

OFFICE ESTIMATE

1 @ 50' Bridge

PREDESIGN-PRESURVEY REPORT

Project# _____
TIP# _____
Let Date _____
WBS# 17 BP. 14. R. 105

County JACKSON, DIV. 14)

Bridge# 490 164
Road# SR 1462 (WOODFIN RD)
Stream WOODFIN CREEK

Type Of Request: POC Force Account TIP NCMA

Date 8/13 Name MTJ

Assigned To RCH

Checked By _____

BRN. BK. NO CO FILE NO

Prior Survey Date _____ (attach copy of prior survey)

Study By Scour Section NO

Flood Zone X Detail Study NONE Date 4/14/10 Panel# 7673

B.M. Info _____

Quad Map HAZELWOOD Drainage Area 2.7 SQ. MI. From USGS STREAM STATS

Q25 800 cfs Q50 1000 cfs Q100 1200 cfs Method REGR. EQNS. / REG. 2

EXISTING BRIDGE INFORMATION

Location 100 FT. N. JLT. SR 1463

Average Daily Traffic 330 6% TRK (2000)

Length 21' Bed- To Crown 10' Water Depth 1'

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

Type Spans 1 @ 20'-10"

Upstream Structure NONE

Location _____

Bed- To Crown _____ Prior Survey _____

Downstream Structure WOODFIN CREEK MERGES INTO SCOTTS CRK; D/S STR. N/A

Location DUE TO 2 SQ. MI. INCREASE IN D.A.

Bed- To Crown _____ Prior Survey _____

SCS Watershed _____

ENVIRONMENTAL

TVA' YES

Trout Stream YES

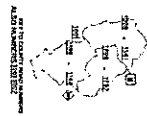
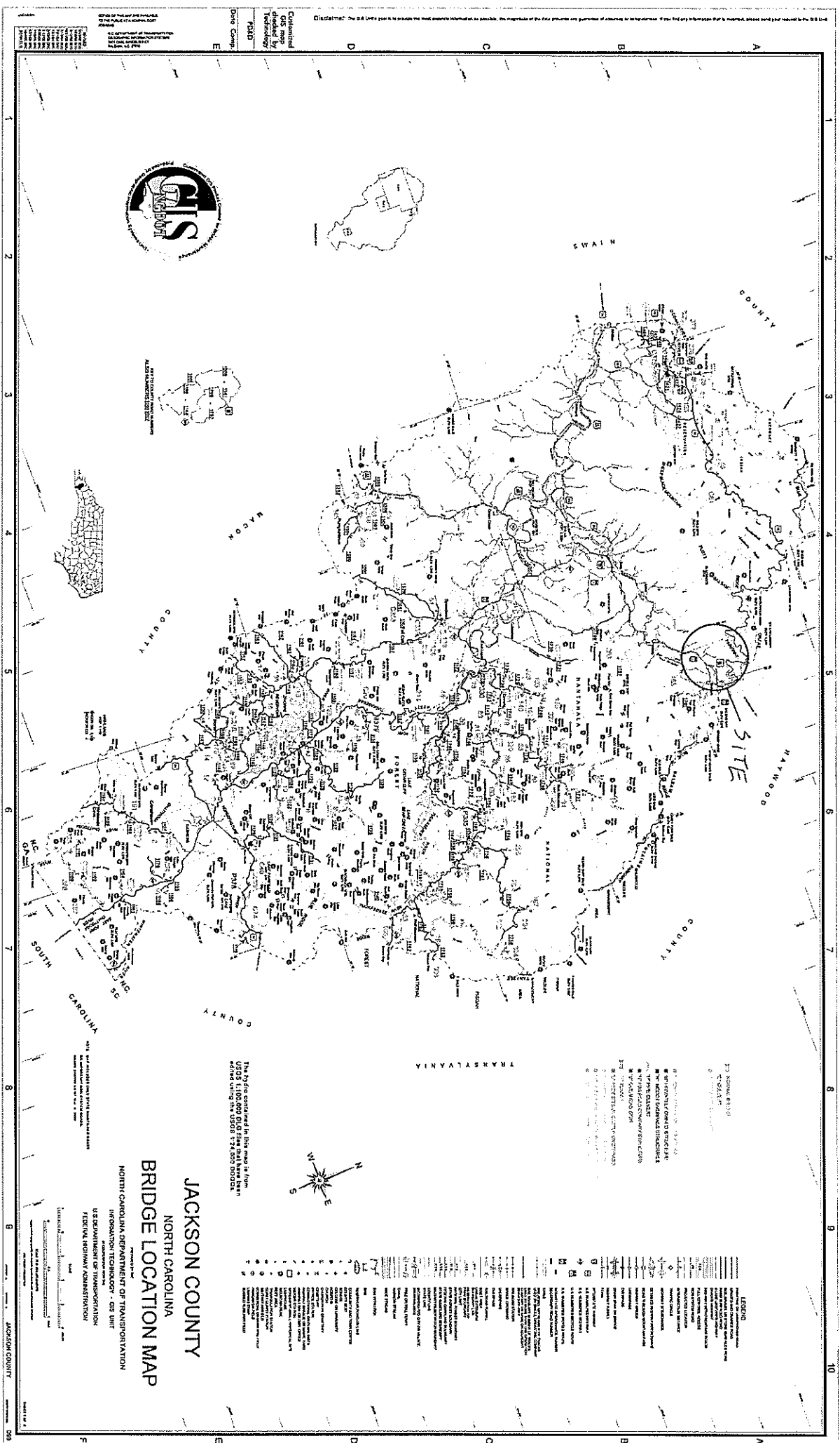
Anadromous Fish NO Primary Nursery Area NO

High Quality Waters NO Nutrient Sensitive Waters NO

Near Water Supply Intake NO CAMA County NO

Stream Classification C; Tr. 2-79-39-1

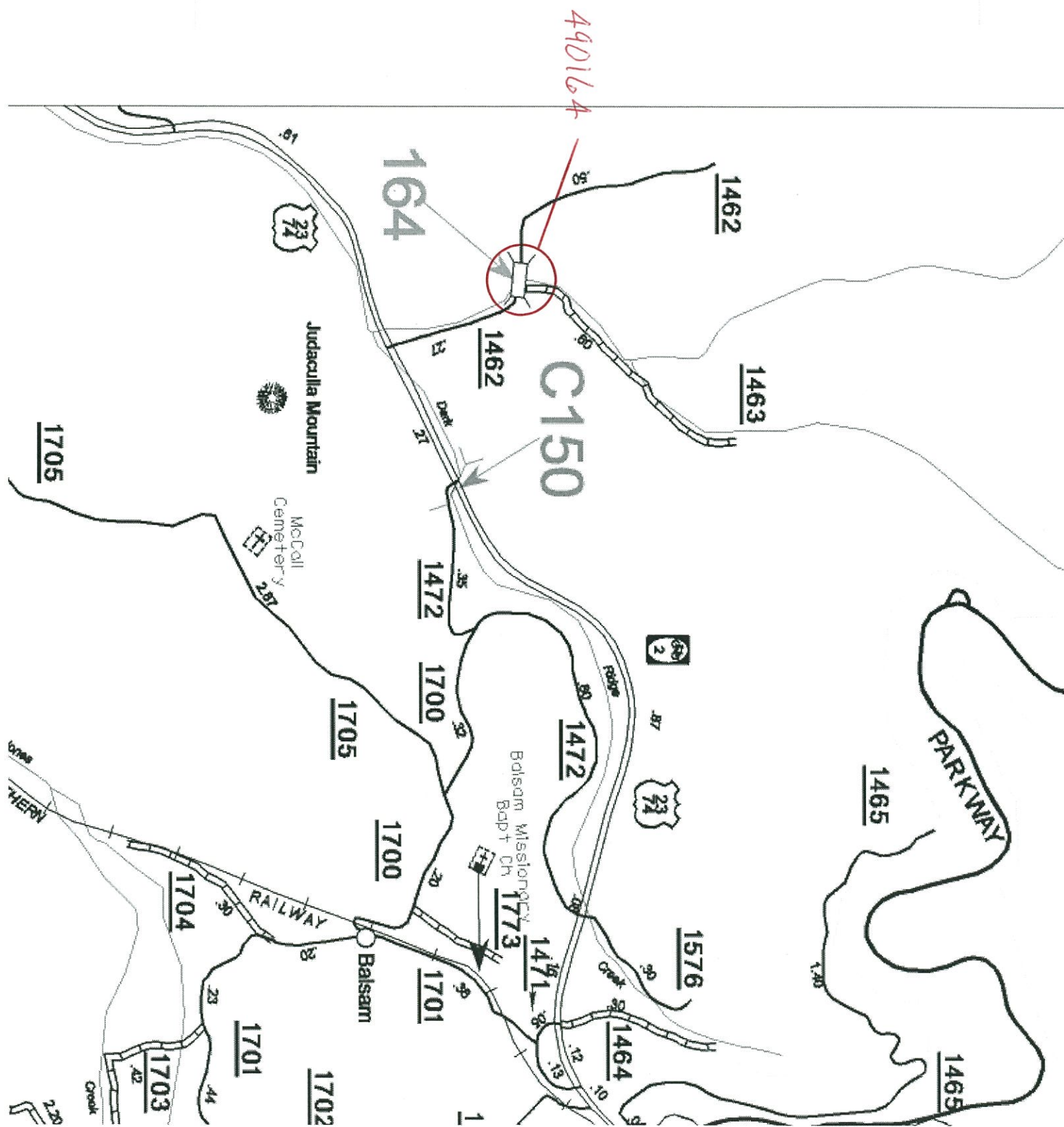
DENR River Basin Info. _____



JACKSON COUNTY
NORTH CAROLINA
BRIDGE LOCATION MAP
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
INFORMATION TECHNOLOGY - GIS UNIT
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

The North Carolina map in this map is from the 1:250,000 scale map of North Carolina, published by the U.S. Geological Survey, and is not to be used for navigation.

- LEGEND**
- 1. ROAD
 - 2. RAILROAD
 - 3. RIVER
 - 4. LAKE
 - 5. CREEK
 - 6. STREAM
 - 7. FLOODPLAIN
 - 8. WETLAND
 - 9. SWAMP
 - 10. MARSH
 - 11. PRAIRIE
 - 12. FOREST
 - 13. OPEN LAND
 - 14. URBAN
 - 15. SUBURBAN
 - 16. RURAL
 - 17. MOUNTAIN
 - 18. HILL
 - 19. VALLEY
 - 20. PLAIN
 - 21. COAST
 - 22. BEACH
 - 23. ISLAND
 - 24. PENINSULA
 - 25. STRAIT
 - 26. GULF
 - 27. BAY
 - 28. SOUND
 - 29. FJORD
 - 30. FISSURE
 - 31. CRACK
 - 32. CANYON
 - 33. Gorge
 - 34. Ravine
 - 35. Draw
 - 36. Run
 - 37. Branch
 - 38. Tributary
 - 39. Confluence
 - 40. Delta
 - 41. Mouth
 - 42. Inlet
 - 43. Spit
 - 44. Point
 - 45. Head
 - 46. Tail
 - 47. Neck
 - 48. Isthmus
 - 49. Causeway
 - 50. Bridge
 - 51. Tunnel
 - 52. Viaduct
 - 53. Overpass
 - 54. Underpass
 - 55. Interchange
 - 56. Roundabout
 - 57. Roundabout
 - 58. Roundabout
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 - 99. Roundabout
 - 100. Roundabout





North Carolina StreamStats

Streamstats Ungaged Site Report

Date: Tue Aug 27 2013 14:56:47 Mountain Daylight Time

Site Location: North_Carolina

NAD27 Latitude: 35.4296 (35 25 47)

NAD27 Longitude: -83.1064 (-83 06 23)

NAD83 Latitude: 35.4297 (35 25 47)

NAD83 Longitude: -83.1063 (-83 06 23)

Drainage Area: 2.73 mi²

Percent Urban: 8.6 %

Percent Impervious: 0.3 %

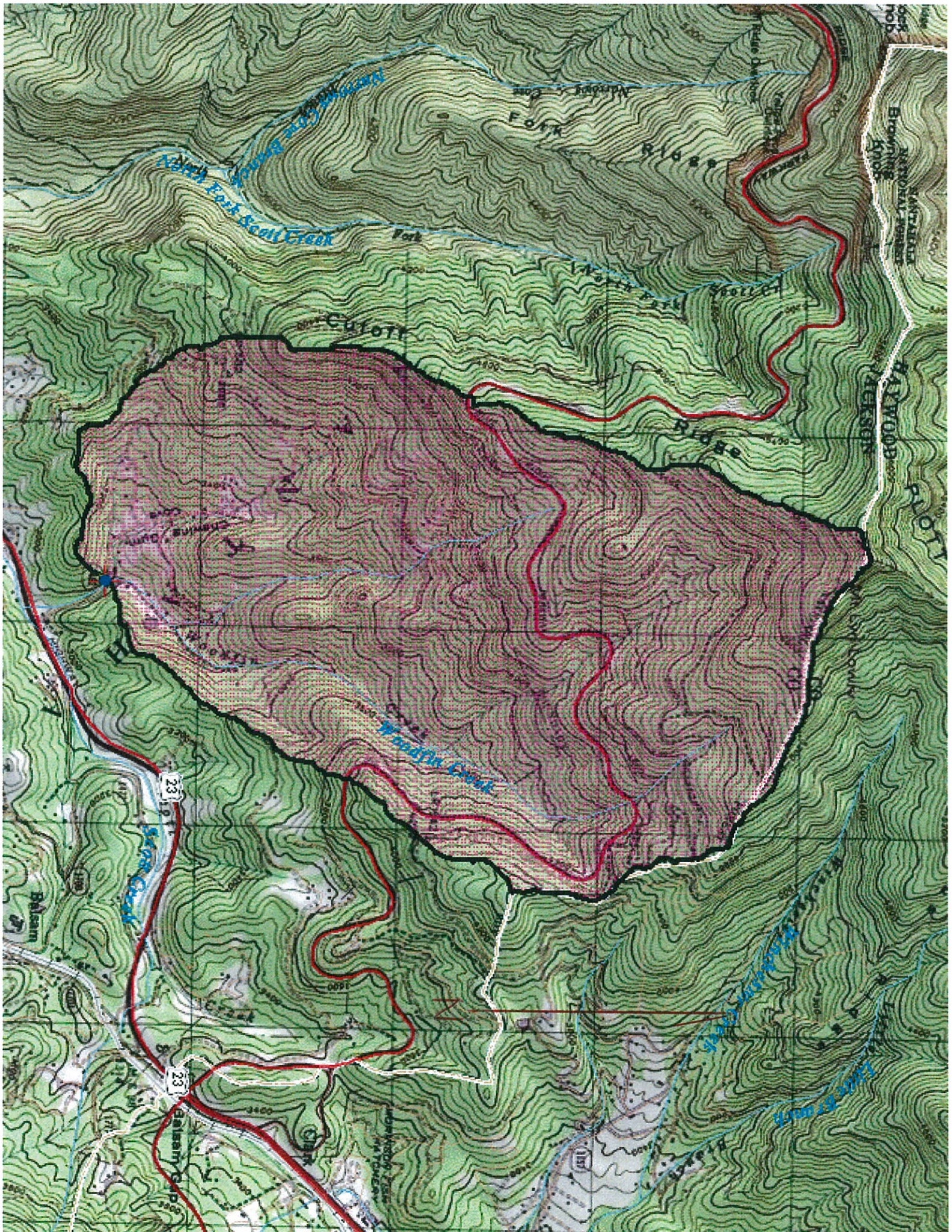
Peak Flows Region Grid Basin Characteristics			
100% Peak Southeast US 2009 5158 (2.73 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	2.73	1	9000
Percent Area in Region 1 (percent)	0.000	0	100
Percent Area in Region 2 (percent)	100.000	0	100
Percent Area 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 (2.73 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	2.73	0.04	41
Area of Impervious Surfaces (percent)	0.28 (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	240	35		136	421
PK5	443	34		254	774
PK10	604	35		340	1070
PK25	824	38		446	1520
PK50	984	40		516	1880
PK100	1180	42		596	2330
PK200	1350	44		656	2760
PK500	1610	48		747	3480

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	29.2				
PK5U	75.5				
PK10U	122				
PK25U	242				
PK50U	327				
PK100U	430				





NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY JACKSON BRIDGE NUMBER 490164 INSPECTION CYCLE 2 YRS
ROUTE SR1462 ACROSS WOODFIN CREEK M.P. 0

LOCATION 100 FT.N.JCT.SR1463

SUPERSTRUCTURE TIMBER FLOOR ON TIMBER JOISTS

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

SPANS 1 @ 20'-6

LONGITUDE 83° 6' 23.0"

LATITUDE 35° 25' 47.0"

PRESENT CONDITION GOOD

INVENTORY RATING

INSPECTION DATE 03/05/2012

OPERATING RATING

PRESENT POSTING SV 24 TTST 37

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>

WEIGHT
LIMIT
SINGLE VEHICLE
24 TONS
TRUCK TRACTOR
SEMITRAILER
37 TONS

440164

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 03/30/2012

COUNTY : JACKSON DIVISION : 14 DISTRICT : 2 STRUCTURE NUMBER : 490164 LENGTH : 21 FEET

ROUTE CARRIED : SR1462 FEATURE INTERSECTED : WOODFIN CREEK

LOCATED : 100 FT.N.JCT.SR1463 BRIDGE NAME : CITY :

FUNC. CLASS : 09 SYST.ON : NFA SYST.UNDER : NFA ADT & YR : 330 2000 RAIL TYPE : LT 227 RT 227

BUILT : 1957 BY : BMU PROJ : FED.AID PROJ : DESIGN LOAD : Other or Unknown

REHAB : BY : BMU PROJ : ALIGNMENT : TAN SKEW : 80 LANES : ON 2 UNDER

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 10 FT WATER DEPTH : 1 FT

SUPERSTRUCTURE : TIMBER FLOOR ON TIMBER JOISTS

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

SPANS : 1 @ 20'-6

BEAMS OR GIRDERS : 15 LINES 6X14 TIMBER JOISTS @ 1'-3.5 CENTERS

FLOOR : 4X8 TIM/2 AWS ENCROACHMENT : PVC PIPE DECK (OUT TO OUT) : 20 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 Joist POSTED : SV 24 TTST 37 DATE 10/30/2008

SYSTEM : Secondary S.R. Route GREEN LINE ROUTE : N

UNDER ROUTES AND CLEARANCES

REMARKS :

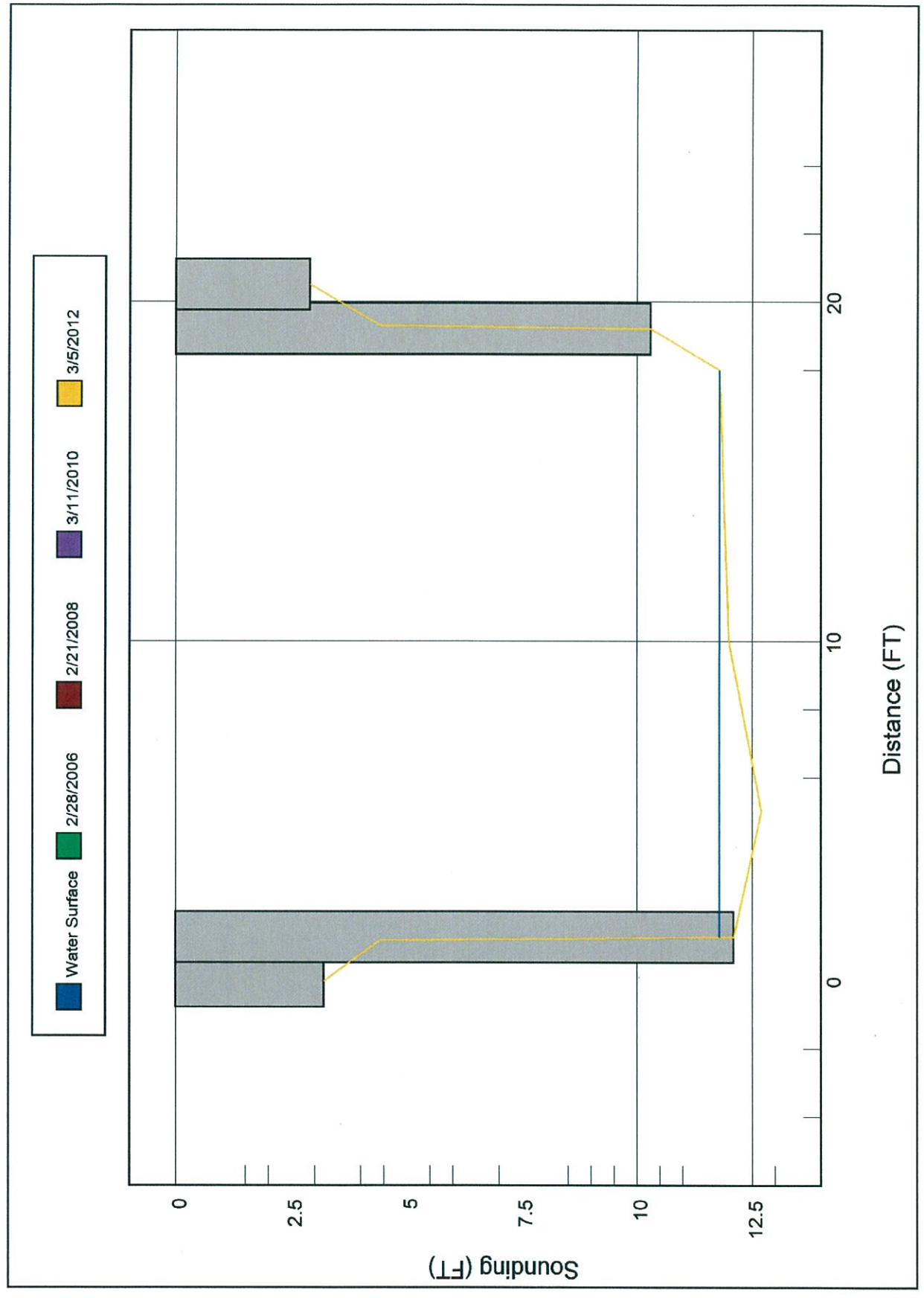
Bridge: 490164

County JACKSON

Date: 03/05/2012

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Structure 490164

County JACKSON

Date: 03/05/2012

Structure Photos



DOWNSTREAM



North Carolina's Superior Court
 (919) 733-5343
 www.ncsc.uscourts.gov

Court Appointed Neutral Panel Chair, Linda
 Davidson
 618



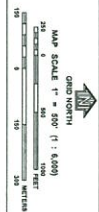
NOTES TO USERS

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This digital flood insurance (also Map FIRM) was produced through a unique partnership between the U.S. Environmental Protection Agency and the Federal Emergency Management Agency (FEMA). The State of Maryland, Canada and the Federal Emergency Management Agency (FEMA) have joined forces to develop a new long term approach of floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map floodplain areas at the local level. As a part of this effort, the State of Maryland has agreed to provide the necessary data to FEMA, the State of Canada and FEMA to produce and maintain this digital FIRM.

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

[illegible][illegible]

ZONE X
Jackson County
Unincorporated Areas
370282

E DOGWOOD LN

WEAST VIEW RD

W MARIAH RD

E DESTINY RIDGE

W RABBIT CREEK

E ICICLE RIDGE
(SR 1463)

W WOODFIN RD
(SR 1462)

Woodfin Creek

ZONE AE

ZONE AE



490164

EPICKET LN

W CRADLE ROCK RD

2863
2868
2892
2898
2903

2908

2917

2916

2921

2926

2932

2941

695

703

711

719

725