

***State Stormwater Permit-Not Required**

***No BSR Available**

***Culvert can be considered but may have height issues.**

***Office Estimate: 50' Bridge.**

PREDESIGN-PRESURVEY REPORT

County Haywood

Project#

TIP#

Let Date

WBS#

Bridge# 430309

Road# SR 1373

Name Kudzu Loop Rd

Stream Rogers Cove Creek

Type Of Request: POC Force Account TIP NCMA

Date 8/2/2011 Name JJM

Assigned To

Checked By

Prior Survey Date N/A (attach copy of prior survey)

Study By Scour Section N/A

Flood Zone No Detail Study N/A Date N/A

Panel# 8617

B.M. Info

Quad Map Clyde Drainage Area 1.18 SQ. MI. From Quad Map

Q25 450 Q50 540 Q100 650 Method Rural Regression

Region 2

EXISTING BRIDGE INFORMATION

Location 0.1 Mi. North Junction SR 1374

Average Daily Traffic ADT: 150 YR: 2000

Length 17 FT. Bed- To Crown 6 FT. Water Depth 1 FT.

Type Structure Tim. Floor on Tim. Joists. E.BTS: Tim. Caps W/ Tim. Posts and Sills

Type Spans 1 @ 16'-6

Upstream Structure Bridge 430285. 1 Span @ 25'-6. Tim. Floor on I-Beams.

Location On SR 1374. 0.5 Mi. North Junction SR 1373.

Bed- To Crown 6 FT. Prior Survey

Downstream Structure Bridge 430052. 1 @ 26'. Tim. Floor on Salvaged Beams.

Location On SR 1376. 30 FT. East Junction SR 1371.

Bed- To Crown 8 FT. Prior Survey

SCS Watershed

ENVIRONMENTAL

Trout Stream No Anadromous Fish No Primary Nursery Area No

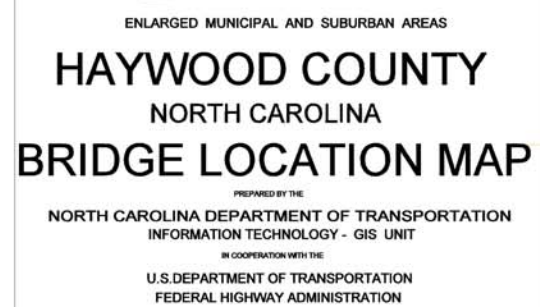
High Quality Waters No Nutrient Sensitive Waters No

Near Water Supply Intake No CAMA County No

Stream Classification C

DENR River Basin Info. French Broad

REVISED	
5/23/02	BOG
11/06/02	BOG
1/08/03	BOG
3/17/03	BOG
8/19/03	BOG
10/30/03	BOG
1/08/04	BOG
3/23/04	SRC
8/13/04	SRC
11/22/04	src
1/18/05	SRC
4/19/05	SRC
10/30/05	SRC
2/27/06	ELO





REVISIONS

BRIDGE LOCATION

DRAINAGE AREA=
1.18 SQ. MILE

NORTH CAROLINA

**DIVISION 14
HAYWOOD COUNTY**

**Bridge: #309 on SR 1373
Between SR 1374 and SR 1376**



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

PRI. MAINT. ISSUED,
TEMP. REPAIR - SUPPLEMENTED ABUTMENT POST.

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY HAYWOOD BRIDGE NUMBER 430309 INSPECTION CYCLE 2 YRS
ROUTE SR1373 ACROSS ROGERS COVE CREEK M.P. 0

LOCATION .1 MI.N.JCT.SR1374

SUPERSTRUCTURE TIMBER FLOOR ON TIMBER JOISTS

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

SPANS 1 @ 16'-6

LONGITUDE 82° 58' 14.3"

LATITUDE 35° 31' 59.6"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 04/18/2011

OPERATING RATING

PRESENT POSTING SV 13 TTST 22

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT DELINEATORS [4] AND NARROW BRIDGE [2]



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: 05/31/2011

COUNTY : HAYWOOD		DIV : 14		DIST : 2		STRUCTURE NUMBER : 430309		LENGTH : 17 FEET	
ROUTE CARRIED : SR1373				FEATURE INTERSECTED : ROGERS COVE CREEK					
LOCATED : .1 MI.N.JCT.SR1374				BRIDGE NAME :				CITY :	
FUNC. CLASS : 09		SYST.ON : NFA		SYST.UNDER : NFA		ADT & YR : 150 2000		RAIL TYPE : LT 227 RT 227	
BUILT : 1954		BY : BMU		PROJ :		FED.AID PROJ :		DESIGN LOAD : Other or Unknown	
REHAB :		BY : BMU		PROJ : 5.9451		ALIGNMENT : TAN		SKEW : 105	
								LANES : ON 2 UNDER	
NAVIGATION : VC 0.0 FT HC 0.0 FT				HT. CRN. TO BED : 6 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 : 10 LINES 6X12 TIMBER JOISTS @ 2' CENTERS									
FLOOR : 4X8 TIM/2 AWS		ENCROACHMENT :				DECK (OUT TO OUT) : 19.8 FT			
CLEAR ROADWAY : 18.8 FT		BETWEEN RAILS : 19.5 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 13		TTST 22 DATE 09/11/2006	
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: 430309 County: HAYWOOD Date: 04/18/2011 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	2.9	FILL FACE ABUTMENT 1
1.2	4.25	Top of Cap			
1.3	6.9	STREAM FACE ABUTMENT 1	1.3	6.6	STREAM FACE ABUTMENT 1
5	8	Water Surface/Water Edge (WSWE)			
8	8.4				
11	8	Water Surface/Water Edge (WSWE)			
15.2	7.7	STREAM FACE ABUTMENT 2	15.2	6.3	STREAM FACE ABUTMENT 2
15.3	4.25	Top of Cap			
16.5	3	FILL FACE ABUTMENT 2	16.5	2.9	FILL FACE ABUTMENT 2

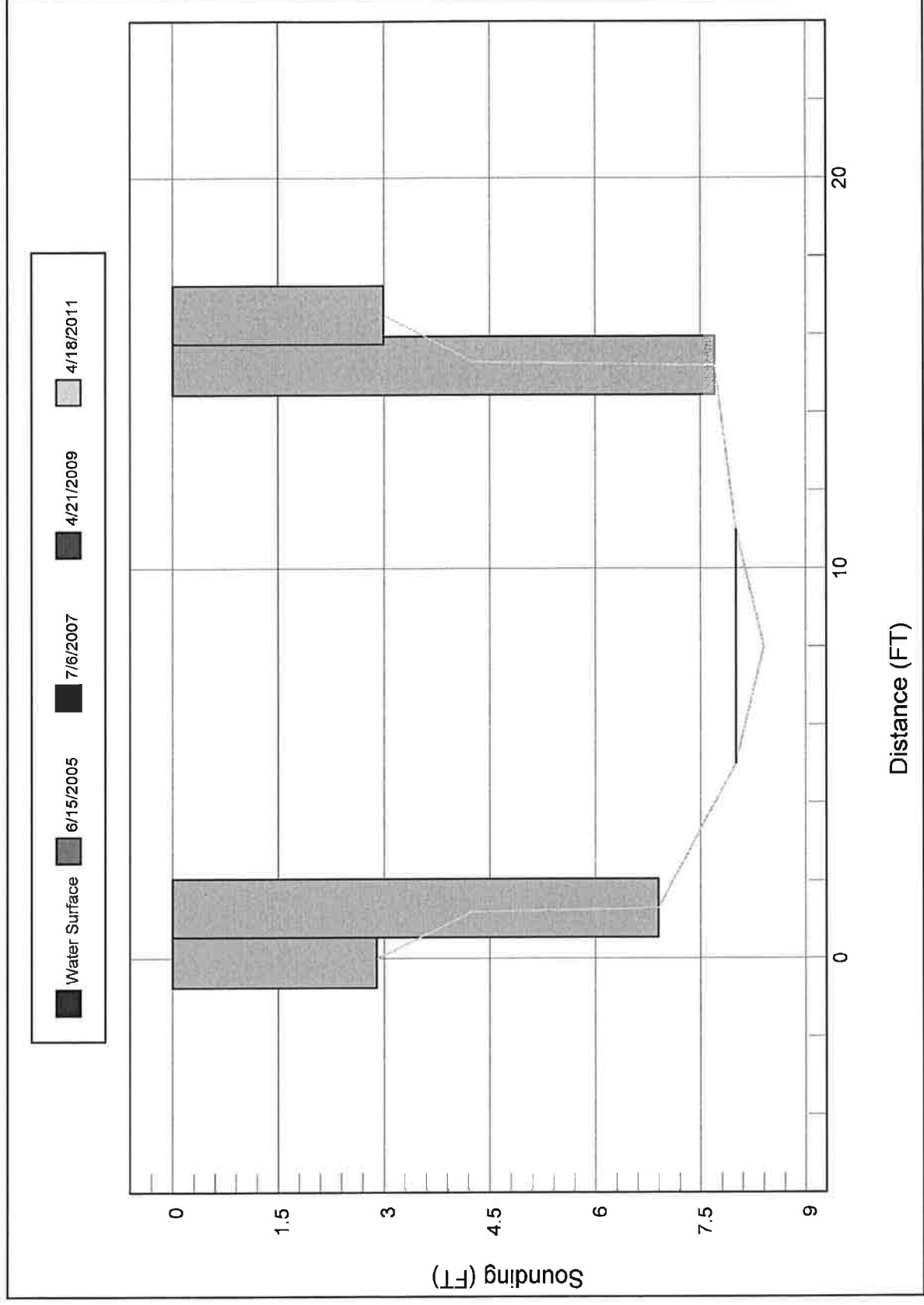
Bridge: 430309

County HAYWOOD

Date: 04/18/2011

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



The **projection** used in the preparation of this map was the North Carolina State Plane (FIPSZONE 3200). The **horizontal datum** was the North American Datum of 1983, GRS80 ellipsoid. Differences in datum, ellipsoid, projection, or Universal Transverse Mercator zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdictional boundaries. These differences do not affect the accuracy of the FIRM. All coordinates on this map are in U.S. Survey Feet, where 1 U.S. Survey Foot = 1200/3937 Meters.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988 (NAVD 88). These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. An average elevation of the structure and ground elevations must be determined and compared to the flood elevation. This has been computed for each North Carolina county. This offset was then applied to the NGVD 29 flood elevations that were not revised during the creation of this statewide format FIRMs. The offsets for each county shown on this FIRMs panel are shown in the vertical datum offset table below. Where a county boundary and the boundary with the NGVD 29 flood elevation are coincident, the offset for the individual offset had been calculated and applied during the county boundary to this statewide format FIRM. See Section 6.1 of the accompanying Flood Insurance Study report to obtain further information on the conversion of elevations between NAVD 88 and NGVD 29. To obtain current elevation, description, and/or location information for benchmark shown on this map, please contact the National Geodetic Survey, 2835 Boardwalk, Rockville, MD 20850. For more information on the National Geodetic Survey or to visit its website at <http://www.ngs.noaa.gov>

County	Vertical Datum Offset (ft)
Haywood	See Vertical Datum Offset Table in FIS Report
Example: NAVD 88 = NGVD 29 + (0.00)	



MAP SCALE 1" = 500' (1 : 6,000)

The graphic scale consists of two horizontal bars. The top bar is labeled 'FEET' and has major tick marks at 250, 0, 500, and 1000. The bottom bar is labeled 'METERS' and has major tick marks at 150, 0, 150, and 300. Both bars are divided into smaller segments for more precise measurements.

NC Division of Emergency Management National Flood Insurance Program
(919) 715-8000 <http://www.nccrimecontrol.org/nfip> 1-800-638-6620 <http://www.fema.gov/business/nfip>

 State of North Carolina
 Federal Emergency Management Agency