



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
SAVANNAH DISTRICT, CORPS OF ENGINEERS
100 WEST OGLETHORPE AVENUE
SAVANNAH, GEORGIA 31401-3640

FEBRUARY 27 2015

Regulatory Division
SAS-2011-00404

JOINT PUBLIC NOTICE
Savannah District/State of Georgia

The Savannah District has received an application for a Department of the Army permit, pursuant to Section 404 of the Clean Water Act (33 United States Code 1344), as follows:

Application Number: SAS-2011-00404

Applicant: Ms. Hiral Patel, P.E.
State Environmental Administrator
Georgia Department of Transportation
Office of Environmental Services
One Georgia Center, 16th Floor, 600 W. Peachtree Street, NW
Atlanta, Georgia 30308-3607

Location of Proposed Work: The project corridor is on State Route (SR) 10/SR 17/ U.S. Highway (U.S. Hwy) 78 from SR 43 in McDuffie County to SR 80 in Wilkes County. Total length of the proposed project is approximately 17 miles. The project begins at Latitude 33.5432, Longitude -82.5087, and ends at Latitude 33.6989, Longitude -82.6885. The project is located in the Little River Watershed, Hydrologic Unit Code (HUC) 03060105.

Description of Work Subject to the Jurisdiction of the U.S. Army Corps of Engineers: The proposed project, EDS00-0545-00(040), (053), BRN00-0014-01(073), BRN00-0014-01(074), PI Nos 222250, 222255, 227815, and 227816, would widen the existing highway to four, 12-foot lanes with a 44-foot depressed grassed median from the project origin to approximately 1.7 miles north of Little River. From there the widening would continue with a 14-foot flush median and extend to the project terminus at the Washington Bypass. The proposed Right-Of-Way (ROW) varies from 150 to 250 feet in width. Projects BRN00-0014-01(073), (074) consist of replacing the existing Hart Creek and Big Creek (Clarks Hill Lake) bridges along SR 17/US 78.

Approximately 1,810 linear feet of perennial and intermittent streams and approximately 1.55 acres of wetland, open waters, and ephemeral channels will be permanently impacted and approximately 1.14 acres of wetland will be temporarily impacted. Compensatory mitigation requirements total 8,510.6 stream mitigation credits and 16.18 wetland mitigation credits. These credits may be withdrawn from a U.S. Army Corps of Engineers approved mitigation bank that serves the Little River watershed (HUC 03060105). Per the Corps Regulatory In lieu fee Bank Information Tracking System (RIBITS) database on December 8, 2014, the banks in the primary service area with available credits include Butler Creek, Little River, Mason Branch, and Wahachee Creek. There are no banks in the primary service area with wetland credits. The only banks in the secondary service area are Goat Farm and Middle Oconee Mitigation Banks. However, there are not credits to purchase to meet the needs for this project. Therefore, depending on the number of wetland credits available at the time of purchase, the Department is requesting approval to purchase all or any remaining wetland credits through the Georgia Land Trust In-Lieu Fee Program.

BACKGROUND

This Joint Public Notice announces a request for authorizations from both the Corps and the State of Georgia. The applicant's proposed work may also require local governmental approval.

This project is federally funded and the Federal Highway Administration (FHWA) is the lead federal agency responsible for coordination and consultation under Section 7(a)(2) of the Endangered Species Act and Section 106 of the National Historic Preservation Act of 1966, as amended.

The wetland boundaries shown on the project drawings have not yet been verified by the Corps. If the Corps determines that the boundaries of the wetlands/waters are substantially inaccurate, a new public notice may be published.

STATE OF GEORGIA

Water Quality Certification: The Georgia Department of Natural Resources, Environmental Protection Division, intends to certify this project at the end of 30 days in accordance with the provisions of Section 401 of the Clean Water Act, which is required for a Federal Permit to conduct activity in, on, or adjacent to the waters of the State of Georgia. Copies of the application and supporting documents relative to a specific application will be available for review and copying at the office of the Georgia Department of Natural Resources, Environmental Protection Division, Water Protection Branch, 4220 International Parkway, Suite 101, Atlanta, Georgia 30354, during regular office hours. A copier machine is available for public use at a charge of 25 cents per page. Any person who desires to comment, object, or request a public hearing relative to State Water Quality Certification must do so within 30 days of the State's receipt of application in writing and state the reasons or basis of objections or request for a

hearing. The application can be reviewed in the Savannah District, U.S. Army Corps of Engineers, Regulatory Division, 100 West Oglethorpe Avenue Savannah, Georgia 31401-3640.

State-owned Property and Resources: The applicant may also require assent from the State of Georgia, which may be in the form of a license, easement, lease, permit or other appropriate instrument.

U.S. ARMY CORPS OF ENGINEERS

The Savannah District must consider the purpose and the impacts of the applicant's proposed work, prior to a decision on issuance of a Department of the Army permit.

Cultural Resources Assessment: The FHWA has reviewed this project in accordance with Section 106 of the National Historic Preservation Act of 1966. In compliance with Section 106, Georgia Department of Transportation (GDOT) surveyed the project area for historic and archeological resources, including those on or eligible for listing on the National Register of Historic Places (NRHP). The corridor has been surveyed multiple times during the life of the project. Based on the current alignment and all surveys to date, 10 historic resources and two archaeological resources are located in the Area of Potential Effect (APE) of the project for a total of 12 resources. These resources are listed as follows: the Pinehill Firetower, the Burdette Barn, Fernacres Farm, Property #20, the Madden Property, the James Crosby House, the Clifford Shank House, the Kortrey House, the William Leverett House, the Reverend West Cemetery, Site 9WS29, and Site 9MF38. The State Historic Preservation Office (SHPO) concurred with these determinations of eligibility. The SHPO also concurred with the finding of no effect for Site 9MS29 and the Reverend West Cemetery; Conditional No Adverse Effect to Site 9MF38; No Adverse Effect for Pinehill Firetower, Fernacres Farm, Property #20, the Madden Property, the James Crosby House, the Clifford Shank House, the Kortrey House, and the William Leverett House; and an adverse effect to the Burdette Barn. Per the condition set forth in the 2006 Memorandum of Agreement (MOA) between SHPO, GDOT, and FHWA, data recovery of Site 9MF38 was implemented according to the research design contained in Appendix D of the September 1997 effects report. Additionally, a landscape plan was designed, approved by SHPO, and incorporated into the construction plans as mitigation for the adverse effect to the Burdette Barn per the 2006 MOA.

Section 106 is complete for the subject project but for the outstanding archaeological survey of recent changes within the APE requiring an Archaeological Resources Protection Act (ARPA) permit. That survey will be completed upon receipt of the ARPA permit anticipated before the end of February 2015.

The FHWA, as lead federal agency for this proposed road improvement project, has responsibility to ensure that the project complies with Section 106 of the National Historic Preservation Act of 1966 and subsequent amendments. Also, if cultural resources are identified on the project site, FHWA would be required to complete coordination/consultation pursuant to Section 106 of the NHPA. Based on this, the Corps did not make an effect determination with regards to Section 106 of the NHPA for the proposed project.

Endangered Species: The FHWA, the lead federal agency, has reviewed this project in accordance with Section 7 of the Endangered Species Act (ESA). Based on review of the Georgia Department of Natural Resources (Georgia DNR) and U.S. Fish and Wildlife Service (USFWS) databases, current federally listed species within McDuffie and Wilkes Counties include the federal candidate gopher tortoise (*Gopherus polyphemus*), federally threatened little amphianthus (*Amphianthus pusillus*), federally endangered Michaux's sumac (*Rhus michauxii*), and the federally endangered relict trillium (*Trillium reliquum*). Surveys for these protected species were completed in March 2014, and findings concluded that there is no habitat present for the gopher tortoise, Michaux's sumac, or little amphianthus; therefore, this project would have "no effect" on these species. Potential habitat was observed for the relict trillium but no individuals were observed during surveys; therefore the project "may affect, but is not likely to adversely affect this species. The FHWA initiated Informal Section 7 for federally listed species on December 19, 2014. Concurrence from USFWS for effects to federally listed species was received on January 8, 2015.

FHWA initiated Informal Section 7 on May 4, 2006 stating the project "may affect, but is not likely to adversely affect" the bald eagle (*Haliaeetus leucocephalus*), which has since be delisted from the Endangered Species Act but is still protected under the Bald and Golden Eagle Protection Act, and the determination letter also stated that the project would have no significant adverse effect on the Georgia aster (*Symphotrichum georgianum*), then listed as a federal candidate species. In a letter dated July 3, 2006, USFWS concurred with the "not likely to adversely affect" the bald eagle; however, USFWS stated that they did not concur with the finding of "no effect" for the Georgia aster and recommended further sampling. In a letter dated June 13, 2012, GDOT requested no "take" of species covered under the Bald and Golden Eagle Protection Act, no signification adverse effect for the federal candidate Georgia aster, and stated that two populations of Georgia aster would be relocated. The Georgia aster has since been removed from the Endangered Species List as a candidate species.

The FHWA, as lead federal agency for this proposed action, would meet all lead federal agency responsibilities pursuant to Section 7 of the ESA. Therefore, the Corps did not make an effects determination with regard to Section 7 of the ESA for the proposed project.

Public Interest Review: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and in general, the needs and welfare of the people.

A copy of the Environmental Assessment approved by the FHWA for the subject project is available for review at the Federal Highway Administration, Atlanta Federal Center, 61 Forsyth Street, SW., Suite 17th Floor, Atlanta, Georgia 30303-8821 and GDOT's Office of Environmental Services, One Georgia Center, 16th Floor, 600 West Peachtree Street, NW, Atlanta, Georgia 30808-3607.

Consideration of Public Comments: The Corps is soliciting comments from the public; federal, state, and local agencies and officials; Native American Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Application of Section 404(b)(1) Guidelines: The proposed activity involves the discharge of dredged or fill material into the waters of the United States. The Savannah District's evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under the authority of Section 404(b) of the Clean Water Act.

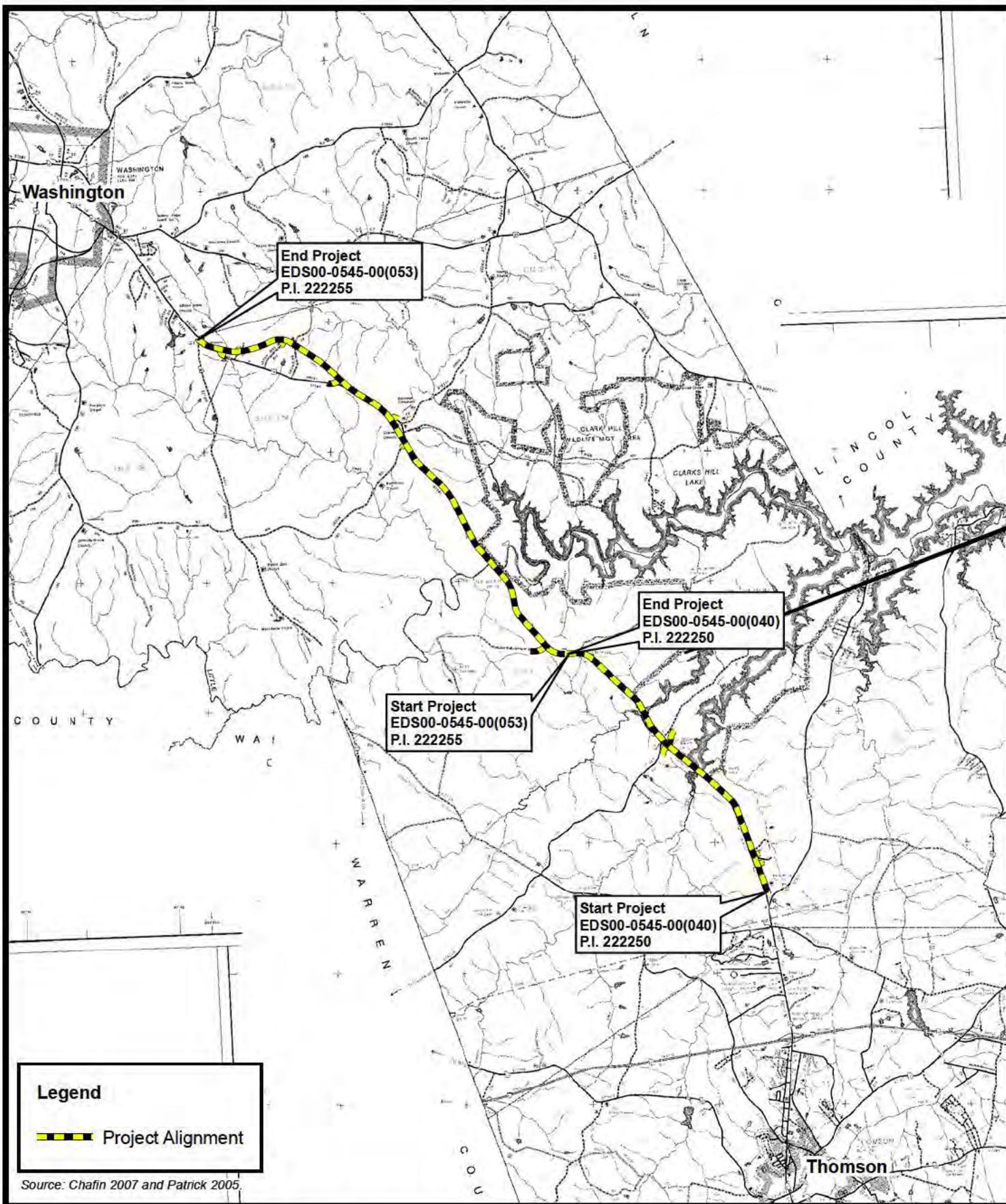
Public Hearing: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application for a Department of the Army permit. Requests for public hearings shall state, with particularity, the reasons for requesting a public hearing. The decision whether to hold a public hearing is at the discretion of the District Engineer, or his designated appointee, based on the need for additional substantial information necessary in evaluating the proposed project.

Comment Period: Anyone wishing to comment on this application for a Department of the Army permit should submit comments in writing to the Commander, U.S. Army Corps of Engineers, Savannah District, Attention: Mr. William M. Rutlin, 100 West Oglethorpe Avenue Savannah, Georgia 31401-3640, no later than 30 days from the date of this notice. Please refer to the applicant's name and the application number in your comments.

If you have any further questions concerning this matter, please contact Mr. William M. Rutlin, Project Manager, Coastal Branch at 912-652-5893.

**3 Encls

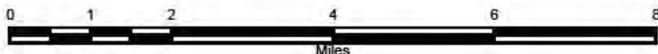
1. Project Vicinity Map
2. State and Federal Waters Map (19 pages)
3. Waters Impact Tables (4 pages)



50506-124-22250

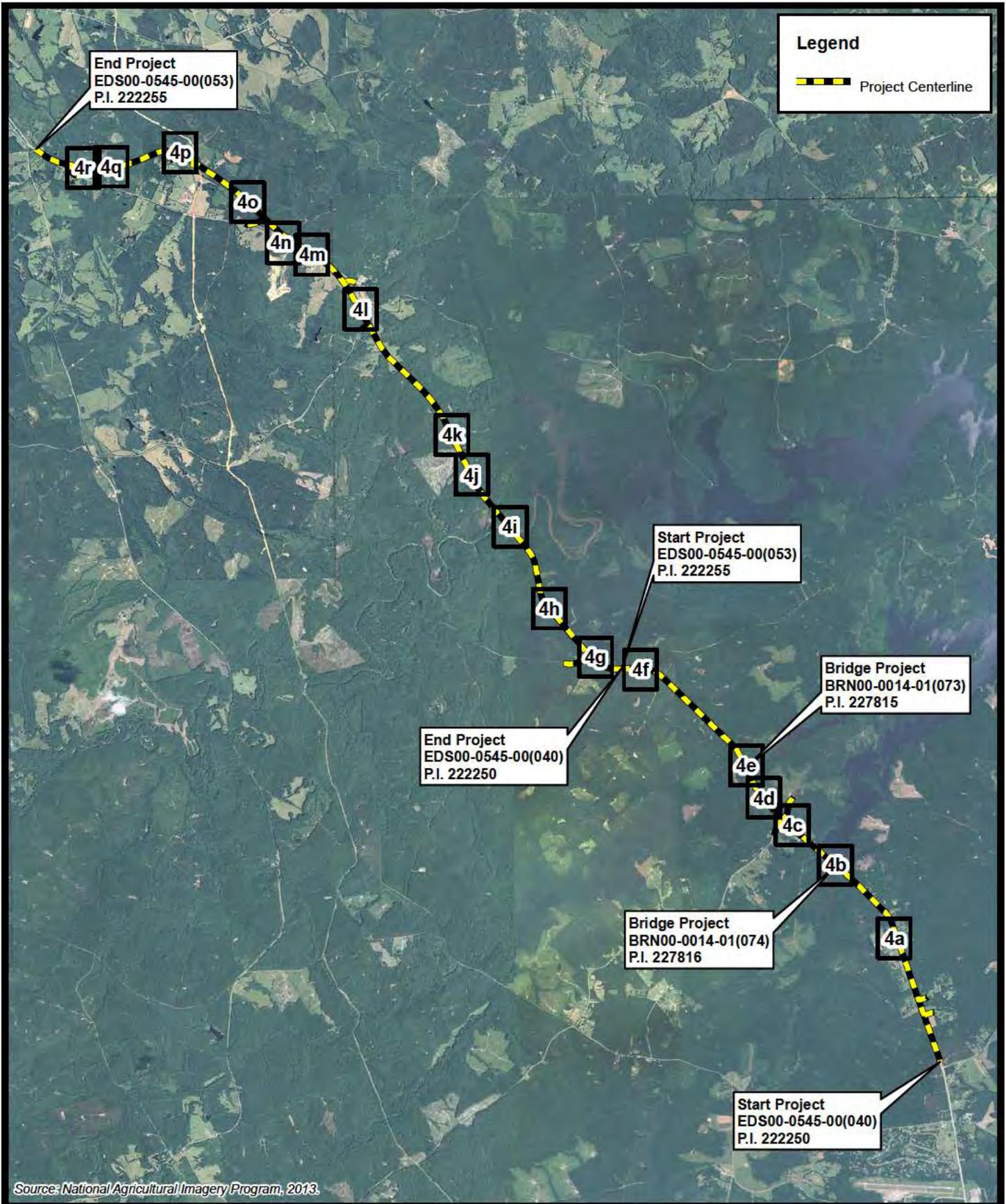


FIGURE 1: Project Vicinity Map

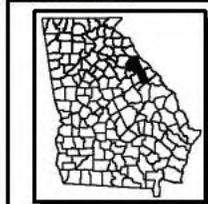


EDS00-0545-00(040), EDS00-0545-00(053),
 BRN00-0014-01(073), BRN00-0014-01(074)
 P.I. No. 222250, 222255, 227815, 227816
 Widening and Reconstruction of
 State Route 10/SR 17/U.S. 78
 From SR 43 to the Washington Bypass





50508-095_del3.mxd



**FIGURE 4: State and Federal Waters
 Map Index**



EDS00-0545-00(040), EDS00-0545-00(053),
 BRN00-0014-01(073), BRN00-0014-01(074)
 P.I. No. 222250, 222255, 227815, 227816
 Widening and Reconstruction of
 State Route 10/SR 17/U.S. 78
 From SR 43 to the Washington Bypass





50506-095 del3a.mxd

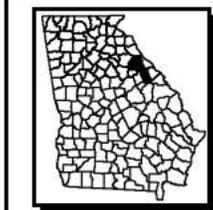
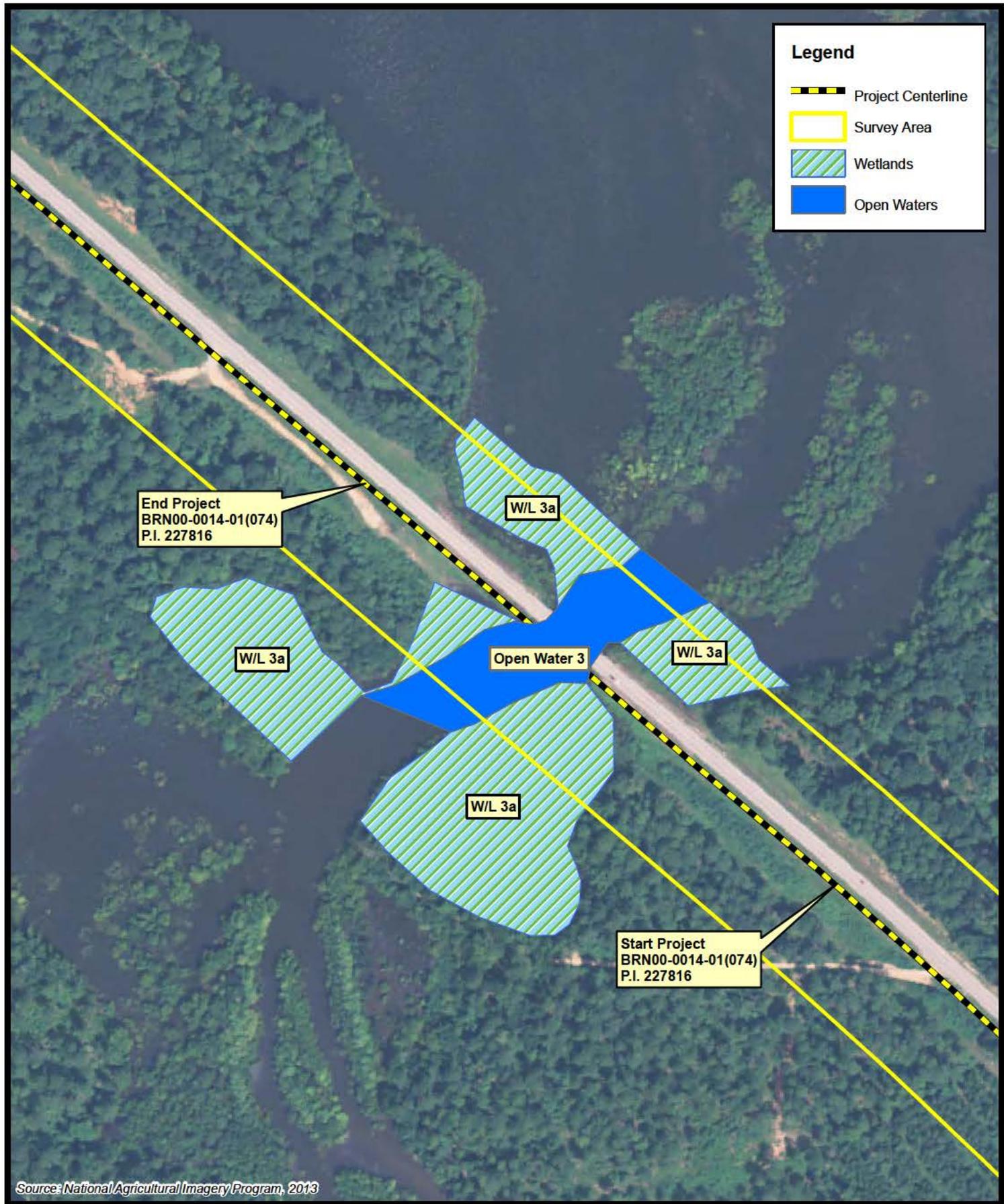


FIGURE 4a: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
BRN00-0014-01(073), BRN00-0014-01(074)
P.I. No. 222250, 222255, 227815, 227816
Widening and Reconstruction of
State Route 10/SR 17/U.S. 78
From SR 43 to the Washington Bypass





50506-095 del3b.mxd

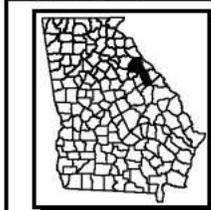
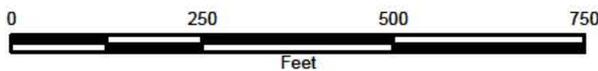
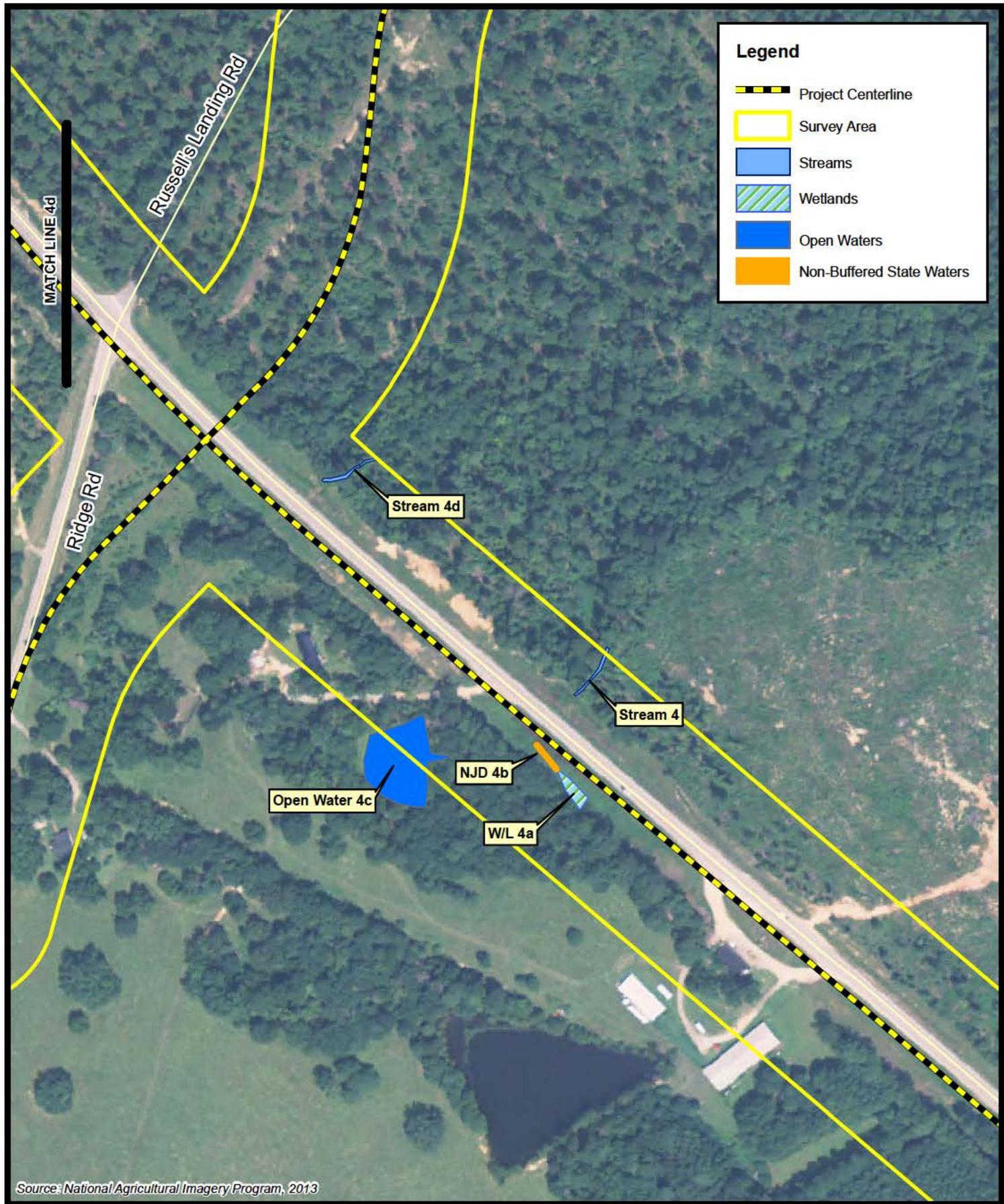


FIGURE 4b: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
BRN00-0014-01(073), BRN00-0014-01(074)
P.I. No. 222250, 222255, 227815, 227816
Widening and Reconstruction of
State Route 10/SR 17/U.S. 78
From SR 43 to the Washington Bypass





50506-095 del3c.mxd

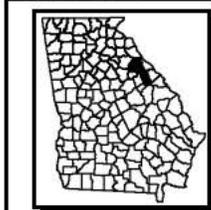
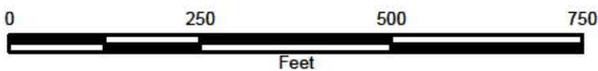
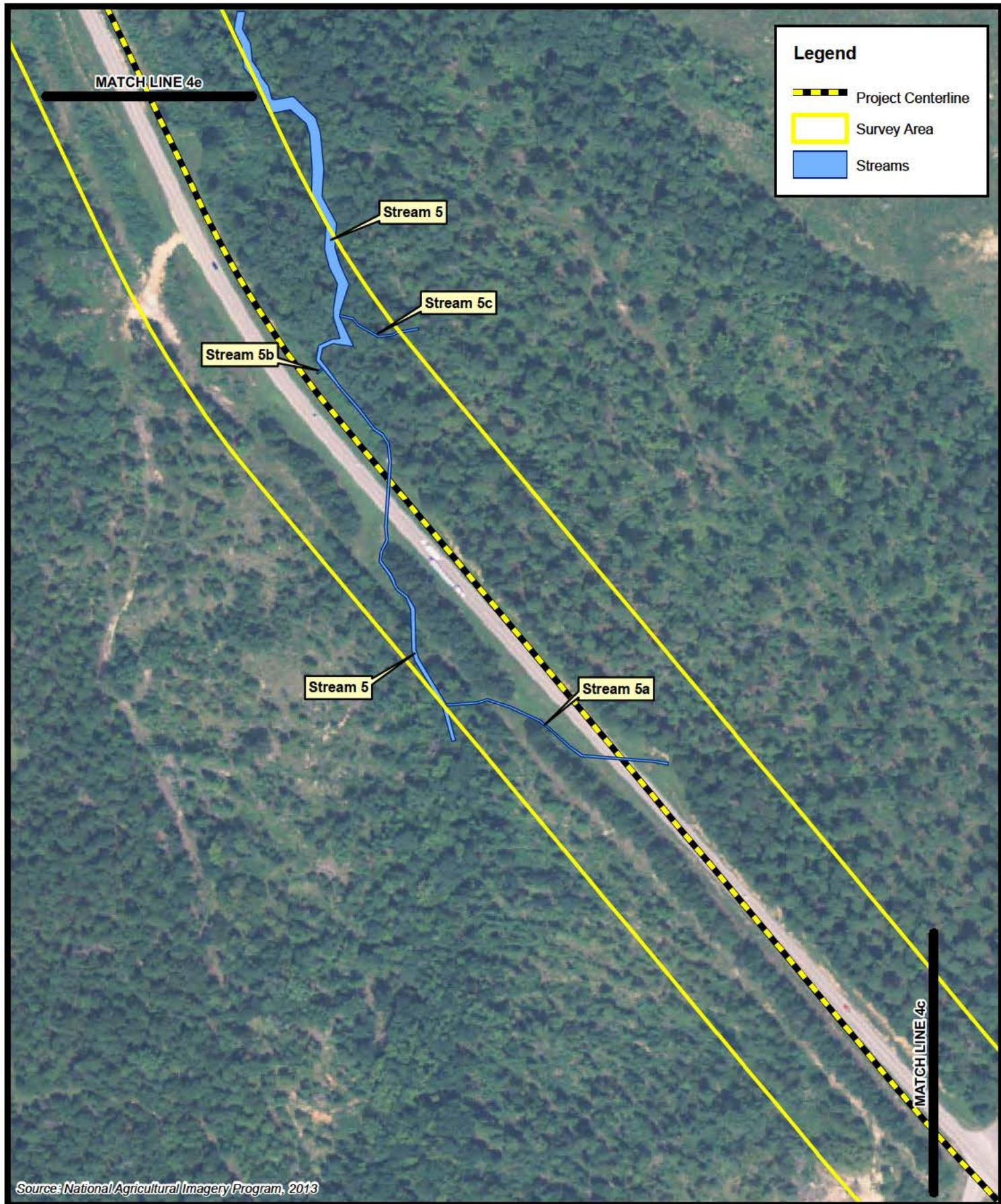


FIGURE 4c: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
BRN00-0014-01(073), BRN00-0014-01(074)
P.I. No. 222250, 222255, 227815, 227816
Widening and Reconstruction of
State Route 10/SR 17/U.S. 78
From SR 43 to the Washington Bypass





Source: National Agricultural Imagery Program, 2013

50506-095 del3d.mxd

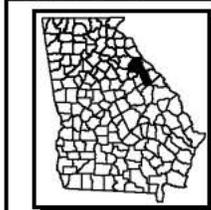
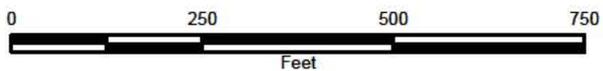
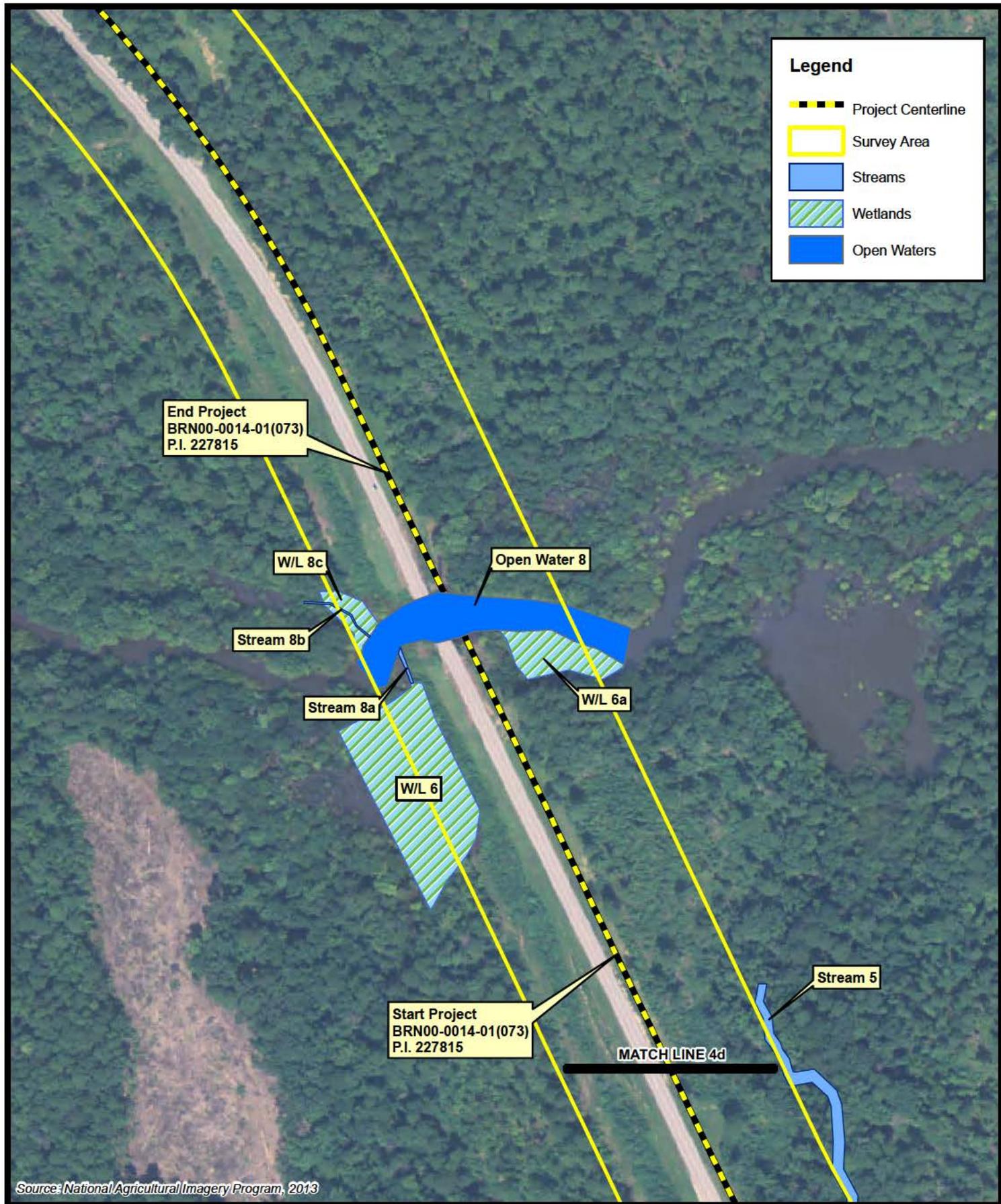


FIGURE 4d: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
 BRN00-0014-01(073), BRN00-0014-01(074)
 P.I. No. 222250, 222255, 227815, 227816
 Widening and Reconstruction of
 State Route 10/SR 17/U.S. 78
 From SR 43 to the Washington Bypass





50506-095 del3e.mxd

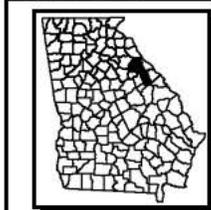
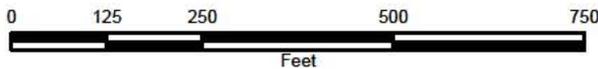
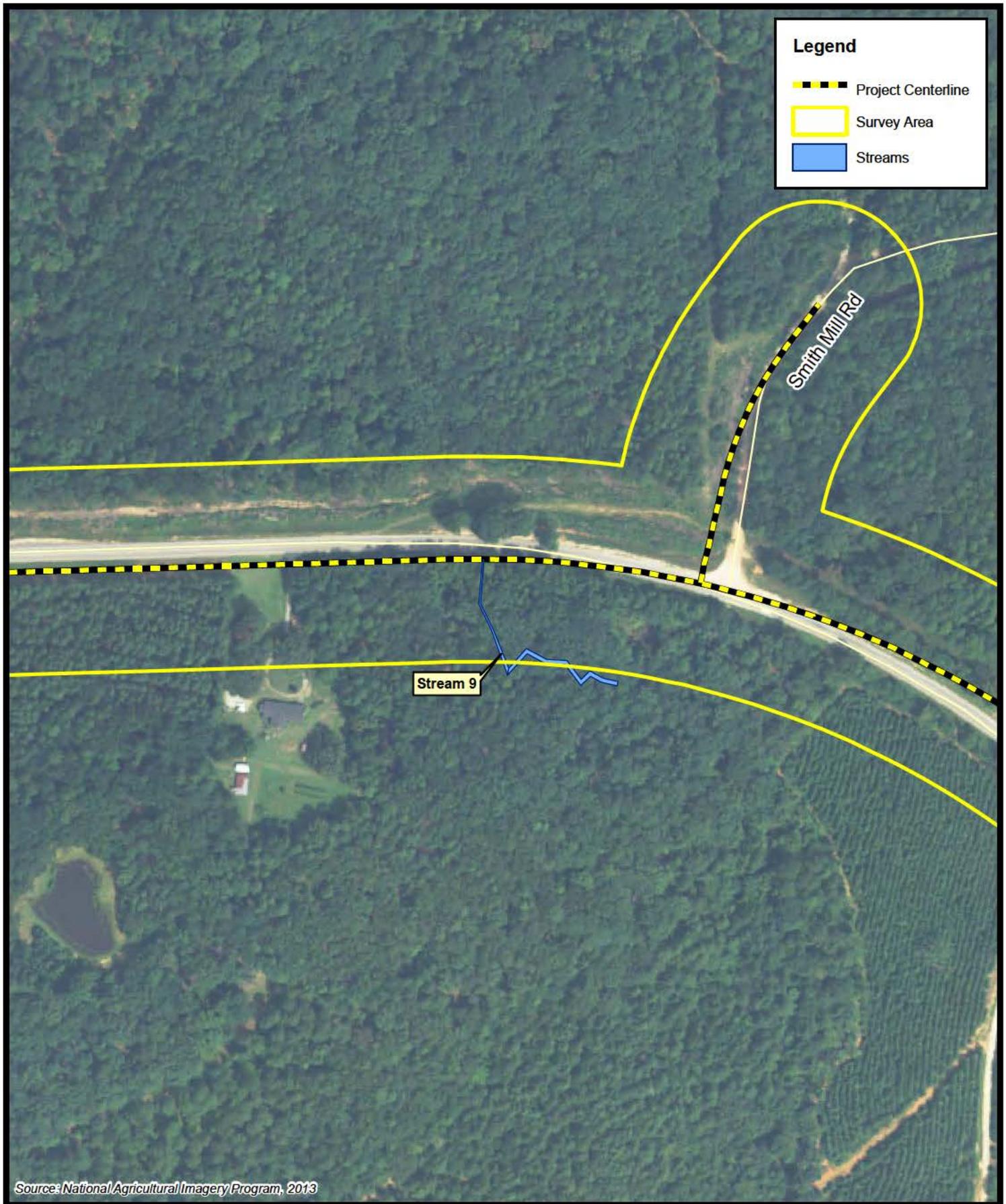


FIGURE 4e: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
BRN00-0014-01(073), BRN00-0014-01(074)
P.I. No. 222250, 222255, 227815, 227816
Widening and Reconstruction of
State Route 10/SR 17/U.S. 78
From SR 43 to the Washington Bypass





50506-095 del3f.mxd

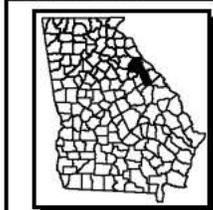
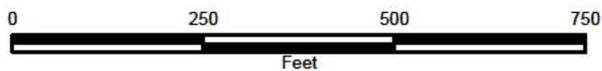
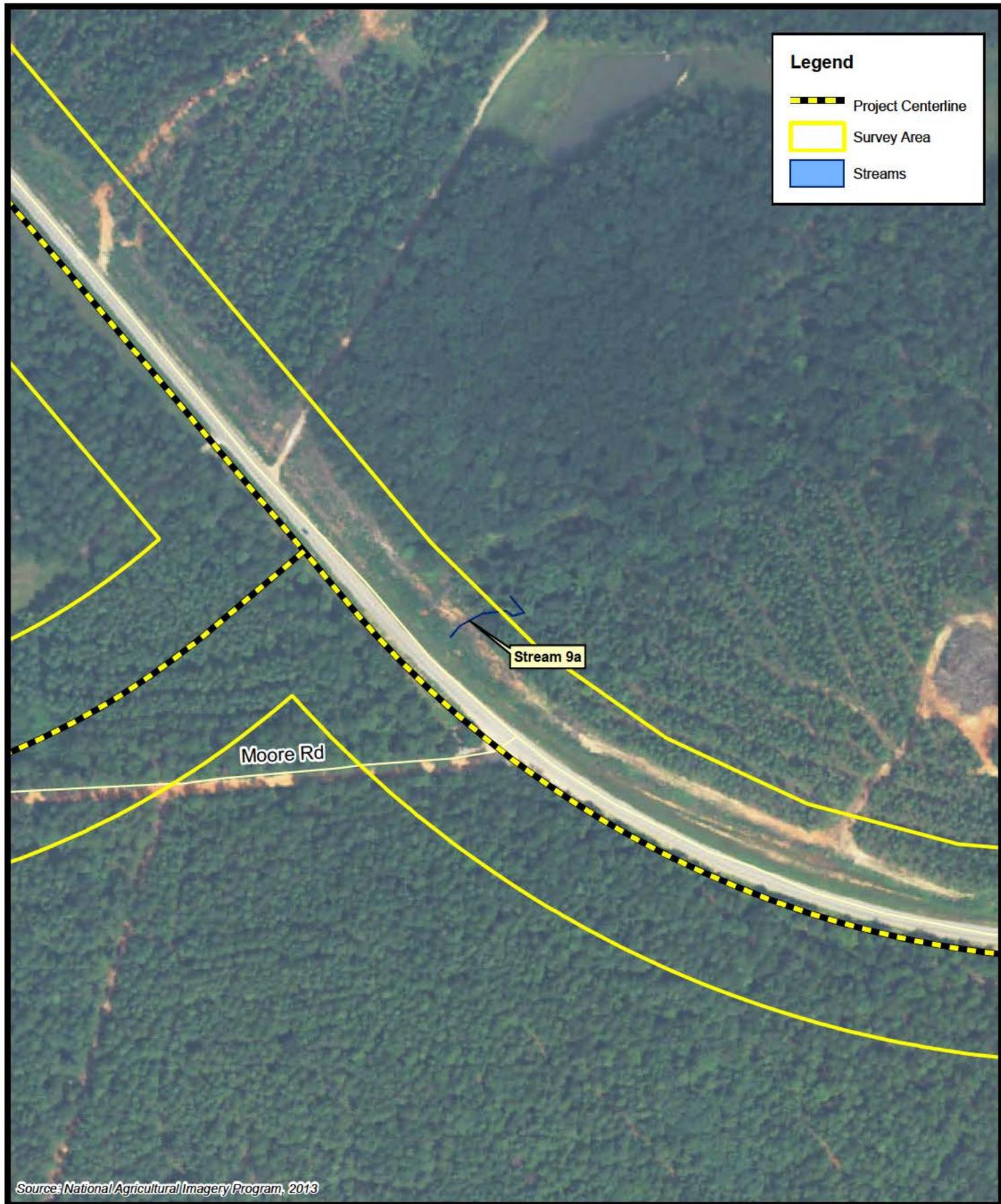


FIGURE 4f: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
BRN00-0014-01(073), BRN00-0014-01(074)
P.I. No. 222250, 222255, 227815, 227816
Widening and Reconstruction of
State Route 10/SR 17/U.S. 78
From SR 43 to the Washington Bypass





Legend

-  Project Centerline
-  Survey Area
-  Streams

Source: National Agricultural Imagery Program, 2013

50506-095 del3q.mxd

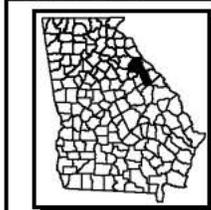
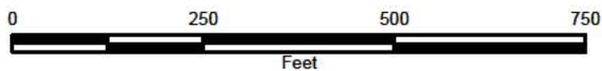


FIGURE 4g: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
 BRN00-0014-01(073), BRN00-0014-01(074)
 P.I. No. 222250, 222255, 227815, 227816
 Widening and Reconstruction of
 State Route 10/SR 17/U.S. 78
 From SR 43 to the Washington Bypass





Source: National Agricultural Imagery Program, 2013

50506-095 del3h.mxd

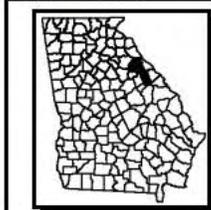
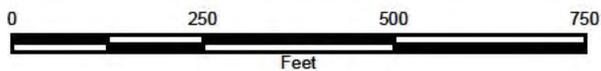
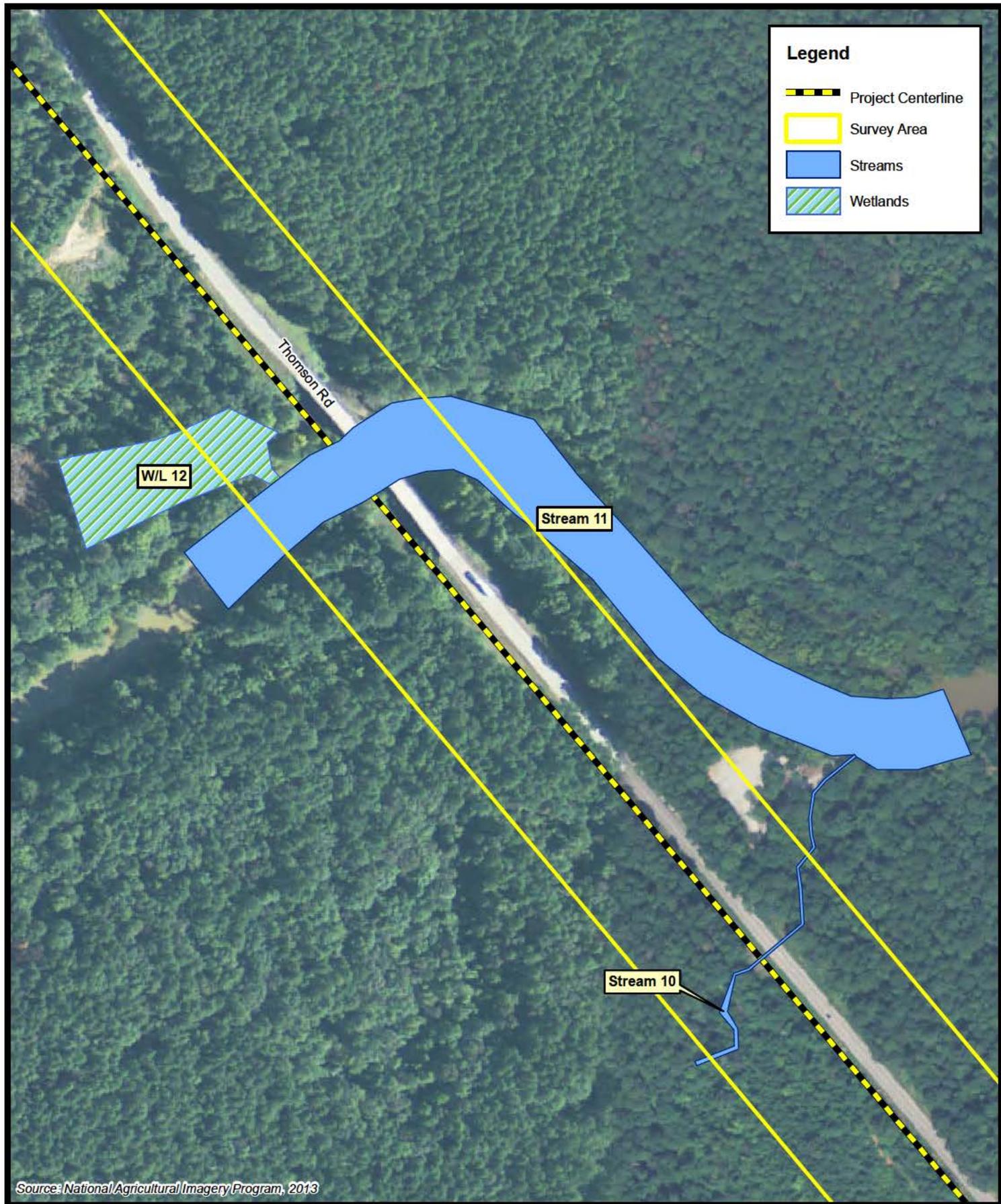


FIGURE 4h: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
 BRN00-0014-01(073), BRN00-0014-01(074)
 P.I. No. 222250, 222255, 227815, 227816
 Widening and Reconstruction of
 State Route 10/SR 17/U.S. 78
 From SR 43 to the Washington Bypass





Source: National Agricultural Imagery Program, 2013

50506-095 del31.mxd

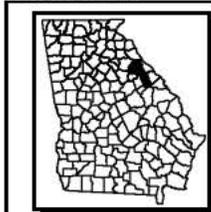
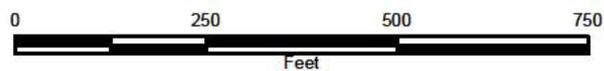
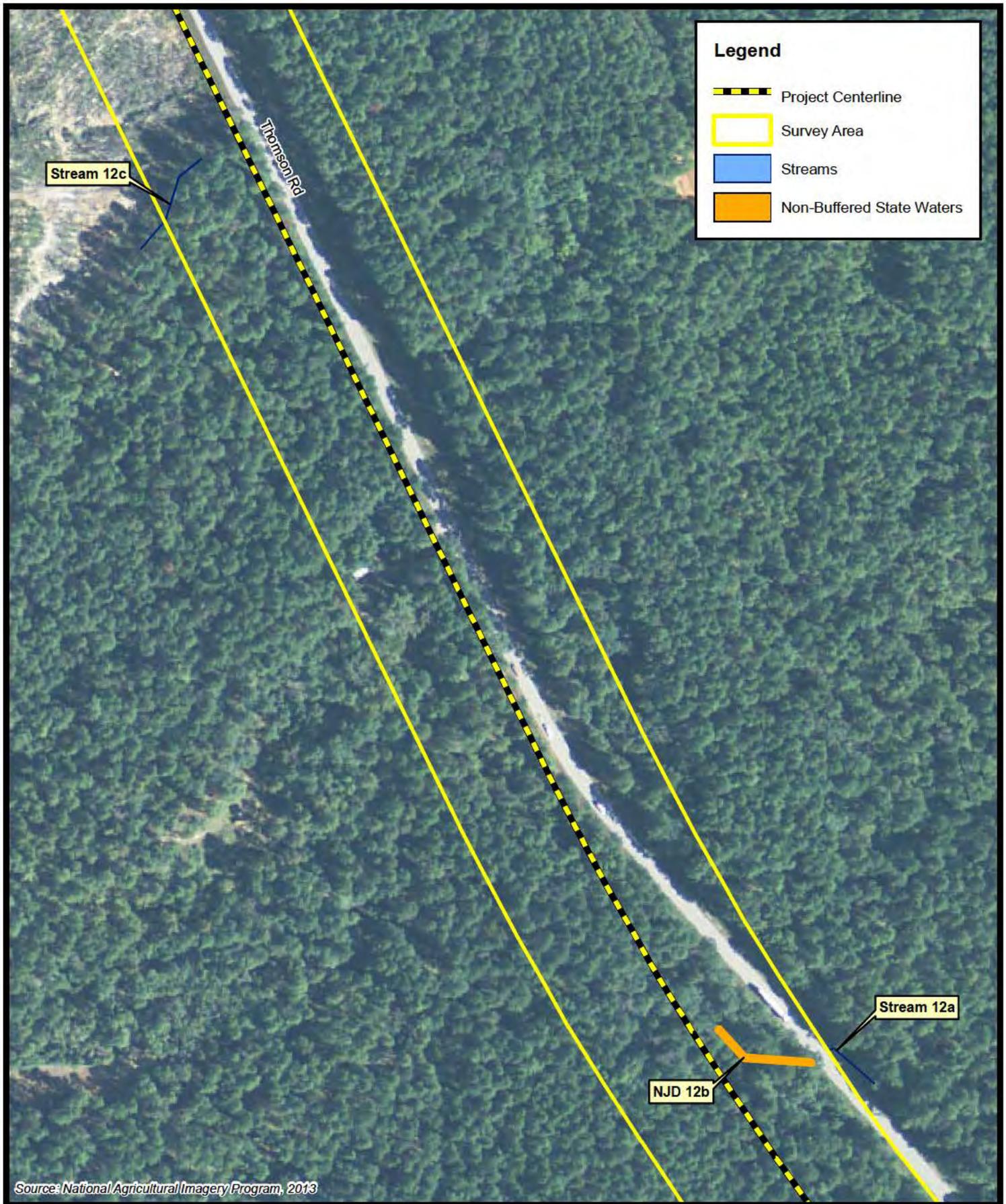


FIGURE 4i: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
 BRN00-0014-01(073), BRN00-0014-01(074)
 P.I. No. 222250, 222255, 227815, 227816
 Widening and Reconstruction of
 State Route 10/SR 17/U.S. 78
 From SR 43 to the Washington Bypass





50506-095 del3i.mxd

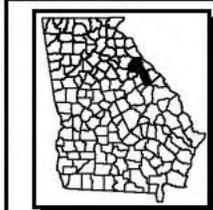
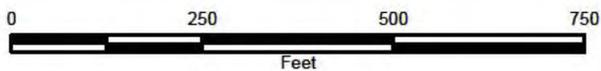
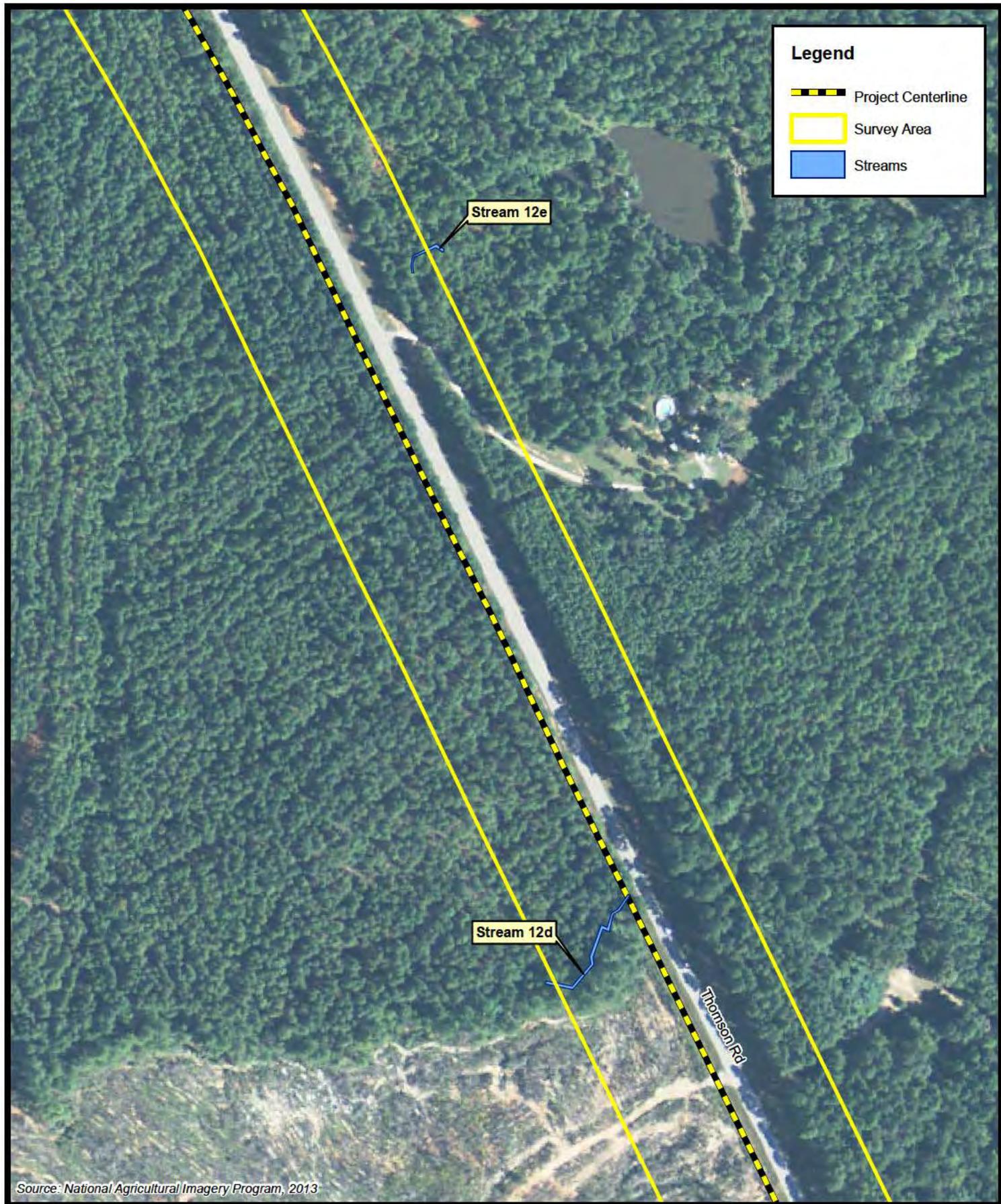


FIGURE 4j: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
BRN00-0014-01(073), BRN00-0014-01(074)
P.I. No. 222250, 222255, 227815, 227816
Widening and Reconstruction of
State Route 10/SR 17/U.S. 78
From SR 43 to the Washington Bypass





Source: National Agricultural Imagery Program, 2013

50506-095 del3k.mxd

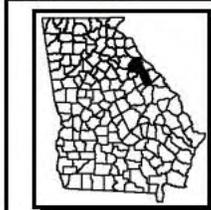
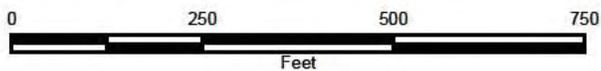
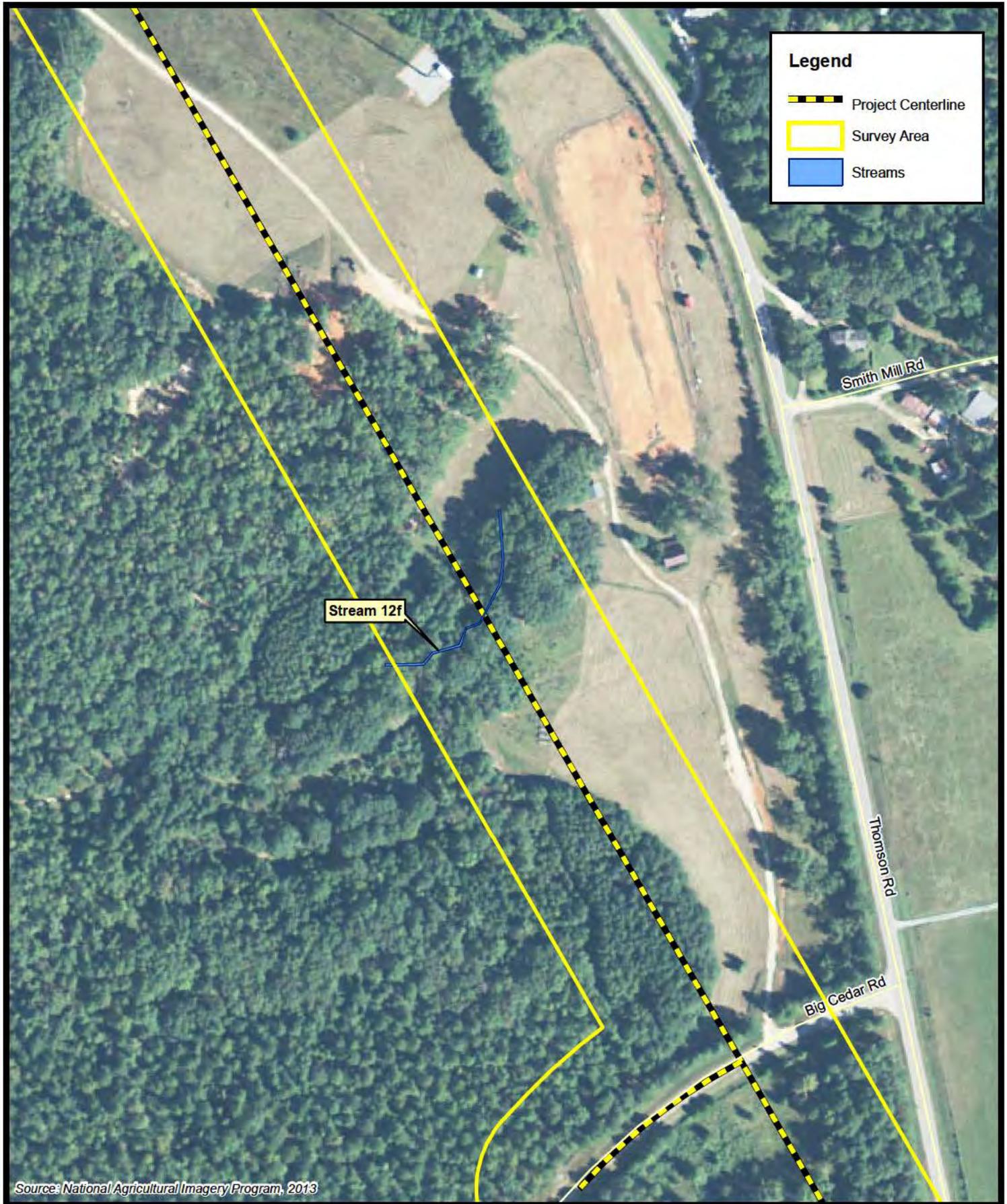


FIGURE 4k: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
 BRN00-0014-01(073), BRN00-0014-01(074)
 P.I. No. 222250, 222255, 227815, 227816
 Widening and Reconstruction of
 State Route 10/SR 17/U.S. 78
 From SR 43 to the Washington Bypass





Source: National Agricultural Imagery Program, 2013

50506-095 del31.mxd

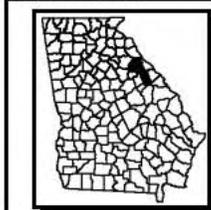
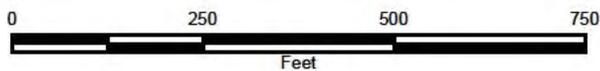
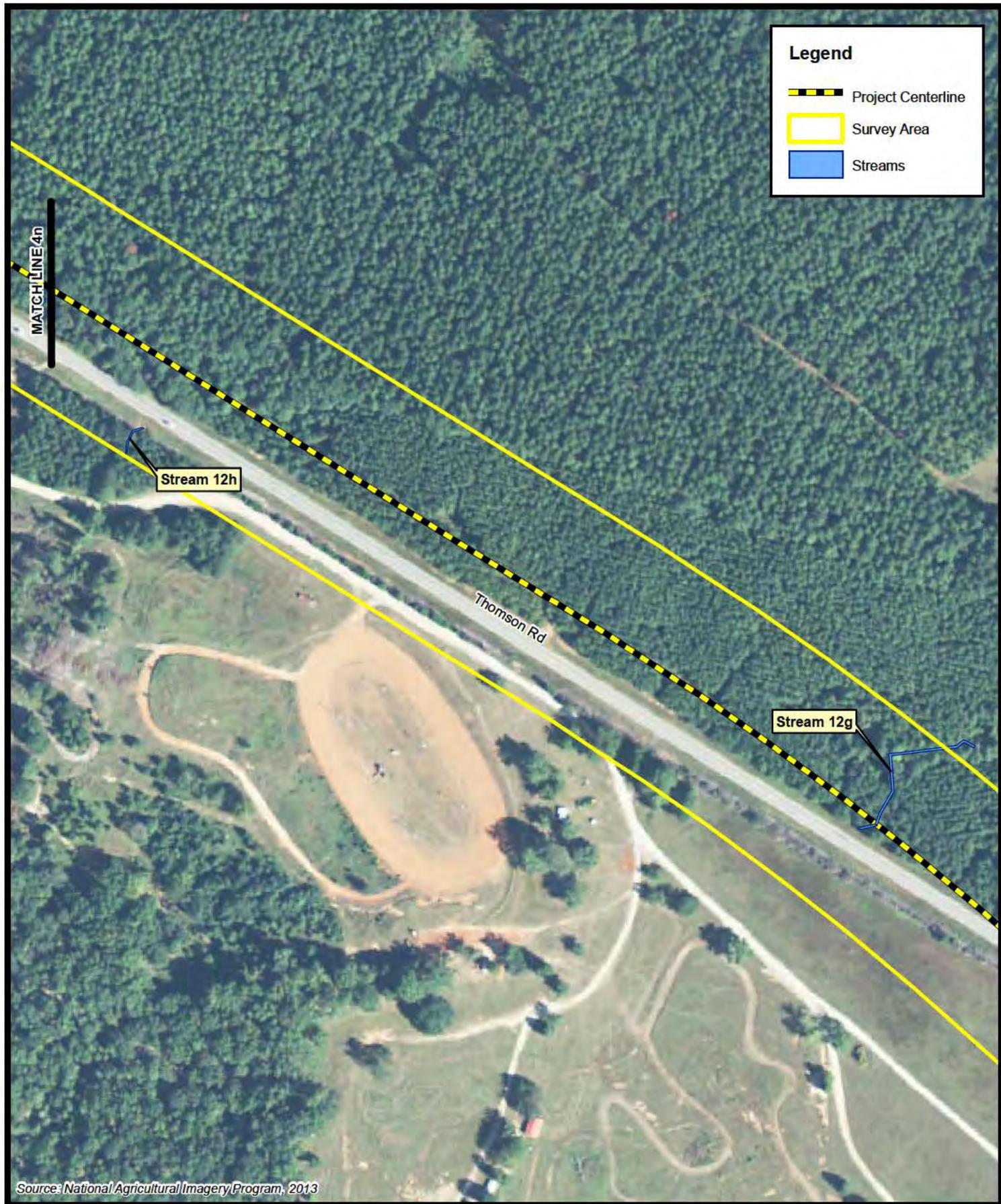


FIGURE 4I: State and Federal Waters Map

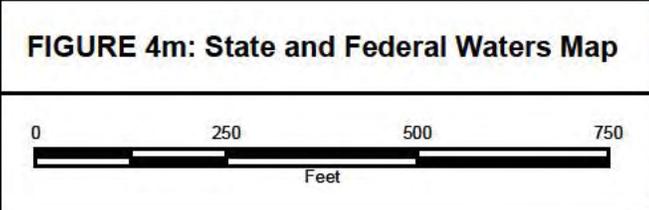
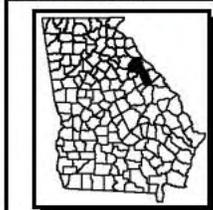


EDS00-0545-00(040), EDS00-0545-00(053),
 BRN00-0014-01(073), BRN00-0014-01(074)
 P.I. No. 222250, 222255, 227815, 227816
 Widening and Reconstruction of
 State Route 10/SR 17/U.S. 78
 From SR 43 to the Washington Bypass

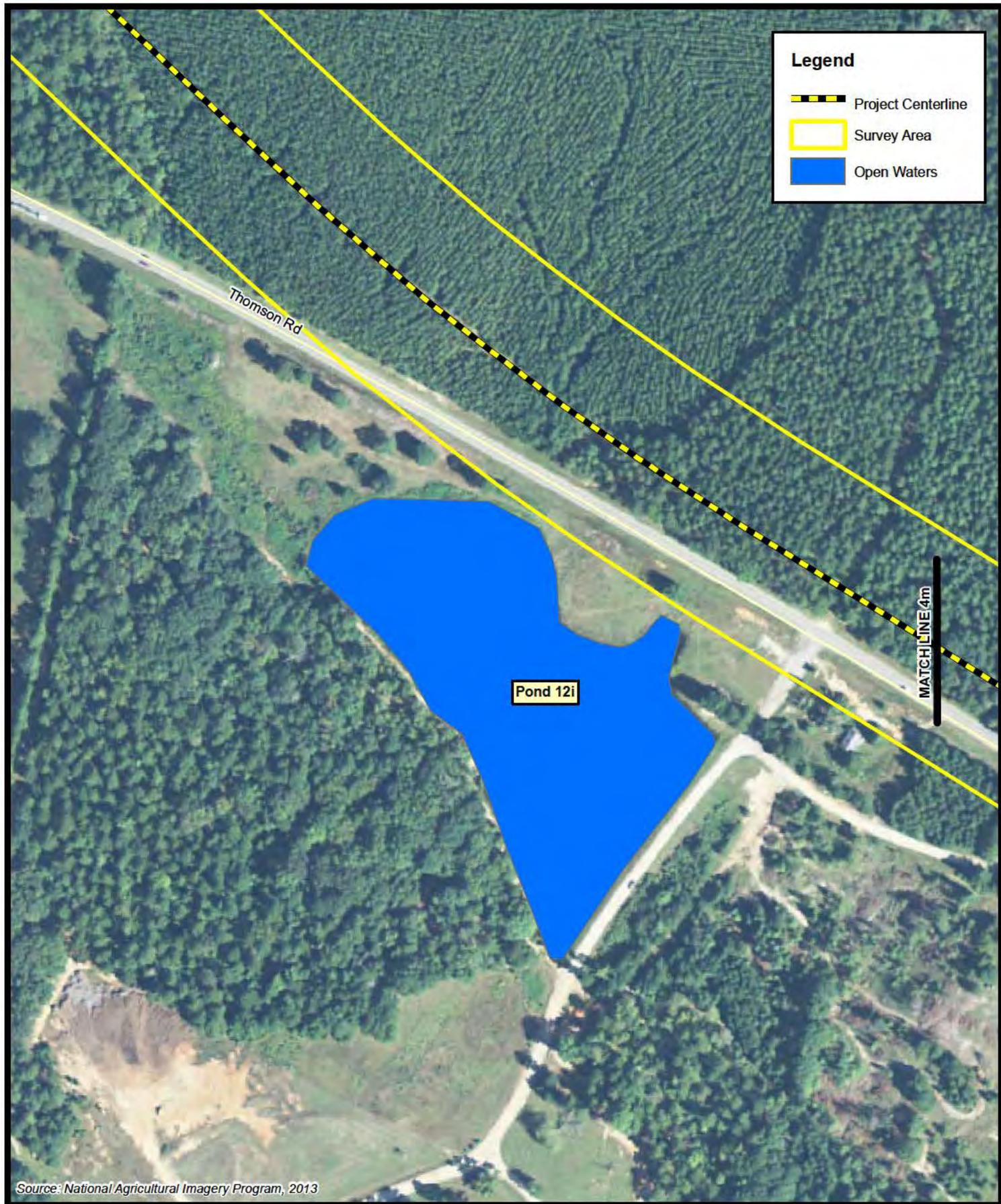




50506-095 del3m.mxd



EDS00-0545-00(040), EDS00-0545-00(053),
BRN00-0014-01(073), BRN00-0014-01(074)
P.I. No. 222250, 222255, 227815, 227816
Widening and Reconstruction of
State Route 10/SR 17/U.S. 78
From SR 43 to the Washington Bypass



50506-095 del3n.mxd

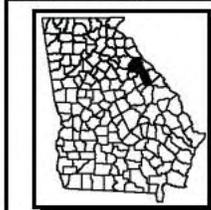
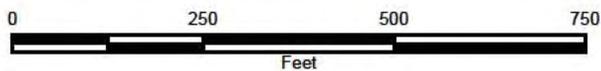
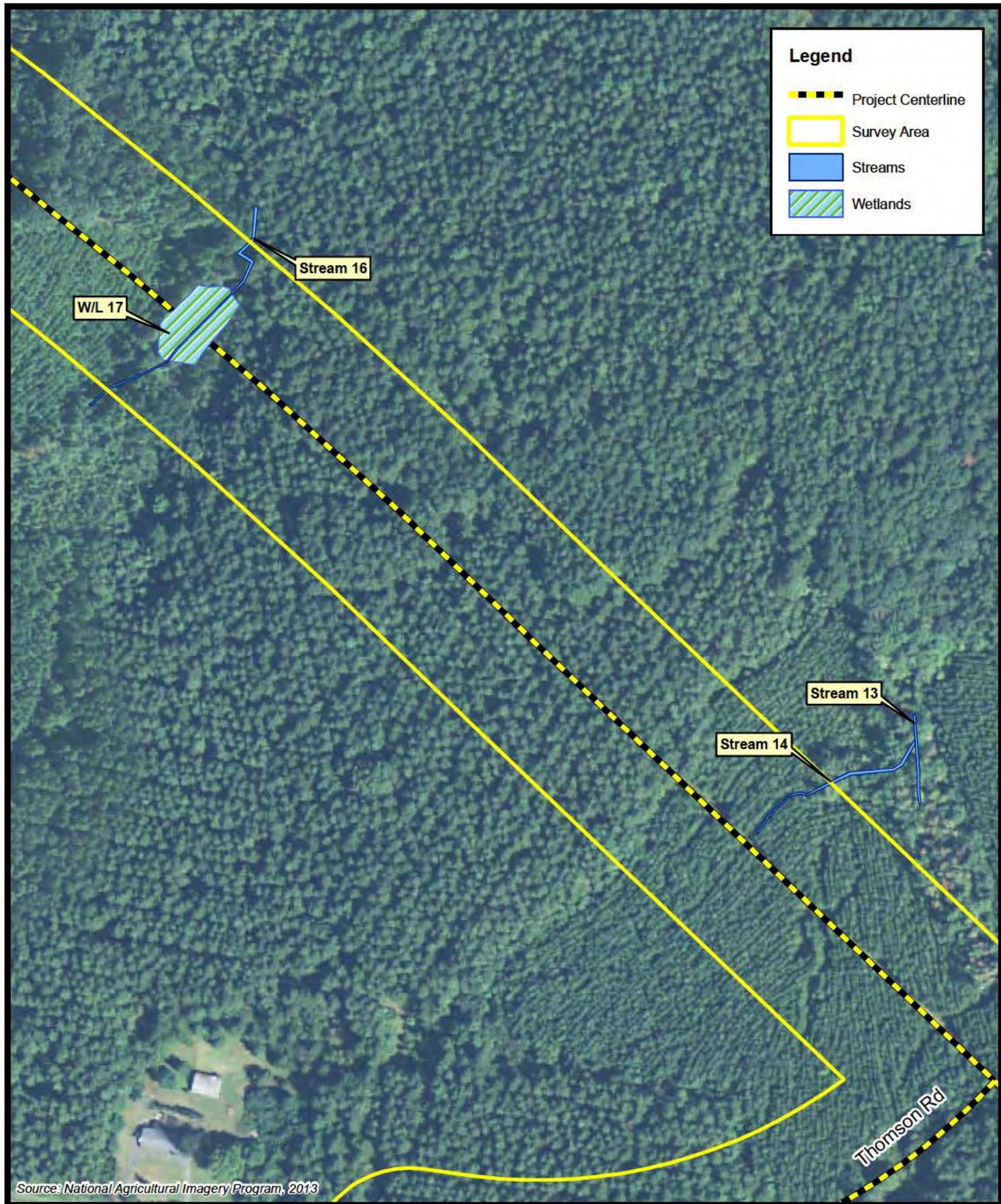


FIGURE 4n: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
BRN00-0014-01(073), BRN00-0014-01(074)
P.I. No. 222250, 222255, 227815, 227816
Widening and Reconstruction of
State Route 10/SR 17/U.S. 78
From SR 43 to the Washington Bypass





Source: National Agricultural Imagery Program, 2013

50506-095 del3o.mxd

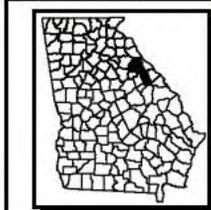
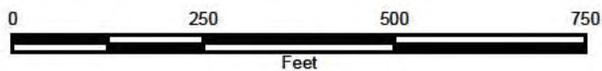
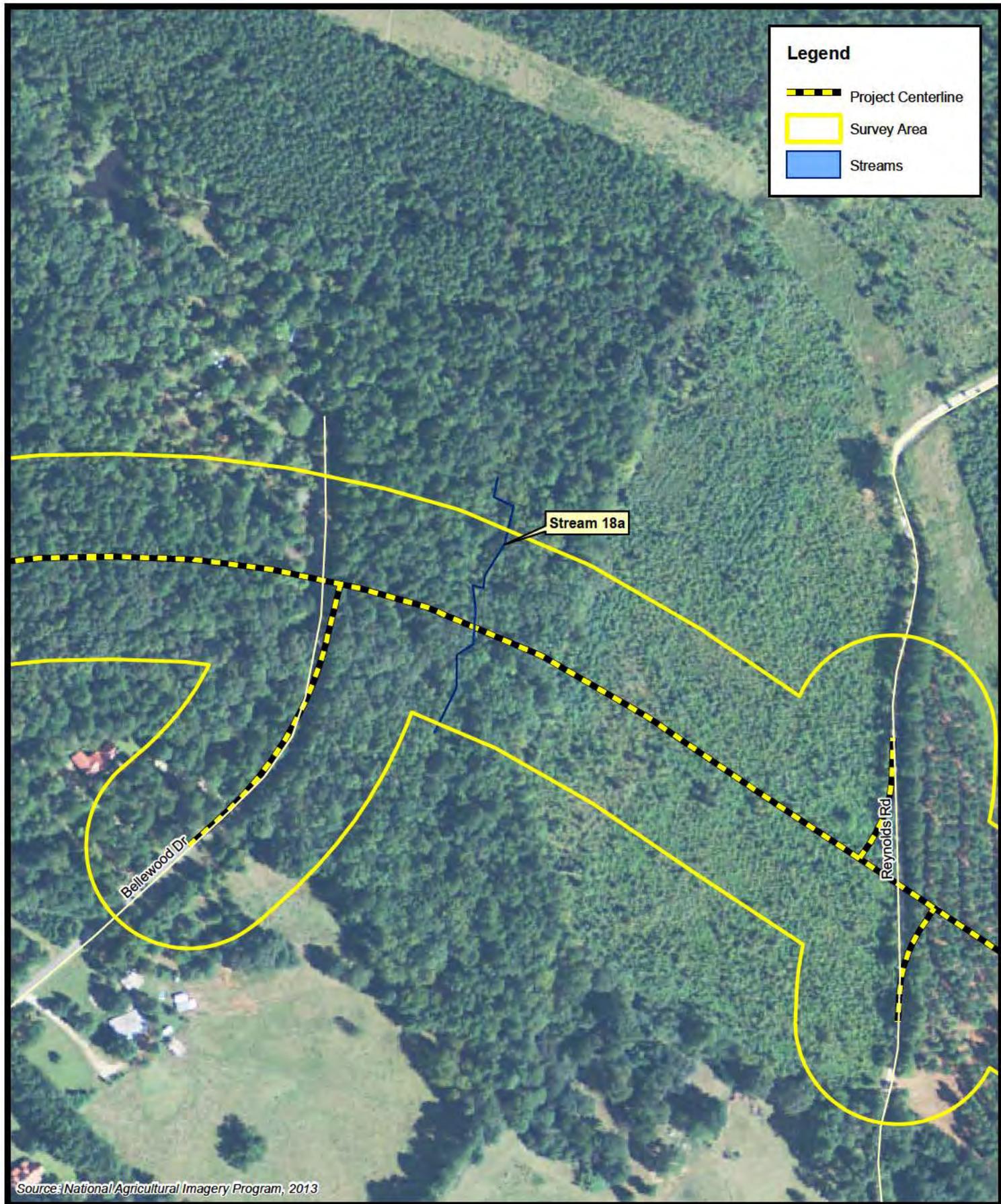


FIGURE 4o: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
 BRN00-0014-01(073), BRN00-0014-01(074)
 P.I. No. 222250, 222255, 227815, 227816
 Widening and Reconstruction of
 State Route 10/SR 17/U.S. 78
 From SR 43 to the Washington Bypass





50506-095 del3p.mxd

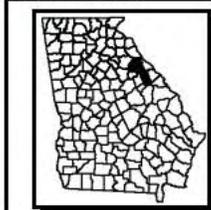
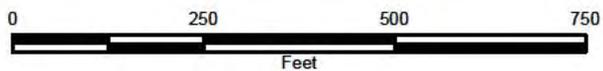
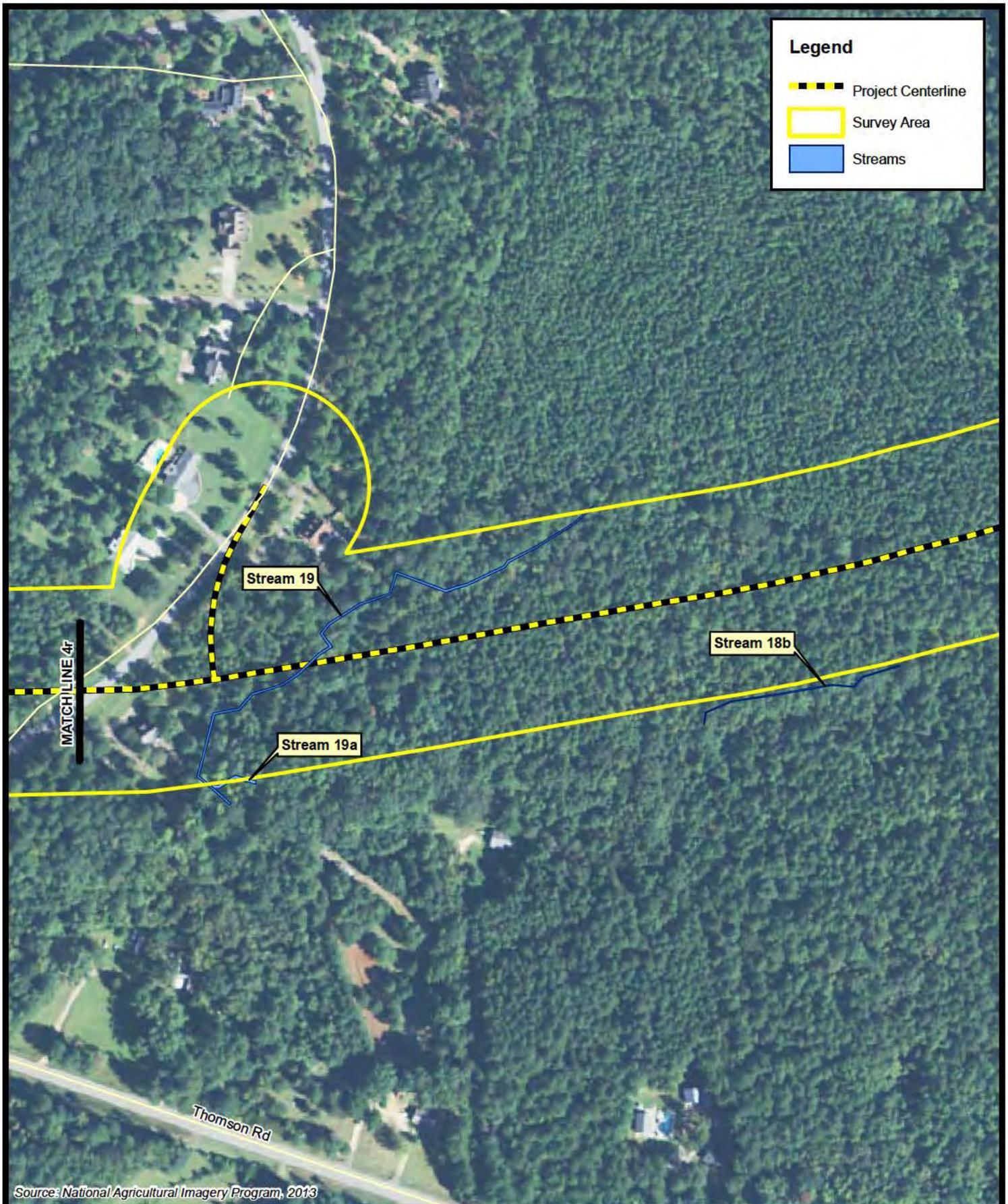


FIGURE 4p: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
BRN00-0014-01(073), BRN00-0014-01(074)
P.I. No. 222250, 222255, 227815, 227816
Widening and Reconstruction of
State Route 10/SR 17/U.S. 78
From SR 43 to the Washington Bypass





Source: National Agricultural Imagery Program, 2013

50506-095 del3q.mxd

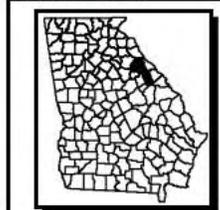
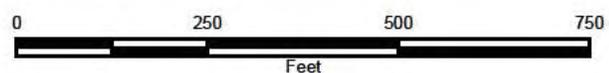
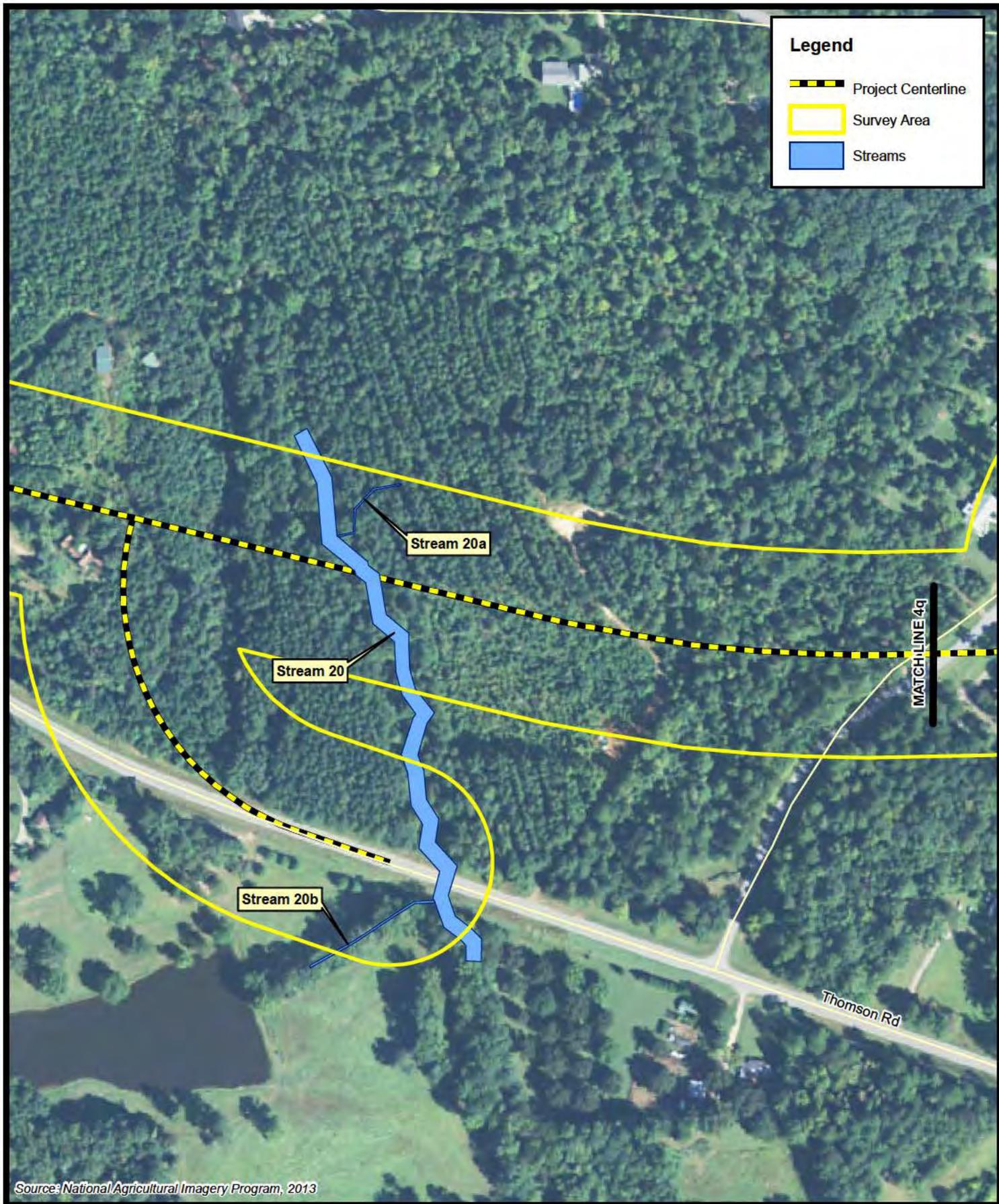


FIGURE 4q: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
 BRN00-0014-01(073), BRN00-0014-01(074)
 P.I. No. 222250, 222255, 227815, 227816
 Widening and Reconstruction of
 State Route 10/SR 17/U.S. 78
 From SR 43 to the Washington Bypass





Legend

-  Project Centerline
-  Survey Area
-  Streams

Source: National Agricultural Imagery Program, 2013

50506-095 del3r.mxd

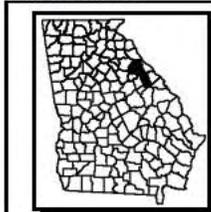
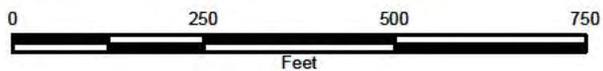


FIGURE 4r: State and Federal Waters Map



EDS00-0545-00(040), EDS00-0545-00(053),
 BRN00-0014-01(073), BRN00-0014-01(074)
 P.I. No. 222250, 222255, 227815, 227816
 Widening and Reconstruction of
 State Route 10/SR 17/U.S. 78
 From SR 43 to the Washington Bypass



Table 1. Summary of Non-Wetland Waters of the U.S.

Label	Type	Station #	HUC	SBV Required	FW CA	Habitat for Protected Species	Channel Width (ft)	Channel Depth (ft)	Latitude	Longitude	Impact Type	Impact Length (feet)	Area of Impacts (acres)
Stream 4	Intermittent	178+00	03060105	No	No	No	7	6	33.588123	-82.538822	None	0	0.0
Stream 4d	Intermittent	184+55	03060105	No	No	No	7	2 to 3	33.589185	-82.540419	Culvert extension/ riprap	8 11	0.001 0.002
Stream 5	Perennial	207+24	03060105	Yes	Yes	No	8	6	33.59354	-82.54571	Culvert/Channel relocation	70 301	0.06 0.01
Stream 9 (int. reach)	Intermittent	312.42	03060105	No	No	No	6	2	33.613542	-82.569063	None	0	0.0
Stream 10	Perennial	149+00	03060105	Yes	Yes	No	8	4	33.634995	-82.592793	Culvert extension / riprap	130 31	0.03 0.0125
Stream 11	Perennial	161+37	03060105	No	No	No	120	10	33.6376	-82.595418	None	0	0.00
Stream 12f (int. reach)	Intermittent	315+47	03060105	No	No	No	4	1 to 4	33.671977	-82.624228	Fill	60	0.005
Stream 12g (int. reach)	Intermittent	351+23	03060105	No	Yes	No	4	3	33.68015	-82.63082	Fill	121	0.01
Stream 12h	Intermittent	367+23	03060105	No	No	No	3	0.5	33.681959	-82.635695	None	0	0.00
Stream 13	Intermittent	400+00	03060105	No	No	No	4	5	33.688717	-82.64321	None	0	0.00
Stream 14 (int. reach)	Intermittent	401+90	03060105	Yes	No	No	4	4	33.688713	-82.643637	None	0	0.00
Stream 16	Perennial	416+85	03060105	No	Yes	No	4	3	33.691072	-82.647852	Culvert / riprap	187 45	0.01 0.004
Stream 18a (int. reach)	Intermittent	458+79	03060105	No	No	No	2	1	33.697853	-82.659135	Fill / riprap	33 10	0.002 0.001
Stream 18b (int. reach)	Intermittent	494+74	03060105	No	No	No	3	1	33.694767	-82.67079	None	0	0.00
Stream 19	Intermittent	504+65	03060105	No	Yes	No	4	3	33.694923	-82.673723	Culvert / riprap	396 26	0.06 0.002
Stream 20	Perennial	520+25	03060105	No	Yes	No	30	6	33.695184	-82.678813	Culvert / riprap	275 106	0.21 0.07
Stream 20b	Perennial	19+50	03060105	No	No	No	3	6	33.69328	-82.678776	None	0	0.00
Totals												1,810	0.49

Table 2. Summary of Jurisdictional Wetlands, Open Waters, and Ephemeral Streams

Label	Resource Type	HUC #	Buffer	Habitat for Protected Species	Latitude	Longitude	Begin Station #	End Station #	Impact Type	Temporary Impact Area (acres)	Permanent Impact Area (acres)
Open Water 1	PUB	03060105	Yes	No	33.568456	-82.518795	80+70	82+71	Fill	0.00	0.49
Open Water 1a	PUB	03060105	No	No	33.570183	-82.520102	88+50	89+81	None	0.00	0.00
Open Water 1b	PUB	03060105	No	No	33.571137	-82.518127	89+40	91+42	None	0.00	0.00
Open Water 2	PUB	03060105	No	No	33.571152	-82.521028	91+50	95+56	None	0.00	0.00
Open Water 3 (Big Creek)	LOW	03060105	Yes	No	33.581773	-82.53064	143+31	144+84	Fill/Dredge	0.00	0.002/0.01
W/L 3a	PEM/PSS	03060105	No	No	33.581194	-82.530782	140+50	151+00	Clearing / Fill/Dredge	0.85	0.134/0.2
Stream 4 (ephemeral reach)	Ephemeral	03060105	No	No	33.588123	-82.538822	178+00	178+10	Fill	0.00	0.004
W/L 4a	PEM	03060105	No	No	33.587504	-82.538955	176+64	177+50	Fill	0.00	0.04
Open Water 4c	PUB	03060105	Yes	No	33.587651	-82.540072	179+15	180+86	None	0.00	0.00
Stream 5a	Ephemeral	03060105	No	No	33.592145	-82.544207	199+50	203+27	Fill	0.00	0.02
Stream 5b	Ephemeral	03060105	No	No	33.594214	-82.546144	209+77	209+80	Fill	0.00	0.001
Stream 5c	Ephemeral	03060105	No	No	33.5944	-82.545768	209+00	210+41	Fill	0.00	0.0006
W/L 6	PEM/PSS	03060105	No	No	33.597187	-82.548862	221+00	225+14	Clearing	0.15	0.00
W/L 6a	PEM/PSS	03060105	No	No	33.597928	-82.547976	223+45	225+29	Clearing / Fill/Dredge	0.06	0.02 / 0.09
Open Water 8 (Hart Creek)	PUB	03060105	Yes	No	33.598095	-82.54865	225+50	226+49	Fill	0.00	0.004
Stream 8a	Ephemeral	03060105	No	No	33.597835	-82.548947	225+13	225+86	None	0.00	0.00
Stream 8b	Ephemeral	03060105	No	No	33.59811	-82.54931	226+35	227+60	None	0.00	0.00
W/L 8c	PEM/PSS	03060105	No	No	33.598101	-82.549281	226+10	227+57	Clearing	0.01	0.00

Label	Resource Type	HUC #	Buffer	Habitat for Protected Species	Latitude	Longitude	Begin Station #	End Station #	Impact Type	Temporary Impact Area (acres)	Permanent Impact Area (acres)
Stream 9 (ephemeral reach)	Ephemeral	03060105	No	No	33.613542	-82.569063	312+42	312+94	Culvert extension / riprap	0.00	0.008/0.0005
Stream 9a	Ephemeral	03060105	No	No	33.615593	-82.57809	62+21	63+16	Fill / Riprap / Dredge	0.00	0.001/0.0001 / 0.001
Stream 9b	Ephemeral	03060105	No	No	33.623304	-82.586787	101+89	103+86	Fill / riprap	0.00	0.004/0.0005
W/L 12	PFO/PSS	03060105	No	No	33.637603	-82.59659	162+25	165+33	Clearing/Fill	0.07	0.1
Stream 12a	Ephemeral	03060105	No	No	33.642932	-82.599721	184+10	185+31	Fill	0.00	0.008
Stream 12c	Ephemeral	03060105	No	No	33.647542	-82.604097	205+65	206+68	Fill	0.00	0.0002
Stream 12d	Ephemeral	03060105	No	No	33.650038	-82.605275	215+33	216+48	Fill	0.00	0.01
Stream 12e (ephemeral reach)	Ephemeral	03060105	No	No	33.653732	-82.606397	229+16	229+42	None	0.00	0.00
Stream 12f (ephemeral reach)	Ephemeral	03060105	No	No	33.672163	-82.623972	315+24	316+07	Fill	0.00	0.013
Stream 12g (ephemeral reach)	Ephemeral	03060105	No	No	33.679882	-82.630965	350+96	351+22	Fill	0.00	0.003
Open Water 12i	PUB	03060105	No	No	33.682492	-82.638819	373+15	381+31	None	0.00	0.00
Stream 14 (ephemeral reach)	Ephemeral	03060105	No	No	33.688411	-82.644222	401+90	402+23	Fill	0.00	0.005
W/L 17	PEM	03060105	No	No	33.691117	-82.647846	416+48	417+44	Fill	0.00	0.36
Stream 18a (ephemeral reach)	Ephemeral	03060105	No	No	33.697482	-82.659264	458+64	459+07	Fill	0.00	0.01
Stream 18b (ephemeral reach)	Ephemeral	03060105	No	No	33.694833	-82.670226	493+43	494+73	None	0.00	0.00
Stream 19a	Ephemeral	03060105	No	No	33.694303	-82.674221	506+00	506+85	None	0.00	0.00
Stream 20a	Ephemeral	03060105	No	No	33.69557	-82.678857	520+00	521+02	Fill	0.00	0.007

Label	Resource Type	HUC #	Buffer	Habitat for Protected Species	Latitude	Longitude	Begin Station #	End Station #	Impact Type	Temporary Impact Area (acres)	Permanent Impact Area (acres)
Totals										1.14	1.55