

OFFICE ESTIMATE

1 @ 40' Bridge

PREDESIGN-PRESURVEY REPORT

Project# _____
TIP# _____
Let Date _____
WBS# 17BP.14.R.96

County HAYWOOD (DIV 14)

Bridge# 430315
Road# SR 1346
Stream STEPHENS CRK.
STEVENS CRK.

Type Of Request: POC Force Account TIP NCMA

Date 8/27/13 Name Wsh

Assigned To RCH

Checked By _____

Prior Survey Date NONE (attach copy of prior survey) BB: NO CO. FILE: NO

Study By Scour Section NONE

Flood Zone X Detail Study NONE Date _____ Panel# 8701 (NOT AVAILABLE NO DEFIRM)

B.M. Info N/A

Quad Map _____ Drainage Area 1.1 Sq M. From STREAM STATS
Q25 =430 cfs Q50 =500 cfs Q100 =600 cfs Method RURAL REG. EQU.
REGION 2

EXISTING BRIDGE INFORMATION

Location 1.3 MI. S. JCT. SR 1347

Average Daily Traffic 240 2002 6% TRK

Length 17' Bed- To Crown 8' Water Depth 1'

Type Structure TIMBER, FLR, JOIST, E. BTS, POSTS & SILLS, CAPS

Type Spans 1 @ 16' 6"

Upstream Structure 430316 (ON SR 1346) (BRG) 1 @ 16' 6" L=17'

Location 1.4 MI. S. JCT. SR 1347

Bed- To Crown 6' (H₂O = 1' DEEP) Prior Survey _____

Downstream Structure 430372 (ON SR 1346) 1 @ 20' - 6" (BRG) L=

Location 0.3 MI. S. JCT. SR 1347

Bed- To Crown 7' (H₂O = 1' DEEP) Prior Survey _____

SCS Watershed _____

(ESM-YELLOW-UNDESIGNATED) ENVIRONMENTAL

TVA: YES

Trout Stream NO ✓ Anadromous Fish NO Primary Nursery Area NO ✓

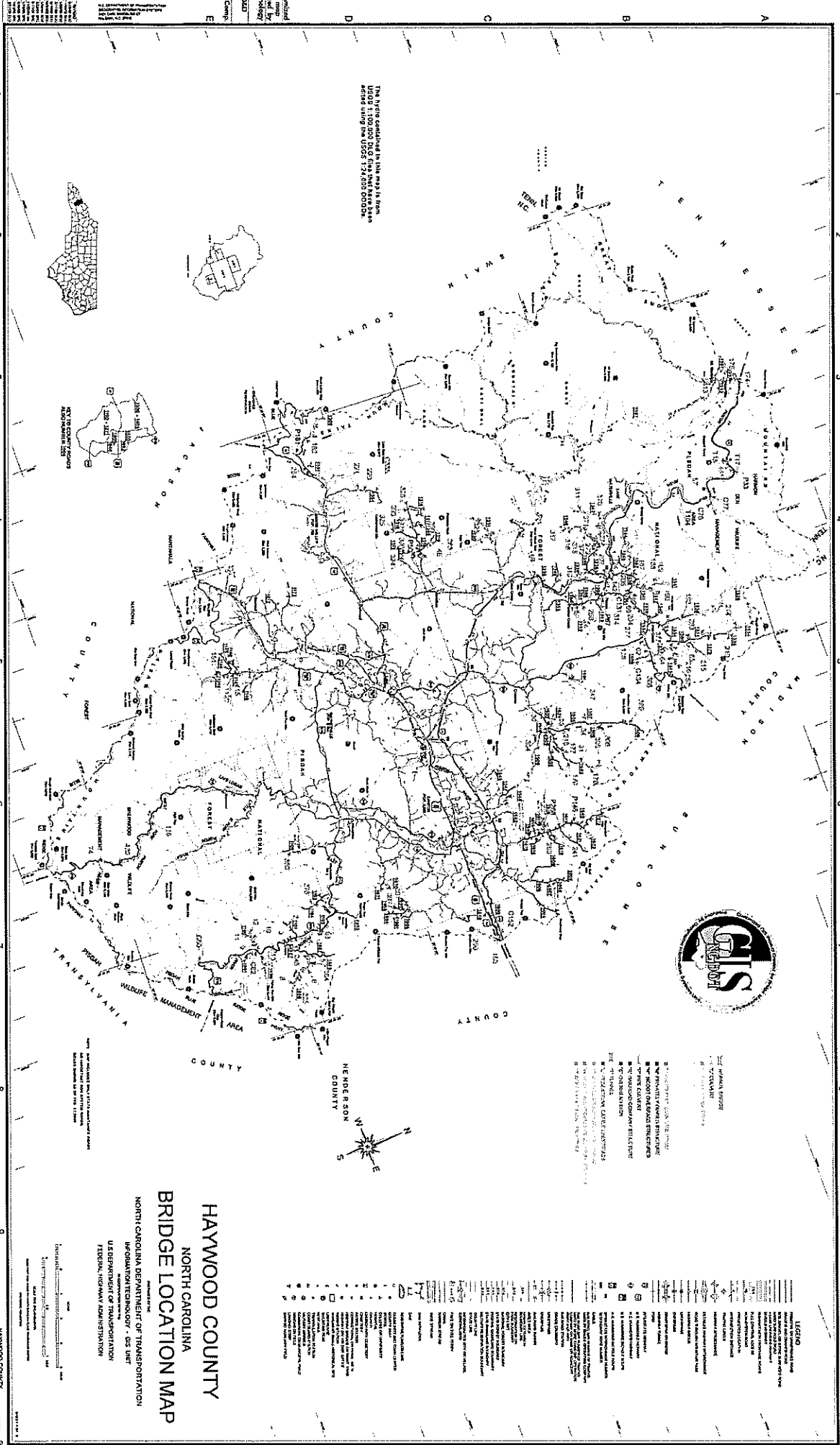
High Quality Waters NO Nutrient Sensitive Waters NO

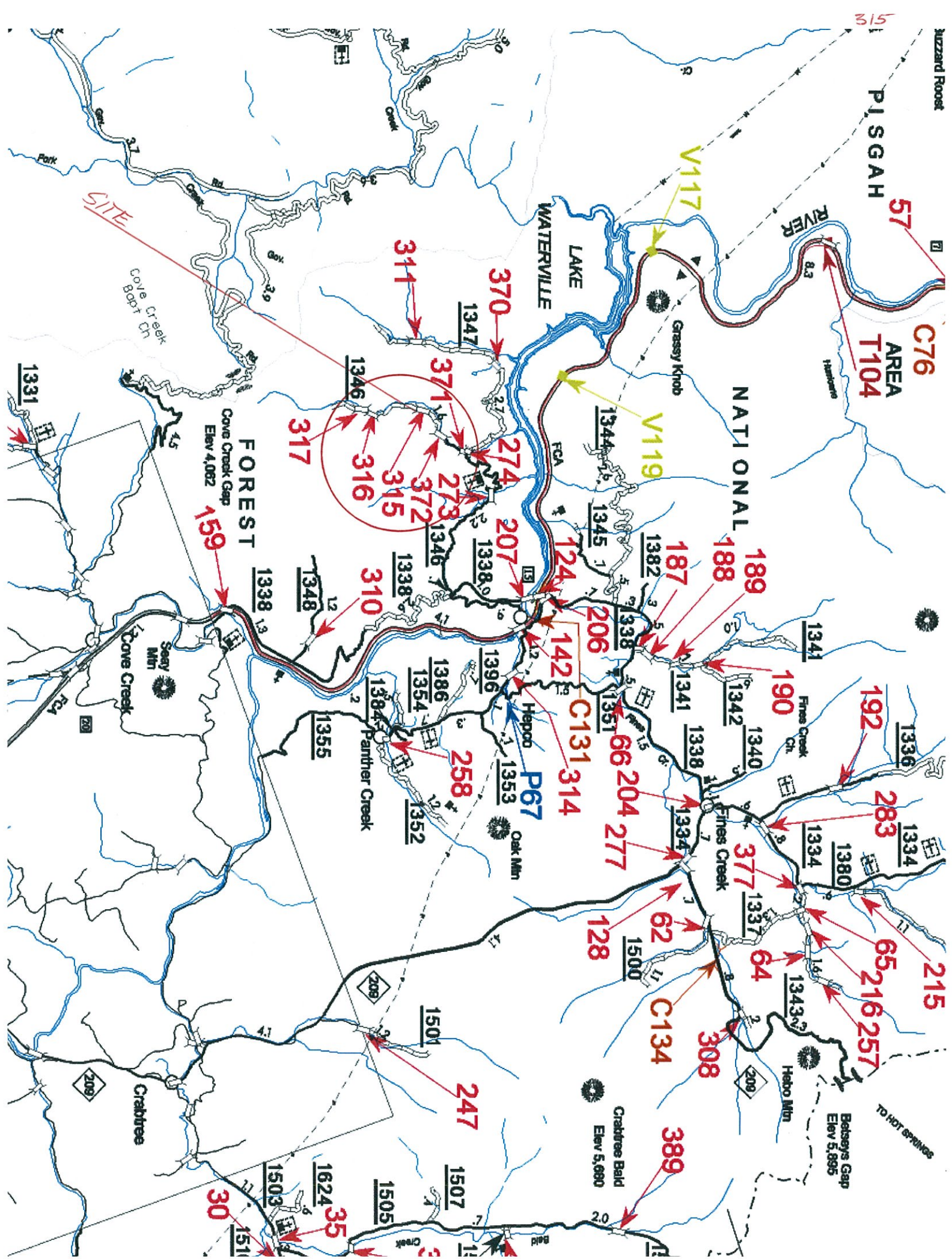
Near Water Supply Intake NO CAMA County NO ✓

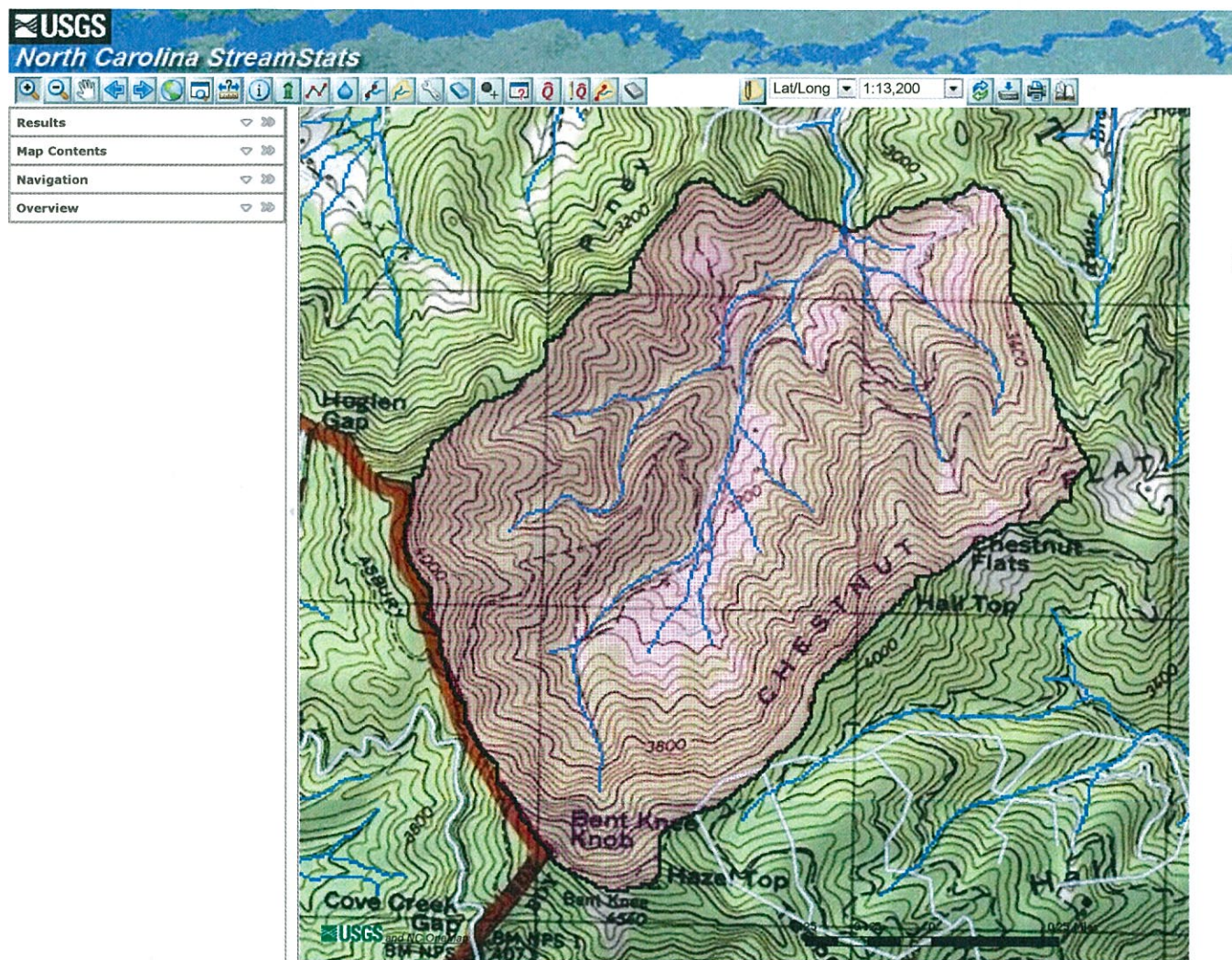
Stream Classification C # 04-03-05 (FROM SOURCE
DENR River Basin Info. FRENCH BROAD ✓ TO WALTER'S LAKE, PIGEON RIVER)

LAT: 35-39-11.92 LONG: 83-01-5919

Disclaimer: The S&B Unit's goal is to provide the most current information as possible. The magnitude of the field previously was guarantee of accuracy or completeness. If you find any errors, please report them to the S&B Unit.







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URL: http://streamstatsags.cr.usgs.gov/nc_ss/default.aspx

Page Contact Information: StreamStats Help

Page Last Modified: 08/27/2013 16:36:05

Streamstats Status

News





North Carolina StreamStats

Streamstats Ungaged Site Report

Date: Tue Aug 27 2013 14:43:00 Mountain Daylight Time

Site Location: North_Carolina

NAD27 Latitude: 35.6534 (35 39 12)

NAD27 Longitude: -83.0332 (-83 01 59)

NAD83 Latitude: 35.6535 (35 39 13)

NAD83 Longitude: -83.0331 (-83 01 59)

Drainage Area: 1.11 mi²

Percent Urban: 1.7 %

Percent Impervious: 0.0 %

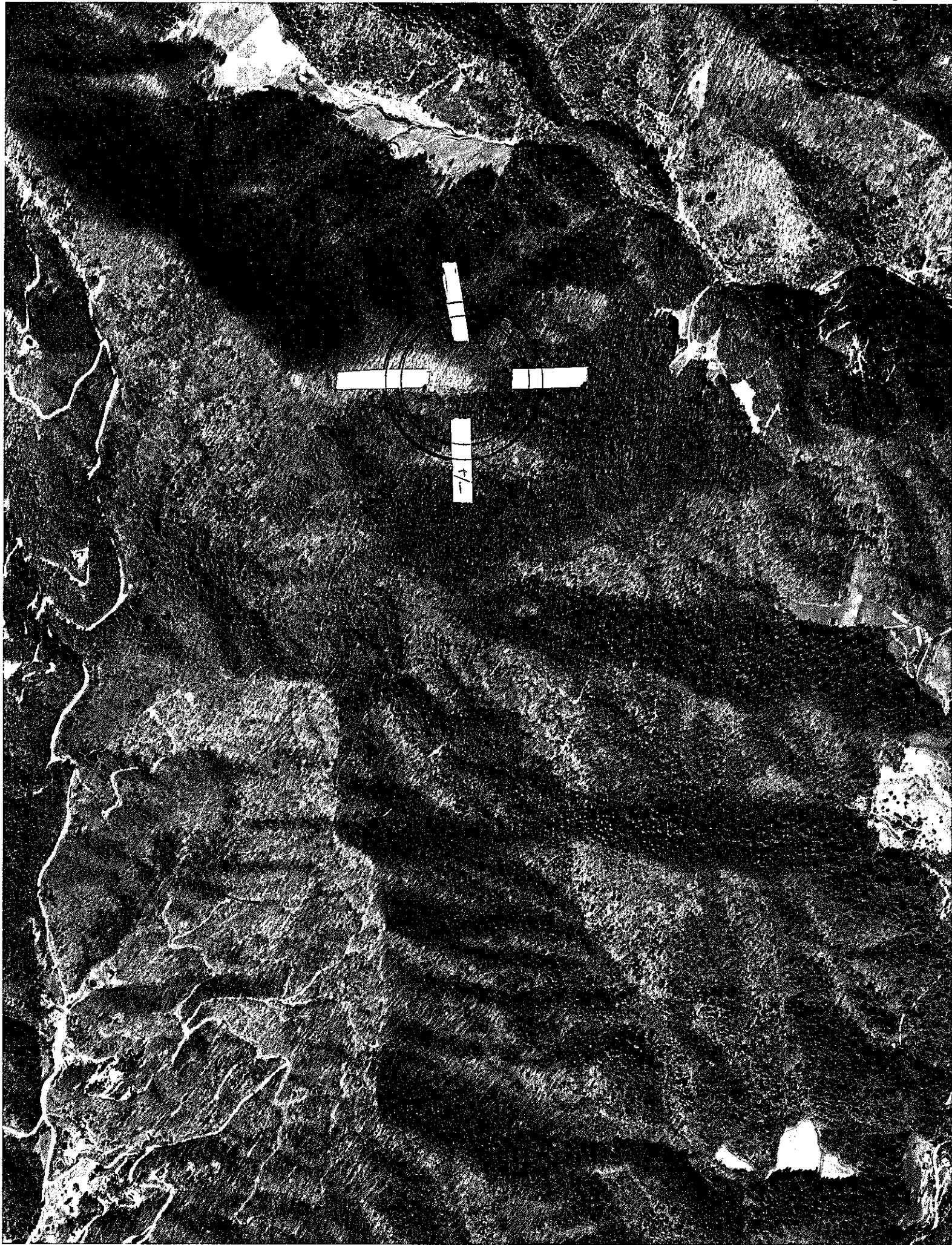
Peak Flows Region Grid Basin Characteristics			
100% Peak Southeast US 2009 5158 (1.11 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	1.11	1	9000
Percent Area in Region 1 (percent)	0.000	0	100
Percent Area in Region 2 (percent)	100.000	0	100
Percent Area in Region 3 (percent)	0.000	0	100
Percent Area in Region 4 (percent)	0.000	0	100
Percent Area in Region 5 (percent)	0.000	0	100

Urban Flows Region Grid Basin Characteristics			
100% Peak urban Blue Ridge-Piedmont FS007-00 (1.11 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	1.11	0.04	41
Area of Impervious Surfaces (percent)	0.03 (below min value 2)	2	54.6

Warning: Some parameters are outside the suggested range. Estimates will be extrapolations with unknown errors.

Peak Flows Region Grid Streamflow Statistics					
Statistic	Flow (ft ³ /s)	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
PK2	119	35		67.3	210
PK5	226	34		128	397
PK10	311	35		174	558
PK25	429	38		231	799
PK50	516	40		268	994
PK100	620	42		310	1240
PK200	711	44		343	1470
PK500	855	48		392	1870

Urban Flows Region Grid Streamflow Statistics					
Statistic	Flow (ft ³ /s)	Standard Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
PK2U	3.25				
PK5U	11.4				
PK10U	21.5				
PK25U	52.7				
PK50U	78.6				
PK100U	113				





NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

PRI. MAINT. ISSUED.
TEMP. REPAIR - POST 1 AT ABUTMENT 1 HAS BEEN
SUPPLEMENTED SOMETIME IN THE PAST.

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY HAYWOOD BRIDGE NUMBER 430315 INSPECTION CYCLE 2 YRS
ROUTE SR1346 ACROSS STEPHENS CREEK M.P. 0

LOCATION 1.3 MI.S.JCT.SR1347

SUPERSTRUCTURE TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE E.BTS:TIM.CAPS/TIM.POST&SILLS@ VAR.CENTERS

SPANS 1 @ 16'-6

LONGITUDE 83° 1' 59.2"

LATITUDE 35° 39' 12.0"

PRESENT CONDITION POOR

INVENTORY RATING

INSPECTION DATE 03/08/2011

OPERATING RATING

PRESENT POSTING SV 25 TTST 99

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT DELINEATORS [4]



LOOKING NORTH

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>

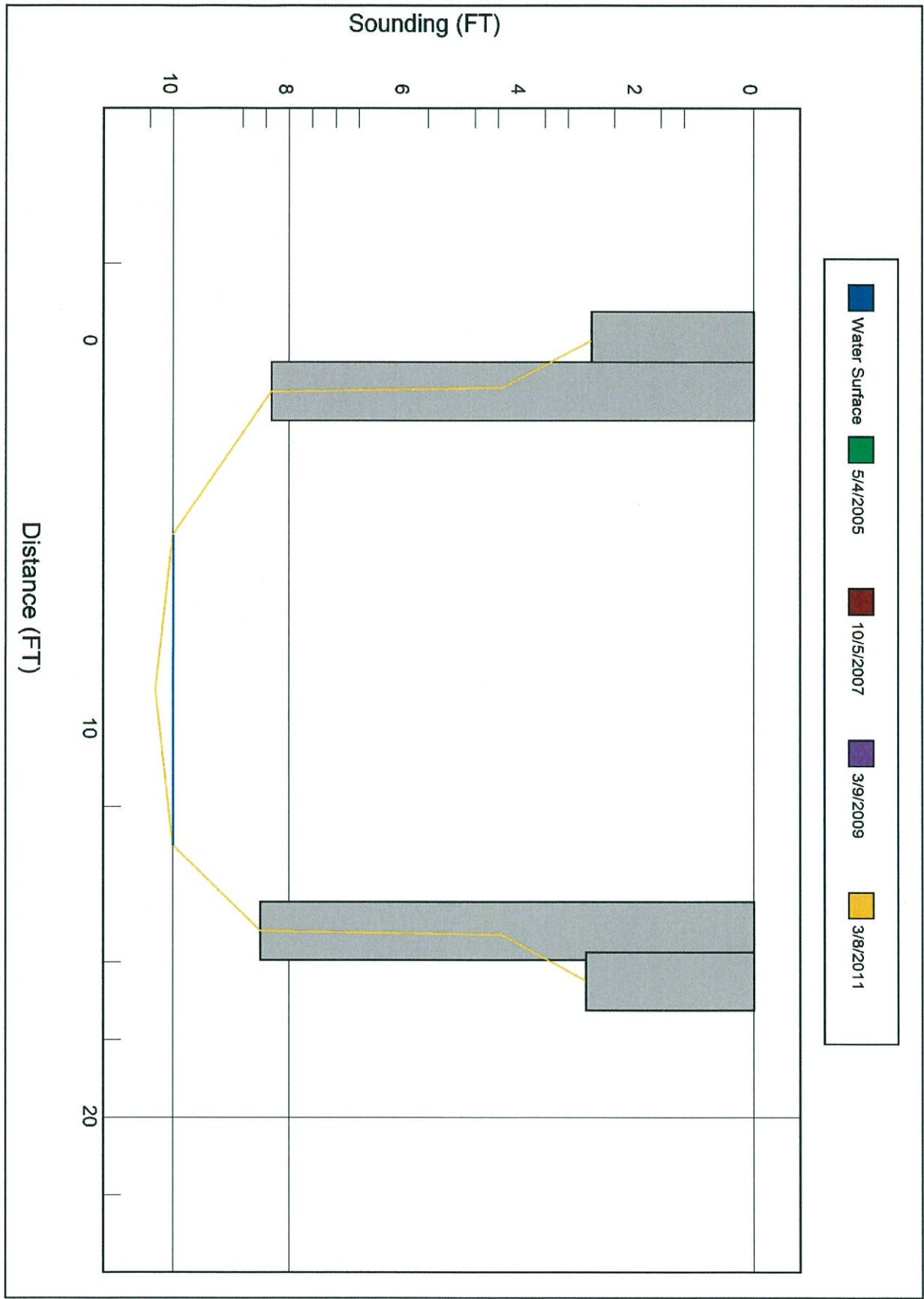
BRIDGE MANAGEMENT UNIT
DATA ON EXISTING STRUCTURE

Run Date: 04/13/2011

COUNTY : HAYWOOD		DIV : 14		DIST : 2		STRUCTURE NUMBER : 430315		LENGTH : 17 FEET	
ROUTE CARRIED : SR1346				FEATURE INTERSECTED : STEPHENS CREEK					
LOCATED : 1.3 MI.S.JCT.SR1347				BRIDGE NAME :				CITY :	
FUNC. CLASS : 09		SYST.ON : NFA		SYST.UNDER : NFA		ADT & YR : 240 2002		RAIL TYPE : LT 227 RT 227	
BUILT : 1964		BY : BMU		PROJ :		FED.AID PROJ :		DESIGN LOAD : Other or Unknown	
REHAB :		BY : BMU		PROJ : 5.9451		ALIGNMENT : TAN		SKEW : 110	
								LANES : ON 2 UNDER	
NAVIGATION : VC 0.0 FT HC 0.0 FT				HT. CRN. TO BED : 8 FT				WATER DEPTH : 1 FT	
SUPERSTRUCTURE : TIMBER FLOOR ON TIMBER JOISTS									
SUBSTRUCTURE : E.BTS:TIM.CAPS/TIM.POST&SILLS@ VAR.CENTERS									
SPANS : 1 @ 16'-6									
BEAMS OR GIRDERS : 16 LINES 6X12 TIMBER JOISTS @ VARS.CENTERS									
FLOOR : 4X8 TIM/1.5 AWS		ENCROACHMENT :				DECK (OUT TO OUT) : 20.6 FT			
CLEAR ROADWAY : 19.7 FT		BETWEEN RAILS : 20.3 FT				SIDEWALK OR CURB : LT 0.3 FT RT 0.3 FT			
VERT.CL.OVER : 99 FT 99 IN		VERT.CL.UNDER : 00 FT 00 IN				HOR.CL.UNDER : 0.0 FT			
INV.RTG. : HS-1		OPE.RTG. : HS-1		CONTR.MEMBER : Int.jsts		POSTED : SV 25		TTST LGW DATE 10/07/2008	
SYSTEM : Secondary S.R. Route						GREEN LINE ROUTE : N			
2ND OPENING :		3RD OPENING :		4TH OPENING :		5TH OPENING :			
REMARKS :									

Top of Rail = 0 FT (Sounding)

STREAMBED PROFILE (Downstream)





REP. OF UNDERSIDE



UPSTREAM