



BRIDGE PROJECT QUESTIONNAIRE

Please provide the following information:

A. NAVIGATION DATA:

1. Name of Waterway: Blackwater River – The portion of the the river the proposed bridge is located over is Northeast of Milton, approx. 1.79 miles northwest of Intersect of SR 87/US 90.
- 1a. Mileage along waterway measured from mouth or confluence: +/- 11.0 miles N.E.
- 1b. Tributary of: Blackwater Bay, Gulf of Mexico
2. Geographic Location: SR 87/US 90 Connector(proposed) Milton, Santa Rosa, FL
(Road Number, City, County, State)

3. Township, section and range, if applicable: 02N27W30 AND 02N27W19

4. Tidally influenced at proposed bridge site? Yes X No
Range of tide: 1.2' average
Tidal data source: NOAA

5. Depth and width of waterway at proposed bridge site:
(Approximated from survey and NOAA info.)

	Depths	Widths
At Mean High Tide	<u>approx 13.4'</u>	<u>approx 160'</u>
At Mean Low Tide	<u>approx 12.2'</u>	<u>approx 160'</u>

6. Character of present vessel traffic on waterway. If none, so state: None
Canoe yes Rowboat yes Small Motorboat yes Cabin Cruiser No
Houseboat No Pontoon Boat No Sailboat no

In several visits to the site, no boats have been seen using the waterway in the location of the bridge. Conversations with local experts were used to determine the types of boats that may be in this location. Notes are attached.

6a. Provide vertical clearance requirement for largest vessel using the waterway:
12'-0" min. per FDOT PPM 2.10.1

6b. Provide photograph of each type of vessel using the waterway.
Photographs of typical boats have been attached

7. Are these waters used to transport interstate or foreign commerce?
Yes No X

7a. Are these waters susceptible to use in their natural condition or by reasonable improvement as a means to support interstate or foreign commerce?

Yes _____ No X .

- 7b. Any planned waterway improvements to permit larger vessels to navigate (to your knowledge)? NO If so, what are they? _____
-
8. Any natural or manmade obstructions, bridges, dams, weirs, etc. downstream or upstream? Yes X No _____ .
- 8a. If yes, provide upstream/downstream location with relation to the proposed bridge. US90 over Blackwater (580098) approx. 4.3 miles downstream
Deaton Bridge Rd over Blackwater (584178) approx 10 miles upstream
- 8b. If bridges are located upstream or downstream, provide vertical clearance at mean high water and mean low water and horizontal clearance normal to the axis of the channel. US90 over Blackwater (580098): 16.2' MVC @ MHW. 71' MHC at center span.
Deaton Bridge Rd over Blackwater (584178): 8' MVC, 6.5 to 7' MHC
- 8c. Provide a photograph of the bridge from the waterway showing channel spans.
Attached.
9. Will the structure replace an existing bridge? Yes _____ No X .
- 9a. Provide permit number and issuing agencies of permits for bridge(s) to be replaced. N/A
-
- 9b. Provide vertical clearance at mean high water and mean low water and horizontal clearance normal to the axis of the channel for the proposed bridge.
MVC = 12' Min. @ MHW, 13.2' min @ MLW MHC = 125'
10. List names and addresses of persons whose property adjoins bridge right-of-way.
OwnerName OWEN WILLIAM P & BETTE L, 6399 Malibu Ave, Milton, FL 32583
OwnerName MATHEWS CHARLES A, 6275 Warbler Ln, Milton, FL 32570
-
11. List names and addresses/location of marinas, marine repair facilities, public boat ramps, private piers/docks along the waterway within 1/2 mile of the bridge site.
There are no major marinas in the vicinity of the bridge site. The nearest public boat ramp is over 1/2 mile away at Whiting Park on Old River Road
-
12. Attach location map and plans for the proposed bridge; including vertical clearances above mean high water and mean low water and horizontal clearance normal to axis of the waterway. Design is pending. Conceptual drawings have been included for reference.

13. Attach three (3) photographs taken at the proposed bridge site: one looking upstream, one looking downstream, and one looking along the alignment centerline across the bridge site. 3 Photographs are attached

Name of applicant: _____ Robert Alonso

Name of agent completing questionnaire: _ Robert Alonso

Name of agent's firm: _____ Finley Engineering Group, Inc.

Agent's telephone number: _____ 850-894-1600

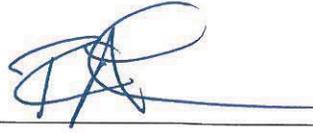
Address for correspondence: _____ 1589 Metropolitan Blvd. Tallahassee, FL 32308

Applicant's telephone number: _____ 850-894-1600

Date: _____

12/20/11

Signature: _____



**PLEASE NOTE: MISSING INFORMATION AND REQUIRED SIGNATURES WILL
DELAY PROCESSING**

Attachments: Location Map
NOAA Tidal Information
Bridge Concept Plans
Photographs



Project SR87	Project No.	Designed RA	Date 2/12	Sheet
Subject PHONE LOG	Checked	Date	Of	

BLACKWATER RIVER STATE PARK
"MARSHALL" 850-983-5363

- ONLY KAYAKS, CANOES UP NORTH
- SOUTH - MAX BOAT LENGTH 16'-20'
- AVERAGE DEPTH OF 2' @ HIS PARK
NEAR DEATON'S BRIDGE
- CALL WHITING PARK FOR MORE INFO
- THEY RENT BOATS.



Project SR87	Project No.	Designed RA	Date 2/12	Sheet
Subject PHONE LOGS	Checked	Date	Of	

WHITING PARK 850-623-2383

"JAMES BARNES" - BOAT MECHANIC

- THEY RENT BOATS HERE
- THEY DO NOT LET THEIR BOATS PASS 1ST SET OF POWER LINES (NEAR COOPER BASIN) BECAUSE IT'S TOO SHALLOW
- HE HAS CANOED RIVER MANY TIMES
 - ONLY SEES CANOES, KAYAKS, SMALL PONTOON
- @ LOCATION OF NEW BRIDGE, NO PONTOONS
 - CANOES, KAYAKS, JON BOATS, JET SKIS
- ESTIMATES \pm 8' MAX BOAT HEIGHT (COVER) NORTH OF US 90.
- WHEN FWC COMES THEY STOP @ RAILROAD BRIDGE.
- CLEARANCE LIMITED @ RAILROAD
 - ONLY OPENS FOR BIGGER BOAT
- SOMETIMES FWC SWAPS BOATS + USES JON BOAT



Project SR87	Project No.	Designed RA	Date 2/12	Sheet
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MARQUIS BAYOU MARINA 850-266-7728
"RAY YANG"

- SEES ± DOZEN BOATS/DAY

SOUTH OF I-10:

- CABIN CRUISER
- SEA RAYS
- 40' CLEAR @ I-10
- MUCH LOWER @ US90

NORTH OF 90:

- SMALL BOATS
- RECREATIONAL ONLY - LIMITED BY 90 BRIDGE

UP TO 50' LENGTH @ HIS MARINA,
BUT NOT NORTH OF US90



Project Site

1st Set of Power Lines

Railroad Bridge

US90 Bridge



Pontoon boats are often on the river, however their access is limited by the water depth several miles downstream near the power lines at Cooper Basin. Pontoons can not access the river near the bridge site.



Kayaks and Canoes are the typical boat seen in the proposed bridge location

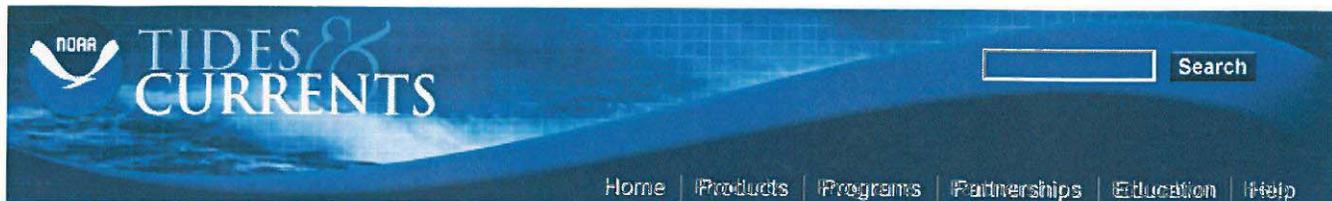


Kayaks and Canoes are the typical boat seen in the proposed bridge location



Small Motor boats are often seen on the river near the bridge at US90, however their access is limited by the water depth near the power lines at Cooper Basin. They can not access the river near the bridge site.





Station Home Page

Pensacola, FL

Pensacola, FL: [Data Inventory](#)

Station Information

Station ID: 8729840

[Page Help](#)

Tide / Water Level Data

Datums

Click [HERE](#) for printable version

Tide Predictions

Current Data

Data Units:

Feet Meters

Meteorological Observations

Conductivity

Nov 28 2011 21:00 GMT **ELEVATIONS ON STATION DATUM**
National Ocean Service (NOAA)

PORTS

Operational Forecast System

Station: 8729840
Name: Pensacola, FL
Status: Accepted (Apr 15 2004)

T.M.: 0 W
Units: Feet
Epoch: 1983-2001
Datum: STND

Bench Mark Sheets

Datums

Harmonic Constituents

Sea Level Trends

Datum	Value	Description
MHHW	9.69	Mean Higher-High Water
MHW	9.66	Mean High Water
MTL	9.06	Mean Tide Level
DTL	9.06	Mean Diurnal Tide Level
MSL	9.05	Mean Sea Level
NAVD88	8.75	North American Vertical Datum of 1988
MLW	8.46	Mean Low Water
MLLW	8.43	Mean Lower-Low Water
STND	0.00	Station Datum
GT	1.26	Great Diurnal Range
MN	1.20	Mean Range of Tide
DHQ	0.03	Mean Diurnal High Water Inequality
DLQ	0.03	Mean Diurnal Low Water Inequality
Maximum	17.10	Highest Observed Water Level
Max Date	19260918	Highest Observed Water Level Date
Max Time	12:00	Highest Observed Water Level Time
Minimum	6.00	Lowest Observed Water Level
Min Date	19240106	Lowest Observed Water Level Date
Min Time	09:36	Lowest Observed Water Level Time
HAT	10.61	Highest Astronomical Tide
HAT Date	19870808	Highest Astronomical Tide Date
HAT Time	15:42	Highest Astronomical Tide Time
LAT	7.26	Lowest Astronomical Tide
LAT Date	19880118	Lowest Astronomical Tide Date
LAT Time	14:42	Lowest Astronomical Tide Time

Tidal Datum Analysis Period: 01/01/1983 - 12/31/2001

Click [HERE](#) for further station information including New Epoch products.

To refer Water Level Heights to NAVD88 (North American Vertical Datum of 1988), apply the values located at: [National Geodetic Survey](#)

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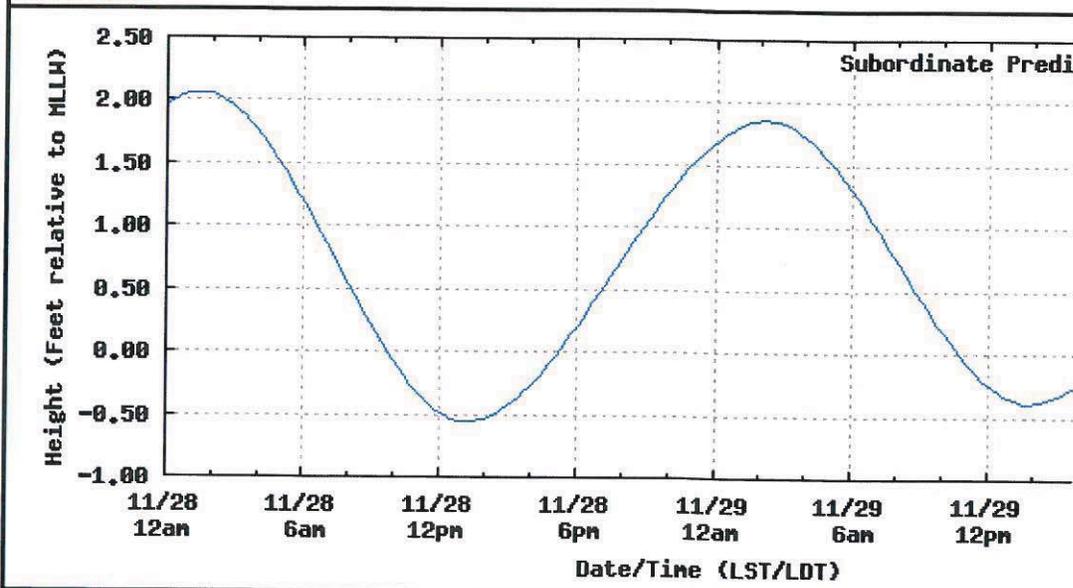
Milton, Blackwater River, StationId: TEC4383

Referenced to Station: PENSACOLA (8729840)
 Height offset in feet (low:*1.20 high: * 1.20) Time offset in mins (low:107 high: 100)

Daily Tide Prediction in Feet
 Time Zone: LST/LDT
 Datum: MLLW

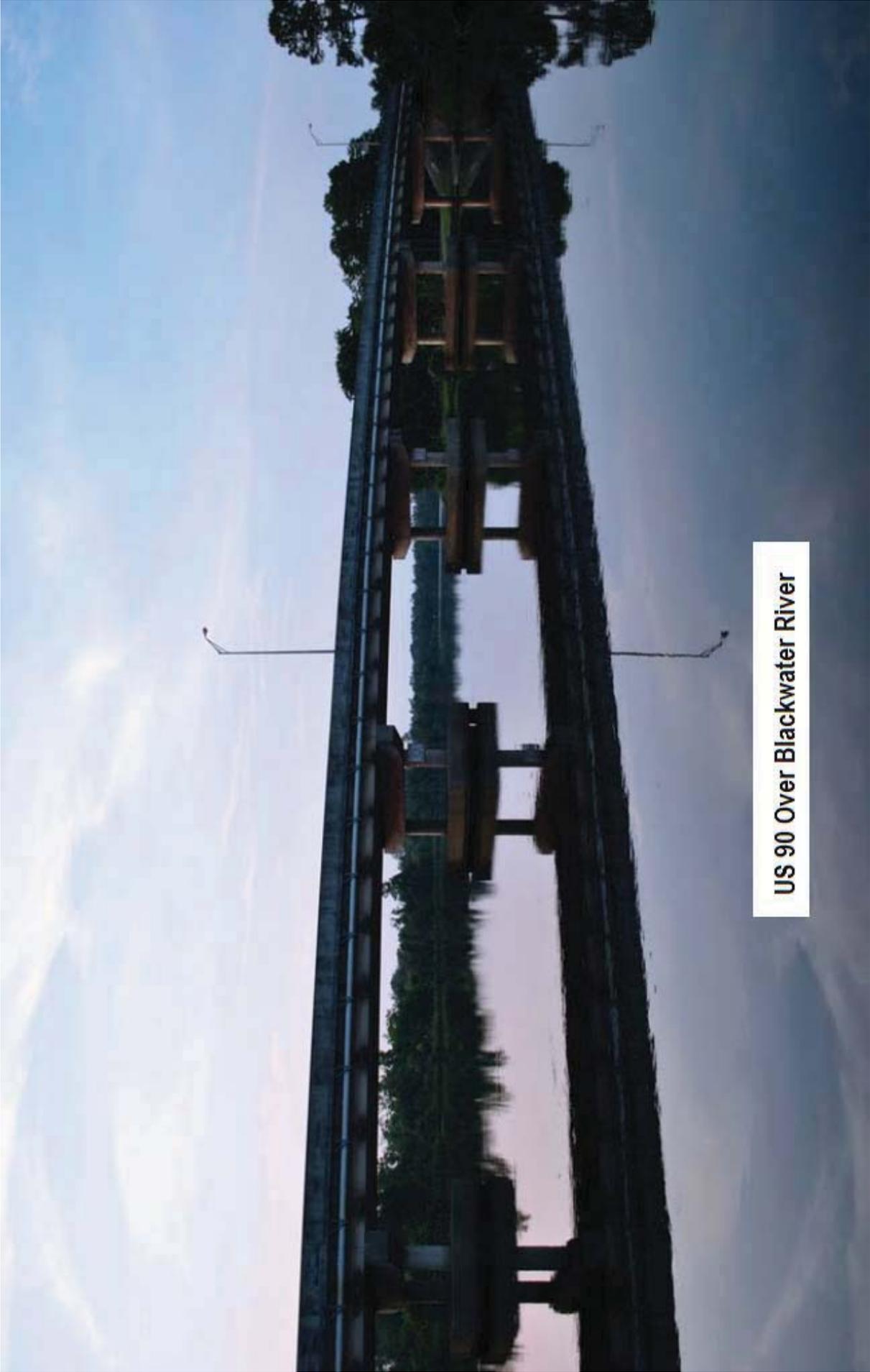
◀ 2011/11/28 - 2011/11/29 ▶

[Back](#)



Disclaimer: These data are based upon the latest information available as of the date of your request, published tide tables.
Note: For predictions of Subordinate stations, the solid blue line depicts a curve fit between the high ; approximates the segments between.

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US 90 Over Blackwater River

FLORIDA DEPARTMENT OF TRANSPORTATION
BRIDGE MANAGEMENT SYSTEM
STRUCTURE LEVEL INVENTORY REPORT

BRIDGE ID: 584178

PAGE: 3 OF 3



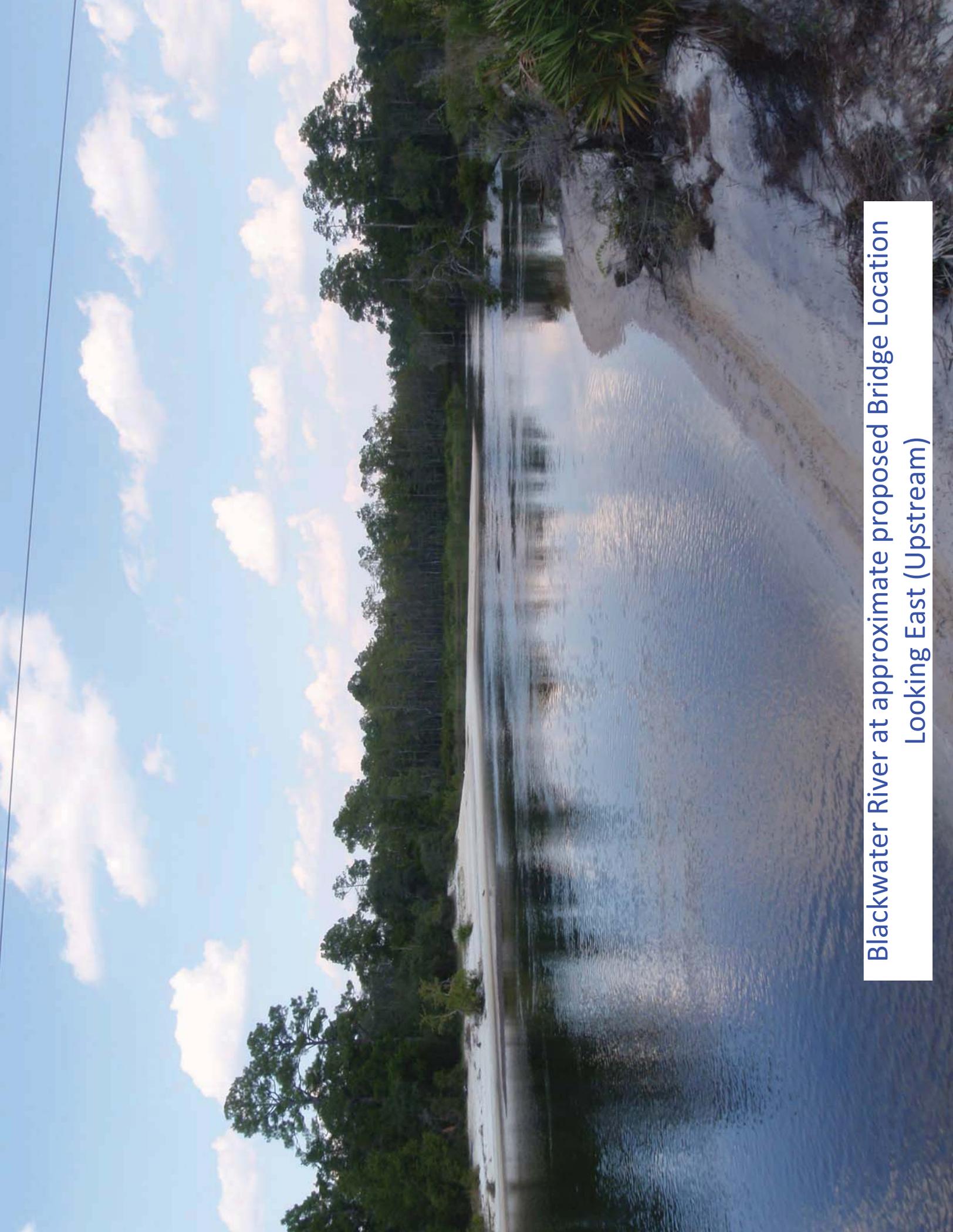
Profile

Inventory Date - 06/13/2011

This report contains information relating to the physical security of a structure and depictions of the structure. This information is confidential and exempt from public inspection pursuant to sections 119.071(3)(a) and 119.071(3)(b), Florida Statutes.

REPORT ID: INVT017

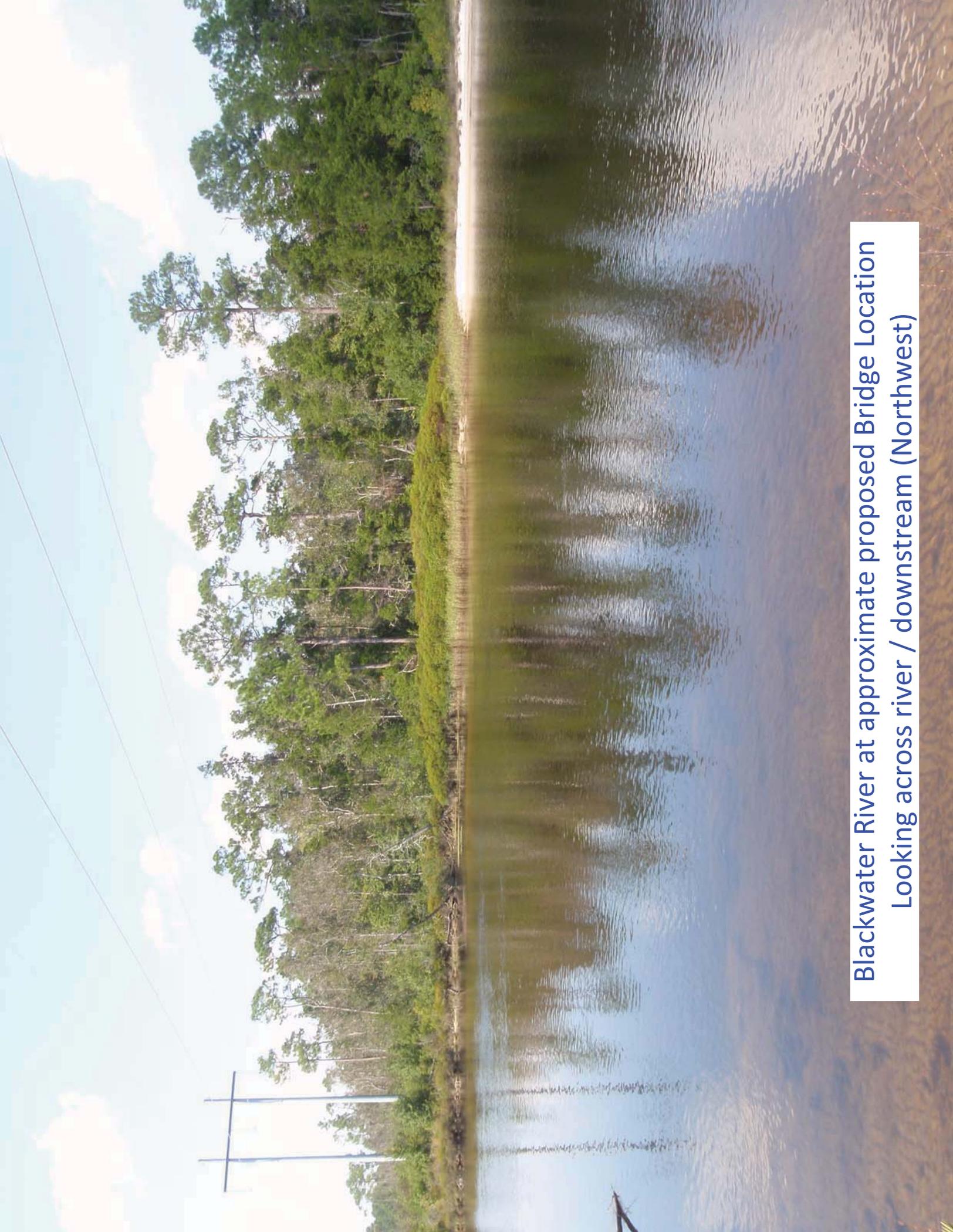
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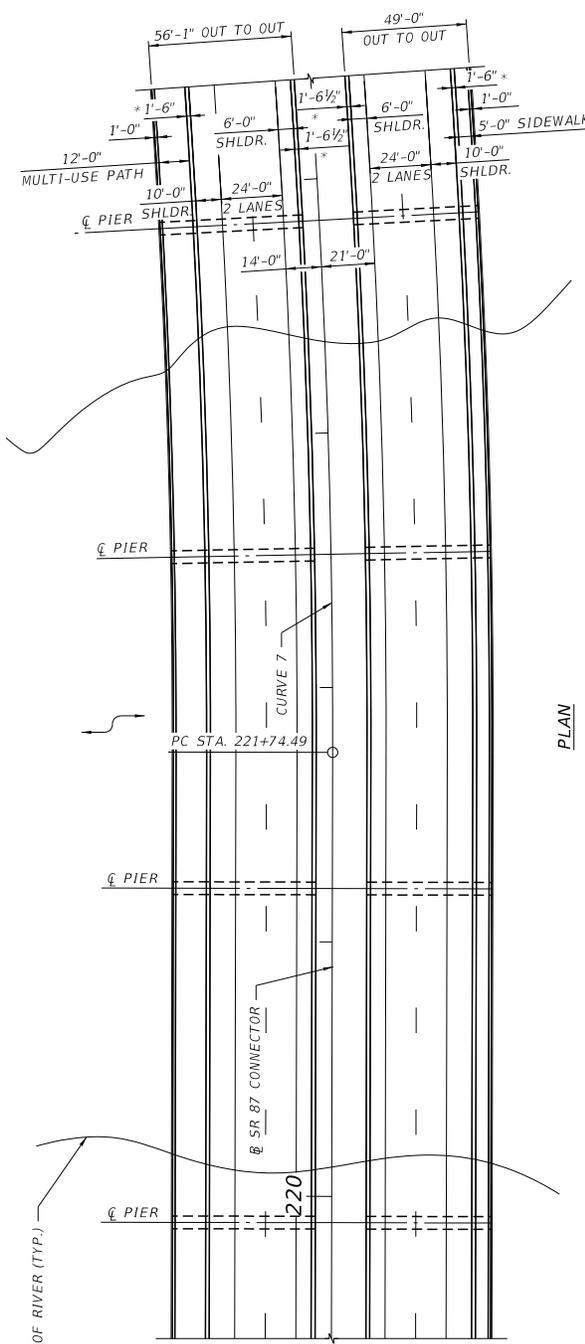
Blackwater River at approximate proposed Bridge Location
Looking East (Upstream)



**Blackwater River at approximate proposed Bridge Location
Looking Across River (looking approx Northeast)**

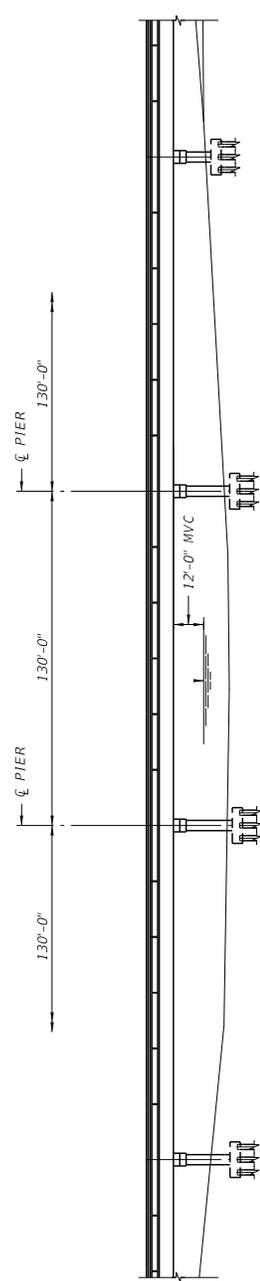


Blackwater River at approximate proposed Bridge Location
Looking across river / downstream (Northwest)



* 32" F SHAPE TRAFFIC RAILING BARRIER
 FDOT INDEX NO. 420.
 ** PEDESTRIAN/BICYCLE RAILING FDOT INDEX NO. 820
 WITH ALUMINUM BULLET POST "A" FDOT INDEX NO. 822.

PLAN



ELEVATION

BRIDGE NO. 1

REVISIONS		DESCRIPTION	
DATE	BY	DATE	DESCRIPTION

DRAWN BY: DAL		STATE OF FLORIDA	
CHECKED BY: RAA		DEPARTMENT OF TRANSPORTATION	
ROAD NO. SR 87		COUNTY	SAVIA ROSA
FINLEY PROJECT ID		416748-3-22-01	
FINLEY ENGINEERING GROUP, INC.		www.FinleyEngineeringGroup.com	
1589 Metropolitan Blvd. Tallahassee, FL 32308 Tel: 904-884-6614 Fax: 904-884-6614 Certificate of Authorization No. 26198		PROJECT NAME	
SR 87 CONNECTOR		SHEET NO.	
		SEE DWG. NO.	