



**DEPARTMENT OF THE ARMY**  
SAVANNAH DISTRICT, CORPS OF ENGINEERS  
PIEDMONT BRANCH  
1590 ADAMSON PARKWAY, SUITE 200  
MORROW, GEORGIA 30260-1777

**JAN 18 2010**

Regulatory Division  
200900042

**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 U.S.C. 1344), as follows:

Application Number: 200900042

Applicants: Carroll County Water Authority  
Attention: Mr. Matt Windom, Executive Director  
Post Office Box 739  
Carrollton, Georgia 30112

Agent: Wm. Thomas Craig  
1144 College Avenue  
Post Office Box 1587  
Covington, Georgia 30015

Location of Proposed Work: The proposed project site is located at latitude 33° 36' 51.128" north and longitude 85° 17' 13.374" west, south of Interstate 20, approximately 4 ½ miles northwest of the City of Bowdon, Carroll County, Georgia.

Description of Work Subject to the Jurisdiction of the US Army Corps of Engineers: Carroll County Water Authority proposes to construct a pump storage water supply reservoir on Indian Creek, to be known as the Indian Creek Water Supply Reservoir. The project as proposed consists of constructing a 1,600-foot long dam that would create a 643-acre reservoir. The normal pool elevation for Indian Creek is designed for 1190 feet mean sea level (msl). Carroll County Water Authority has projected that there will be an unmet, average water demand, in portions of Carroll County within the Tallapoosa Basin, of 25 million gallons per day (mgd) in the year 2060. The applicant states that the Indian Creek Reservoir would be capable of providing Carroll County residents with an average annual safe yield of 18 mgd at the proposed design dimensions. The Georgia Department of Natural Resources, Environmental Protection Division provided a letter dated August 19, 2009, to the applicant concurring with the project's proposed unmet need for the target year 2060.

The Indian Creek Reservoir will function in three phases; Phase I would start with pumping water from Indian Creek; Phase II and Phase III would supplement the reservoir storage by pumping from the Little Tallapoosa River.

Proposed Impacts: Indian Creek Reservoir would impact approximately 47,468 linear of perennial and intermittent streams, 0.38 acres of ephemeral stream channels, 36.8 acres of open water, and 18.8 acres of wetlands, associated with the construction of the dam and the inundation of resources within the reservoir's normal pool footprint (1190 msl). Please see the attached maps of the jurisdictional waters within the proposed reservoir foot print for specific locations jurisdictional impacts.

Alternative Analysis: The applicant provided a preliminary alternative analysis that evaluated the practicality of offsite alternatives, onsite alternatives, and the no action. Offsite alternatives included: water conservation, recycle and reuse of wastewater, groundwater (wells), purchase of water from other suppliers, request increase withdrawal at existing intake site, upland constructed flow augmentation reservoir, traditional reservoir (no pump storage), construction of several reservoirs, river intake system (no storage reservoir), river or stream intake with one storage reservoir, and construction of several intakes with storage reservoir. The applicant provided of onsite alternatives, combine water conservation with the preferred alternative; combine groundwater use with the preferred alternative; combine purchase of water with preferred alternative; and a reduction of the size of the reservoir for the preferred alternative.

Compensatory Mitigation Plan: The applicant has provided conceptual mitigation plans to compensate for the loss of 47,468 linear of stream, 0.38 acres of ephemeral channels, and 18.8 acres of wetlands. The applicant proposes to implement two separate mitigation areas to compensate for the impacts. Big Indian Creek Mitigation Site, located in southwestern Carroll County, would include Priority 1 restoration of 3,803 linear feet of first order tributaries and Priority 2 restoration of 5,221 linear feet of first and second order tributaries. Bank stabilization would occur on 5,286 linear feet of Big Indian Creek along with 1,509 linear feet of stream preservation, 114.8 acres of riparian restoration, 16.5 acres of riparian preservation, and 22.82 acres of wetland restoration. Garrett Creek Mitigation Site, located in southwestern Carroll County, would include Priority 2 restoration of 2,796 linear feet of Garrett Creek with Priority 2 restoration of 1,630 linear feet of a first order tributary, and Priority 1 restoration of 1,460 linear feet of a 2<sup>nd</sup> first order tributary. Stream preservation of 3,167 linear feet would occur on the Little Tallapoosa River, along with 56.38 acres of riparian restoration and 14.98 acres of riparian preservation.

## BACKGROUND

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

### 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 by an applicant for a Federal Permit to conduct an 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 the application in writing and state the reasons or basis of objections or request for a hearing. The application can also be seen in the Savannah District US Army Corps of Engineers, Regulatory Branch, Piedmont Branch, 1590 Adamson Parkway, Suite 200, Morrow, Georgia.

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.

### US 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.

Need: To meet a projected 50-year water supply demand during drought conditions in Carroll County.

Basic Project Purpose: To provide sufficient water supply for Carroll County in the Tallapoosa Basin for projected growth through the year 2060.

Preliminary Determination of Overall Project Purpose: To provide a sufficient safe yield for Carroll County's unmet water demand.

Cultural Resources Assessment: Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended, we request the Georgia Historical Preservation Division (GAHPD) or any other interested party review the latest published version of the National Register of Historic Places (NRHP) to determine if the property has or has not any registered properties or properties listed as eligible for inclusion located at the site or in the area affected by the proposed work. The applicant has completed a Phase I Cultural Resources Survey for this project.

Endangered Species: Pursuant to Section 7(c) of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 et seq.), we request from the US Department of the Interior, Fish and Wildlife Service and the US Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, or any other interested party, information on whether any species listed or proposed for listing may be present in the area.

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.

Consideration of Public Comments: The US Army Corps of Engineers 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 US Army Corps of Engineers 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.

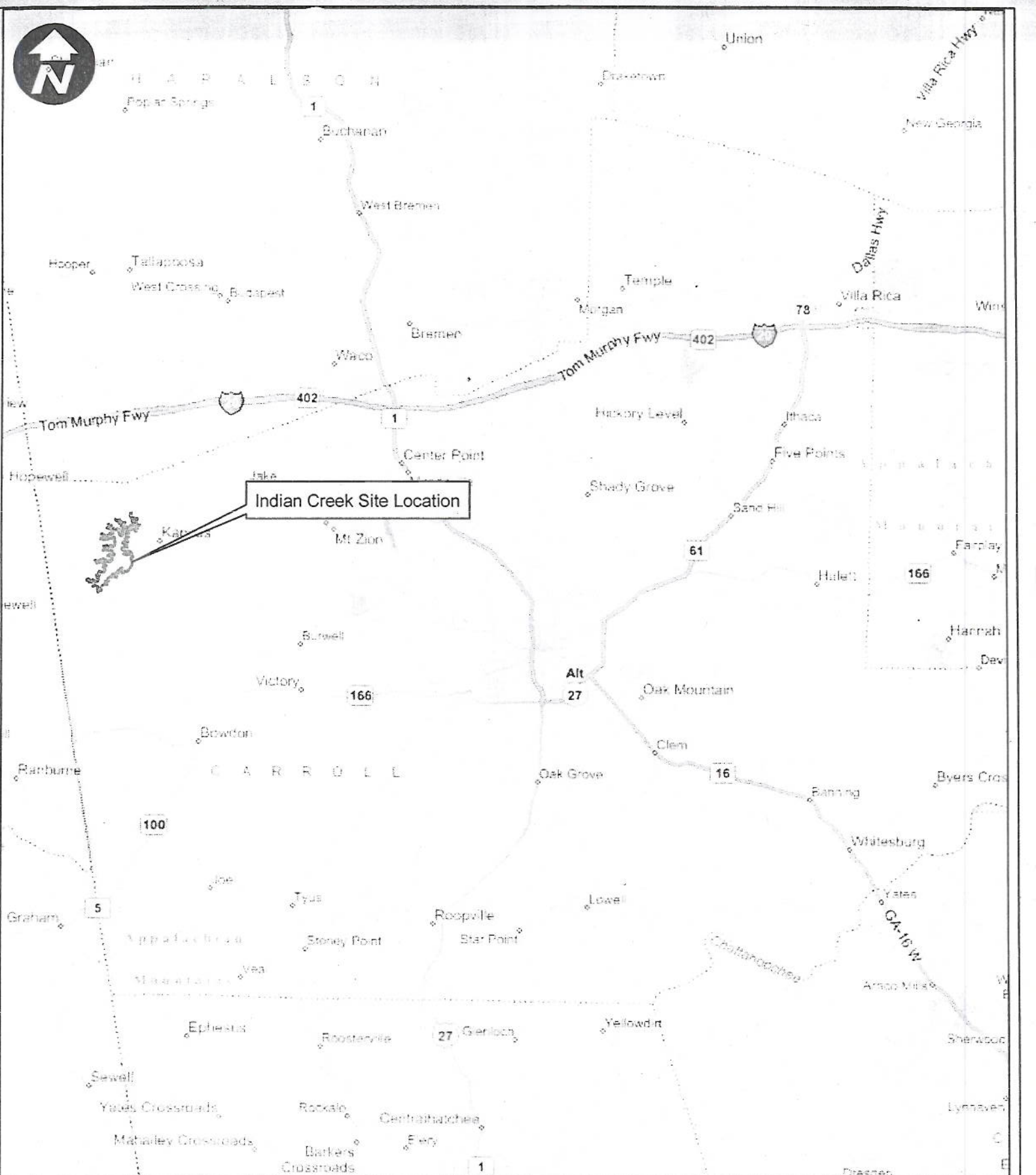
Public Hearing: Any person may request, in writing, within the comment period specified in this notice, that a public hearing shall state, with particularity, the reasons for requesting a public hearing. The decision whether to hold a public hearing is at the discretion of the District Engineer, or his 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 Savannah District, US Army Corps of Engineers, Piedmont Branch, Attention: Ms. Natalie Edwards, 1590 Adamson Parkway, Suite 200, Morrow, Georgia 30260-1777, no later than 30 days from the date of this notice. Please refer to the project name: Indian Creek Reservoir, USACE Project Number 200900042.

If you have any further questions concerning this matter, please contact Ms. Natalie Edwards at (770) 904-2509.

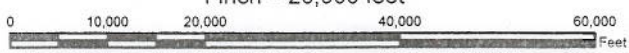
#### Enclosures

- Figure 1: Location Map
- Figure 2: Overall Map- Jurisdictional Waters Delineation
- Figure 3: Indian Creek Reservoir Mitigation Site Locations
- Figure 3A: Garrett Creek Mitigation Site
- Figure 3B: Big Indian Creek Mitigation Site
- Figure 4: Water Treatment Plant Site Location
- Figure 5: Proposed Indian Creek Dam
- Figure 5A: Proposed Indian Creek Dam Location
- Figure 6: Water Line Corridor Phase 1, 2, and 3
- Figure 6A: Water Line Corridor Phase 1, 2, and 3



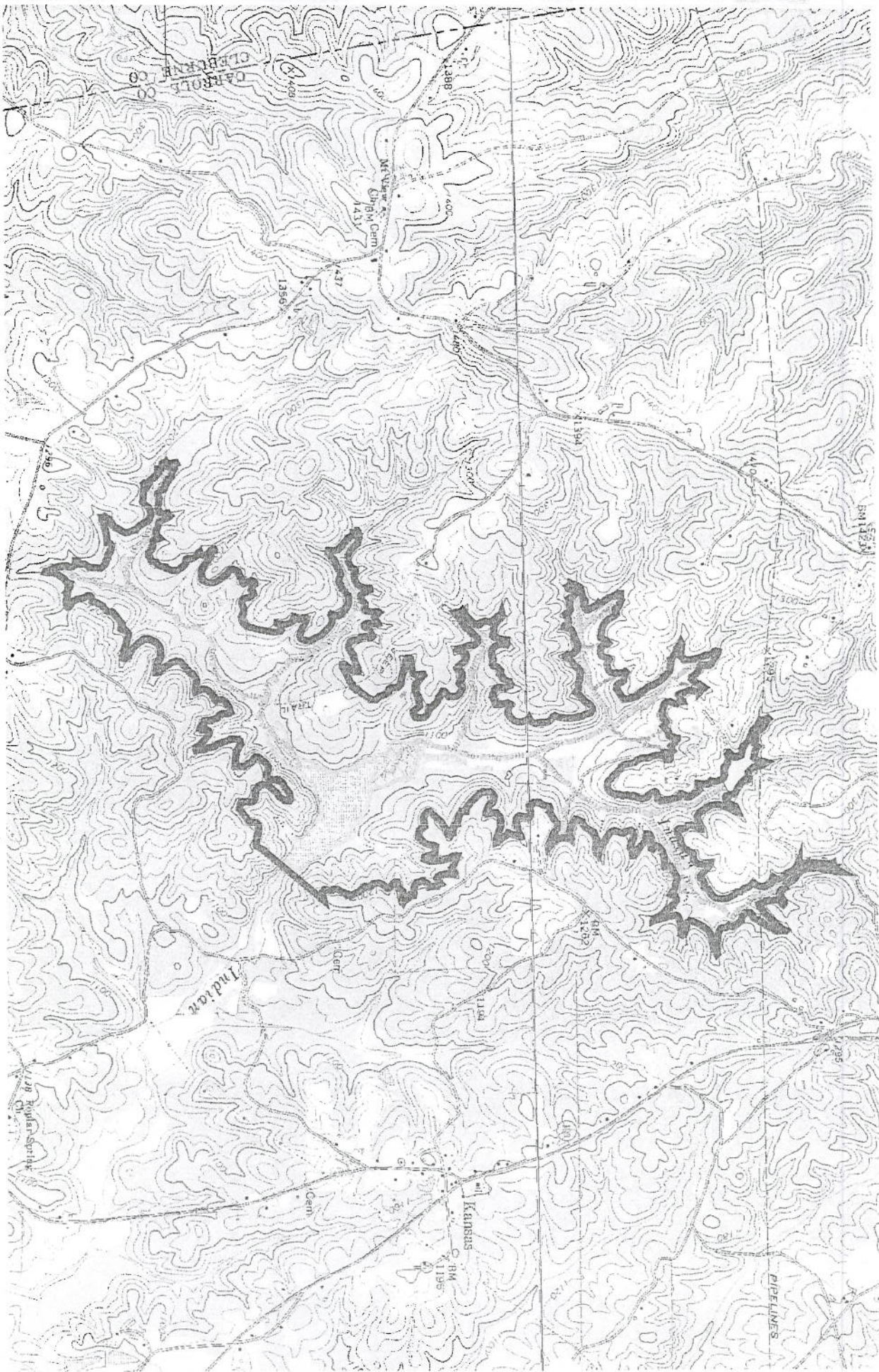
Indian Creek Site Location

1 inch = 20,000 feet



INDIAN CREEK RESERVOIR  
CARROLL COUNTY, GEORGIA

SITE LOCATION MAP



**Figure 2. Jurisdictional Waters of Indian Creek Water Supply Reservoir**

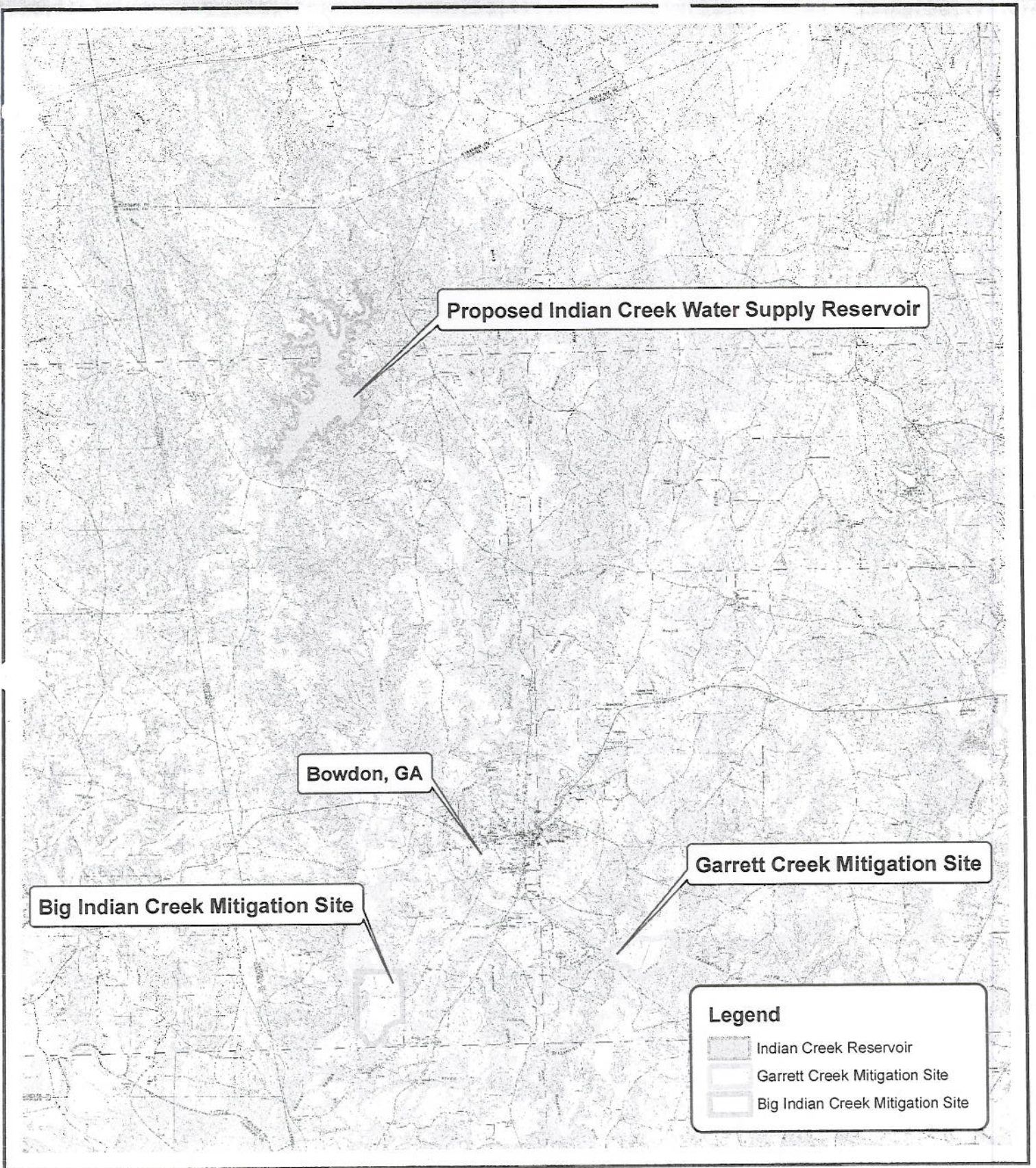


Eco South, Inc. Environmental Consultants  
October 2008.

Source: DQQQ, Lilliposa, South  
& Lowdon, west side, 1999  
Created in ArcGIS 9.1 using ActMap



ES



**FIGURE 1. Indian Creek Water Supply Reservoir and Mitigation Sites Location Map**

7.5-minute USGS Quadrangles Bowdon West, Bowdon East, Bremen, Tallapoosa South, Ropville, and Graham, GA.

Carroll County, Georgia



17,000

8,500

0

17,000 Feet

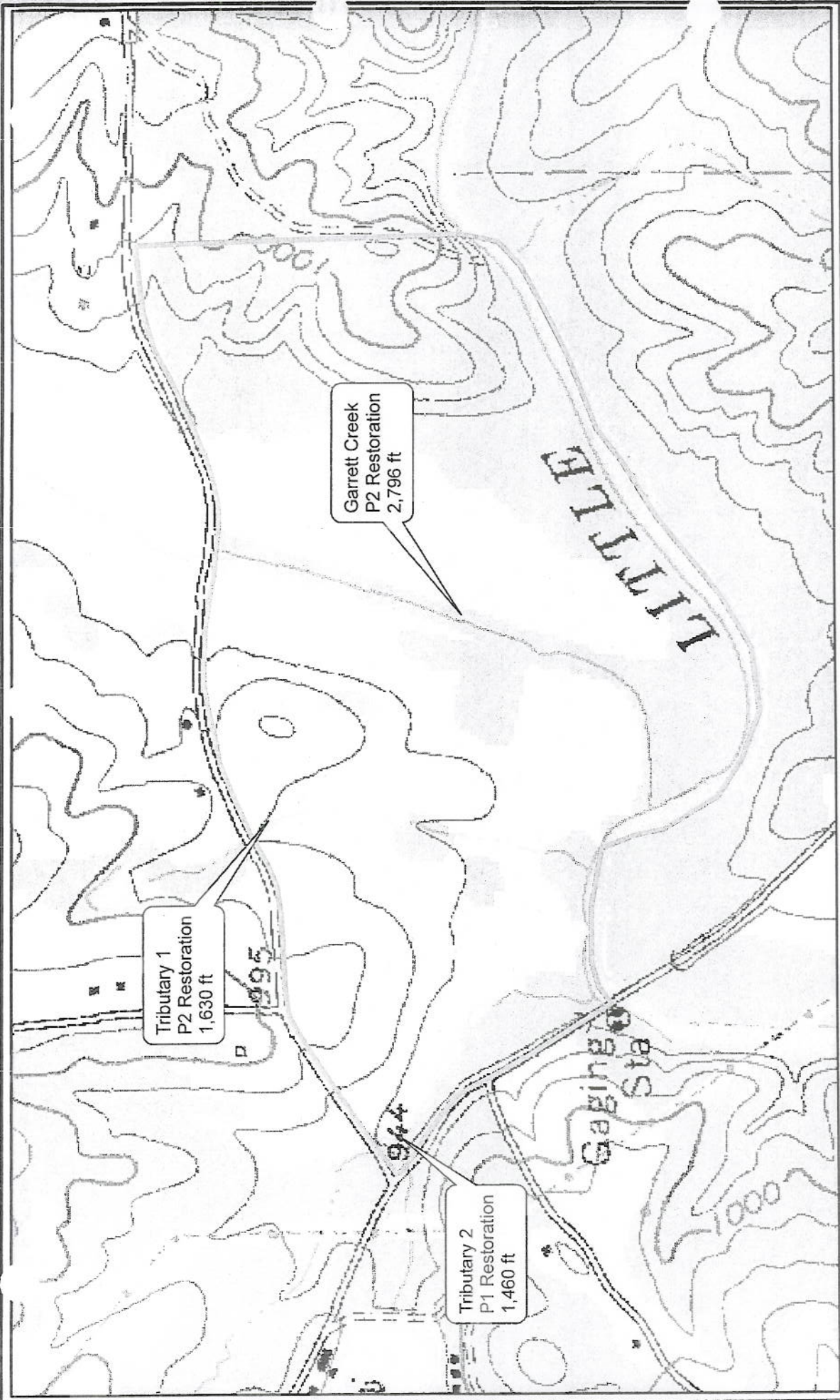


Eco-South, Inc.



Environmental Consultants





**Figure 8. Garrett Creek Mitigation Site**

Carroll County, Georgia

Little Tallapoosa River Watershed

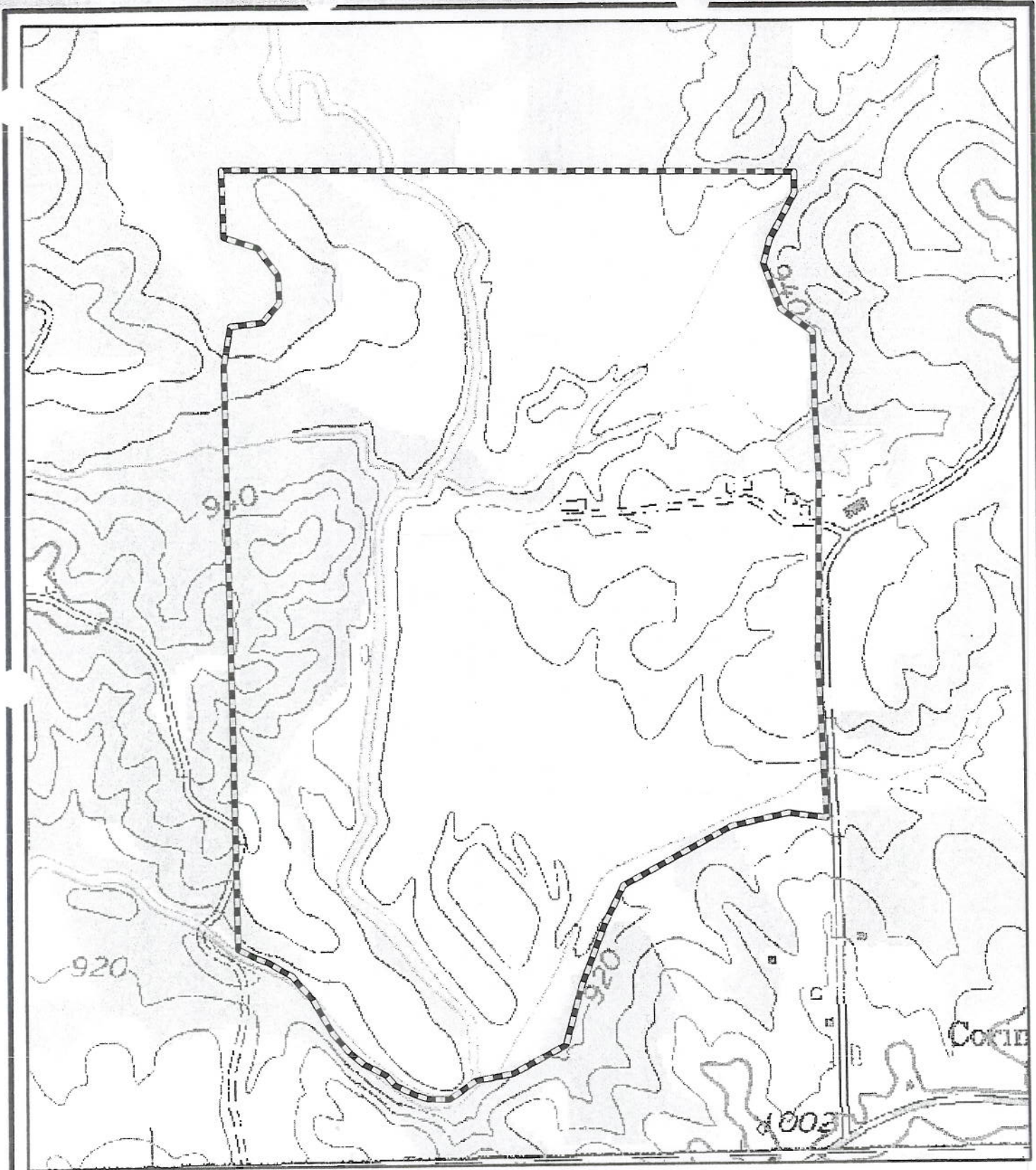
Eco-South, Inc. Environmental Consultants  
December, 2008

Source: 7.5 Minute USGS Quadrangle Bowdon East, Ga  
Created in ArcGIS 9.1 using ArcMap

Legend

Existing Property Line





**Figure 4. Big Indian Creek Mitigation Site**


Carroll County, Georgia

Little Tallapoosa River Watershed

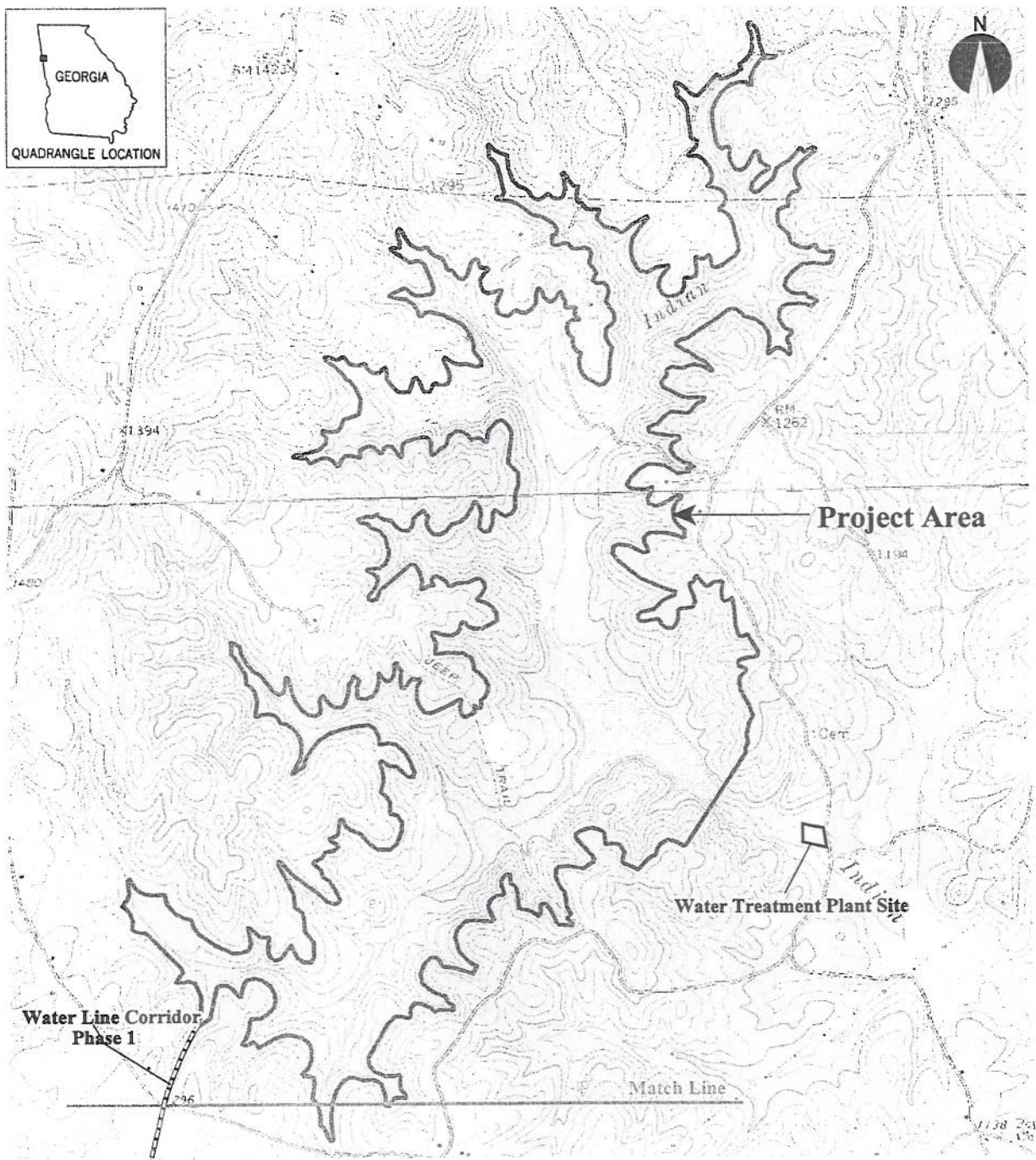
Eco-South, Inc. Environmental Consultants  
October, 2008

Source: 7.5 Minute USGS Quadrangles  
Bowdon West

**Legend**

 Existing Property Boundary





Map Reference: 7.5 Minute USGS Quadrangles  
Bowden West (1966 PR 1980) and  
Tallapoosa South (1965 PR 1980), GA-AL

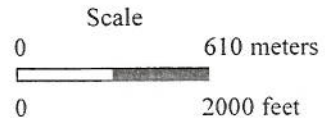


Figure 1.1a Project Area Location Map

REVISIONS

NO.	DATE	BY	CHKD.

DESIGNED BY: JCS  
 DRAWN BY: JCS  
 CHECKED BY: JCS  
 DATE: 07

PROJECT NO.: 07  
 SHEET NO.: 07

PROFESSOR OF CIVIL ENGINEERING  
 UNIVERSITY OF GEORGIA  
 ATHENS, GA 30602-2040  
 (706) 542-4000  
 FAX (706) 542-4000  
 WWW.CIVIL.UGA.EDU

SCALE IN FEET

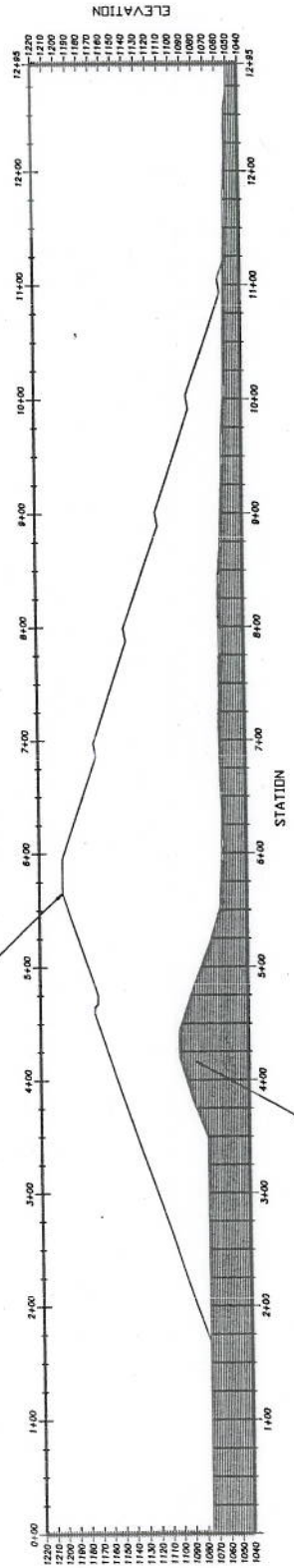


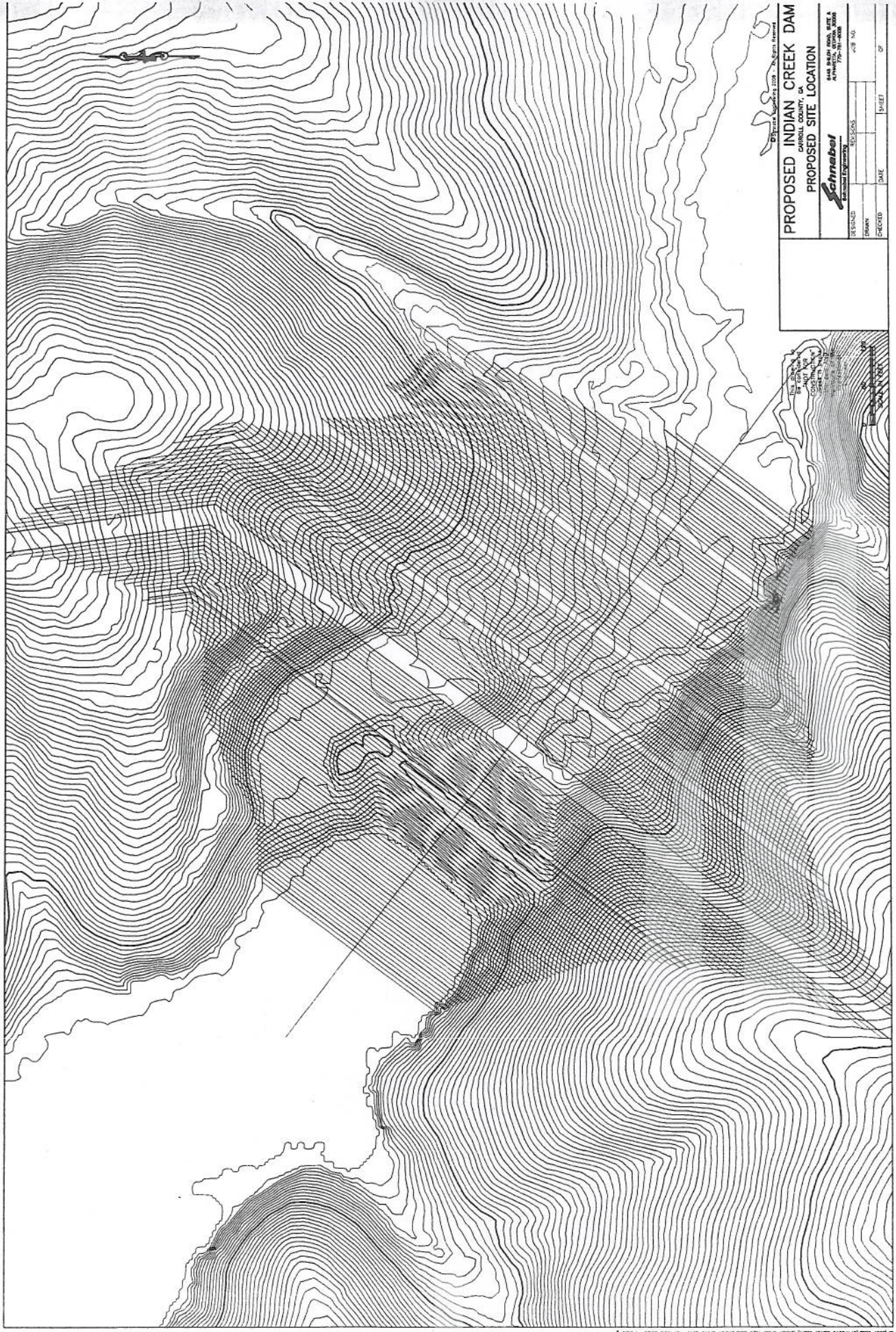
This drawing is to be considered NOT FOR CONSTRUCTION unless it bears the seal of the Professional Engineer.

**TYPICAL DAM SECTION**

PROPOSED DAM  
 EARTHEN EMBANKMENT DEFINED  
 APPROXIMATE CREST ELEV. 1100 FT

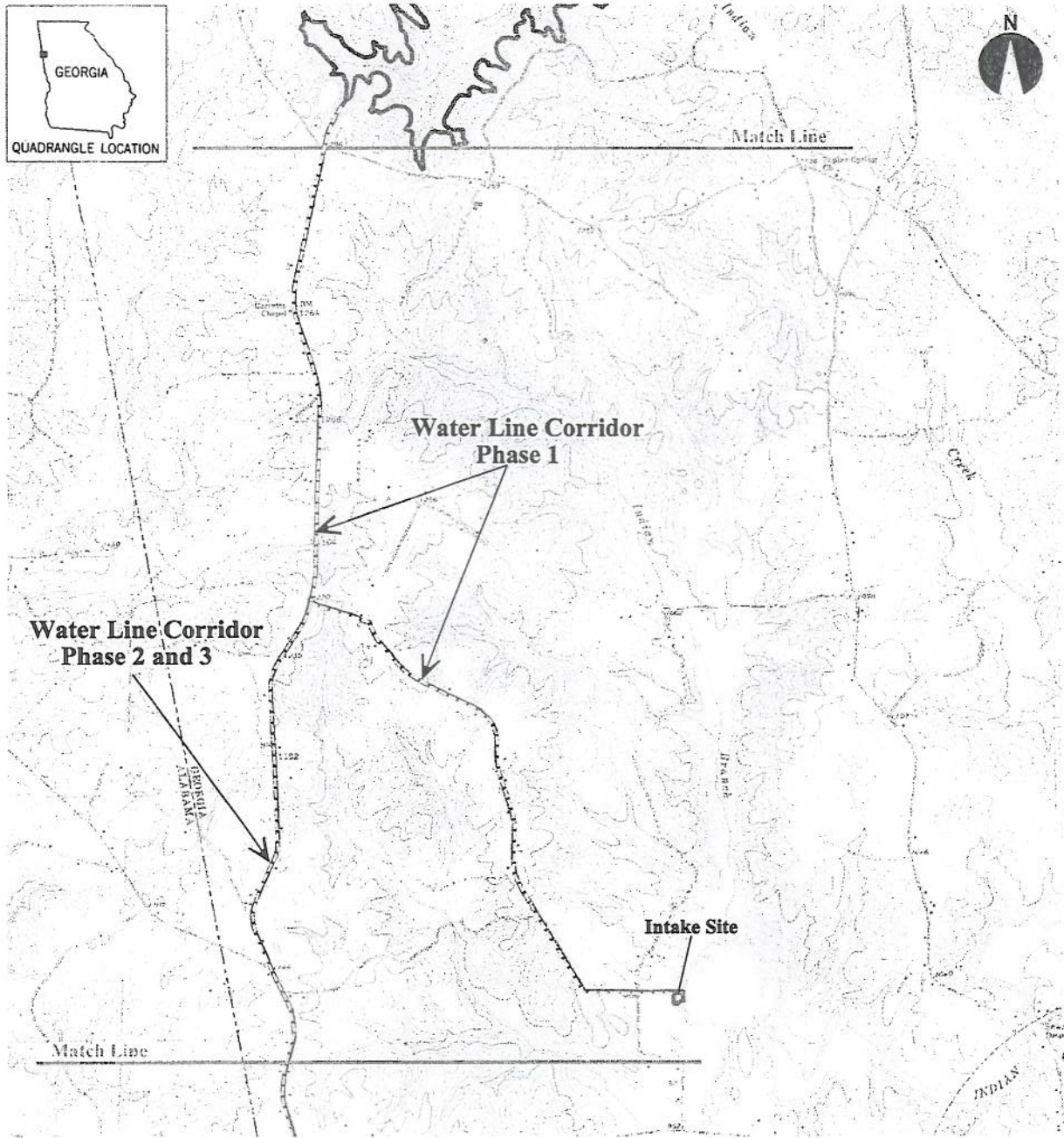
EXISTING EMBANKMENT DAM  
 APPROXIMATE CREST ELEV. 1100 FT





Proposed Site Location  
 PROPOSED INDIAN CREEK DAM  
 CARROLL COUNTY, GA  
 Schrieber  
 Local Engineering  
 1000 Peachtree Street, N.E.  
 Atlanta, Georgia 30309  
 404-525-8800  
 REVISED: \_\_\_\_\_ DATE \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_

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Map Reference: 7.5 Minute USGS Quadrangle  
Bowden West (1966 PR 1980)

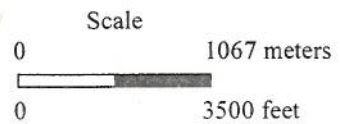
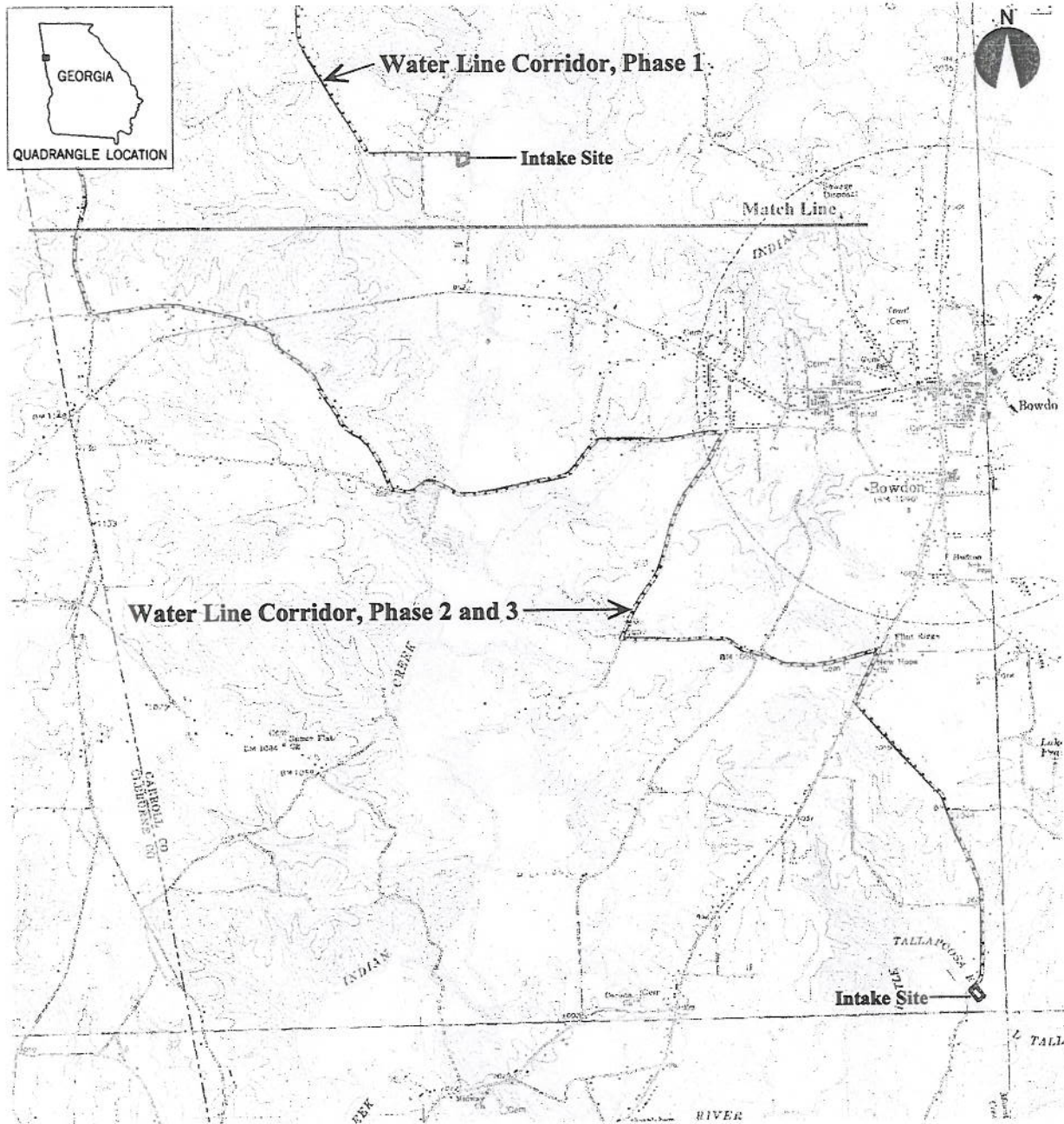


Figure 1.1b Project Area Location Map



Map Reference: 7.5 Minute USGS Quadrangles  
Bowden West (1966 PR 1980) and  
Bowden East (1965 PR 1980), GA

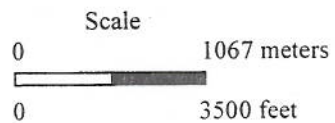


Figure 1.1c Project Area Location Map