

PREDESIGN-PRESURVEY REPORT

Project#
TIP# B-5892
Let Date
WBS#

County Mitchell (Division: 13)

Bridge# 600.157
Road# SR 1325 (Beans Creek Rd)
Stream Beans Creek

Type Of Request: POC Force Account TIP NCMA

Date 12/9/15 Name SNM

Assigned To

Checked By WHS 12/15/15

Prior Survey Date NONE (attach copy of prior survey) BRN: NONE CO. FILE NONE

Study By Scour Section NONE

Flood Zone X Detail Study NONE Date 2/4/09 Panel# 0846

B.M. Info N/A

Quad Map N/A Drainage Area 4.8 Sq. mi From Stream Stats

Q25 1200 cfs Q50 1500 cfs Q100 1800 cfs Method USGS Rural Reg. Eqn.

COORD: Lat: 36.08561 Long: -82.22666

EXISTING BRIDGE INFORMATION

Location 1 mi. N. JCT. SR 1328

Average Daily Traffic 510 (2012) 6% Trk

Length 31' Bed- To Crown 9' Water Depth 1'

Type Structure Timber floor on Timber joists

Type Spans 1@ 15'-6" , 1@ 15'-1"

Upstream Structure 600158 - L=35' Steel Plank floor on I-beams

Location 1.5 mi. N. JCT. SR 1328 Span: 1@ 35'-1"

Bed- To Crown 8' H2O: 1' Prior Survey NONE

Downstream Structure 600156 - L=32' Timber floor on timber joists

Location 0.6 mi. N. JCT SR 1328 Span: 1@ 15'-5.75" , 1@ 16'-5.75"

Bed- To Crown 8' H2O: 1' Prior Survey NONE

SCS Watershed N/A

ENVIRONMENTAL

TVA:

Trout Stream YES Anadromous Fish NO Primary Nursery Area NO

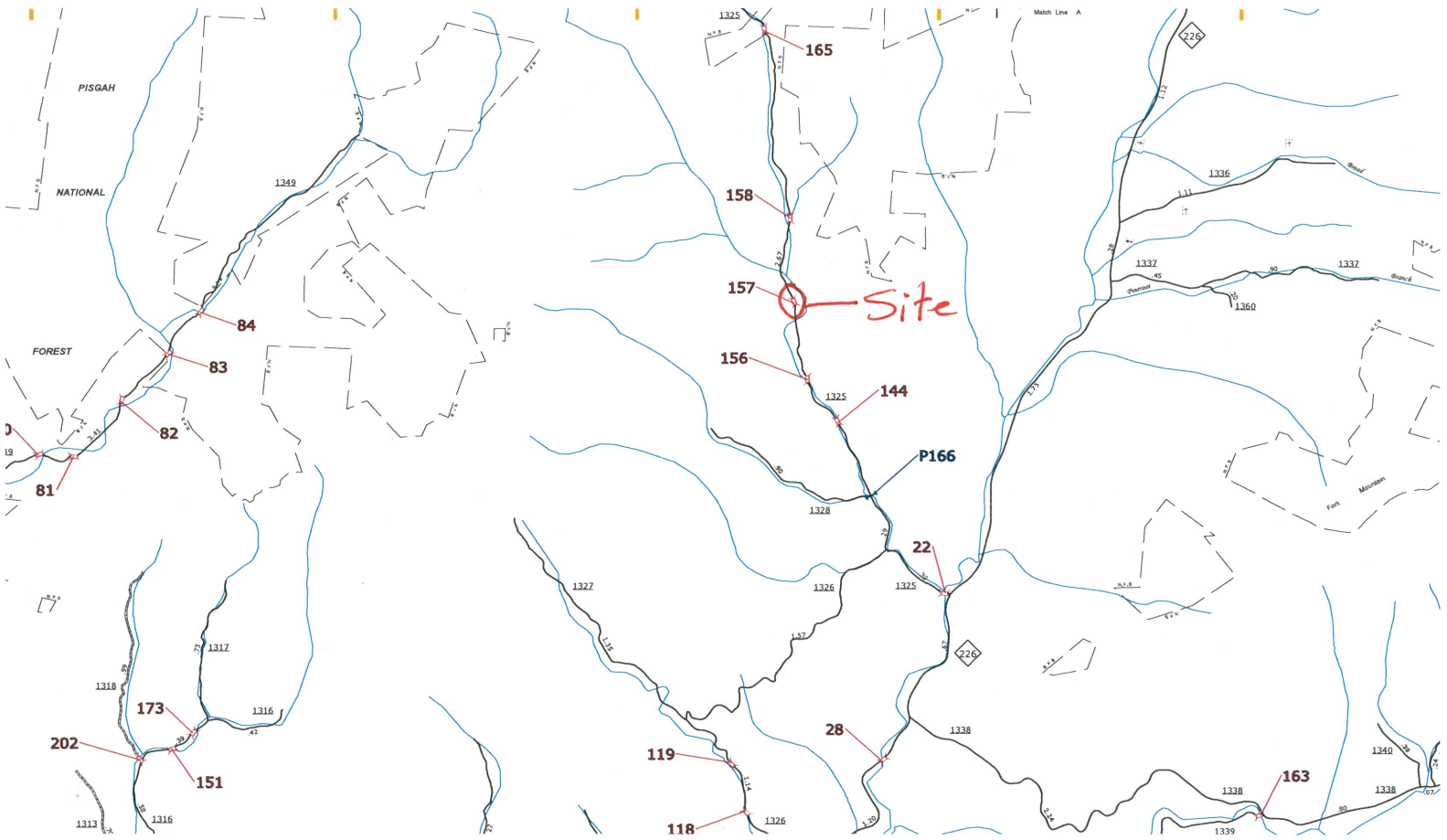
High-Quality Waters NO Nutrient Sensitive Waters NO

Near Water Supply Intake NO CAMA County NO

Stream Classification C; Tr

DENR River Basin Info. French Broad # 7-2-64-12

↑
N



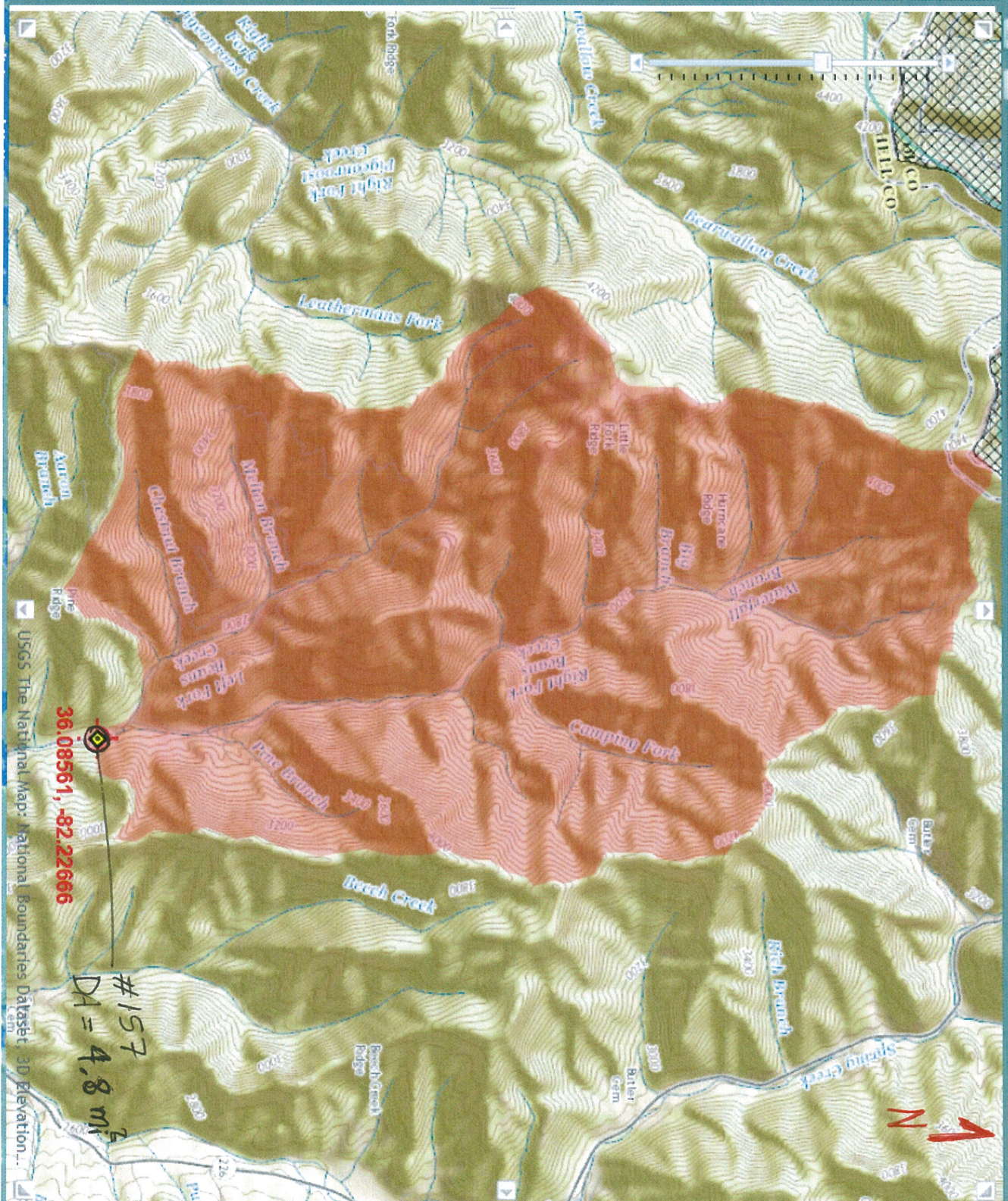
600157

+	+	+	+	+
✓	✓	✓	✓	✓
Streamgages	Area of Limited Functionality	North Carolina	Stream Grid	Study Area Boundry

- Base Layers**
- ☐ Imagery
 - ☐ Street Map
 - ☐ World Topo
 - ☐ USA Topo
 - ☐ Canadian Topo
 - ☒ TNM Topo

0 0.2 0.4mi
Scale: 1 : 36,112

Latitude: 36.13160
Longitude: -82.26550 SS



600157

StreamStats Version 3 Beta**Basin Characteristics Ungaged Site Report**

Date: Wed Dec 9, 2015 10:49:47 AM GMT-5

Study Area: North Carolina

NAD 1983 Latitude: 36.0856 (36 05 08)

NAD 1983 Longitude: -82.2266 (-82 13 36)

Label	Value	Units	Definition
DRNAREA	4.83	square miles	Area that drains to a point on a stream

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U.S. Department of the Interior | U.S. Geological Survey

URL: http://streamstatsags.cr.usgs.gov/v3_beta/BCreport.htmPage Contact Information: [StreamStats Help](#)

Page Last Modified: 11/13/2015 12:55:34 (Web1)

[Streamstats Status](#)[News](#)

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NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

PRIORITY MAINTENANCE X2: BULKHEAD, BENT CAP

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY MITCHELL BRIDGE NUMBER 600157 INSPECTION CYCLE 2 YRS
ROUTE SR1325 ACROSS BEAN CREEK M.P. 0

LOCATION 1 MI.N.JCT.SR1328SUPERSTRUCTURE TIMBER FLOOR ON TIMBER JOISTSSUBSTRUCTURE E.BTS&INT.BT:TIM.CAPS/TIM.POST&SILLS/CONC.FTG.SPANS 1 @ 15'-6; 1 @ 15'-1LONGITUDE 82° 13' 35.94"LATITUDE 36° 5' 8.29"INSPECTION DATE 10/08/2013PRESENT CONDITION FAIRPRESENT POSTING SV 17 TTST 25 SV 19 TTST 28 PROPOSED POSTING _____OTHER SIGNS PRESENT DELINEATORS (X4), ONE LANE BRIDGE (X2)

SOUTH APPROACH

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>No</u> DELINEATORS	_____
<u>No</u> NARROW BRIDGE	_____
<u>No</u> ONE LANE BRIDGE	_____
<u>No</u> LOW CLEARANCE	_____

600157

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 02/27/2014

COUNTY : MITCHELL DIVISION : 13 DISTRICT: 1 STRUCTURE NUMBER : 600157 LENGTH : 31 FEET

ROUTE CARRIED : SR1325 FEATURE INTERSECTED : BEANS CREEK

LOCATED : 1 MI.N.JCT.SR1328 BRIDGE NAME : CITY :

FUNC. CLASS : 09 SYST.ON : NFA SYST.UNDER : NFA ADT & YR : 510 2012 RAIL TYPE : LT 227 RT 227

BUILT : 1958 BY : BMU PROJ : FED.AID PROJ : DESIGN LOAD : Unknown

REHAB : BY : BMU PROJ : 5.8851 ALIGNMENT : TAN SKEW : 60 LANES : ON 2 UNDER 0

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 9 FT WATER DEPTH : 2 FT

SUPERSTRUCTURE : TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE : E.BTS&INT.BT:TIM.CAPS/TIM.POST&SILLS/CONC.FTG.

SPANS : 1 @ 15'-6;1 @ 15'-1

BEAMS OR GIRDERS : 9 LINES 6X12 TIMBER JOISTS @ 2'-.75 CENTERS

FLOOR : 3X4 TIM/2 AWS ENCROACHMENT : DECK (OUT TO OUT) : 18 FT

CLEAR ROADWAY : 17 FT BETWEEN RAILS : 17.667 FT SIDEWALK OR CURB : LT .3 FT RT .3 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-11 OPE.RTG. : HS-16 CONTR.MEMBER : Int Joist POSTED : SV 18 TTST 27 DATE 02/25/2014

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

UNDER ROUTES AND CLEARANCES

REMARKS :

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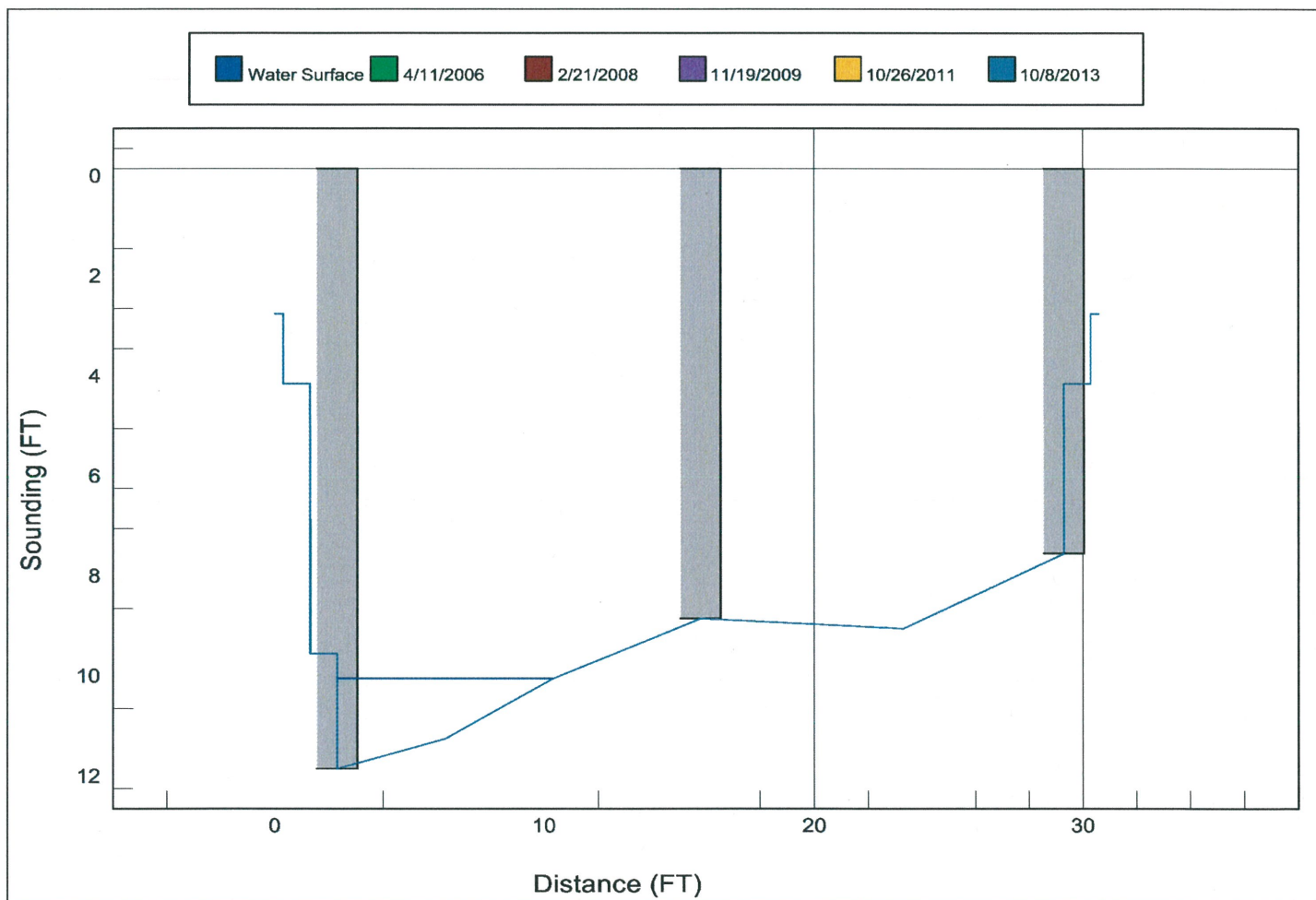
Bridge: 600157

County MITCHELL

Date: 10/08/2013

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



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FEMA
National Flood Insurance Program

NORTH CAROLINA FLOODPLAIN MAPPING PROGRAM
NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

NORTH CAROLINA

PANEL 0846

Panel Contains:

COMMUNITY
MITCHELL COUNTY

CID PANEL SUFFIX
371081 0846 J

MAP NUMBER
371081084600
MAP REVISION
01/1/2004

600157

