

PREDESIGN-PRESURVEY REPORT

Project# _____
TIP# _____
Let Date _____
WBS# 17BP.6 R.77

County ROBERTSON

Bridge# 770026
Road# SR 1955 (Regan Ch Rd.)
Stream TEN MILE SWAMP

Type Of Request: POC Force Account TIP NCMA

Date 6/6/16 Name Matthew Moon

Assigned To Andy Jordan

Checked By _____

Prior Survey Date NONE (attach copy of prior survey)

Study By Scour Section NO

Flood Zone YES Detail Study LIMITED Date 1/19/05 Panel# 3720032400J0324

B.M. Info _____

Quad Map NE LUMBERTON Drainage Area 17.4 mi² From DASS
Q25 2539 cts Q50 3129 cts Q100 3760 cts Method USGS RUAL REGRESSION

EXISTING BRIDGE INFORMATION

Location 0.2 MI. S JCT. SR 1005

Average Daily Traffic 710

Length 73 FT Bed- To Crown 17 ft Water Depth 11 ft

Type Structure STEEL PLANK ON I-BEAMS

Type Spans 1 @ 18'3" ; 2 @ 18'1" ; 1 @ 23.125 CTS

Upstream Structure 770026 3 @ 46' SPAN (SR 1935)

Location 0.5 MI. W JCT SR 1955

Bed- To Crown 17 ft Prior Survey 5-6-96

Downstream Structure 770046 8 @ 22' SR 1004

Location 0.1 MI. E JCT SR 1969 (SR 1004)

Bed- To Crown 17 ft Prior Survey 8-58

SCS Watershed _____

ENVIRONMENTAL

Trout Stream NO Anadromous Fish NO Primary Nursery Area NO

High Quality Waters NO Nutrient Sensitive Waters NO

Near Water Supply Intake NO CAMA County NO

Stream Classification C:SW

DENR River Basin Info. LOWER PEE DEE ? Lumber

offra estimated Min bry length = 140'



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION STRUCTURE DATA CHANGES / TEMPORARY
SHORING AND REPAIRS

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY ROBESON BRIDGE NUMBER 770026 INSPECTION CYCLE 2 YRS
ROUTE SR1955 ACROSS TEN MILE SWAMP M.P. 0

LOCATION 0.2MI.S.JCT.SR1005

SUPERSTRUCTURE STEEL PLANK FLOOR ON I-BEAMS

SUBSTRUCTURE EBTS&IBTS:TIM CAPS&PILES & TIM. CROSSCAPS ADDED @ BT2&3.

SPANS 1 @ 18'3;2 @ 18'1;1 @ 18'3

LONGITUDE 78° 53' 55.25"

LATITUDE 34° 43' 49.95"

INSPECTION DATE 05/15/2014

PRESENT CONDITION POOR

PRESENT POSTING Y

NOT POSTED

PROPOSED POSTING

OTHER SIGNS PRESENT 4 DELINEATORS



LOOKING NORTH (REGAN ROAD)

Fracture Critical	<u>No</u>
Temporary Shoring	<u>Yes</u>
Scour Critical	<u>No</u>
Scour POA	<u>Yes</u>

SIGN NOTICE ISSUED FOR	NUMBERED REQUIRED
<u>No</u> WEIGHT LIMIT	<u></u>
<u>No</u> DELINEATORS	<u></u>
<u>No</u> NARROW BRIDGE	<u></u>
<u>No</u> ONE LANE BRIDGE	<u></u>
<u>No</u> LOW CLEARANCE	<u></u>

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 06/18/2014

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :
ROBESON	6	1	770026	73 FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1955	TEN MILE SWAMP

LOCATED :	BRIDGE NAME :	CITY :
0.2MI.S.JCT.SR1005		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	710 2012	LT 233 RT 233

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1977	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
			TAN	90	ON 2 UNDER 0

NAVIGATION :	HT. CRN. TO BED :	WATER DEPTH :
VC 0 FT HC 0 FT 17 FT		11 FT

SUPERSTRUCTURE :	STEEL PLANK FLOOR ON I-BEAMS
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SUBSTRUCTURE :	EBTS&IBTS:TIM CAPS&PILES & TIM. CROSSCAPS ADDED @ BT2&3.
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SPANS :	1 @ 18'3;2 @ 18'1;1 @ 18'3
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BEAMS OR GIRDERS :	15 LINES 12 I-BEAMS @ 23.125 CTS.
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
STL.PLK/5 AWS		28.292 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
27.292 FT	27.292 FT	LT 0 FT RT 0 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	DATE
HS-1	HS-1	Bm 8 Sp3	SV TTST	06/04/2012

SYSTEM :	GREEN LINE ROUTE :
Secondary S.R. Route	N

UNDER ROUTES AND CLEARANCES

REMARKS :

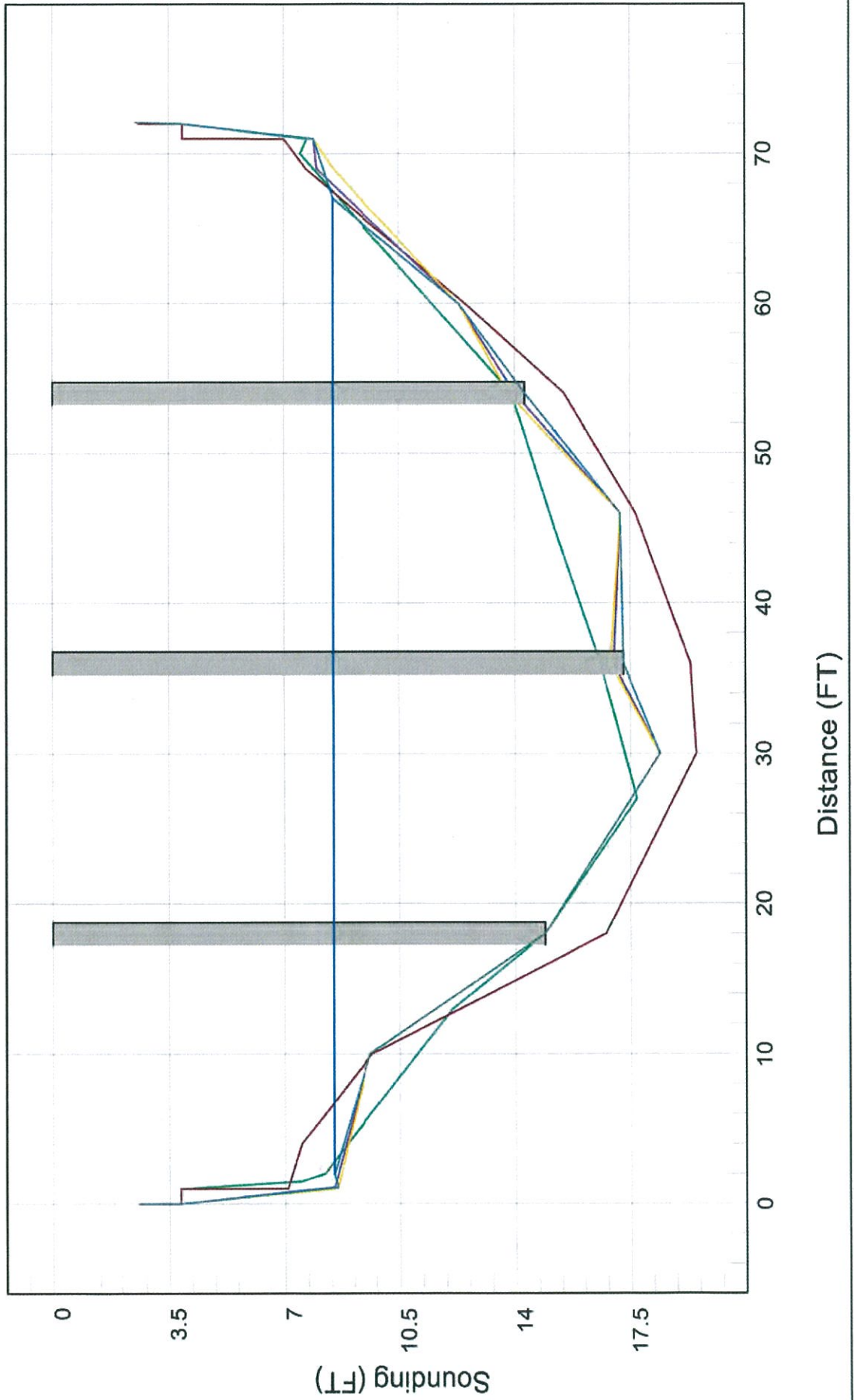
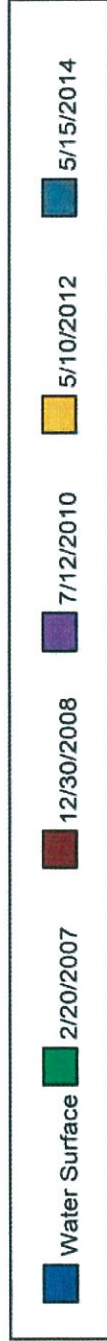
Bridge: 770026

County ROBESON

Date: 05/15/2014

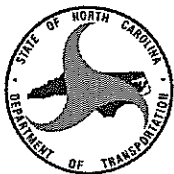
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



$17 \times 1.5 = 25.5 \times 2 = 51 + 20 + 70 = 141$

UPSTREAM



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY ROBESON BRIDGE NUMBER 770061 INSPECTION CYCLE 2 YRS
ROUTE SR1935 ACROSS TEN MILE SWAMP M.P. 0

LOCATION 0.5 MI.W.JCT.SR1955

SUPERSTRUCTURE PPC CORED SLAB

SUBSTRUCTURE EBTS&IBTS:RC CAPS/H-PILES @ VAR.CTRS.

1@46.25',1@45.25',1@46.25'

SPANS 1@46.3'(14.100M),1@45.3'(13.800M),1@46.3'(14.100M)

LONGITUDE 78° 55' 18.67"

LATITUDE 34° 42' 10.24"

INSPECTION DATE 02/24/2014

PRESENT CONDITION GOOD

PRESENT POSTING Not Posted

PROPOSED POSTING

OTHER SIGNS PRESENT NONE



LOOKING EAST (HOWELL ROAD)

Fracture Critical	<u>No</u>
Temporary Shoring	<u>No</u>
Scour Critical	<u>No</u>
Scour POA	<u>No</u>

SIGN NOTICE ISSUED FOR	NUMBERED REQUIRED
<u>No</u> WEIGHT LIMIT	<u></u>
<u>No</u> DELINEATORS	<u></u>
<u>No</u> NARROW BRIDGE	<u></u>
<u>No</u> ONE LANE BRIDGE	<u></u>
<u>No</u> LOW CLEARANCE	<u></u>

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 03/20/2014

COUNTY : ROBESON DIVISION : 6 DISTRICT : 1 STRUCTURE NUMBER : 770061 LENGTH : 138 FEET

ROUTE CARRIED : SR1935 FEATURE INTERSECTED : TEN MILE SWAMP

LOCATED : 0.5 MI.W.JCT.SR1955 BRIDGE NAME : CITY :

FUNC. CLASS : 07 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 410 2011 RAIL TYPE : LT 41 RT 41

BUILT : 1998 BY : DOH PROJ : 8.2461101 FED.AID PROJ : BRZ19351 DESIGN LOAD : HS 20 + MOD

REHAB : BY : PROJ : ALIGNMENT : TAN. SKEW : 90 LANES : ON 2 UNDER 0

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 12 FT WATER DEPTH : 7 FT

SUPERSTRUCTURE : PPC CORED SLAB

SUBSTRUCTURE : EBTS&IBTS:RC CAPS/H-PILES @ VAR.CTRS.

SPANS : 1@46.25';1@45.25';1@46.25'
1@46.25';1@45.25';1@46.25'

BEAMS OR GIRDERS : 10 LNS 36" PRESTRESSED CONCRETE CORED SLAB SECTIONS

FLOOR : PPCCS/4 AWS ENCROACHMENT : DECK (OUT TO OUT) : 30 FT

CLEAR ROADWAY : BETWEEN RAILS : SIDEWALK OR CURB : LT 0 FT RT 0 FT
26.92 FT 26.92 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-26 OPE.RTG. : HS-43 CONTR.MEMBER : Cored Slab POSTED : SV TTST DATE 10/07/1998

SYSTEM : Secondary S.R. Route GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

upstream

REMARKS :

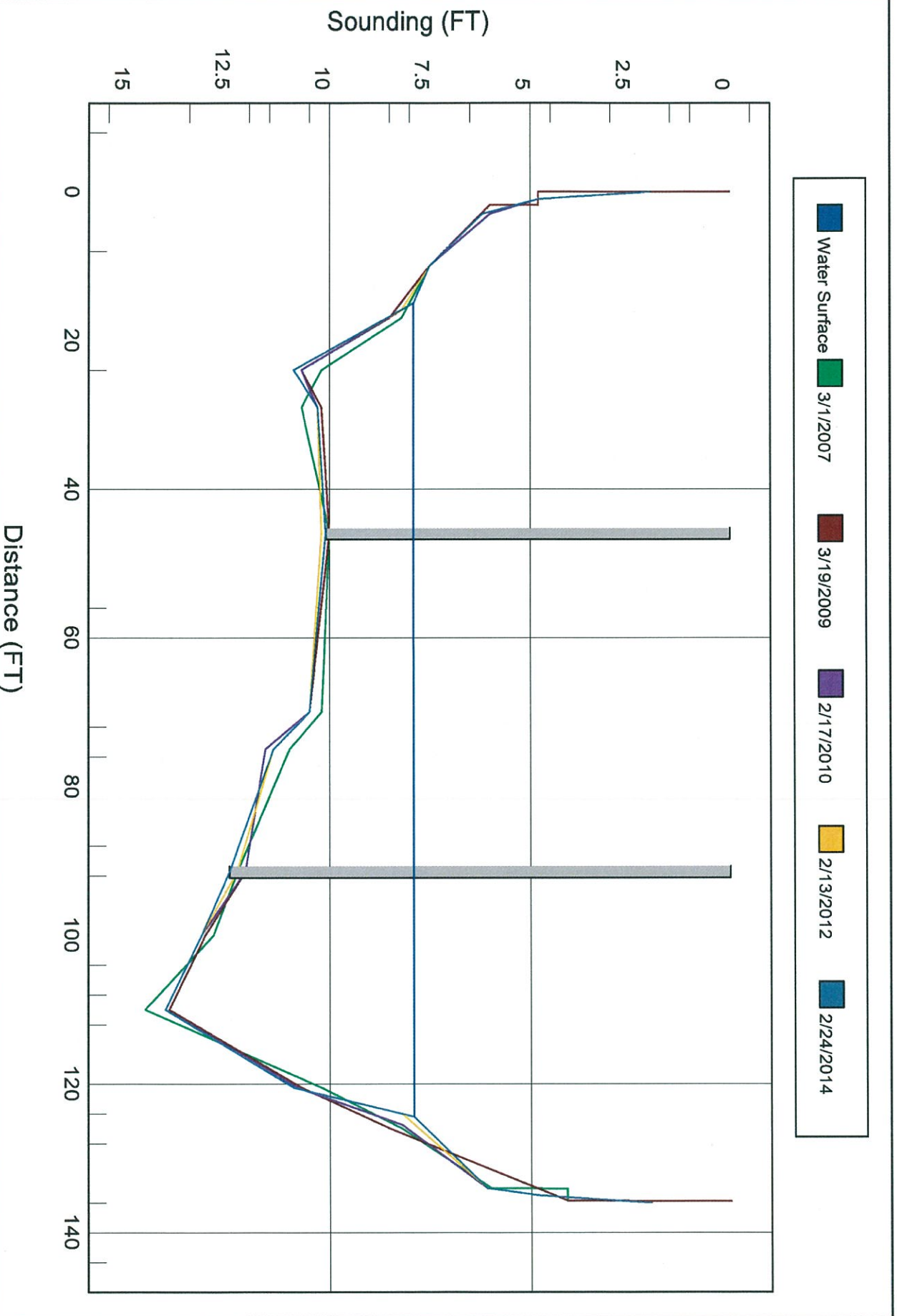
Bridge: 770061

County ROBESON

Date: 02/24/2014

Top of Rail = 0 FT (Sounding)

STREAMBED PROFILE (Downstream)



DOWNSTREAM



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY ROBESON

BRIDGE NUMBER 770046

INSPECTION CYCLE 2 YRS

ROUTE SR1004

ACROSS BIG SWAMP

M.P. 0

LOCATION 0.1 MI E JCT SR1969

SUPERSTRUCTURE CONT.REINFORCED CONCRETE MONOLITHIC SLAB

SUBSTRUCTURE EBT1:CAP/H-PILES;EBT2&BTS:RC CAPS/PPC PILES

SPANS 1@23.3';6@22';1@23.3' CONT.

LONGITUDE 78° 50' 11.53"

LATITUDE 34° 42' 36.10"

INSPECTION DATE 05/15/2014

PRESENT CONDITION FAIR

PRESENT POSTING Y

SV 38; TTST 99

PROPOSED POSTING

OTHER SIGNS PRESENT 4 DELINEATORS



LOOKING EAST (TAR HEEL ROAD)

Fracture Critical	No
Temporary Shoring	No
Scour Critical	No
Scour POA	No

SIGN NOTICE ISSUED FOR	NUMBERED REQUIRED
No WEIGHT LIMIT	
No DELINEATORS	
No NARROW BRIDGE	
No ONE LANE BRIDGE	
No LOW CLEARANCE	

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 06/17/2014

COUNTY : ROBESON DIVISION : 6 DISTRICT : 1 STRUCTURE NUMBER : 770046 LENGTH : 179 FEET

ROUTE CARRIED : SR1004 FEATURE INTERSECTED : BIG SWAMP

LOCATED : 0.1 MI E JCT SR1969 BRIDGE NAME : CITY :

FUNC. CLASS : 07 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 3200 2011 RAIL TYPE : LT 141 RT 141

BUILT : 1959 BY : SHC PROJ : 8.26426 FED.AID PROJ : DESIGN LOAD : H 15

REHAB : BY : PROJ : ALIGNMENT : TAN SKEW : 90 LANES : ON 2 UNDER 0

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 17 FT WATER DEPTH : 6 FT

SUPERSTRUCTURE : CONT.REINFORCED CONCRETE MONOLITHIC SLAB

SUBSTRUCTURE : EBT1:CAP/H-PILES;EBT2&BTS:RC CAPS/PPC PILES

SPANS : 1@23.3';6@22';1@23.3' CONT.

BEAMS OR GIRDERS : CONT.REINFORCED CONCRETE MONOLITHIC SLAB

FLOOR : 13 RC/NO AWS ENCROACHMENT : DECK (OUT TO OUT) : 26.5 FT

CLEAR ROADWAY : 24 FT BETWEEN RAILS : 26.25 FT SIDEWALK OR CURB : LT 1.125 FT RT 1.125 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-16 OPE.RTG. : HS-27 CONTR.MEMBER : Cont Slab POSTED : SV 38 TTST LGW DATE 08/10/2010

SYSTEM : Secondary S.R. Route GREEN LINE ROUTE : N

UNDER ROUTES AND CLEARANCES

Downstream

REMARKS :

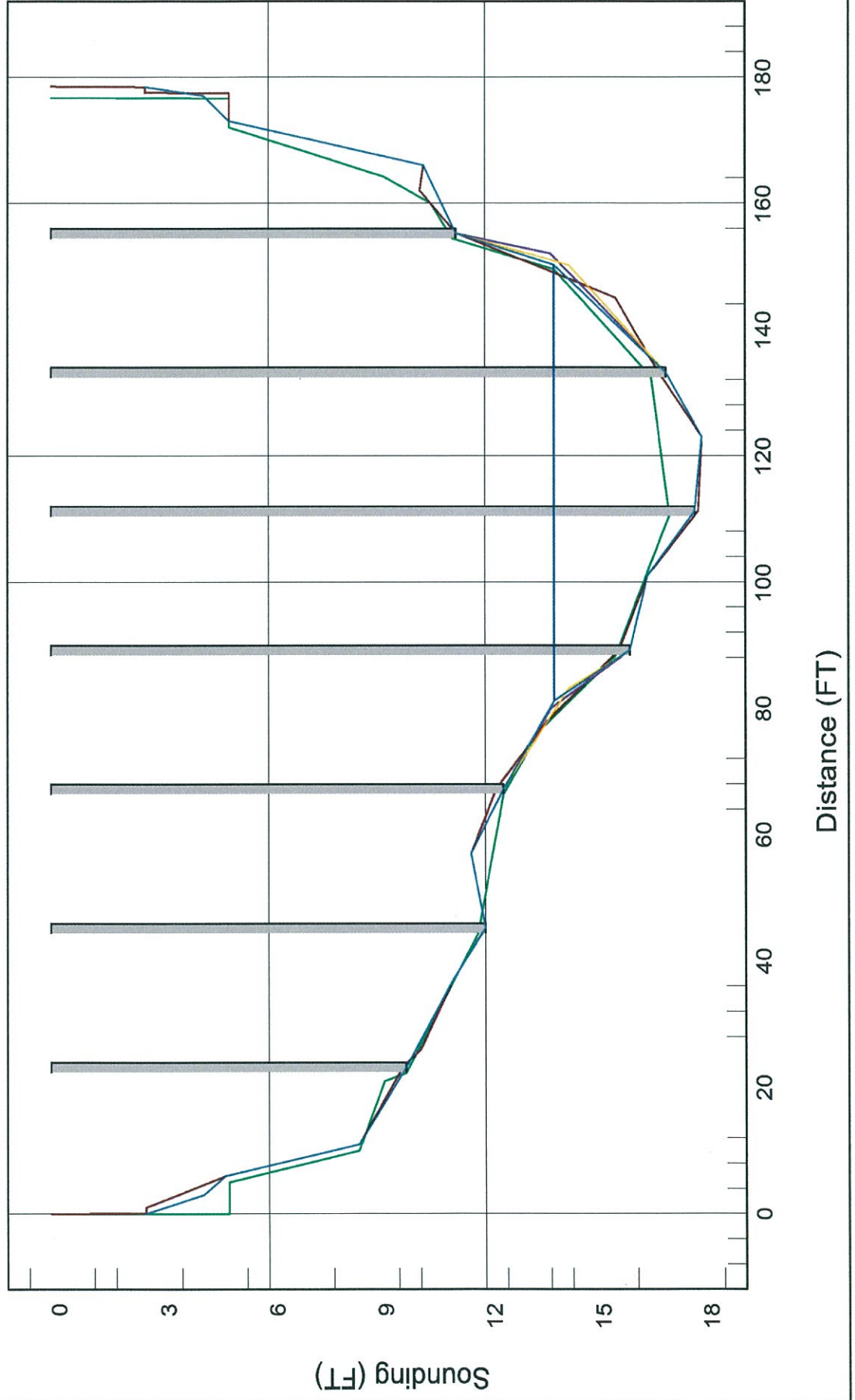
Bridge: 770046

County ROBESON

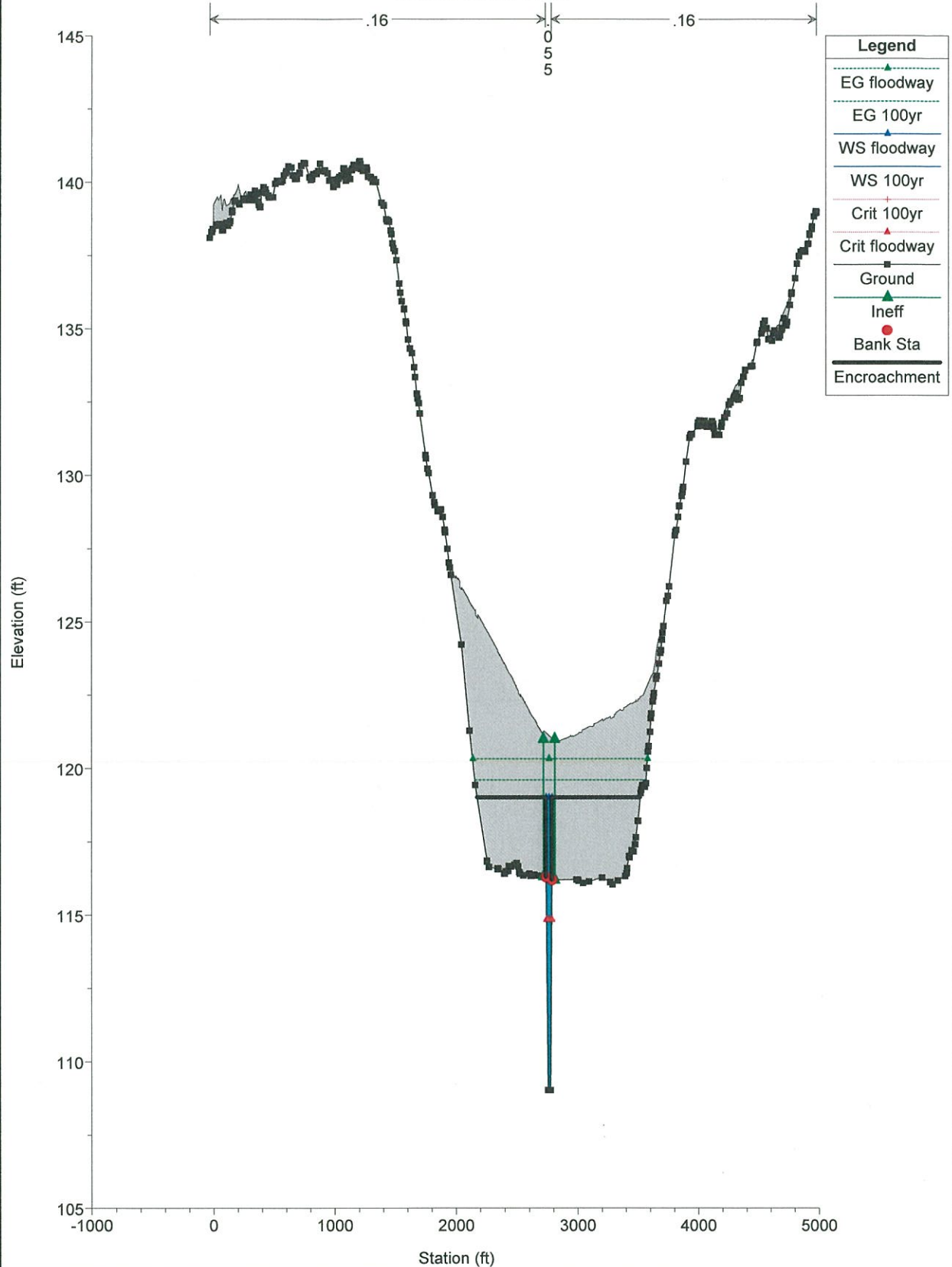
Date: 05/15/2014

STREAMBED PROFILE (Downstream)

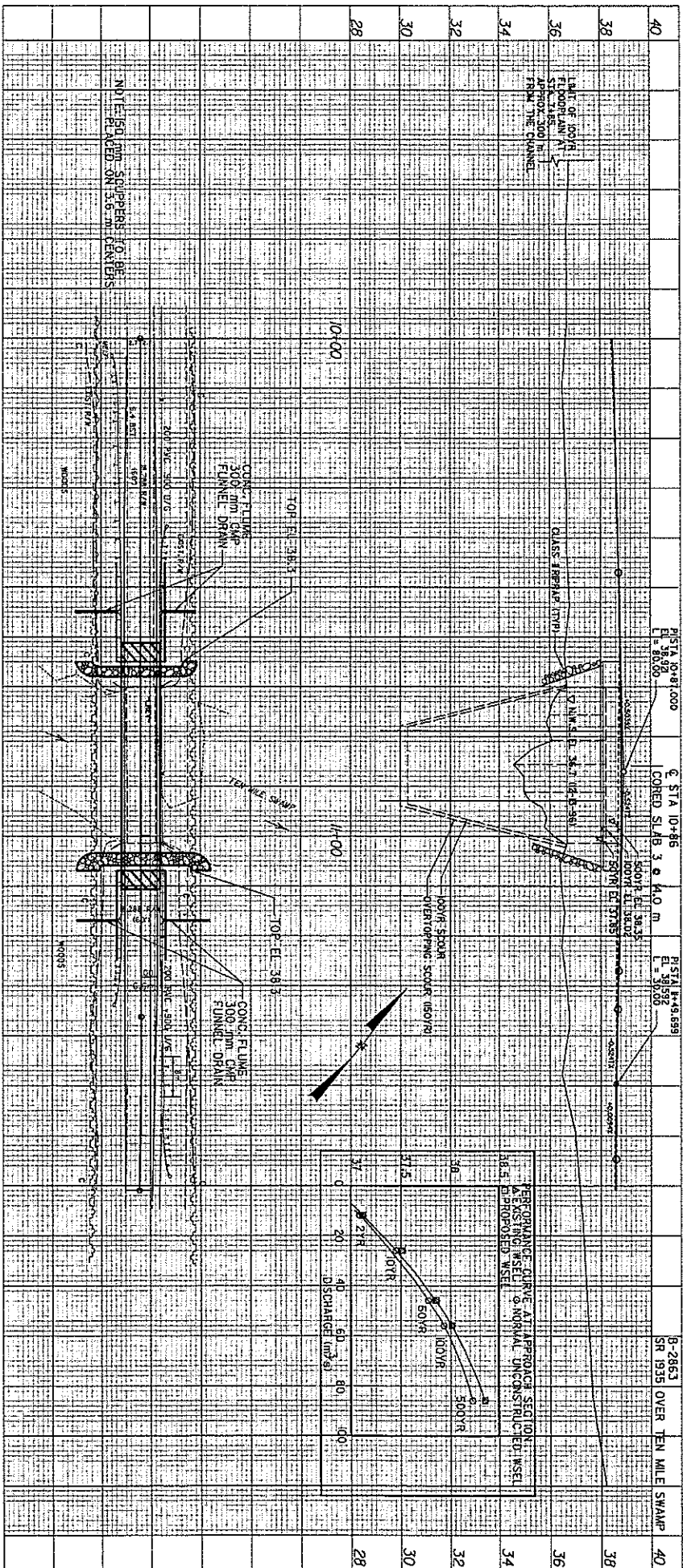
Top of Rail = 0 FT (Sounding)



TenMile Swamp Plan: Plan 02 8/15/2002
 SR 1955 (NCDOT # 26)

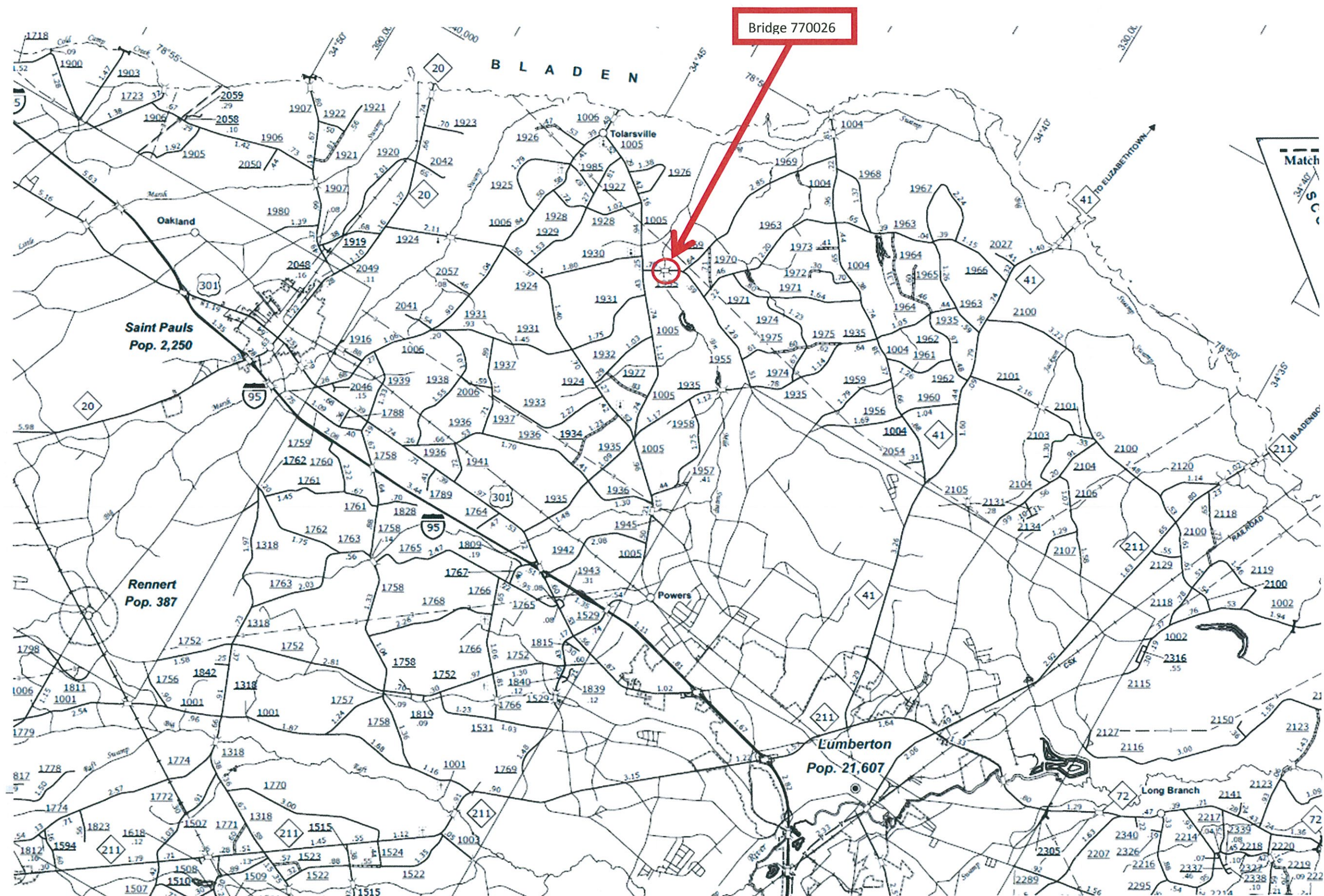


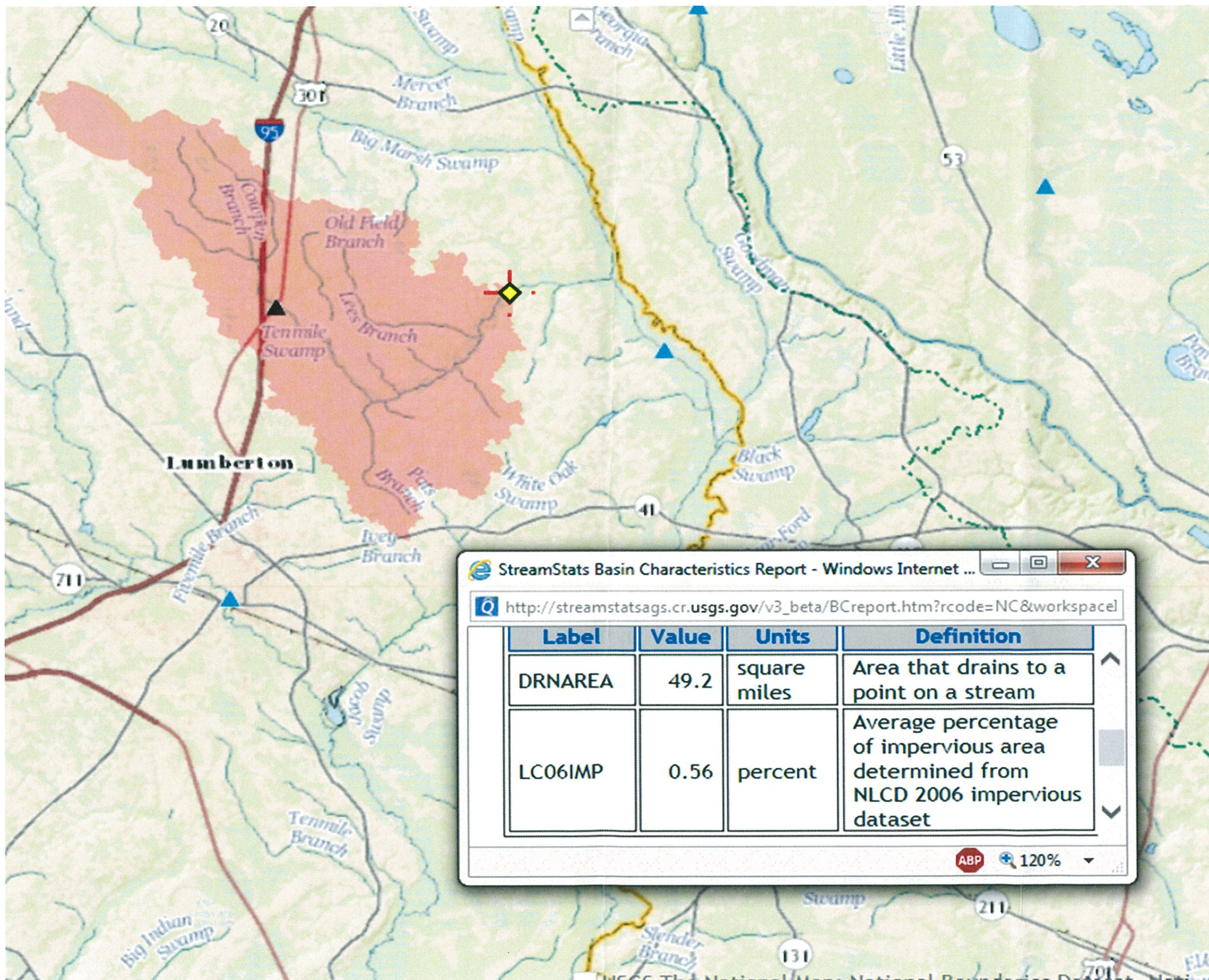
770061
upstream structure

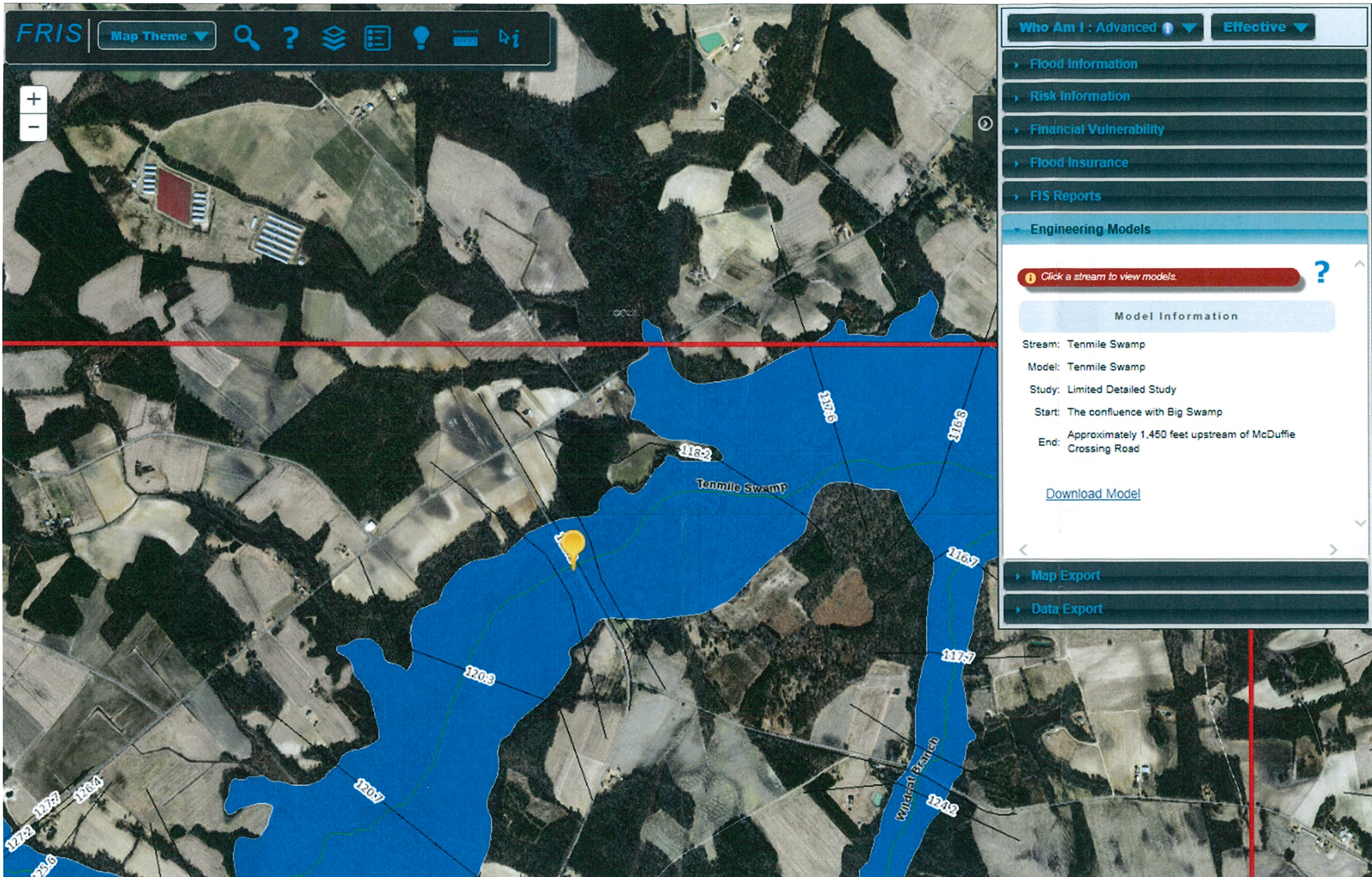


[illegible]

Downstream









Flood Information

Click the map to view information.

Map Location

Flood Zone: AE
Flood Source: Tenmile Swamp
Base Flood Elevation: 119.3 ft
County: Robeson
Political Area: Robeson County
CID: 370202
Panel: 0324 Download
Map Number: 3720032400J
Panel Effective Date: 1/19/2005
Latitude: 34.73062
Longitude: -78.8987

Address locations are approximate.
6537 Regan Church Rd, Lumberton, NC

- Risk Information
- Financial Vulnerability
- Flood Insurance
- FIS Reports
- Map Export
- Data Export



Surface Water Classification

Stream Index: 14-22-3
Stream Name: Tenmile Swamp
Description: From source to Big Swamp
Classification: C;Sw
Classification Date: November 30, 1963
River Basin: Lumber
What does this Class. Mean? [More info](#)

[Zoom to](#)

34.762 -78.925 Degrees

51 m

48 m

BLADEN
ROBESON

