

PREDESIGN/PRESURVEY REPORT

County: Guilford

Project No.:

TIP No.:

Let Date:

WBS No.:

Bridge No.: 400427

Road No.: SR2704 (Poley Rd)

Stream: Rose Creek

Type of Request:

Date: 5/23/2013

Name:

Assigned to: CJL

Checked by:

Prior Survey Date (attach copy of prior survey):

Study by Scour Section:

Flood Zone: AE

Detail Study: LDS

Date: 07/03/07

Panel No.: 8910

BM Info:

Quad Map: BRWNSM (Browns Summit)

Drainage Area: 3.0

From: StreamStats

Q25: 1000cfs

Q50: 1300cfs

Q100: 1500cfs

Method: USGS RURAL, REGION 1

EXISTING BRIDGE INFORMATION

Location: 0.3 MI. E. JCT. SR2703 (Chrismon Rd)

Average Daily Traffic: 2000 - 150

Length: 52 ft

Bed-to-Crown: 11 ft

Water Depth: 1 ft

Type of Structure: TIMBER DECK ON TIMBER JOISTS, END & INTERIOR BENTS:TIMBER CAPS ON TIMBER PILES, TIMBER BULKHEADS

Type of Span(s): 1@17'9", 1@16'11", 1@17'8"

Upstream Structure: 400146 – 3 LINES 137X87 CM PIPE ARCH, 59'10 ALONG CENTERLINE PIPE

Location: 1.0 MI. W. JCT. NC150

Bed-to-Crown: 10 ft

Prior Survey:

Downstream Structure: 780089 - 1@100' PRESTRESSED CONCRETE BOX BEAMS, APPROACH SLABS. END BENTS: REINFORCED CONCRETE CAPS ON STEEL PILES

Location: 0.7 MI. E. JCT. SR2628 (Hearth Rd)

Bed-to-Crown: 14 ft

Prior Survey:

SCS Watershed:

ENVIRONMENTAL

Trout Stream: No

Anadromous Fish: No

Primary Nursery Area: No

High Quality Waters: No

Nutrient Sensitive Waters: Yes

Near Water Supply Intake: Jordan Lake

CAMA County: No

Stream Classification: C: Aquatic Life, Secondary Recreation, Fresh Water **Notes:** None

DENR River Basin Info: Cape Fear - Jordan Lake

MAINTENANCE COORDINATION

Bridge Maintenance – Contact Superintendent and Supervisor.

High Water:

Relocation:

New Alignment Staked:

BM Information:

Road Maintenance – Contact District Engineer and County Maintenance Engineer.

High Water:

Road to be Paved:

Relocation of Vicinity of Bridge:

New Alignment Staked:

BM Information:

Initiated as:

Date Initiated:

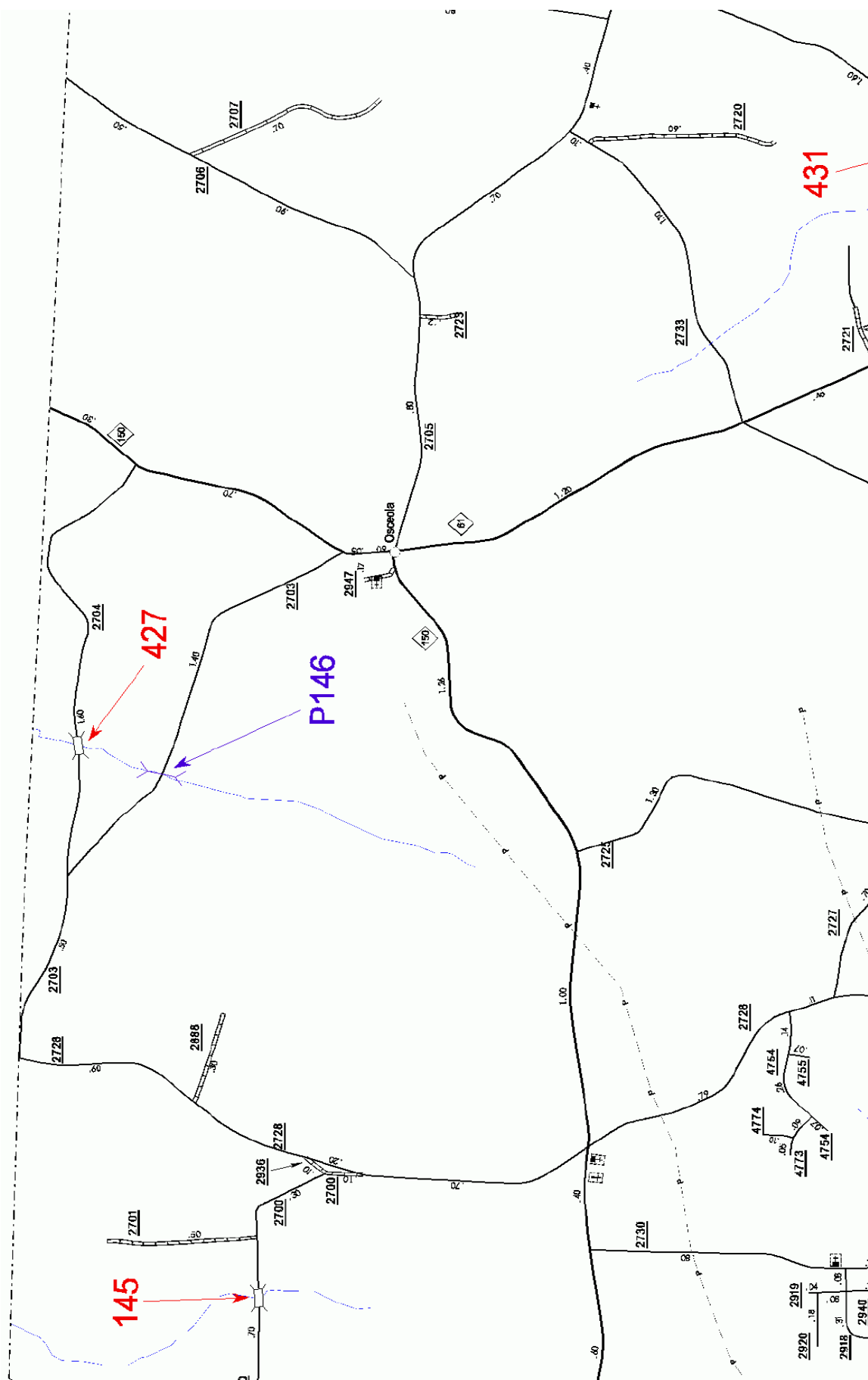
Man-days Estimated:

Date Surveyed:

Date Completed:

Personnel	Hours	Pay Period

Comments:





NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

CITY OF GREENSBORO
TEMPORARY REPAIRS

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Contract

COUNTY GUILFORD BRIDGE NUMBER 400427 INSPECTION CYCLE 0 YRS
ROUTE SR2704 ACROSS BRANCH OF HAW RIVER M.P. 0

0.3 MILES EAST OF JUNCTION WITH SR2703

LOCATION 0.3 MI. E. JCT.SR2703

SUPERSTRUCTURE TIMBER DECK ON TIMBER JOISTS

END & INT. BTS: TIMBER CAPS ON TIMBER PILES, TIMBER BULKHEADS

SUBSTRUCTURE END & INT.BTS:TIMBER CAPS ON TIMBER PILES,TIMBER BULKHEADS

1 @ 17.5, 1 @ 17FT, 1 @ 17.3FT

SPANS 1@17'9, 1@16'11, 1@17'8

LONGITUDE 79° 37' 39.06"

LATITUDE 36° 14' 31.87"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 06/22/2012

OPERATING RATING

PRESENT POSTING SV 15 TTST 23 SV 15 TTST 23

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT FOUR (4) DELINEATORS



WEST APPROACH LOOKING EAST

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: 07/24/2012

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	400427		SUFFICIENCY RATING =		51.01	
(8) STRUCTURE NUMBER(FEDERAL)		00000000810427		STATUS =	Not Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31027040					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(3) COUNTY CODE	81	(4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED -	ROSE CREEK			(104)HIGHWAY SYSTEM	Is not on NHS	0	
(7) FACILITY CARRIED	SR2704			(26) FUNCTIONAL CLASS -	Local	09	
(9) LOCATION	0.3 MI. E. JCT. SR2703			(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
(16)LAT	36° 14' 31.87"	(17)LONG	79° 37' 39.06"	(102)DIRECTION OF TRAFFIC -	2-way Traffic	2	
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -			
(99)BORDER BRIDGE STRUCTURE NO				(110)DESIGNATED NATIONAL NETWORK -	Not on the National Network	0	
				(20) TOLL	On Free Road	3	
				(31) MAINTAIN -	State Highway Agency	01	
				(22) OWNER -	State Highway Agency	01	
				(37) HISTORICAL SIGNIFICANCE -	Not Eligible	5	
STRUCTURE TYPE AND MATERIAL				CONDITION			
(43) STRUCTURE TYPE MAIN:	Wood or Timber			(58) DECK		7	
TYPE -	Stringer Multibeam or Girder	CODE	702	(59) SUPERSTRUCTURE		7	
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE		5	
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION		7	
(45) NUMBER OF SPANS IN MAIN UNIT			3	(62) CULVERTS		N	
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE -	8	CODE		LOAD RATING AND POSTING			
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(31) DESIGN LOAD	Unknown	0	
(A) TYPE OF WEARING SURFACE -		CODE		(63) OPERATING RATING METHOD -	Allowable Stress		
(B) TYPE OF MEMBRANE -		CODE		(64) OPERATING RATING -	HS-14	225	
(C) TYPE OF DECK PROTECTION -		CODE		(65) INVENTORY RATING METHOD -	Allowable Stress		
				(66) INVENTORY RATING -	HS-10	218	
				(70) BRIDGE POSTING -	Posting Required	0	
				(41) STRUCTURE OPEN, POSTED, OR CLOSED		P	
				DESCRIPTION -	Posted for Load		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT			1960	(67) STRUCTURAL EVALUATION		5	
(106)YEAR RECONSTRUCTED				(68) DECK GEOMETRY		4	
(42) TYPE OF SERVICE : ON -	Highway			(69) UNDERCLEARANCES,VERTI & HORIZ		N	
UNDER - Waterway		CODE	15	(71) WATERWAY ADEQUACY		7	
(28) LANES: ON STRUCTURE	2 UNDER STRUCTURE			(72) APPROACH ROADWAY ALIGNMENT		7	
(29) AVERAGE DAILY TRAFFIC			150	(36) TRAFFIC SAFETY FEATURES		0000	
(30) YEAR OF ADT	2000	(109) TRUCK ADT PCT	6%	(113)SCOUR CRITICAL BRIDGES		U	
(19) BYPASS OR DETOUR LENGTH			1 MI				
GEOMETRIC DATA				PROPOSED IMPROVEMENTS			
(48) LENGTH OF MAXIMUM SPAN			17 FT	(75) TYPE OF WORK -		CODE	
(49) STRUCTURE LENGTH			52 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(50)CURB OR SIDEWALK: LEFT	.4 FT RIGHT		.4 FT	(94) BRIDGE IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			21.3 FT	(95) ROADWAY IMPROVEMENT COST			
(52) DECK WIDTH OUT TO OUT			22.3 FT	(96) TOTAL PROJECT COST			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			19 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(33) BRIDGE MEDIAN -	No Median	CODE	0	(114)FUTURE ADT	300	(115) YEAR FUTURE ADT	2025
(34) SKEW	0°	(35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT	INSPECTIONS			
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			21.3 FT	(90) INSPECTION DATE		06/22/2012	
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT	(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
(54) MIN VERT UNDERCLEAR REF	Not a Highway or Railroad		0 FT	A) FRACTURE CRIT DETAIL -	NO	A)	
(55) MIN LAT UNDERCLEAR RT REF	Not a Highway or Railroad		000 FT	B) UNDERWATER INSP -	NO	B)	
(56) MIN LAT UNDERCLEAR LT REF -			000 FT	C) OTHER SPECIAL INSP	NO	C)	
				SCOUR			
NAVIGATION DATA							
(38) NAVIGATION CONTROL -	No Navigational Control	CODE	0				
(111)PIER PROTECTION -		CODE					
(39) NAVIGATION VERTICAL CLEARANCE			0				
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT				
(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT				

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 07/24/2012

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
GUILFORD	7	2	400427	52	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR2704	ROSE CREEK

LOCATED :	BRIDGE NAME :	CITY :
0.3 MI. E. JCT. SR2703		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	150 2000	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 DECK ON TIMBER JOISTS

SUBSTRUCTURE : END & INTERIOR BENTS:TIMBER CAPS ON TIMBER PILES, TIMBER BULKHEADS

SPANS : 1@17'9", 1@16'11", 1@17'8"

BEAMS OR GIRDERS : 15 LINES OF 6"X12" TIMBER JOISTS @ VARIOUS CENTERS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8" TIM,1" AWS		22.3 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
21.3 FT	22 FT	LT .4 FT RT .4 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	23	DATE	09/17/2008
HS-10	HS-14	Joist	SV 15				

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

UNDER ROUTES AND CLEARANCES

REMARKS :

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 400427 County: GUILFORD Date: 06/22/2012 By: MWC

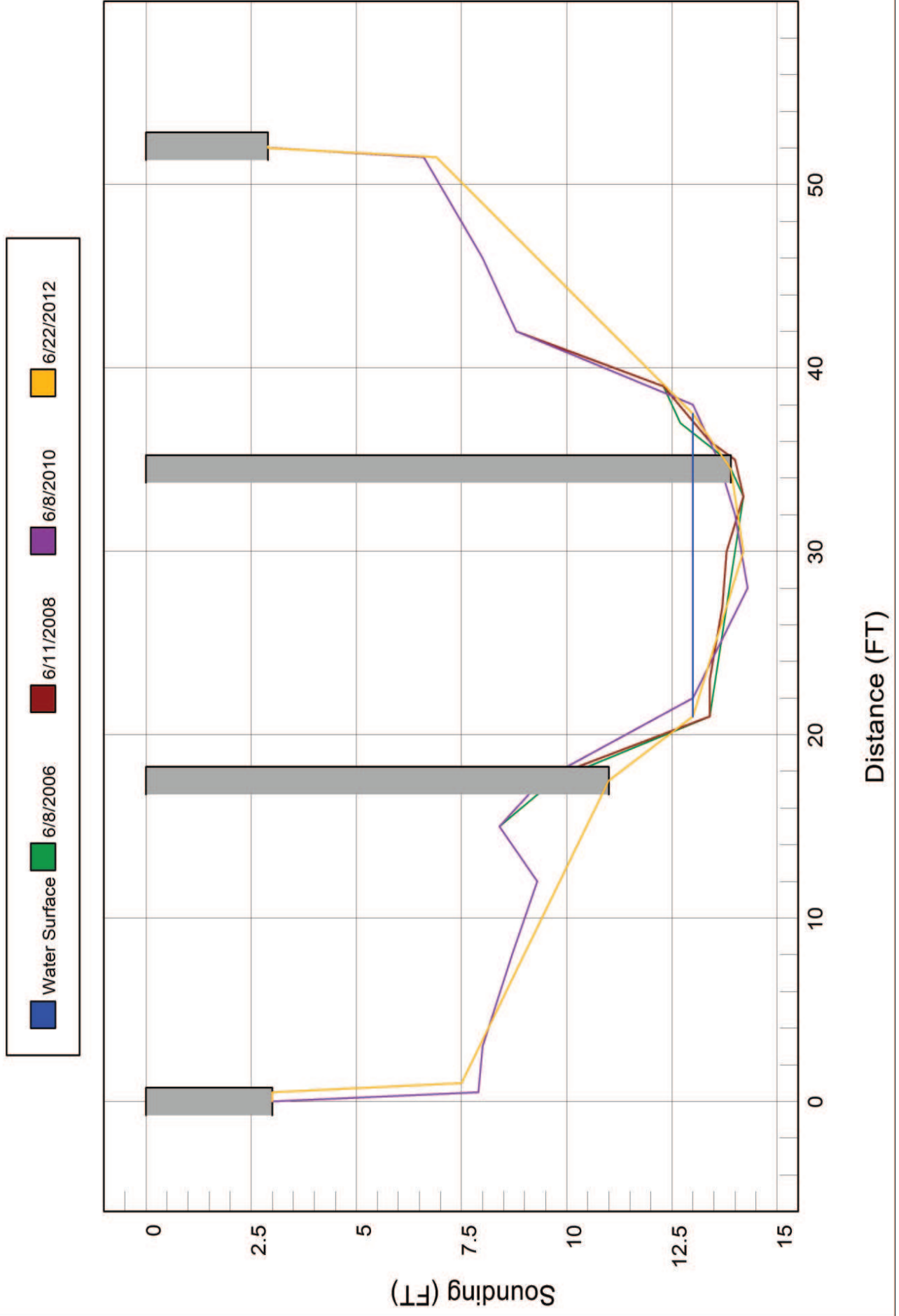
Record sounding from top of rail. Other location if needed: _____

Distance from Highwater Mark to top of rail: _____ Location of Highwater Mark: _____

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	3	FILL FACE END BENT 1			
0.5	3	TOP OF WINGWALL	0.5	7.2	END BENT 1
1	7.5	BOTTOM OF WINGWALL			
17.5	11	BENT 1	17.5	12.2	BENT 1
21	13	Water Surface/Water Edge (WSWE)			
30	14.2	CENTERLINE OF STREAMBED			
34.5	13.9	BENT 2	34.5	13.6	BENT 2
37.5	13	Water Surface/Water Edge (WSWE)			
51.5	6.9	BOTTOM OF WINGWALL	51.5	7.2	END BENT 2
52	2.9	TOP OF WINGWALL			
52.1	2.9	FILL FACE END BENT 2			

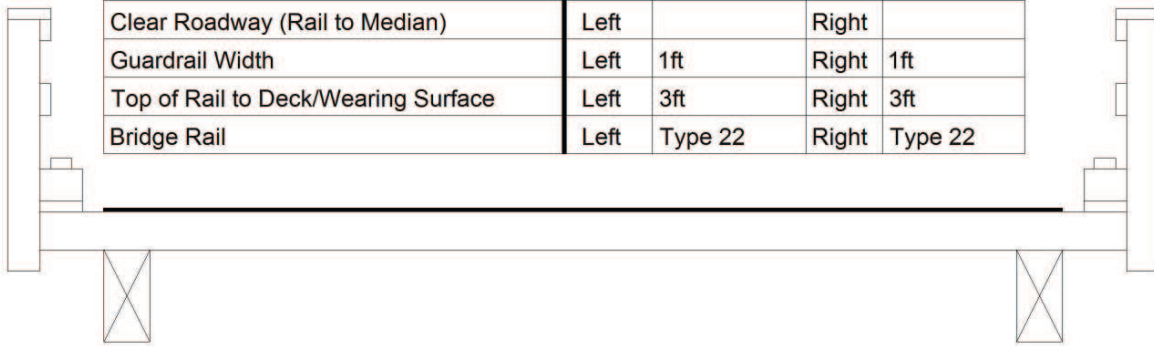
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

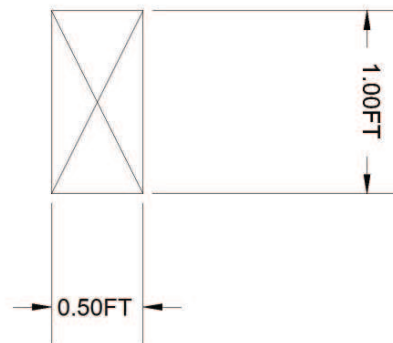
Deck Width/Out to Out	22.25ft	Between Rails			22ft
Clear Roadway	21.25ft	Wearing Surface			0.083ft
Median Width		Median Height			
Curb Height		Left	0.833ft	Right	0.833ft
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left		Right	
Guardrail Width		Left	1ft	Right	1ft
Top of Rail to Deck/Wearing Surface		Left	3ft	Right	3ft
Bridge Rail		Left	Type 22	Right	Type 22



Measurements for Span #	1	spans 2 & 3 similiar	
Deck Thickness	0.312	Left Overhang	0.66
Top of Rail to Bottom of Beam	4.375	Right Overhang	0.66

see joist sheet for centers

all joists



Title

data

Description

data

Bridge No: 400427

Drawn By: BWR

Date: 07/11/2012

File Name: S0058001365



WEST APPROACH LOOKING EAST



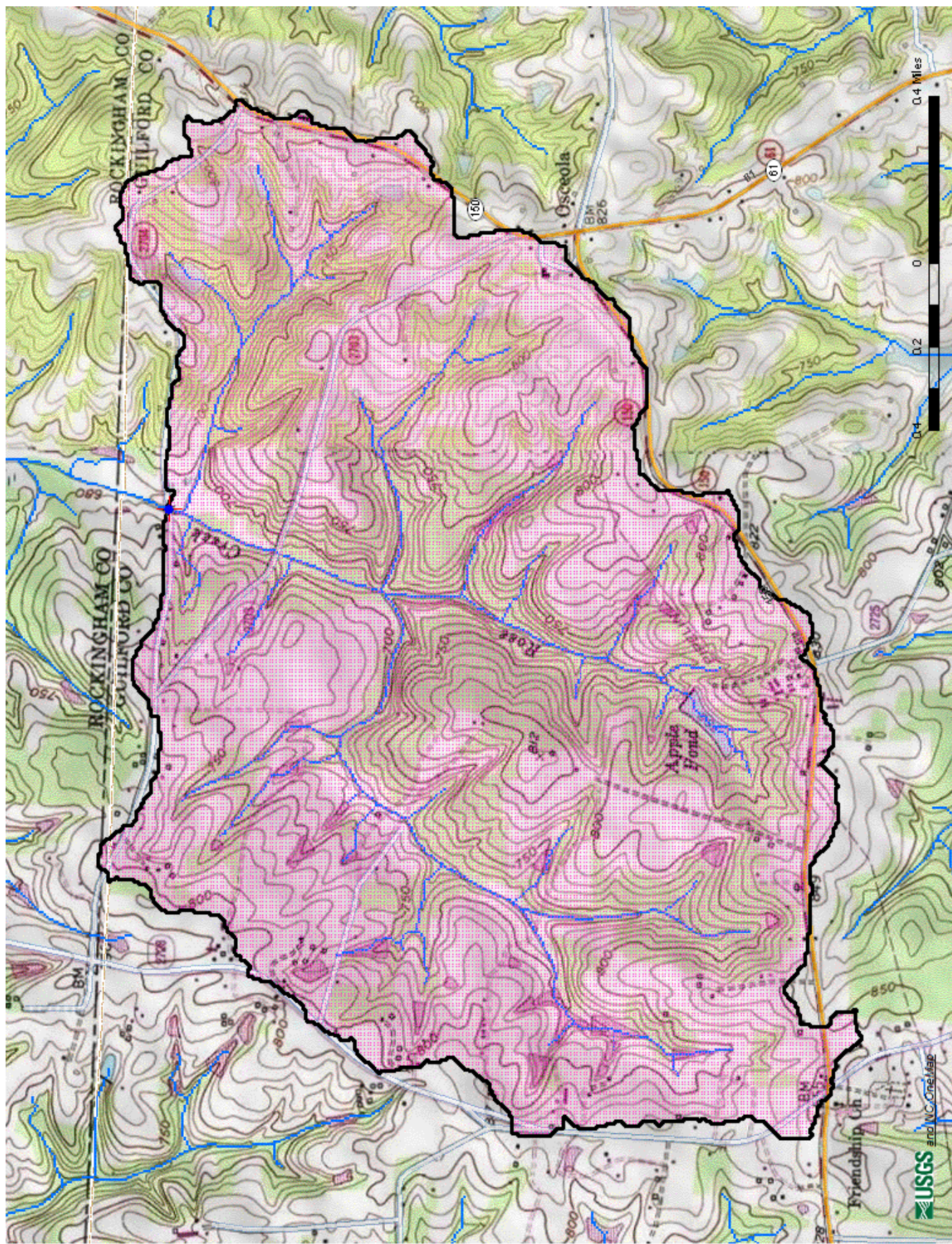
WEST APPROACH POSTING SIGN, GENERAL VIEW, EAST APPROACH SIMILAR



LOOKING UPSTREAM



LOOKING DOWNSTREAM





Basin Characteristics Report

Date: Thu May 23 2013 12:28:37 Mountain Daylight Time

NAD27 Latitude: 36.2421 (36 14 31)

NAD27 Longitude: -79.6277 (-79 37 40)

NAD83 Latitude: 36.2422 (36 14 32)

NAD83 Longitude: -79.6274 (-79 37 39)

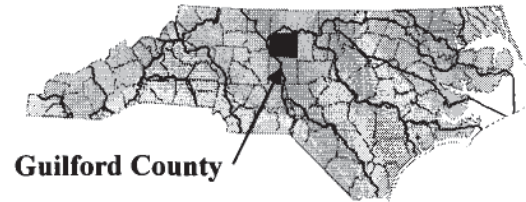
Parameter	Value
Area in square miles	3.03
Minimum basin elevation, in feet	679
Maximum basin elevation, in feet	853
Average basin elevation, in feet	773
Elevation at outlet, in feet	682
Perimeter in miles	10.4
Mean basin slope, based on slope percent grid	7.7

FLOOD INSURANCE STUDY

A Report of Flood Hazards in

GUILFORD COUNTY, NORTH CAROLINA

AND INCORPORATED AREAS



Community Name	Community Number	River Basin
Greensboro, City of	375351	Cape Fear
Guilford County (Unincorporated Areas)	370111	Cape Fear/ Roanoke/Yadkin
High Point, City of	370113	Cape Fear/Yadkin
Jamestown, Town of	370114	Cape Fear
Oak Ridge, Town of	370596	Cape Fear
Pleasant Garden, Town of	370618	Cape Fear
Sedalia, Town of	370614	Cape Fear
Stokesdale, Town of	370489	Cape Fear/Roanoke
Summerfield, Town of	370622	Cape Fear



VOLUME 1 OF 5

Revised: March 16, 2009

**Federal Emergency Management Agency
State of North Carolina**

**Flood Insurance Study Number
37081CV001B**

www.fema.gov and www.ncfloodmaps.com



Section 4.0 – Area Studied

Table 8—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Richland Creek Tributary 15	The confluence with Richland Creek (Stream No. 30)	Approximately 100 feet upstream of South Elm Street	City of High Point
Richland Creek Tributary 17	The confluence with Richland Creek (Stream No. 30)	Approximately 550 feet upstream of Lincoln Drive	City of High Point
Rock Creek Tributary (Stream No. 81)	Approximately 100 feet upstream of Sedalia Road	Approximately 1,900 feet upstream of Sedalia Road	Town of Sedalia, Guilford County (Unincorporated Areas)
Rock Creek Tributary 3	The confluence with Rock Creek (Stream No. 80)	Approximately 1.0 mile upstream of the confluence with Rock Creek (Stream No. 80)	Guilford County (Unincorporated Areas)
Rose Creek	The Rockingham/Guilford County boundary	Approximately 0.7 mile upstream of the Rockingham/Guilford County boundary	Guilford County (Unincorporated Areas)
Smith Branch (Stream No. 63)	The confluence with Reedy Fork (Stream No. 51)	Approximately 1.5 miles upstream of Turner Smith Road (SR 2733)	Guilford County (Unincorporated Areas)
South Buffalo Creek (Stream No. 67)	The downstream side of Guilford College Road	Approximately 1,500 feet upstream of Guilford College Road	City of Greensboro
South Buffalo Creek Tributary 1	The confluence with South Buffalo Creek (Stream No. 67)	Approximately 300 feet upstream of Pennoak Road	City of Greensboro
South Buffalo Creek Tributary 2	The confluence with South Buffalo Creek (Stream No. 67)	Approximately 1,000 feet upstream of Bernau Avenue	City of Greensboro
South Buffalo Creek Tributary 3	The confluence with South Buffalo Creek (Stream No. 67)	Approximately 1,500 feet upstream of Oak Street	City of Greensboro
South Buffalo Creek Tributary 4	The confluence with South Buffalo Creek (Stream No. 67)	Approximately 50 feet downstream of Bingham Street	City of Greensboro, Guilford County (Unincorporated Areas)
South Buffalo Creek Tributary 5	The confluence with South Buffalo Creek (Stream No. 67)	Approximately 1,100 feet upstream of South English Street	City of Greensboro
South Buffalo Creek Tributary 6	The confluence with South Buffalo Creek (Stream No. 67)	Approximately 50 feet downstream of East Florida Street	City of Greensboro, Guilford County (Unincorporated Areas)
South Buffalo Creek Tributary 7	The confluence with South Buffalo Creek (Stream No. 67)	Approximately 900 feet upstream of Tuscaloosa Street	City of Greensboro
South Buffalo Creek Tributary 8	The confluence with South Buffalo Creek (Stream No. 67)	Approximately 800 feet upstream of South Benbow Road	City of Greensboro

Section 5.0 – Engineering Methods

Table 11—Summary of Discharges

Flooding Source	Location	Drainage Area (square miles)	Discharges (cfs)				
			10% Annual Chance	2% Annual Chance	1% Annual Chance	1% Future Annual Chance	0.2% Annual Chance
Richland Creek	At mouth	0.2	*	*	386	*	*
Tributary 9							
Richland Creek Tributary 10	At mouth	0.4	*	*	479	*	*
	Approximately 300 feet downstream of Model Farm Road	0.3	*	*	371	*	*
Richland Creek Tributary 11	At mouth	0.1	*	*	208	*	*
Richland Creek Tributary 12	At mouth	0.5	*	*	590	*	*
Richland Creek Tributary 14	At mouth	0.2	*	*	456	*	*
Richland Creek Tributary 15	At mouth	0.3	*	*	491	*	*
Richland Creek Tributary 17	At mouth	0.3	*	*	583	*	*
Rock Creek (Stream No. 80)	At mouth	15.0	*	*	5,600	*	*
	Just upstream of confluence of Rock Creek Tributary (Stream No. 81)	10.0	1,790	3,300	4,400	*	7,600
	At Bethel Church Road	7.0	1,450	2,650	3,400	*	6,000
	At Carmon Road	4.1	1,050	1,800	2,300	*	3,900
	Just upstream of Railroad	3.7	980	1,980	2,600	*	4,730
	At Colony Road	1.3	540	1,090	1,430	*	2,640
Rock Creek Tributary (Stream No. 81)	At mouth	4.5	1,110	2,240	2,940	*	5,350
	At Sedalia Road	1.9	660	1,340	1,760	*	3,220
	Just upstream of Sedalia Road	1.9	*	*	1,650	*	*
Rock Creek Tributary 3	At mouth	2.2	*	*	1,390	*	*
Rose Creek	At Guilford/Rockingham County boundary	3.2	*	*	1,537	*	*
	Approximately 85 feet upstream of Poley Road	2.6	*	*	1,350	*	*
Ryan Creek	At mouth	2.1	2,891	3,812	4,387	*	6,424
	Approximately 80 feet upstream of confluence of South Buffalo Creek Tributary 10	2.0	2,597	3,500	3,971	4,163	5,616
	Approximately 240 feet downstream of confluence of South Buffalo Creek Tributary 11	1.7	1,510	2,324	2,921	3,030	4,002
	Approximately 140 feet upstream of confluence of South Buffalo Creek Tributary 11	1.6	1,431	2,194	2,645	2,738	3,585
	Approximately 175 feet downstream of Rehobeth Church Road	1.0	722	1,075	1,224	1,268	1,594

Section 5.0 – Engineering Methods

Table 13—Roughness Coefficients

Stream	Channel "n"	Overbank "n" ¹
Reedy Fork Tributary 9	0.050	0.110-0.150
Reedy Fork Tributary 10	0.035-0.048	0.120-0.150
Registers Creek (Stream No. 38)	0.040-0.060	0.120
Rich Fork	0.035-0.060	0.055-0.085
Rich Fork Tributary 1 (Stream No. 92)	0.045-0.060	0.080-0.160
Rich Fork Tributary 1A	0.045-0.060	0.080-0.160
Rich Fork Tributary 1B (Stream No. 93)	0.045-0.060	0.080-0.160
Rich Fork Tributary 1B1	0.050	0.080-0.150
Rich Fork Tributary 2	0.050	0.080-0.150
Rich Fork Tributary 2A	0.048	0.080-0.130
Richland Creek (Stream No. 30)	0.048-0.060	0.110-0.140
Richland Creek (Stream No. 59)	0.035-0.060	0.035-0.180
Richland Creek Tributary 1	0.035-0.060	0.016-0.018
Richland Creek Tributary 2	0.050	0.150
Richland Creek Tributary 3	0.036-0.050	0.090-0.150
Richland Creek Tributary 4	0.042-0.050	0.110-0.150
Richland Creek Tributary 5	0.048	0.130
Richland Creek Tributary 6	0.049	0.130
Richland Creek Tributary 9	0.047	0.130-0.140
Richland Creek Tributary 10	0.043	0.120-0.140
Richland Creek Tributary 11	0.050	0.130
Richland Creek Tributary 12	0.048-0.052	0.130-0.160
Richland Creek Tributary 14	0.049	0.130
Richland Creek Tributary 15	0.045	0.140
Richland Creek Tributary 17	0.051	0.100-0.140
Rock Creek (Stream No. 80)	0.060	0.120
Rock Creek Tributary (Stream No. 81)	0.050-0.060	0.120-0.155
Rock Creek Tributary 3	0.040	0.130
Rose Creek	0.041	0.100-0.150
Ryan Creek	0.017-0.060	0.035-0.230
Sandy Ridge Tributary	0.045-0.060	0.080-0.160
Smith Branch (Stream No. 63)	0.035-0.050	0.135-0.150
South Buffalo Creek (Stream No. 67)	0.035-0.060	0.100-0.230
South Buffalo Creek Tributary 1	0.050-0.055	0.016-0.180
South Buffalo Creek Tributary 2	0.050-0.055	0.016-0.230
South Buffalo Creek Tributary 3	0.040-0.055	0.016-0.230
South Buffalo Creek Tributary 4	0.040-0.060	0.016-0.230
South Buffalo Creek Tributary 5	0.030-0.070	0.016-0.230
South Buffalo Creek Tributary 6	0.030-0.045	0.016-0.230
South Buffalo Creek Tributary 7	0.035-0.070	0.016-0.230
South Buffalo Creek Tributary 8	0.045-0.060	0.016-0.230
South Buffalo Creek Tributary 9	0.050-0.060	0.016-0.150
South Buffalo Creek Tributary 10	0.030-0.065	0.016-0.150
South Buffalo Creek Tributary 11	0.035-0.065	0.016-0.150
South Buffalo Creek Tributary A	0.020-0.060	0.016-0.230
South Buffalo Creek Tributary B	0.045-0.060	0.016-0.180
South Little Alamance Creek (Stream No. 71)	0.060	0.120
South Prong Stinking Quarter Creek	0.035-0.050	0.145-0.150
South Prong Stinking Quarter Creek Tributary 1	0.050	0.140
Squirrel Creek (Stream No. 61)	0.060	0.120
Squirrel Creek Tributary (Stream No. 62)	0.060	0.120
Stinking Quarter Creek	0.050	0.145

Table 14—Limited Detailed Flood Hazard Data

Cross Section¹	Stream Station²	Flood Discharge (cfs)	1% Annual Chance Water-Surface Elevation (feet NAVD 88)	Non-Encroachment Width³ (feet)
ROCK CREEK TRIBUTARY (STREAM NO. 81)				
113	11,260	1,650	639.3	20 / 32
114	11,408	1,650	640.6	56 / 54
117	11,716	1,650	641.1	65 / 47
121	12,077	1,650	641.9	69 / 16
126	12,579	1,650	643.9	111 / 37
129	12,903	1,650	645.6	17 / 71
132	13,237	1,650	648.3	34 / 30
ROCK CREEK TRIBUTARY 3				
001	103	1,390	632.0 ⁴	14 / 16
006	603	1,390	632.0 ⁴	11 / 29
010	1,031	1,390	632.0 ⁴	30 / 14
017	1,697	1,390	633.1	15 / 55
021	2,116	1,390	634.2	52 / 9
026	2,627	1,390	637.9	35 / 55
030	2,962	1,390	639.2	76 / 11
034	3,390	1,390	641.3	24 / 32
038	3,777	1,390	643.4	46 / 9
043	4,263	1,390	646.2	91 / 17
047	4,698	1,390	647.6	13 / 30
051	5,059	1,390	650.3	16 / 30
054	5,378	1,390	652.0	47 / 9
ROSE CREEK				
117	11,675	1,537	678.7	33 / 307
122	12,244	1,537	679.9	10 / 250
128	12,785	1,537	680.7	39 / 39
128	12,828	1,537	681.1	39 / 39
136	13,603	1,350	685.0	44 / 99
142	14,155	1,350	688.3	75 / 76
143	14,298	1,350	688.5	27 / 27
144	14,380	1,350	690.6	27 / 27
150	14,958	1,350	690.9	80 / 37
156	15,599	1,350	694.0	55 / 154
SMITH BRANCH (STREAM NO. 63)				
008	849	1,421	674.0 ⁴	24 / 9
014	1,405	1,421	674.0 ⁴	64 / 41
017	1,709	1,421	674.8	31 / 15
020	2,001	1,421	676.9	44 / 35
026	2,643	1,421	678.9	12 / 189
031	3,079	1,421	680.4	12 / 52
034	3,430	1,421	682.7	30 / 41
035	3,510	1,421	687.1	30 / 41
039	3,945	1,421	687.4	51 / 45
044	4,422	1,421	689.2	90 / 89
048	4,825	1,421	690.6	28 / 17
054	5,377	1,043	695.8	42 / 54
058	5,810	1,043	698.9	14 / 75
064	6,392	1,043	705.5	24 / 18
069	6,884	1,043	707.8	15 / 150
075	7,501	1,043	710.2	50 / 12

