

FINAL HYDRAULIC AND HYDROLOGIC MODELING REPORT

(Volume II of III)

**LANGDALE PROJECT (FERC No. 2341)
AND
RIVERVIEW PROJECT (FERC No. 2350)**



Prepared for:

Georgia Power Company

Prepared by:

Kleinschmidt Associates

August 2022

Kleinschmidt

APPENDIX B

ACRONYMS

COMMONLY USED ACRONYMS AND ABBREVIATIONS

#

1D	1-dimensional
2D	2-dimensional

A

ACF	Apalachicola-Chattahoochee-Flint (River Basin)
ADCNR	Alabama Department of Conservation and Natural Resources
ADEM	Alabama Department of Environmental Management
AHC	Alabama Historical Commission
APE	Area of Potential Effects

B

BOD	Biological Oxygen Demand
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C

°C	Degrees Celsius or Centigrade
CEII	Critical Energy Infrastructure Information
CFR	Code of Federal Regulation
cfs	Cubic Feet per Second
CPUE	Catch-per-unit-effort
CRK	Chattahoochee River Keeper
Crow Hop Dam	Crow Hop Diversion Dam
CWA	Clean Water Act

D

DEM	Digital Elevation Model
DO	Dissolved Oxygen
dsf	day-second-feet

E

EAWSFPD	East Alabama Water, Sewer, and Fire Protection District
EAP	Emergency Action Plan
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
FPA	Federal Power Act
fps	Feet per second

G

Georgia Power	Georgia Power Company
GADNR	Georgia Department of Natural Resources
EPD	Georgia Department of Natural Resources-Environmental Protection Division
HPD	Georgia Department of Community Affairs – Historic Preservation Division
WRD	Georgia Department of Natural Resources-Wildlife Resources Division
GEC	Geotechnical & Environmental Consultants
GIS	Geographic Information System
GPS	Global Positioning Systems

H

H&H	Hydraulic and Hydrologic
H&H Report	Hydraulic and Hydrologic Modeling Report
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-SSP	HEC-Statistical Software Package
HDSS	High Definition Stream Survey
hp	Horsepower

I

J

K

kV	Kilovolt
kva	Kilovolt-amp
kHz	Kilohertz

L

LIDAR	Light Detection and Ranging
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M

m	Meter
m ³	Cubic Meter
M&I	Municipal and Industrial
mg/L	Milligrams per liter
ml	Milliliter
mgd	Million Gallons per Day
mi ²	Square Miles
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
msl	Mean Sea Level
MW	Megawatt
MWh	Megawatt Hour

N

NAVD	North American Vertical Datum
NEPA	National Environmental Policy Act
NGO	Non-governmental Organization
NHPA	National Historic Preservation Act
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
NWI	National Wetlands Inventory

O

P

PDF	Portable Document Format
Projects	Langdale and Riverview Hydroelectric Projects
PWC	Personal Watercraft

PWS Public Water Supply

Q

R

RM River Mile

S

SEPA Southeastern Power Administration
SHPO State Historic Preservation Officer

T

TMDL Total Maximum Daily Load
TNC The Nature Conservancy

U

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

V

Valley WWTP EAWSFPD's Lower Valley Wastewater Treatment Plant

W

WP Min Flow West Point Minimum Flow
WQC Water Quality Certification

APPENDIX C

USGS FLOW MEASUREMENTS

A scenic view of a river with a rocky shoreline and a dam in the distance. The river flows from the left towards the center, with a small dam or weir visible in the lower-left foreground. The shoreline is composed of large, flat, greyish-brown rocks. In the background, a dense forest of green trees lines the riverbank under a blue sky with scattered white clouds. A person is visible on the right bank, near the water's edge.

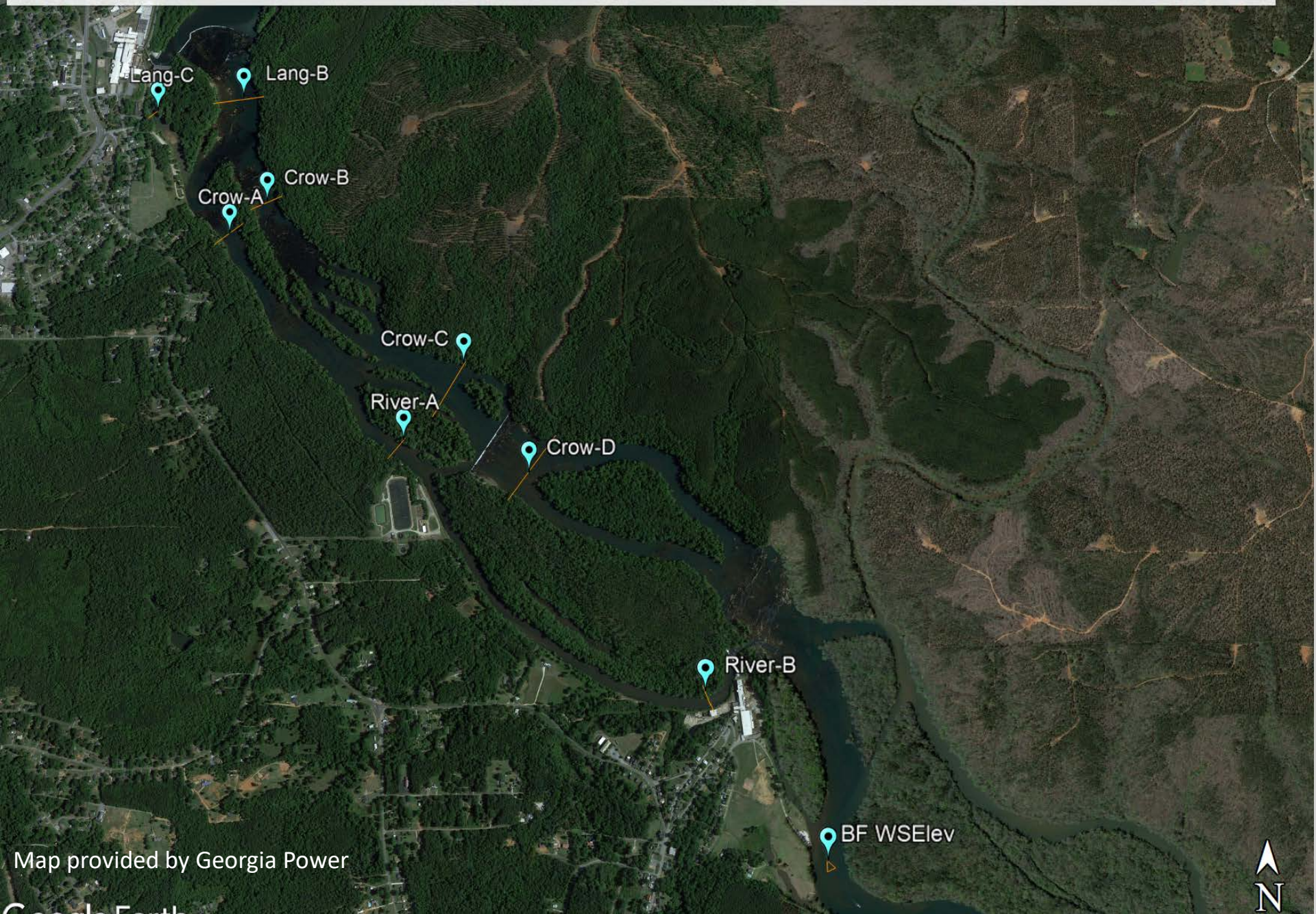
USGS Discharge Measurements in vicinity of Riverview Dam

Measurements obtained by Hydrologic Technicians
Robert C. Forde and Skylar D. McHenry

Report compiled by Christopher A. Smith

Langdale and Riverview

Flow measurements and water surface elevation measurements at all locations except BF WSElev, which is just a water surface elevation measurement.



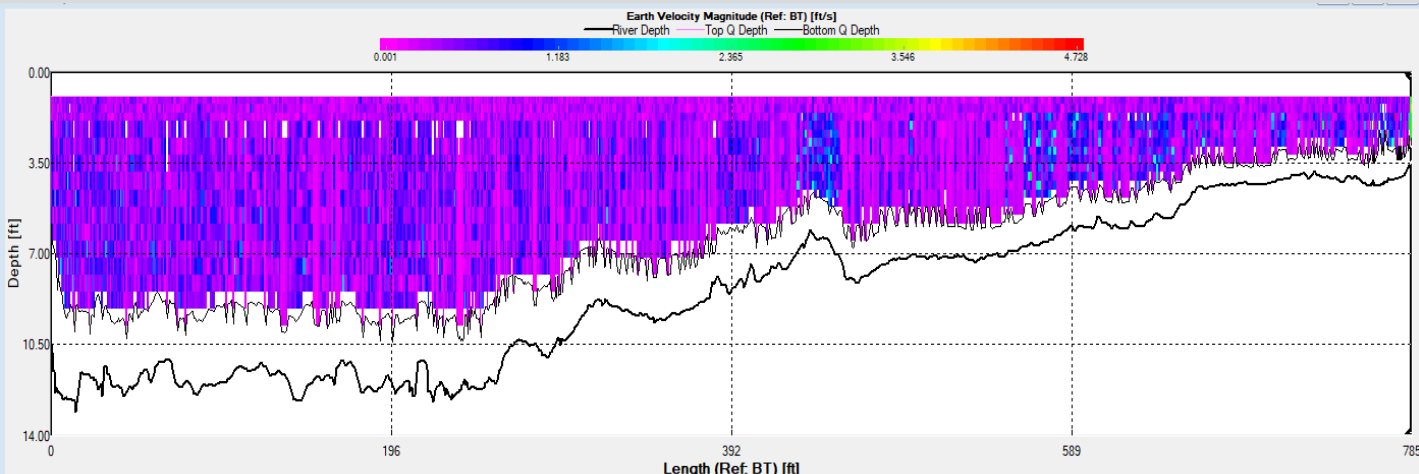
Map provided by Georgia Power

Google Earth



Discharge measurement above Langdale Dam

- Location of cross-section identified as **Lang-A** on map provided.
- Discharge measurement made above the influence of the dam on the cross section. This location chosen due to channel conditions.
- Velocity in this section was low but fairly uniform throughout the cross section.
- $W/S = 550.4$ feet. GPS accuracy of ± 0.30 feet.

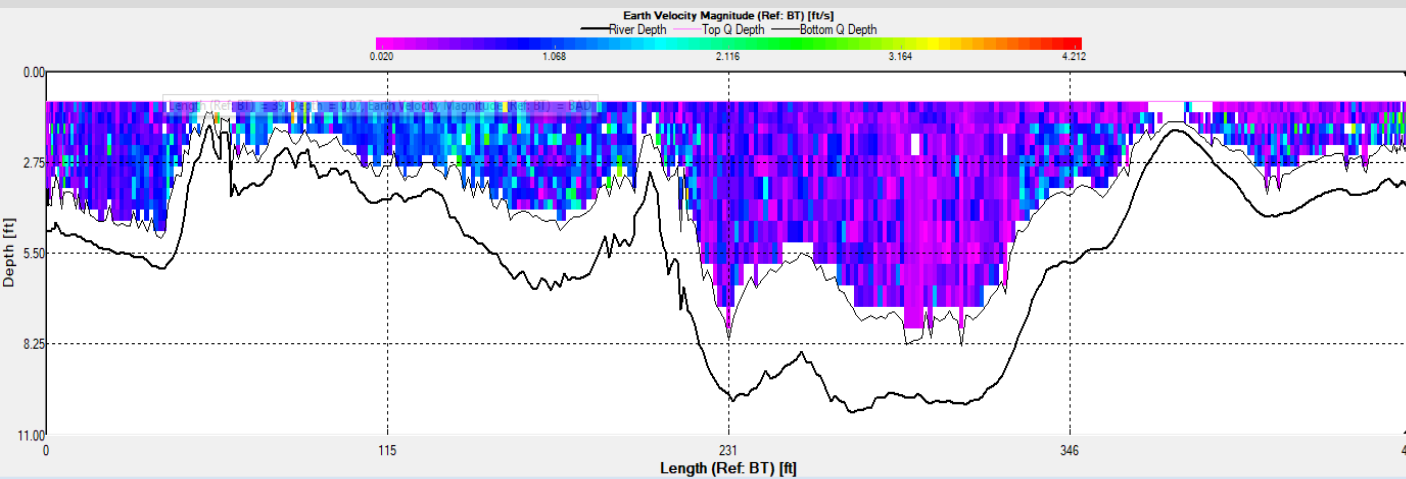
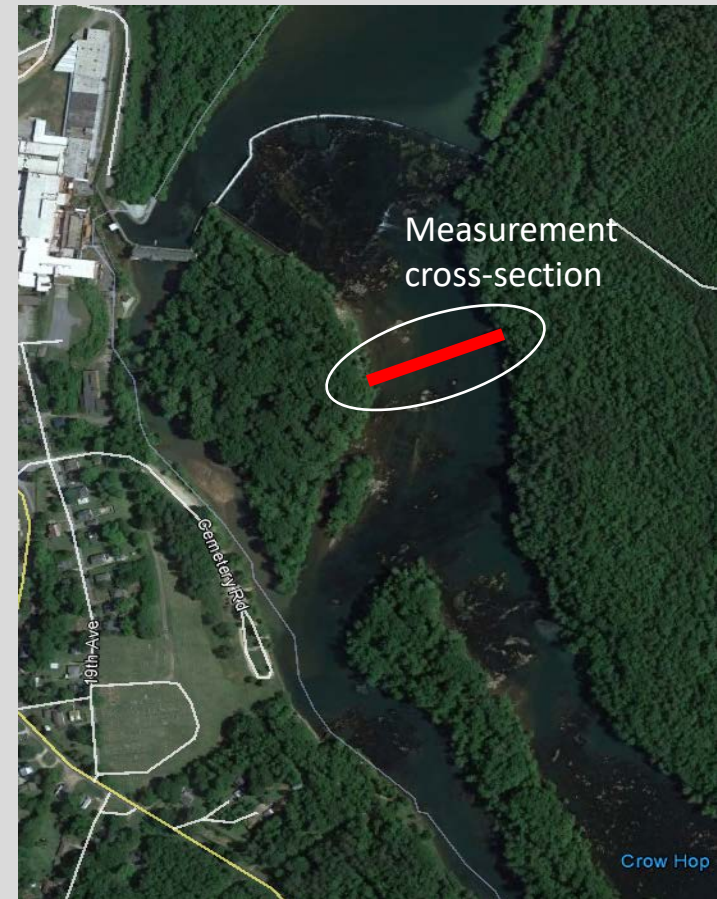


Channel Characteristics

- 800 feet wide
- 0.15 ft/s mean velocity
- 6,300 ft² area
- **Total Q = 859 ft³/s**
- Sandy, rocky bottom

Discharge measurement below Langdale Dam

- Location of cross-section identified as **Lang-B** on map provided.
- Discharge measurement made below the influence of the dam on the cross section. This location is between two large shoals.
- Velocity in this section was low and not uniform throughout the majority of the cross section.
- W/S = 534.6 feet. GPS accuracy of +/- 0.30 feet.

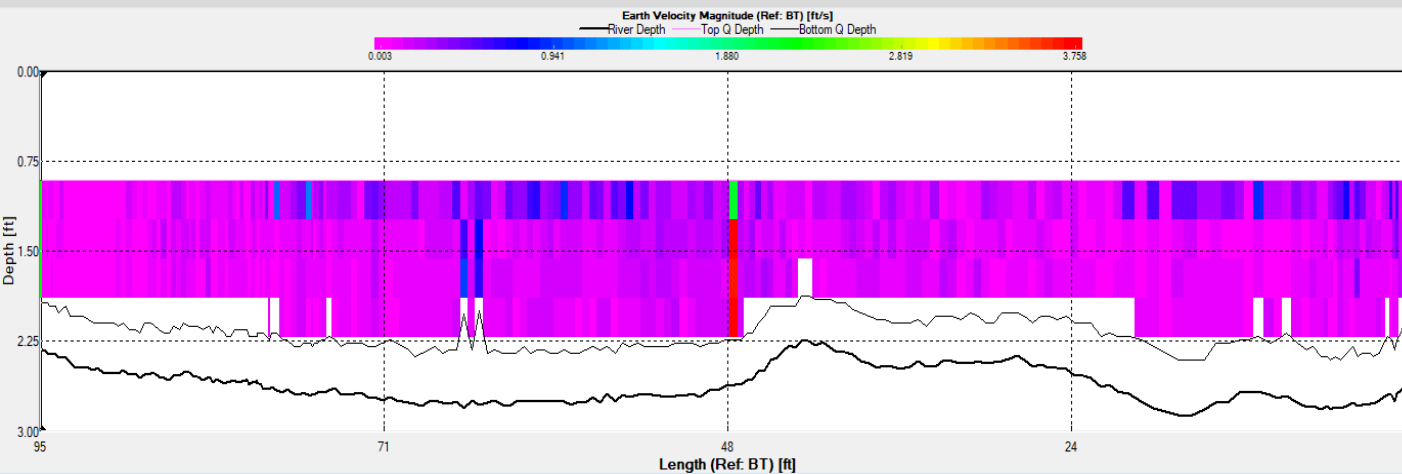


Channel Characteristics

- 610 feet wide
- 0.31 ft/s mean velocity
- 2,720 ft² area
- **Total Q = 840 ft³/s**
- Sandy and rock boulder bottom

Discharge measurement below Langdale Dam

- Location of cross-section identified as **Lang-C** on map provided.
- Discharge measurement made below the influence of the dam on the cross section. This location is downstream of suggested location but provided best channel conditions for measurement.
- Velocity in this section was extremely low fairly uniform throughout the cross section.
- $W/S = 534.6$ feet. GPS accuracy of ± 0.30 feet.

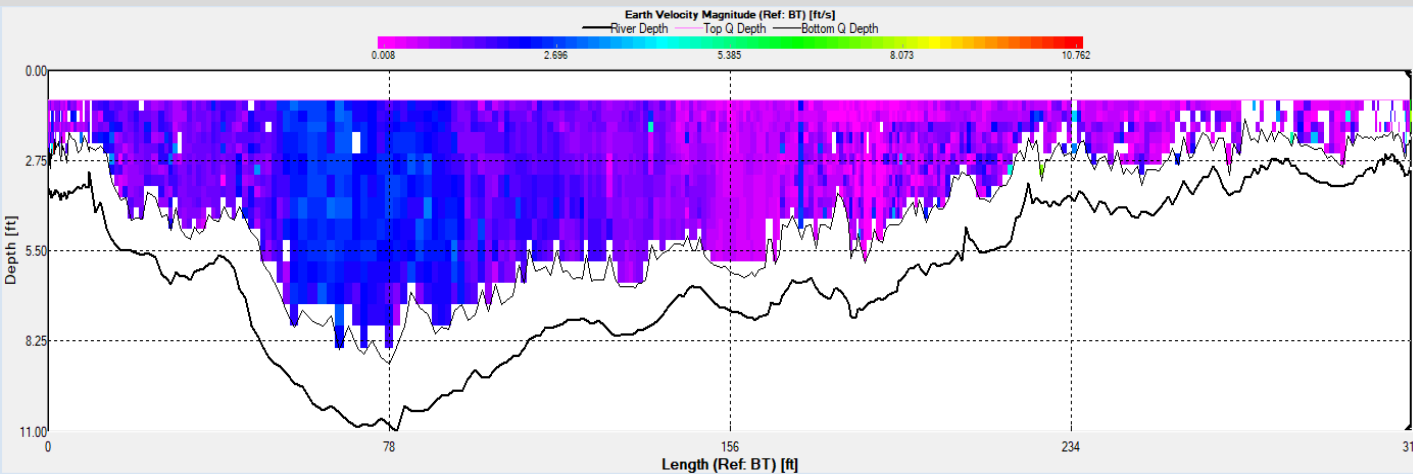
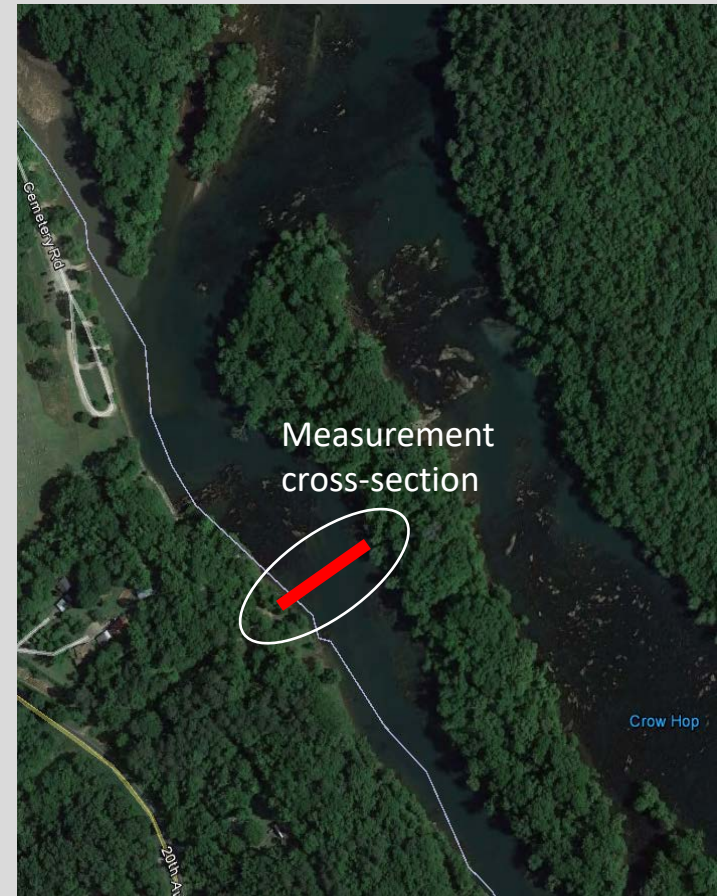


Channel Characteristics

- 126 feet wide
- 0.10 ft/s mean velocity
- 255 ft² area
- **Total Q = 16 ft³/s**
- Measurement quality is POOR.

Discharge measurement above Crow Hop Dam

- Location of cross-section identified as **Crow-A** on map provided.
- Discharge measurement location is at suggested location.
- Velocity in this section was fairly uniform throughout the cross section.
- Channel bottom is composed of sand and large boulders.
- W/S = 534.3 feet. GPS accuracy of +/- 0.30 feet.

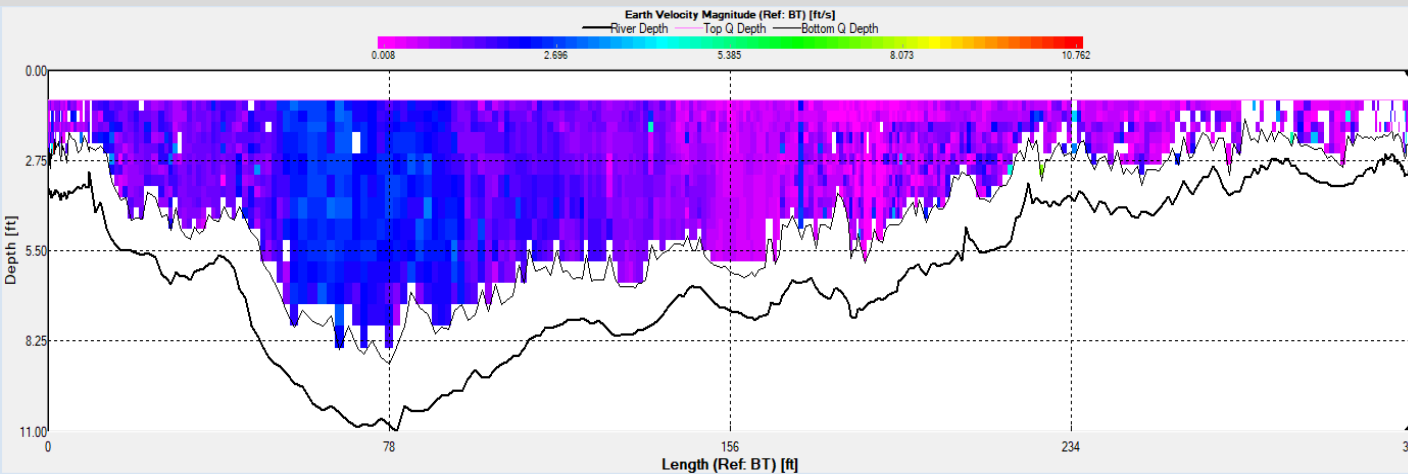
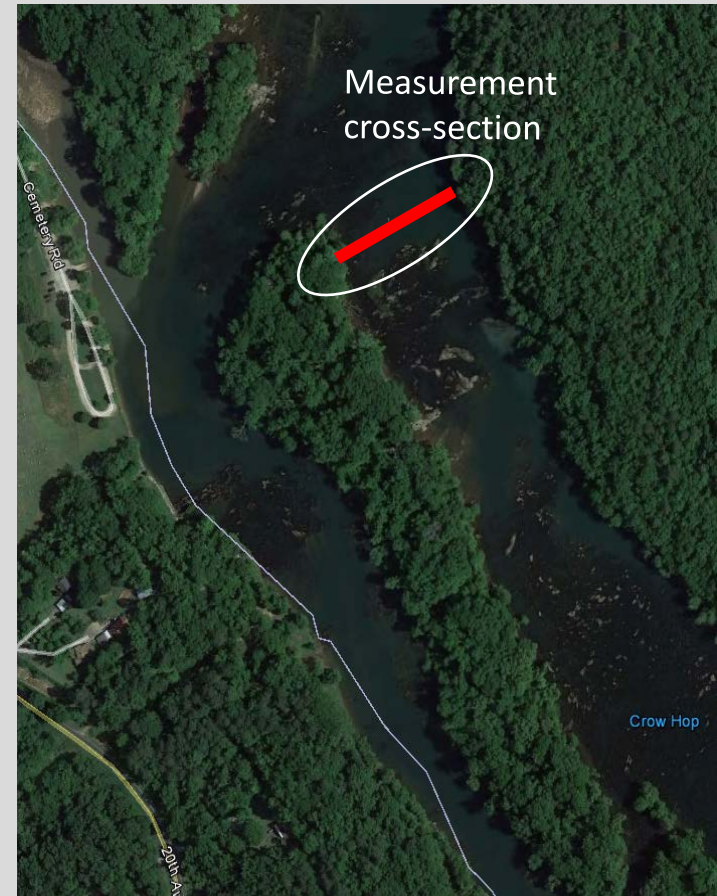


Channel Characteristics

- 322 feet wide
- 0.71 ft/s mean velocity
- 1,730 ft² area
- **Total Q = 838 ft³/s**
- Measurement quality is POOR.

Discharge measurement above Crow Hop Dam

- Location of cross-section identified as **Crow-B** on map provided.
- Discharge measurement location is upstream of suggested location but provided best channel conditions for measurement.
- Velocity in this section was fairly uniform throughout the cross section.
- Channel bottom is composed of sand and large boulders.

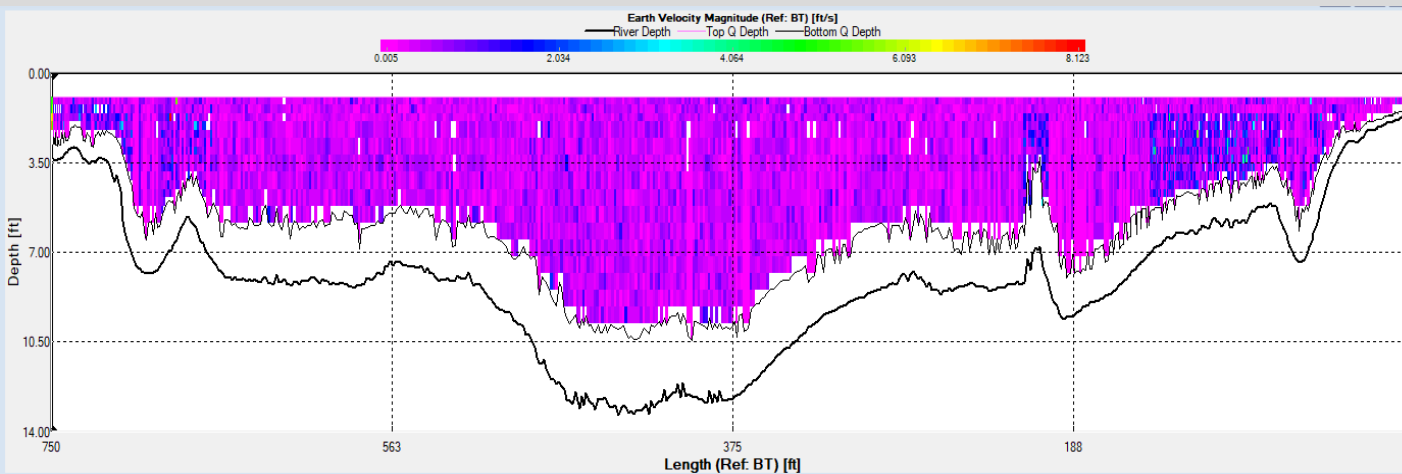
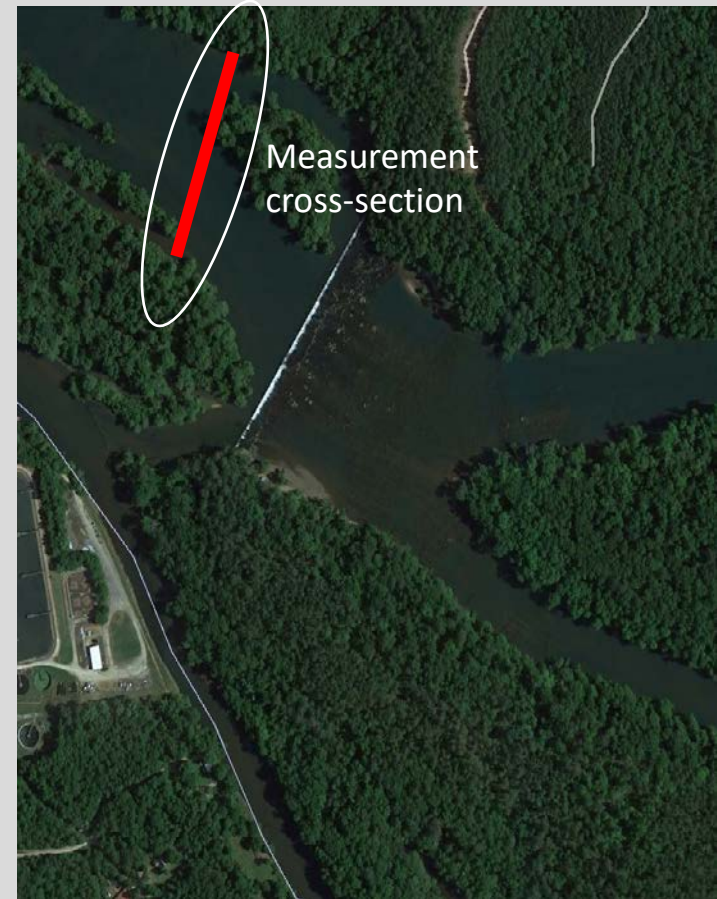


Channel Characteristics

- 353 feet wide
- 0.03 ft/s mean velocity
- 1,730 ft² area
- **Total Q = 39 ft³/s**
- Measurement quality is POOR.

Discharge measurement above Crow Hop Dam

- Location of cross-section identified as **Crow-C** on map provided.
- Discharge measurement location is near suggested location.
- Velocity in this section was extremely sluggish but uniform throughout the cross section.
- Channel bottom is composed of sand.

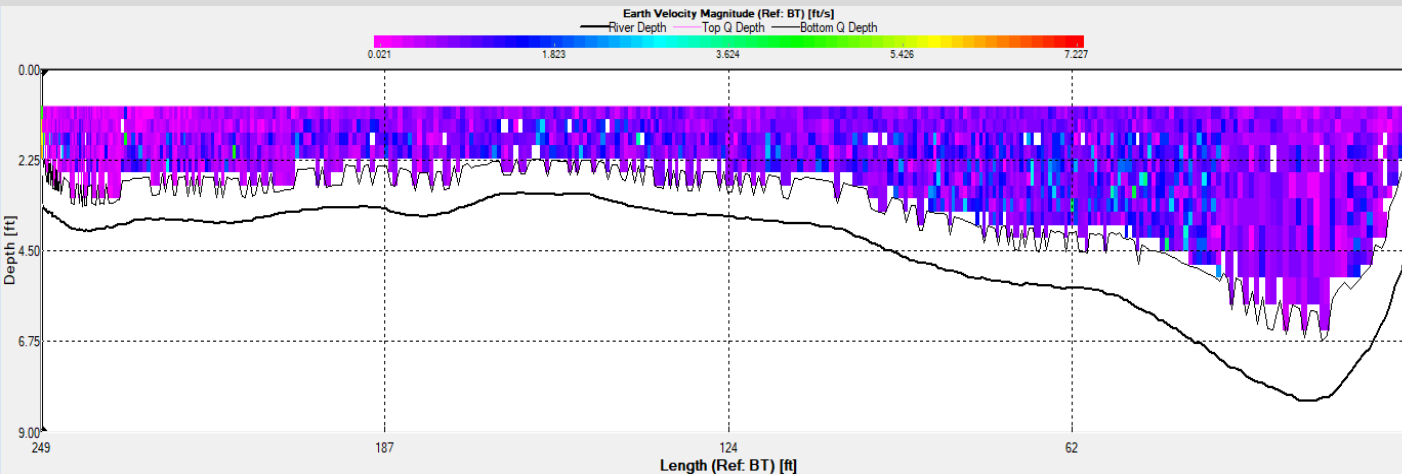
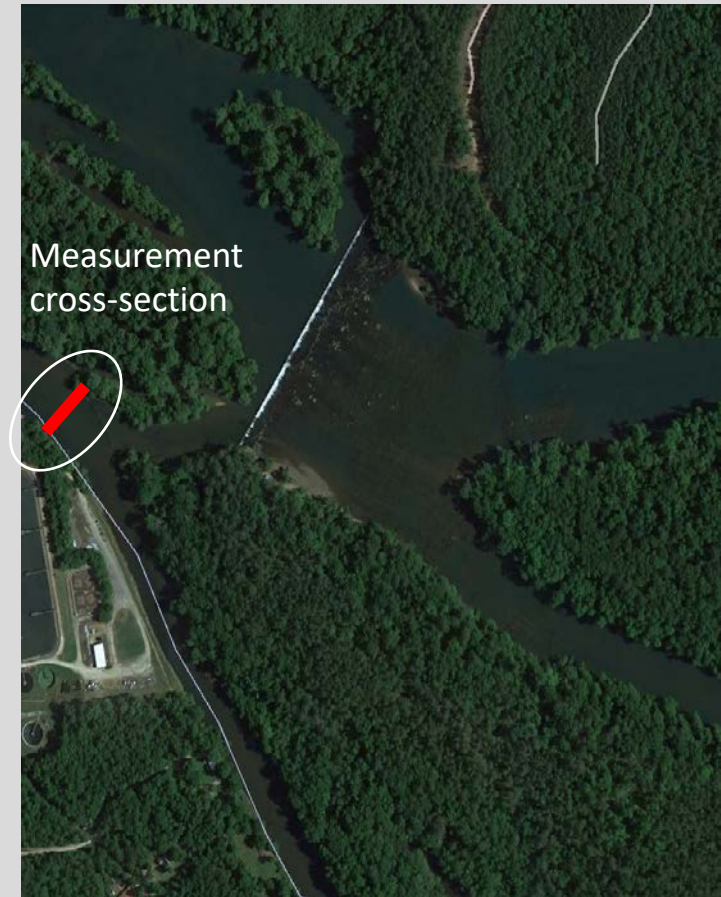


Channel Characteristics

- 808 feet wide
- 0.08 ft/s mean vel.
- 5,880 ft² area
- **Total Q = 233 ft³/s**
- Measurement quality is extremely POOR.

Discharge measurement above Crow Hop Dam

- Location of cross-section identified as **River-A** on map provided.
- Discharge measurement location is near suggested location.
- Velocity in this section was good and fairly uniform throughout the cross section.
- Channel bottom is composed of sand and boulders. There was also some small amounts of scattered debris within the section.

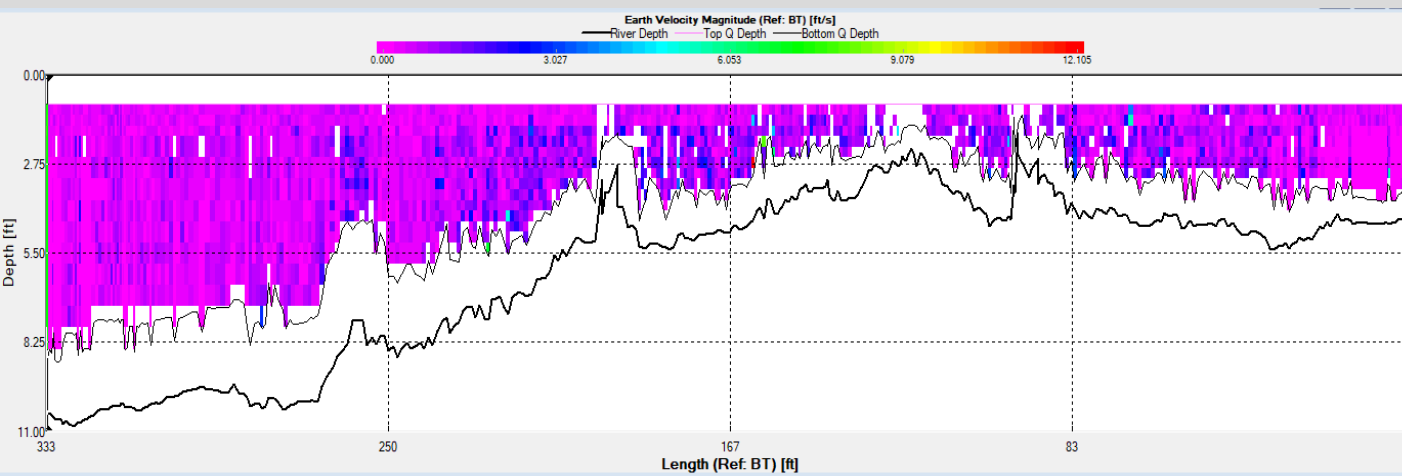
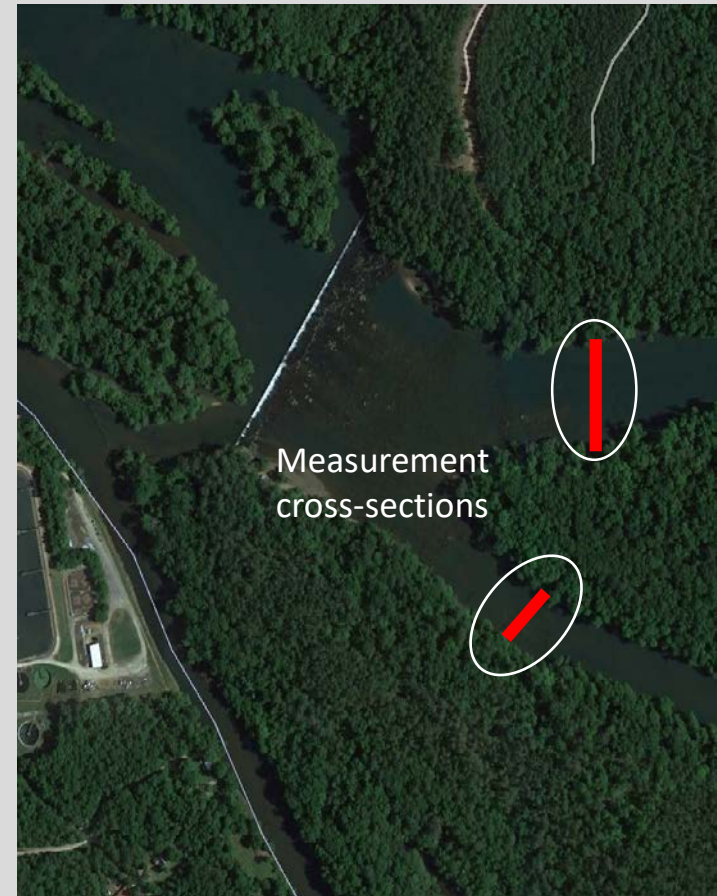


Channel Characteristics

- 260 feet wide
- 0.56 ft/s mean vel.
- 1,090 ft² area
- **Total Q = 612 ft³/s**
- Measurement quality is FAIR.

Discharge measurement below Crow Hop Dam

- Location of cross-section identified as **Crow-D** on map provided.
- Discharge measurement location is downstream of suggested section. River divides into two channels upstream. Cross-section included both channels. Channel characteristics listed are sum of two channels.
- Numerous sections were attempted as it was difficult to obtain a measurement in the right branch of the divided channel. The total flow for this branch measured $71 \text{ ft}^3/\text{s}$. Based on the observations of the Technicians this is likely too much flow.

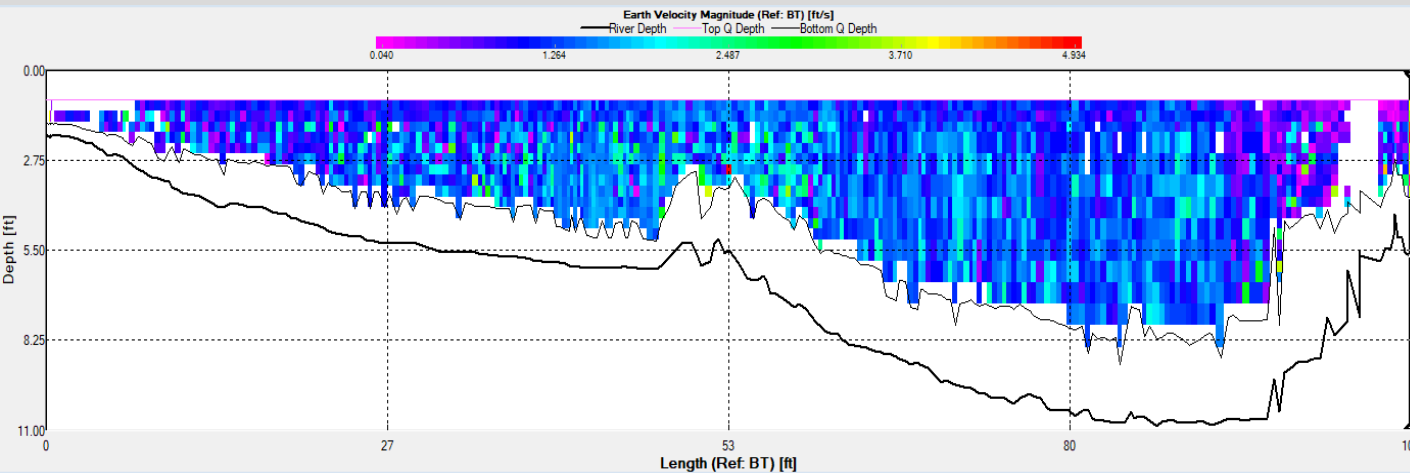
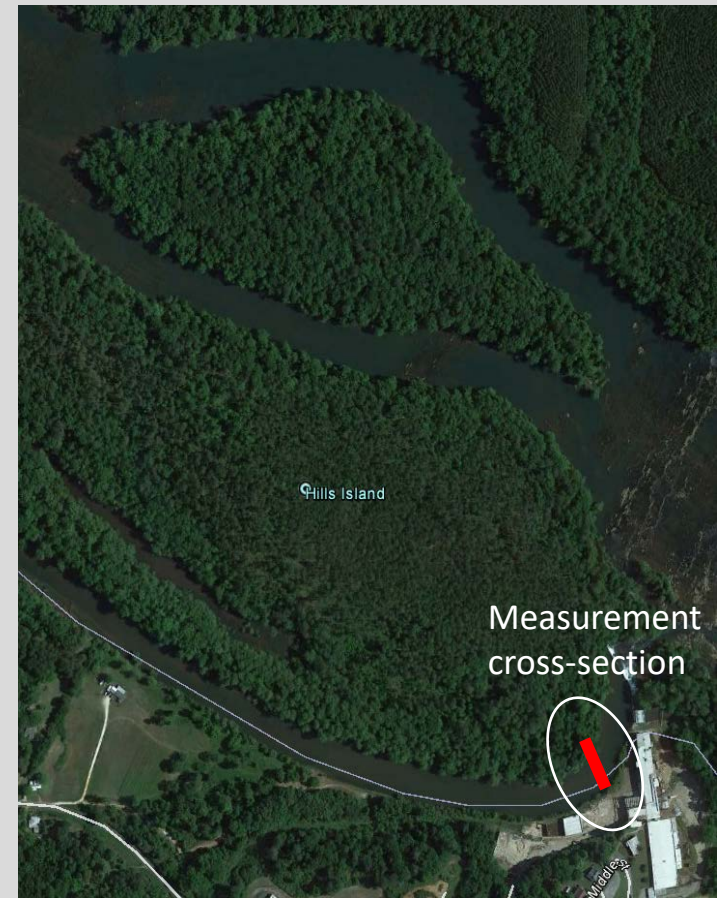


Channel Characteristics

- 635 feet wide
- 0.08 ft/s mean vel.
- $2,680 \text{ ft}^2$ area
- **Total Q = $189 \text{ ft}^3/\text{s}$**
- Measurement quality is extremely POOR.

Discharge measurement above Riverview Dam

- Location of cross-section identified as **River-B** on map provided.
- Discharge measurement location is near suggested location.
- Velocity in this section was good and fairly uniform throughout the cross section.
- Channel bottom is composed of sand. There was some small amounts of scattered debris near the right bank.
- W/S = 533.6 feet. GPS accuracy of +/- 0.30 feet.

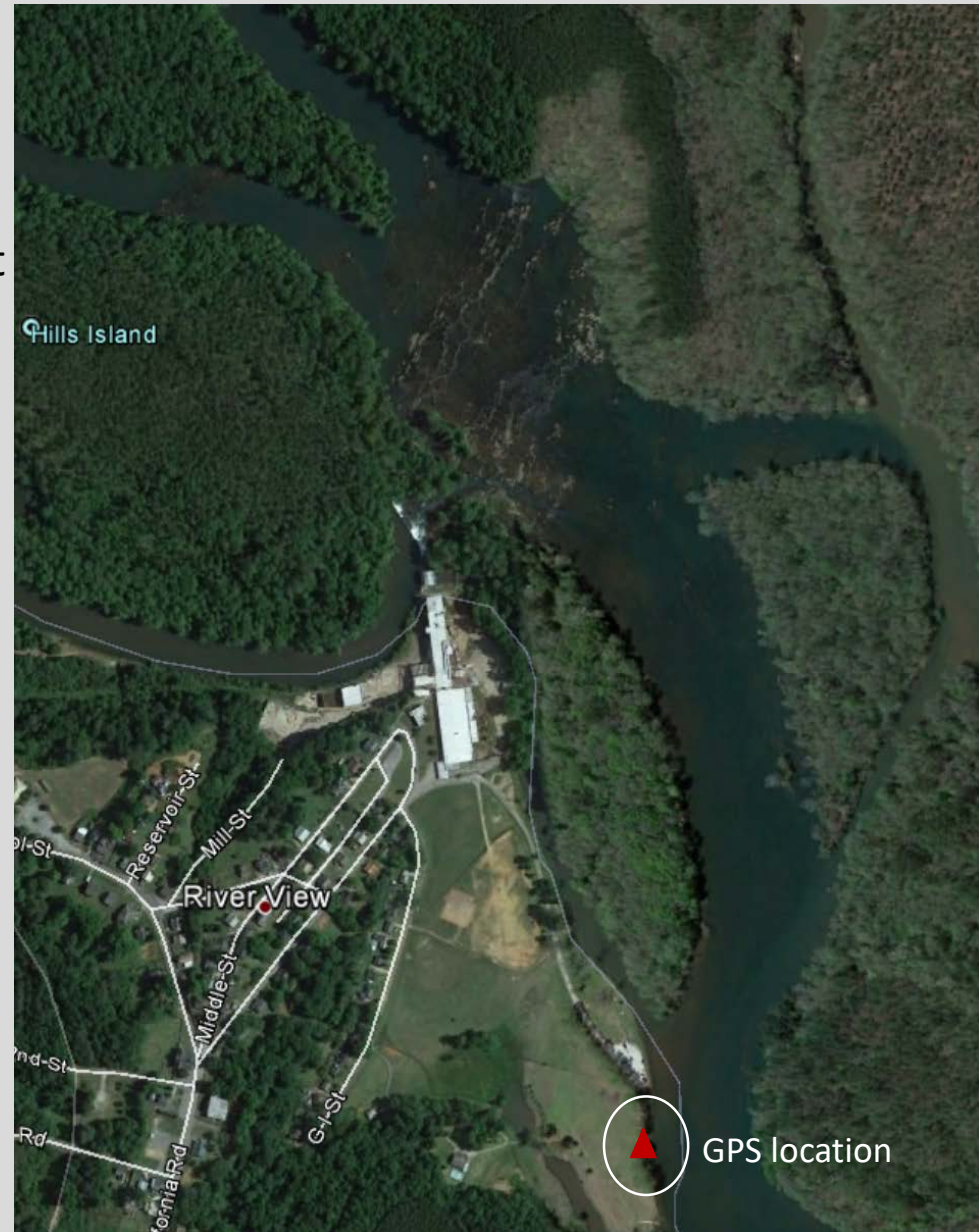


Channel Characteristics

- 160 feet wide
- 1.13 ft/s mean vel.
- 735 ft² area
- **Total Q = 717 ft³/s**
- Measurement quality is GOOD.

Water-level measurement below Riverview Dam

- Location of cross-section identified as **BF-WSElev** on map provided.
- No discharge measurement was obtained at this location.
- W/S = 515.2 feet. GPS accuracy of +/- 0.30 feet.

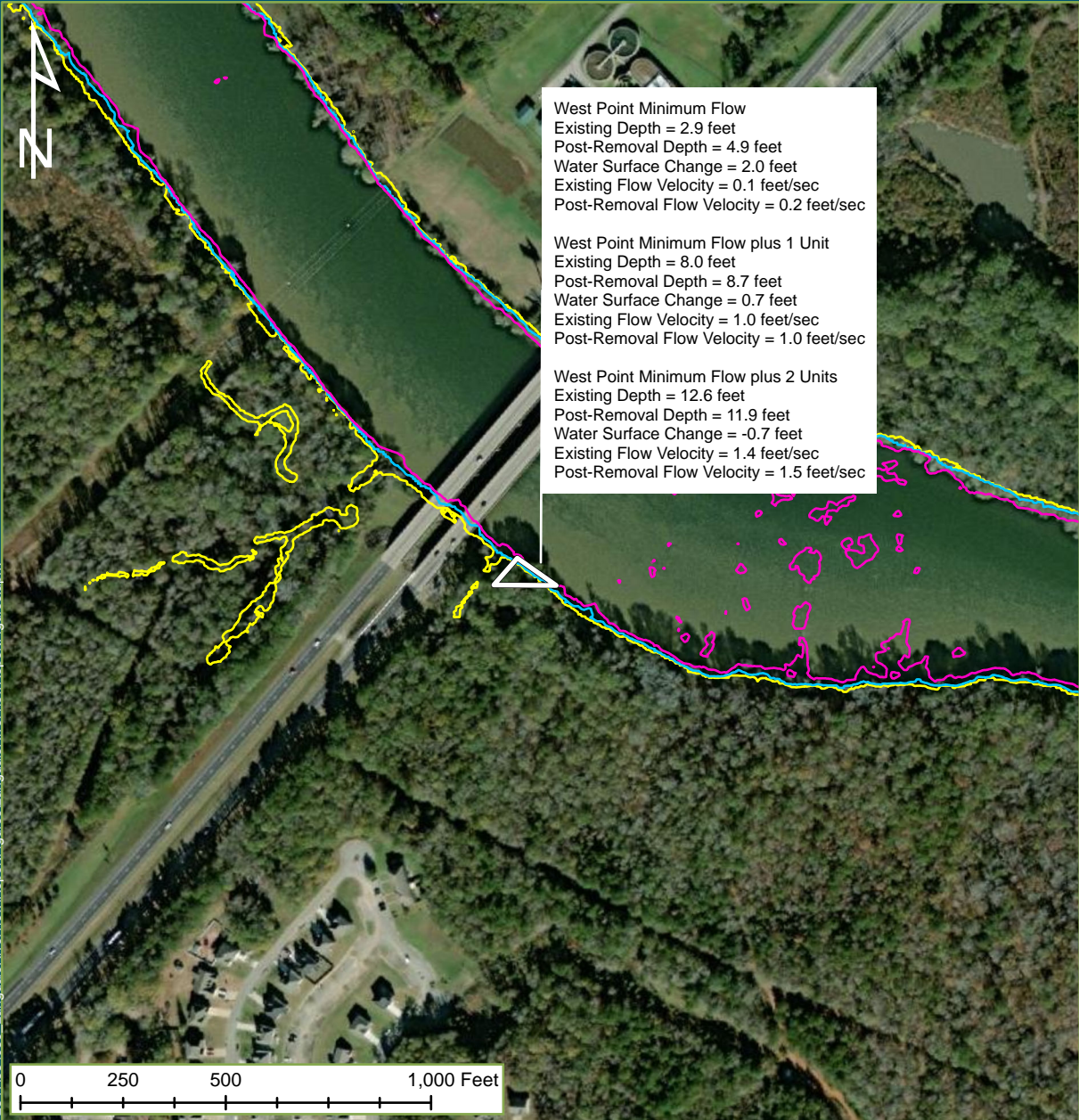


General Observations

- The USGS crew is thankful for the opportunity to explore the area requested by Georgia Power.
- Obtaining discharge measurements near the three dams is extremely challenging. The USGS crew spent considerable time scouting measurement sections. The area below Crow Hop in the natural river channel is particularly difficult and it was necessary to split the measurement into two channels, as noted.
- Due to the channel conditions several of the measurements were rated as POOR by the USGS Technicians. This designation denotes the quality of the measurement and is an indication of the channel conditions and/or available cross-sections. This is not a qualitative assessment of the work of the Technicians. However measurements rated POOR should be considered +/- 10% of the measured discharge.
- The water surface elevations were acquired using a GPS and the eGPS Real-time network (RTN). This network adjusts the GPS elevation data in real time. This network was used in the interest of celerity as releases from West Point Dam were imminent. Elevations obtained using this network should be considered USGS Level III survey and are considered within +/- 0.30 feet. Heavy tree cover affected most GPS observations and degraded the quality of the GPS data.

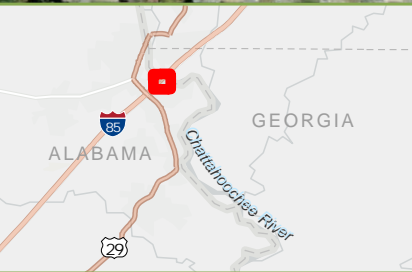
APPENDIX D

PROPERTY OWNERS PARCEL MAPS



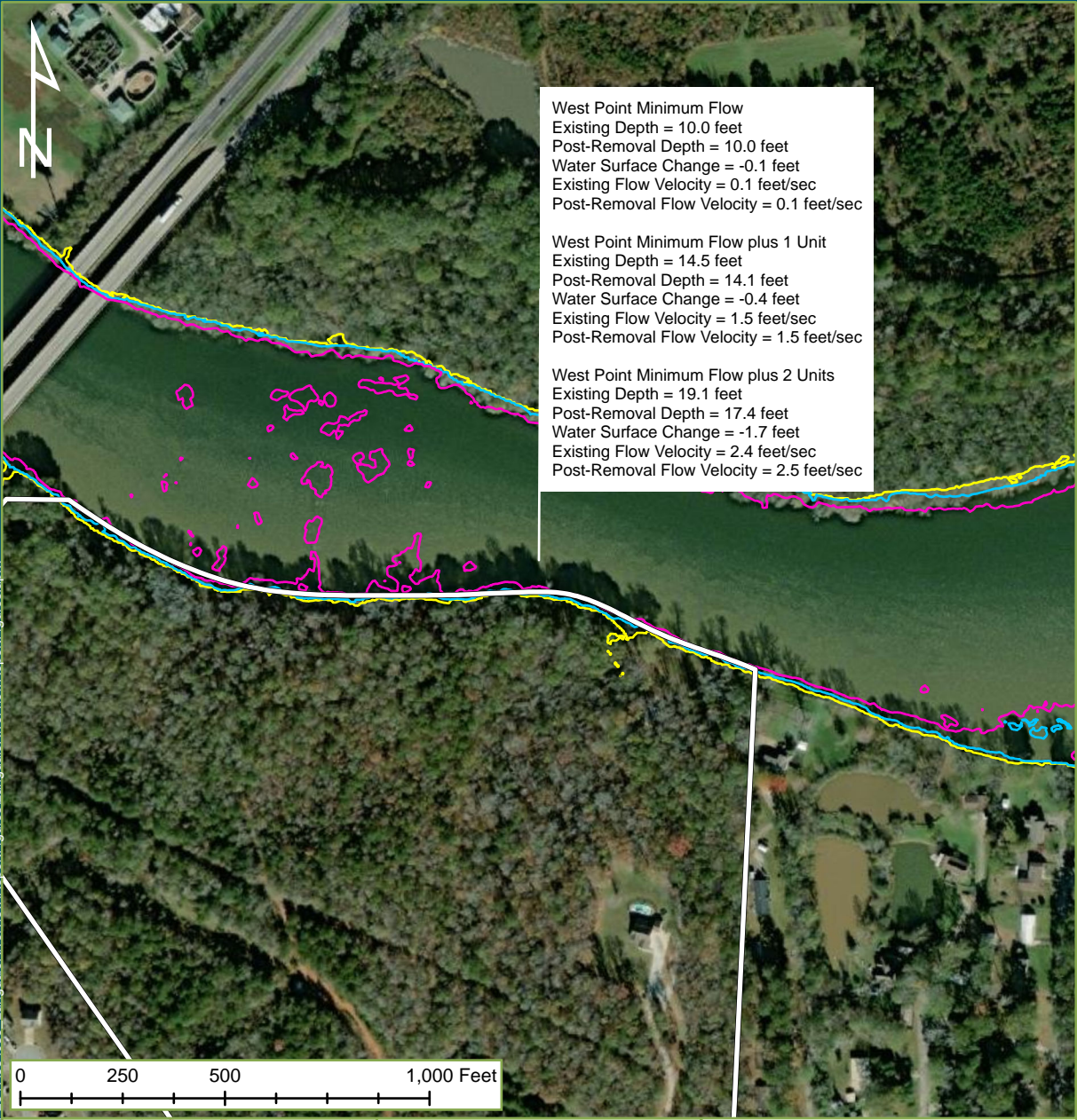
<p>West Point Minimum Flow Existing Depth = 2.9 feet Post-Removal Depth = 4.9 feet Water Surface Change = 2.0 feet Existing Flow Velocity = 0.1 feet/sec Post-Removal Flow Velocity = 0.2 feet/sec</p> <p>West Point Minimum Flow plus 1 Unit Existing Depth = 8.0 feet Post-Removal Depth = 8.7 feet Water Surface Change = 0.7 feet Existing Flow Velocity = 1.0 feet/sec Post-Removal Flow Velocity = 1.0 feet/sec</p> <p>West Point Minimum Flow plus 2 Units Existing Depth = 12.6 feet Post-Removal Depth = 11.9 feet Water Surface Change = -0.7 feet Existing Flow Velocity = 1.4 feet/sec Post-Removal Flow Velocity = 1.5 feet/sec</p>

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Legend	
	Property Boundary
	Base Flow Inundation Boundary
	Base Flow +1 Inundation Boundary
	Base Flow +2 Inundation Boundary

<h2>Georgia Power</h2> <p>Langdale, Georgia</p>			
Drawn By: ADY	Date Drawn: 05-20-2022	Checked By: KPN	Date Checked: 05-20-2022
<p>141 Main St., PO Box 650 Pittsfield, Maine 04967 Telephone: (207) 487-3328 Fax: (207) 487-3124 www.KleinschmidtGroup.com</p>			
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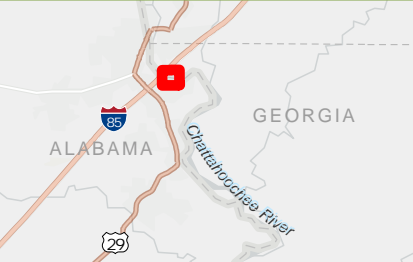


West Point Minimum Flow
 Existing Depth = 10.0 feet
 Post-Removal Depth = 10.0 feet
 Water Surface Change = -0.1 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.1 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 14.5 feet
 Post-Removal Depth = 14.1 feet
 Water Surface Change = -0.4 feet
 Existing Flow Velocity = 1.5 feet/sec
 Post-Removal Flow Velocity = 1.5 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 19.1 feet
 Post-Removal Depth = 17.4 feet
 Water Surface Change = -1.7 feet
 Existing Flow Velocity = 2.4 feet/sec
 Post-Removal Flow Velocity = 2.5 feet/sec

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Legend

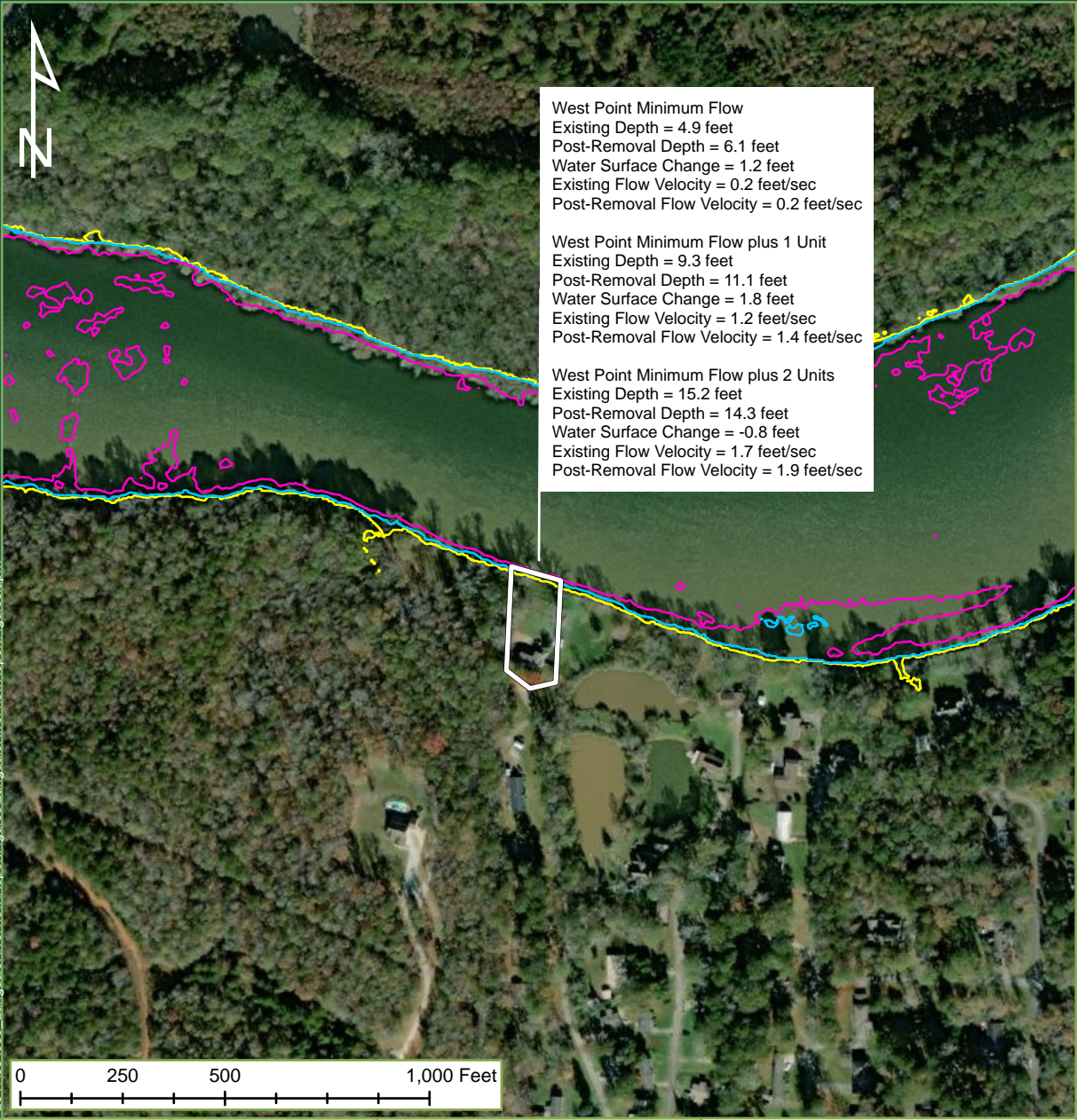
- Property Boundary
- Base Flow Inundation Boundary
- Base Flow +1 Inundation Boundary
- Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

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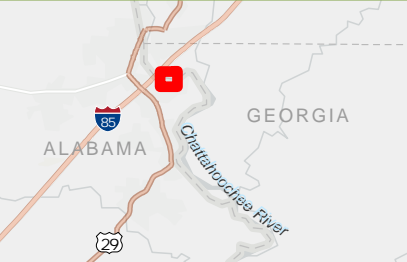


West Point Minimum Flow
 Existing Depth = 4.9 feet
 Post-Removal Depth = 6.1 feet
 Water Surface Change = 1.2 feet
 Existing Flow Velocity = 0.2 feet/sec
 Post-Removal Flow Velocity = 0.2 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 9.3 feet
 Post-Removal Depth = 11.1 feet
 Water Surface Change = 1.8 feet
 Existing Flow Velocity = 1.2 feet/sec
 Post-Removal Flow Velocity = 1.4 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 15.2 feet
 Post-Removal Depth = 14.3 feet
 Water Surface Change = -0.8 feet
 Existing Flow Velocity = 1.7 feet/sec
 Post-Removal Flow Velocity = 1.9 feet/sec

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- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

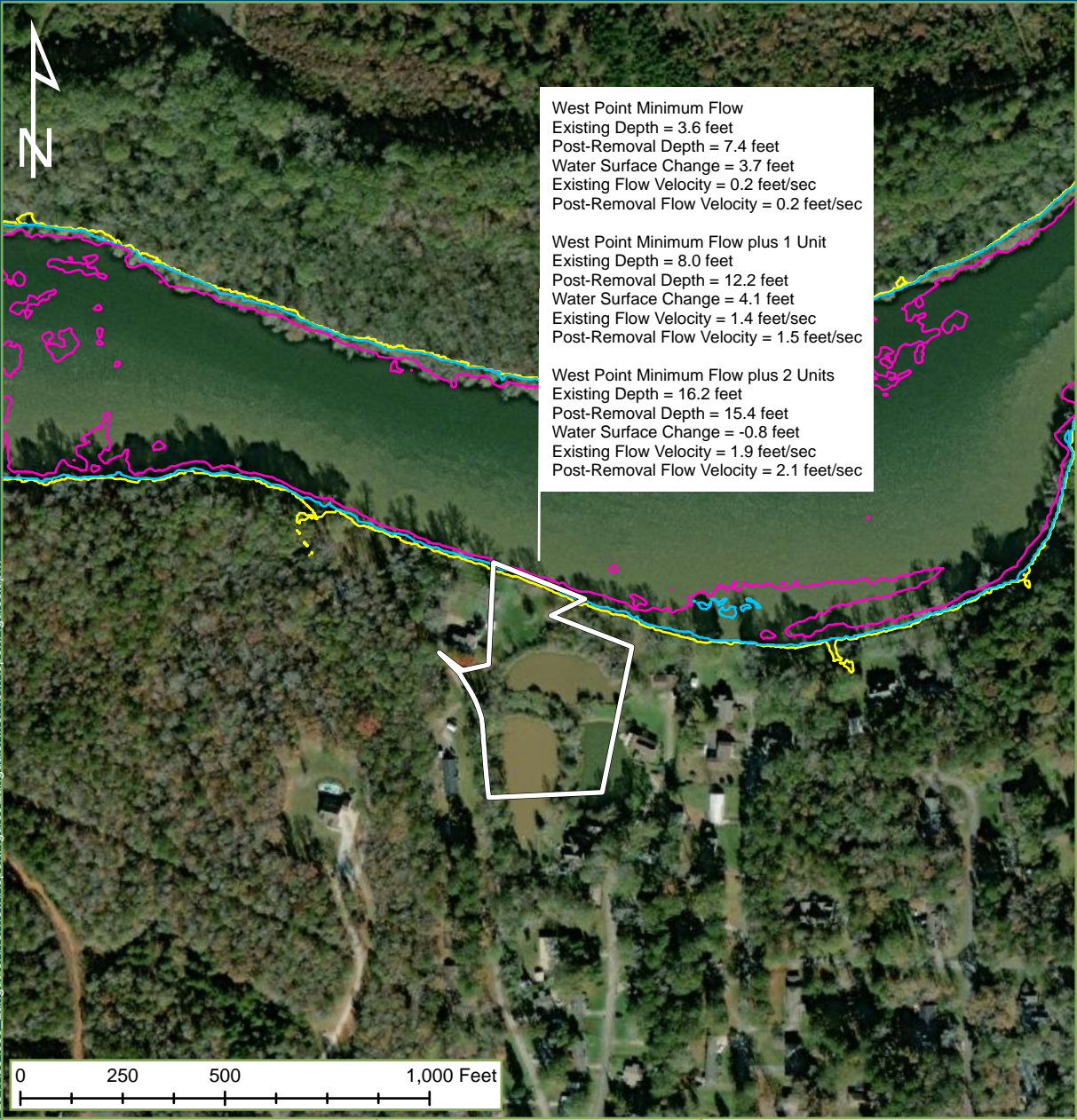
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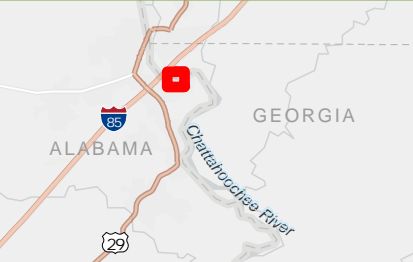


West Point Minimum Flow
 Existing Depth = 3.6 feet
 Post-Removal Depth = 7.4 feet
 Water Surface Change = 3.7 feet
 Existing Flow Velocity = 0.2 feet/sec
 Post-Removal Flow Velocity = 0.2 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 8.0 feet
 Post-Removal Depth = 12.2 feet
 Water Surface Change = 4.1 feet
 Existing Flow Velocity = 1.4 feet/sec
 Post-Removal Flow Velocity = 1.5 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 16.2 feet
 Post-Removal Depth = 15.4 feet
 Water Surface Change = -0.8 feet
 Existing Flow Velocity = 1.9 feet/sec
 Post-Removal Flow Velocity = 2.1 feet/sec

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Legend

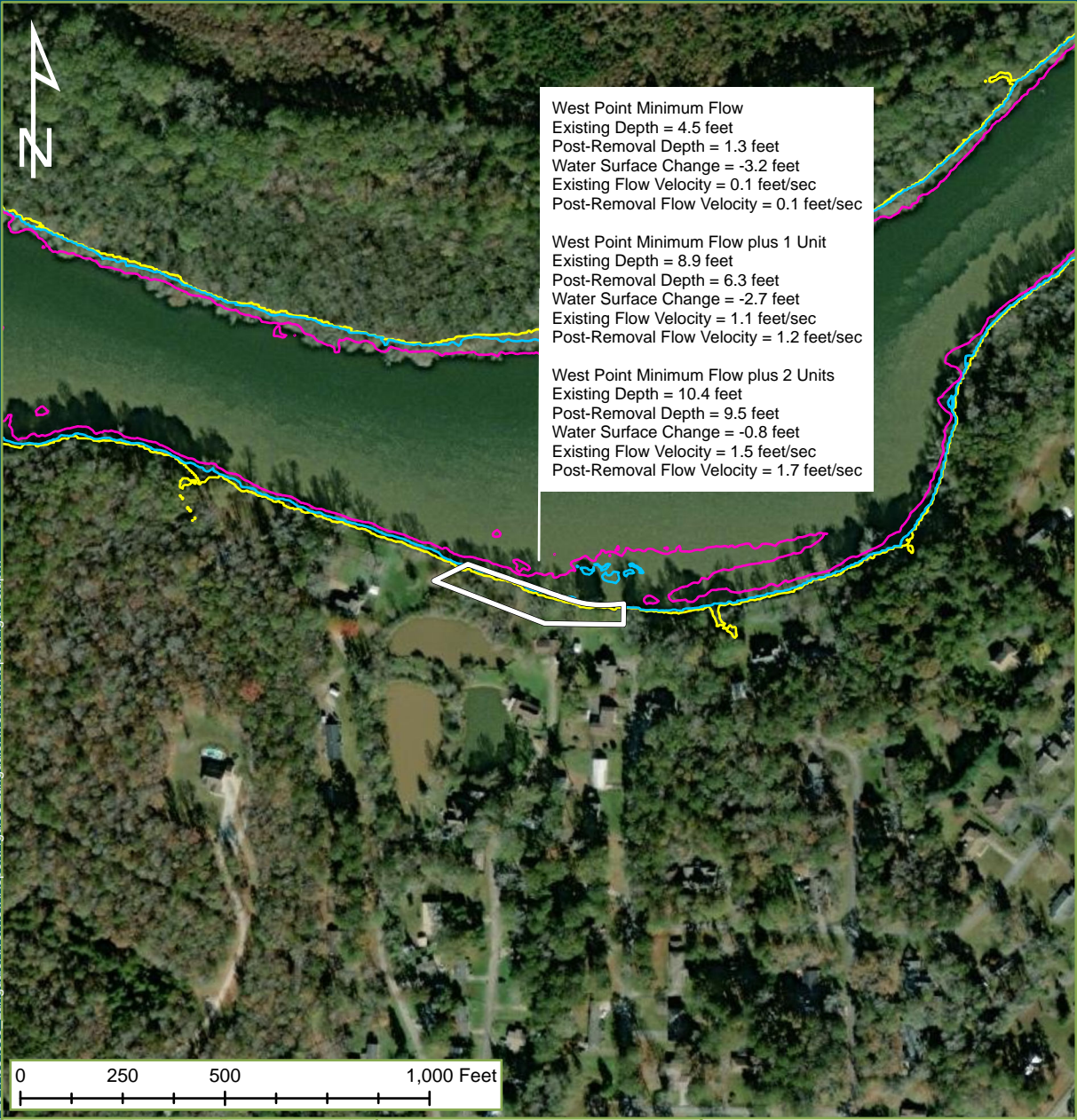
- Property Boundary
- Base Flow Inundation Boundary
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- Base Flow +2 Inundation Boundary

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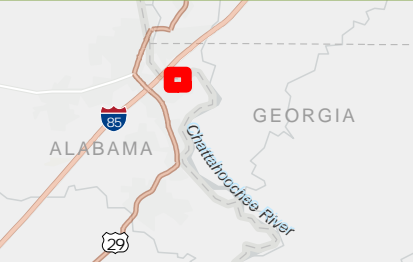


West Point Minimum Flow
 Existing Depth = 4.5 feet
 Post-Removal Depth = 1.3 feet
 Water Surface Change = -3.2 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.1 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 8.9 feet
 Post-Removal Depth = 6.3 feet
 Water Surface Change = -2.7 feet
 Existing Flow Velocity = 1.1 feet/sec
 Post-Removal Flow Velocity = 1.2 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 10.4 feet
 Post-Removal Depth = 9.5 feet
 Water Surface Change = -0.8 feet
 Existing Flow Velocity = 1.5 feet/sec
 Post-Removal Flow Velocity = 1.7 feet/sec

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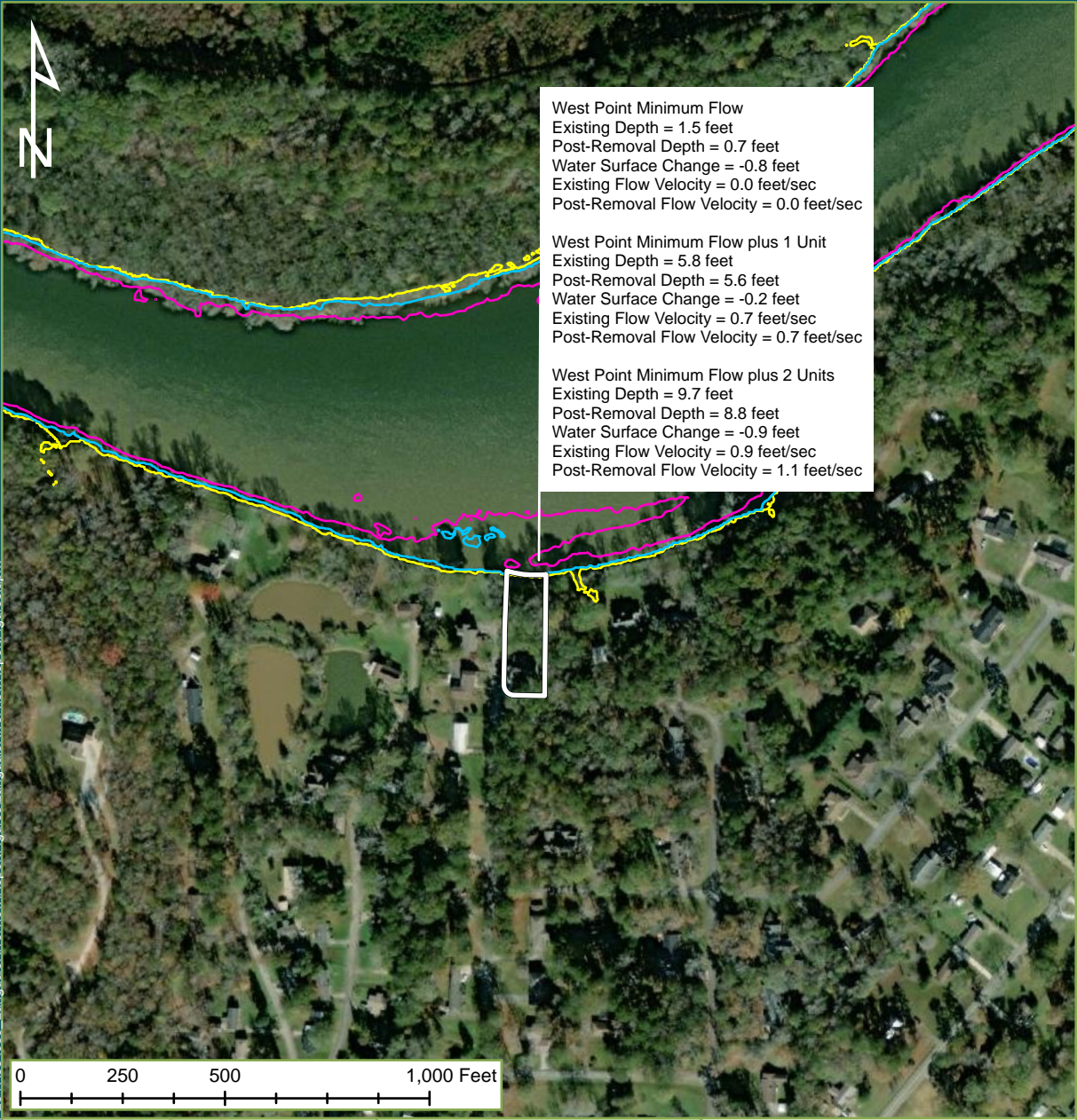
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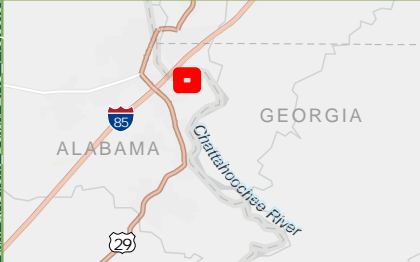
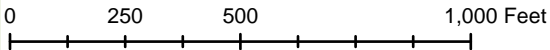
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West Point Minimum Flow
 Existing Depth = 1.5 feet
 Post-Removal Depth = 0.7 feet
 Water Surface Change = -0.8 feet
 Existing Flow Velocity = 0.0 feet/sec
 Post-Removal Flow Velocity = 0.0 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 5.8 feet
 Post-Removal Depth = 5.6 feet
 Water Surface Change = -0.2 feet
 Existing Flow Velocity = 0.7 feet/sec
 Post-Removal Flow Velocity = 0.7 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 9.7 feet
 Post-Removal Depth = 8.8 feet
 Water Surface Change = -0.9 feet
 Existing Flow Velocity = 0.9 feet/sec
 Post-Removal Flow Velocity = 1.1 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

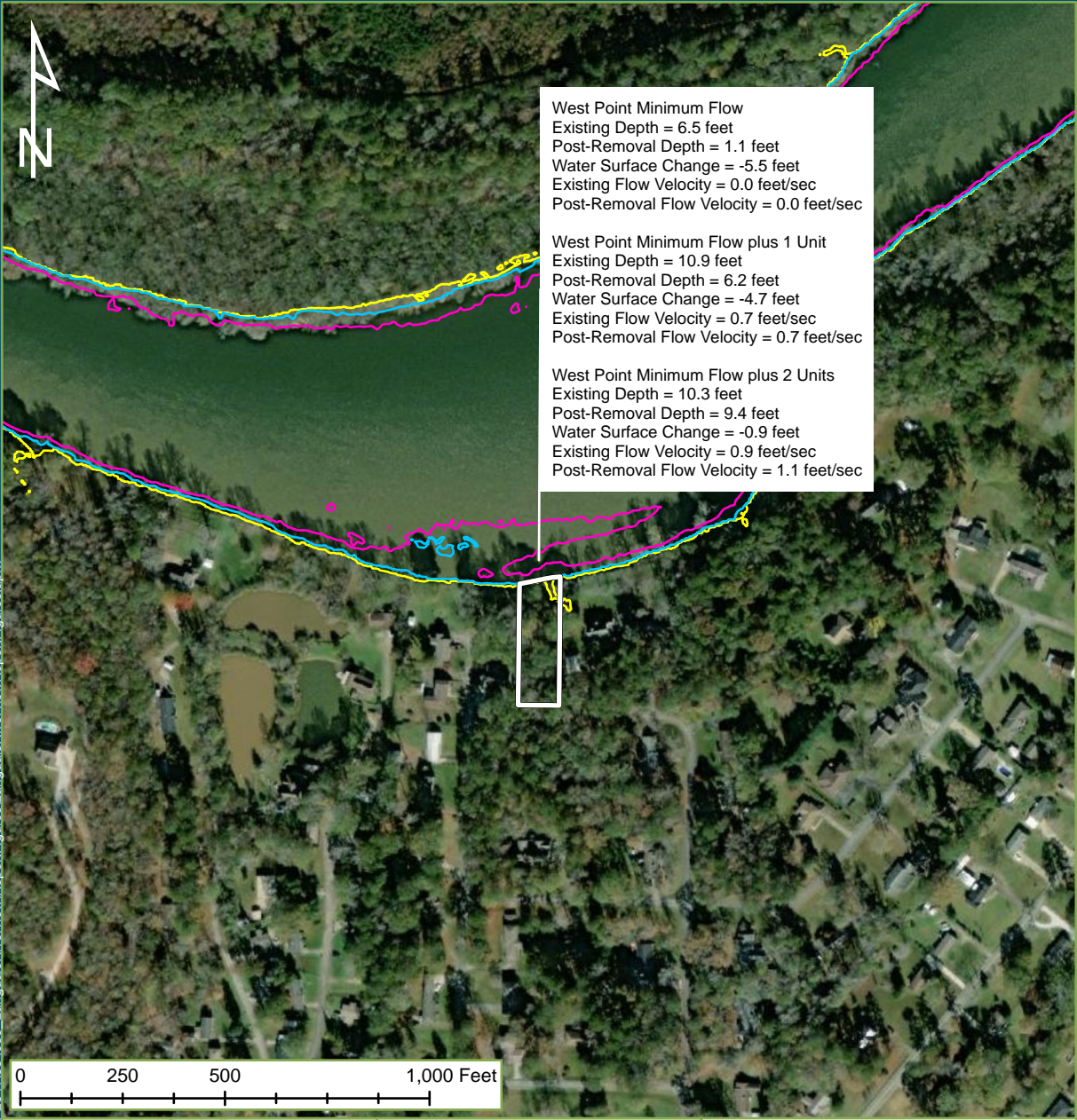
Drawn By: ADY	Date Drawn: 05-20-2022	Checked By: KPN	Date Checked: 05-20-2022
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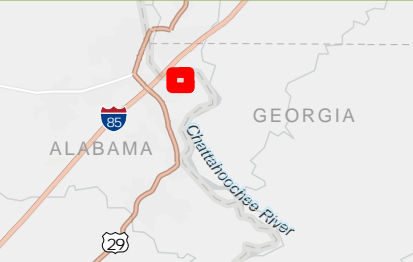


West Point Minimum Flow
 Existing Depth = 6.5 feet
 Post-Removal Depth = 1.1 feet
 Water Surface Change = -5.5 feet
 Existing Flow Velocity = 0.0 feet/sec
 Post-Removal Flow Velocity = 0.0 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 10.9 feet
 Post-Removal Depth = 6.2 feet
 Water Surface Change = -4.7 feet
 Existing Flow Velocity = 0.7 feet/sec
 Post-Removal Flow Velocity = 0.7 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 10.3 feet
 Post-Removal Depth = 9.4 feet
 Water Surface Change = -0.9 feet
 Existing Flow Velocity = 0.9 feet/sec
 Post-Removal Flow Velocity = 1.1 feet/sec

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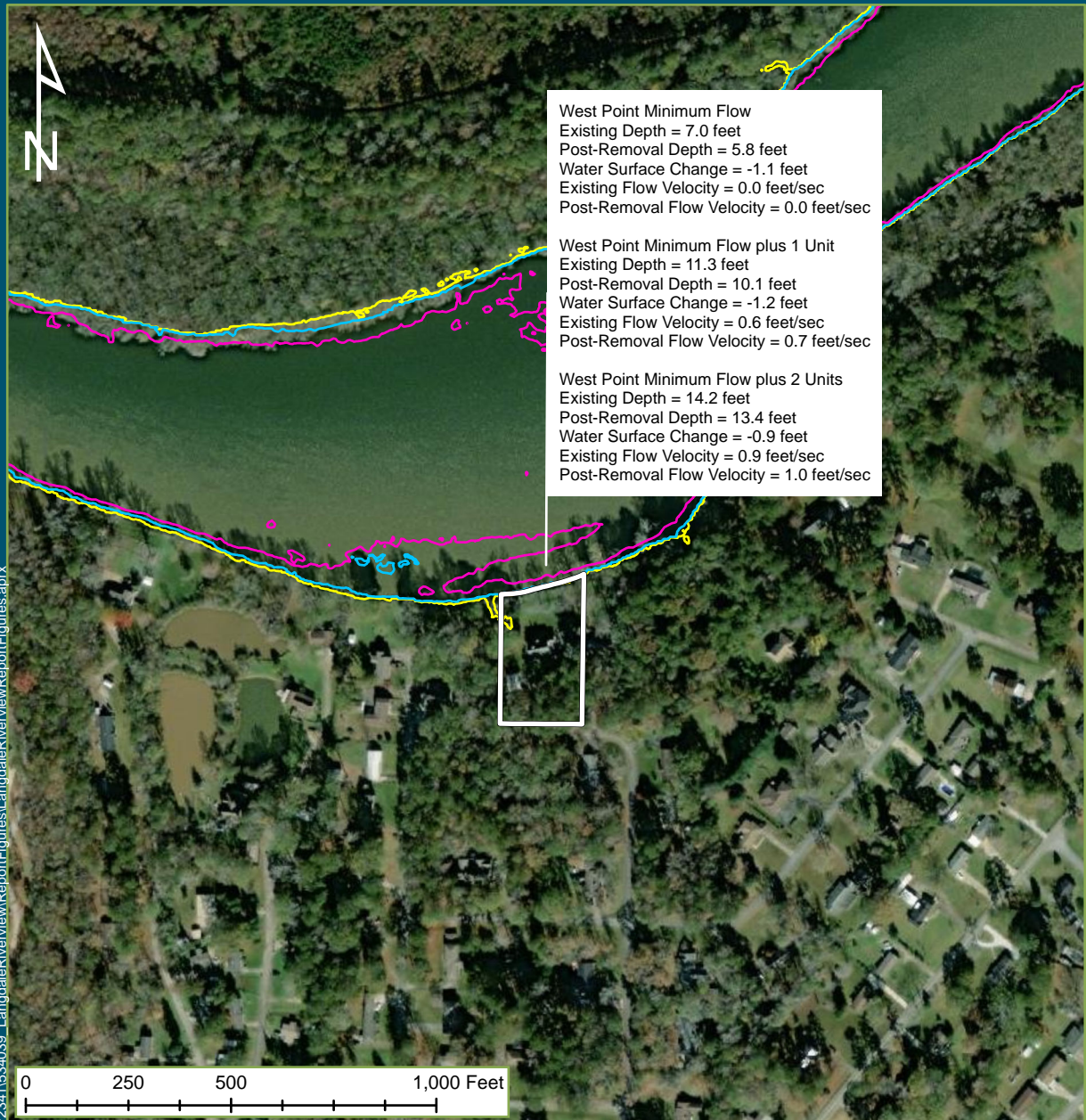
- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

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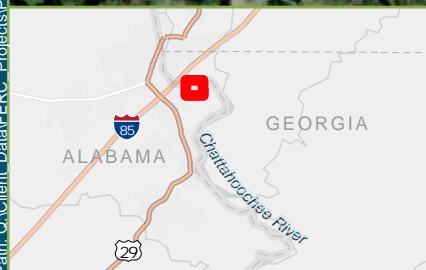
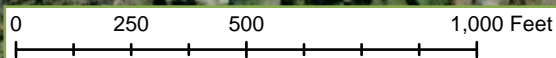
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West Point Minimum Flow
 Existing Depth = 7.0 feet
 Post-Removal Depth = 5.8 feet
 Water Surface Change = -1.1 feet
 Existing Flow Velocity = 0.0 feet/sec
 Post-Removal Flow Velocity = 0.0 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 11.3 feet
 Post-Removal Depth = 10.1 feet
 Water Surface Change = -1.2 feet
 Existing Flow Velocity = 0.6 feet/sec
 Post-Removal Flow Velocity = 0.7 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 14.2 feet
 Post-Removal Depth = 13.4 feet
 Water Surface Change = -0.9 feet
 Existing Flow Velocity = 0.9 feet/sec
 Post-Removal Flow Velocity = 1.0 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

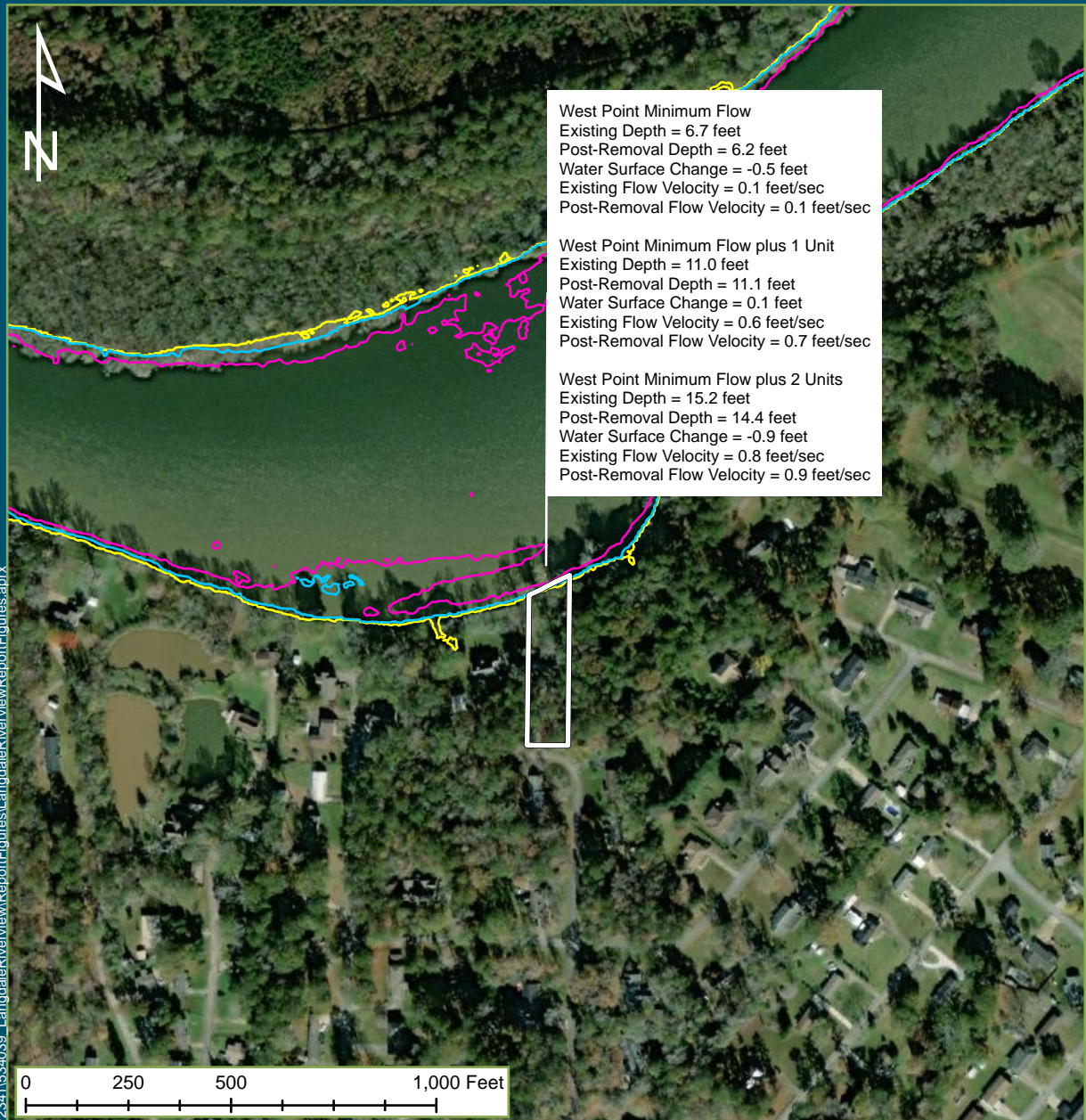
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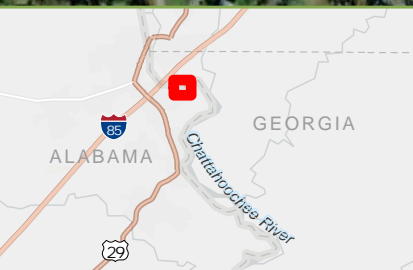
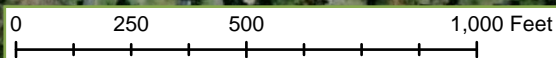
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West Point Minimum Flow
 Existing Depth = 6.7 feet
 Post-Removal Depth = 6.2 feet
 Water Surface Change = -0.5 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.1 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 11.0 feet
 Post-Removal Depth = 11.1 feet
 Water Surface Change = 0.1 feet
 Existing Flow Velocity = 0.6 feet/sec
 Post-Removal Flow Velocity = 0.7 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 15.2 feet
 Post-Removal Depth = 14.4 feet
 Water Surface Change = -0.9 feet
 Existing Flow Velocity = 0.8 feet/sec
 Post-Removal Flow Velocity = 0.9 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
Langdale, Georgia

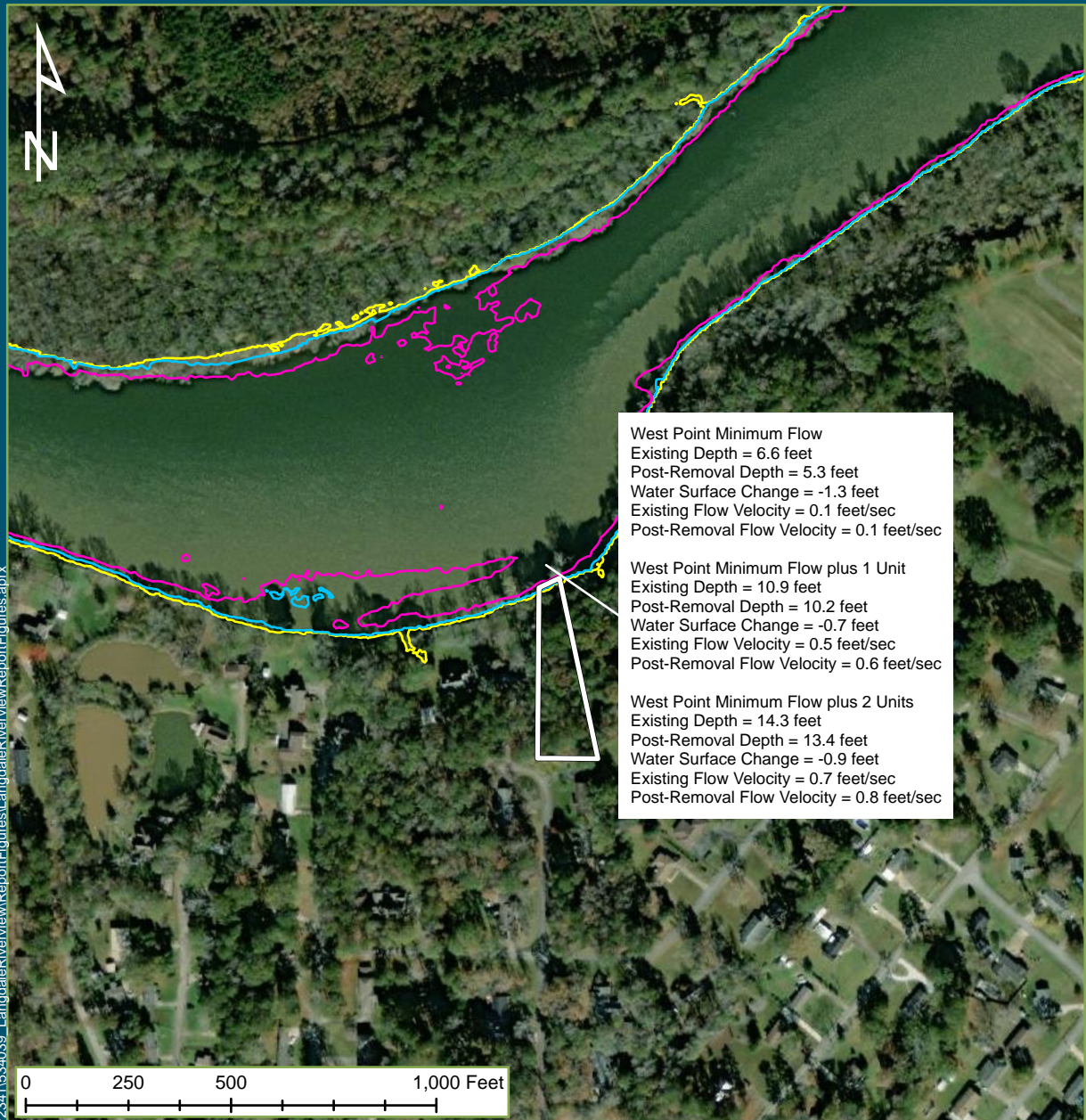
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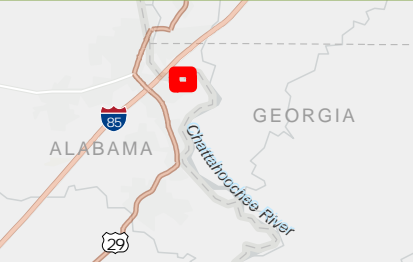
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West Point Minimum Flow
 Existing Depth = 6.6 feet
 Post-Removal Depth = 5.3 feet
 Water Surface Change = -1.3 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.1 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 10.9 feet
 Post-Removal Depth = 10.2 feet
 Water Surface Change = -0.7 feet
 Existing Flow Velocity = 0.5 feet/sec
 Post-Removal Flow Velocity = 0.6 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 14.3 feet
 Post-Removal Depth = 13.4 feet
 Water Surface Change = -0.9 feet
 Existing Flow Velocity = 0.7 feet/sec
 Post-Removal Flow Velocity = 0.8 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

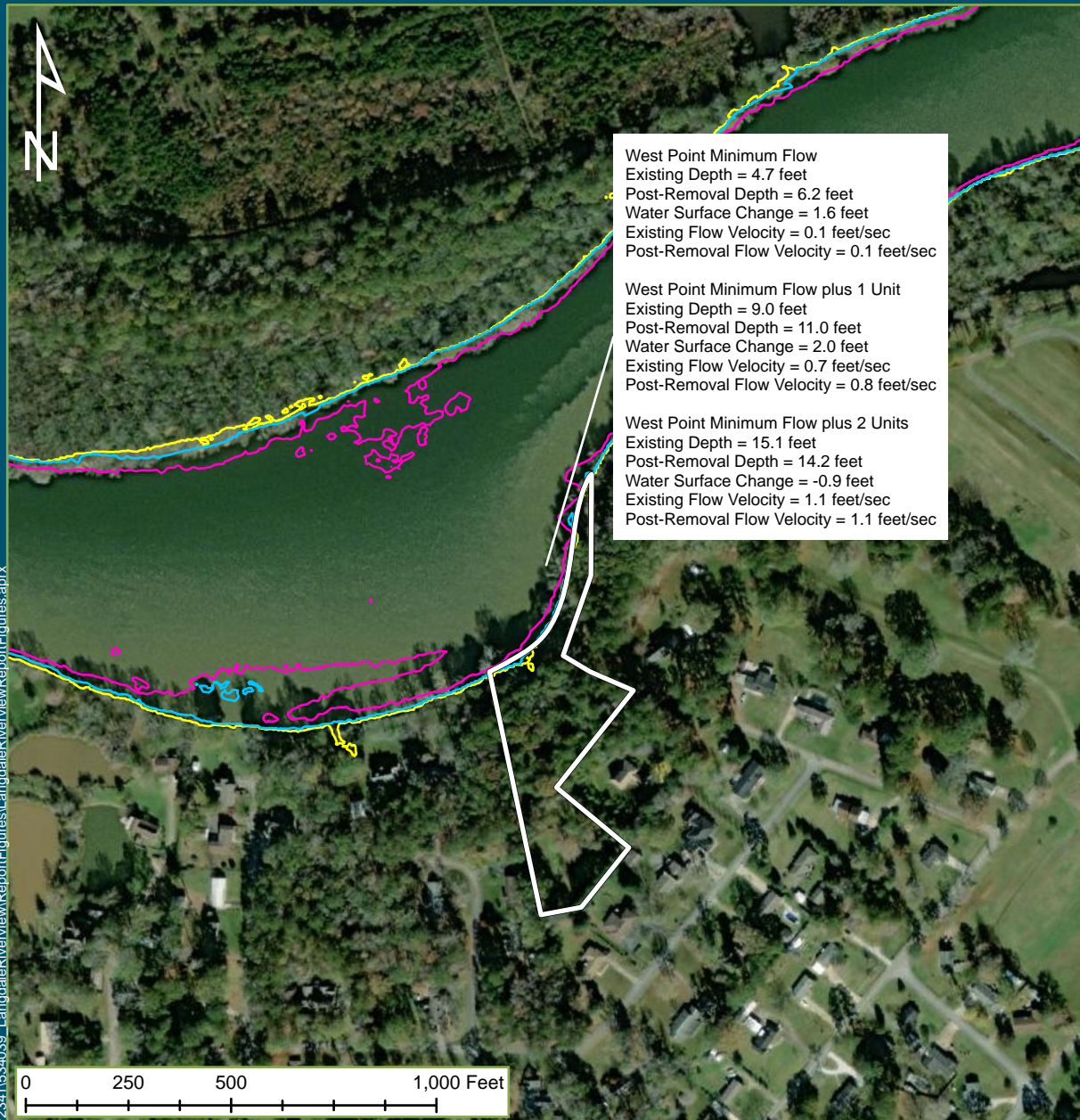
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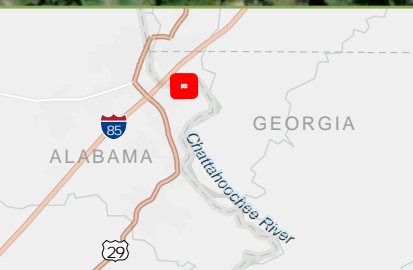
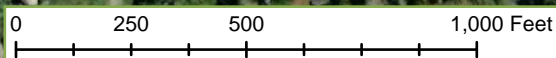
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West Point Minimum Flow
 Existing Depth = 4.7 feet
 Post-Removal Depth = 6.2 feet
 Water Surface Change = 1.6 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.1 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 9.0 feet
 Post-Removal Depth = 11.0 feet
 Water Surface Change = 2.0 feet
 Existing Flow Velocity = 0.7 feet/sec
 Post-Removal Flow Velocity = 0.8 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 15.1 feet
 Post-Removal Depth = 14.2 feet
 Water Surface Change = -0.9 feet
 Existing Flow Velocity = 1.1 feet/sec
 Post-Removal Flow Velocity = 1.1 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

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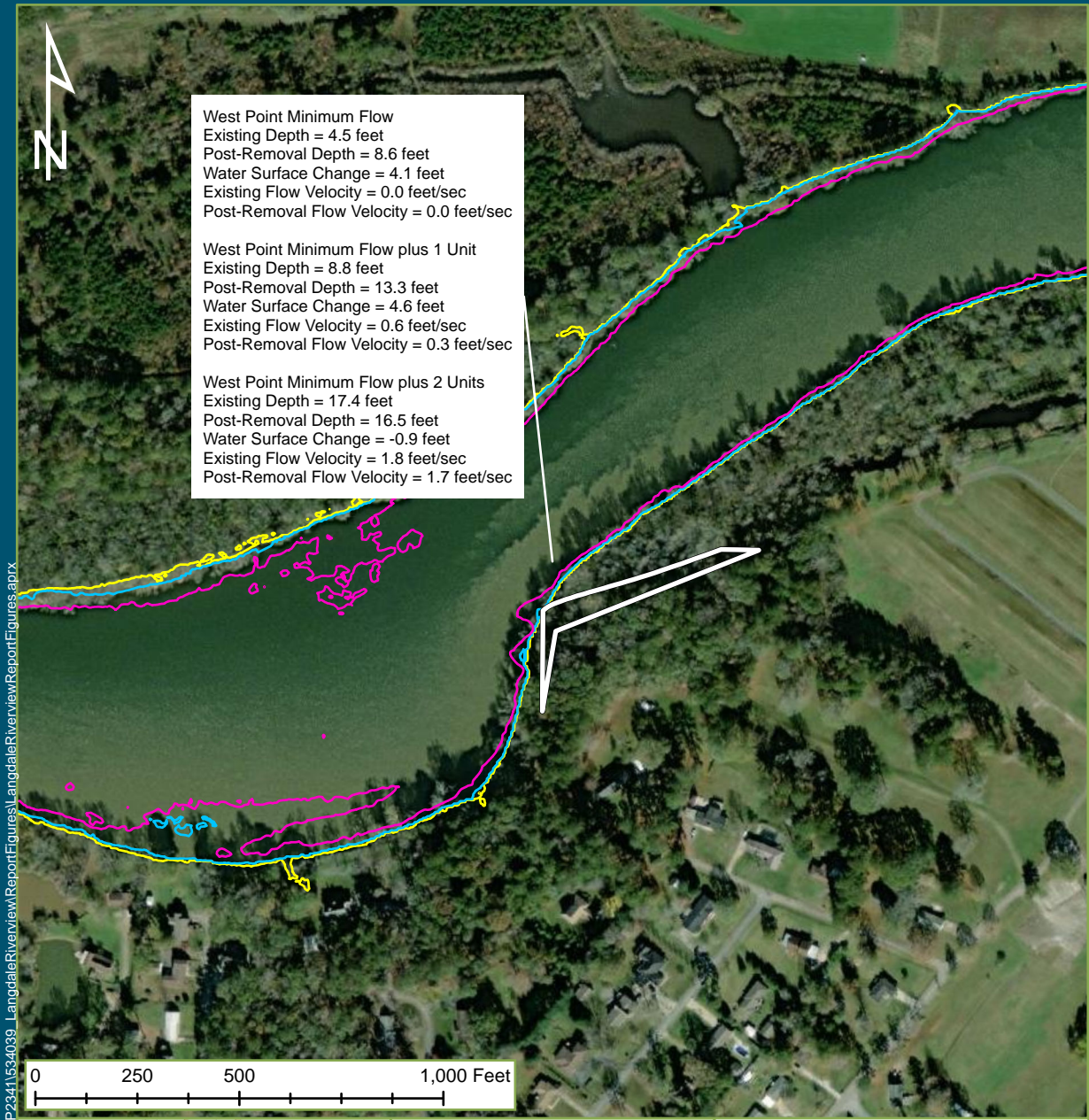
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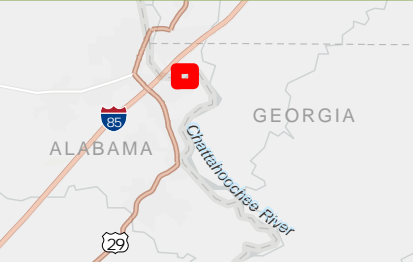
West Point Minimum Flow
 Existing Depth = 4.5 feet
 Post-Removal Depth = 8.6 feet
 Water Surface Change = 4.1 feet
 Existing Flow Velocity = 0.0 feet/sec
 Post-Removal Flow Velocity = 0.0 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 8.8 feet
 Post-Removal Depth = 13.3 feet
 Water Surface Change = 4.6 feet
 Existing Flow Velocity = 0.6 feet/sec
 Post-Removal Flow Velocity = 0.3 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 17.4 feet
 Post-Removal Depth = 16.5 feet
 Water Surface Change = -0.9 feet
 Existing Flow Velocity = 1.8 feet/sec
 Post-Removal Flow Velocity = 1.7 feet/sec



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- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

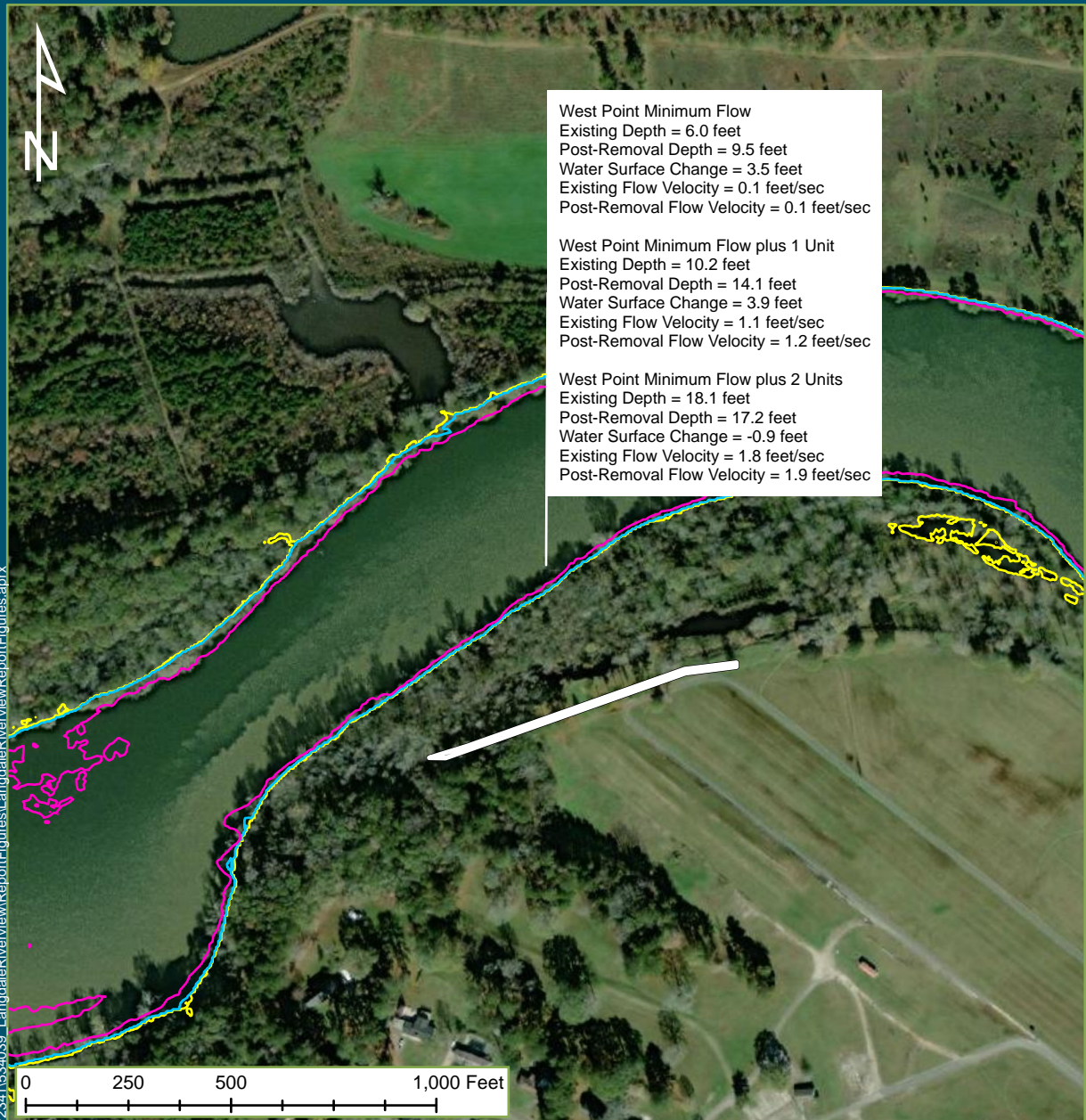
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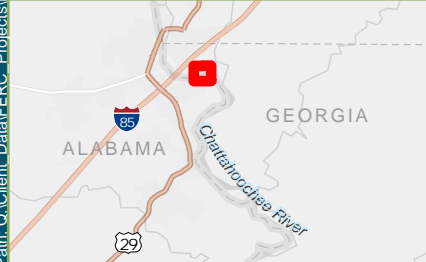


West Point Minimum Flow
 Existing Depth = 6.0 feet
 Post-Removal Depth = 9.5 feet
 Water Surface Change = 3.5 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.1 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 10.2 feet
 Post-Removal Depth = 14.1 feet
 Water Surface Change = 3.9 feet
 Existing Flow Velocity = 1.1 feet/sec
 Post-Removal Flow Velocity = 1.2 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 18.1 feet
 Post-Removal Depth = 17.2 feet
 Water Surface Change = -0.9 feet
 Existing Flow Velocity = 1.8 feet/sec
 Post-Removal Flow Velocity = 1.9 feet/sec

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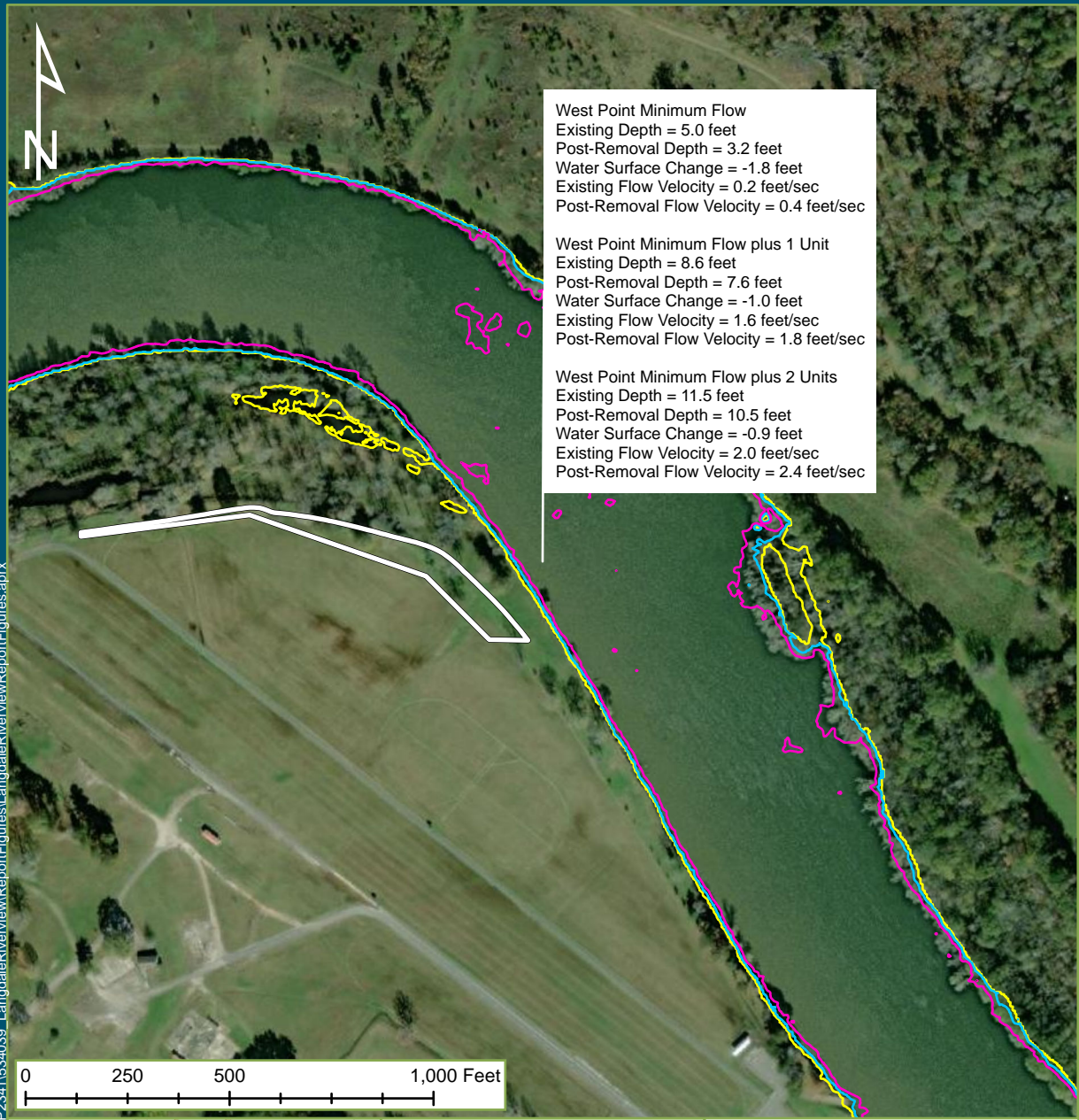
- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

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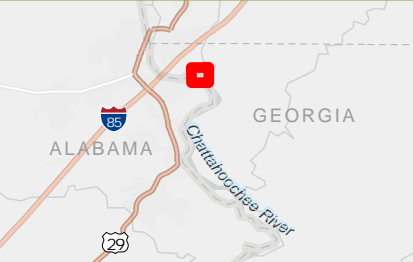


West Point Minimum Flow
 Existing Depth = 5.0 feet
 Post-Removal Depth = 3.2 feet
 Water Surface Change = -1.8 feet
 Existing Flow Velocity = 0.2 feet/sec
 Post-Removal Flow Velocity = 0.4 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 8.6 feet
 Post-Removal Depth = 7.6 feet
 Water Surface Change = -1.0 feet
 Existing Flow Velocity = 1.6 feet/sec
 Post-Removal Flow Velocity = 1.8 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 11.5 feet
 Post-Removal Depth = 10.5 feet
 Water Surface Change = -0.9 feet
 Existing Flow Velocity = 2.0 feet/sec
 Post-Removal Flow Velocity = 2.4 feet/sec

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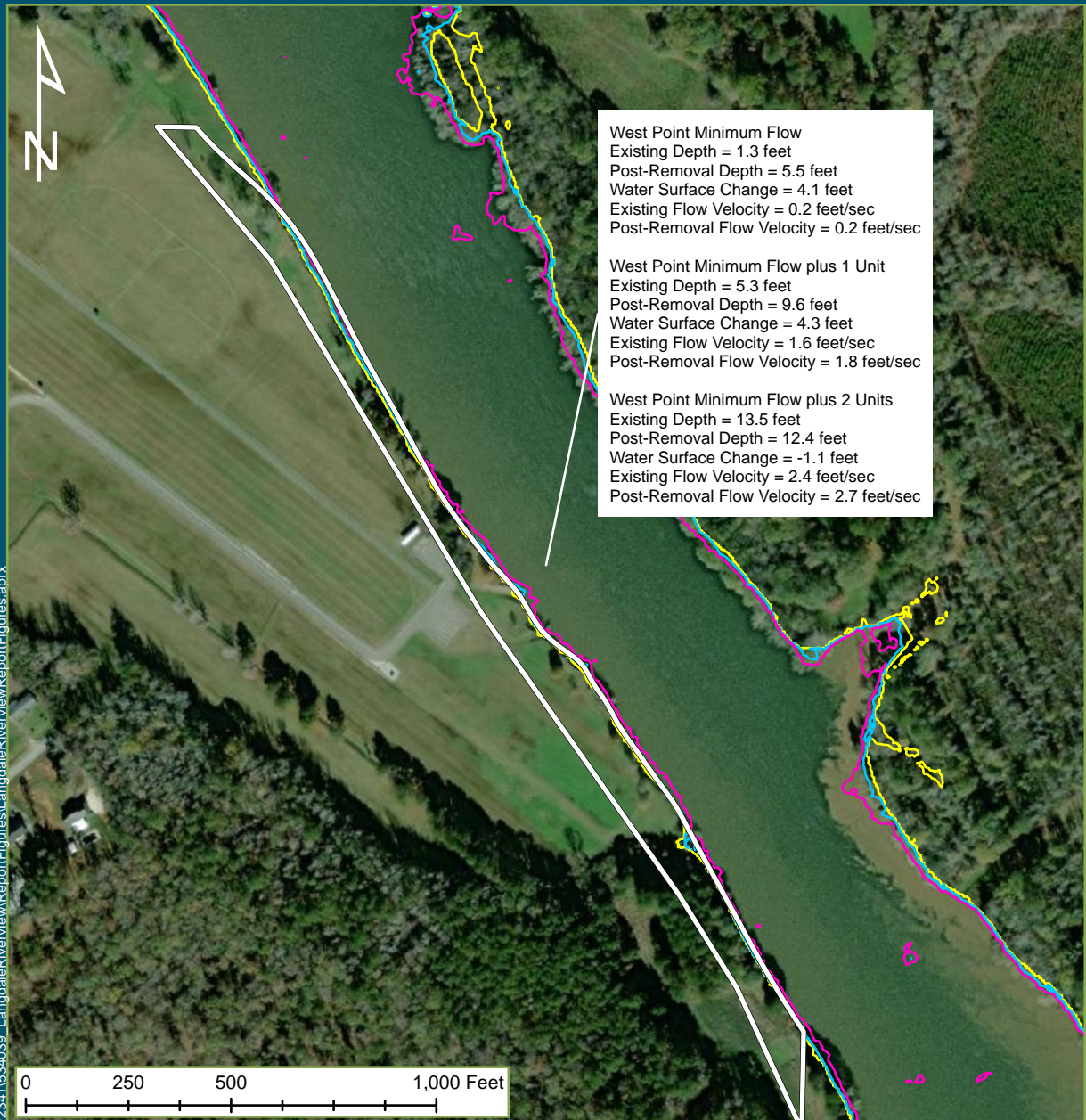
- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

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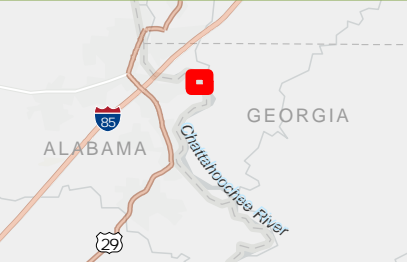
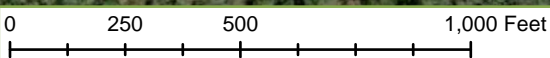
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West Point Minimum Flow
 Existing Depth = 1.3 feet
 Post-Removal Depth = 5.5 feet
 Water Surface Change = 4.1 feet
 Existing Flow Velocity = 0.2 feet/sec
 Post-Removal Flow Velocity = 0.2 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 5.3 feet
 Post-Removal Depth = 9.6 feet
 Water Surface Change = 4.3 feet
 Existing Flow Velocity = 1.6 feet/sec
 Post-Removal Flow Velocity = 1.8 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 13.5 feet
 Post-Removal Depth = 12.4 feet
 Water Surface Change = -1.1 feet
 Existing Flow Velocity = 2.4 feet/sec
 Post-Removal Flow Velocity = 2.7 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

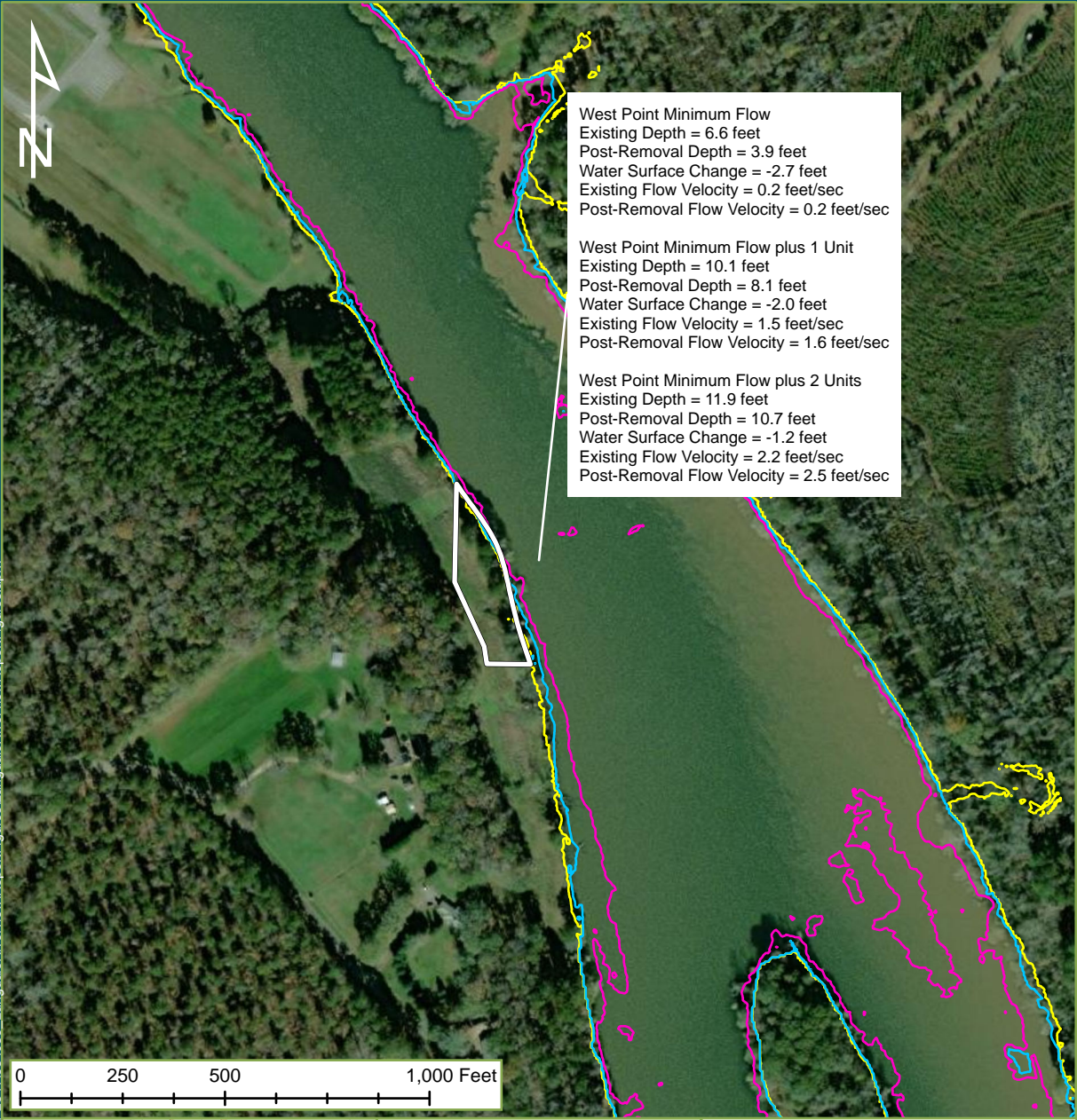
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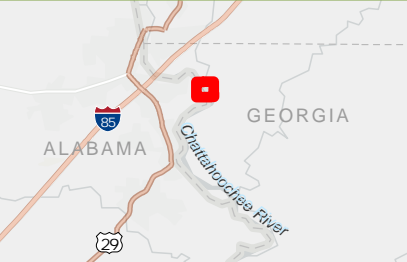
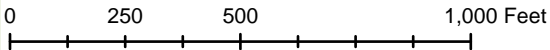
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West Point Minimum Flow
 Existing Depth = 6.6 feet
 Post-Removal Depth = 3.9 feet
 Water Surface Change = -2.7 feet
 Existing Flow Velocity = 0.2 feet/sec
 Post-Removal Flow Velocity = 0.2 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 10.1 feet
 Post-Removal Depth = 8.1 feet
 Water Surface Change = -2.0 feet
 Existing Flow Velocity = 1.5 feet/sec
 Post-Removal Flow Velocity = 1.6 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 11.9 feet
 Post-Removal Depth = 10.7 feet
 Water Surface Change = -1.2 feet
 Existing Flow Velocity = 2.2 feet/sec
 Post-Removal Flow Velocity = 2.5 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power Langdale, Georgia

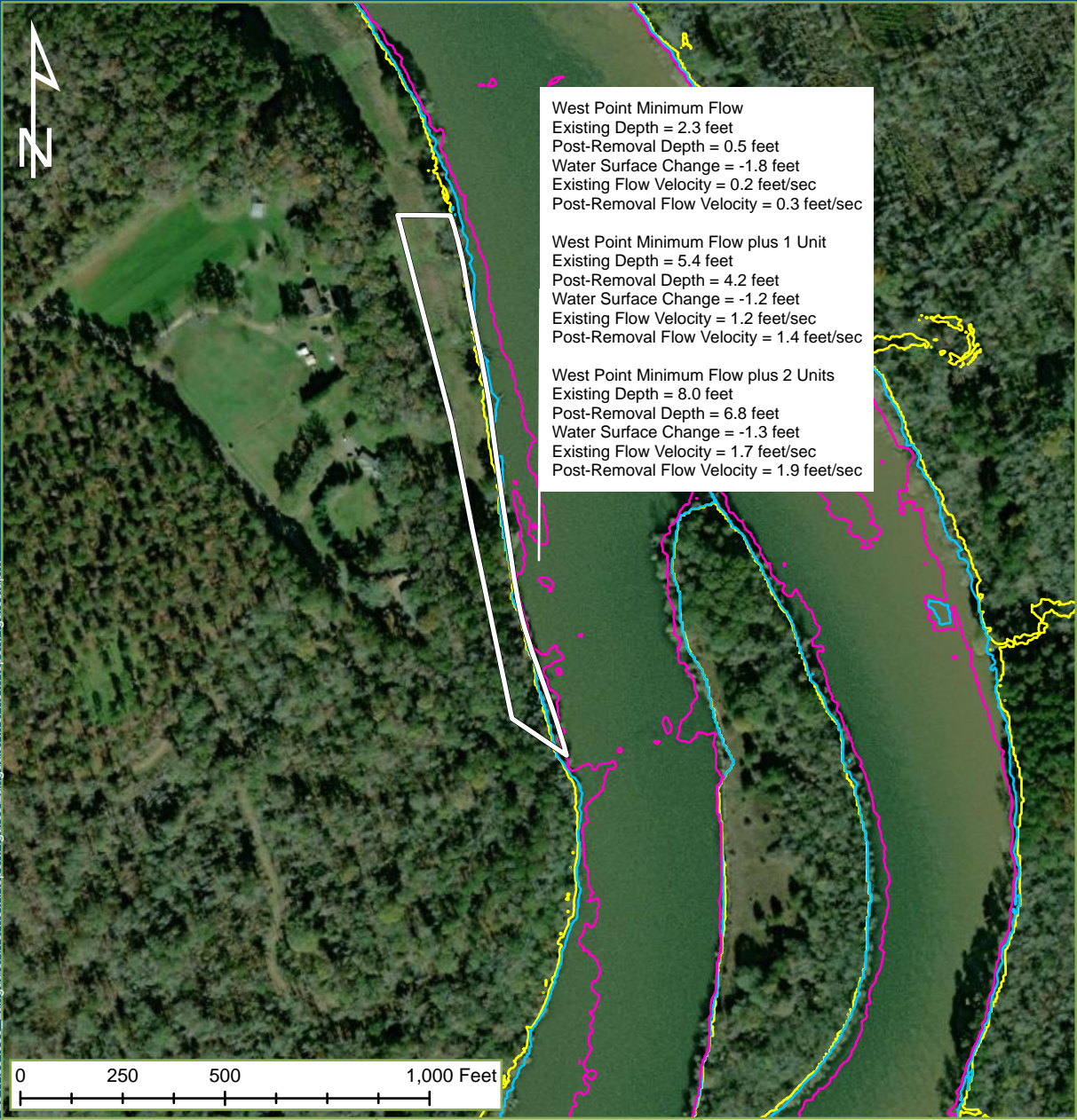
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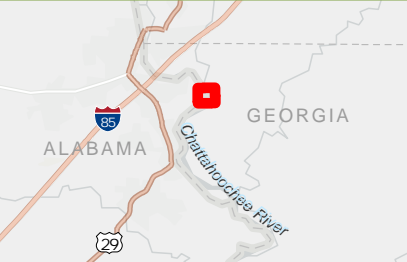
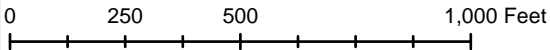
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West Point Minimum Flow
 Existing Depth = 2.3 feet
 Post-Removal Depth = 0.5 feet
 Water Surface Change = -1.8 feet
 Existing Flow Velocity = 0.2 feet/sec
 Post-Removal Flow Velocity = 0.3 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 5.4 feet
 Post-Removal Depth = 4.2 feet
 Water Surface Change = -1.2 feet
 Existing Flow Velocity = 1.2 feet/sec
 Post-Removal Flow Velocity = 1.4 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 8.0 feet
 Post-Removal Depth = 6.8 feet
 Water Surface Change = -1.3 feet
 Existing Flow Velocity = 1.7 feet/sec
 Post-Removal Flow Velocity = 1.9 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

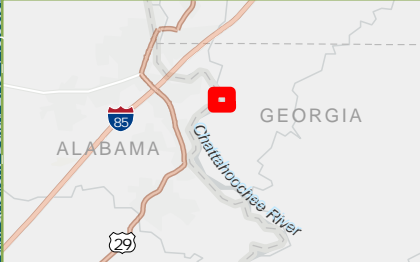
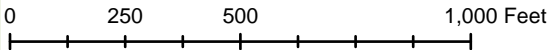
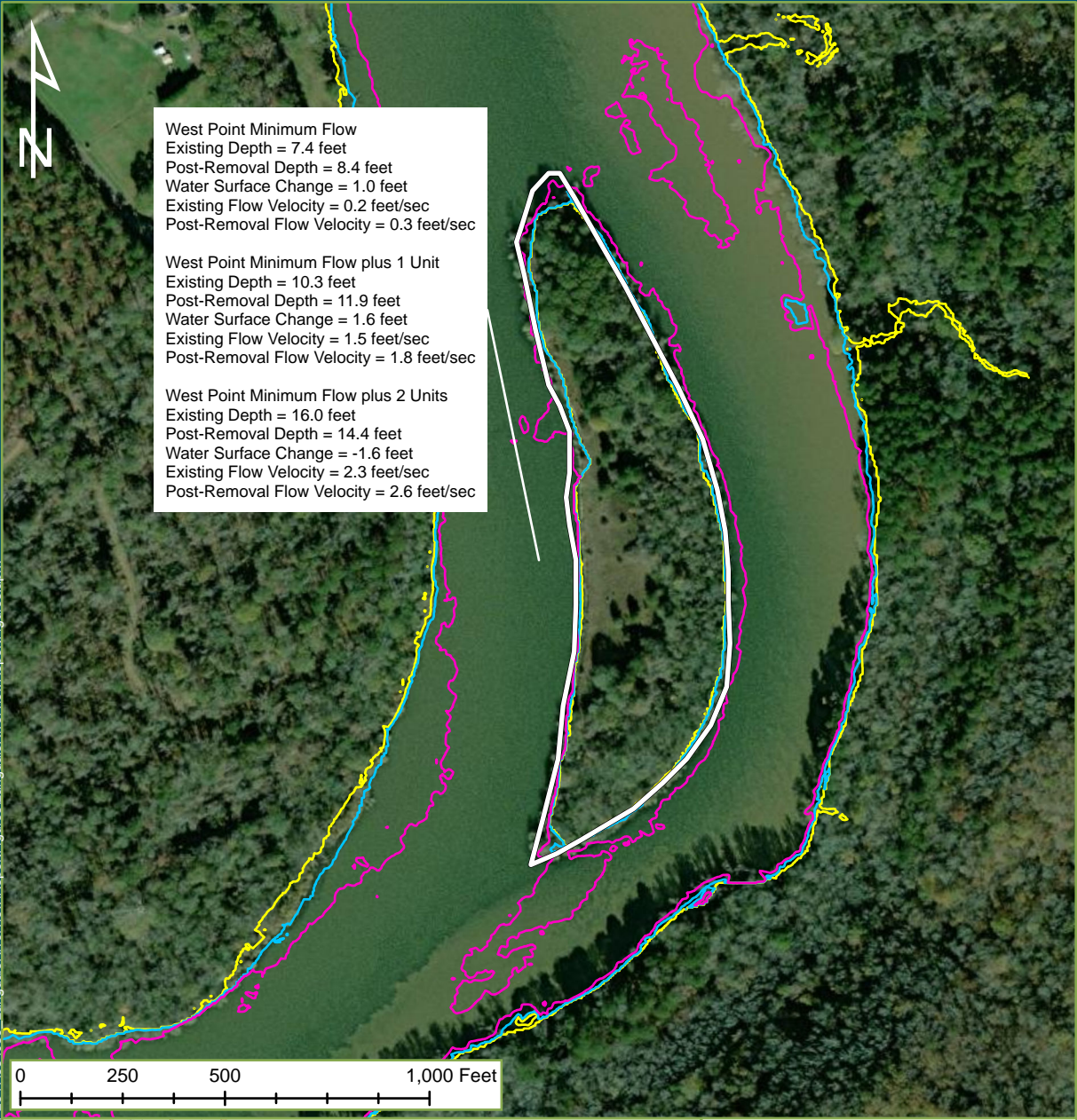
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- Legend**
- Property Boundary
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 - Base Flow +2 Inundation Boundary

Georgia Power
Langdale, Georgia

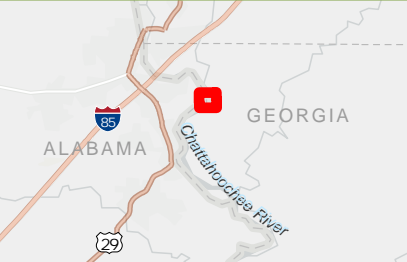
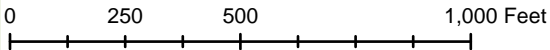
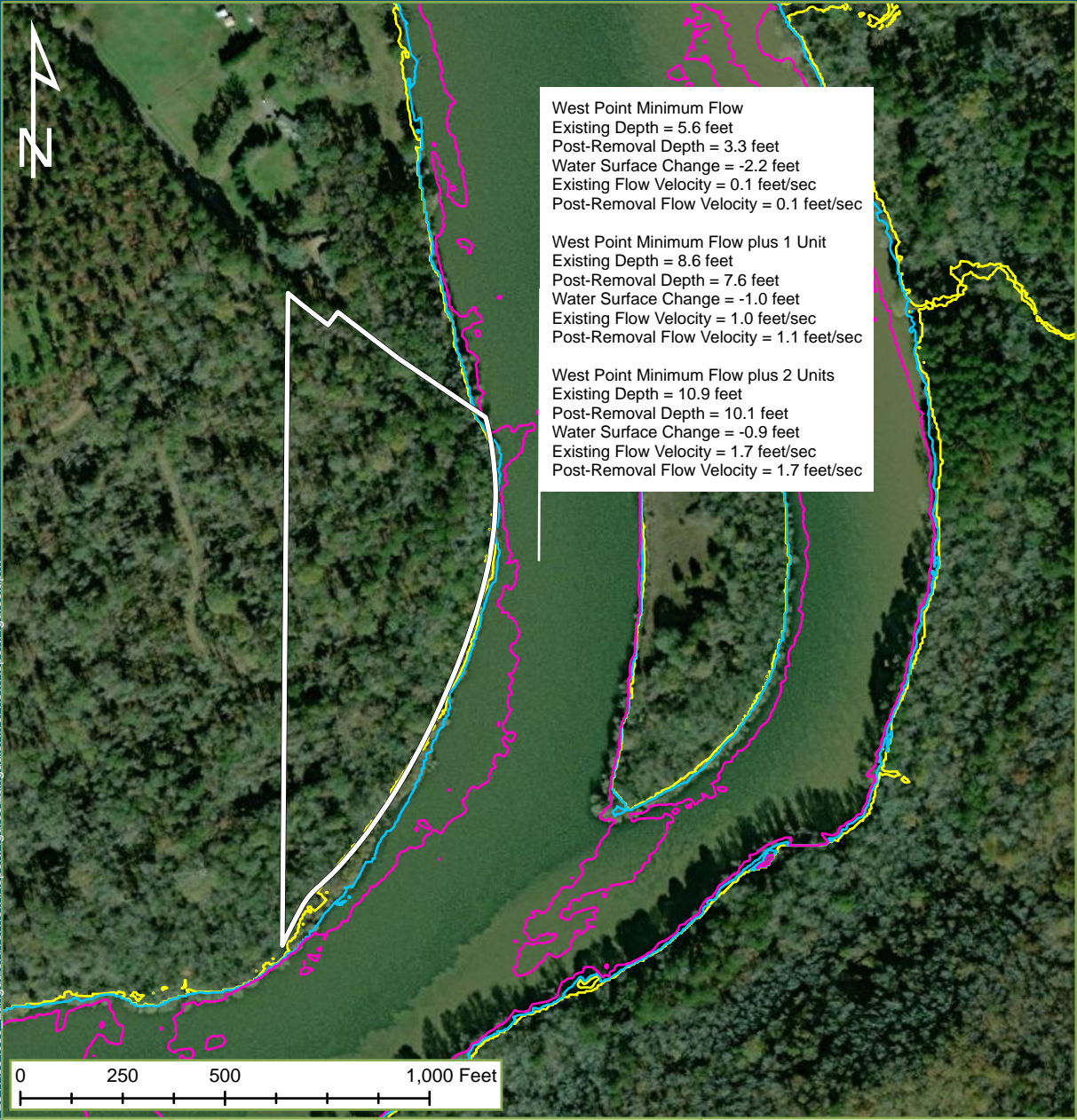
Drawn By: ADY	Date Drawn: 05-20-2022	Checked By: KPN	Date Checked: 05-20-2022
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- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
Langdale, Georgia

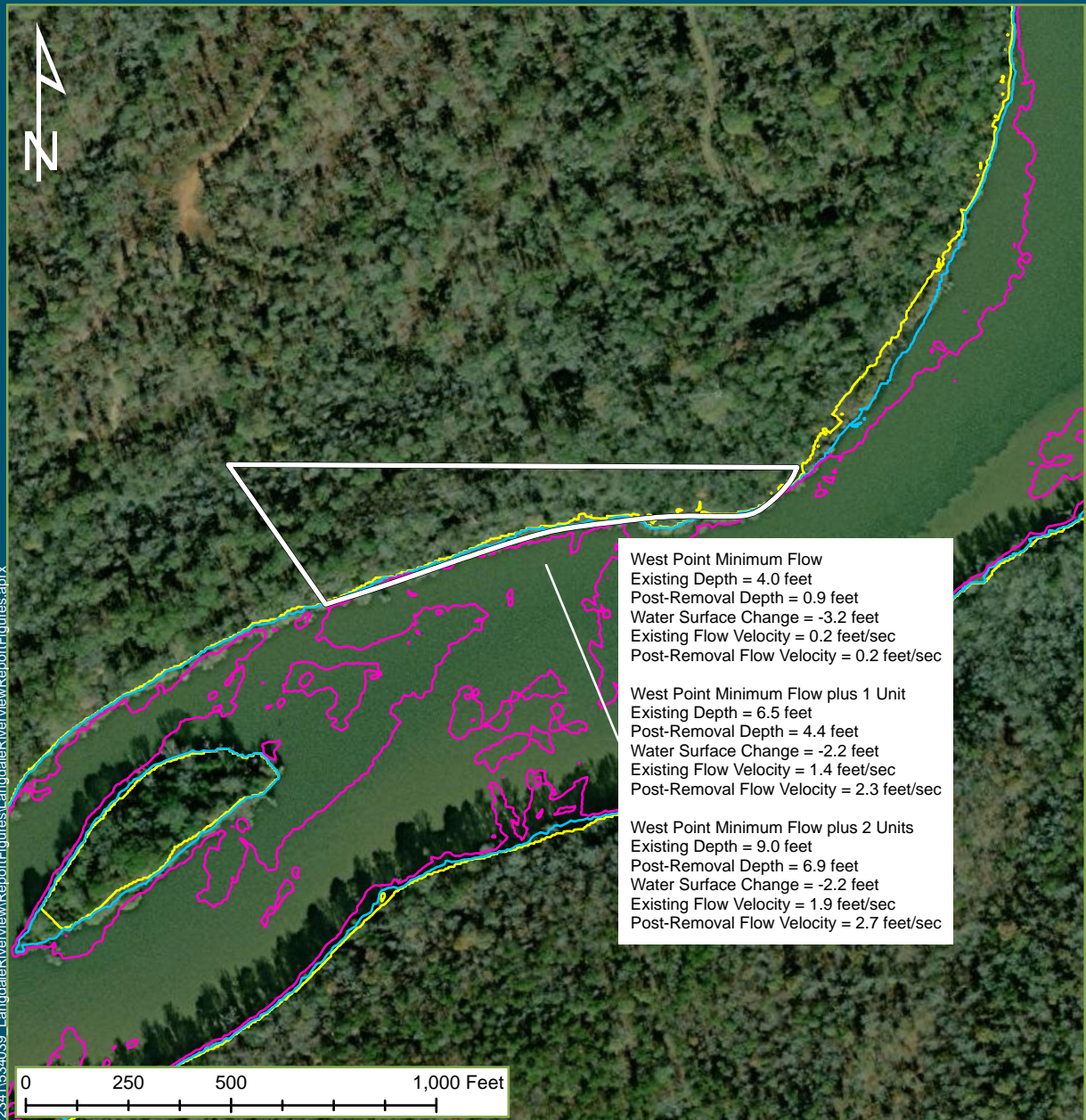
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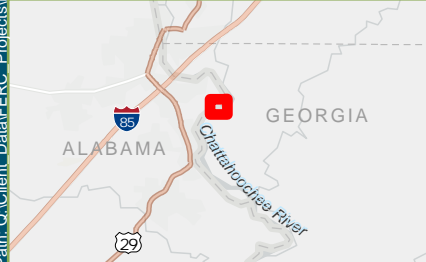
Date Printed: 5/20/2022



West Point Minimum Flow
 Existing Depth = 4.0 feet
 Post-Removal Depth = 0.9 feet
 Water Surface Change = -3.2 feet
 Existing Flow Velocity = 0.2 feet/sec
 Post-Removal Flow Velocity = 0.2 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 6.5 feet
 Post-Removal Depth = 4.4 feet
 Water Surface Change = -2.2 feet
 Existing Flow Velocity = 1.4 feet/sec
 Post-Removal Flow Velocity = 2.3 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 9.0 feet
 Post-Removal Depth = 6.9 feet
 Water Surface Change = -2.2 feet
 Existing Flow Velocity = 1.9 feet/sec
 Post-Removal Flow Velocity = 2.7 feet/sec



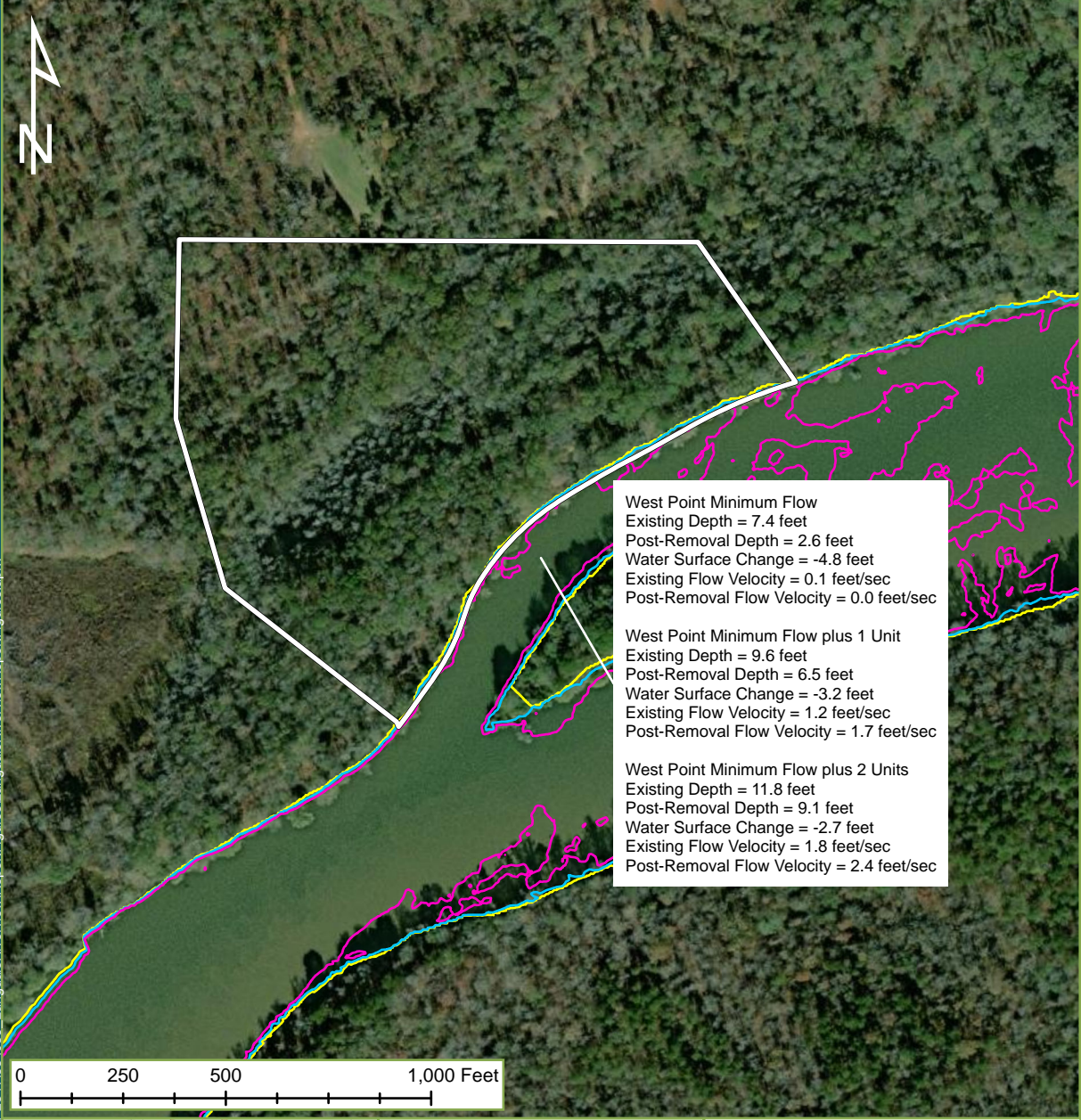
- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

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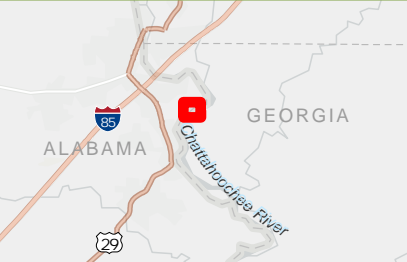


West Point Minimum Flow
 Existing Depth = 7.4 feet
 Post-Removal Depth = 2.6 feet
 Water Surface Change = -4.8 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.0 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 9.6 feet
 Post-Removal Depth = 6.5 feet
 Water Surface Change = -3.2 feet
 Existing Flow Velocity = 1.2 feet/sec
 Post-Removal Flow Velocity = 1.7 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 11.8 feet
 Post-Removal Depth = 9.1 feet
 Water Surface Change = -2.7 feet
 Existing Flow Velocity = 1.8 feet/sec
 Post-Removal Flow Velocity = 2.4 feet/sec

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- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

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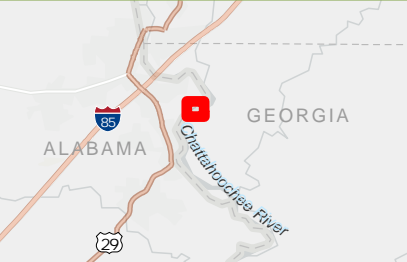
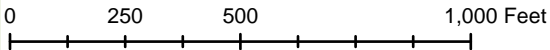
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West Point Minimum Flow
 Existing Depth = 3.0 feet
 Post-Removal Depth = 0.4 feet
 Water Surface Change = -2.6 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.1 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 5.4 feet
 Post-Removal Depth = 2.5 feet
 Water Surface Change = -2.8 feet
 Existing Flow Velocity = 1.1 feet/sec
 Post-Removal Flow Velocity = 1.8 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 7.6 feet
 Post-Removal Depth = 5.2 feet
 Water Surface Change = -2.4 feet
 Existing Flow Velocity = 1.7 feet/sec
 Post-Removal Flow Velocity = 2.3 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power

Langdale, Georgia

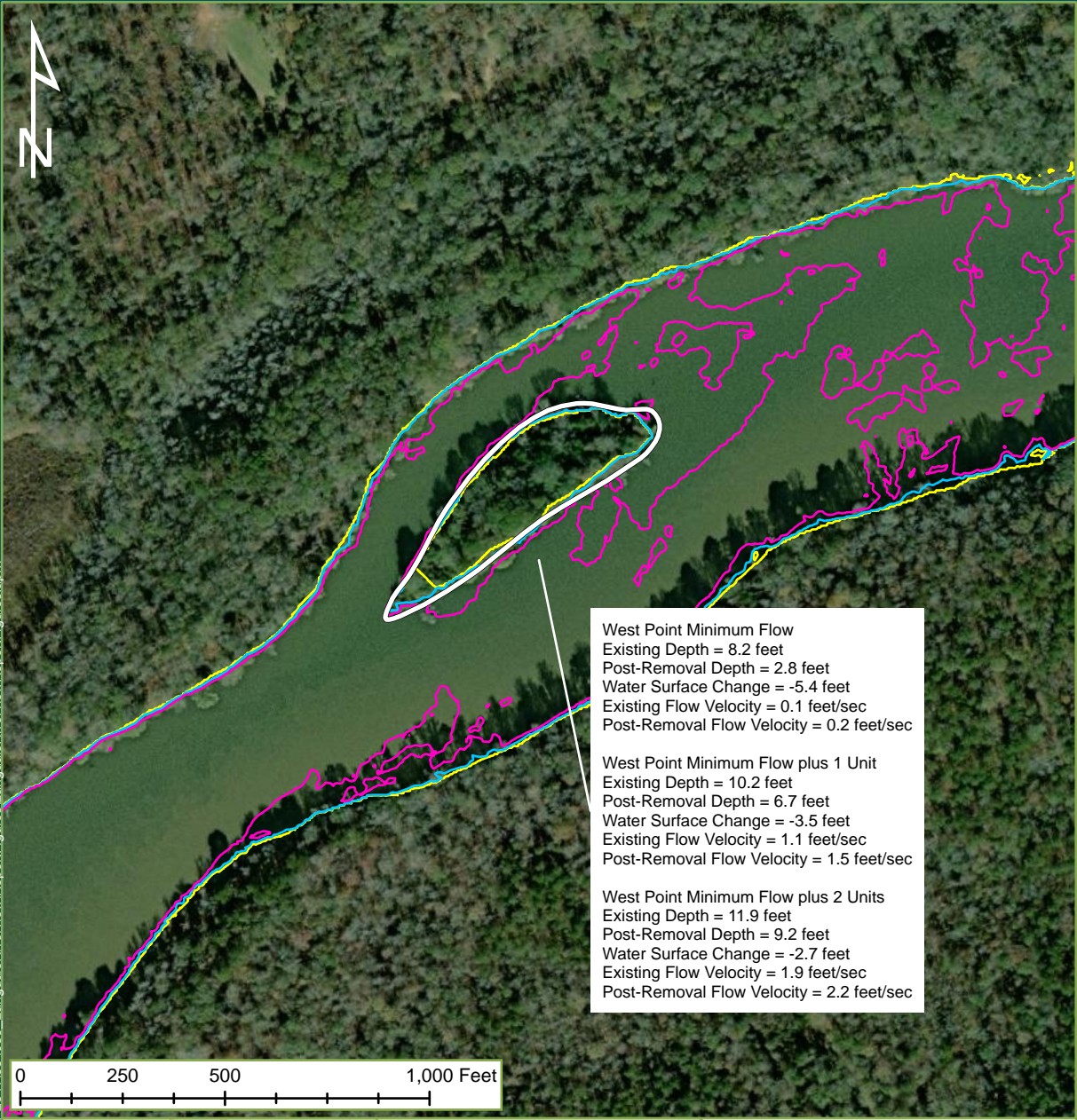
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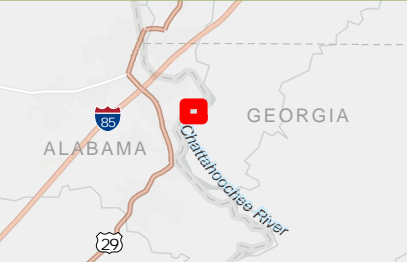
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West Point Minimum Flow
 Existing Depth = 8.2 feet
 Post-Removal Depth = 2.8 feet
 Water Surface Change = -5.4 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.2 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 10.2 feet
 Post-Removal Depth = 6.7 feet
 Water Surface Change = -3.5 feet
 Existing Flow Velocity = 1.1 feet/sec
 Post-Removal Flow Velocity = 1.5 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 11.9 feet
 Post-Removal Depth = 9.2 feet
 Water Surface Change = -2.7 feet
 Existing Flow Velocity = 1.9 feet/sec
 Post-Removal Flow Velocity = 2.2 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

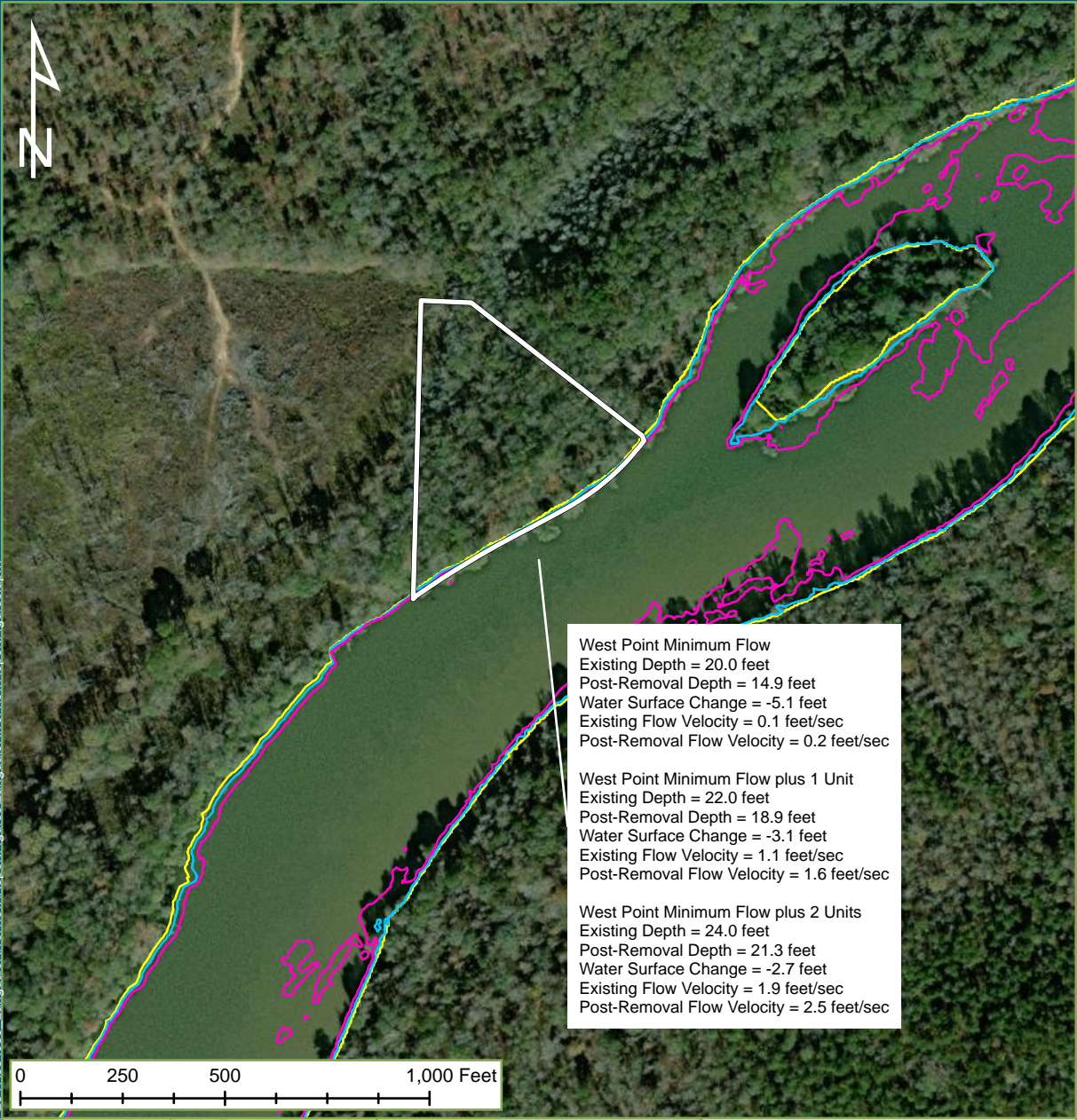
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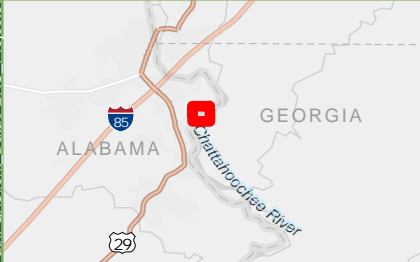
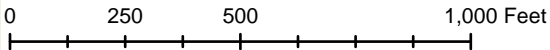
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West Point Minimum Flow
 Existing Depth = 20.0 feet
 Post-Removal Depth = 14.9 feet
 Water Surface Change = -5.1 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.2 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 22.0 feet
 Post-Removal Depth = 18.9 feet
 Water Surface Change = -3.1 feet
 Existing Flow Velocity = 1.1 feet/sec
 Post-Removal Flow Velocity = 1.6 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 24.0 feet
 Post-Removal Depth = 21.3 feet
 Water Surface Change = -2.7 feet
 Existing Flow Velocity = 1.9 feet/sec
 Post-Removal Flow Velocity = 2.5 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power

Langdale, Georgia

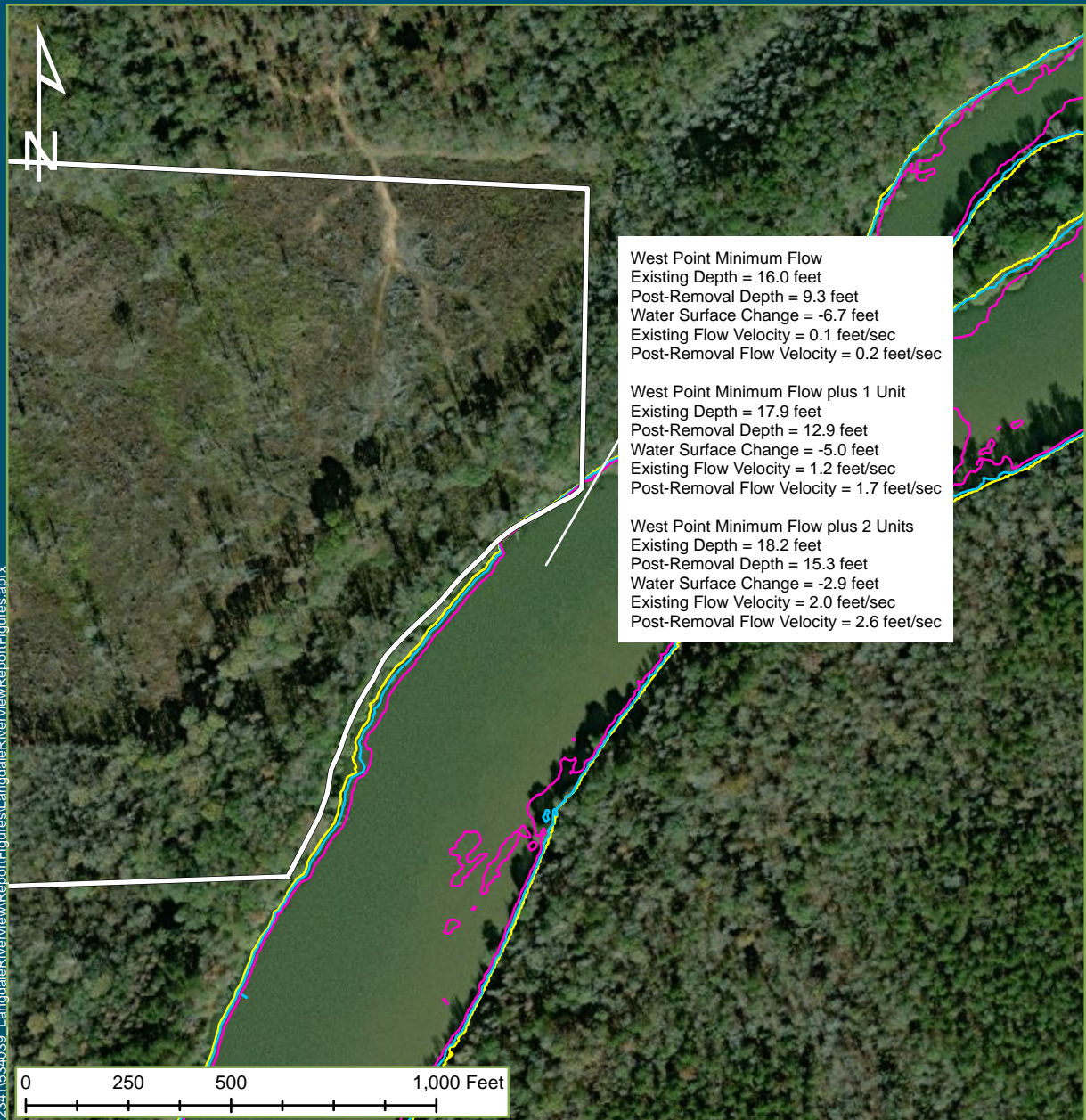
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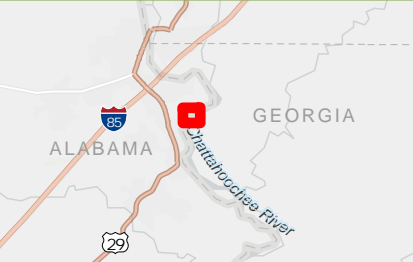


West Point Minimum Flow
 Existing Depth = 16.0 feet
 Post-Removal Depth = 9.3 feet
 Water Surface Change = -6.7 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.2 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 17.9 feet
 Post-Removal Depth = 12.9 feet
 Water Surface Change = -5.0 feet
 Existing Flow Velocity = 1.2 feet/sec
 Post-Removal Flow Velocity = 1.7 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 18.2 feet
 Post-Removal Depth = 15.3 feet
 Water Surface Change = -2.9 feet
 Existing Flow Velocity = 2.0 feet/sec
 Post-Removal Flow Velocity = 2.6 feet/sec

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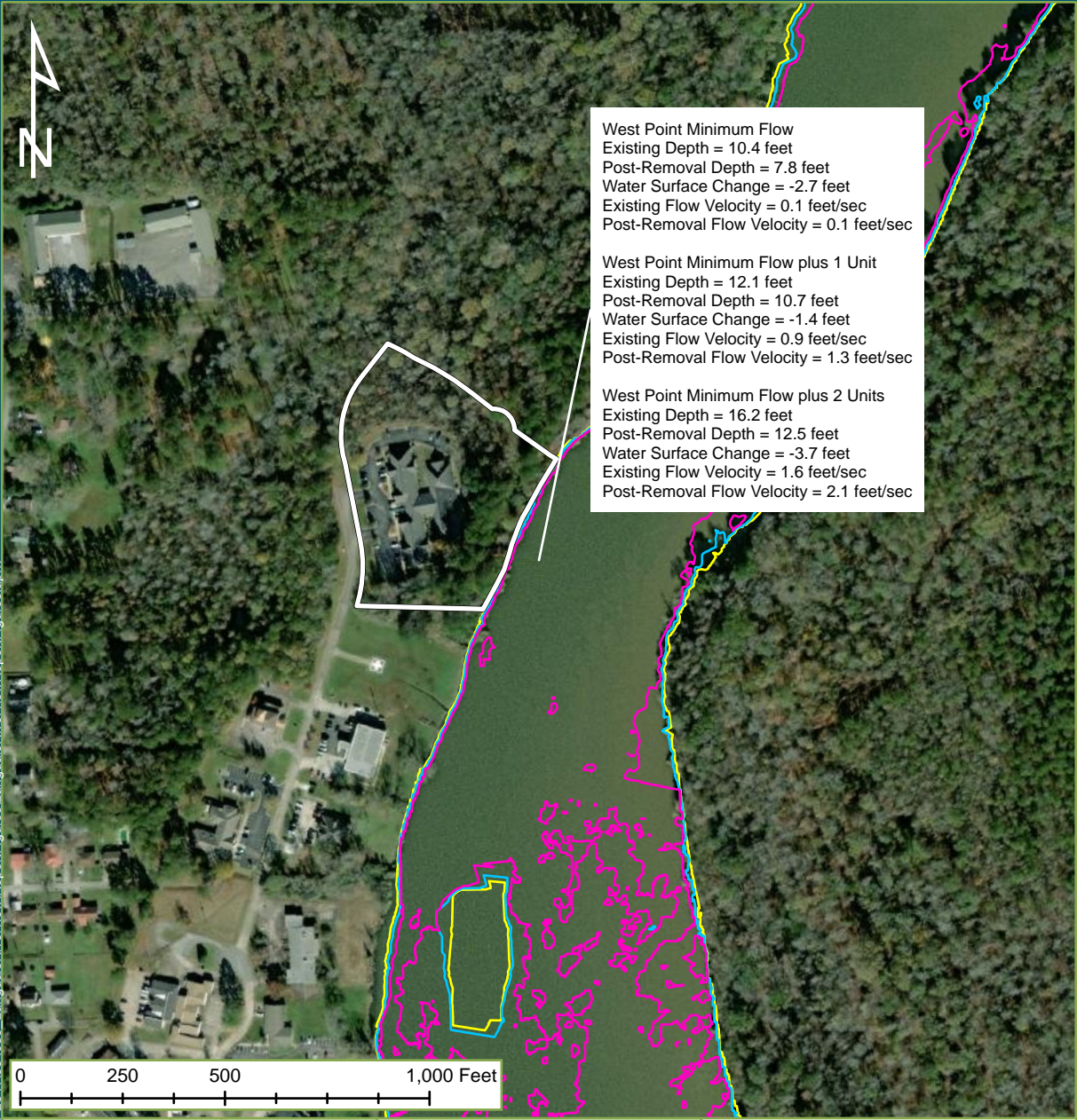
- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

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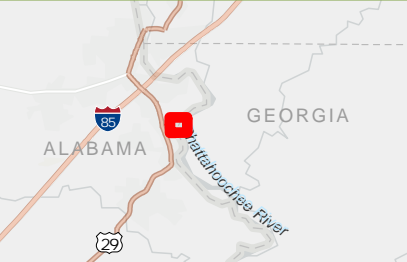


West Point Minimum Flow
 Existing Depth = 10.4 feet
 Post-Removal Depth = 7.8 feet
 Water Surface Change = -2.7 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.1 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 12.1 feet
 Post-Removal Depth = 10.7 feet
 Water Surface Change = -1.4 feet
 Existing Flow Velocity = 0.9 feet/sec
 Post-Removal Flow Velocity = 1.3 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 16.2 feet
 Post-Removal Depth = 12.5 feet
 Water Surface Change = -3.7 feet
 Existing Flow Velocity = 1.6 feet/sec
 Post-Removal Flow Velocity = 2.1 feet/sec

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Legend

- Property Boundary
- Base Flow Inundation Boundary
- Base Flow +1 Inundation Boundary
- Base Flow +2 Inundation Boundary

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 Langdale, Georgia

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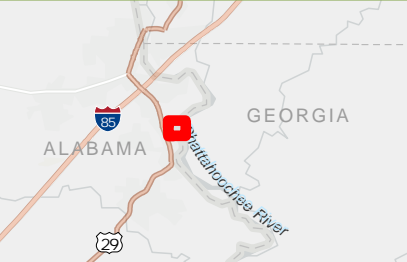
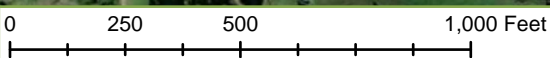
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West Point Minimum Flow
 Existing Depth = 13.1 feet
 Post-Removal Depth = 10.8 feet
 Water Surface Change = -2.4 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.1 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 15.0 feet
 Post-Removal Depth = 13.7 feet
 Water Surface Change = -1.4 feet
 Existing Flow Velocity = 0.8 feet/sec
 Post-Removal Flow Velocity = 1.1 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 16.7 feet
 Post-Removal Depth = 15.4 feet
 Water Surface Change = -1.3 feet
 Existing Flow Velocity = 1.5 feet/sec
 Post-Removal Flow Velocity = 1.8 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power

Langdale, Georgia

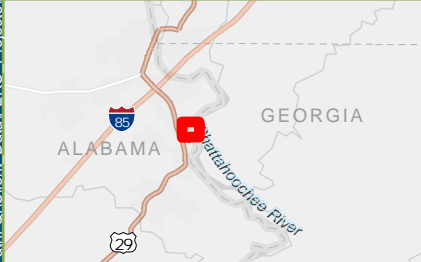
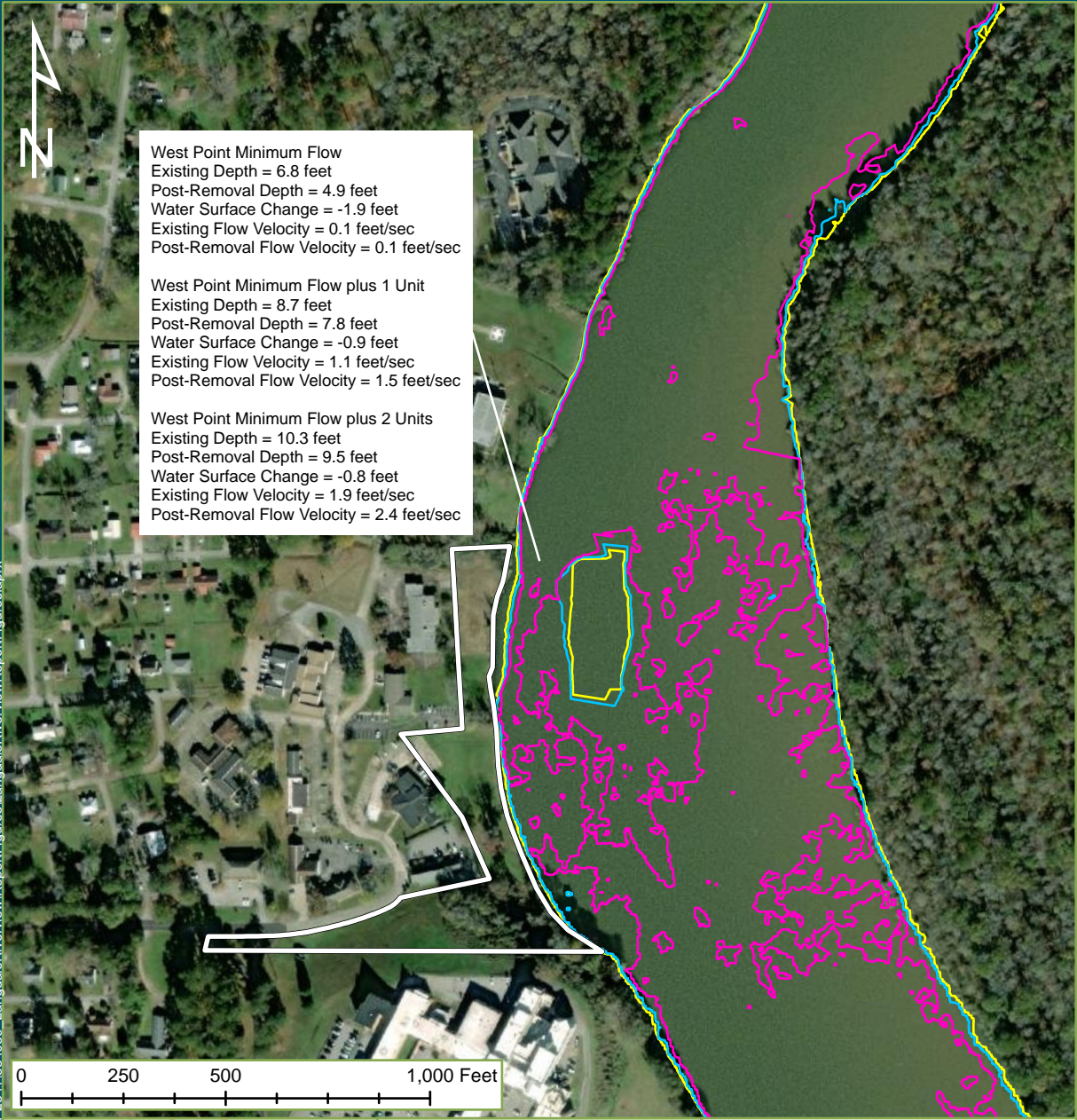
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Legend

- Property Boundary
- Base Flow Inundation Boundary
- Base Flow +1 Inundation Boundary
- Base Flow +2 Inundation Boundary

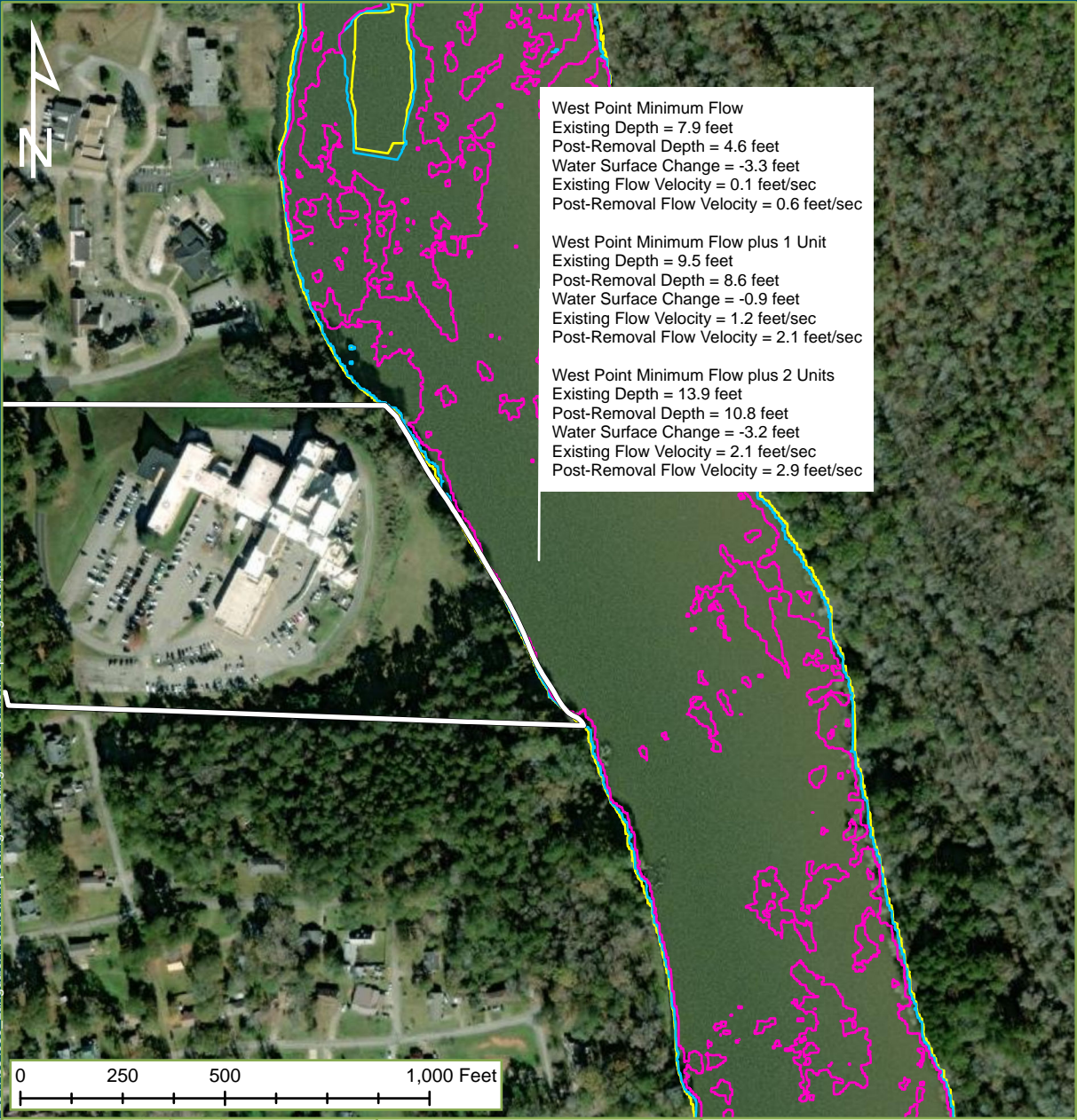
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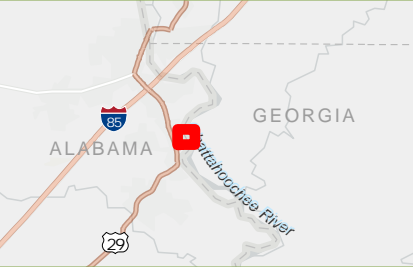


West Point Minimum Flow
 Existing Depth = 7.9 feet
 Post-Removal Depth = 4.6 feet
 Water Surface Change = -3.3 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.6 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 9.5 feet
 Post-Removal Depth = 8.6 feet
 Water Surface Change = -0.9 feet
 Existing Flow Velocity = 1.2 feet/sec
 Post-Removal Flow Velocity = 2.1 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 13.9 feet
 Post-Removal Depth = 10.8 feet
 Water Surface Change = -3.2 feet
 Existing Flow Velocity = 2.1 feet/sec
 Post-Removal Flow Velocity = 2.9 feet/sec

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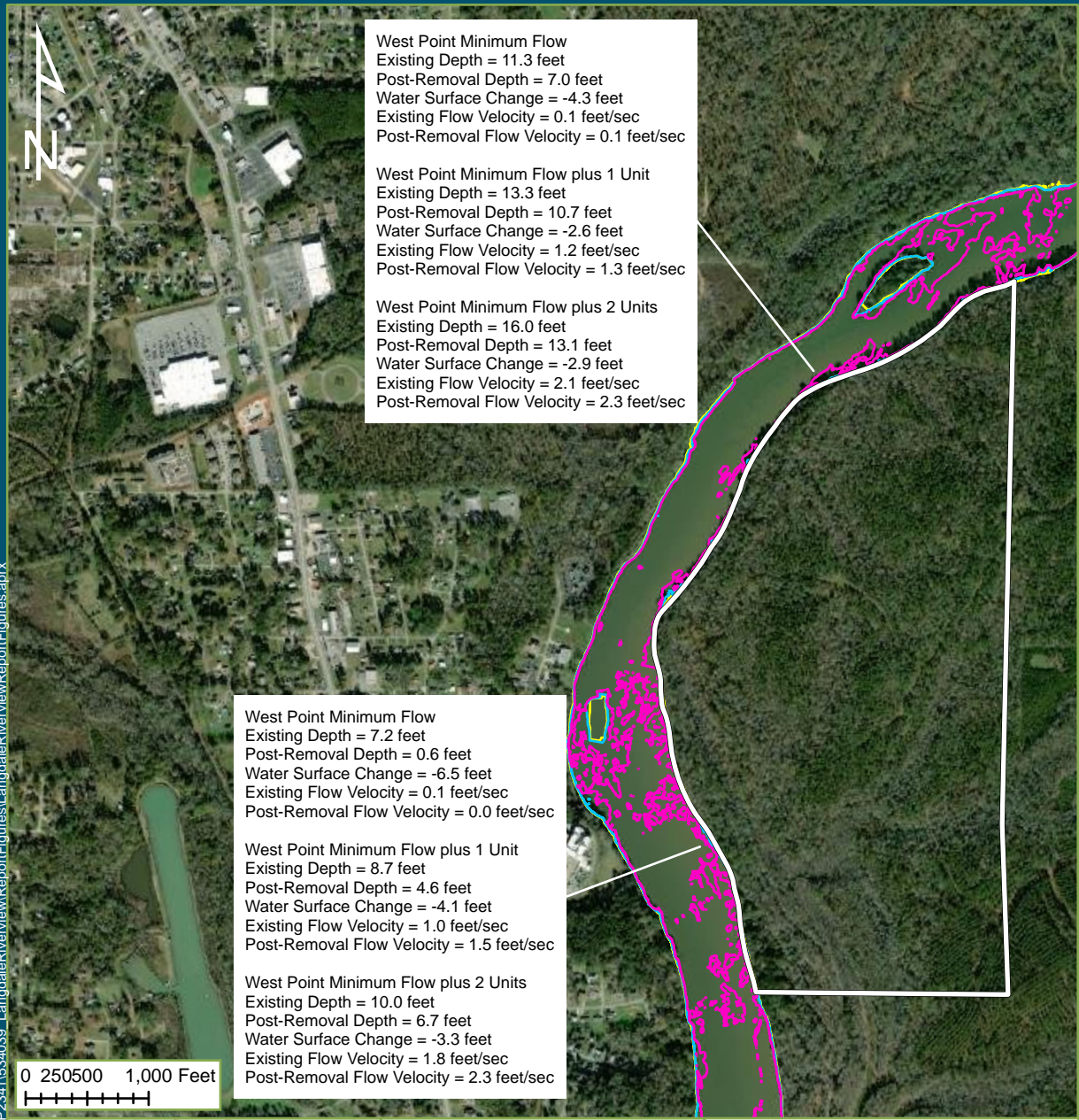
- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

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Langdale, Georgia

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West Point Minimum Flow
 Existing Depth = 11.3 feet
 Post-Removal Depth = 7.0 feet
 Water Surface Change = -4.3 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.1 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 13.3 feet
 Post-Removal Depth = 10.7 feet
 Water Surface Change = -2.6 feet
 Existing Flow Velocity = 1.2 feet/sec
 Post-Removal Flow Velocity = 1.3 feet/sec

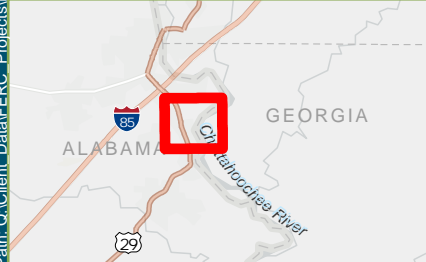
West Point Minimum Flow plus 2 Units
 Existing Depth = 16.0 feet
 Post-Removal Depth = 13.1 feet
 Water Surface Change = -2.9 feet
 Existing Flow Velocity = 2.1 feet/sec
 Post-Removal Flow Velocity = 2.3 feet/sec

West Point Minimum Flow
 Existing Depth = 7.2 feet
 Post-Removal Depth = 0.6 feet
 Water Surface Change = -6.5 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.0 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 8.7 feet
 Post-Removal Depth = 4.6 feet
 Water Surface Change = -4.1 feet
 Existing Flow Velocity = 1.0 feet/sec
 Post-Removal Flow Velocity = 1.5 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 10.0 feet
 Post-Removal Depth = 6.7 feet
 Water Surface Change = -3.3 feet
 Existing Flow Velocity = 1.8 feet/sec
 Post-Removal Flow Velocity = 2.3 feet/sec

0 250 500 1,000 Feet



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

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 Langdale, Georgia

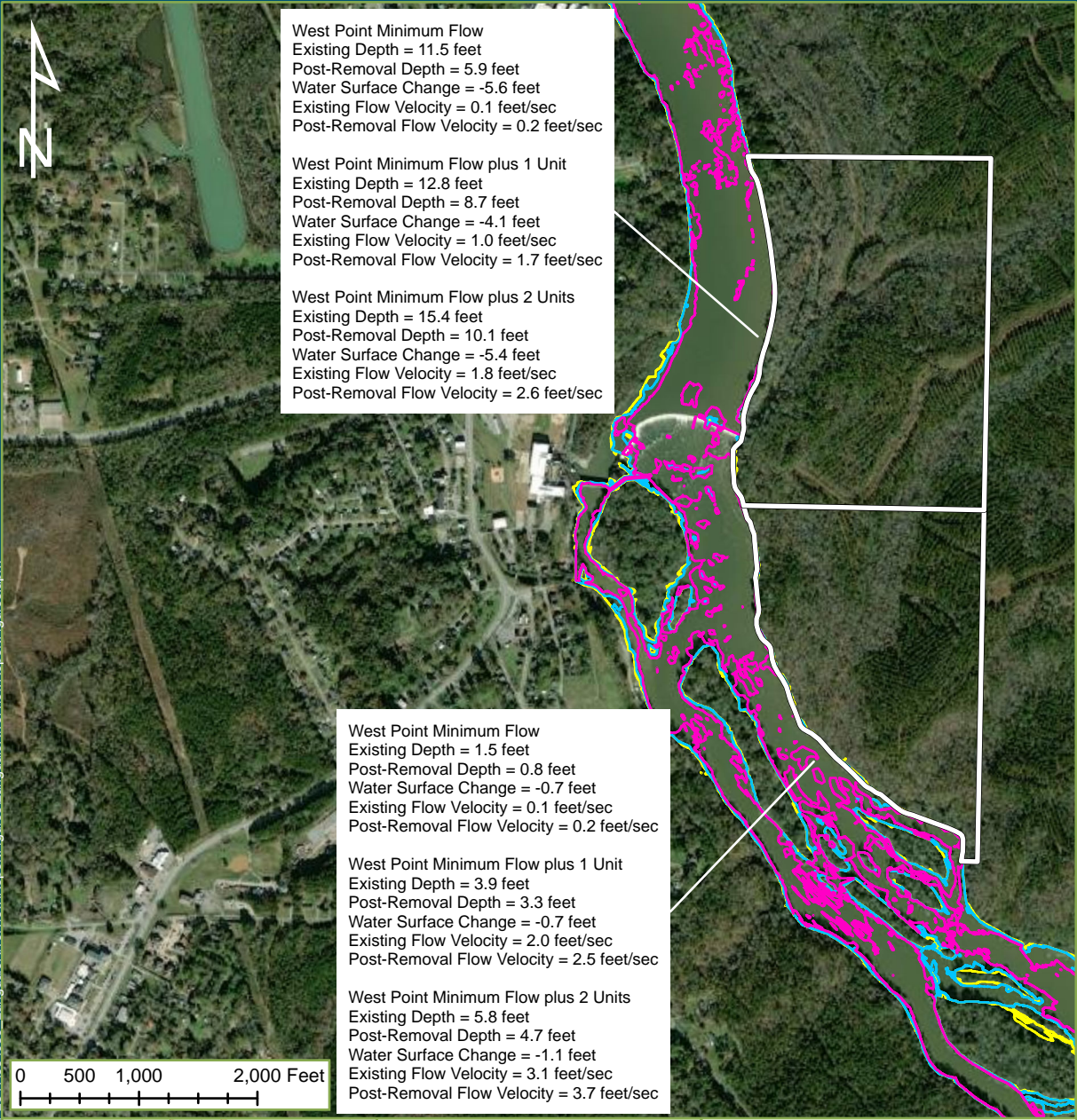
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West Point Minimum Flow
 Existing Depth = 11.5 feet
 Post-Removal Depth = 5.9 feet
 Water Surface Change = -5.6 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.2 feet/sec

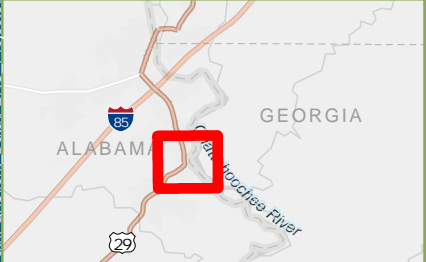
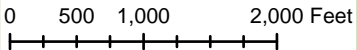
West Point Minimum Flow plus 1 Unit
 Existing Depth = 12.8 feet
 Post-Removal Depth = 8.7 feet
 Water Surface Change = -4.1 feet
 Existing Flow Velocity = 1.0 feet/sec
 Post-Removal Flow Velocity = 1.7 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 15.4 feet
 Post-Removal Depth = 10.1 feet
 Water Surface Change = -5.4 feet
 Existing Flow Velocity = 1.8 feet/sec
 Post-Removal Flow Velocity = 2.6 feet/sec

West Point Minimum Flow
 Existing Depth = 1.5 feet
 Post-Removal Depth = 0.8 feet
 Water Surface Change = -0.7 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.2 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 3.9 feet
 Post-Removal Depth = 3.3 feet
 Water Surface Change = -0.7 feet
 Existing Flow Velocity = 2.0 feet/sec
 Post-Removal Flow Velocity = 2.5 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 5.8 feet
 Post-Removal Depth = 4.7 feet
 Water Surface Change = -1.1 feet
 Existing Flow Velocity = 3.1 feet/sec
 Post-Removal Flow Velocity = 3.7 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

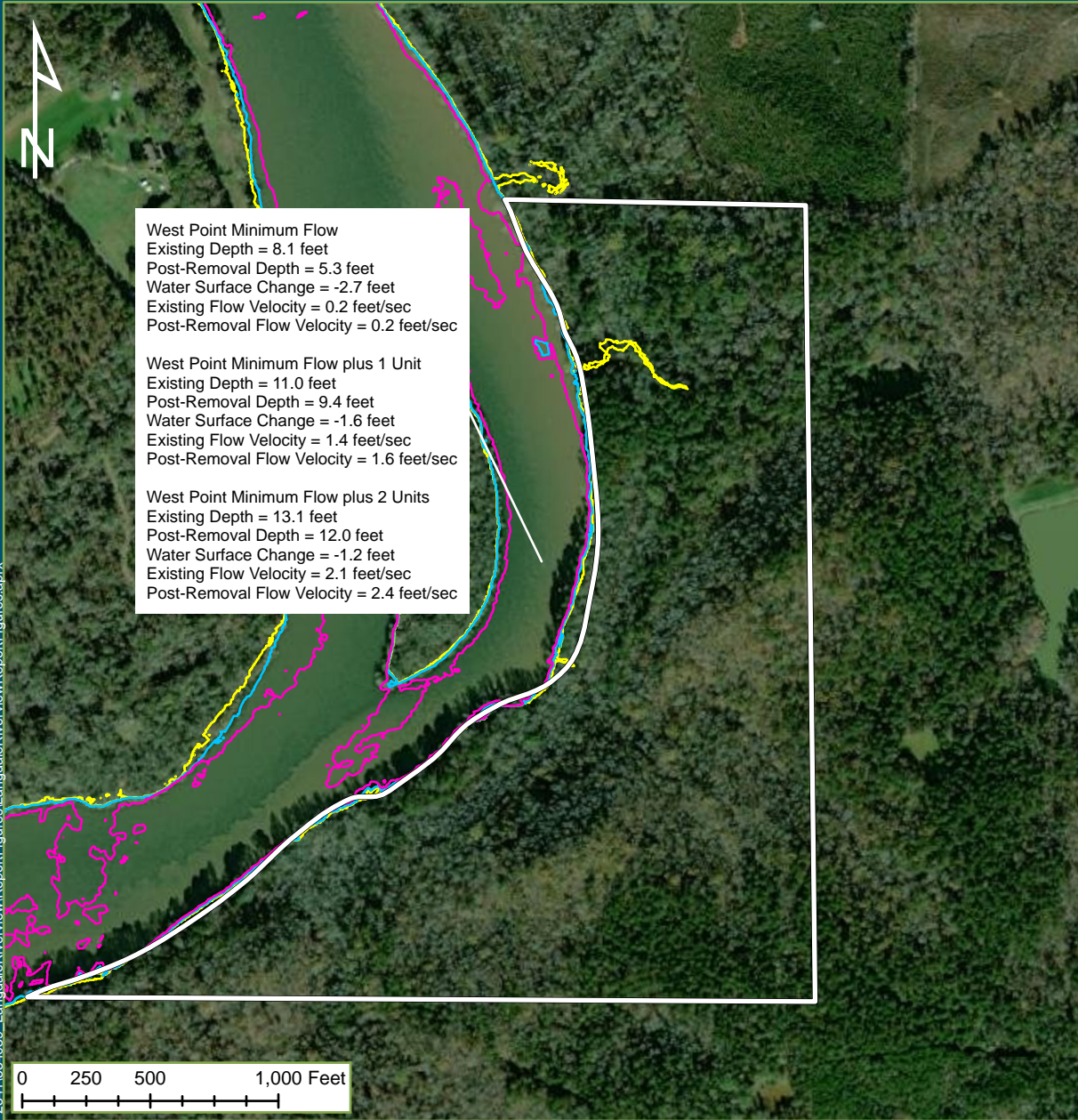
Drawn By: ADY	Date Drawn: 05-20-2022	Checked By: KPN	Date Checked: 05-20-2022
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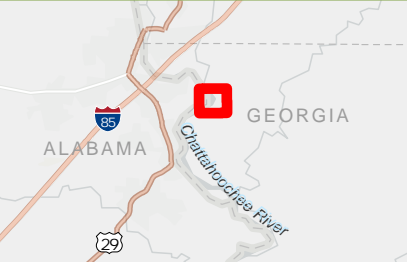
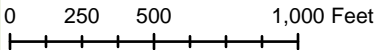
Date Printed: 5/20/2022



West Point Minimum Flow
 Existing Depth = 8.1 feet
 Post-Removal Depth = 5.3 feet
 Water Surface Change = -2.7 feet
 Existing Flow Velocity = 0.2 feet/sec
 Post-Removal Flow Velocity = 0.2 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 11.0 feet
 Post-Removal Depth = 9.4 feet
 Water Surface Change = -1.6 feet
 Existing Flow Velocity = 1.4 feet/sec
 Post-Removal Flow Velocity = 1.6 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 13.1 feet
 Post-Removal Depth = 12.0 feet
 Water Surface Change = -1.2 feet
 Existing Flow Velocity = 2.1 feet/sec
 Post-Removal Flow Velocity = 2.4 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

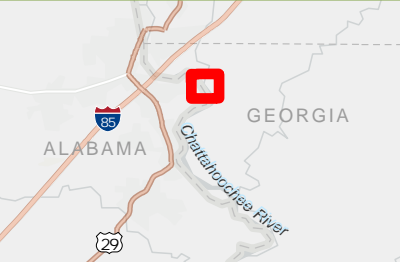
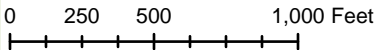
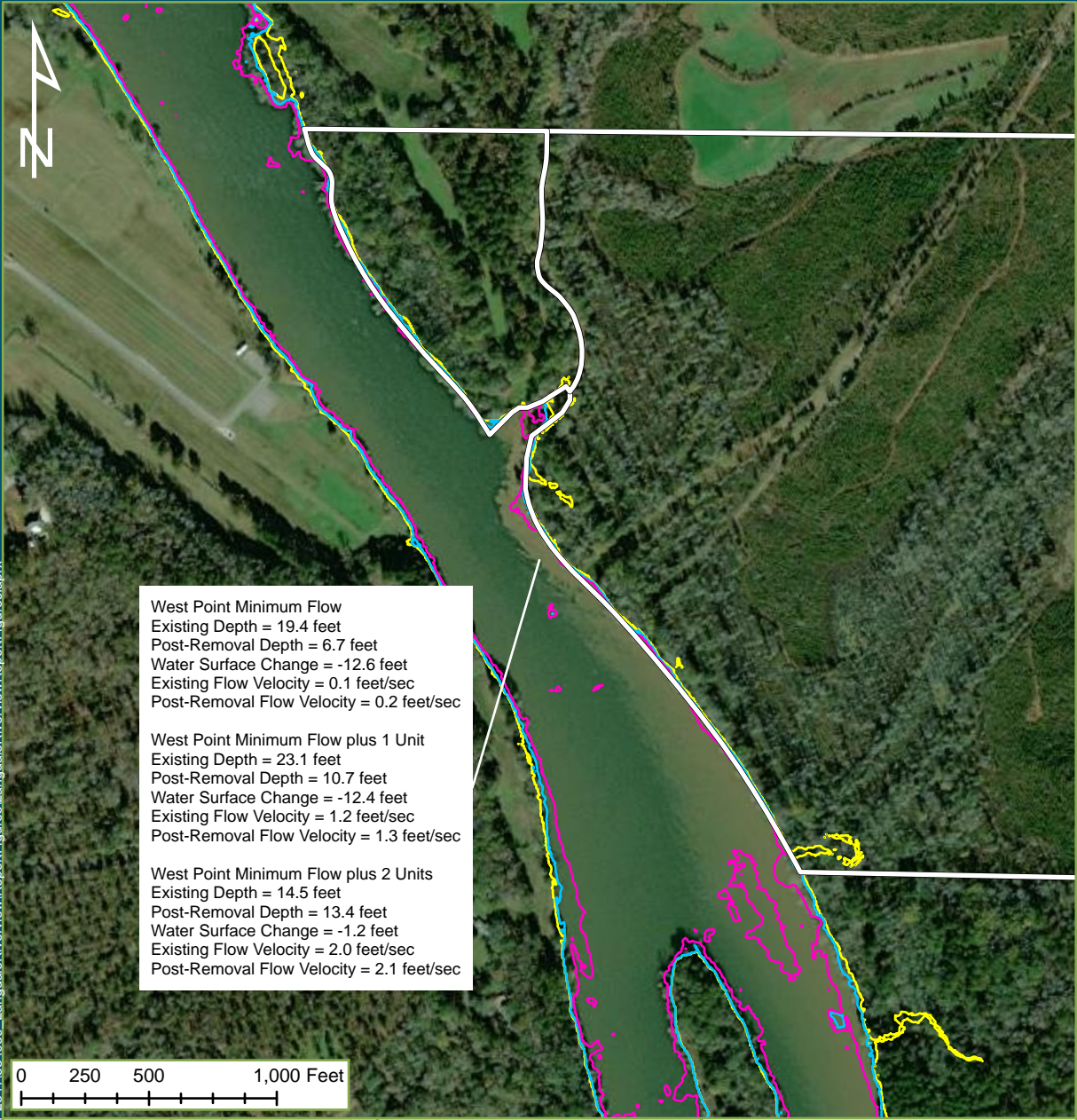
Georgia Power			
Langdale, Georgia			
Drawn By:	Date Drawn:	Checked By:	Date Checked:
ADY	05-20-2022	KPN	05-20-2022

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- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power

Langdale, Georgia

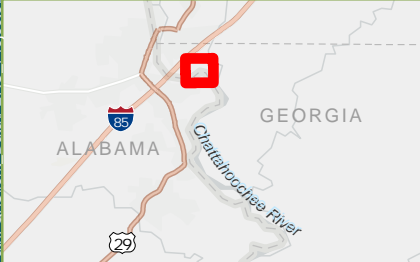
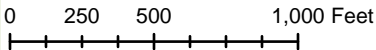
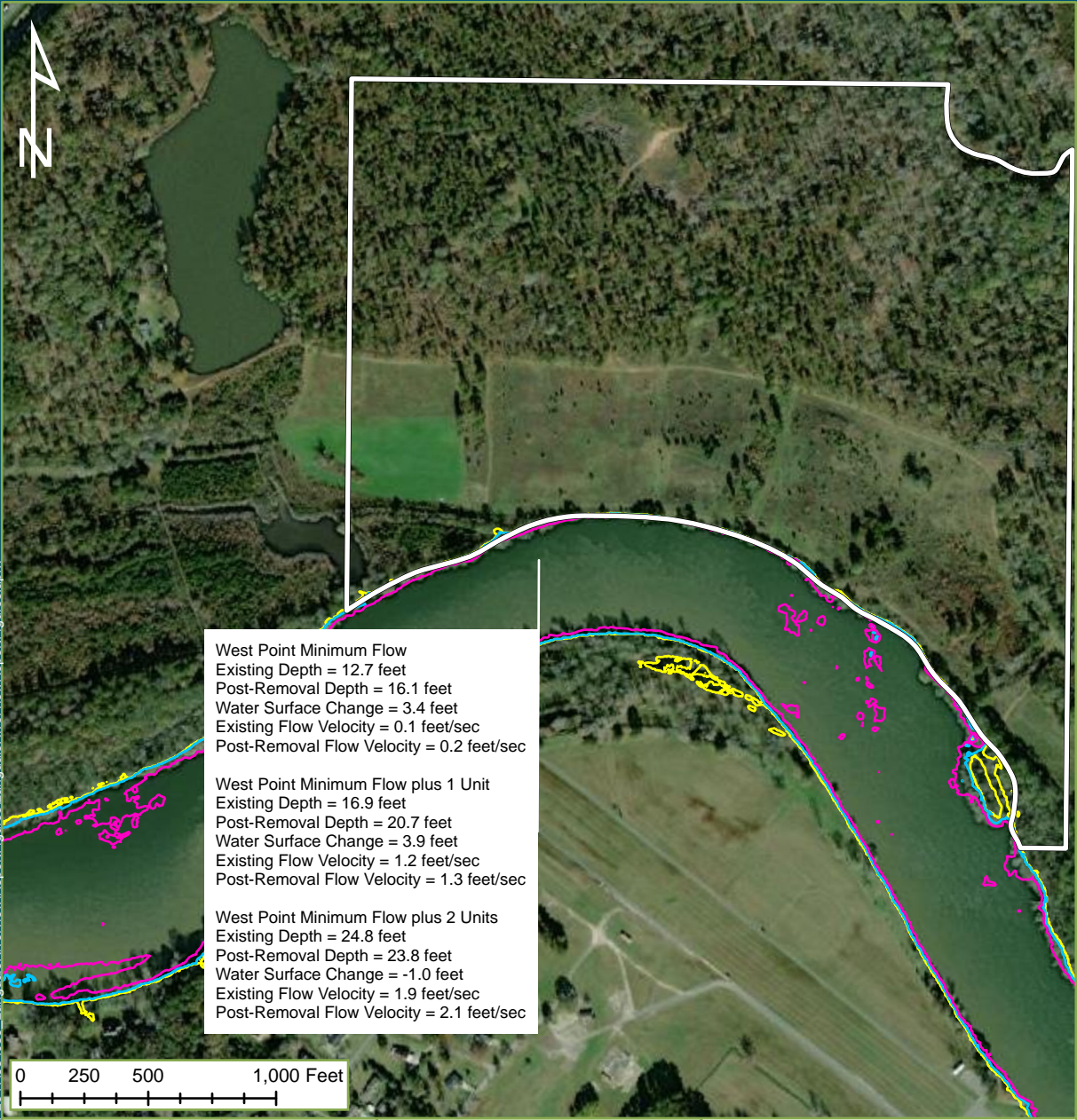
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- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
Langdale, Georgia

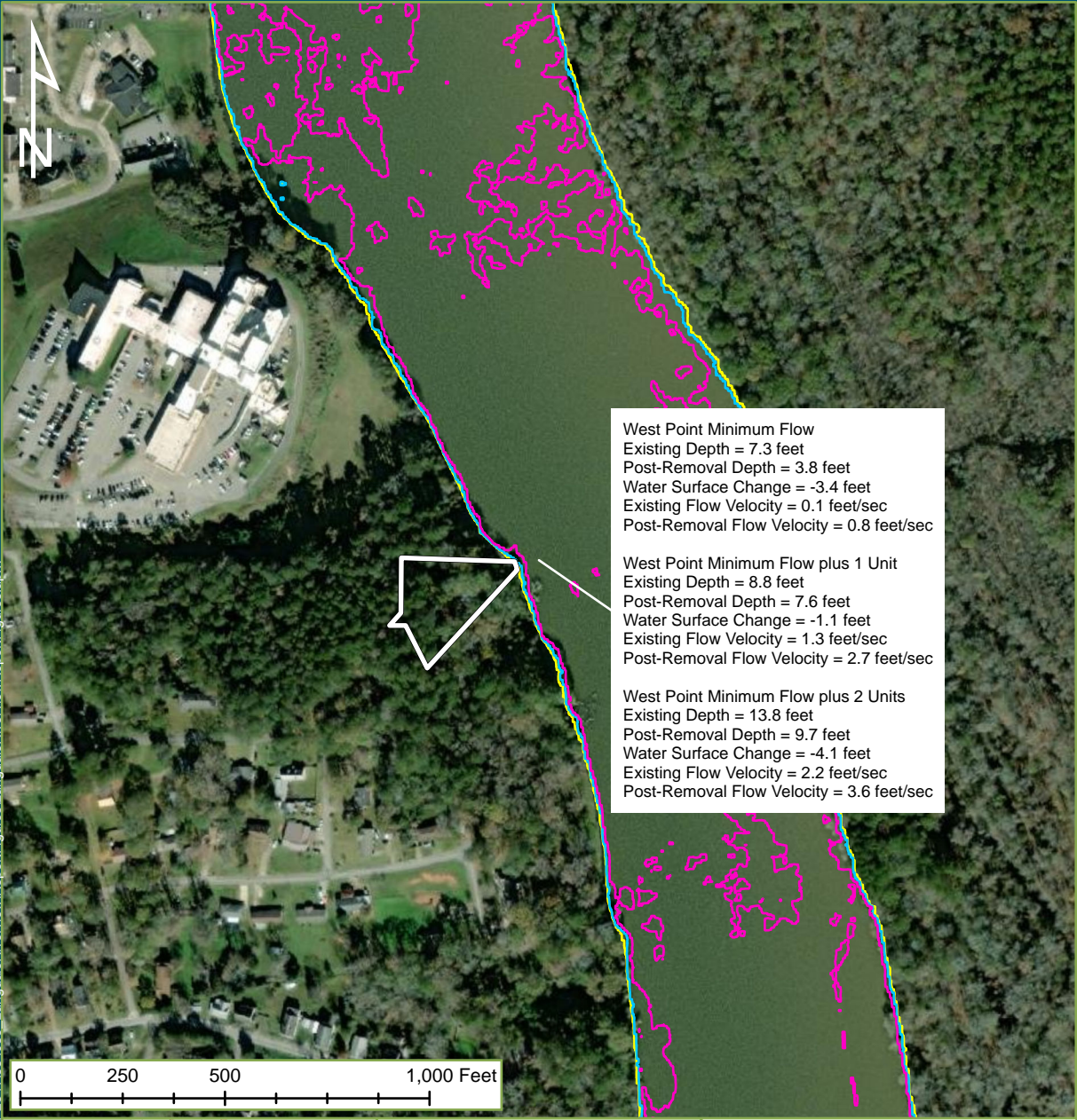
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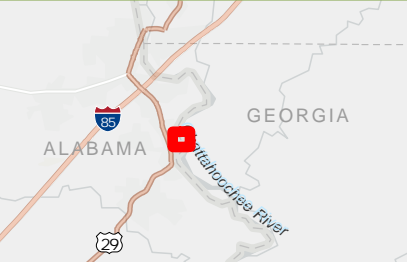
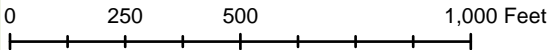
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<p>West Point Minimum Flow Existing Depth = 7.3 feet Post-Removal Depth = 3.8 feet Water Surface Change = -3.4 feet Existing Flow Velocity = 0.1 feet/sec Post-Removal Flow Velocity = 0.8 feet/sec</p>
<p>West Point Minimum Flow plus 1 Unit Existing Depth = 8.8 feet Post-Removal Depth = 7.6 feet Water Surface Change = -1.1 feet Existing Flow Velocity = 1.3 feet/sec Post-Removal Flow Velocity = 2.7 feet/sec</p>
<p>West Point Minimum Flow plus 2 Units Existing Depth = 13.8 feet Post-Removal Depth = 9.7 feet Water Surface Change = -4.1 feet Existing Flow Velocity = 2.2 feet/sec Post-Removal Flow Velocity = 3.6 feet/sec</p>



Legend

- Property Boundary
- Base Flow Inundation Boundary
- Base Flow +1 Inundation Boundary
- Base Flow +2 Inundation Boundary

Georgia Power
Langdale, Georgia

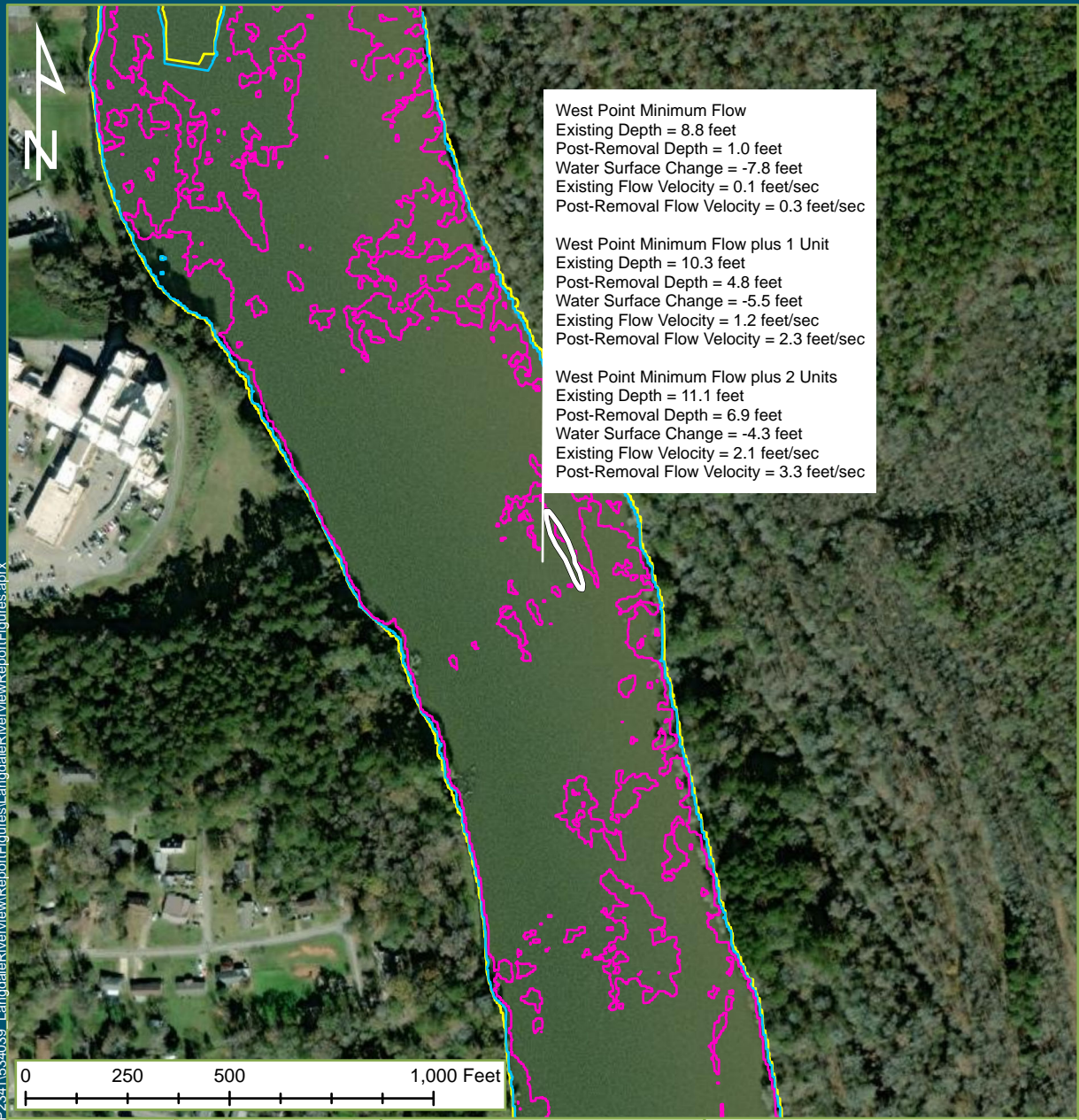
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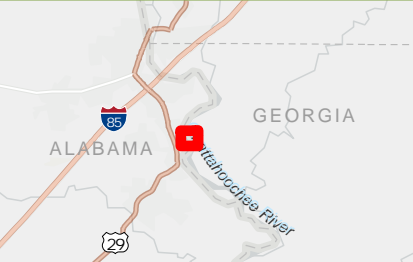
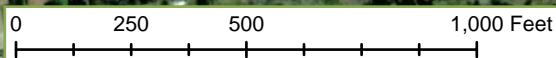


West Point Minimum Flow
 Existing Depth = 8.8 feet
 Post-Removal Depth = 1.0 feet
 Water Surface Change = -7.8 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.3 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 10.3 feet
 Post-Removal Depth = 4.8 feet
 Water Surface Change = -5.5 feet
 Existing Flow Velocity = 1.2 feet/sec
 Post-Removal Flow Velocity = 2.3 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 11.1 feet
 Post-Removal Depth = 6.9 feet
 Water Surface Change = -4.3 feet
 Existing Flow Velocity = 2.1 feet/sec
 Post-Removal Flow Velocity = 3.3 feet/sec

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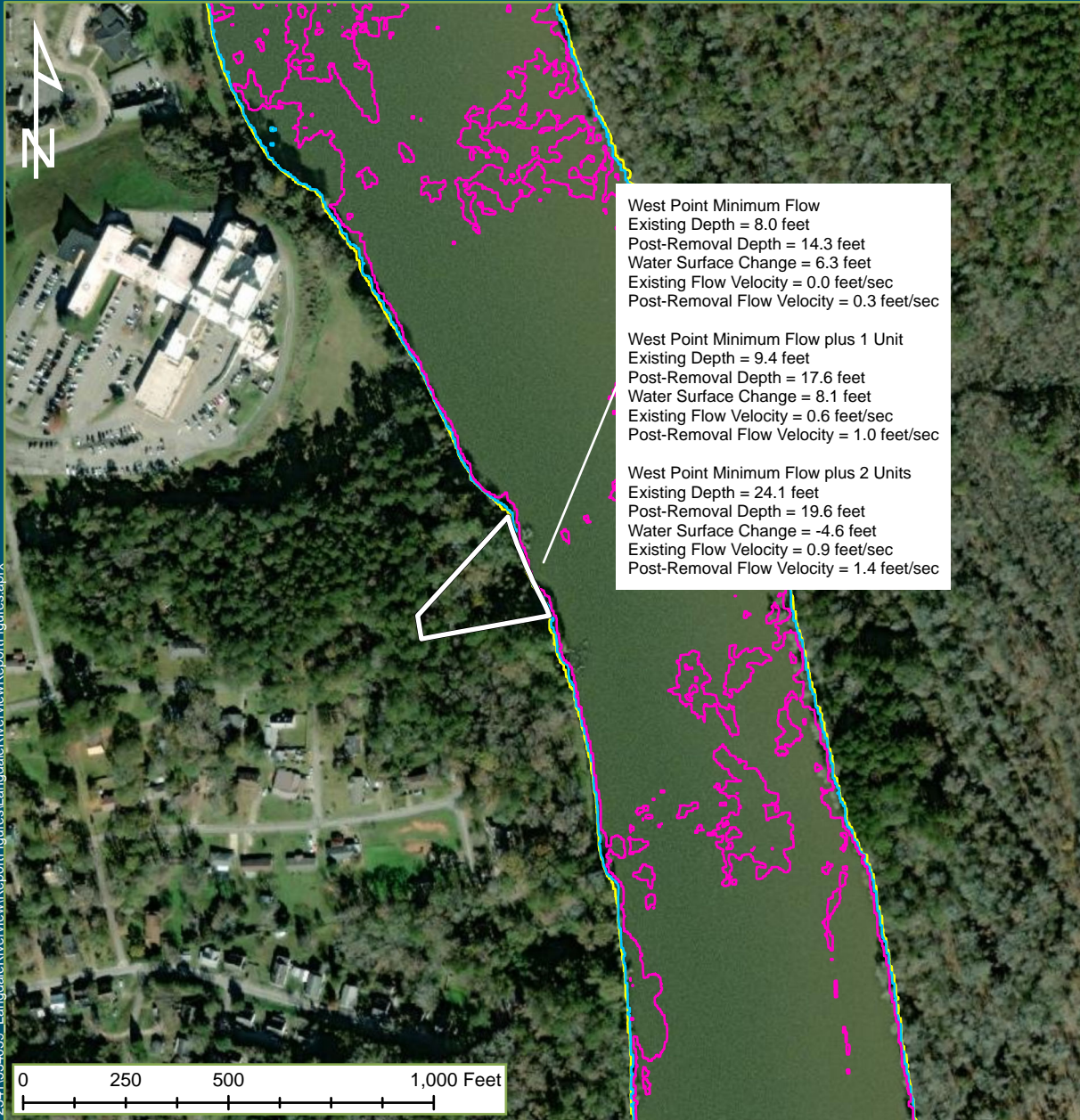
- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

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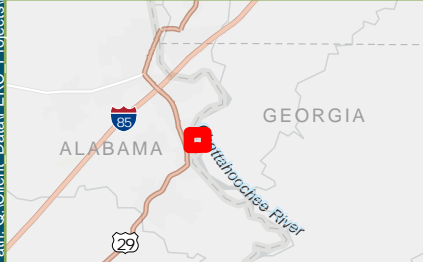
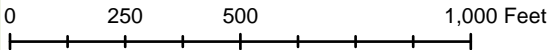
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West Point Minimum Flow
 Existing Depth = 8.0 feet
 Post-Removal Depth = 14.3 feet
 Water Surface Change = 6.3 feet
 Existing Flow Velocity = 0.0 feet/sec
 Post-Removal Flow Velocity = 0.3 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 9.4 feet
 Post-Removal Depth = 17.6 feet
 Water Surface Change = 8.1 feet
 Existing Flow Velocity = 0.6 feet/sec
 Post-Removal Flow Velocity = 1.0 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 24.1 feet
 Post-Removal Depth = 19.6 feet
 Water Surface Change = -4.6 feet
 Existing Flow Velocity = -0.9 feet/sec
 Post-Removal Flow Velocity = 1.4 feet/sec



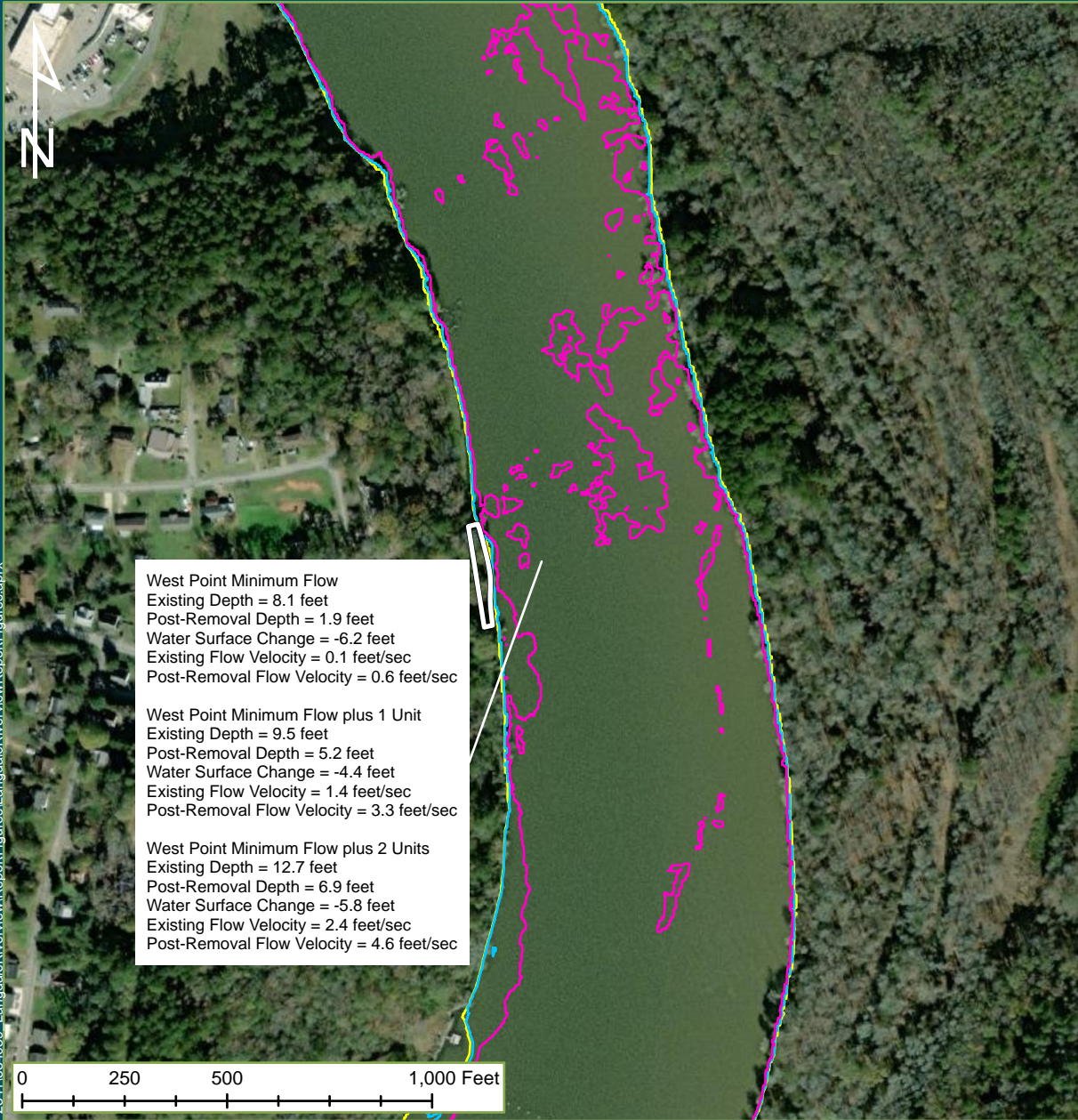
- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

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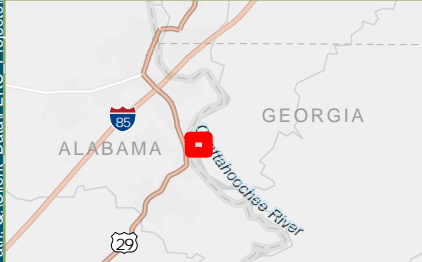
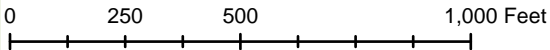
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West Point Minimum Flow
 Existing Depth = 8.1 feet
 Post-Removal Depth = 1.9 feet
 Water Surface Change = -6.2 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.6 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 9.5 feet
 Post-Removal Depth = 5.2 feet
 Water Surface Change = -4.4 feet
 Existing Flow Velocity = 1.4 feet/sec
 Post-Removal Flow Velocity = 3.3 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 12.7 feet
 Post-Removal Depth = 6.9 feet
 Water Surface Change = -5.8 feet
 Existing Flow Velocity = 2.4 feet/sec
 Post-Removal Flow Velocity = 4.6 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

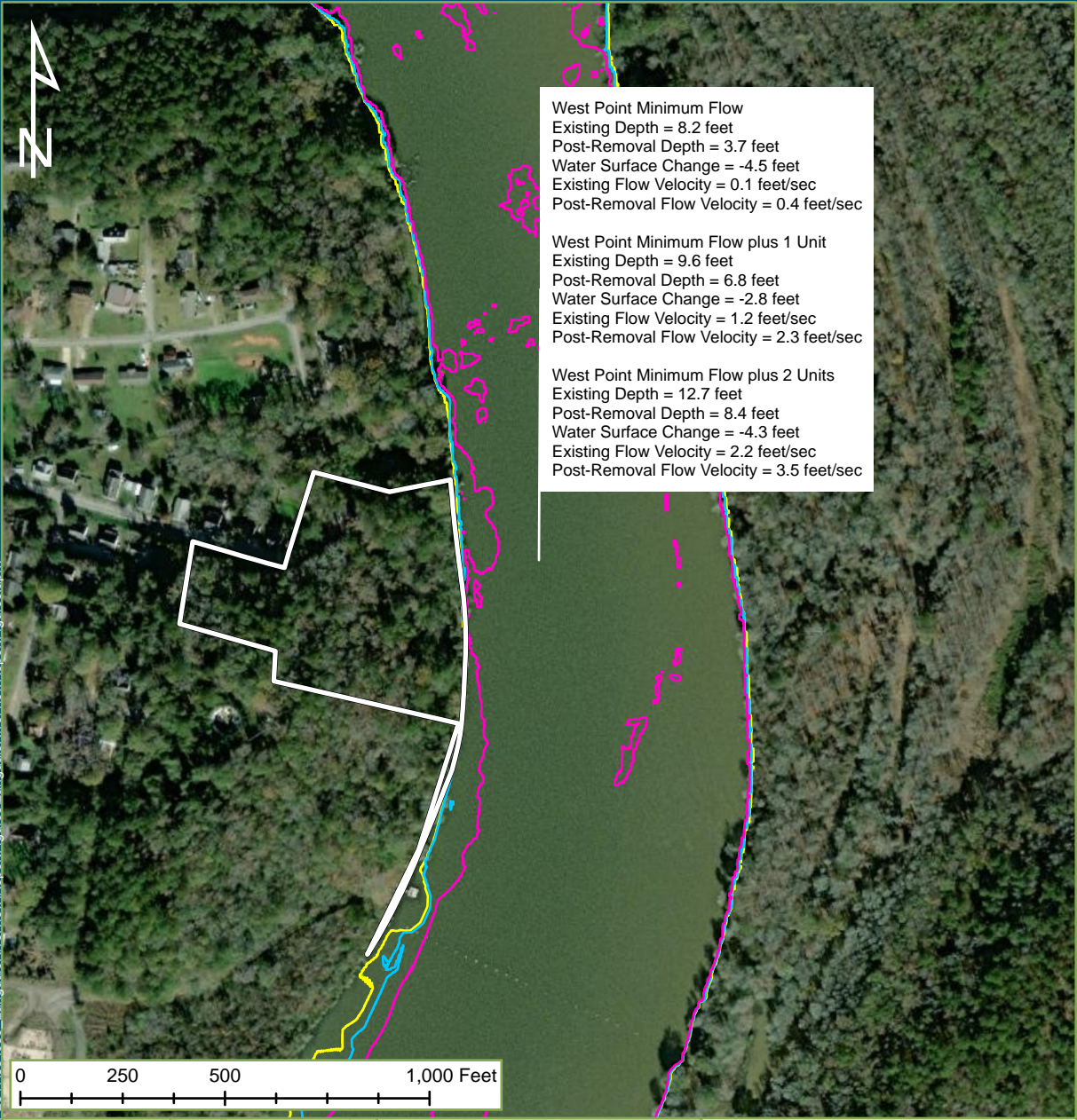
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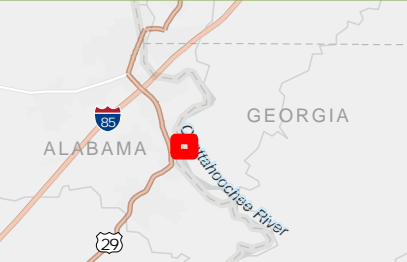


West Point Minimum Flow
 Existing Depth = 8.2 feet
 Post-Removal Depth = 3.7 feet
 Water Surface Change = -4.5 feet
 Existing Flow Velocity = 0.1 feet/sec
 Post-Removal Flow Velocity = 0.4 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 9.6 feet
 Post-Removal Depth = 6.8 feet
 Water Surface Change = -2.8 feet
 Existing Flow Velocity = 1.2 feet/sec
 Post-Removal Flow Velocity = 2.3 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 12.7 feet
 Post-Removal Depth = 8.4 feet
 Water Surface Change = -4.3 feet
 Existing Flow Velocity = 2.2 feet/sec
 Post-Removal Flow Velocity = 3.5 feet/sec

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- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

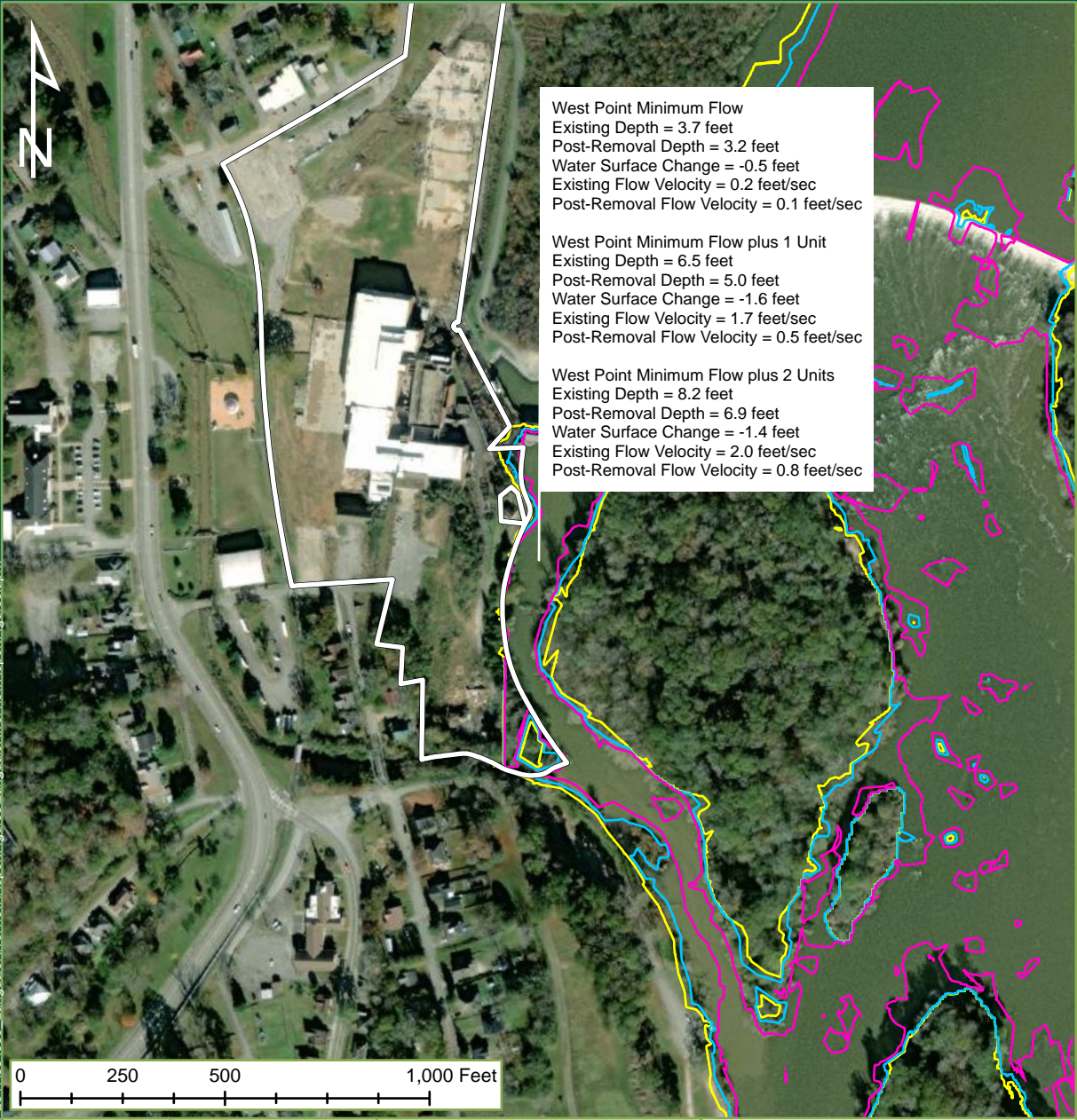
Georgia Power
 Langdale, Georgia

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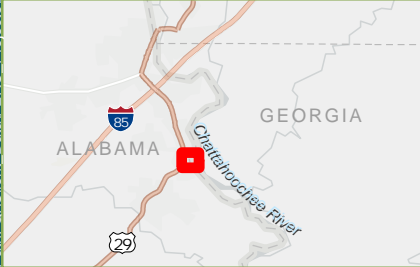
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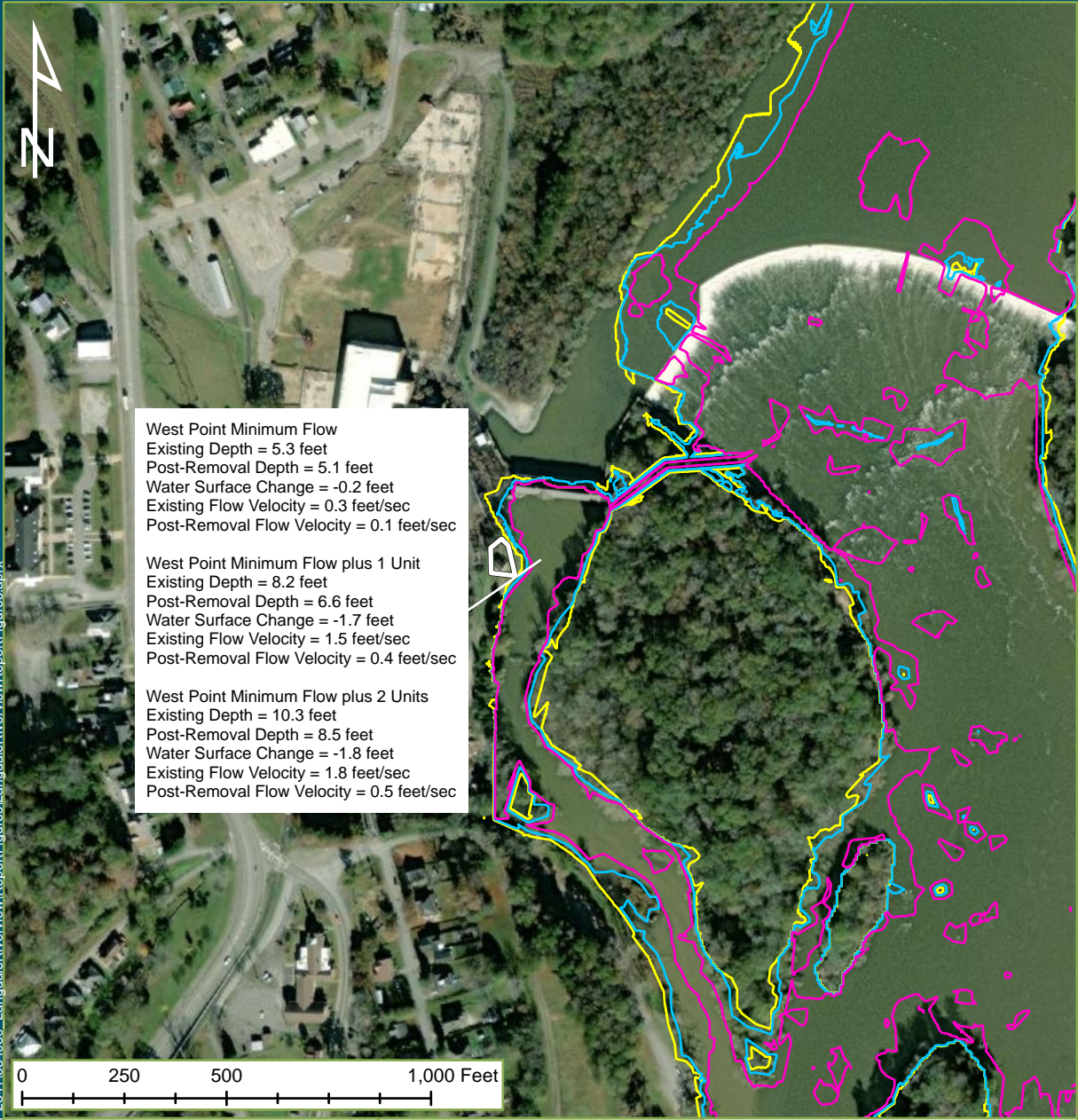
- Property Boundary
- Base Flow Inundation Boundary
- Base Flow +1 Inundation Boundary
- Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

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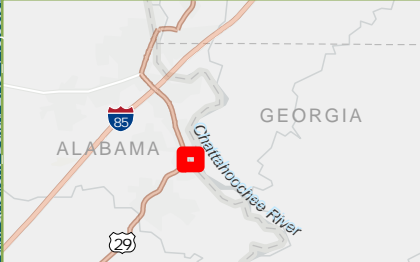
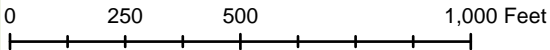


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West Point Minimum Flow
 Existing Depth = 5.3 feet
 Post-Removal Depth = 5.1 feet
 Water Surface Change = -0.2 feet
 Existing Flow Velocity = 0.3 feet/sec
 Post-Removal Flow Velocity = 0.1 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 8.2 feet
 Post-Removal Depth = 6.6 feet
 Water Surface Change = -1.7 feet
 Existing Flow Velocity = 1.5 feet/sec
 Post-Removal Flow Velocity = 0.4 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 10.3 feet
 Post-Removal Depth = 8.5 feet
 Water Surface Change = -1.8 feet
 Existing Flow Velocity = 1.8 feet/sec
 Post-Removal Flow Velocity = 0.5 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

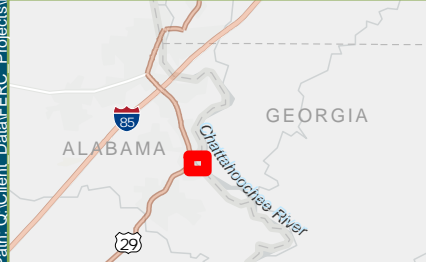
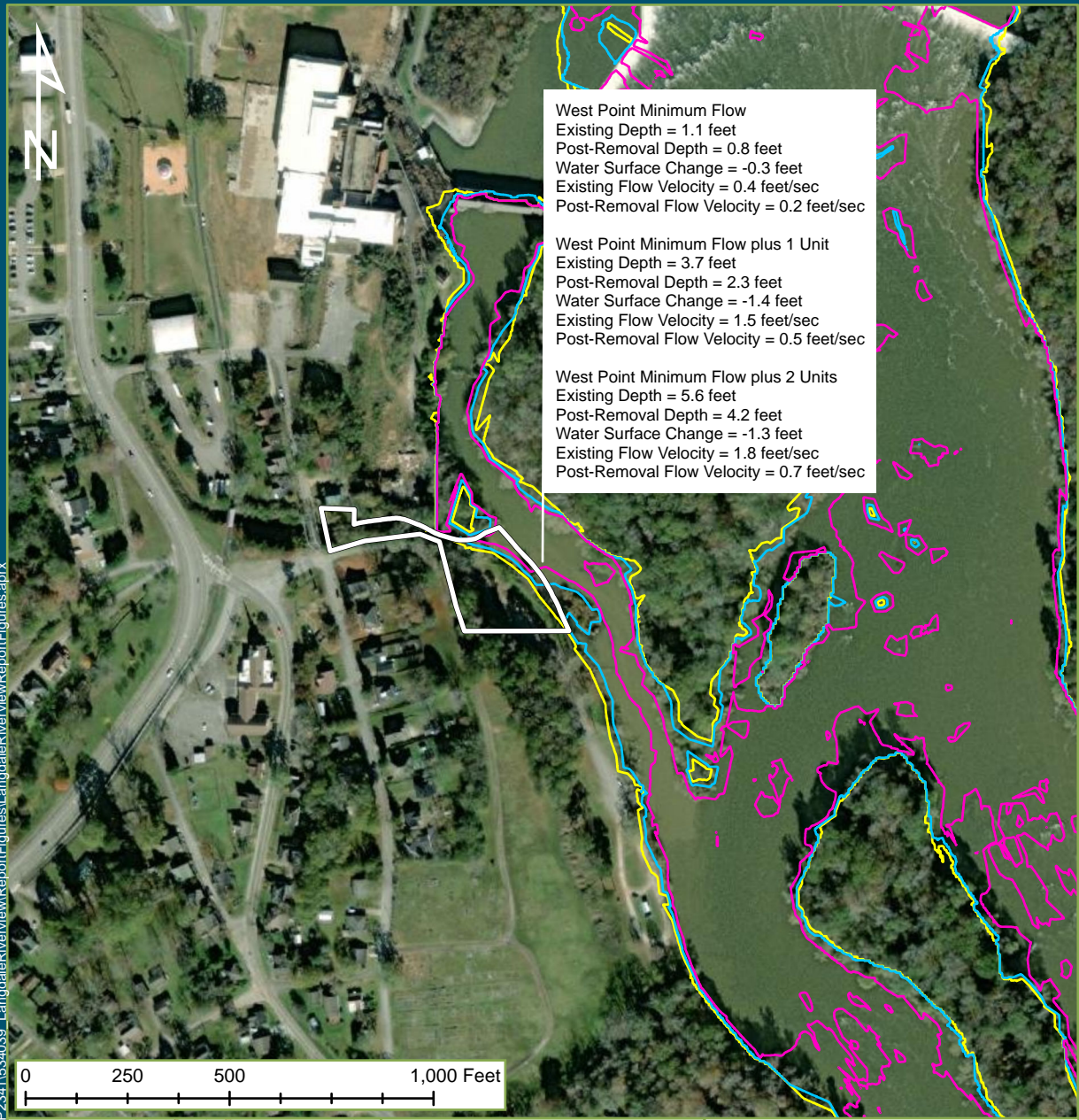
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- Property Boundary
- Base Flow Inundation Boundary
- Base Flow +1 Inundation Boundary
- Base Flow +2 Inundation Boundary

Georgia Power
Langdale, Georgia

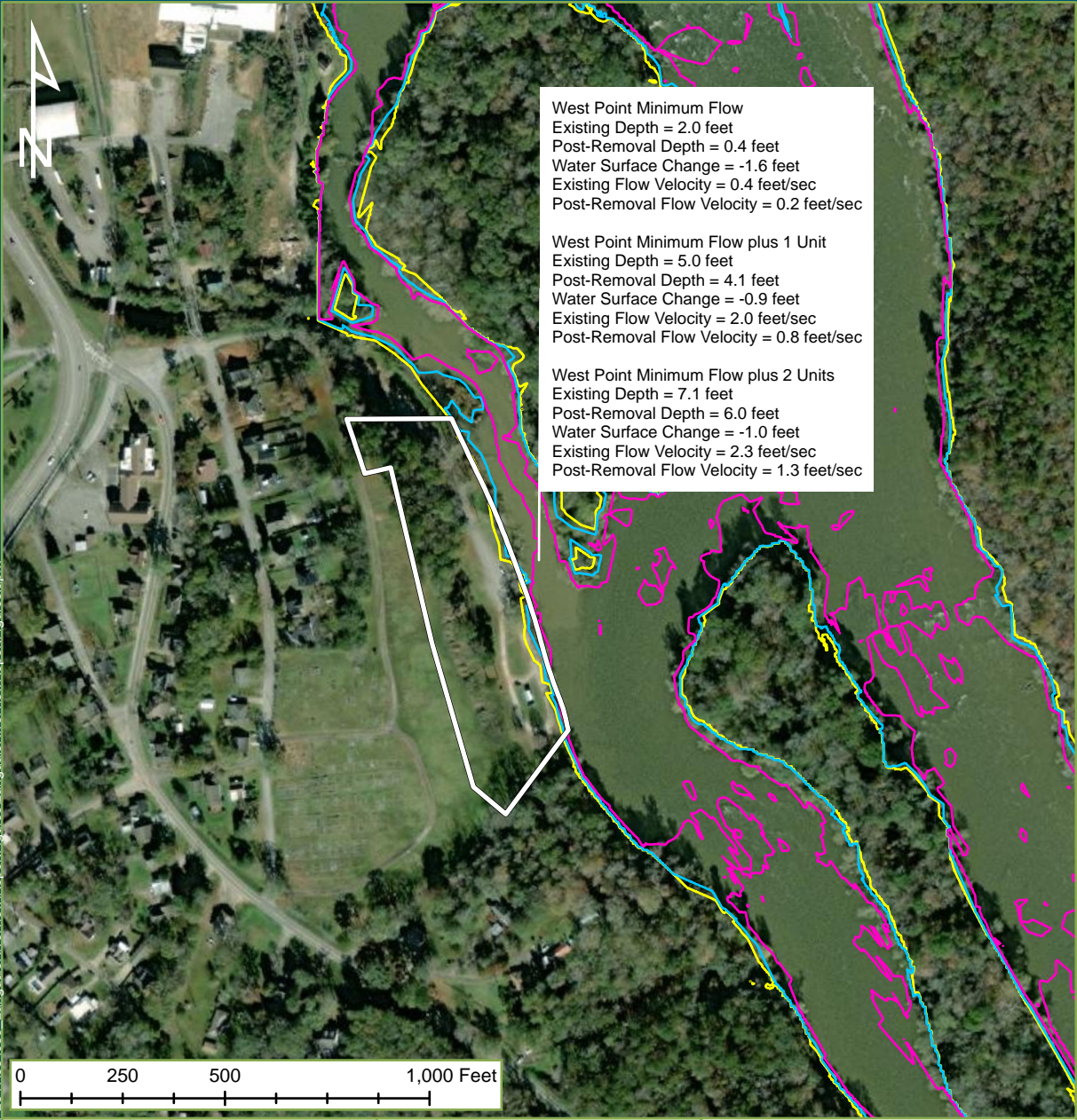
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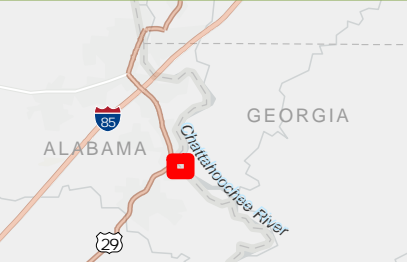
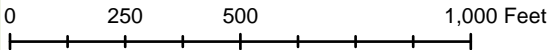
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West Point Minimum Flow
 Existing Depth = 2.0 feet
 Post-Removal Depth = 0.4 feet
 Water Surface Change = -1.6 feet
 Existing Flow Velocity = 0.4 feet/sec
 Post-Removal Flow Velocity = 0.2 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 5.0 feet
 Post-Removal Depth = 4.1 feet
 Water Surface Change = -0.9 feet
 Existing Flow Velocity = 2.0 feet/sec
 Post-Removal Flow Velocity = 0.8 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 7.1 feet
 Post-Removal Depth = 6.0 feet
 Water Surface Change = -1.0 feet
 Existing Flow Velocity = 2.3 feet/sec
 Post-Removal Flow Velocity = 1.3 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
 Langdale, Georgia

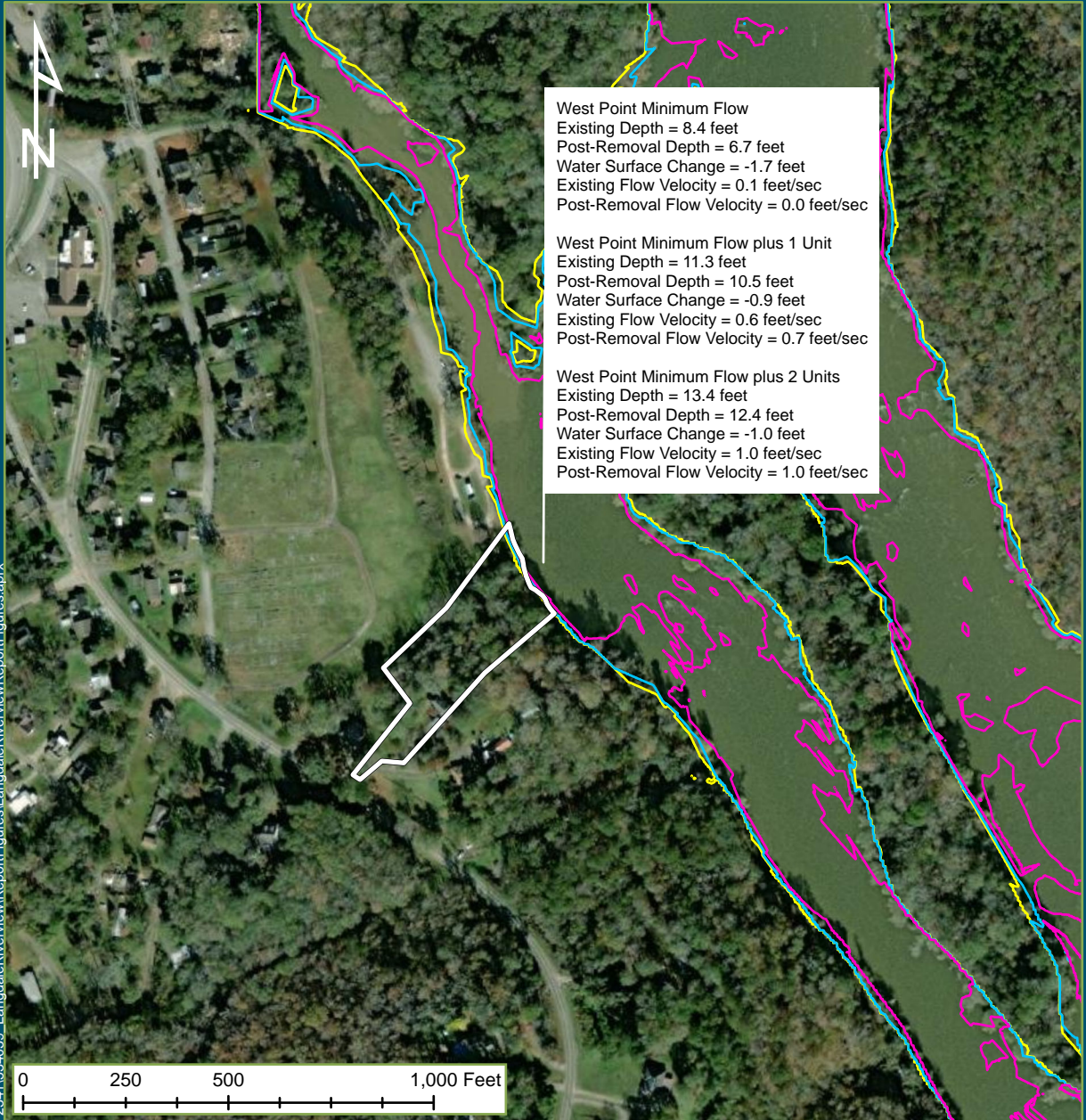
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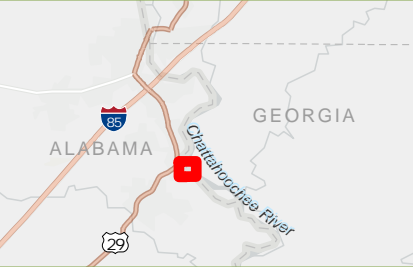
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- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

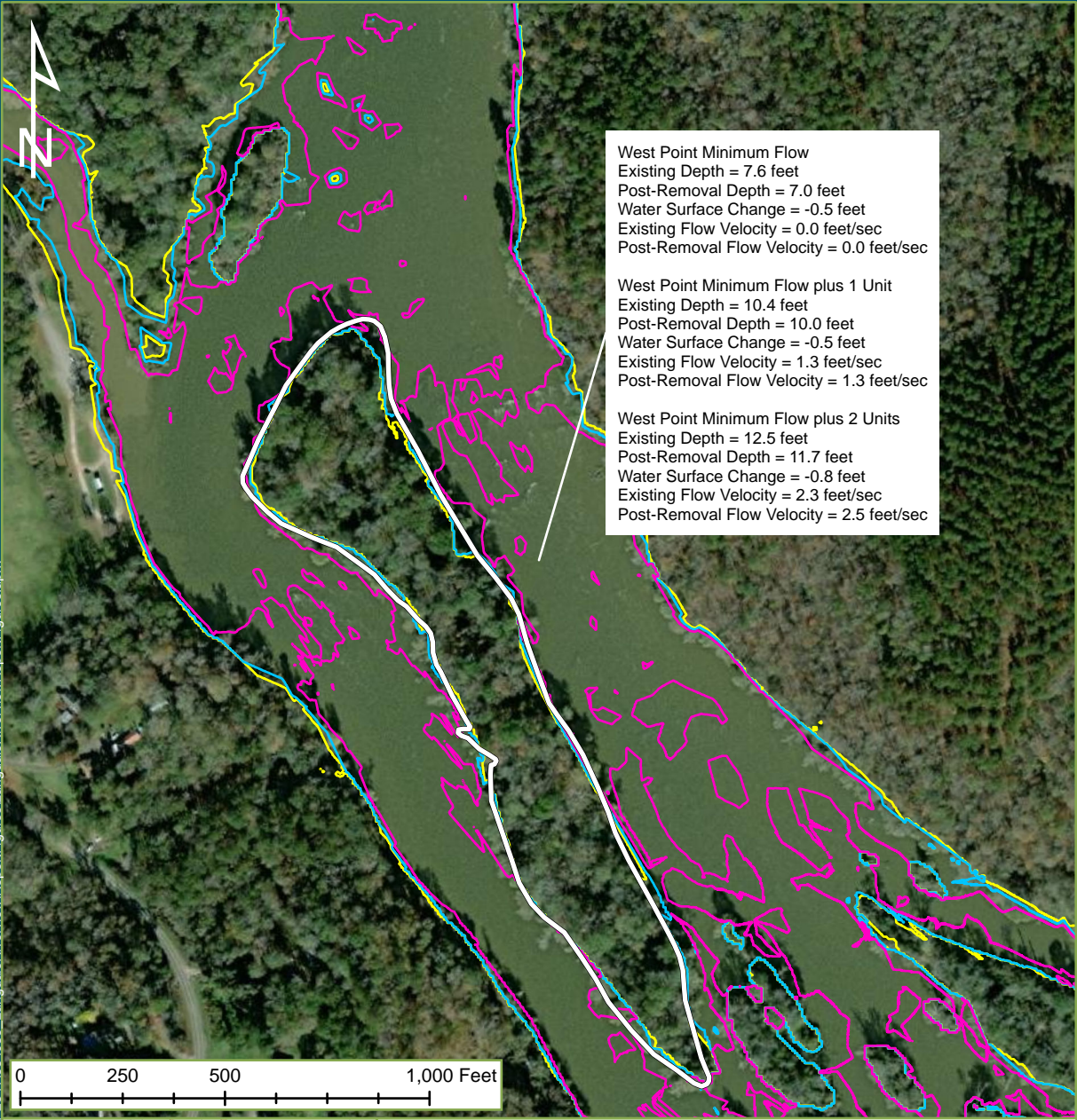
Georgia Power
Langdale, Georgia

Drawn By: ADY	Date Drawn: 05-20-2022	Checked By: KPN	Date Checked: 05-20-2022
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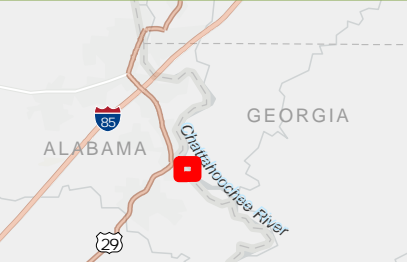
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West Point Minimum Flow
 Existing Depth = 7.6 feet
 Post-Removal Depth = 7.0 feet
 Water Surface Change = -0.5 feet
 Existing Flow Velocity = 0.0 feet/sec
 Post-Removal Flow Velocity = 0.0 feet/sec

West Point Minimum Flow plus 1 Unit
 Existing Depth = 10.4 feet
 Post-Removal Depth = 10.0 feet
 Water Surface Change = -0.5 feet
 Existing Flow Velocity = 1.3 feet/sec
 Post-Removal Flow Velocity = 1.3 feet/sec

West Point Minimum Flow plus 2 Units
 Existing Depth = 12.5 feet
 Post-Removal Depth = 11.7 feet
 Water Surface Change = -0.8 feet
 Existing Flow Velocity = 2.3 feet/sec
 Post-Removal Flow Velocity = 2.5 feet/sec



- Legend**
- Property Boundary
 - Base Flow Inundation Boundary
 - Base Flow +1 Inundation Boundary
 - Base Flow +2 Inundation Boundary

Georgia Power
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