

STATE STORMWATER PERMIT - NOT REQUIRED

FEMA APPROVAL - NO

- FEMA 100-yr WS ---

OFFICE ESTIMATE 55-ft BRIDGE *or 2@ 9x6 RCB*

REMARK: ---

Project# _____

TIP# _____

Let Date _____

WBS# 17BP.14.R.82

PREDESIGN-PRESURVEY REPORT

County HAYWOOD

Bridge# 430317

Road# SR 1346

Name WHITE OAK RD.

Stream STEVENS CREEK

Type Of Request: POC Force Account TIP NCMA

Date 8/19/2011 Name SAB

Assigned To JLL

Checked By WHT

Prior Survey Date NO (attach copy of prior survey)

Study By Scour Section 4/16/2010 Code Z

Flood Zone X Detail Study No Date N/A Panel# 8701, NOT PRINTED

B.M. Info _____

Quad Map Cove Creek Gap Drainage Area 0.86 Sq Mi From Delineation

Q25 357 cfs Q50 430 cfs Q100 517 cfs Method USGS Rural

Region 2 (Blue Ridge)

EXISTING BRIDGE INFORMATION

Location 1.6 MI. S. JCT. SR 1347

Average Daily Traffic 220 Yr - 2000

Length 17' Bed- To Crown 5' Water Depth 1'

Type Structure TIMBER FLOOR ON TIMBER JOISTS. E.BTS: TIMBER CAPS/ TIMBER POSTS & CONCRETE SILLS @ VAR. CTS.

Type Spans 1@16'6

Upstream Structure N/A

Location ---

Bed- To Crown --- Prior Survey ---

Downstream Structure 316

Location SR 1346-1.4 MI. S. JCT. SR 1347

Bed- To Crown 6' Prior Survey NO

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

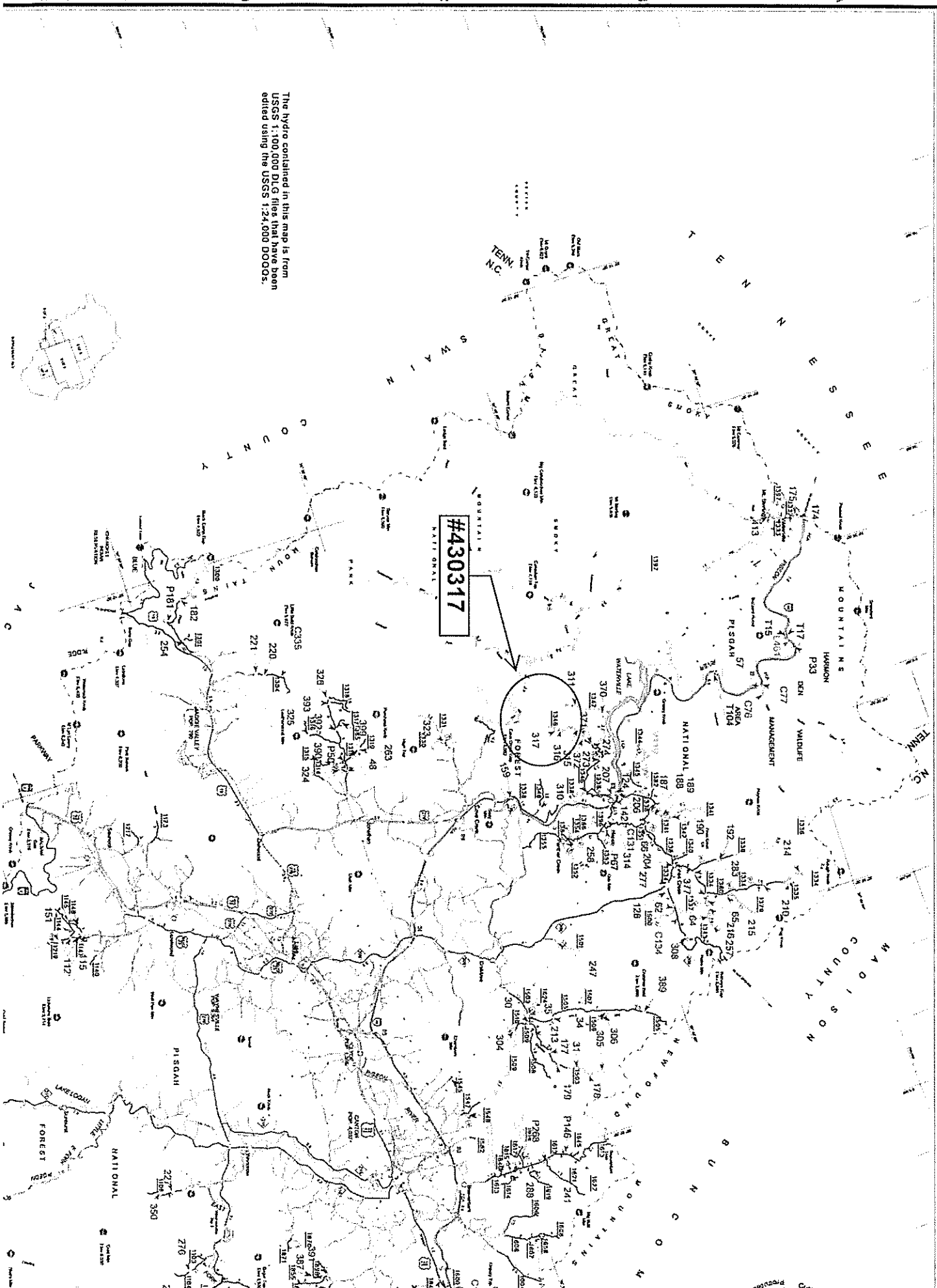
Stream Classification C

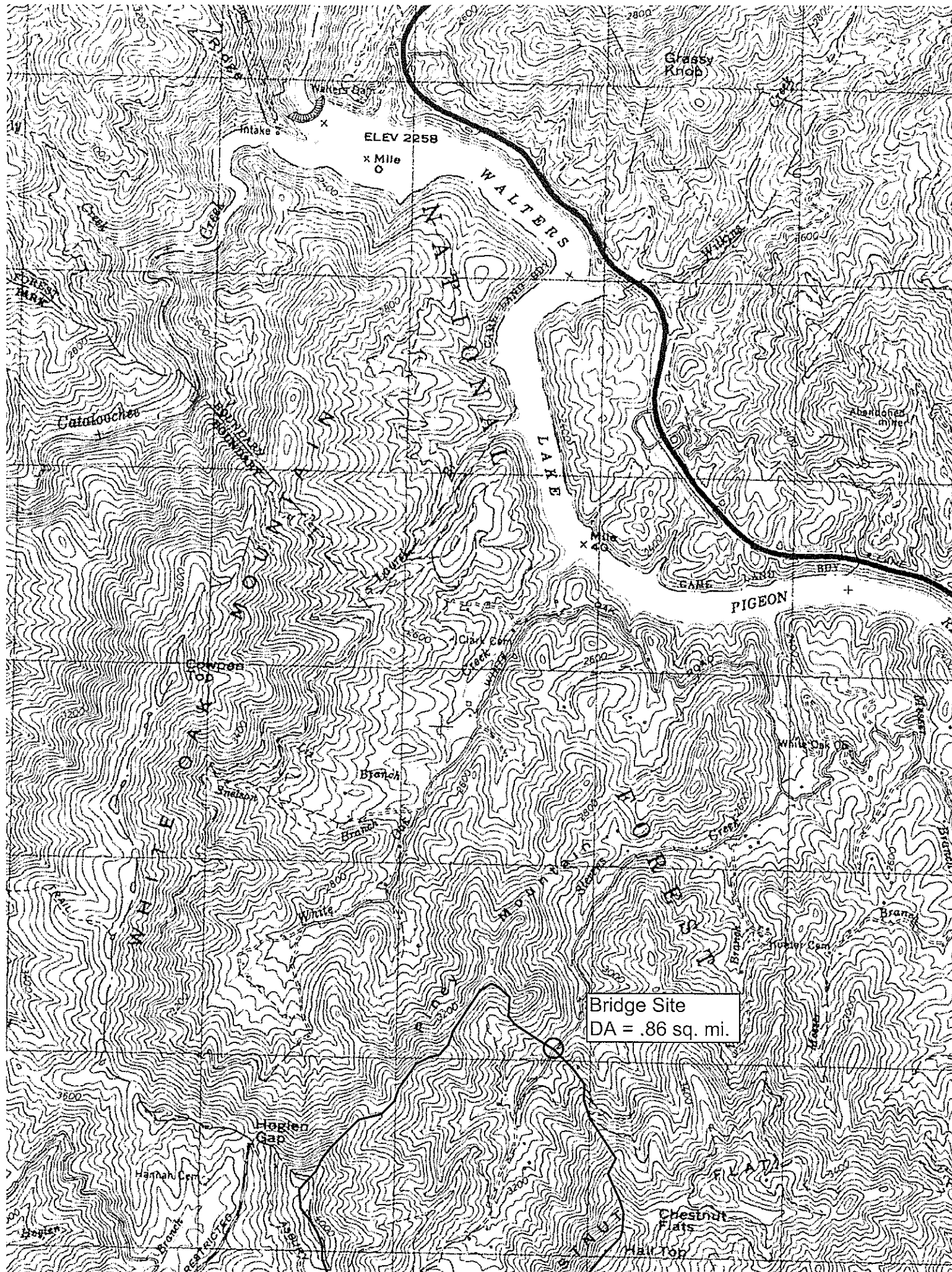
DENR River Basin Info. French Broad

Min bridge length = $3 \times (5') + (20') + (17') =$ 52'

The hydro contained in this map is from
USGS 1:100,000 DLG files that have been
edited using the USGS 1:24,000 DOOCs.

Domestic
IS map
checked by
hydrology
PD&D
3 Comp.
E







NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION TEMP. REPAIR - POST 1 AT ABUTMENT 2 HAS BEEN
SUPPLEMENTED SOMETIME IN THE PAST.

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY HAYWOOD BRIDGE NUMBER 430317 INSPECTION CYCLE 2 YRS

ROUTE SR1346 ACROSS STEPHENS CREEK M.P. 0

LOCATION 1.6 MI.S.JCT.SR1347

SUPERSTRUCTURE TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE E.BTS:TIMBER CAPS/TIMBER POST&CONCRETE SILLS @VAR.CTS.

SPANS 1 @ 16'-6

LONGITUDE 83° 2' 12.5"

LATITUDE 35° 38' 57.8"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 03/14/2011

OPERATING RATING

PRESENT POSTING SV 17 TTST 25

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT DELINEATORS [4] AND ONE LANE BRIDGE [2]



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>

LOOKING NORTH

BRIDGE MANAGEMENT UNIT
DATA ON EXISTING STRUCTURE

Run Date: 04/18/2011

COUNTY : HAYWOOD		DIV : 14		DIST : 2		STRUCTURE NUMBER : 430317		LENGTH : 17 FEET	
ROUTE CARRIED : SR1346				FEATURE INTERSECTED : STEPHENS CREEK					
LOCATED : 1.6 MI.S.JCT.SR1347				BRIDGE NAME :				CITY :	
FUNC. CLASS : 09		SYST.ON : NFA		SYST.UNDER : NFA		ADT & YR : 220 2000		RAIL TYPE : LT 227 RT 227	
BUILT : 1961		BY : BMU		PROJ :		FED.AID PROJ :		DESIGN LOAD : Other or Unknown	
REHAB :		BY : BMU		PROJ : 5.9451		ALIGNMENT : TAN		SKEW : 135	
								LANES : ON 1 UNDER	
NAVIGATION : VC 0.0 FT HC 0.0 FT				HT. CRN. TO BED : 5 FT				WATER DEPTH : 1 FT	
SUPERSTRUCTURE : TIMBER FLOOR ON TIMBER JOISTS									
SUBSTRUCTURE : E.BTS:TIMBER CAPS/TIMBER POST&CONCRETE SILLS @VAR.CTS.									
SPANS : 1 @ 16'-6									
BEAMS OR GIRDERS : 9 LINES 6X12 TIMBER JOISTS @ 2' CENTERS									
FLOOR : 4X8 TIM/1 AWS		ENCROACHMENT :				DECK (OUT TO OUT) : 18.0 FT			
CLEAR ROADWAY : 15.7 FT		BETWEEN RAILS : 17.7 FT				SIDEWALK OR CURB : LT 1.0 FT RT 1.0 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 jost		POSTED : SV 17		TTST 25 DATE 10/07/2008	
SYSTEM : Secondary S.R. Route						GREEN LINE ROUTE : N			
2ND OPENING :		3RD OPENING :		4TH OPENING :		5TH OPENING :			
REMARKS :									

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 430317 County: HAYWOOD Date: 03/14/2011 By: WBF

Record sounding from top of rail. Other location if needed:

Distance from Highwater Mark to top of rail: Location of Highwater Mark: NOT DETECTED

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.9	FILL FACE ABUTMENT 1	0	2.8	FILL FACE ABUTMENT 1
1.3	4.167	Top of Cap			
1.4	6	STREAM FACE ABUTMENT 1	1.4	7.3	STREAM FACE ABUTMENT 1
5	7.3	Water Surface/Water Edge (WSWE)			
8	8	STREAM BED			
10	7.3	Water Surface/Water Edge (WSWE)			
15.1	6.7	STREAM FACE ABUTMENT 2	15.1	4.8	STREAM FACE ABUTMENT 2
15.2	4.167	Top of Cap			
16.5	2.8	FILL FACE ABUTMENT 2	16.5	2.9	FILL FACE ABUTMENT 2

Top of Rail = 0 FT (Sounding)

STREAMBED PROFILE (Downstream)

