

OFFICE ESTIMATE

1 @ 40' Bridge

PREDESIGN-PRESURVEY REPORT

Project# _____
TIP# _____
Let Date _____
WBS# 17BP, 14, R. 106

County JACKSON (DIV. 14)

Bridge# 490.182
Road# SR 1747 (JOHNS CRK RD)
Stream JOHN'S CREEK
RICH MTN. BRANCH

Type Of Request: POC Force Account TIP NCMA

Date 8/1/13 Name MJY

Assigned To RCH

Checked By _____

Prior Survey Date _____ (attach copy of prior survey) BRN. BK. NO CO. FILE NO

Study By Scour Section NO

Flood Zone X Detail Study NONE Date 4/19/10 Panel# 7588

B.M. Info _____

Quad Map TUCKASEGEE Drainage Area 186 ACRE From USGS STREAM STATS
Q25 180 cfs Q50 240 cfs Q100 290 cfs Method NCDOT CHARTS/CONTOUR 8

EXISTING BRIDGE INFORMATION

Location 2.2 MI. E. JCT. SR 1748

Average Daily Traffic 420 6% TRK (2009)

Length 21' Bed- To Crown 9' Water Depth 1'

Type Structure TIM. FLOOR ON TIM. JOISTS, TIM. CAPS, POST, & SILLS

Type Spans 1 @ 20' - 6"

Upstream Structure NONE

Location _____

Bed- To Crown _____ Prior Survey _____

Downstream Structure 490183, TIM. FLOOR ON TIM. JOIST, TIM. CAPS, POST & SILLS, 1 @ 20'-6"

Location 2 MI. E. JCT. SR 1748

Bed- To Crown 8' (D=1') Prior Survey _____

SCS Watershed _____

ENVIRONMENTAL

TVA: YES

Trout Stream NO Anadromous Fish NO Primary Nursery Area NO

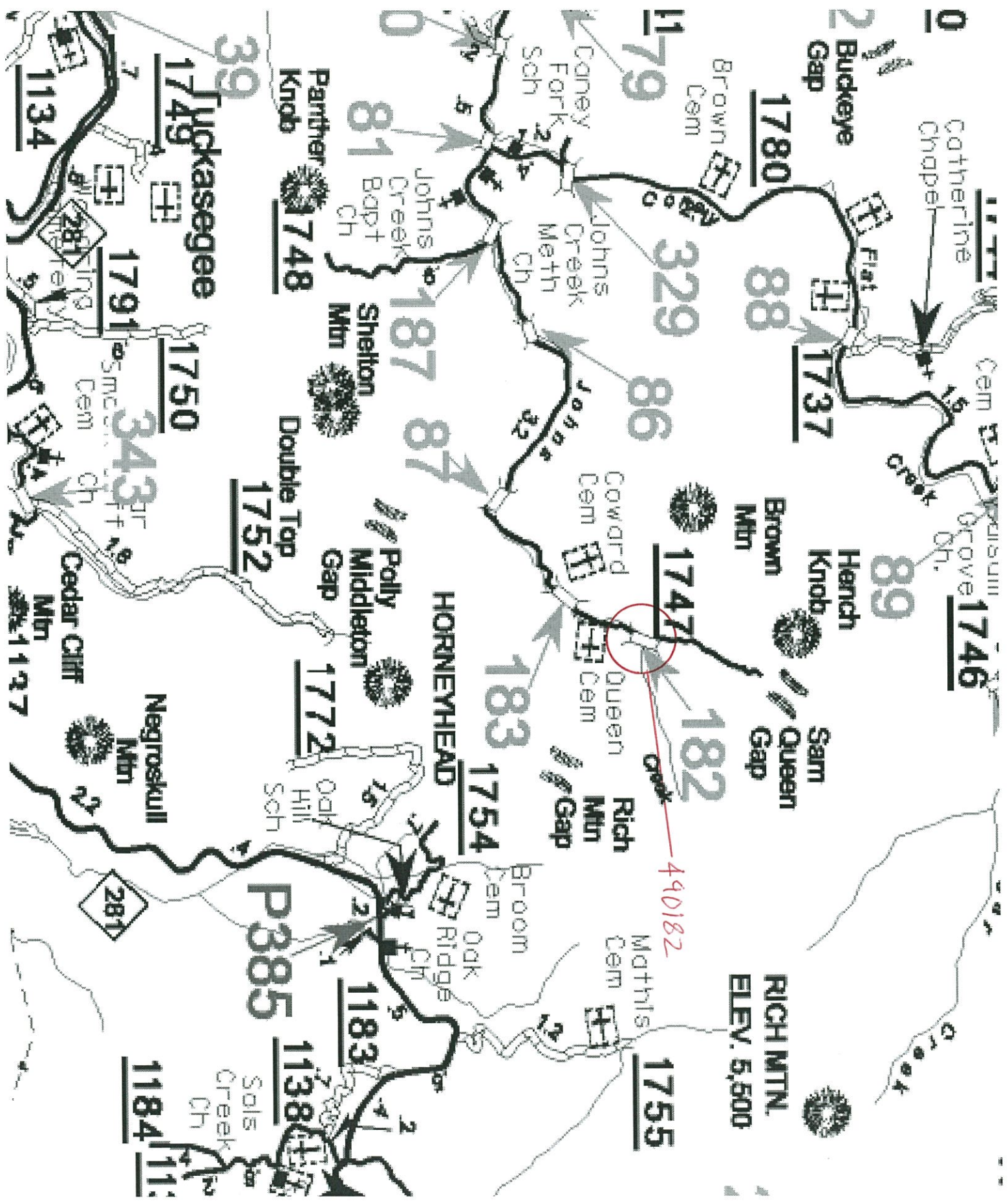
High Quality Waters NO Nutrient Sensitive Waters NO

Near Water Supply Intake NO CAMA County NO

Stream Classification WS-III 2-79-28-7-1

DENR River Basin Info. LITTLE TENN







North Carolina StreamStats

Streamstats Ungaged Site Report

Date: Tue Aug 27 2013 14:45:26 Mountain Daylight Time

Site Location: North_Carolina

NAD27 Latitude: 35.2908 (35 17 27)

NAD27 Longitude: -83.0584 (-83 03 30)

NAD83 Latitude: 35.2909 (35 17 27)

NAD83 Longitude: -83.0582 (-83 03 30)

Drainage Area: 0.29 mi²

Percent Urban: 0.0 %

Percent Impervious: 0.0 %

Peak Flows Region Grid Basin Characteristics			
100% Peak Southeast US 2009 5158 (0.29 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	0.29 (below min value 1)	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

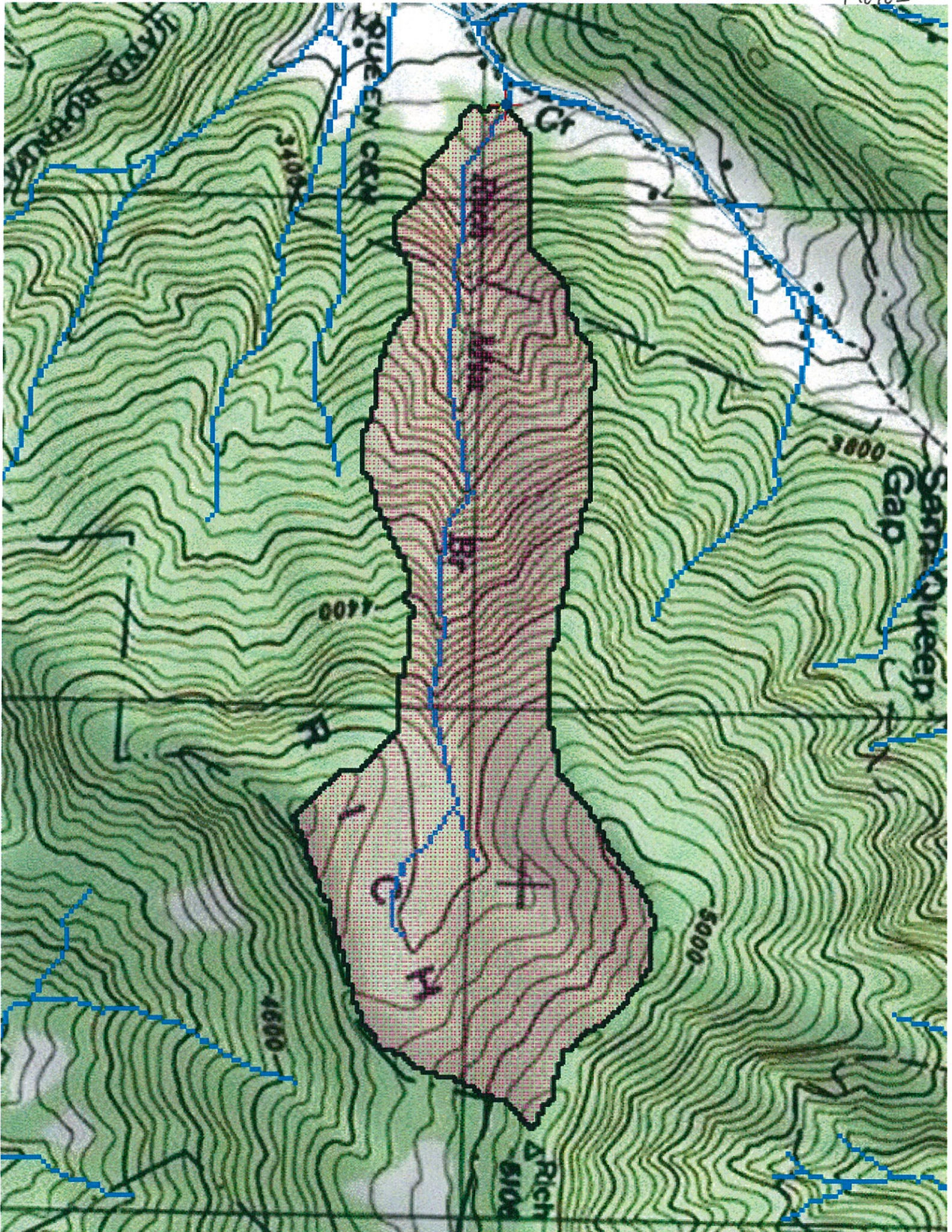
Warning: Some parameters are outside the suggested range. Estimates will be extrapolations with unknown errors.

Urban Flows Region Grid Basin Characteristics			
100% Peak urban Blue Ridge-Piedmont FS007-00 (0.29 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	0.29	0.04	41
Area of Impervious Surfaces (percent)	0.00 (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	41.8				
PK5	82.7				
PK10	116				
PK25	162				
PK50	197				
PK100	238				
PK200	275				
PK500	332				

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	0				
PK5U	0				
PK10U	0				
PK25U	0				
PK50U	0				
PK100U	0				





NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

TEMP. REPAIR - ALL ABUTMENT POST HAVE BEEN
SUPPLEMENTED SOMETIME IN THE PAST.

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY JACKSON BRIDGE NUMBER 490182 INSPECTION CYCLE 2 YRS
ROUTE SR1747 ACROSS JOHNS CREEK M.P. 0

LOCATION 2.2 MI.E.JCT.SR1748

SUPERSTRUCTURE TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE E.BTS:TIMBER CAPS/TIMBER POST & SILLS/CONC.FTGS.

SPANS 1 @ 20'-6

LONGITUDE 83° 3' 49.8"

LATITUDE 35° 17' 13.9"

PRESENT CONDITION GOOD

INVENTORY RATING

INSPECTION DATE 01/10/2012

OPERATING RATING

PRESENT POSTING SV 25 TTST 39 SV 25 TTST 39

PROPOSED POSTING

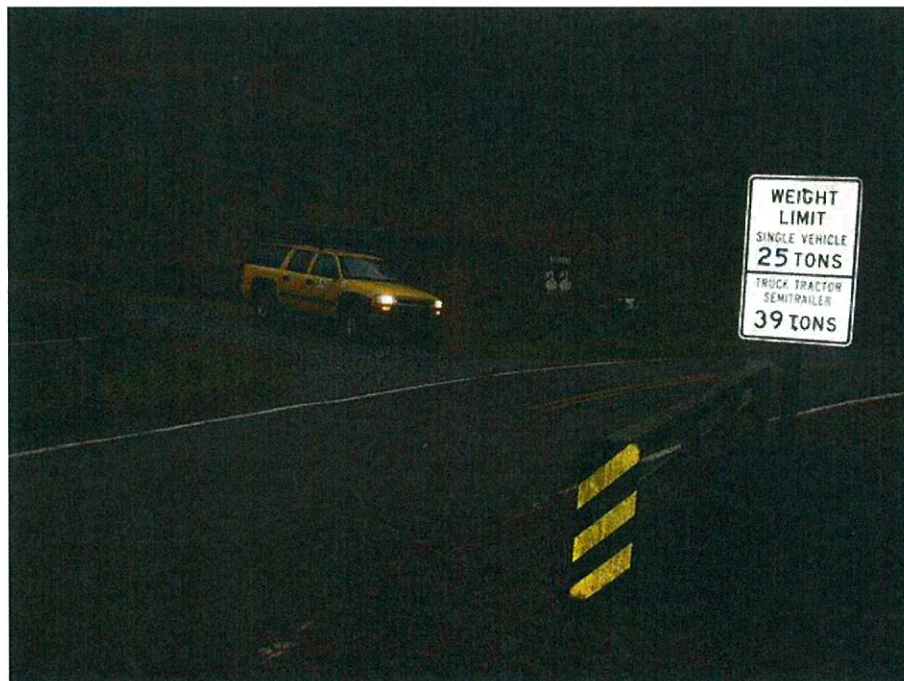
COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

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



LOOKING EAST

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	_____



BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 02/07/2012

COUNTY : JACKSON	DIVISION : 14	DISTRICT : 2	STRUCTURE NUMBER : 490182	LENGTH : 21 FEET
ROUTE CARRIED : SR1747		FEATURE INTERSECTED : JOHNS CREEK		
LOCATED : 2.2 MI.E.JCT.SR1748		BRIDGE NAME :		CITY :
FUNC. CLASS : 09	SYST.ON : NFA	SYST.UNDER : NFA	ADT & YR : 420 2009	RAIL TYPE : LT 227 RT 227
BUILT : 1961	BY : BMU	PROJ :	FED.AID PROJ :	DESIGN LOAD : Other or Unknown
REHAB :	BY : BMU	PROJ :	ALIGNMENT : TAN	SKEW : 45
			LANES : ON 2 UNDER	
NAVIGATION : VC 0 FT	HC 0 FT	HT. CRN. TO BED : 9 FT	WATER DEPTH : 1 FT	
SUPERSTRUCTURE : TIMBER FLOOR ON TIMBER JOISTS				
SUBSTRUCTURE : E.BTS:TIMBER CAPS/TIMBER POST & SILLS/CONC.FTGS.				
SPANS : 1 @ 20'-6				
BEAMS OR GIRDERS : 16 LINES 6X14 TIMBER JOISTS @ 1'-2.375 CENTERS				
FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) : 19.9 FT		
CLEAR ROADWAY : 19.1 FT	BETWEEN RAILS : 19.8 FT	SIDEWALK OR CURB : LT .3 FT RT .3 FT		
VERT.CL.OVER : 999.9 FT				
INV.RTG. : HS-1	OPE.RTG. : HS-1	CONTR.MEMBER : Int.jsts	POSTED : SV 25	TTST 39 DATE 10/14/2008
SYSTEM : Secondary S.R. Route		GREEN LINE ROUTE : N		
UNDER ROUTES AND CLEARANCES				

REMARKS :

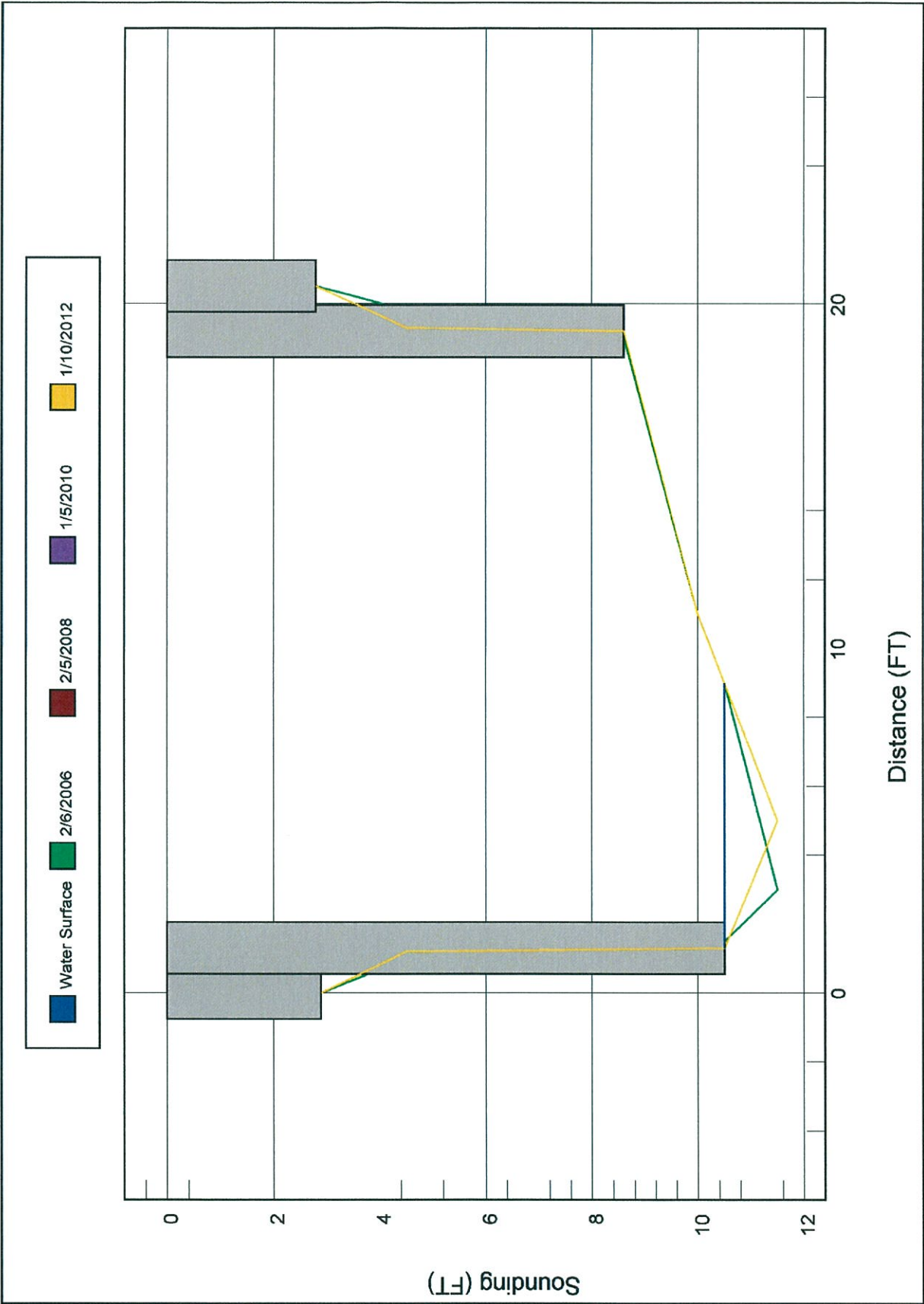
Bridge: 490182

County JACKSON

Date: 01/10/2012

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)





UPSTREAM



DOWNSTREAM



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This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIPs for this jurisdiction. The boundaries that were developed on the previous FIPs may have been required to conform to these new stream channel configurations. As a result, the third FIPs

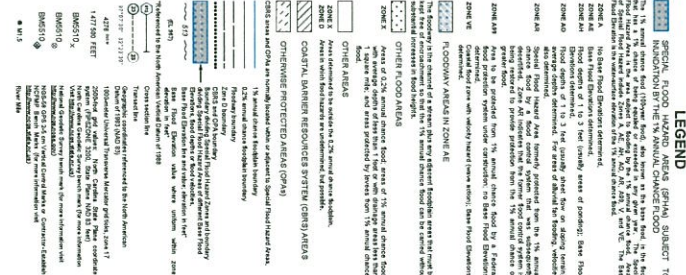
MAP REPOSITORY
Refer to lists of Map Repositories on Map Index or visit <http://www.maptreasures.com>.

[illegible][illegible][illegible]

Note to listing of Map Registrations on Map Index or visit www.floodmaps.com
 EFFECTIVE DATE OF FLOOD INSURANCE RATE MAP PANEL
 APRIL 19, 2010
 EFFECTIVE DATE(S) OF REMOVAL(S) TO THIS PANEL

www.ncilloodmaps.com

STATE OF NORTH CAROLINA
Federal Emergency Management Agency

[illegible]

Jackson County Unincorporated Areas 370282

ZONE X



3908 000 M

587 500 FEET

35° 17' 30"

490182

JOINS PANEL 7598

The floor kept free substant

ZONE X

ZONE X
ZONE D

CBRS are

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*Referenc

012

23

97° 07' 3

427

1 477

BME