

OFFICE ESTIMATE

1 @ 70' Bridge

PREDESIGN-PRESURVEY REPORT

Project# _____
TIP# _____
Let Date _____
WBS# 17BP. 11. R. 79

County Ashe

Bridge# 040187
Road# SR1100 (Peak Rd.)
Stream Three top creek

Type Of Request: POC Force Account TIP NCMA

Date 7/3/13 Name M. G. S.

Assigned To R. C. H.

Checked By SRH 7/5/13

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

Study By Scour Section _____

Flood Zone Yes Detail Study Redelineation Date 11/4/09 Panel# 2928

B.M. Info ATZ W/FI 14976 Ac.

Quad Map Warrensville Drainage Area 23.4 SQ MI From USGS / Stream Stats

Q25 3900 cfs Q50 4600 cfs Q100 5450 cfs Method Regression

EXISTING BRIDGE INFORMATION

Location 25 ft. Jct. E. SR 1121

Average Daily Traffic 750 YR. 2011

Length 41 ft. Bed-To Crown 11 ft. Water Depth 1 ft.

Type Structure Timber floor on I-Beams

Type Spans 1 @ 40'-6" Single spans

Upstream Structure 040335 steel plank floor on salvage I-beams

Location 10 ft. W. Jct. SR 1264

Bed-To Crown 9 ft. W.D. = 1 ft. Prior Survey _____

Downstream Structure 040059 Rc floor on I-beams & stl. plate GBR. (slip metal forms)

Location 1200 ft. S Jct. NC 88

Bed-To Crown 27 ft. W.D. = 2 ft. Prior Survey _____

SCS Watershed _____

ENVIRONMENTAL

TVA NO

Trout Stream Yes

Anadromous Fish NO

Primary Nursery Area NO

High Quality Waters Yes

Nutrient Sensitive Waters NO

Near Water Supply Intake NO

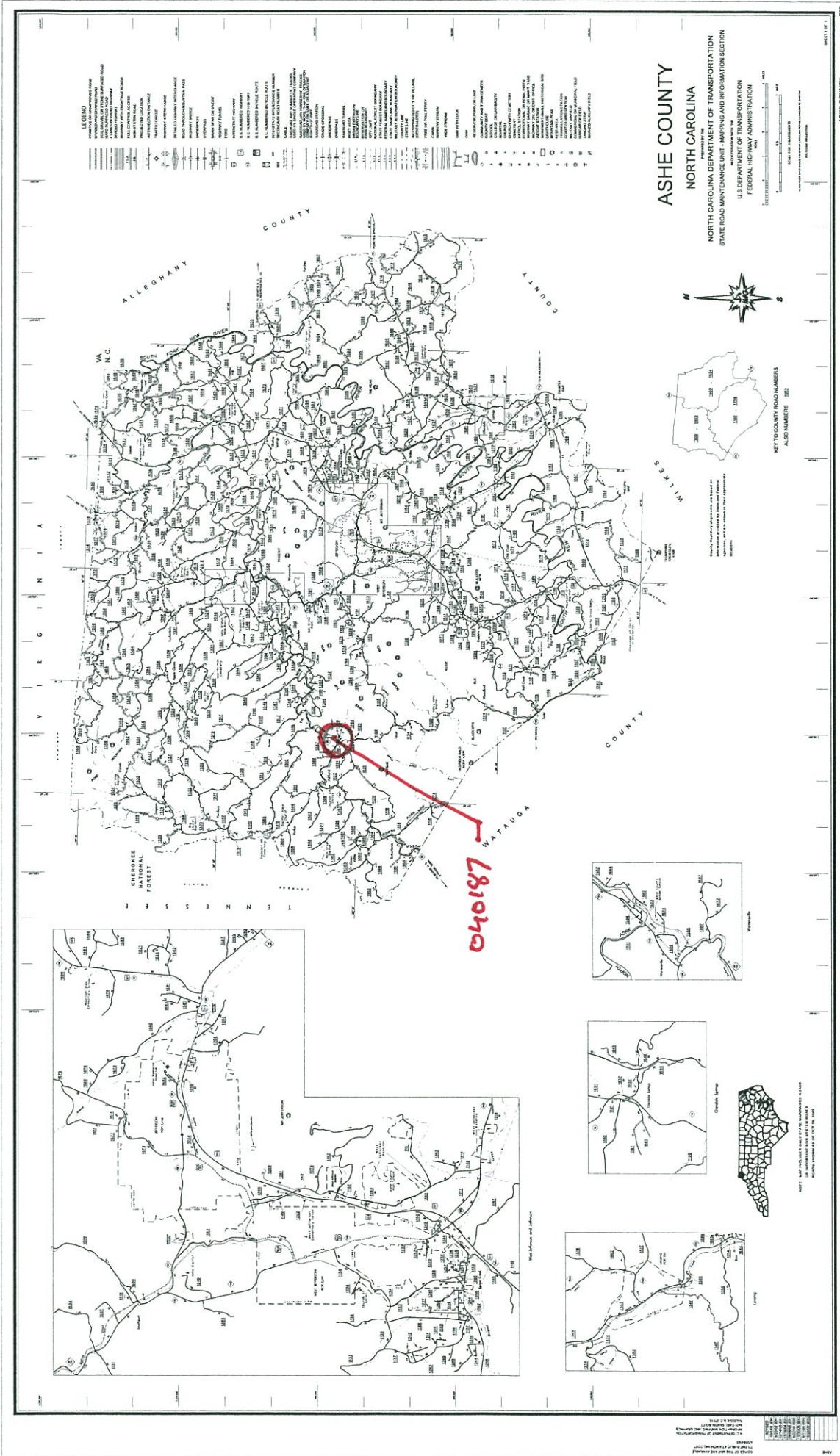
CAMA County NO

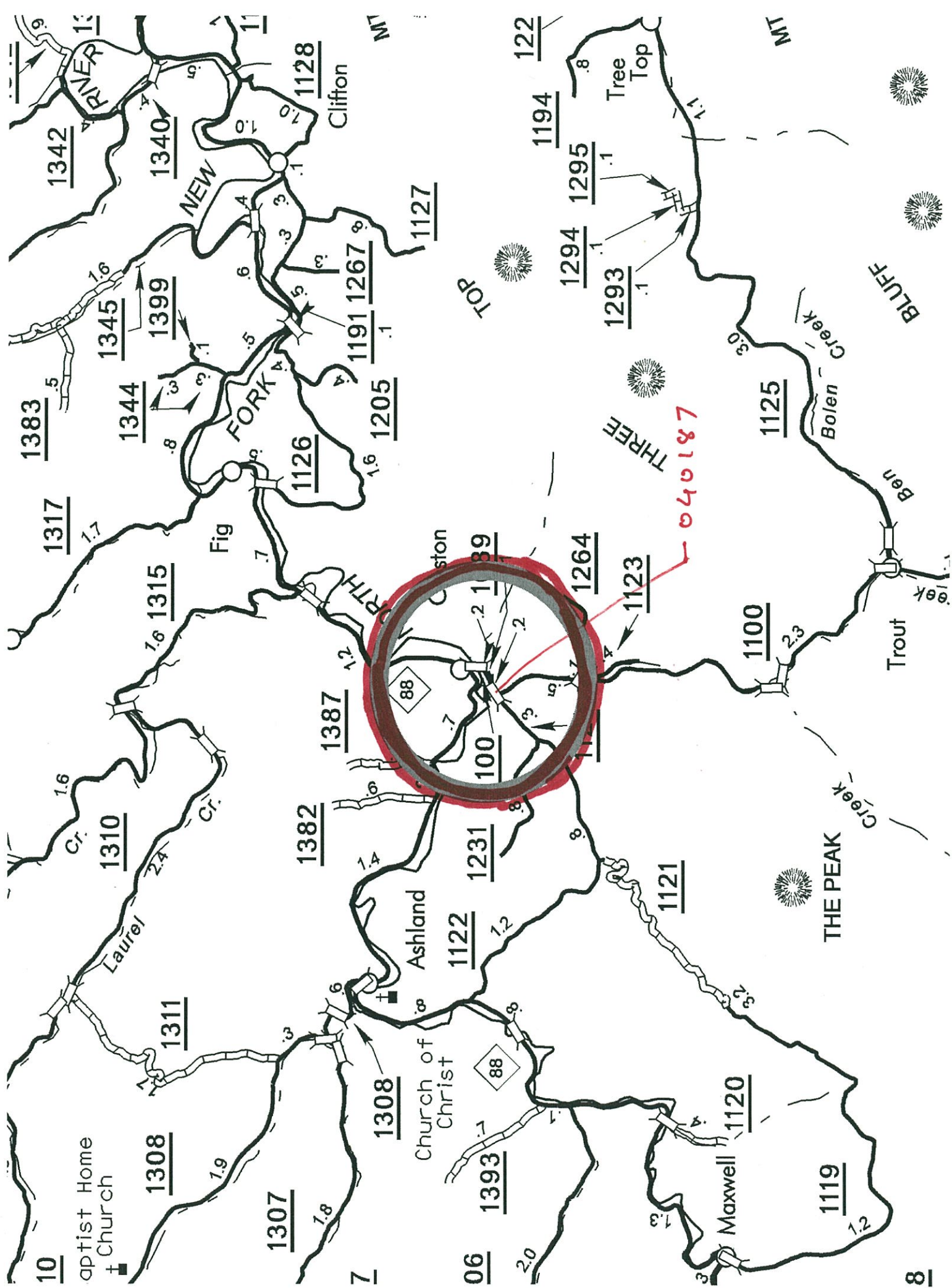
Stream Classification C; Tr; ORW; 10-2-13

DENR River Basin Info. New

From source to North Fork New River

7-22-13 JMS - LIKELY NEED EDR FOR THIS REDELINEATED







Streamstats Ungaged Site Report

Date: Tue Jul 2 2013 09:05:18 Mountain Daylight Time

Site Location: North_Carolina

NAD27 Latitude: 36.4280 (36 25 41)

NAD27 Longitude: -81.6239 (-81 37 26)

NAD83 Latitude: 36.4281 (36 25 41)

NAD83 Longitude: -81.6237 (-81 37 25)

Drainage Area: 23.4 mi2 — 14976

Percent Urban: 1.2 %

Percent Impervious: 0.1 %

Peak Flows Region Grid Basin Characteristics			
100% Peak Southeast US 2009 5158 (23.4 mi2)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	23.4	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 (23.4 mi2)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	23.4	0.04	41
Area of Impervious Surfaces (percent)	0.05 (below min value 2)	2	54.6

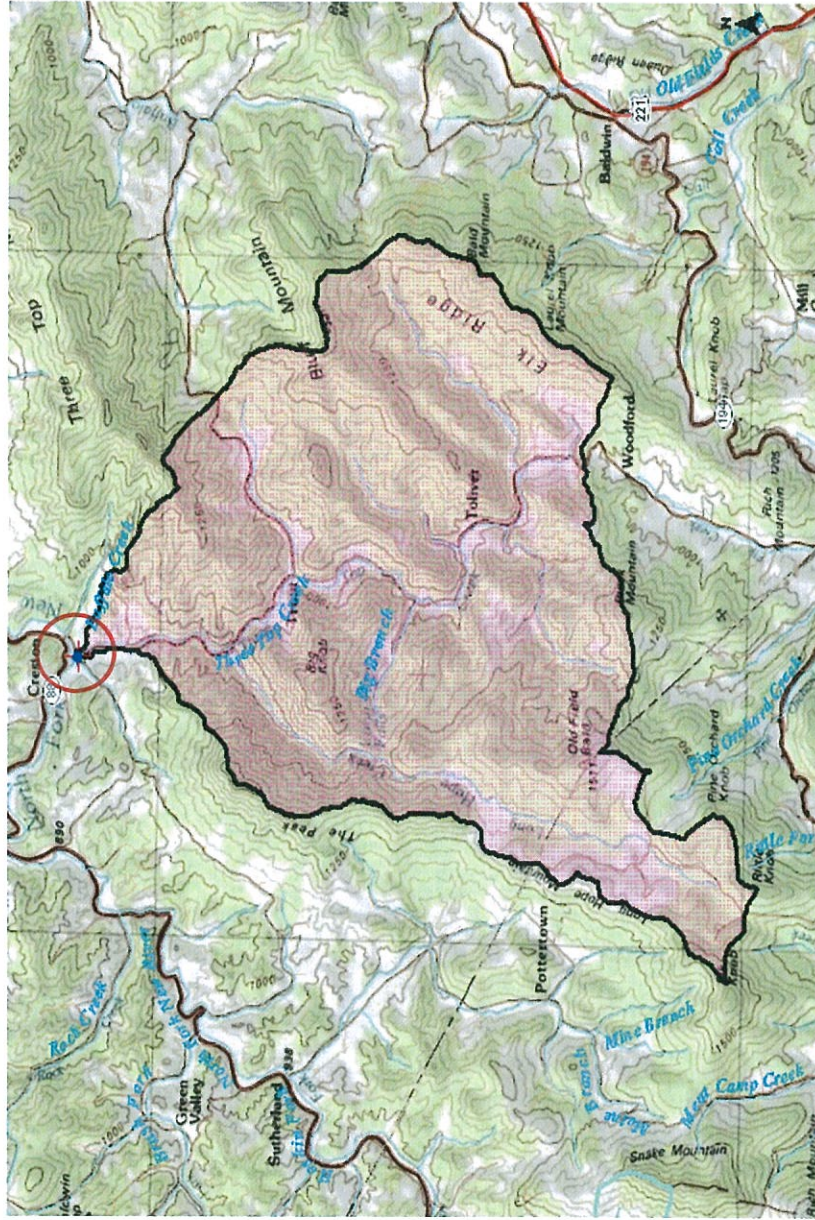
Warning: Some parameters are outside the suggested range. Estimates will be extrapolations with unknown errors.

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	1280	35		735	2220
PK5	2220	34		1280	3830
PK10	2940	35		1670	5160
PK25	3900	38		2140	7120
PK50	4600	40		2440	8670
PK100	5450	42		2800	10600
PK200	6180	44		3060	12500
PK500	7310	48		3450	15500

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	43.8				
PK5U	122				
PK10U	206				
PK25U	424				
PK50U	603				
PK100U	830				



StreamStats Print Page



- Explanation**
- ★ Global Watershed Point
 - SPT088P Point
 - NCDOT Points
 - ▲ Local Gages
 - ▲ Gaging Station, Continuous Record
 - ▲ Low Flow, Partial Record
 - ▲ Peak Flow, Partial Record
 - ▲ Peak and Low Flow, Partial Record
 - ▲ Stage Only
 - ▲ Low Flow, Partial Record, Stage
 - ▲ Miscellaneous Record
 - ▲ Unknown
 - Local NHD2
 - Longest Lowpath3D
 - Stream Grid
 - Global Watershed
 - Pilot Study Area
 - Hydrology





NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

TEMP REPAIR. AWS REMOVED

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY ASHE BRIDGE NUMBER 040187 INSPECTION CYCLE 2 YRS

ROUTE SR1100 ACROSS THREE TOP CREEK M.P. 0

LOCATION 25 FT.JCT.E.SR1121

SUPERSTRUCTURE TIMBER FLOOR ON I-BEAMS

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

SPANS 1 @ 40'-6

LONGITUDE 81° 37' 25.13"

LATITUDE 36° 25' 40.85"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 06/27/2012

OPERATING RATING

PRESENT POSTING SV 24 TTST 29

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT 4 DELIN. 2 NARROW BR.



LOOKING NORTH

SIGN NOTICE
ISSUED FOR

NUMBERED
REQUIRED

No	WEIGHT LIMIT	
No	DELINEATORS	
No	NARROW BRIDGE	
No	ONE LANE BRIDGE	
No	LOW CLEARANCE	

NATIONAL BRIDGE INVENTORY----- STRUCTURE INVENTORY AND APPRAISAL

Run Date: 07/23/2012

IDENTIFICATION			
(1) STATE NAME - NORTH CAROLINA	BRIDGE	040187	SUFFICIENCY RATING = 18.58
(8) STRUCTURE NUMBER(FEDERAL)	000000000090187	STATUS =	Structurally Deficient
(5) INVENTORY ROUTE (ON/UNDER) - ON	31011000		
(2) STATE HIGHWAY DEPARTMENT DISTRICT	3	CLASSIFICATION	
(3) COUNTY CODE 9 (4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -	YES
(6) FEATURE INTERSECTED - THREE TOP CREEK		(104)HIGHWAY SYSTEM Is not on NHS	0
(7) FACILITY CARRIED SR1100		(26) FUNCTIONAL CLASS - Local	09
(9) LOCATION 25 FT.JCT.E.SR1121		(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0
(11)MILEPOINT	0	(101)PARALLEL STRUCTURE - No Parallel Structure	N
(16)LAT 36° 25' 40.85" (17)LONG 81° 37' 25.13"		(102)DIRECTION OF TRAFFIC - 2-way Traffic	2
(98)BORDER BRIDGE STATE CODE	PCT SHARE	(103)TEMPORARY STRUCTURE - Temporary Structure/Conditions	T
(99)BORDER BRIDGE STRUCTURE NO		(110)DESIGNATED NATIONAL NETWORK - Not on the National Network	0
		(20) TOLL On Free Road	3
STRUCTURE TYPE AND MATERIAL		(31) MAINTAIN - State Highway Agency	01
(43) STRUCTURE TYPE MAIN: Steel		(22) OWNER - State Highway Agency	01
TYPE - Stringer Mullibeam or Girder	CODE 302	(37) HISTORICAL SIGNIFICANCE - Not Eligible	5
(44) STRUCTURE TYPE APPR :		CONDITION	
TYPE -	CODE 000	(58) DECK	7
(45) NUMBER OF SPANS IN MAIN UNIT	1	(59) SUPERSTRUCTURE	5
(46) NUMBER OF APPROACH SPANS		(60) SUBSTRUCTURE	4
(107)DECK STRUCTURE TYPE - 8	CODE	(61) CHANNEL & CHANNEL PROTECTION	7
(108)WEARING SURFACE / PROTECTIVE SYSTEM :		(62) CULVERTS	N
(A) TYPE OF WEARING SURFACE -	CODE	LOAD RATING AND POSTING	
(B) TYPE OF MEMBRANE -	CODE	(31) DESIGN LOAD Unknown	0
(C) TYPE OF DECK PROTECTION -	CODE	(63) OPERATING RATING METHOD - Load Factor	
AGE AND SERVICE		(64) OPERATING RATING - HS-1	101
(27) YEAR BUILT	1960	(65) INVENTORY RATING METHOD - Load Factor	
(106)YEAR RECONSTRUCTED		(66) INVENTORY RATING - HS-1	101
(42) TYPE OF SERVICE : ON - Highway		(70) BRIDGE POSTING - Posting Required	1
UNDER - Waterway	CODE 15	(41) STRUCTURE OPEN, POSTED, OR CLOSED	P
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE		DESCRIPTION - Posted for Load	
(29) AVERAGE DAILY TRAFFIC	750	APPRAISAL	
(30) YEAR OF ADT 2011 (109) TRUCK ADT PCT	6%	(67) STRUCTURAL EVALUATION	3
(19) BYPASS OR DETOUR LENGTH	5 MI	(68) DECK GEOMETRY	2
GEOMETRIC DATA		(69) UNDERCLEARANCES, VERTI & HORIZ	N
(48) LENGTH OF MAXIMUM SPAN	39 FT	(71) WATERWAY ADEQUACY	7
(49) STRUCTURE LENGTH	41 FT	(72) APPROACH ROADWAY ALIGNMENT	7
(50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT		(36) TRAFFIC SAFETY FEATURES	0000
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	19.2 FT	(113)SCOUR CRITICAL BRIDGES	U
(52) DECK WIDTH OUT TO OUT	20 FT	PROPOSED IMPROVEMENTS	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	16 FT	(75) TYPE OF WORK -	CODE
(33) BRIDGE MEDIAN - No Median	CODE 0	(76) LENGTH OF STRUCTURE IMPROVEMENT	
(34) SKEW 0° (35) STRUCTURE FLARED	0	(94) BRIDGE IMPROVEMENT COST	
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT	(95) ROADWAY IMPROVEMENT COST	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	19.2 FT	(96) TOTAL PROJECT COST	
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad	0 FT	(114)FUTURE ADT 1500 (115) YEAR FUTURE ADT 2025	
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad	000 FT	INSPECTIONS	
(56) MIN LAT UNDERCLEAR LT REF -	000 FT	(90) INSPECTION DATE	06/27/2012
NAVIGATION DATA		(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE
(38) NAVIGATION CONTROL - No Navigational Control	CODE 0	A) FRACTURE CRIT DETAIL - NO	A)
(111)PIER PROTECTION -	CODE	B) UNDERWATER INSP - NO	B)
(39) NAVIGATION VERTICAL CLEARANCE	0	C) OTHER SPECIAL INSP NO	C)
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR	FT	SCOUR	
(40) NAVIGATION HORIZONTAL CLEARANCE	0 FT		

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 07/23/2012

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
ASHE	11	3	040187	41	FEET
ROUTE CARRIED :		FEATURE INTERSECTED :			
SR1100		THREE TOP CREEK			
LOCATED :		BRIDGE NAME :		CITY :	
25 FT.JCT.E.SR1121					
FUNC. CLASS :		SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09		NFA	NFA	750 2011	LT 227 RT 227
BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :	
1960	BMU			Unknown	
REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
			TAN	90	ON 2 UNDER
NAVIGATION :		HT. CRN. TO BED :		WATER DEPTH :	
VC	0 FT	HC	0 FT	11 FT	1 FT
SUPERSTRUCTURE : TIMBER FLOOR ON I-BEAMS					
SUBSTRUCTURE : E.BTS:TIM.CAPS/TIM.POST&SILLS @ VAR.CENTERS					
SPANS : 1 @ 40'-6					
BEAMS OR GIRDERS : 9 LINES 18 I-BEAMS @ 2'-3.5 CENTERS					
FLOOR :	ENCROACHMENT :		DECK (OUT TO OUT) :		
4X8 TIM/NO AWS			20 FT		
CLEAR ROADWAY :		BETWEEN RAILS :		SIDEWALK OR CURB :	
19.2 FT		19.8 FT		LT .3 FT	RT .3 FT
VERT.CL.OVER : 999.9 FT					
INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-1	HS-1	Int.bms	SV 25	31	07/20/2012
SYSTEM : Secondary S.R. Route			GREEN LINE ROUTE : N		
UNDER ROUTES AND CLEARANCES					
REMARKS :					

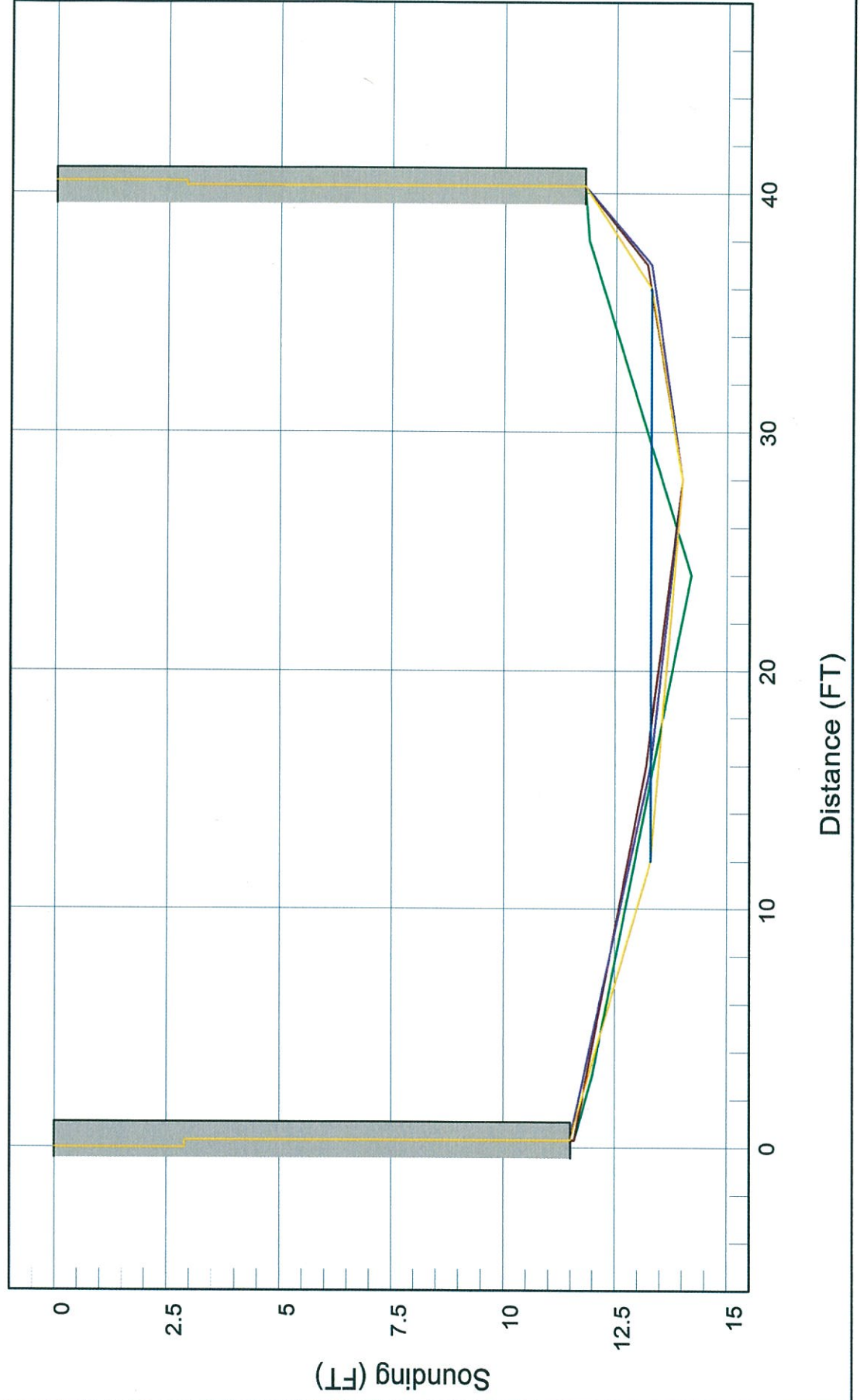
Bridge: 040187

County ASHE

Date: 06/27/2012

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)

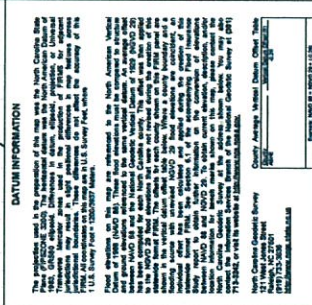




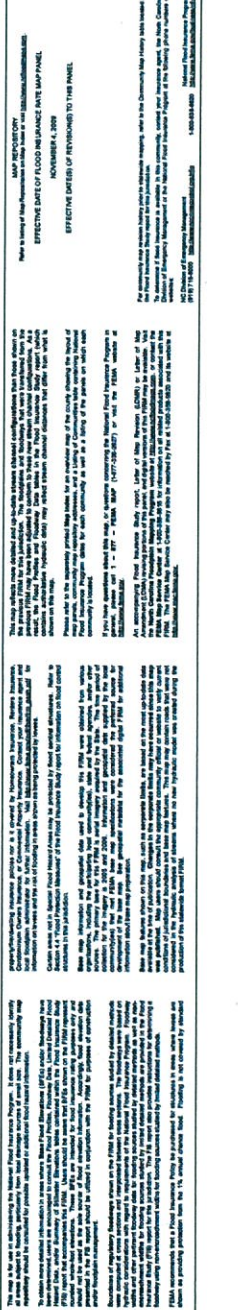
LOOKING DOWNSTREAM



LOOKING UPSTREAM

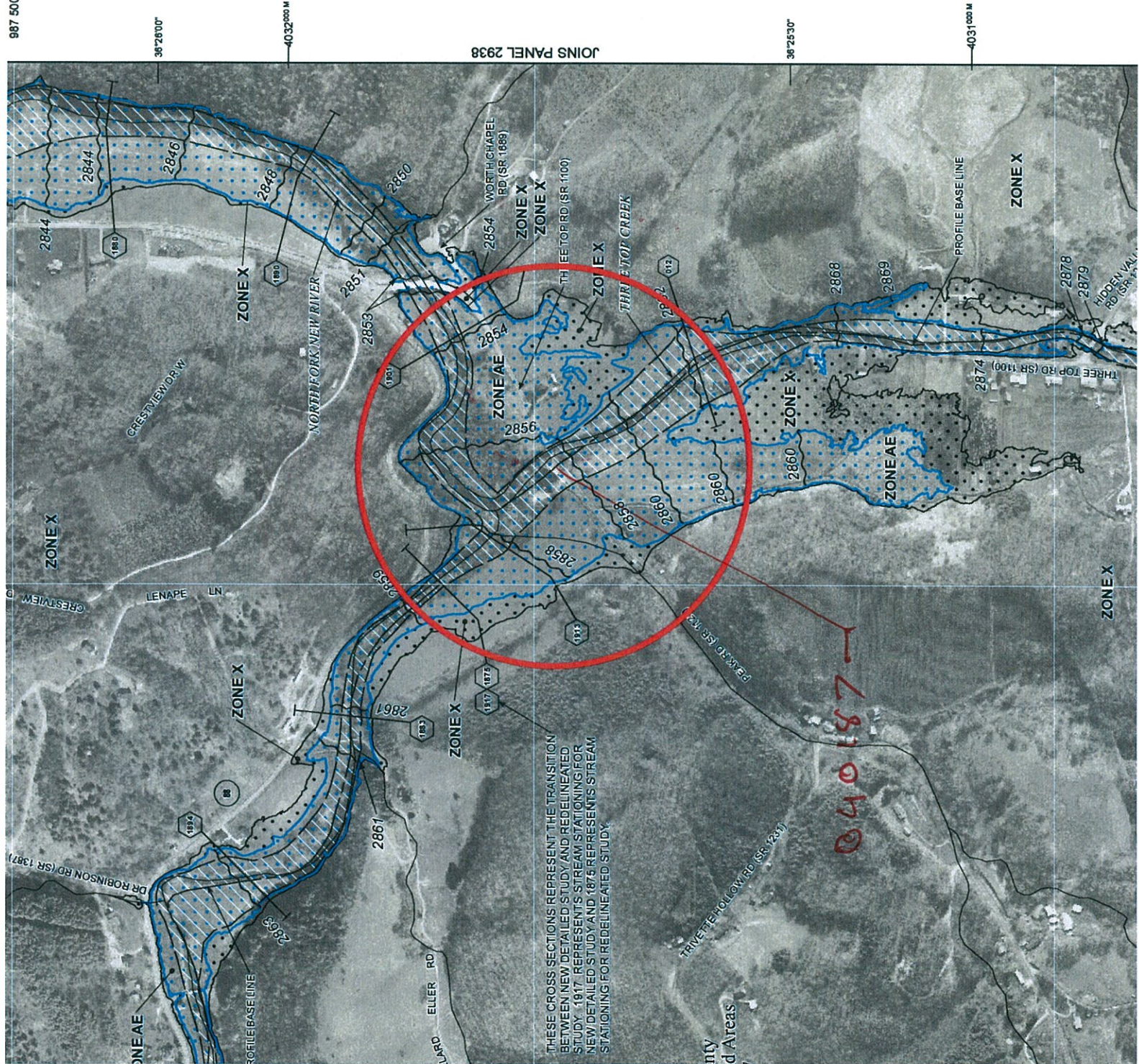


100



N/FIP	NATIONAL FLOOD INSURANCE PROGRAM		PANEL 2523J FLOOD INSURANCE RATE MAP NORTH CAROLINA	
	PANEL 2523 FLOOD INSURANCE RATE MAP NORTH CAROLINA		EFFECTIVE DATE NOVEMBER 4, 2000 371626000	
FEDERAL EMERGENCY MANAGEMENT AGENCY State of North Carolina		Do not alter this map. Replicate as shown. Contact the National Flood Insurance Program for more information. This map is not to be used for purposes of the Flood Damage Prevention Act.		
FEDERAL EMERGENCY MANAGEMENT AGENCY State of North Carolina		FEDERAL EMERGENCY MANAGEMENT AGENCY State of North Carolina		

987 500 FEET



JOINS PANEL 2938

36°26'00"

4032000 M

36°25'30"

4031000 M

Section 4.0 – Area Studied

**Table 4—Flooding Sources Studied by
Detailed Methods: Redelineated**

Source	Riverine Sources		Affected Communities
	From	To	
Hoskins Fork	The confluence with the North Fork New River	The Ashe/Watauga County boundary	Ashe County (Unincorporated Areas)
North Fork New River (Downstream)	Approximately 0.4 mile upstream of the confluence of North Fork New River Tributary 1	Approximately 1,160 feet downstream of the confluence of Helton Creek	Ashe County (Unincorporated Areas)
North Fork New River (Downstream Middle)	Approximately 300 feet downstream of North Fork New River Road (SR 1513)	Approximately 0.4 mile downstream of Rich Hill Farms Road	Ashe County (Unincorporated Areas)
North Fork New River (Upstream Middle)	Approximately 510 feet upstream of the confluence of Three Top Creek	Approximately 1,150 feet upstream of the confluence of Rock Creek	Ashe County (Unincorporated Areas)
North Fork New River (Upstream)	Approximately 50 feet upstream of West Peak Road (SR 1119)	The Ashe/Watauga County boundary	Ashe County (Unincorporated Areas)
South Fork New River	Approximately 2.4 miles upstream of Kings Creek Road (SR 1308)	The Ashe/Watauga County boundary	Ashe County (Unincorporated Areas)
Three Top Creek	The confluence with North Fork New River	Approximately 0.4 mile upstream of Hidden Valley Road (SR 1264)	Ashe County (Unincorporated Areas)
Tributary A	The confluence with Beaver Creek	Approximately 120 feet upstream of Brook Lane (SR 1188)	Ashe County (Unincorporated Areas), Town of West Jefferson
Tributary B	The confluence with Beaver Creek	Approximately 1,300 feet upstream of Beaver Creek School Road (SR 1248)	Ashe County (Unincorporated Areas)

Table 5, “Flooding Sources Studied by Detailed Methods: Limited Detailed” contains a list of flooding sources that were studied by approximate methods in previous FISs but were revised using limited detailed methods for this FIS.

**Table 5—Flooding Sources Studied by
Detailed Methods: Limited Detailed**

Source	Riverine Sources		Affected Communities
	From	To	
Bear Creek	The confluence with South Fork New River	Approximately 1.8 miles upstream of NC Highway 16	Ashe County (Unincorporated Areas)
Big Horse Creek	Approximately 920 feet upstream of Anderson Hill Road (SR 1366)	Approximately 0.6 mile upstream of the 3 rd Farmers Store Road (SR 1360) crossing	Ashe County (Unincorporated Areas)

Section 5.0 – Engineering Methods

Table 7—Summary of Discharges

Flooding Source	Location	Drainage Area (square miles)	Discharges (cfs)			
			10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Three Top Creek	Approximately 1.1 miles upstream of the confluence with North Fork New River	22.4	*	*	5,194	*
	Approximately 1.2 miles downstream of Trout Lane	21.9	*	*	5,128	*
	Approximately 0.7 mile downstream of Trout Lane	16.2	*	*	4,252	*
	Approximately 880 feet downstream of Trout Lane	15.7	*	*	4,172	*
	Approximately 1,980 feet upstream of Trout Lane	13.0	*	*	3,696	*
	Approximately 30 feet upstream of Rash Road	12.4	*	*	3,594	*
	Approximately 0.4 mile downstream of Cascade Drive	10.8	*	*	3,291	*
	Approximately 10 feet downstream of Cascade Drive	9.8	*	*	3,101	*
	Approximately 0.6 mile downstream of Bald Fork Road	7.7	*	*	2,672	*
	Approximately 10 feet downstream of Bald Fork Road	4.6	*	*	1,930	*
Tributary A	Just downstream of Buck Mountain Circle (SR 1137)	*	376	761	1,015	1,888
	Approximately 1,100 feet upstream of School Street (SR 1227)	*	242	491	655	1,218
Tributary B	Approximately 600 feet upstream of mouth	*	160	325	433	805
West Fork	At the confluence with Pine Swamp Creek	5.9	*	*	2,258	*
	Approximately 20 feet upstream of Idlewild Road (SR 1003)	5.3	*	*	2,111	*
	Approximately 0.7 mile upstream of Idlewild Road (SR 1003)	3.8	*	*	1,716	*

Section 5.0 – Engineering Methods

Table 9—Roughness Coefficients

Stream	Channel "n"	Overbank "n"
Old Field Creek (North)	0.045	0.040 – 0.150
Peak Creek	0.048 – 0.055	0.070 – 0.150
Pine Swamp Creek	0.050	0.070 – 0.140
Piney Creek	0.050	0.080 – 0.150
Rich Hill Creek	0.055	0.060 – 0.150
Roan Creek	0.046 – 0.050	0.060 – 0.140
Roaring Fork	0.050 – 0.060	0.080 – 0.150
Rock Creek	0.055	0.080 – 0.150
Shippy Branch	0.050	0.060 – 0.150
Silas Creek	0.050	0.060 – 0.140
Silas Creek Tributary 1	0.060	0.100 – 0.140
Silas Creek Tributary 2	0.050	0.060 – 0.140
South Beaver Creek	0.035 – 0.052	0.070 – 0.130
South Fork Little Horse Creek	0.050	0.060 – 0.140
South Fork New River	0.038 – 0.080	0.035 – 0.160
South Fork New River Tributary 3	0.050	0.060 – 0.140
South Fork New River Tributary 4	0.050	0.060 – 0.140
Stagg Creek	0.055	0.080 – 0.150
Three Top Creek	0.047	0.020 – 0.140
Tributary A	N/A	N/A
Tributary B	N/A	N/A
West Fork	0.050	0.060 – 0.140

N/A-Not Available

For flooding sources studied by limited detailed methods in the county, standard hydrologic and hydraulic study methods were used to determine the flood hazard data required for this report and the FIRM panels. This method entails developing a HEC-RAS hydraulic model, resulting in the calculation of BFEs and the delineation of the 1% annual chance floodplain (designated as Zone AE). Cross sections for the flooding sources studied by limited detailed methods were obtained using digital elevation data obtained with LIDAR technology developed as part of the North Carolina Statewide Floodplain Mapping Program. The hydraulic model is prepared using this digital elevation data, without surveying bathymetric or structural data. Where bridge or culvert data are readily available, such as from the North Carolina Department of Transportation, these data have been reflected in the hydraulic model. If these structural data are not readily available, field measurements of these structures were made to approximate their geometry in the hydraulic models. In addition, this method does not include field surveys that determine specifics on channel and floodplain characteristics. A limited detailed study is a "buildable" product that can be upgraded to a fully detailed study at a later date by verifying stream channel characteristics, bridge and culvert opening geometry, and by analyzing multiple recurrence intervals.

The results of the HEC-RAS computations are tabulated for all cross sections (Table 10, "Limited Detailed Flood Hazard Data"). Flood Profiles have not been developed for streams studied by limited detailed methods. In addition, floodways for streams studied by limited detailed methods are not delineated on the FIRM. However, the 1% annual chance water-surface elevations, flood

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD 88)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Three Top Creek 012 042 058	1,200	412	893	7.0	2,862.1	2,862.1	2,863.1	1.0
	4,160	163 ²	759	8.0	2,886.4	2,886.4	2,887.4	1.0
	5,800	44	397	14.7	2,908.4	2,908.4	2,909.4	1.0
Tributary A 011 015 018 020 024 029 037 047	1,050	71	275	2.0	3,025.7	3,025.7	3,026.7	1.0
	1,450	30	1,111	7.1	3,028.2	3,028.2	3,029.2	1.0
	1,750	107	753	1.1	3,037.6	3,037.6	3,038.6	1.0
	2,000	127	532	1.5	3,037.7	3,037.7	3,038.7	1.0
	2,400	51	116	6.4	3,040.8	3,040.8	3,041.8	1.0
	2,900	15	74	9.6	3,056.7	3,056.7	3,057.7	1.0
	3,700	102	466	1.3	3,066.9	3,066.9	3,067.9	1.0
	4,700	35	84	7.8	3,088.2	3,088.2	3,089.2	1.0
Tributary B 003 006 014	300	17	49	9.3	3,102.4	3,102.4	3,103.4	1.0
	600	22	71	6.1	3,116.5	3,116.5	3,117.5	1.0
	1,400	16	60	7.0	3,128.6	3,128.6	3,129.6	1.0

¹ Feet above mouth

² Value is inaccurate, as the floodway has been adjusted in this area to match topographic-based floodplain redelineation

FEDERAL EMERGENCY MANAGEMENT AGENCY

TABLE 12

ASHE COUNTY, NC
AND INCORPORATED AREAS

FLOODWAY DATA

THREE TOP CREEK - TRIBUTARY A -
TRIBUTARY B

