



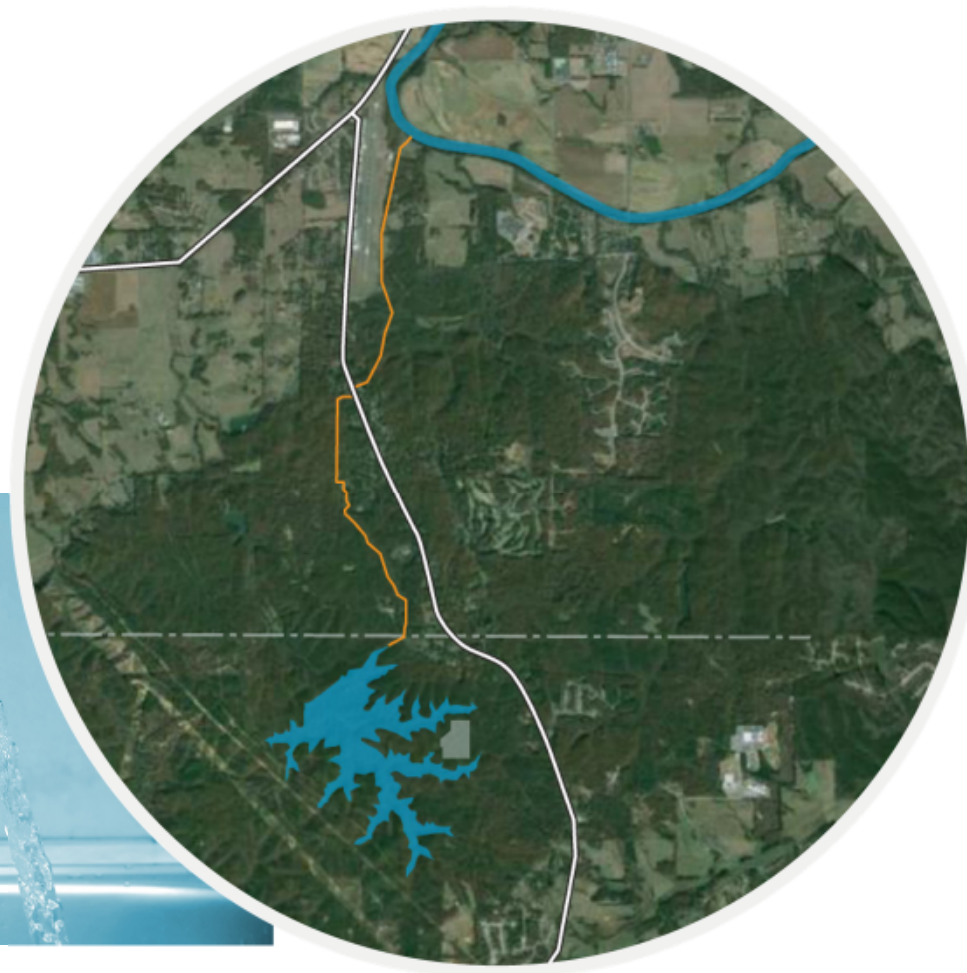
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Paulding County, Georgia

# Richland Creek Reservoir Project

Prebid Conference  
May 5, 2016





# 1. Introductions

Laurie Ashmore | Paulding County Water System



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# 2. Sign-in Sheet

Kelly Comstock | Brown and Caldwell



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# 3. Overview of Program

Kelly Comstock | Brown and Caldwell



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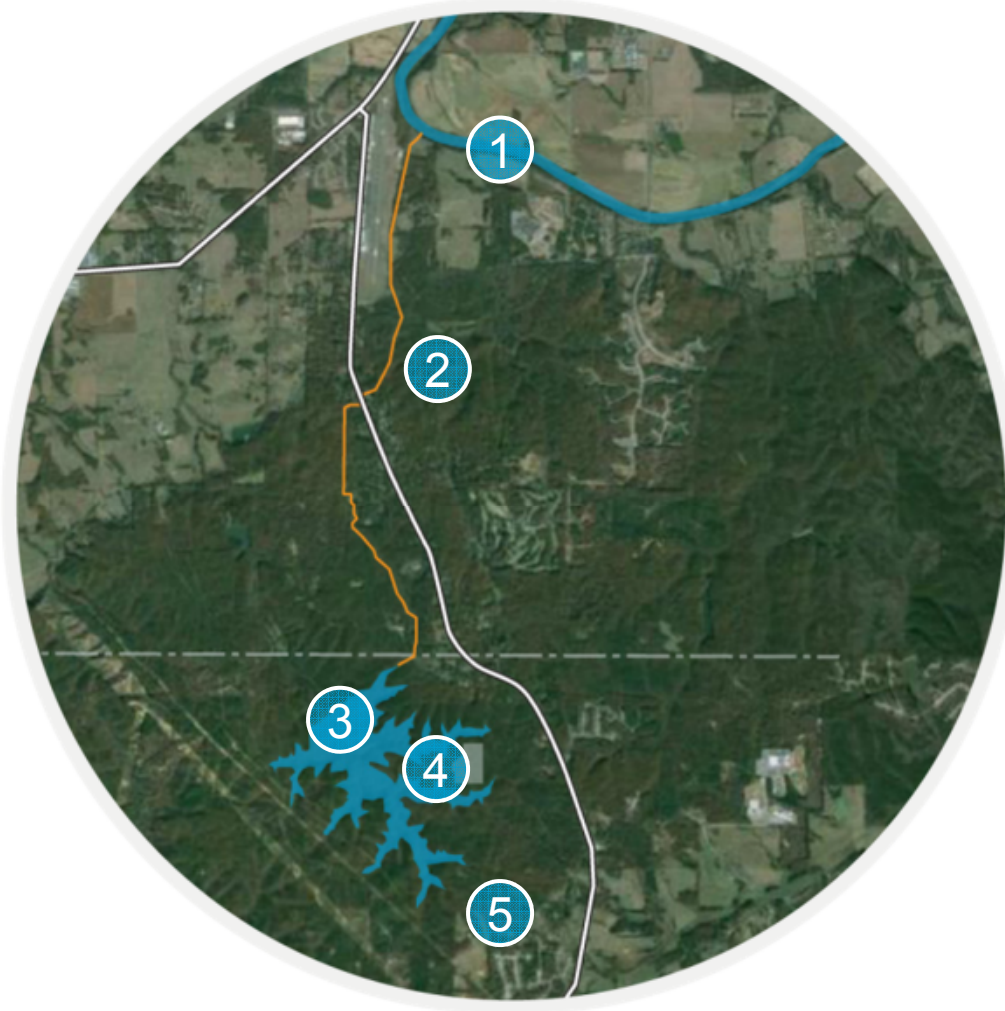
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# Richland Creek Water Supply Program Elements

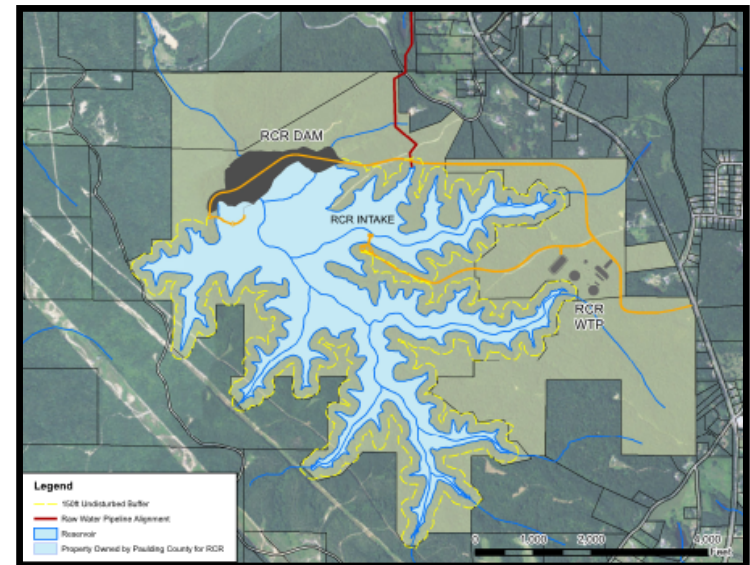
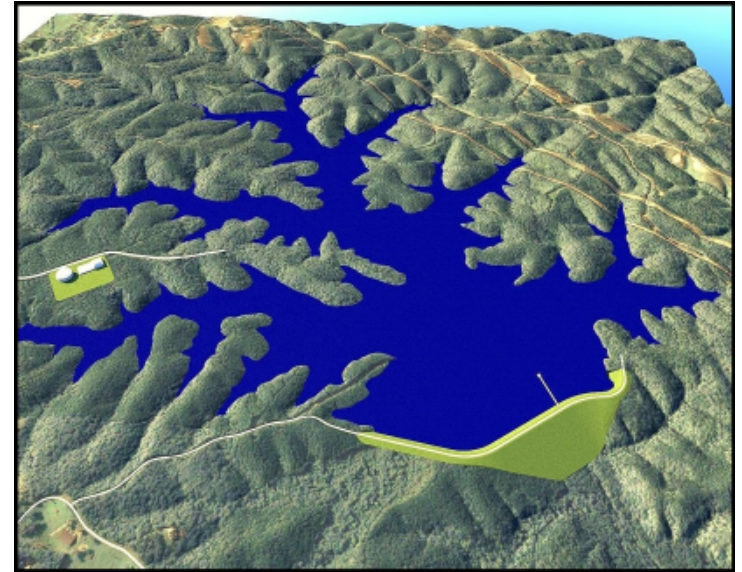
1. River Intake and Pump Station
2. Raw Water Pipeline
3. Dam and Reservoir
4. Water Treatment Plant, Reservoir Intake and Pump Station
5. Distribution System Improvements





# Richland Creek Reservoir

- 305 acre, 3.4 BG
- Passive recreation will be allowed
- Boat ramp and dock for public access
- Adjacent park
- 150 ft undisturbed buffer around reservoir

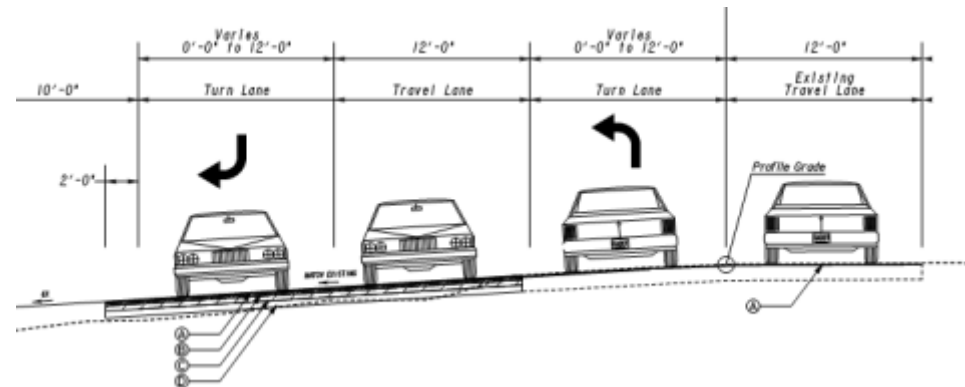






# Initial Site Preparation Contract

- Hwy 61 intersection improvements (turning lane and acceleration / deceleration lane)
- Entrance road to be ready for WTP and Reservoir contractors
- Stockpiling of soil from WTP site
- Being completed by Brad Cole Construction

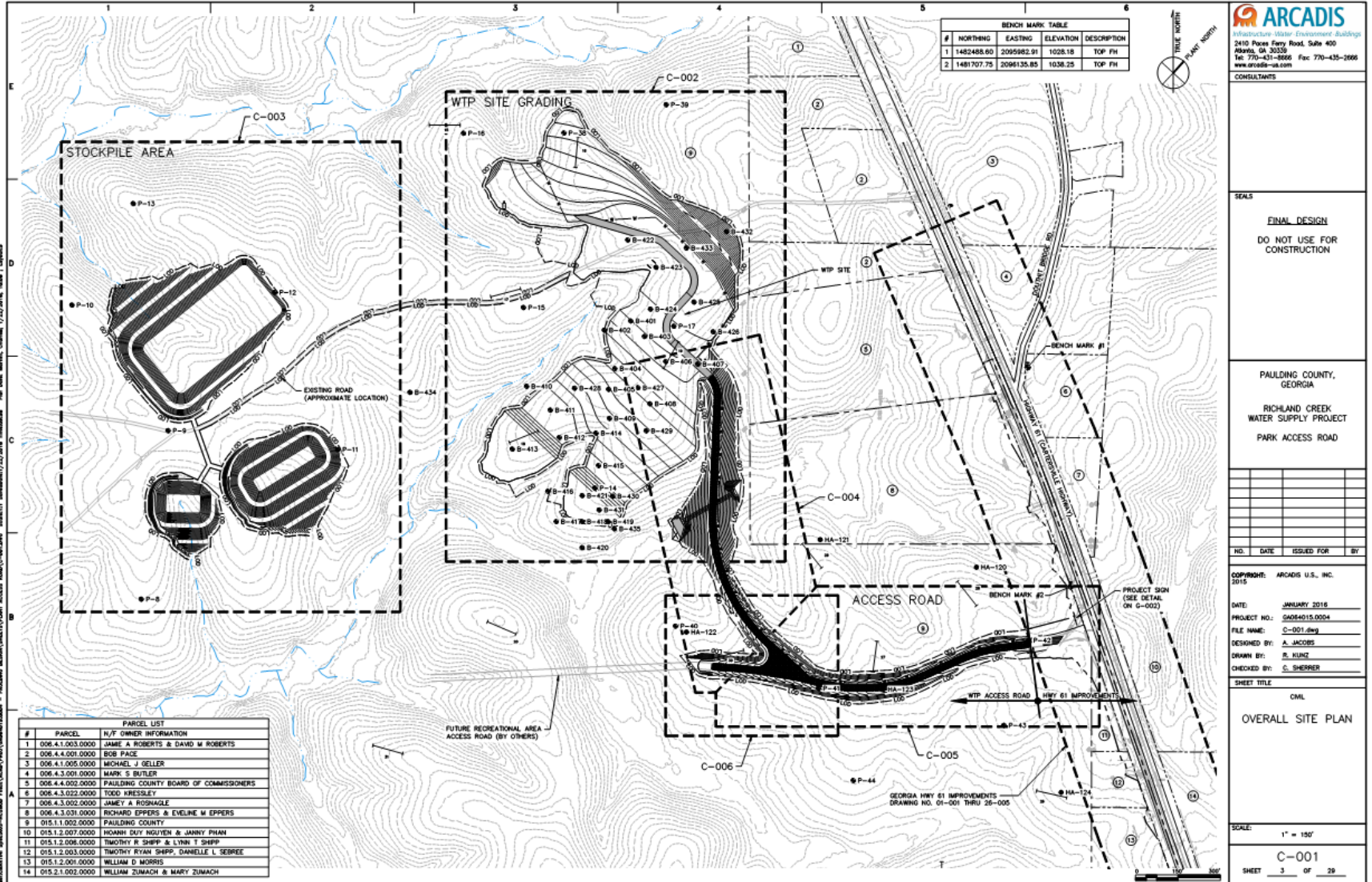




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# Initial Site Preparation Contract



**ARCADIS**  
Infrastructure - Water - Environment - Buildings  
2410 Paces Ferry Road, Suite 400  
Atlanta, GA 30339  
Tel: 770-431-8666 Fax: 770-435-2666  
www.arcadis-usa.com  
CONSULTANTS

SEALS  
**FINAL DESIGN**  
DO NOT USE FOR CONSTRUCTION

PAULDING COUNTY, GEORGIA  
RICHLAND CREEK WATER SUPPLY PROJECT  
PARK ACCESS ROAD

NO.	DATE	ISSUED FOR	BY

COPYRIGHT: ARCADIS U.S., INC. 2015  
DATE: JANUARY 2016  
PROJECT NO.: S0404015.0004  
FILE NAME: C-001.dwg  
DESIGNED BY: A. JACOBS  
DRAWN BY: M. KUNZ  
CHECKED BY: S. SHERNER  
SHEET TITLE

CML  
OVERALL SITE PLAN

SCALE: 1" = 150'  
C-001  
SHEET 3 OF 29





# Raw Water Pipeline

- 48" raw water pipeline from the Etowah River Pump Station
- Being completed by Garney Construction
- Connection point at Old Dallas Road

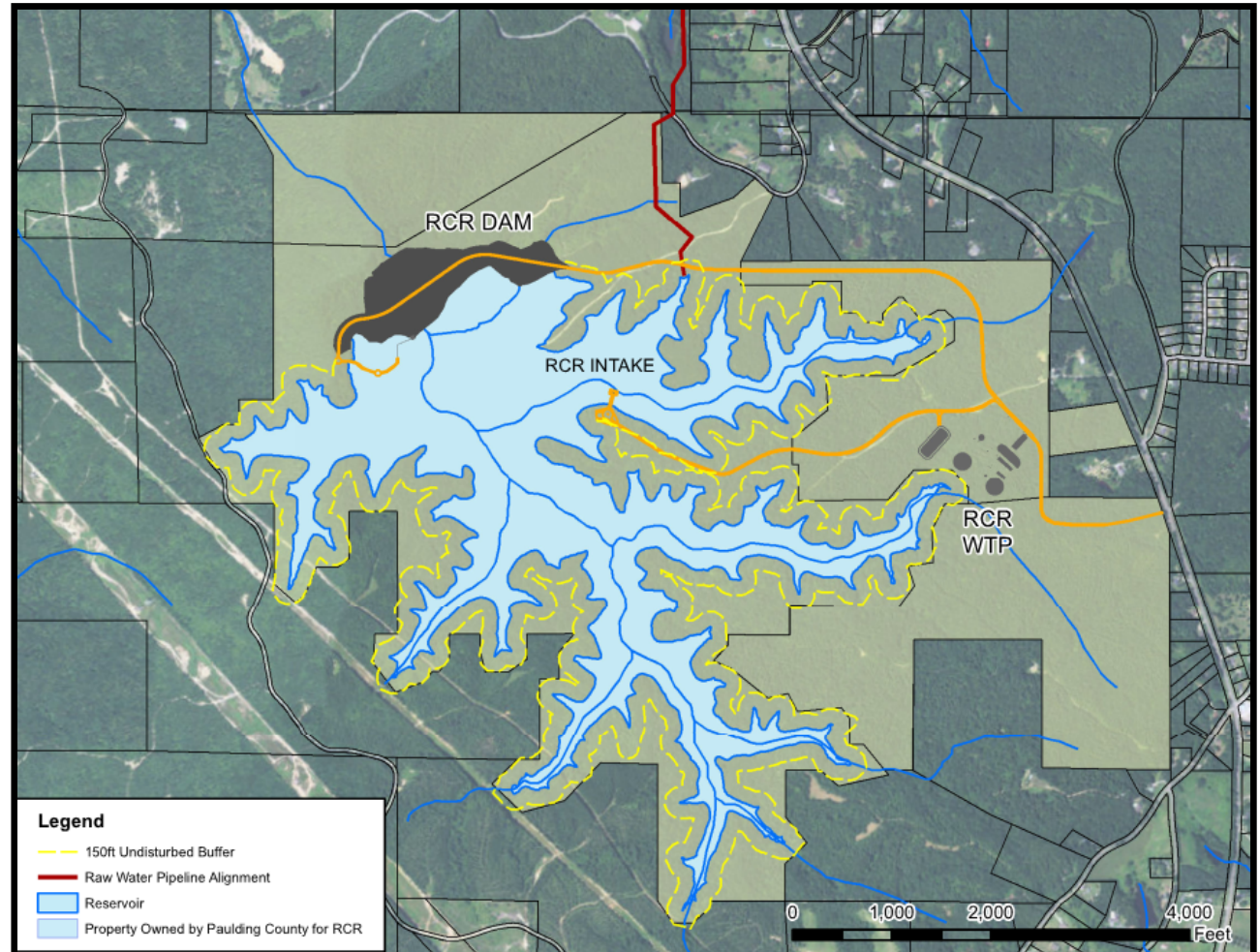






# Richland Creek Reservoir Buffer Requirements

- 150 ft undisturbed buffer must be maintained





# 404 Permit Requirements

## USGS Monitoring Station Installed and Online

Required by Permit to be installed in advance of any construction activity

Continuous flow and water quality analysis

Installed by USGS

- pH
- Turbidity
- Temperature
- DO
- Conductivity







**Elevated Monitoring Station Tower**



**Gage and Probe Installation in Richland Creek**



**Instrumentation Enclosure and Solar Array**





**Instrumentation Within Secure Enclosure**



**Satellite Communication System for Station**



# USGS Monitoring Station Installed and Online

Continuous Data available online through USGS website

System allows for custom tracking setpoint and cell phone alarm

The screenshot shows the USGS National Water Information System (NWIS) web interface for station 02394682, Richland Creek at Old Dallas Rd, near Dallas, GA. The page displays the following information:

- Station Information:** USGS 02394682 RICHLAND CREEK AT OLD DALLAS RD, NEAR DALLAS, GA. Provisional data subject to revision.
- Available Parameters Table:**

Available Parameters	Available Period
<input checked="" type="checkbox"/> All 7 Available Parameters for this site	
<input checked="" type="checkbox"/> 8048 Stage height	2016-01-28 2016-02-02
<input checked="" type="checkbox"/> 8045 Precipitation	2016-01-28 2016-02-02
<input checked="" type="checkbox"/> 8018 Temperature, water	2016-01-28 2016-02-02
<input checked="" type="checkbox"/> 8099 Specific conduct at 23C	2016-01-28 2016-02-02
<input checked="" type="checkbox"/> 8040 pH	2016-01-28 2016-02-02
<input checked="" type="checkbox"/> 8388 Turbidity, Form Neph	2016-01-28 2016-02-02
<input checked="" type="checkbox"/> 8020 Dissolved oxygen	2016-01-28 2016-02-02

- Output format options:** Graph, Graph w/ stats, Graph w/ (up to 3) parms, Table, Tab-separated.
- Graph Settings:** Y-axis label 'Stage height, feet', X-axis label 'Time', and a legend for 'Provisional Data Subject to Revision'.
- Graph Data:** A line graph showing stage height in feet from approximately 2.15 to 2.25 feet over a period from late January to early February 2016. The data shows a general downward trend with some fluctuations.
- Summary and Links:** Summary of all available data for this site, Instantaneous data availability statement.
- Recent Data:** Most recent instantaneous value: 2.19 02-02-2016 07:30 EST.
- Additional Features:** 'Add up to 2 more sites and replot for "Stage height, feet"', 'Add site numbers' input field, and 'Begin date' (2016-01-28) and 'End date' (2016-02-01) selection options.



# 4. Staging, Access, Parking, Use of Facilities

Kelly Comstock | Brown and Caldwell

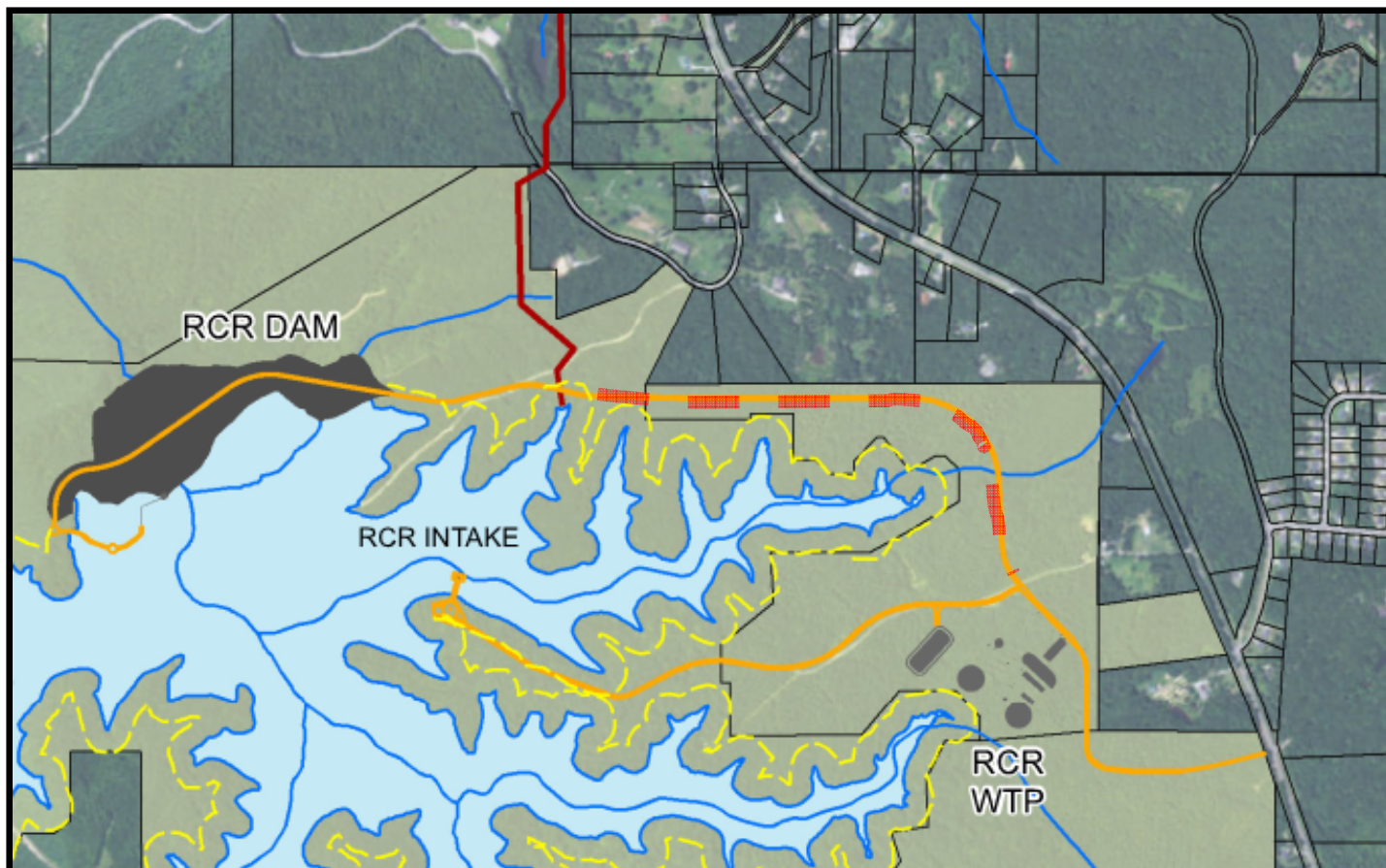


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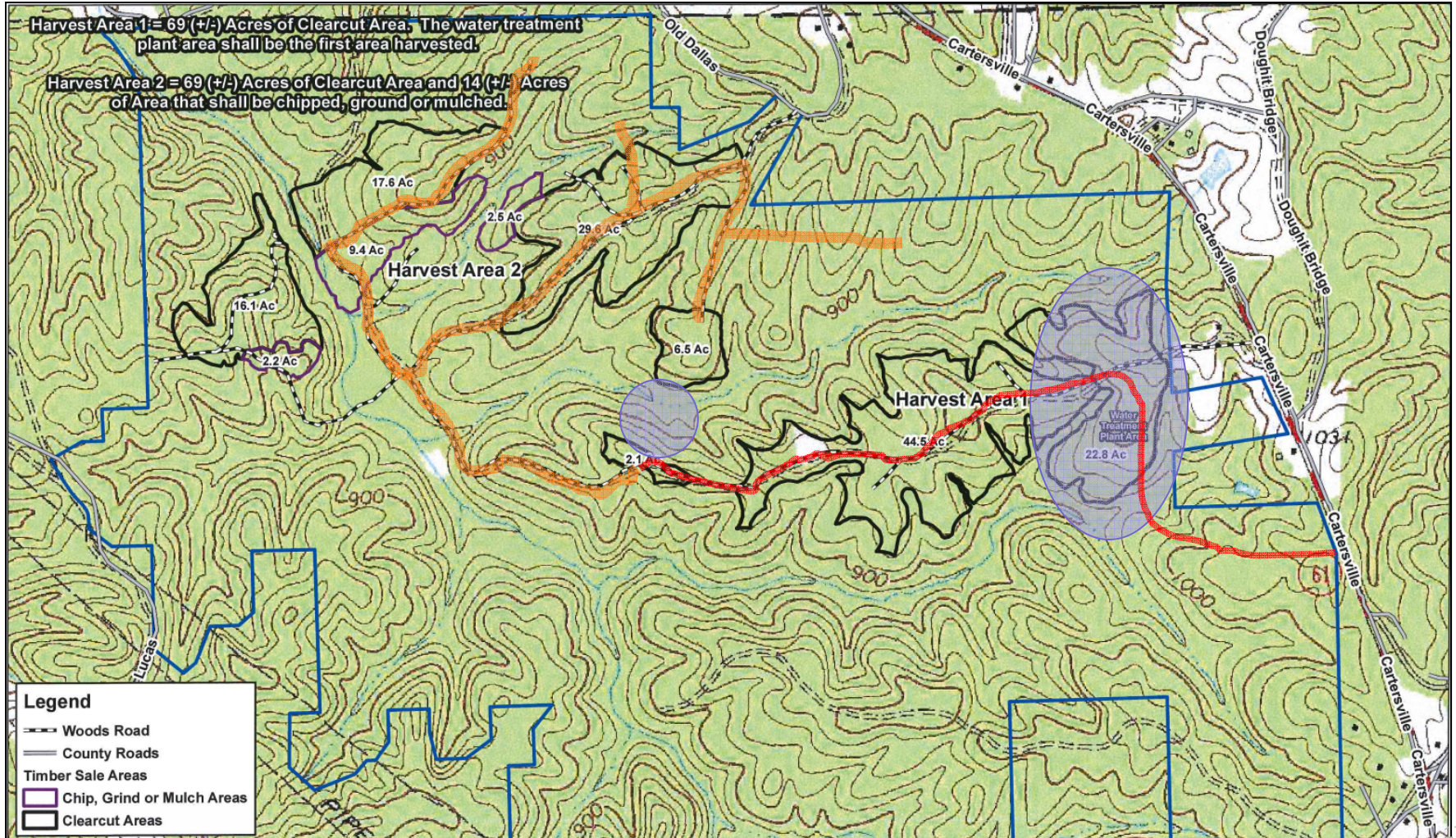
# Richland Creek Reservoir Access







# Planned Reservoir Contractor Access to Borrow Areas





# 5. Overview of Project

Jeff Powers | Hazen and Sawyer

Craig Robinson | Piedmont Geotechnical Consultants



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# 6. Addenda

John Dean | ARCADIS



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# 7. Bid Date and Time

John Dean | ARCADIS



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# Questions

Due May 23, 2016

Kelly Comstock, P.E.

RCR Program Manager

Brown and Caldwell

990 Hammond Drive Suite 400

Atlanta, GA 30328

Email: [kcomstock@brwncald.com](mailto:kcomstock@brwncald.com)

Phone: (770) 673-3669

Fax: (770) 369-9495

# 8. Completion Time and Project Schedule

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# 9. Safety

Joe Gaskin | ARCADIS



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# 10. Site Examination

Kelly Comstock | Brown and Caldwell



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# Site Access Request Form



## SITE ACCESS REQUEST FORM

**PROJECT:** Richland Creek Reservoir      **DATE(S) REQUESTED FOR SITE ACCESS:**  
**TO:** Kelly Comstock, Brown and Caldwell      **REQUEST FROM:**  
**Phone:** 404.401.3930      **Phone:**  
**Email:** [KComstock@BrownCaldw.com](mailto:KComstock@BrownCaldw.com)      **Email:**

**DESCRIPTION OF ACTIVITIES TO BE PERFORMED (include location, equipment to be used and time frames for each activity):**

CHECK ALL ACTIVITIES THAT APPLY (indicate location of each on attached map):		SITE ACCESS POINT:
<input type="checkbox"/> Boring	<input type="checkbox"/> Clearing or Grubbing	<input type="checkbox"/> Old Dallas Road via County access road
<input type="checkbox"/> Excavating	<input type="checkbox"/> Equipment Delivery	<input type="checkbox"/> Hwy 61 via Park Access Road
<input type="checkbox"/> Trenching	<input type="checkbox"/> Crossing Streams	<input type="checkbox"/> Other:

**INDICATE LOCATION OF ACCESS POINT AND ALL ACTIVITIES ON ATTACHED SITE MAP**

I agree that the above information is accurate and true to the best of my knowledge. If any information is determined to be inaccurate, I shall cease all site activities and immediately notify the program manager.

\_\_\_\_\_  
SIGNATURE      \_\_\_\_\_  
DATE

**REPLY:**  
 Access granted as requested.  
 Access granted with comments (see below).  
 Access denied (explanation below).

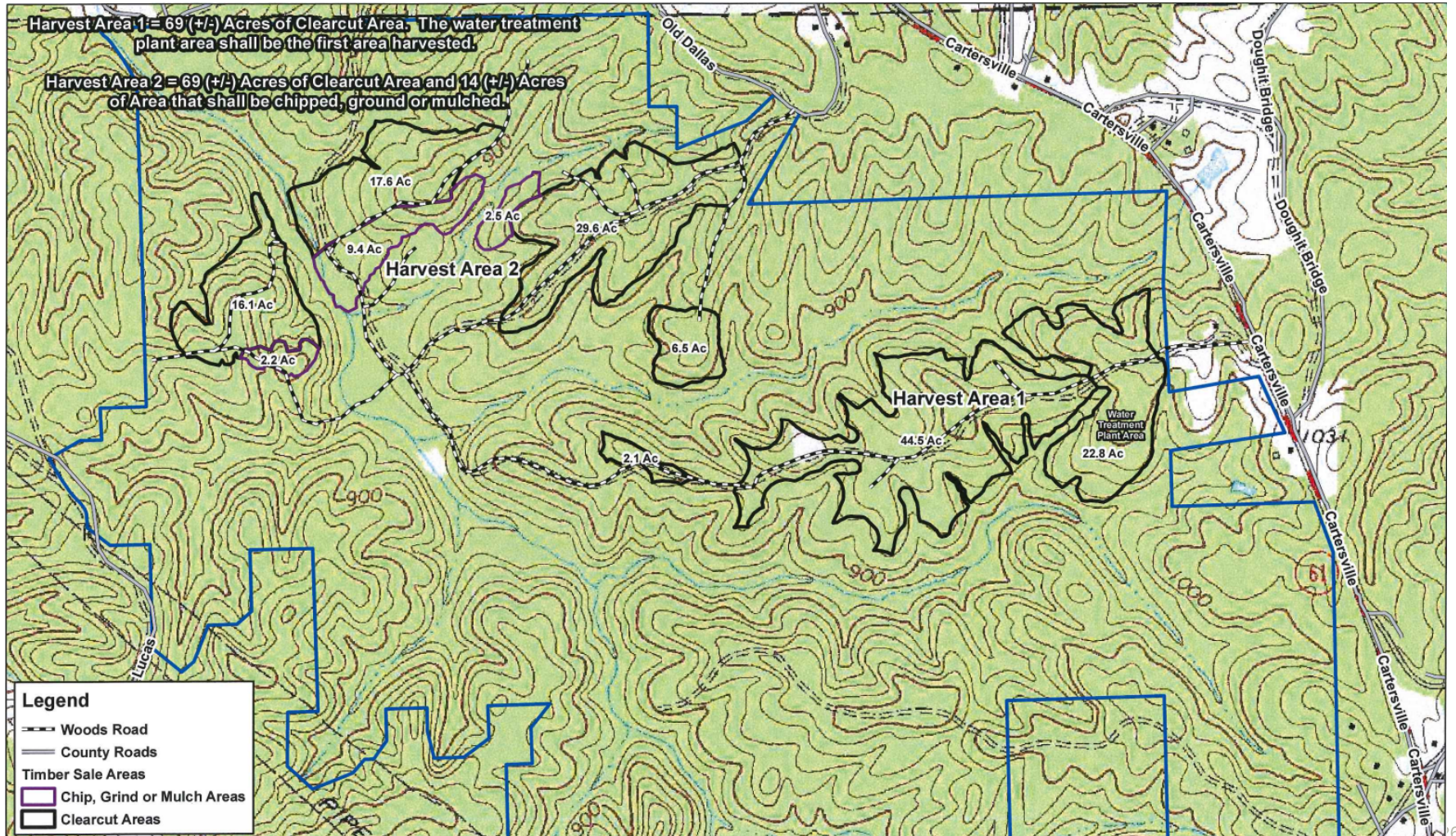
**COMMENTS:**

**DISTRIBUTION:** cc: Laurie Ashmore, Paulding County  
 \_\_\_\_\_  
 John Dean, ARCADIS  
 \_\_\_\_\_  
 Craig Robinson, Piedmont      \_\_\_\_\_  
 SIGNATURE      DATE





# Richland Creek Reservoir Site Access





# 11. Required Bid Submittals

John Dean | ARCADIS



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# 12. Bid Form

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# 13. Bidders' Qualifications

John Dean | ARCADIS



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# 14. Open Floor

John Dean | ARCADIS



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# 15. Adjourn



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