclassify that parcel as "natural/undeveloped". Ken asked if Alabama Power wants the botanists surveying that area to also include the portion of property across from the powerlines. Angie noted that Alabama Power will work with the AGCC to determine if that area should be included in the fall 2019 inventory. FERC staff agreed that it would be advantageous to conduct the inventory on all lands proposed for reclassification.

Maria Clark (EPA) asked if Alabama Power was planning to have buffers to avoid potential erosion areas. Tina responded that all Project lands are managed using Best Management Practices (BMPs) to address erosion. Angie also stated that any lands classified as "natural/undeveloped" serve as a "buffer" due to the limited activities and development on these lands and that Alabama Power already has a scenic buffer around Lake Harris.

Rachel McNamara explained that all FERC licensees are required to include only those lands within their Project Boundary that are necessary for project purposes. Barry Morris asked if land removed from the Harris Project Boundary would be available for purchase. Tina responded yes, that those lands would no longer be subject to FERC jurisdiction (i.e., no longer Project lands) but reiterated that land sales are one option. Rachel asked if Alabama Power is conducting terrestrial and cultural surveys on lands that are proposed to be removed from the Harris Project Boundary; Tina confirmed that those lands are being surveyed.

Ken Wills asked if FERC provided licensees with guidance on maintaining green space, or percentages of recreation areas, in a project license. Angie noted that FERC has shoreline management guidelines, but there are no specific percentages of land in any given land use classification—it is very project specific.

Stan Nelson reiterated his request that Alabama Power move forward with the water treatment site proposed on land currently classified as "recreation". He noted that the intake would be located on 0.72 acres and that the raw water lines would parallel the existing electric lines. He noted that the facility must be in deep water that would not be affected by droughts and that the intake could be built to resemble a boat dock or courtesy pier. Angie responded that Alabama Power would add this request to the ongoing list of requests for land use changes. Stan asked what it means for something to be "tied up in relicensing". Angie noted that for sites that are part of a study or other stakeholder request for a land use classification change (reclassify, remove, or add), Alabama Power will need to review all the requests and determine if any conflicts exist and, if so, would seek to resolve any conflicts with the relicensing stakeholders. Any final decision would be made by FERC at the time it issues its licensing decision for the Harris Project.

Taconya Goar (ADCNR) asked if Alabama Power was looking at areas downstream of the Harris Dam for canoe/kayak put in and take out locations, particularly at Wadley. Angie Anderegg indicated that Alabama Power is studying the demand for additional access points and is reviewing potential areas for public access on the Tallapoosa River.

The meeting adjourned at 1:30 pm.

ATTACHMENT A
HARRIS ACTION TEAM 4 MEETING ATTENDEES

HARRIS DAM
RELICENSING

HARRIS PROJECT RELICENSING

HAT 4 SIGN-IN SHEET

September 11, 2019 9:00 AM

	Name/ Affiliation or Organization	Email
1	*John Smith/ Stakeholder*	*jsmith@email.com*
2	Brad Mitchell / Stakeholder	
3	David Smith	
4	Glenell Smith	
5	Kristie Coffman	
6	Taconya Goar, ADCNR	
7	Mitch Reid TNC	
8	Kelly Yates, Env. Affairs	klayates@southernco.com
9	Ken Wills - AGCC	ken.wills@jcdh.org
10	Tom Garland	
11	Mark Prestridge / Randolph County Water	mprandolphwater@gmail.com
12	ALBERT EILAND	

HARRIS DAM
RELICENSING

HARRIS PROJECT RELICENSING

HAT 4 SIGN-IN SHEET

September 11, 2019 9:00 AM

	Name/ Affiliation or Organization	Email
13	Dana Matthews	
14	Jennifer Rasberry	
15	Steve Nelson	Snelson@nelsonandco.com
16	Joel Stevens	
17	Trey Stevens	
18	Mike Holley	
19	Nathan Adcock	
20	Stag Thompson APC	
21	Tina Freeman	
22	Sheila Smith	
23	HARRY E. MERRILL	HARRY.MERRIL147@GMAIL.COM
24	Barry Morris, LWPOA	

HARRIS DAM
RELICENSING

HARRIS PROJECT RELICENSING

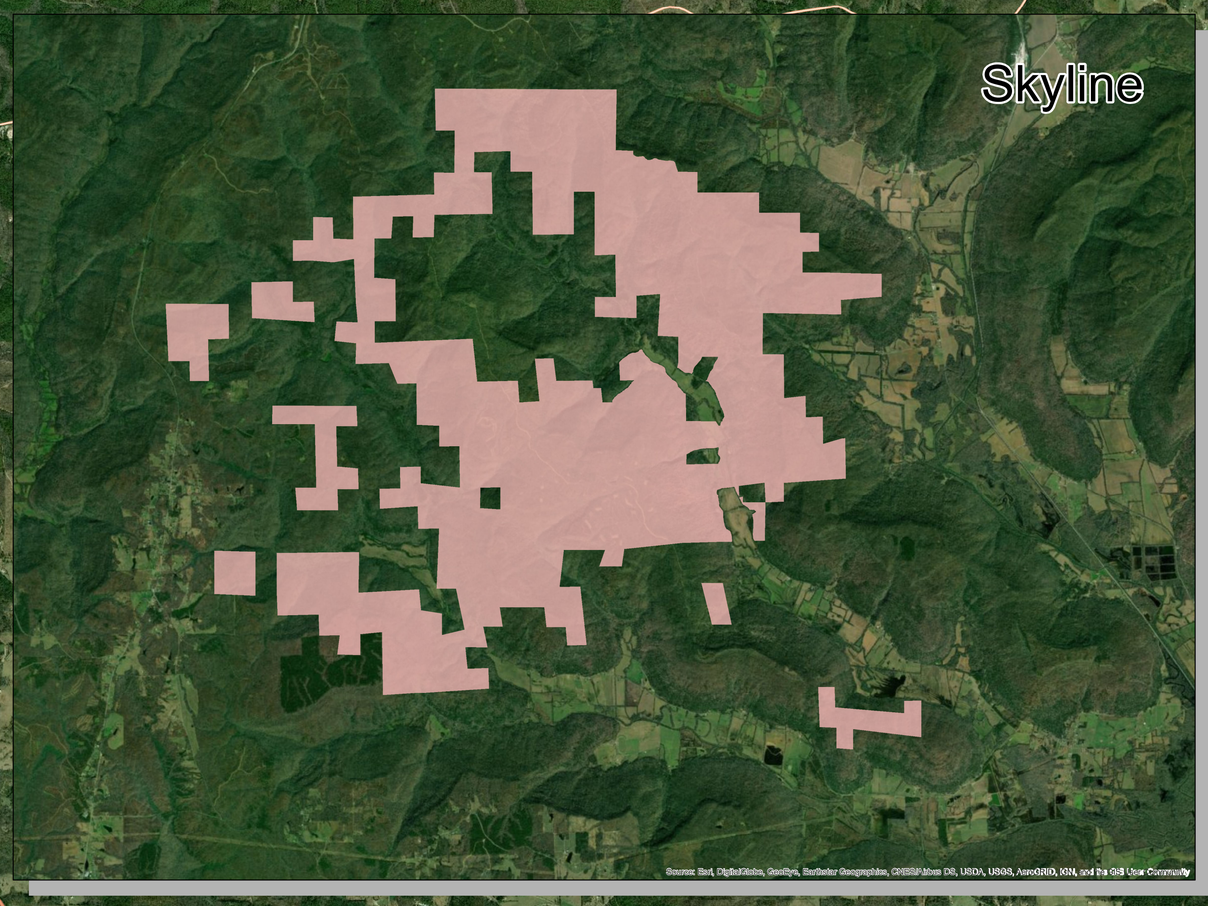
HAT 4 SIGN-IN SHEET

September 11, 2019 9:00 AM

	Name/ Affiliation or Organization	Email
25	Josh Yerby APC	
26	Jason Carlee APC	
27	Stacey Graham	
28		
29		
30		
31		
32		
33		
34		
35		
36		

ATTACHMENT B
SEPTEMBER 11, 2019 HAT 4 PRESENTATION

HAT 4
R.L. Harris Hydroelectric Project
Project Lands Evaluation



RC1 - Reclassify to Natural/Undeveloped

Lee's Bridge Public Launch

Fosters Public Launch

RC2 - Reclassify to Natural/Undeveloped

A1 - Add as Hunting Lands

Swagg Public Launch

Lonnie White Public Launch

R1 - Remove from Project

R3 - Remove from Project

A2 - Add as Natural/Undeveloped

R2 - Remove from Project

RC3 - Reclassify to Natural/Undeveloped

Crescent Crest Public Launch

A3 - Add as Commerical Recreation

RC4 - Reclassify to Commerical Recreation

Little Fox Creek Public Launch

Wedowee South Marine

Highway 48 Public Launch

RC5 - Reclassify to Natural/Undeveloped

A7 - Add as Natural/Undeveloped

RC8 - Reclassify to Natural/Undeveloped

A6 - Add as Natural/Undeveloped

Big Fox Creek Public Launch

A4 - Add as Natural/Undeveloped

RC7 - Reclassify to Natural/Undeveloped

A8 - Add as Natural/Undeveloped

R4 - Remove from Project

A5 - Add as Hunting lands

R5 - Remove from Project

R6 - Remove from Project

RC6 - Reclassify to Recreation

R7 - Remove from Project

Legend

Baseline Classifications

- Natural Undeveloped
- Hunting Lands
- Prohibited Access
- Recreation

Proposed Changes

- Proposed Reclassifications
- Proposed Removals
- Proposed Additions

Classification	*Baseline (ac)*	*Proposed (ac)*	*Difference*
Natural/Undeveloped (including islands)	2,440	2,773	333
Hunting Lands (near reservoir)	2,707	2,910	203
Skyline	15,063	15,063	0
Recreation	874	291	-583
Commercial Recreation	0	150	150
Prohibited Access	312	307	-5
Flood Storage	262	264	2
Scenic Buffer Zone	737	745	8
Total	***22,395***	***22,503***	***108***

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

HARRIS DAM
Alabama Power

0 0.5 1 2 3 4 Miles

Date Created: 09/10/2019
S:\Workgroups\APC Hydro Relicensing\Tina Mills\Projects\Harris\Relicensing\Research\Project Boundary and Land Use\GIS data\mxds\20190910 Project Lands Proposal v1.mxd

HAT 4
Project Lands

HARRIS DAM
RELICENSING

PROJECT LANDS EVALUATION

Goal

Identify lands around Lake Harris and at Skyline that are needed for Harris Project purposes and to classify these lands. Alabama Power will also evaluate the land use classifications for Harris and determine if any changes are needed to conform to Alabama Power's current land classification system and other Alabama Power FERC-approved Shoreline Management Plans. The study will identify lands to be added to, or removed from, the current Harris Project Boundary and/or be reclassified. Alabama Power proposes to use the project lands evaluation information to develop a Wildlife Management Plan (WMP) and a Shoreline Management Plan (SMP).

Geographic Scope

Harris Project Boundary and the associated Project Area.

Methods

Phase 1: Alabama Power will develop a draft map using GIS to show all proposed changes to Harris Project Lands. A botanical inventory of a 20-acre parcel at Flat Rock Park will be conducted and results will be used in the development of the SMP during Phase 2.

Phase 2: Using results of Phase 1, develop a SMP (Phase 2A) and a WMP (Phase 2B).

HARRIS DAM
RELICENSING

Current Land Use Classifications

- Prohibited Access
- Hunting Lands
- Recreation
- Natural Undeveloped Lands

Proposed Land Use Classifications

Commercial Recreation

HARRIS DAM RELICENSING

TYPES OF PROPOSED CHANGES

Reclassifications

- Do not change the Project Boundary
- Only changes the land classification for existing Project Lands

Removals

- Changes the Project Boundary
- Removes property above the 800’ msl contour
- Property within the 800’ msl contour remains in project; reclassified as
    - Flood Storage
    - Scenic Buffer Zone

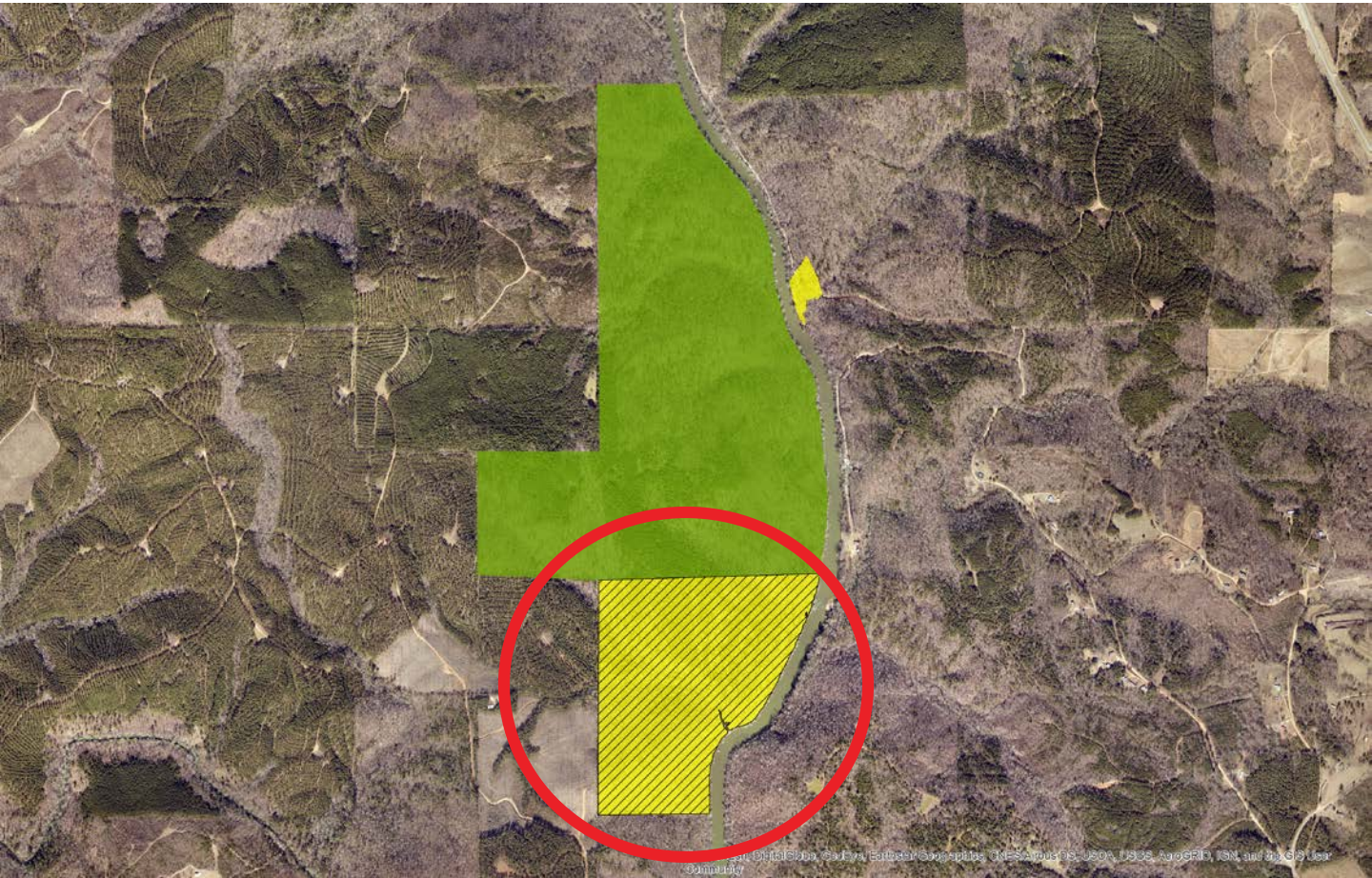
Additions

- Changes the Project Boundary
- Adds property above the 800’ msl contour
- Property within the 800’ msl contour is reclassified to match addition

HARRIS DAM RELICENSING

RECLASSIFICATIONS

RC1 – Reclassify to Natural Undeveloped + /- 105 acres



RECLASSIFICATIONS

RC2 – Reclassify to Natural Undeveloped + /- 63 acres

RECLASSIFICATIONS

RC3 – Reclassify to Natural Undeveloped + /- 61 acres

RECLASSIFICATIONS

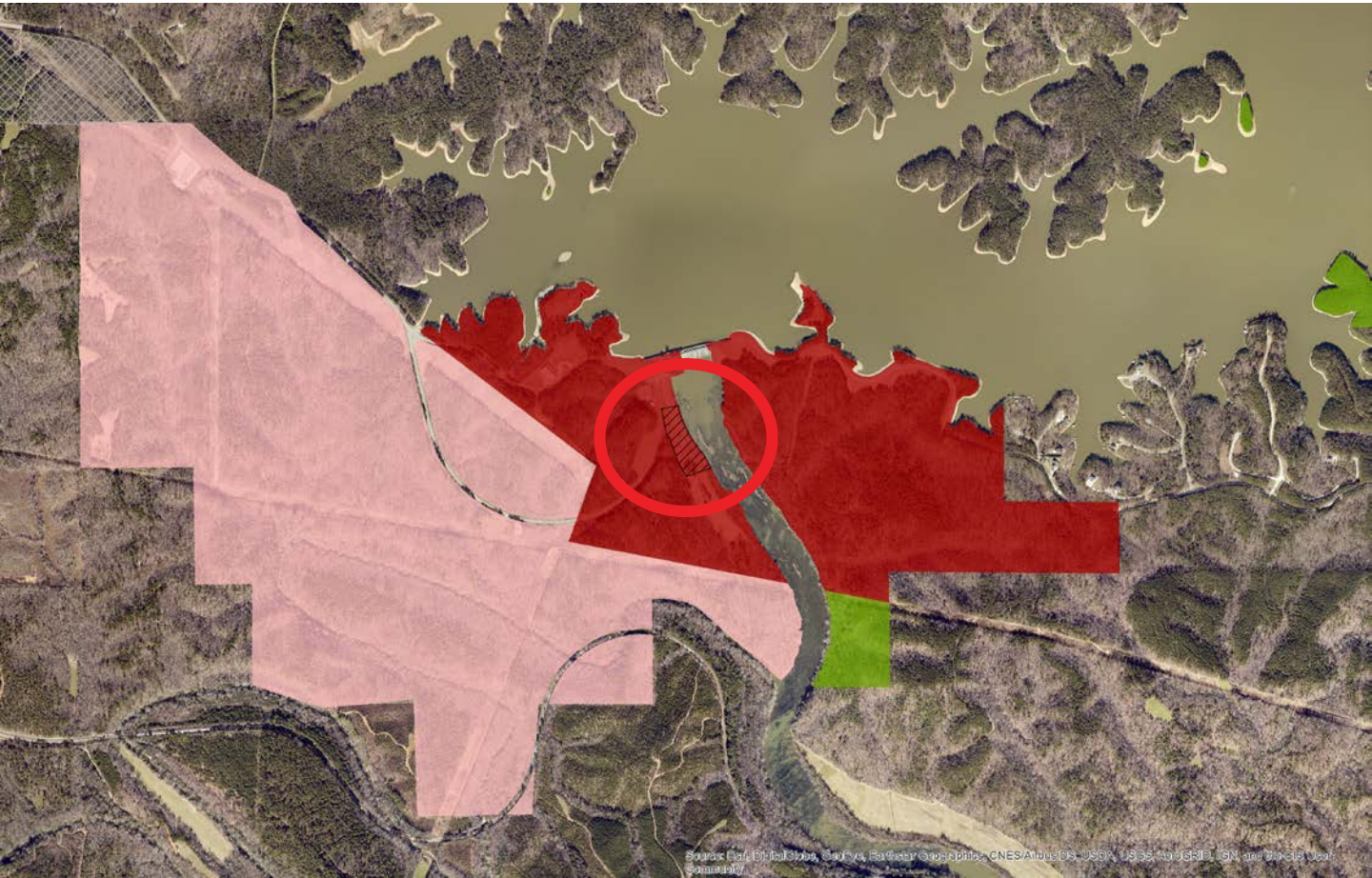
RC4 – Reclassify to Commercial Recreation + /- 148 acres

RECLASSIFICATIONS

RC5 – Reclassify to Natural Undeveloped + /- 69 acres

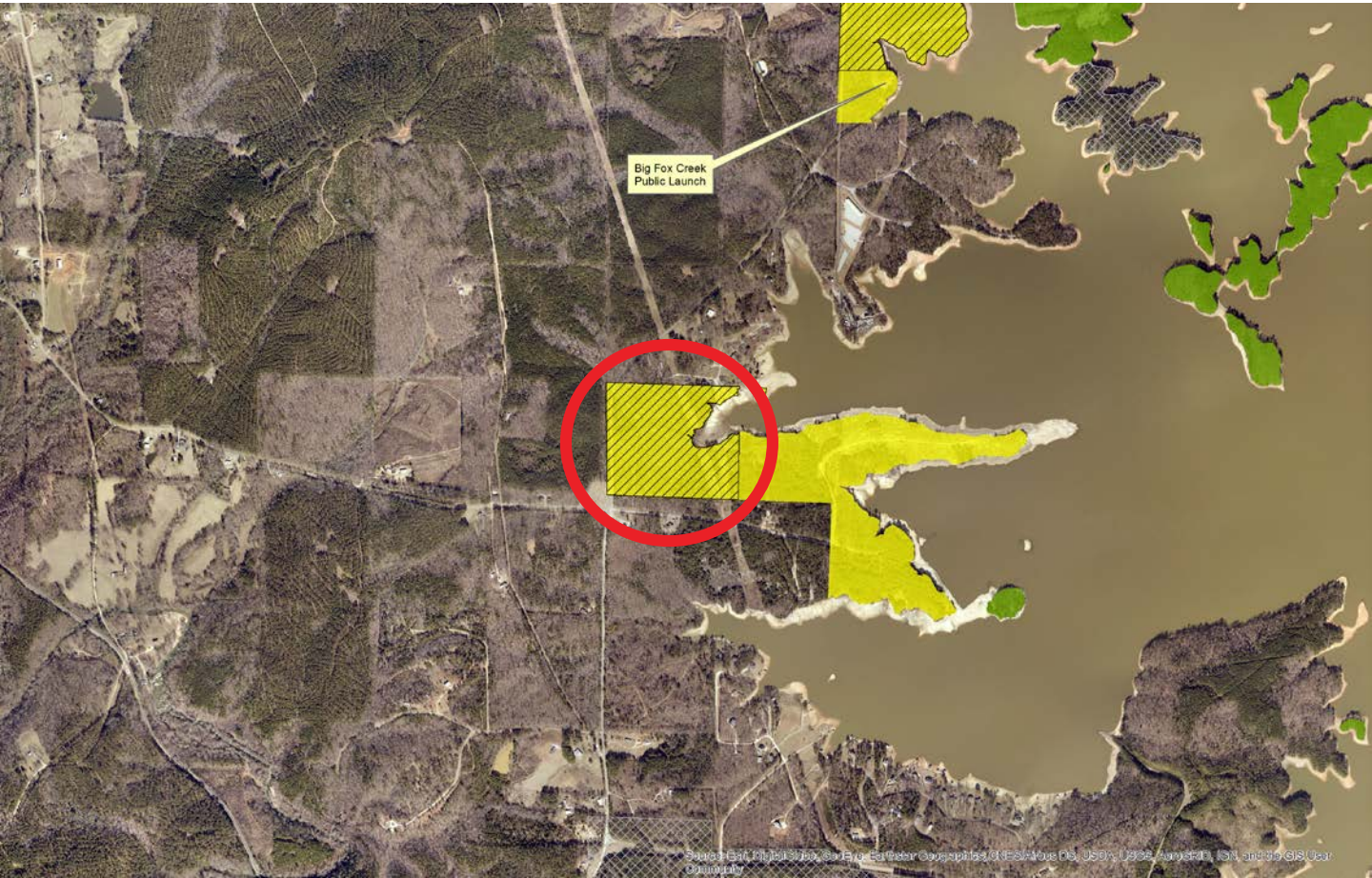
RECLASSIFICATIONS

RC6 – Reclassify to Recreation + /- 5 acres



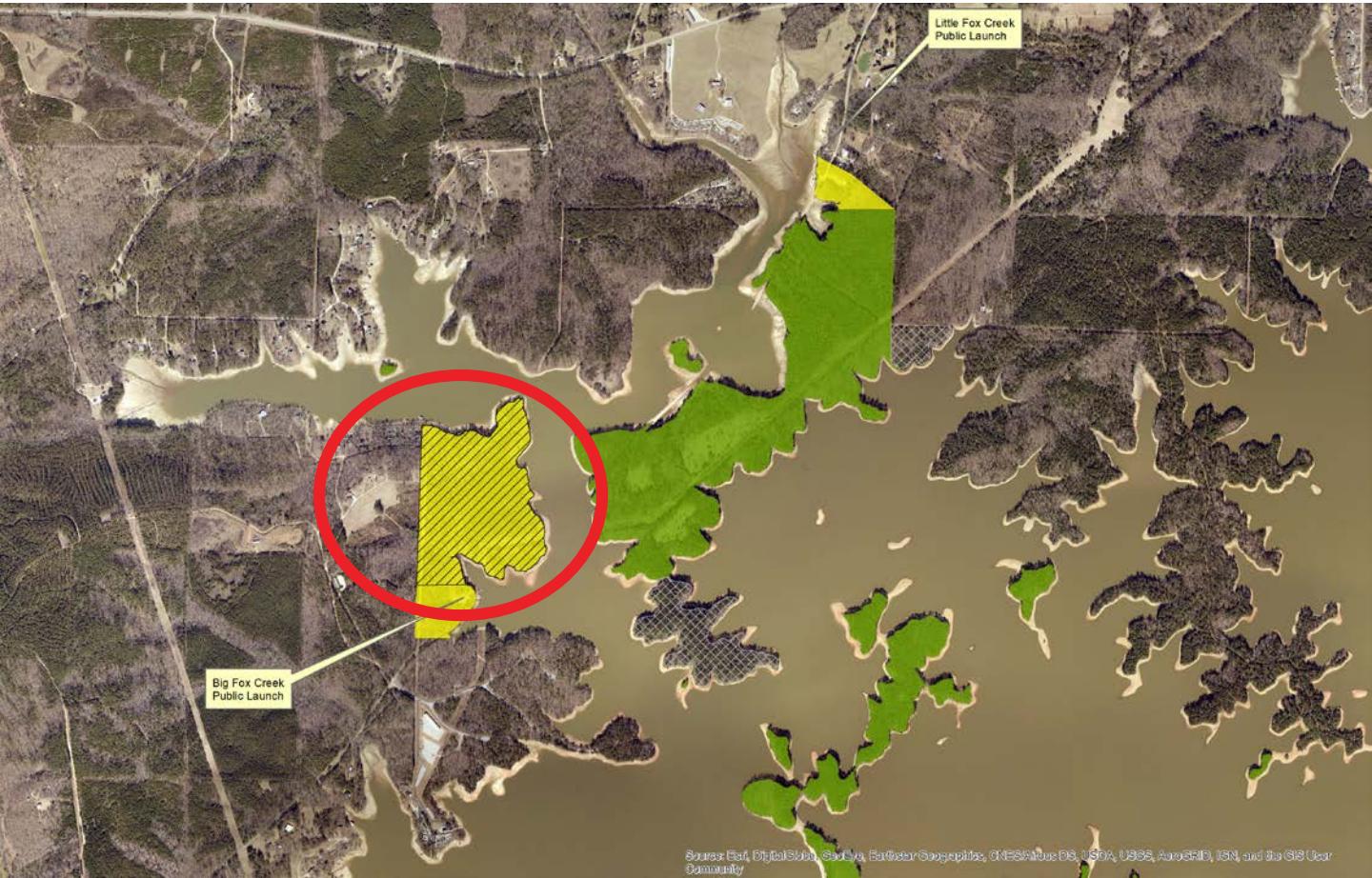
RECLASSIFICATIONS

RC7 – Reclassify to Natural Undeveloped + /- 40 acres



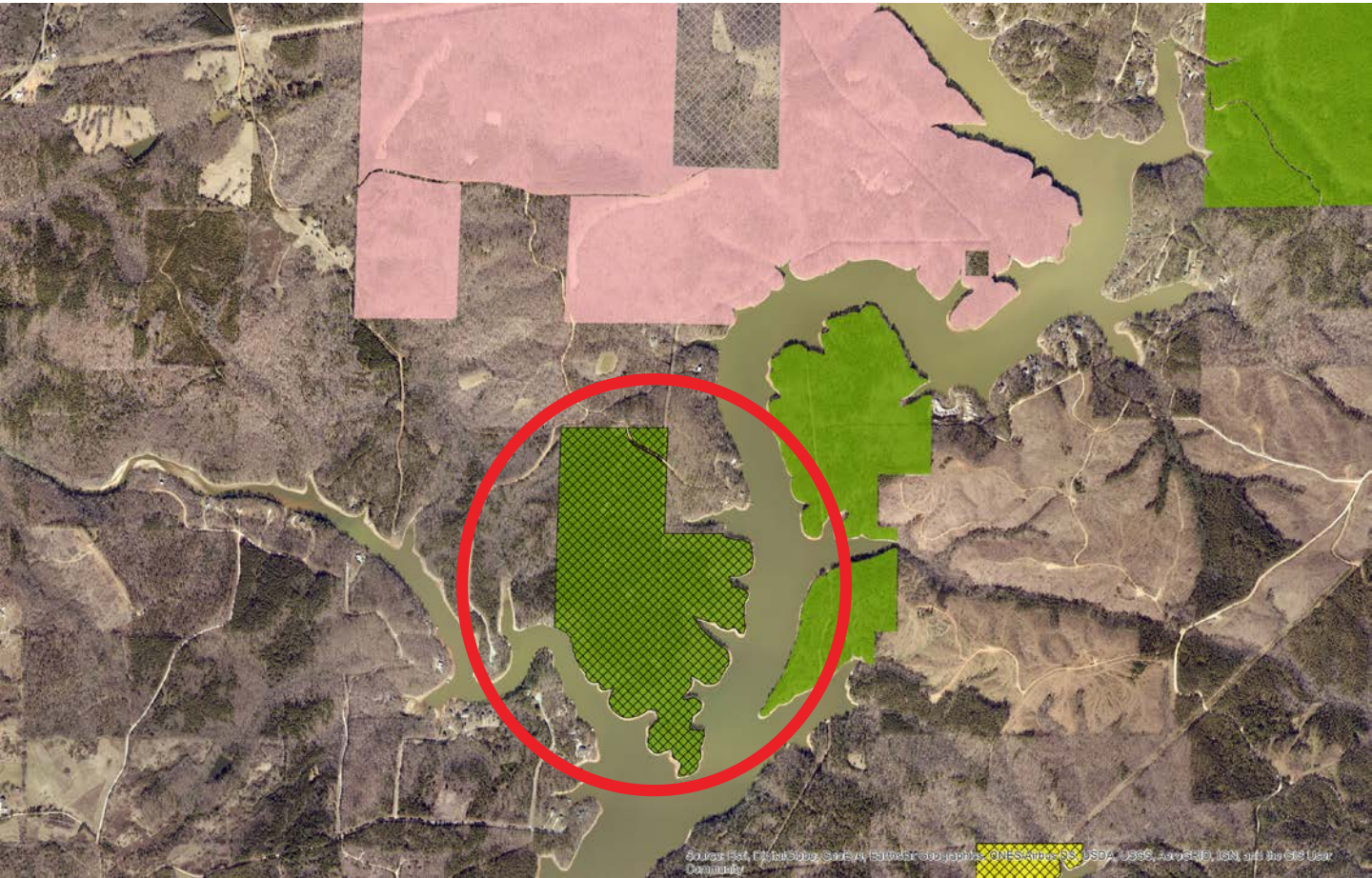
RECLASSIFICATIONS

RC8 – Reclassify to Natural Undeveloped + /- 50 acres



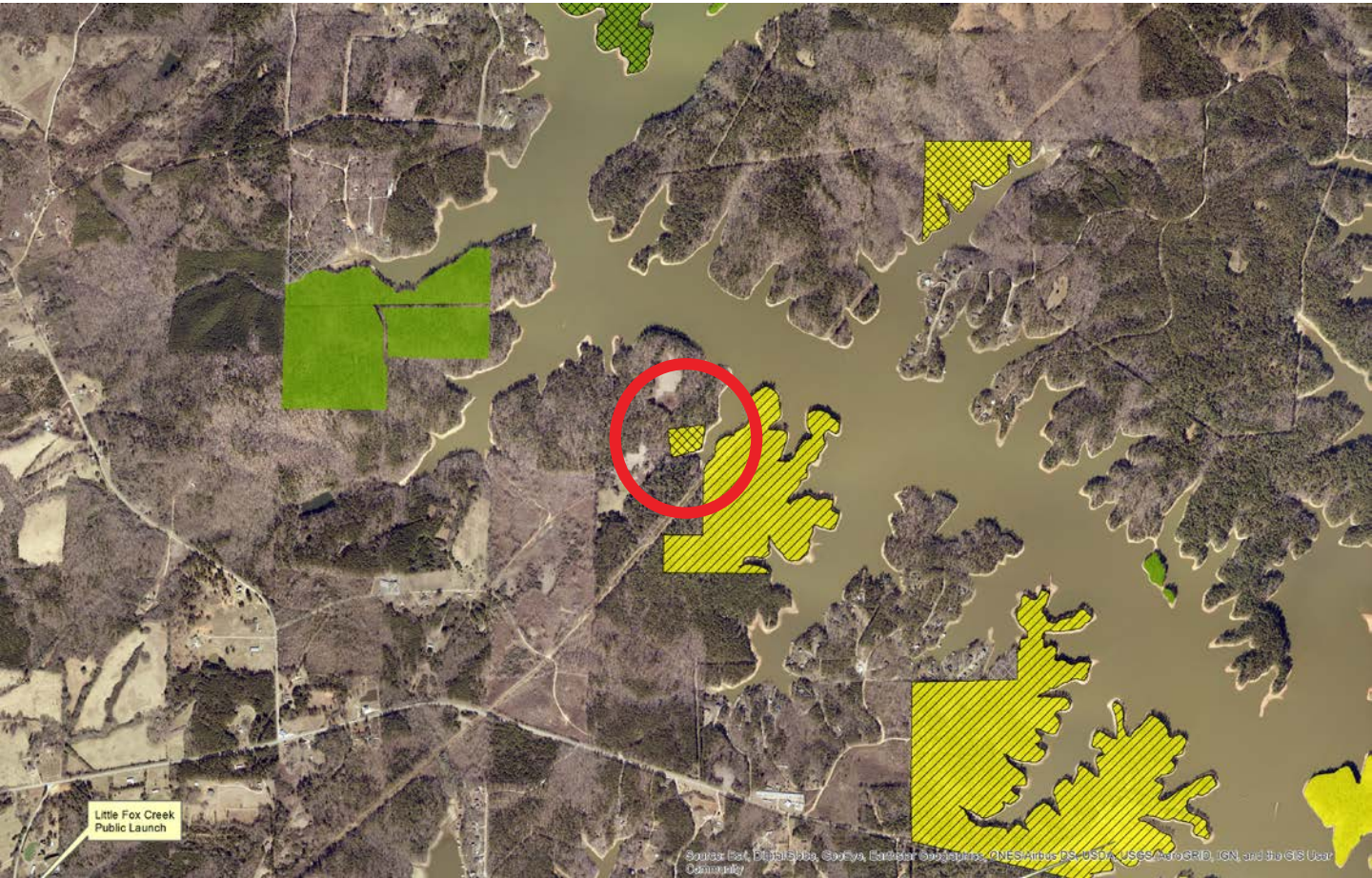
REMOVALS

R1 + /- 149 acres of Natural Undeveloped



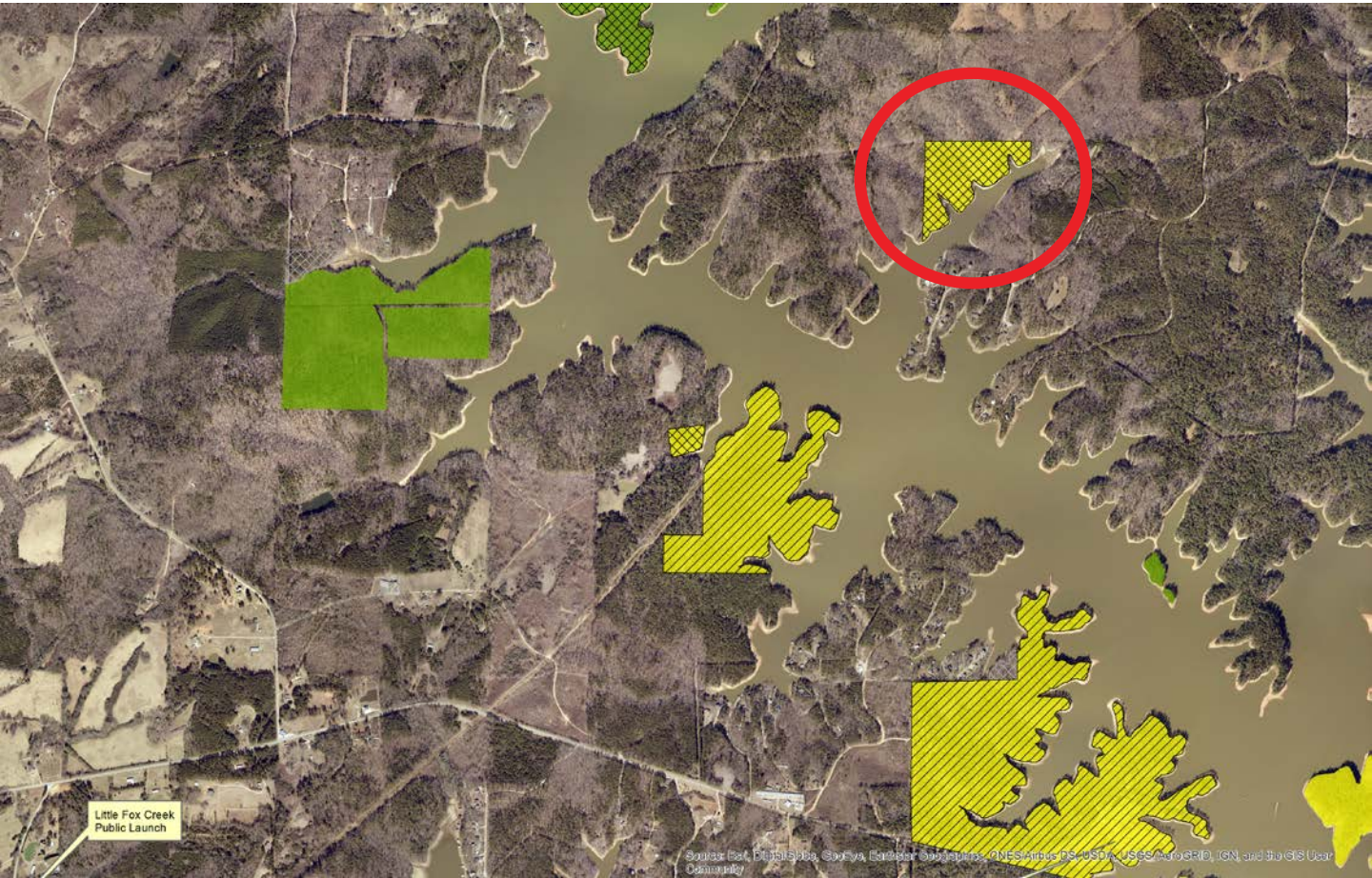
REMOVALS

R2 + /- 3 acres of Recreation



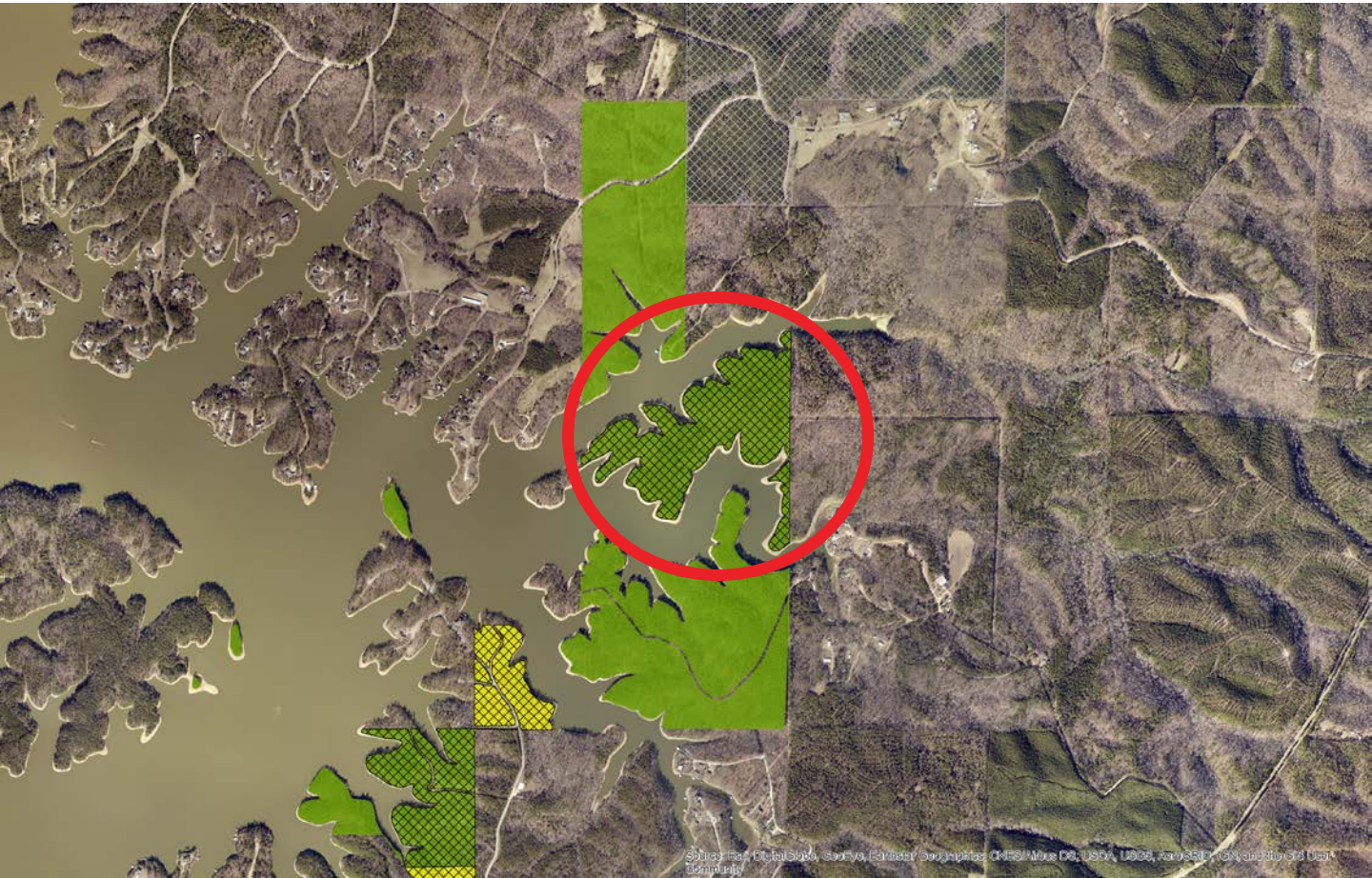
REMOVALS

R3 + /- 20 acres of Recreation



REMOVALS

R4 + /- 61 acres of Natural Undeveloped



REMOVALS

R5 + /- 19 acres of Recreation

REMOVALS

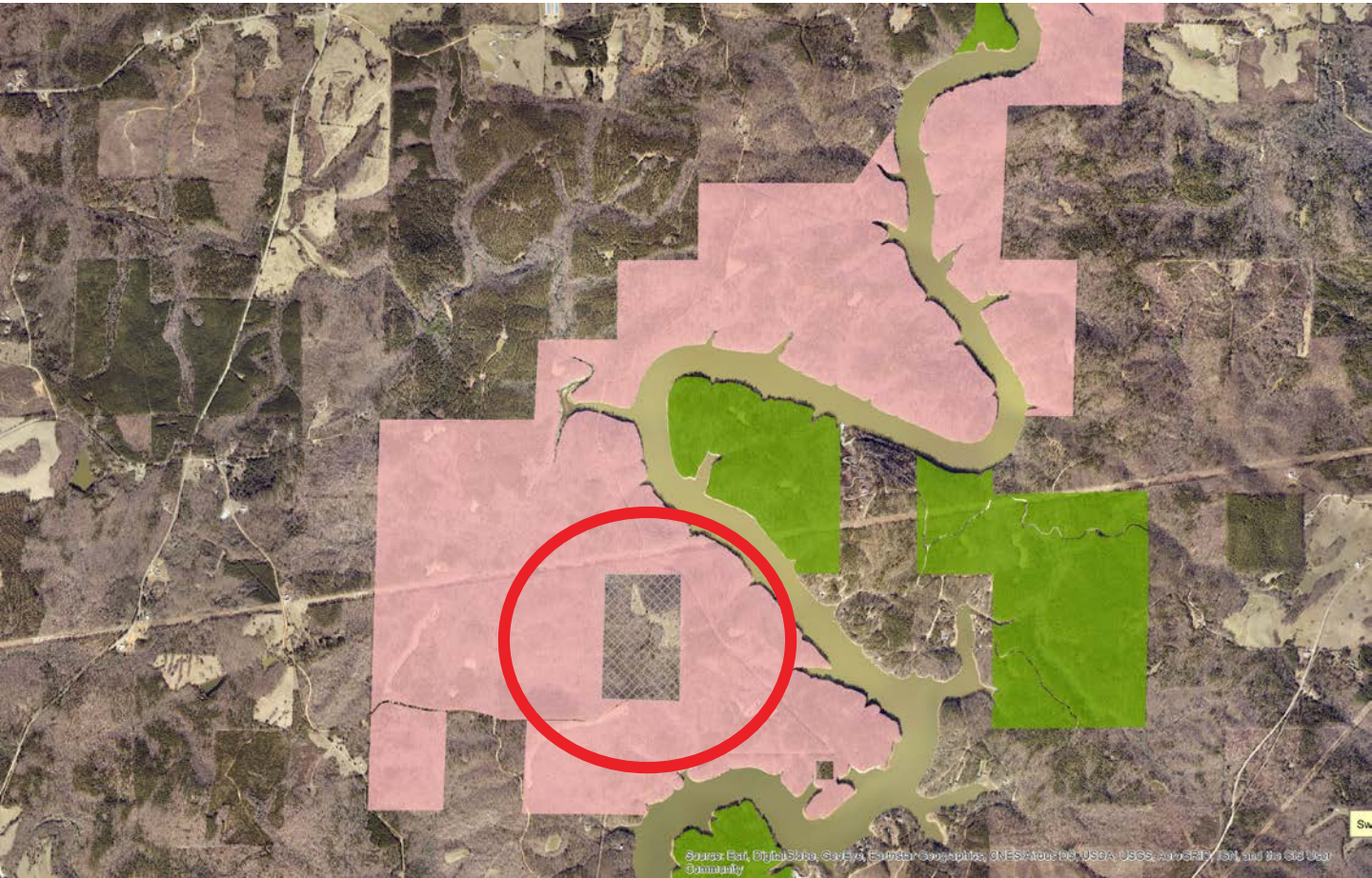
R6 + /- 37 acres of Natural Undeveloped

REMOVALS

R7 + /- 9 acres of Recreation

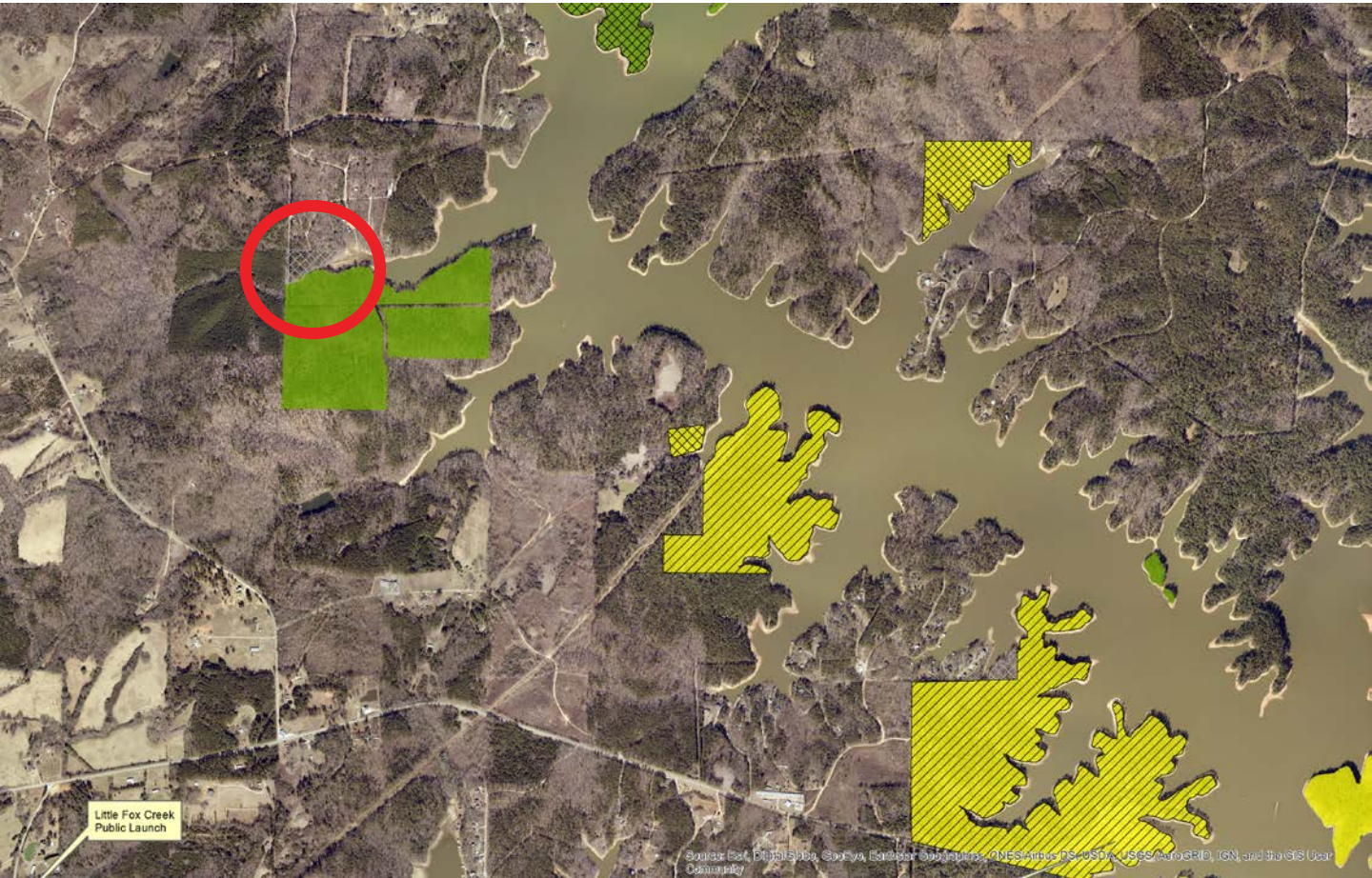
ADDITIONS

A1 + /- 64 acres as Hunting Lands



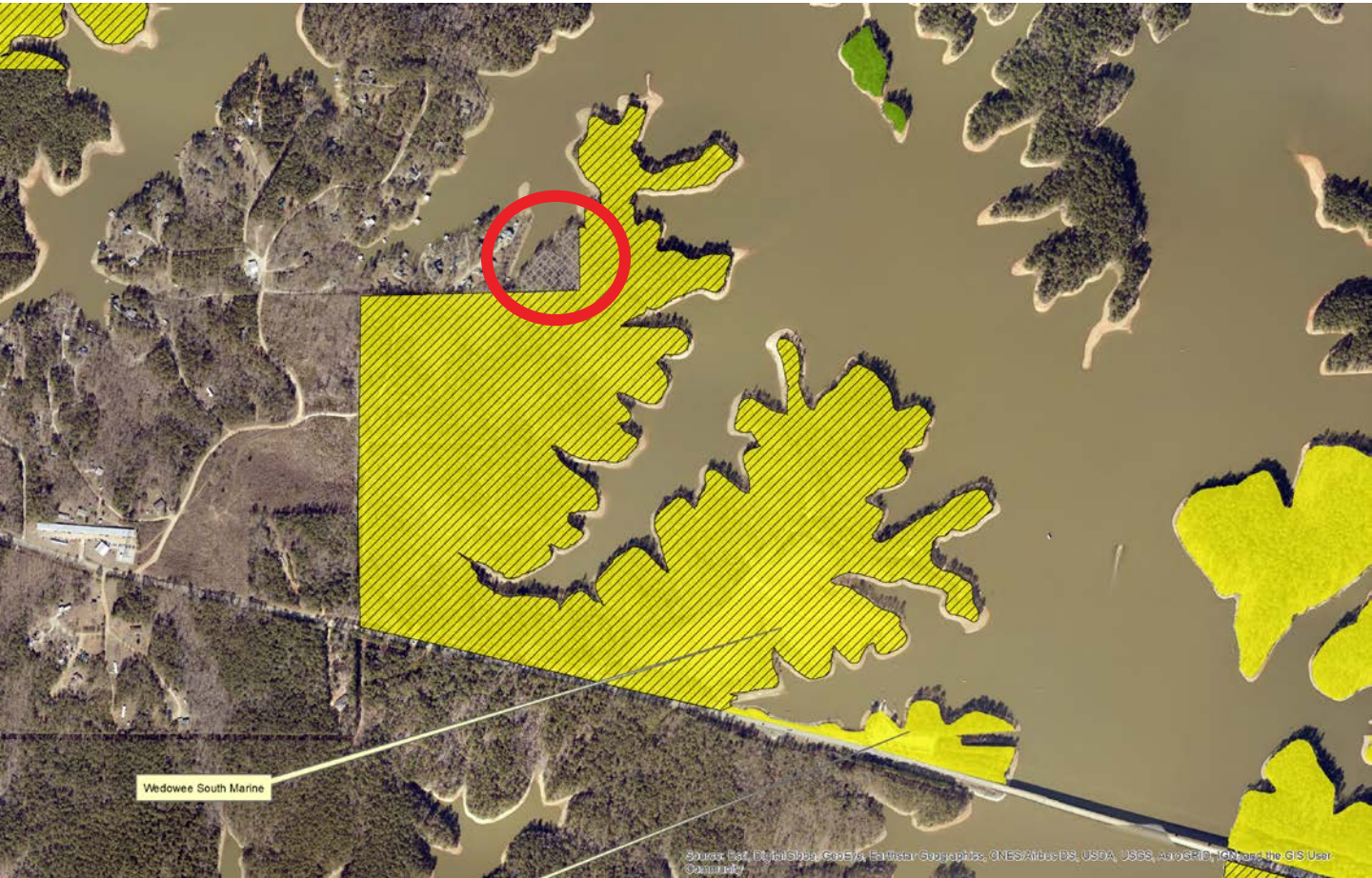
ADDITIONS

A2 + /- 4 acres as Natural Undeveloped



ADDITIONS

A3 + /- 2 acres as Commercial Recreation

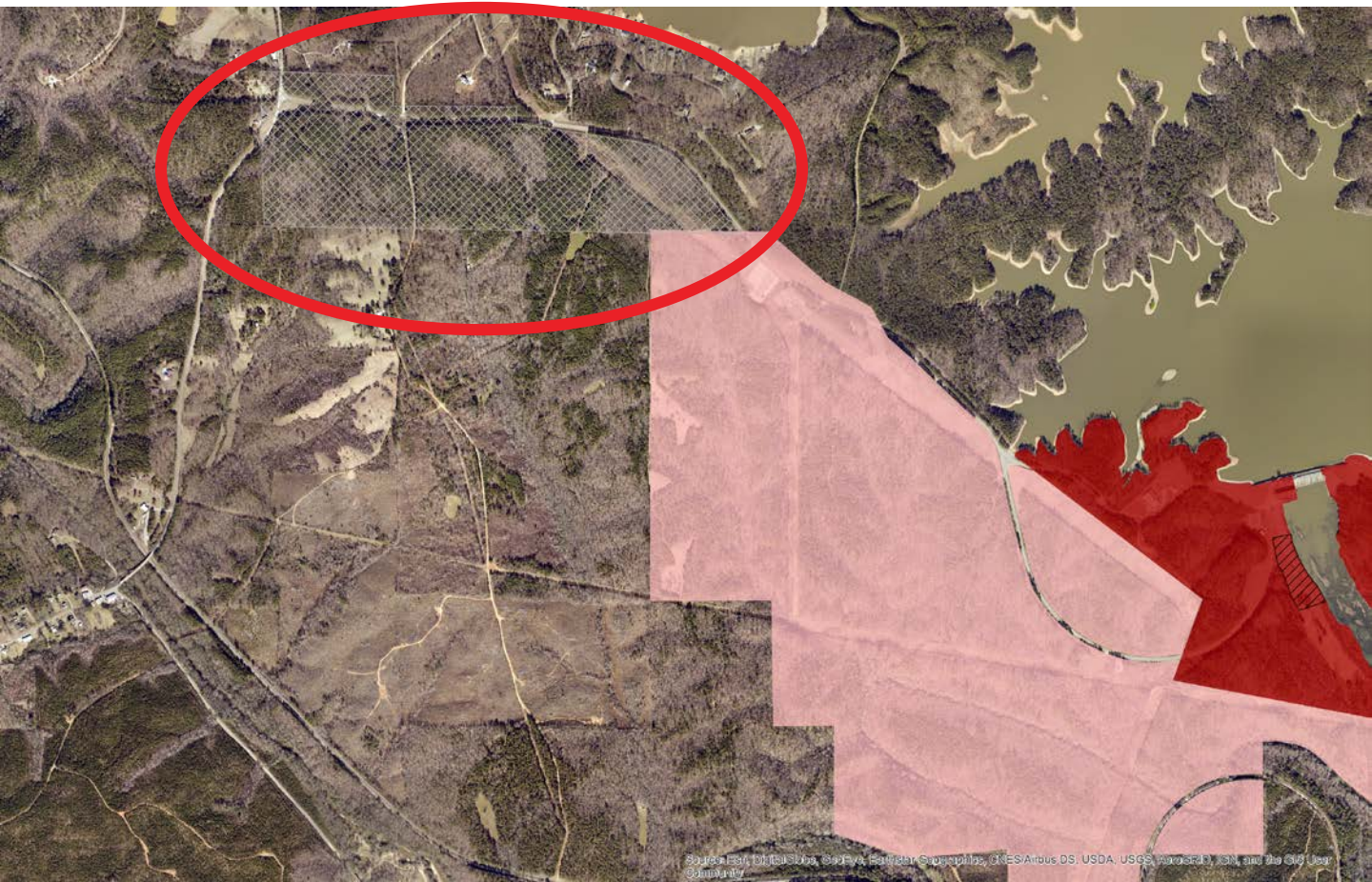


ADDITIONS

A4 + /- 160 acres as Natural Undeveloped

ADDITIONS

A5 + /- 157 acres as Hunting Lands



ADDITIONS

A6 + /- 14 acres as Natural Undeveloped

ADDITIONS

A7 + /- 6 acres as Natural Undeveloped

ADDITIONS

A8 + /- 0.25 acres as Natural Undeveloped

APC Harris Relicensing

From: Stan Nelson <snelson@nelsonandco.com>
Sent: Wednesday, September 11, 2019 4:48 PM
To: aanderegg@southernco.com
Cc: Anderegg, Angela Segars; Bearden, Justin; Mark Carter; Caton, Ross E; Ciamarra, Michael (Shelby); Edge, William; ferc.adr@ferc.gov; Robert Fletcher; Graham, Stacey A.; Jon Hamilton; Haslbauer, Jennifer; Mike Henson; Jeremy Jessup; David Moore; Barbara Nelson; Ryan Nelson; snelson@nelsonandco.com; O'Neil, Robert; Peeples, Alan L.; Mark Prestridge; Smith, Sheila C.; Streett, Emily; John Tinney; Walker, Shannon; White, Aimee B; Vester Whitmore; gene@wedoweelakehomes.com; Marilyn Lott; JJ Wendling; Irving Thompson; Roy Adamson; Terry Buttler; Mayor Donna McKay; Doyle Allen; Brent Wheeler; Tim Coe; John Harmon; Jerrell Hodges; alenmcdaniel@yahoo.com; Tony Segrest
Subject: 9-11-19 HAT-4 Meeting and Raw Water Intake

Ms. Anderegg:

I enjoyed today's meeting and hopefully we can work something out that will benefit the proposed day use park and the Authority. We look forward to sitting down with your staff next week.

The raw water intake can take many shapes and have a dual use as a high public viewing platform over the Lake in connection with the day use park.

The raw water line will be buried and no one will know its there. It will be more compatible with the day use park than the existing power lines.

The raw water structure can be designed to be very attractive at shown in the attached photo. Our design will be different with the gate operators on the inside of the building away from public access and the bridge to the structure will be shorter, wider and provide truck accessibility to the building during rare times of heavy maintenance.

Thanks again for inviting us to the HAT-4 meeting and look forward to meeting with you next week.

Stan Nelson, PE
NELSON & COMPANY, PC - Consulting Engineers
400 Emery Drive, Suite 300
Birmingham, AL 35244-4548
Work (205) 989-5690
Fax (205) 989-5672
Cell (205) 585-4600
snelson@nelsonandco.com

APC Harris Relicensing

From: Wills, Ken <Ken.Wills@jcdh.org>
Sent: Thursday, September 12, 2019 11:26 AM
To: Anderegg, Angela Segars; Kenneth Wills
Cc: APC Harris Relicensing
Subject: RE: Found major error on new Flat Rock Map

Hello Angie,

Thanks for addressing this so quickly. I look forward to seeing the next version of the map.

I will let you know if we find anything interesting on the other proposed Natural Undeveloped acreage to the west of the original botanical area.

I will also send you some personal comments on the overall land use plan. I thought the overall map looked good, but you might want to consider some factors before removing some tracts from the project. My comments outside the proposed botanical area at Flat Rock will just be given simply for your consideration with no strong recommendations.

Thanks again for addressing the Flat Rock map issue so quickly,
Ken Wills

From: Anderegg, Angela Segars [mailto:ARSEGARS@southernco.com]
Sent: Thursday, September 12, 2019 11:13 AM
To: Kenneth Wills <memontei@aol.com>; Wills, Ken <Ken.Wills@jcdh.org>
Cc: APC Harris Relicensing <g2apchr@southernco.com>
Subject: RE: Found major error on new Flat Rock Map

Hi Ken,

Thanks for taking a close look. You are correct that the original 20 acres was left out of what we presented yesterday. It was an inadvertent mapping error on our part and I assure you it will be corrected in the next version of this map.

In the next week or so, I will be soliciting comments from HAT 4. To avoid confusion, I'll be sending the map that was shown yesterday. However, we will definitely make sure that we incorporate your note and that the error is corrected once we have everyone's comments. So, the next version you'll see will have the correction.

Thanks again for taking a close look and letting us know!

Angie Anderegg
Hydro Services
(205)257-2251
arsegars@southernco.com

From: Kenneth Wills <memontei@aol.com>
Sent: Wednesday, September 11, 2019 9:43 PM
To: Anderegg, Angela Segars <ARSEGARS@southernco.com>; ken.wills@jcdh.org
Subject: Found major error on new Flat Rock Map

EXTERNAL MAIL: Caution Opening Links or Files

_____

Hello Angie,

I was looking at the proposed land use map for Harris in detail tonight and noticed the boundaries for the reclassification of 40 acres to Natural Undeveloped at Flat Rock Park excluded most of the original proposed 20 acre botanical area including most of the remaining pristine granite outcrop plant habitats. I am sure that is just a mapping mistake, but I hope that can be corrected as soon as possible. Otherwise the whole botanical survey and granite outcrop conservation project is basically for naught.

I don't have access to a scanner tonight, so I had to take photos to show you all what needs to be changed. The first photo is of the original proposed 20 acre botanical conservation area as shown in the botanical inventory proposal. The botanical area's eastern boundary is defined by the west side of the park entrance road and the edge of the woods to the west of the main granite outcrop of the developed park. This boundary includes all the remaining pristine granite outcrops as well as the critical wooded buffer surrounding them. That wooded buffer filters out overuse by general park users, and it protects the hydrology of the seepage habitats on the granite outcrops. The park road and edge of the woods are easily definable boundaries on maps and on the ground as well. These boundaries do not interfere with existing park uses or faculties in the developed portion of the park. As I understand it, any recreation expansion would happen along the water to the south of the existing park facilities. Therefore, the boundaries of the original 20 acre botanical area should present no conflicts with present and future recreation in Flat Rock Park.

The second photo shows the changes that need to happen to the proposed land use map to include all of the the originally proposed 20 acre botanical area in a Natural Undeveloped classification. I included the rough location of the major pristine granite outcrops to show why the original boundaries need to be included in Natural Undeveloped. As you know, I was pleased to see lands west of the power-line included in the Natural Undeveloped classification, but reclassifying all of the originally proposed 20 acre botanical area to Natural Undeveloped is critical.

Please let me know that you received this message, and let me know if and when the map can be changed to include the whole original 20 acre botanical area in the proposed reclassification to Natural Undeveloped. If you can send me an updated snippet of that section of the land-use map showing the change, that will help ensure we are all on the same page as the FERC and botanical area process continues.

Thanks for all you are doing to coordinate this process,
Ken Wills
Acting Coordinator Alabama Glade Conservation Coalition

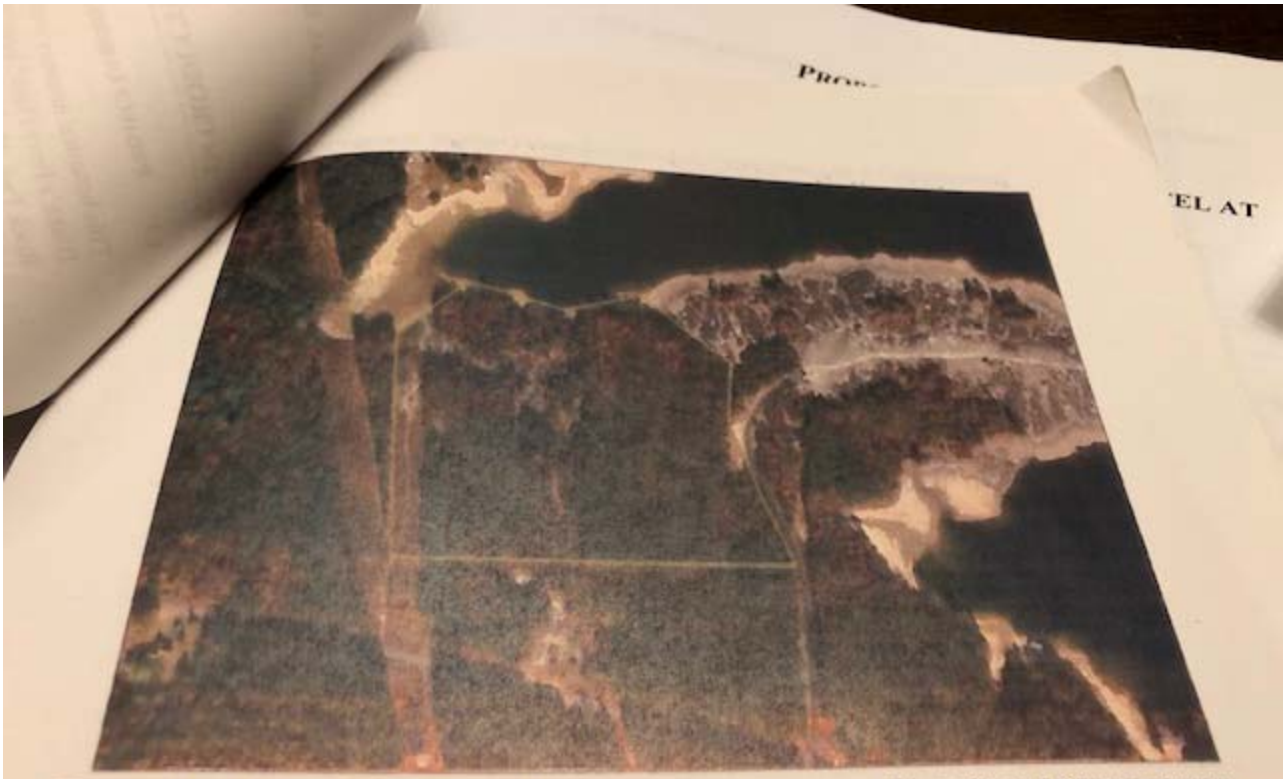
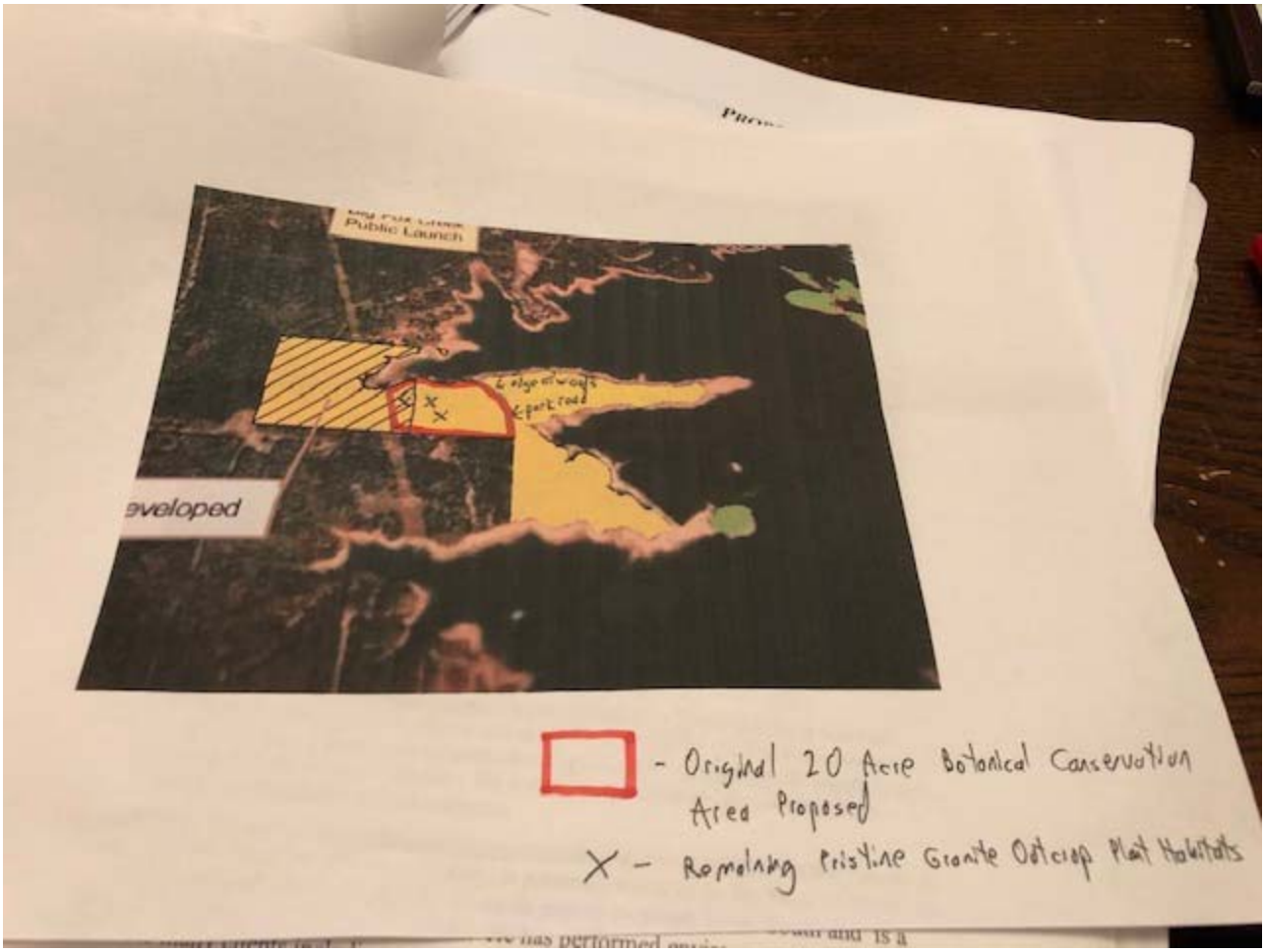


FIGURE 1 PROPOSED CONSERVATION/INVENTORY AREA FOR RARE PLANT COMMUNITIES OF GRANITE OUTCROPS, APPROXIMATELY 20-ACRES.

1.2 PROJECT TEAM



Sent from my iPhone

APC Harris Relicensing

From: Anderegg, Angela Segars
Sent: Monday, September 30, 2019 2:45 PM
To: Ken Wills
Subject: RE: Comments on overall proposed Lake Harris Land Use Plan

Hi Ken,

Thank you for your feedback. We will incorporate your comments into our consultation record.

Thanks,

Angie Anderegg
Hydro Services
(205)257-2251
arsegars@southernco.com

From: Ken Wills <memontei@aol.com>
Sent: Thursday, September 26, 2019 10:47 PM
To: Anderegg, Angela Segars <ARSEGARS@southernco.com>; ken.wills@jcdh.org
Subject: Comments on overall proposed Lake Harris Land Use Plan

---

Hello Angie,

While I became involved in the FERC re-licensing process for Lake Harris as a representative of a coalition to protect the back country granite outcrops at Flat Rock, since I have been participating in the FERC meetings for the overall Lake Harris project, I would
like to provide comments on that overall plan as an individual.

Overall, the proposed land use plan for Lake Harris Project is well planned from a conservation standpoint. The overall acreage proposed to be managed under the Natural Undeveloped and Hunting Lands classification will be increased from the previous land use land. Additional lands have been added that connect existing project conservation lands or fill in holes within conservation tracts. The proposed reclassifications to Natural Undeveloped in the back country at Flat Rock and around the Fox Creek Birding Trail will help ensure those habitats remain intact for various plants and animals including rare granite outcrop plant species.

However, I recommend the removal of some tracts from the Harris be reconsidered. Some tracts such as R2 and R3 make sense to remove from the project because they are very isolated from other company lands on the lake, but the wild/scenic and habitat values of other tracts should be reconsidered before they are removed from the project. While R1, R 4 and R6 do not touch other conservation tracts they are in close proximity to other significant blocks of project conservation lands and they help protect wild/scenic view sheds on large sections of sloughs around the lake. There is a value for visitors in seeing undeveloped scenery on both sides of a slough or section of the lake. As the lake becomes more developed over the years those remaining sections of the lake with wild/scenic view sheds will become more appreciated by visitors and residents alike. While those sections do not touch other conservation tracts they add to the overall block of contiguous habitat for more mobile species including birds and even some mammals and reptiles/amphibians that regularly swim between habitat blocks. Loss of those tracts to development would reduce the overall habitat for some species of birds and reptiles that need a larger matrix of habitat to survive such as the declining neotropical migrant birds. If access for other landowners across some of those tracts is an issue, it would seem potential

road corridors could be granted across those tracts without withdrawing the whole tracts from the project. I would encourage you all to consider the wild/scenic and habitat value of the above specified tracts before removing them from the project. All that being said, I realize Alabama Power/Southern Company is a multi faceted business with many factors to balance including overall profits, real estate development, and conservation/environmental protection, so I respect any decision you make on those tracts proposed to be withdrawn from the Harris Project.

Thanks for the opportunity to provide input on the overall plan,
Ken Wills
2253 Rockcreek Trail
Hoover, AL 35226

HAT 4 - September 11 meeting notes

APC Harris Relicensing

Tue 10/1/2019 6:01 PM

To: 'harrisrelicensing@southernco.com' <harrisrelicensing@southernco.com>
Bcc damon.abernethy@dcnr.alabama.gov <damon.abernethy@dcnr.alabama.gov>; steve.bryant@dcnr.alabama.gov <steve.bryant@dcnr.alabama.gov>; keith.gauldin@dcnr.alabama.gov <keith.gauldin@dcnr.alabama.gov>; taconya.goar@dcnr.alabama.gov <taconya.goar@dcnr.alabama.gov>; chris.greene@dcnr.alabama.gov <chris.greene@dcnr.alabama.gov>; keith.henderson@dcnr.alabama.gov <keith.henderson@dcnr.alabama.gov>; mike.holley@dcnr.alabama.gov <mike.holley@dcnr.alabama.gov>; evan.lawrence@dcnr.alabama.gov <evan.lawrence@dcnr.alabama.gov>; amy.silvano@dcnr.alabama.gov <amy.silvano@dcnr.alabama.gov>; chris.smith@dcnr.alabama.gov <chris.smith@dcnr.alabama.gov>; ken.wills@jcdh.org <ken.wills@jcdh.org>; matt.brooks@alea.gov <matt.brooks@alea.gov>; coty.brown@alea.gov <coty.brown@alea.gov>; arsegars@southernco.com <arsegars@southernco.com>; dkanders@southernco.com <dkanders@southernco.com>; jefbaker@southernco.com <jefbaker@southernco.com>; jcarlee@southernco.com <jcarlee@southernco.com>; kechandl@southernco.com <kechandl@southernco.com>; tpfreema@southernco.com <tpfreema@southernco.com>; cggoodma@southernco.com <cggoodma@southernco.com>; ammcvica@southernco.com <ammcvica@southernco.com>; tlmills@southernco.com <tlmills@southernco.com>; dolmoore@southernco.com <dolmoore@southernco.com>; scsmith@southernco.com <scsmith@southernco.com>; twstjohn@southernco.com <twstjohn@southernco.com>; lswinsto@southernco.com <lswinsto@southernco.com>; cchaffin@alabamarivers.org <cchaffin@alabamarivers.org>; clowry@alabamarivers.org <clowry@alabamarivers.org>; gjobsis@americanrivers.org <gjobsis@americanrivers.org>; kmo0025@auburn.edu <kmo0025@auburn.edu>; irwiner@auburn.edu <irwiner@auburn.edu>; chrisoberholster@birminghamaudubon.org <chrisoberholster@birminghamaudubon.org>; allan.creamer@ferc.gov <allan.creamer@ferc.gov>; rachel.mcnamara@ferc.gov <rachel.mcnamara@ferc.gov>; sarah.salazar@ferc.gov <sarah.salazar@ferc.gov>; monte.terhaar@ferc.gov <monte.terhaar@ferc.gov>; gene@wedoweelakehomes.com <gene@wedoweelakehomes.com>; kate.cosnahan@kleinschmidtgroup.com <kate.cosnahan@kleinschmidtgroup.com>; colin.dinken@kleinschmidtgroup.com <colin.dinken@kleinschmidtgroup.com>; amanda.fleming@kleinschmidgroup.com <amanda.fleming@kleinschmidgroup.com>; henry.mealing@kleinschmidtgroup.com <henry.mealing@kleinschmidtgroup.com>; kelly.schaeffer@kleinschmidtgroup.com <kelly.schaeffer@kleinschmidtgroup.com>; sforehand@russelllands.com <sforehand@russelllands.com>; Tom Garland (lgarland68@aol.com) <lgarland68@aol.com>; Diane Lunsford (johndiane@sbcglobal.net) <johndiane@sbcglobal.net>; bradandsue795@gmail.com <bradandsue795@gmail.com>; mitchell.reid@tnc.org <mitchell.reid@tnc.org>; wmcampbell218@gmail.com <wmcampbell218@gmail.com>; donnamat@aol.com <donnamat@aol.com>; harry.merrill47@gmail.com <harry.merrill47@gmail.com>; mhpwedowee@gmail.com <mhpwedowee@gmail.com>; midwaytreasures@bellsouth.net <midwaytreasures@bellsouth.net>; inspector_003@yahoo.com <inspector_003@yahoo.com>; gardenergirl04@yahoo.com <gardenergirl04@yahoo.com>; paul.trudine@gmail.com <paul.trudine@gmail.com>; 1942jthompson420@gmail.com <1942jthompson420@gmail.com>; amccartn@blm.gov <amccartn@blm.gov>; j35sullivan@blm.gov <j35sullivan@blm.gov>; evan_collins@fws.gov <evan_collins@fws.gov>; jennifer_grunewald@fws.gov <jennifer_grunewald@fws.gov>; jeff_powell@fws.gov <jeff_powell@fws.gov>

HAT 4,

The meeting notes and materials from our September 11, 2019 HAT 4 meeting can be found on the Harris relicensing website under HAT 4 – Project Lands (www.harrisrelicensing.com). Please submit any comments or questions you may have on the proposed land use changes to harrisrelicensing@southernco.com on or before October 31, 2019.

Thanks,

Angie Anderegg
Hydro Services
(205)257-2251
arsegars@southernco.com

APC Harris Relicensing

From: Ken Wills <memontei@aol.com>
Sent: Saturday, October 5, 2019 10:31 PM
To: APC Harris Relicensing
Subject: Map and Land Use Change at Flat Rock
Attachments: IMG_7561.jpg; IMG_7562.jpg

Hello Angie and all,

Based on the instructions in last weeks email, I wanted to make sure my previous comments on the proposed map and land use changes at Flat Rock were sent to the correct email address. I have consolidated all my comments on the backcountry areas at Flat Rock into one email.

As I had previously mentioned in an email to a different address, the boundaries for the reclassification of 40 acres to Natural Undeveloped at Flat Rock Park excluded most of the original proposed 20 acre botanical area including most of the remaining pristine granite outcrop plant habitats that we are trying to protect. I understand that was just a mapping mistake, but please make sure that is corrected as soon as possible. Otherwise the whole botanical inventory and granite outcrop conservation project is basically for naught.

In support of this map correction, please see the attached crude map photos. The first photo is of the original proposed 20 acre botanical conservation area as shown in the botanical inventory proposal. The botanical area's eastern boundary is defined by the west side of the park entrance road and the edge of the woods to the west of the main granite outcrop of the developed park. This boundary includes all the remaining pristine granite outcrops as well as the critical wooded buffer surrounding them. That wooded buffer filters out overuse by general park users, and it protects the hydrology of the seepage habitats on the granite outcrops. The park road and edge of the woods are easily definable boundaries on maps and on the ground as well. These boundaries do not interfere with existing park uses or faculties in the developed portion of the park. As I understand it, any recreation expansion would happen along the water to the south of the existing park facilities. Therefore, the boundaries of the original 20 acre botanical area should present no conflicts with present and future recreation in Flat Rock Park.

The second photo shows the changes that need to happen to the proposed land use map to include all of the the originally proposed 20 acre botanical area in a Natural Undeveloped classification. I included the rough location of the major pristine granite outcrops to show why the original boundaries need to be included in Natural Undeveloped. As you know, we are pleased to see lands west of the power-line included in the Natural Undeveloped classification, but reclassifying all of the originally proposed 20 acre botanical area to Natural Undeveloped is critical.

In regards to the lands west of the power-line, as I had previously mentioned in another email to a different address, I was able to do a brief survey of the additional land at Flat Rock that is proposed to be reclassified as Natural Undeveloped. My background is focused on forest/habitat ecology rather than general botany, but from what I can see, classifying that additional land at Flat Rock as Natural Undeveloped would help protect botanical habitats and species that are rare to nonexistent in the originally proposed granite outcrop rare plant habitat focused 20 acre botanical area. This would lead to a more thorough conservation of the area's overall botanical diversity.

The additional proposed Natural Undeveloped lands on the other side of the power-line contains the floodplain of what appears to be a perennial stream. Those bottoms and adjacent sheltered slopes contain mesic hardwood forests and some floodplain forests including species such as American Beech, Sweetbay Magnolia, and Cane. I also saw some of the largest old growth American Beach that I have every seen on some of land's lower slopes. These scattered old trees were bypassed by the original logging of the property probably because they are hollow, but they are still impressive. The shady moist ground layers contains an abundance of various ferns not associated with drier habitats including Cinnamon and Chain ferns. These habitats and associated species are rare to nonexistent within the thin dry soils associated with granite outcrops of the originally proposed botanical area.

Also, the additional lands has the largest population of Running Cedar I have ever seen. In most places, you see a small patch, but evidently Piedmont soils are very favorable for this species, and it occurs over quarter acre or more in several locations on the property. The upland pine hardwood forest of additional lands also contains residual Longleaf and Shortleaf pine. It is unusual to find Longleaf pine this deep in the Piedmont. The deeper soil uplands of the additional

lands also support habitats and species rare to nonexistent within the Loblolly Pine-hardwood dominated forest around the granite outcrops in the core originally proposed botanical area.

While the originally proposed 20 acre botanical area is the most important area to conserve because of the rare plants found only on granite outcrop habitats, the protection of the adjacent lands west of the power-line as Natural Undeveloped will certainly ensure a greater diversity of botanical habitats and species of this Piedmont region are conserved for long-term study and appreciation. We support conserving both the core 20 acres containing the granite outcrops at Flat Rock as well as the recently proposed additional lands to the west as Natural Undeveloped. If we can obtain more information about the plants and animals of these additional lands we will share them with you.

Thanks for all you are doing to coordinate this process,
Ken Wills
Acting Coordinator Alabama Glade Conservation Coalition

FIGURE 1 PROPOSED CONSERVATION/INVENTORY AREA FOR RARE PLANT COMMUNITIES OF GRANITE OUTCROPS, APPROXIMATELY 20-ACRES.

1.2 PROJECT TEAM

- Original 20 Acre Botanical Conservation Area Proposed

X - Remaining Pristine Granite Outcrop Plant Habitats

APC Harris Relicensing

From: Ken Wills <memontei@aol.com>
Sent: Saturday, October 5, 2019 10:38 PM
To: APC Harris Relicensing
Subject: Comments on overall proposed Lake Harris Land Use Plan

Hello Angie and all,

Based on this weeks email, I wanted to make sure my comments on the overall proposed Lake Harris Land Use Plan are sent to the corrected email address, so I am resending my prior comments sent to a different email address.

While I became involved in the FERC re-licensing process for Lake Harris as a representative of a coalition to protect the back country granite outcrops at Flat Rock, since I have been participating in the FERC meetings for the overall Lake Harris project, I would
like to provide comments on that overall plan as an individual.

Overall, the proposed land use plan for Lake Harris Project is well planned from a conservation standpoint. The overall acreage proposed to be managed under the Natural Undeveloped and Hunting Lands classification will be increased from the previous land use land. Additional lands have been added that connect existing project conservation lands or fill in holes within conservation tracts. The proposed reclassification to Natural Undeveloped in the back country at Flat Rock (once the map is corrected) and around the Fox Creek Birding Trail will help ensure those habitats remain intact for various plants and animals including rare granite outcrop plant species.

However, I recommend the removal of some tracts from the Harris be reconsidered. Some tracts such as R2 and R3 make sense to remove from the project because they are very isolated from other company lands on the lake, but the wild/scenic and habitat values of other tracts should be reconsidered before they are removed from the project. While R1, R 4 and R6 do not touch other conservation tracts they are in close proximity to other significant blocks of project conservation lands and they help protect wild/scenic view sheds on large sections of sloughs around the lake. There is a value for visitors in seeing undeveloped scenery on both sides of a slough or section of the lake. As the lake becomes more developed over the years those remaining sections of the lake with wild/scenic view sheds will become more appreciated by visitors and residents alike. While those sections do not touch other conservation tracts they add to the overall block of contiguous habitat for more mobile species including birds and even some mammals and reptiles/amphibians that regularly swim between habitat blocks. Loss of those tracts to development would reduce the overall habitat for some species of birds and reptiles that need a larger matrix of habitat to survive such as the declining neotropical migrant birds. If access for other landowners across some of those tracts is an issue, it would seem potential road corridors could be granted across those tracts without withdrawing the whole tracts from the project. I would encourage you all to consider the wild/scenic and habitat value of the above specified tracts before removing them from the project. All that being said, I realize Alabama Power/Southern Company is a multi faceted business with many factors to balance including overall profits, real estate development, and conservation/environmental protection, so I respect any decision you make on those tracts proposed to be withdrawn from the Harris Project.

Thanks for the opportunity to provide input on the overall plan,

Ken Wills
2253 Rockcreek Trail
Hoover, AL 35226

APC Harris Relicensing

From: Anderegg, Angela Segars
Sent: Tuesday, October 8, 2019 12:15 PM
To: Ken Wills
Cc: Kelly Schaeffer
Subject: RE: Information on additional land proposed to be reclassified at Flat Rock

Hi Ken,

Performing a separate inventory of these additional lands in 2020 will not be an issue. I will reach out to David Frings about sending us a new or revised scope of work.

Thanks!

Angie Anderegg
Hydro Services
(205)257-2251
arsegars@southernco.com

From: Ken Wills <memontei@aol.com>
Sent: Wednesday, October 2, 2019 8:16 PM
To: Anderegg, Angela Segars <ARSEGARS@southernco.com>
Cc: Kelly Schaeffer <kelly.schaeffer@kleinschmidtgroup.com>
Subject: Re: Information on additional land proposed to be reclassified at Flat Rock

---

Hello Angie,

I was able to communicate with our plant inventory team, and they are all interested in doing a survey of the additional lands proposed to be classified as Natural Undeveloped which lies west of the original proposed botanical area. However, they are proposing to do the plant inventory of those lands as a separate inventory proposal which would be performed next year, Spring-Fall 2020. I am not sure how that would fit with the FERC Process timeline.

Even if the time line will not allow further inventories, we are very thankful for your support of the inventory of the core 20 acre botanical area around the backcountry granite outcrops. Just just let us know if and how you want to proceed with the inventory of the other lands to the west of the core botanical area, but we understand it does not fit the timeline.

Thanks,
Kenneth Wills
Acting Coordinator
Alabama Glade Conservation Coalition

-----Original Message-----
From: Anderegg, Angela Segars <ARSEGARS@southernco.com>
To: Kenneth Wills <memontei@aol.com>
Cc: Kelly Schaeffer <kelly.schaeffer@kleinschmidtgroup.com>
Sent: Tue, Oct 1, 2019 9:08 am
Subject: RE: Information on additional land proposed to be reclassified at Flat Rock

Hi Ken,

I understand if they aren't able to expand their scope of work. However, if you hear that they do want to, let me know as soon as possible. I do believe that doing a walk thru and sharing their findings, similar to what you have done, will be helpful information to have.

Thanks!

Angie Anderegg
Hydro Services
(205)257-2251
arsegars@southernco.com

From: Kenneth Wills <memontei@aol.com>
Sent: Monday, September 30, 2019 9:16 PM
To: Anderegg, Angela Segars <ARSEGARS@southernco.com>
Subject: Re: Information on additional land proposed to be reclassified at Flat Rock

---

Hello Angie,

I am not sure if our botanical inventory team will be able to expand their inventory to the land west of the power line this Fall. They were going to try to do a walk thru and share what they find similar to what I did. However, I share this info with them and see what they want to do.

As to what I looked at, it was all the land proposed to be designated Natural Undeveloped that was to the west of the original 20 acre botanical area that contains the isolated pristine granite outcrops habitats. The boundaries matched the recently proposed land use map boundaries.

Thanks,
Ken Wills

Sent from my iPhone

On Sep 30, 2019, at 2:49 PM, Anderegg, Angela Segars <ARSEGARS@southernco.com> wrote:

> Hi Ken,
>
> If the botanical inventory will expand beyond the original 20 acres, we'll need to amend our contract to expand the scope of work and cost. We can certainly do that. We need to make sure those doing the fall inventory are on board. Also, please send a map of the area where the survey will be expanded so we can ensure it's within the project boundary, on Alabama Power property, etc.
>
> Thanks,
>
> **Angie Anderegg**
> Hydro Services
> (205)257-2251
> arsegars@southernco.com
>
> ---
>
> **From:** Ken Wills <memontei@aol.com>
> **Sent:** Thursday, September 26, 2019 9:35 PM
> **To:** Anderegg, Angela Segars <ARSEGARS@southernco.com>; ken.wills@jcdh.org
> **Subject:** Information on additional land proposed to be reclassified at Flat Rock
>
>

Hello Angie,

I was able to do a brief survey of the additional land at Flat Rock that is proposed to be reclassified as Natural Undeveloped. My background is focused on forest/habitat ecology rather than general botany, but from what I can see, classifying that additional land at Flat Rock as Natural Undeveloped would help protect botanical habitats and species that are rare to nonexistent in the originally proposed granite outcrop rare plant habitat focused 20 acre botanical area. This would lead to a more thorough conservation of the area's overall botanical diversity.

The additional proposed Natural Undeveloped lands on the other side of the power line contains the floodplain of what appears to be a perennial stream. Those bottoms and adjacent sheltered slopes contain mesic hardwood forests and some floodplain forests including species such as American Beech, Sweetbay Magnolia, and Cane. I also saw some of the largest old growth American Beach that I have every seen on some of land's lower slopes. These scattered old trees were bypassed by the original logging of the property probably because they are hollow, but they are still impressive. The shady moist ground layers contains an abundance of various ferns not associated with drier habitats including Cinnamon and Chain ferns. These habitats and associated species are rare to nonexistent within the thin dry soils associated with granite outcrops of the originally proposed botanical area.

Also, the additional lands has the largest population of Running Cedar I have ever seen. In most places, you see a small patch, but evidently Piedmont soils are very favorable for this species, and it occurs over quarter acre or more in several locations on the property. The upland pine hardwood forest of additional lands also contains residual Longleaf and Shortleaf pine. It is unusual to find Longleaf pine this deep in the Piedmont. The deeper soil uplands of the additional lands also support habitats and species rare to nonexistent within the Loblolly Pine-hardwood dominated forest around the granite outcrops in the core originally proposed botanical area.

While the originally proposed 20 acre botanical area is the most important area to conserve because of the rare plants found only on granite outcrop habitats, the protection of the adjacent lands west of the power line as Natural Undeveloped will certainly ensure a greater diversity of botanical habitats and species of this Piedmont region are conserved for long-term study and appreciation. We support conserving both the core 20 acres containing the granite outcrops at Flat Rock as well as the recently proposed additional lands to the west as Natural Undeveloped. If we can obtain more information about the plants and animals of these additional lands we will share them with you.

Thanks,
Kenneth Wills
Acting Coordinator
Alabama Glade Conservation Coalition

From: Mitchell, Steven
To: Carlee, Jason
Cc: Mills, Tina L.; Baker, Jeffery L.
Subject: RE: Quail Habitat Evaluation for Harris/Skyline
Date: Friday, January 17, 2020 10:04:57 AM
Attachments: image001.png

Jason,
I'm not sure any of our quail survey points have been on Alabama Power property within Skyline, but I will check and put together what I have on quail surveys. Also, I will schedule a trip up and coordinate that with you.

Thanks,

Steven Mitchell
Upland Game Bird Coordinator
Alabama Department of Conservation and Natural Resources
Division of Wildlife and Freshwater Fisheries, Wildlife Section
64 North Union Street, Suite 584
Montgomery, AL 36104
Phone: 334.242.3469
steven.mitchell@dcnr.alabama.gov
www.outdooralabama.com

From: Carlee, Jason <JCARLEE@southernco.com>
Sent: Friday, January 17, 2020 9:27 AM
To: Mitchell, Steven <Steven.Mitchell@dcnr.alabama.gov>
Cc: Mills, Tina L. <tlmills@southernco.com>; Jeff Baker <jefbaker@southernco.com>
Subject: Quail Habitat Evaluation for Harris/Skyline

Steven,

As I mentioned on the phone, there is over 15,000 acres of property at Skyline that is leased to ADCNR by Alabama Power. The land was set aside as mitigation for land that was inundated by RL Harris Reservoir and is currently managed by ADCNR as part of the Skyline WMA. Alabama Power is currently relicensing the Harris project and we have a received a stakeholder request to evaluate potential quail habitat at the Skyline property. Our first step is to conduct a desktop analysis to see if there is suitable habitat and include any existing data. We plan to evaluate groundcover based on available GIS data. Please let me know if you have any additional data such as habitat surveys or population counts that could help with the evaluation. We will include a brief summary of how the evaluation was conducted and its results and add it to the Project Lands study report. The targeted deadline to complete this evaluation and provide the summary paragraphs is February 14th. I have copied Tina Mills in our Hydro group since she is pulling the report together and Jeff Baker who is one of our biologists.

I haven’t seen the property myself and would be glad to make up trip up there to look at it with you. Please let me know if you have any questions.

Thank you for your help!
Jason

Jason Carlee
Environmental Affairs
Alabama Power Company

From: Mills, Tina L.
Sent: Monday, January 27, 2020 3:51 PM
To: vester.whitmore@gmail.com; mprandolphwater@gmail.com
Cc: wdlndw@gmail.com; snelson@nelsonandco.com; Mark Carter; jctinney@hotmail.com; Smith, Sheila C.; St. John, Thomas W.; Anderegg, Angela Segars; Crew, James F.; Peeples, Alan L.; Graham, Stacey A.
Subject: Randolph County Water Pump Station

Good afternoon Mr. Whitmore and Mr. Prestridge,

Thank you again for your time this morning, and I enjoyed meeting you both. As we discussed in our meeting this morning, Alabama Power has reviewed the site south of the Hwy 48 bridge and does not currently have any objections to the installation of a water withdrawal at this site. Remember that this location is contingent on FERC approval, and we will need to establish a water withdrawal agreement, complete the Non-Residential Permitting Process, and complete various land rights documents. We've put together a list of next steps below. Your primary point of contact will be me, Tina Mills, (tlmills@southernco.com, 205-257-4892) with the exception of the water withdrawal contact, for which your contact will be (Alan Peeples, alpeeple@southernco.com, 205-257-1401). Please do not hesitate to let us know if you have any questions. Thank you.

General Overview of the process/next steps

1. Right of Entry: Randolph County Water Authority needs a Right of Entry from Alabama Power to conduct due diligence on the site located south of Highway 48.
2. Water Withdrawal Contract: Randolph County and Alabama Power will work together to execute a water withdrawal contract.
3. Non-Residential Permit: Once a final location is determined:
    a. Randolph County and Alabama Power will have an on-site meeting.
    b. Randolph County will submit a complete Non-Residential Permit Application to Alabama Power.
    c. Alabama Power will complete a full assessment of any sensitive resources.
    d. Alabama Power will conduct agency consultation. Typically, the NRP applicant conducts agency consultation. However, because this project involves several additional components, Alabama Power will conduct the agency consultation.
4. Land Rights: Randolph County and Alabama Power will work together to finalize land documents for the project, such as a lease for the pumping station location, an access agreement, slope easement, and/or easements for water lines.
5. FERC Process:
    a. Alabama Power will conduct agency consultation.
    b. Alabama Power will submit an application to FERC for approval, that will include:
        - Land Use Plan variance
        - Non-Residential Permit
        - Water Withdrawal contract
        - Change in land rights pertaining to the lease and easements on project lands
    c. FERC approval can take a year or longer. However, it is likely that it will not take as long, because FERC staff is already aware of this request.

Tina L Mills
Hydro Licensing Specialist - APC Hydro Licensing and Compliance
Southern Company Generation
Email: tlmills@southernco.com

600 North 18th Street
16N-8180
Birmingham, AL 35203
Phone: (205) 257-4892
Fax: (205) 257-1596

From:	Wills, Ken
To:	APC Harris Relicensing
Subject:	RE: Harris Relicensing - March 19th HAT 3 meeting
Date:	Tuesday, February 25, 2020 8:54:37 AM

Thanks for the info.

From: APC Harris Relicensing [mailto:g2apchr@southernco.com]
Sent: Tuesday, February 25, 2020 8:54 AM
To: Wills, Ken <Ken.Wills@jcdh.org>
Subject: RE: Harris Relicensing - March 19th HAT 3 meeting

Hi Ken,

We won't be covering anything related to project lands or the botanical area at this meeting.

Thanks,

Angie Anderegg
Hydro Services
(205)257-2251
arsegars@southernco.com

From: Wills, Ken <Ken.Wills@jcdh.org>
Sent: Friday, February 21, 2020 3:34 PM
To: APC Harris Relicensing <g2apchr@southernco.com>
Subject: RE: Harris Relicensing - March 19th HAT 3 meeting

Hello Angie,

I know the focus of this meeting is aquatics and threatened and endangered species. Will they be covering anything related to the botanical area or land use at this HAT 3 meeting?

Thanks,
Ken Wills

From: APC Harris Relicensing [mailto:g2apchr@southernco.com]
Sent: Friday, February 21, 2020 12:48 PM
To: APC Harris Relicensing <g2apchr@southernco.com>
Subject: Harris Relicensing - March 19th HAT 3 meeting

opening attachments or clicking links, especially from unknown senders.

HAT 3,

Alabama Power Company will be hosting a series of HAT meetings on **Thursday, March 19, 2020 at the Oxford Civic Center,** 401 Mccullars Ln, Oxford, AL 36203. The HAT 3 meeting will be from **1:30-3:30** (see attached agenda). The purpose of the HAT 3 meeting is to review progress to date for the Threatened and Endangered Species, Downstream Aquatic Habitat and Aquatic Resources studies.

Please RSVP by Friday, March 13, 2020. Lunch will be provided (~11:15) so please indicate any food allergies or vegetarian preferences on or before March 13, 2020. I encourage everyone to attend in person. If this is not feasible, we are also offering a Skype option (info below). It would be ideal to join on your computer as we will be viewing presentations and maps.

If you have any questions about the agenda or meeting, please email or call me at ARSEGARS@southernco.com or (205) 257-2251.

Join Skype Meeting [linkprotect.cudasvc.com]

+1 (205) 257-2663

Conference ID: 3660816

Angie Anderegg
Hydro Services
(205)257-2251
arsegars@southernco.com

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2/28/2020

Kleinschmidt Associates and Southern Company
Re: Contract #: 09-4050-M-SCS
A Botanical Inventory of Flat Rock Park, Blake's Ferry, Alabama

To whom it may concern:

Please find attached the final report of the botanical inventory of the granite outcrop at Flat Rock Park, at Blake's Ferry, Alabama. During 2019, a three person team made up of Dan Spaulding, Katie Horton, and Tom Diggs visited the site once per month throughout the growing season and inventoried every species of plant we could detect on the site. We documented 365 species in 97 plant families, including many that had never been documented within Randolph County before. After careful review of the species and observation of site conditions, we have several recommendations regarding the future management of this site:

1) Many of the species documented are adapted to the unique soil, moisture, and light conditions present within the parcel of land surveyed, and some of them only occur in slight pits on the rock that were created by thousands of years of erosion. In order to protect these plants and the delicate ecosystem that they are part of, it is the recommendation of the authors that this land be re-classified as Natural/Undeveloped.
2) Actions should be taken to restore the Inventory Area to its natural quality using prescribed burns and, where necessary, physical removal of trash and invasive species such as *Ligustrum sinense* (Chinese privet).
3) In addition, it is recommended that vehicle traffic in the Inventory Area be more effectively restricted with signage and gates. During one inventory visit, the research team observed an SUV with several people in it drive through the most vulnerable and biodiverse part of the Inventory Area. In these habitats, a stray tire from a single vehicle could eliminate an entire population of vulnerable plants.

Thank you once again for the opportunity to work on this delicate and important natural site. We look forward to working with you in the future.

Sincerely,

James Diggs

Katie Horton

David D. Spaulding

Dan Spaulding

P.O. Box 1587 · 800 Museum Drive · Anniston, Alabama 36202-1587 · Phone: 256-237-6766 · Fax: 256-237-6776 · E-mail: info@annistonmuseum.org

From:	Wills, Ken
To:	Carlee, Jason; Anderson, Wesley Taylor; Anderegg, Angela Segars; Tom Diggs (Tom.Diggs@ung.edu)
Cc:	Baker, Jeffery L.; Chitwood, John C.; Yerby, Joshua Newton
Subject:	RE: Damage at Flat Rock Park
Date:	Thursday, March 26, 2020 7:28:45 PM

Thanks Jason,

Sounds good. One thing I will mention is that there is an old logging type road that runs into this property from the adjacent landowner due south of the granite outcrops we are trying to protect. In the past, I saw signs that ATVs had crossed the trashed out granite outcrop of that adjacent property which is next to the road on the left before you get to the park gates, and then they followed the short log road north to the more pristine outcrops in the backcountry of Flat Rock Park. If that road could be signed or fenced/blocked at the property line that would probably help keep ATVs off the granite outcrops that may be entering from that way.

I have added Tom Diggs (who recently witnessed the damage) to this email chain in case he has some more specifics on where the ATV problem is coming from.

Thanks again,
Ken

From: Carlee, Jason [mailto:JCARLEE@southernco.com]
Sent: Thursday, March 26, 2020 1:30 PM
To: Wills, Ken <Ken.Wills@jcdh.org>; Anderson, Wesley Taylor <WTANDERS@SOUTHERNCO.COM>; Anderegg, Angela Segars <ARSEGARS@southernco.com>
Cc: Baker, Jeffery L. <JEFBAKER@southernco.com>; Chitwood, John C. <JCHITWOO@SOUTHERNCO.COM>; Yerby, Joshua Newton <JNYERBY@SOUTHERNCO.COM>
Subject: RE: Damage at Flat Rock Park

Ken,

We're going to put up some signage this week to let people know that ATV traffic is prohibited. A few of us are also going to visit the site next week and try to develop a more effective, long-term solution.

I'll follow up once we have more information.

Thanks,
Jason

From: Wills, Ken <Ken.Wills@jcdh.org>
Sent: Thursday, March 26, 2020 8:15 AM
To: Carlee, Jason <JCARLEE@southernco.com>; Anderson, Wesley Taylor <WTANDERS@SOUTHERNCO.COM>; Anderegg, Angela Segars <ARSEGARS@southernco.com>
Cc: Baker, Jeffery L. <JEFBAKER@southernco.com>; Fitch, Robert Chadwick <RCFITCH@southernco.com>; Chitwood, John C. <JCHITWOO@SOUTHERNCO.COM>
Subject: RE: Damage at Flat Rock Park

Hello all,

Thanks so much, for addressing this. Some folks on this email list may not be familiar with the effort to protect this backcountry granite outcrop area of Flat Rock Park as a Botanical/Natural Undeveloped area through the FERC relicensing process, so if anybody has any questions about how to protect the proposed botanical area from vehicle traffic or questions about the species/habitats of this area, they can feel free to email me or call me on my cell (205) 960-8570.

Stay well,
Kenneth Wills
Acting Coordinator
Alabama Glade Conservation Coalition

From: Carlee, Jason [mailto:JCARLEE@southernco.com]
Sent: Thursday, March 26, 2020 8:01 AM
To: Anderson, Wesley Taylor <WTANDERS@SOUTHERNCO.COM>; Wills, Ken <Ken.Wills@jcdh.org>; Anderegg, Angela Segars <ARSEGARS@southernco.com>
Cc: Baker, Jeffery L. <JEFBAKER@southernco.com>; Fitch, Robert Chadwick <RCFITCH@southernco.com>; Chitwood, John C. <JCHITWOO@SOUTHERNCO.COM>
Subject: RE: Damage at Flat Rock Park

Ken,

Thank you for bringing this to our attention. I'm sure there is much more traffic right now with all the kids out of school. We'll discuss some options in-house and follow up with you soon.

Jason

From: Anderson, Wesley Taylor <WTANDERS@SOUTHERNCO.COM>
Sent: Thursday, March 26, 2020 7:13 AM
To: Wills, Ken <Ken.Wills@jcdh.org>; Anderegg, Angela Segars <ARSEGARS@southernco.com>
Cc: Carlee, Jason <JCARLEE@southernco.com>; Baker, Jeffery L. <JEFBAKER@southernco.com>; Fitch, Robert Chadwick <RCFITCH@southernco.com>; Chitwood, John C. <JCHITWOO@SOUTHERNCO.COM>
Subject: RE: Damage at Flat Rock Park

Ken,
Good to hear from you, but sorry to hear the news about the ATV traffic at Flat Rock. I have included a few additional people to see if they have ideas to correct this issue. I also wanted to be sure that our biologists are also fully aware of this sensitive area.

Jason Carlee – Water Field Services Supervisor
Jeff Baker – Senior biologist
Chad Fitch – Senior biologist
John Chitwood – Transmission Right of Way Supervisor

Thanks,

Wes Anderson
Alabama Power Company
Environmental Affairs
205-664-6519 office
205-438-0465 mobile

From: Wills, Ken <Ken.Wills@jcdh.org>
Sent: Wednesday, March 25, 2020 7:11 PM
To: Anderson, Wesley Taylor <WTANDERS@SOUTHERNCO.COM>; Anderegg, Angela Segars <ARSEGARS@southernco.com>
Subject: Damage at Flat Rock Park

Hello Angie and Wes,

I hope you are doing well in this time of working from home and social distancing. I was communicating with Tom Diggs who is organizing the continuing botanical survey of the backcountry area at Flat Rock Park. He said on a recent survey trip he

noticed where vehicle traffic was damaging some of the rare plant habitats on the granite outcrops were are all working to preserve. We all knew that trespassing vehicles and ATVs driving the powerline corridor had the potential to damage that area, but it looks like someone has now actually driven through the rare plant habitats. Tom let me know that there are tire tracks a few feet away from the only population of spotted scorpionweed in the state of Alabama. Diamorpha pools have been badly damaged, and the habitat of another species recently discovered on the site, granite quillwort, is also threated by these vehicles.

I am not sure what you all can do with so much of our state's efforts focused on addressing corona and keeping utility services going during this uncertain time, but we had talked in the past about putting up a fence/gate where that powerline meets the road to help keep trespassing vehicles/ATVs out of that area. If resources are currently available to put in such a fence/gate that would be great. The glade itself may need to be fenced if a fence/gate next to the road will not keep the vehicles out of the rock outcrops. If this needs to wait until things return to normal I understand that as well.

Let me know how and when you want to handle this.

Thanks,
Ken Wills
Alabama Glade Conservation Coalition
(205) 515-9412 cell