

MOA OK.

G000 CANDIDATE.

PREDESIGN-PRESURVEY REPORT

County Alexander

Project#

TIP#

Let Date

WBS# 17BP.12.R.25

Bridge# 010053

Road# SR 1422

Name White Plains Rd

Stream Greasy Creek

Type Of Request: POC Force Account TIP NCMA

Date 8/1/2011 Name Sungate Design Assigned To

Checked By WHW

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

Study By Scour Section No

Flood Zone Yes Detail Study Limited Date 12/18/07 Panel# 3860

B.M. Info N/A

Quad Map Hiddenite Drainage Area 4.1 Sq Miles From USGS Quad Map

Q25 1260 cfs Q50 1540 cfs Q100 1790 cfs Method Rural Regression Eqs

EXISTING BRIDGE INFORMATION

Location 0.1 miles south of junction with SR 1419

Average Daily Traffic 2300

Length 76'-0" Bed- To Crown 17' Water Depth 1'

Type Structure Precast prestressed conc channels on ppc caps on timber piles

Type Spans 1 @ 25'-6", 1 @ 25'-0", 1 @ 25'-6"

Upstream Structure N/A

Location

Bed- To Crown Prior Survey

Downstream Structure 1 @ 36'-1", 1 @ 50'-1", 1 @ 36'-1"

Location SR 1496

Bed- To Crown 19' Prior Survey

SCS Watershed

ENVIRONMENTAL

Trout Stream No Anadromous Fish No Primary Nursery Area No

High Quality Waters Yes Nutrient Sensitive Waters No

Near Water Supply Intake No CAMA County No

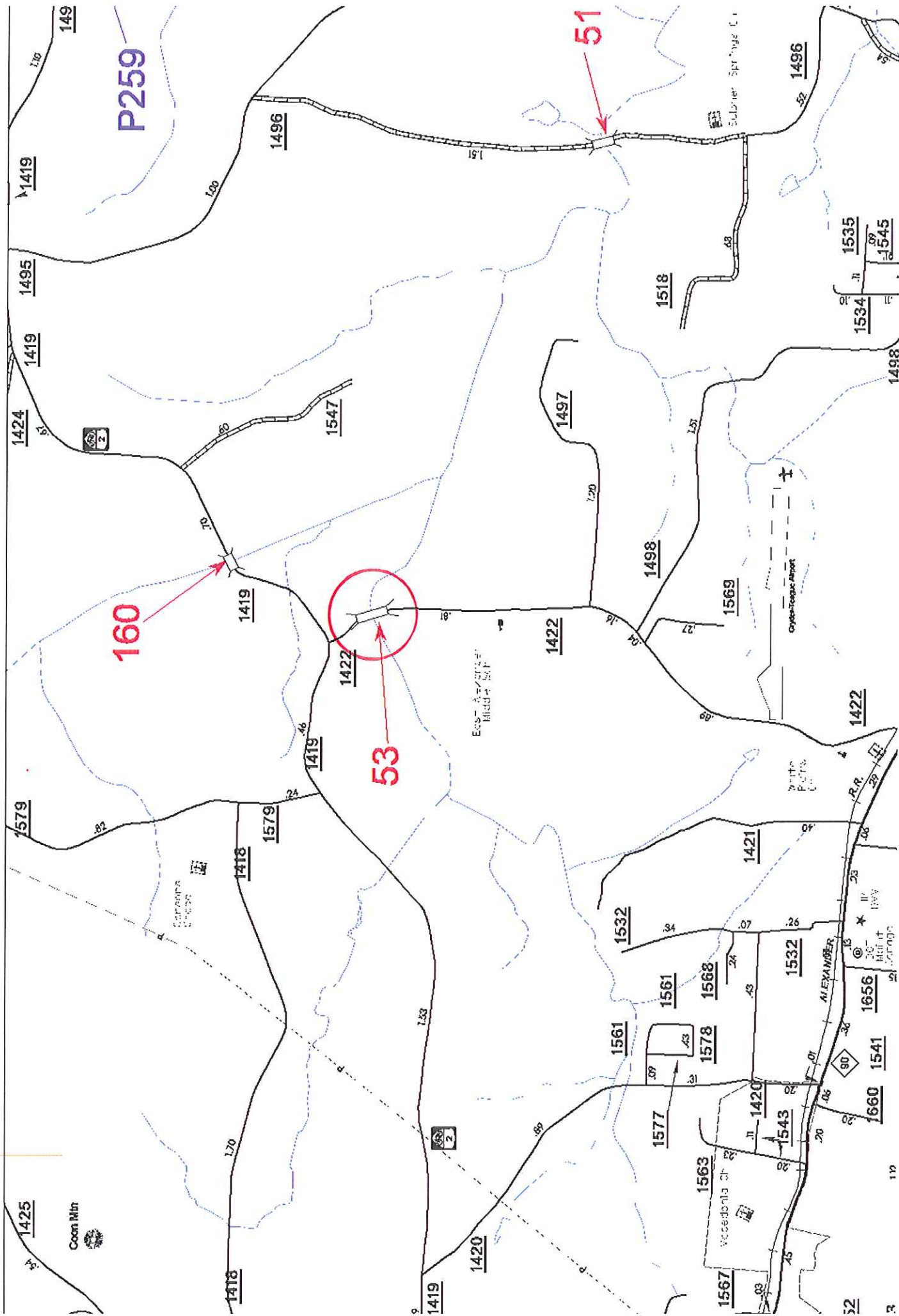
Stream Classification WS-II, HQW

DENR River Basin Info. Yadkin

State Stormwater Permit Required

Estimated Min. Bridge Length = 95'

$$76' + 3(6') = 94' - 95'$$





NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION TEMPORARY REPAIRS

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY ALEXANDER BRIDGE NUMBER 010053 INSPECTION CYCLE 2 YRS
ROUTE SR1422 ACROSS GREASY CREEK M.P. 0

LOCATION 0.1 MI. S. JCT. SR1419

SUPERSTRUCTURE PRECAST PRESTRESSED CONCRETE CHANNELS

SUBSTRUCTURE END & INTERIOR BENTS:PPC CAPS ON TIMBER PILES

SPANS 1@25'6, 1@25'0, 1@25'6

LONGITUDE 81° 7' 13.4"

LATITUDE 35° 56' 8.5"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 11/03/2010

OPERATING RATING

PRESENT POSTING SV 26 TTST 31

PROPOSED POSTING

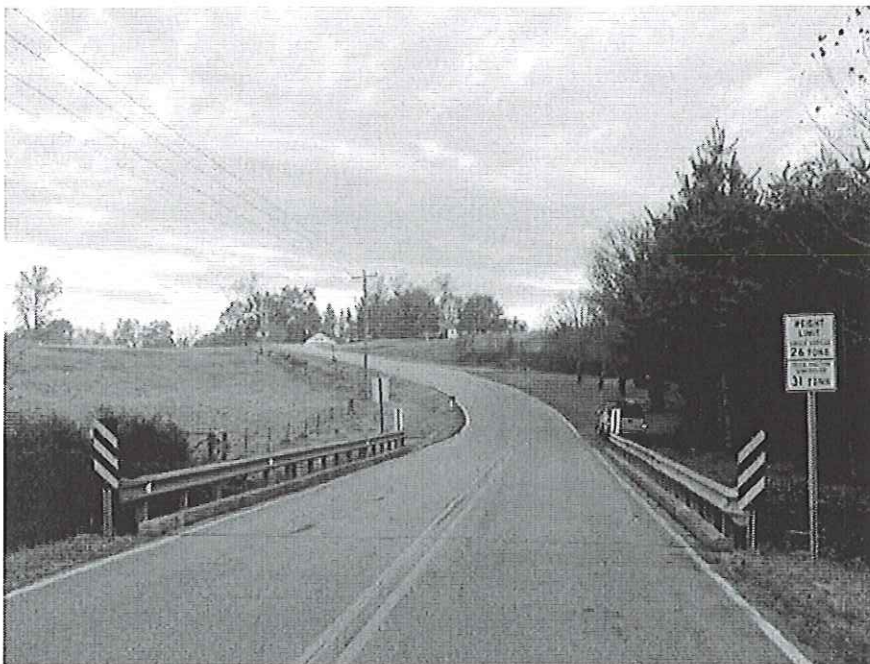
COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT 4 DELINEATORS



SOUTH TO 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: 12/15/2010

COUNTY : ALEXANDER		DIV : 12		DIST : 2		STRUCTURE NUMBER : 010053		LENGTH : 76 FEET	
ROUTE CARRIED : SR1422				FEATURE INTERSECTED : GREASY CREEK					
LOCATED : 0.1 MI. S. JCT. SR1419				BRIDGE NAME :				CITY :	
FUNC. CLASS : 09		SYST.ON : NFA		SYST.UNDER : NFA		ADT & YR : 2300 2008		RAIL TYPE : LT 233 RT 233	
BUILT : 1975		BY : BMU		PROJ : 6.782074		FED.AID PROJ :		DESIGN LOAD : H 10	
REHAB :		BY :		PROJ :		ALIGNMENT : TAN		SKEW : 90	
								LANES : ON 2 UNDER	
NAVIGATION : VC 0.0 FT HC 0.0 FT				HT. CRN. TO BED : 17 FT				WATER DEPTH : 1 FT	
SUPERSTRUCTURE : PRECAST PRESTRESSED CONCRETE CHANNELS									
SUBSTRUCTURE : END & INTERIOR BENTS:PPC CAPS ON TIMBER PILES									
SPANS : 1@25'6, 1@25'0, 1@25'6									
BEAMS OR GIRDERS : 10 SECTIONS OF PRECAST PRESTRESSED CONCRETE CHANNELS									
FLOOR : PPCCHNL,3. 75 WS		ENCROACHMENT :				DECK (OUT TO OUT) : 25.5 FT			
CLEAR ROADWAY : 24.0 FT		BETWEEN RAILS : 24.9 FT				SIDEWALK OR CURB : LT 0.5 FT RT 0.5 FT			
VERT.CL.OVER : 99 FT 99 IN		VERT.CL.UNDER : 00 FT 00 IN				HOR.CL.UNDER : 0.0 FT			
INV.RTG. : HS-7		OPE.RTG. : HS-19		CONTR.MEMBER : pile		POSTED : SV 26 TTST 31		DATE 09/25/2008	
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: 010053 County: ALEXANDER Date: 11/03/2010 By: MF

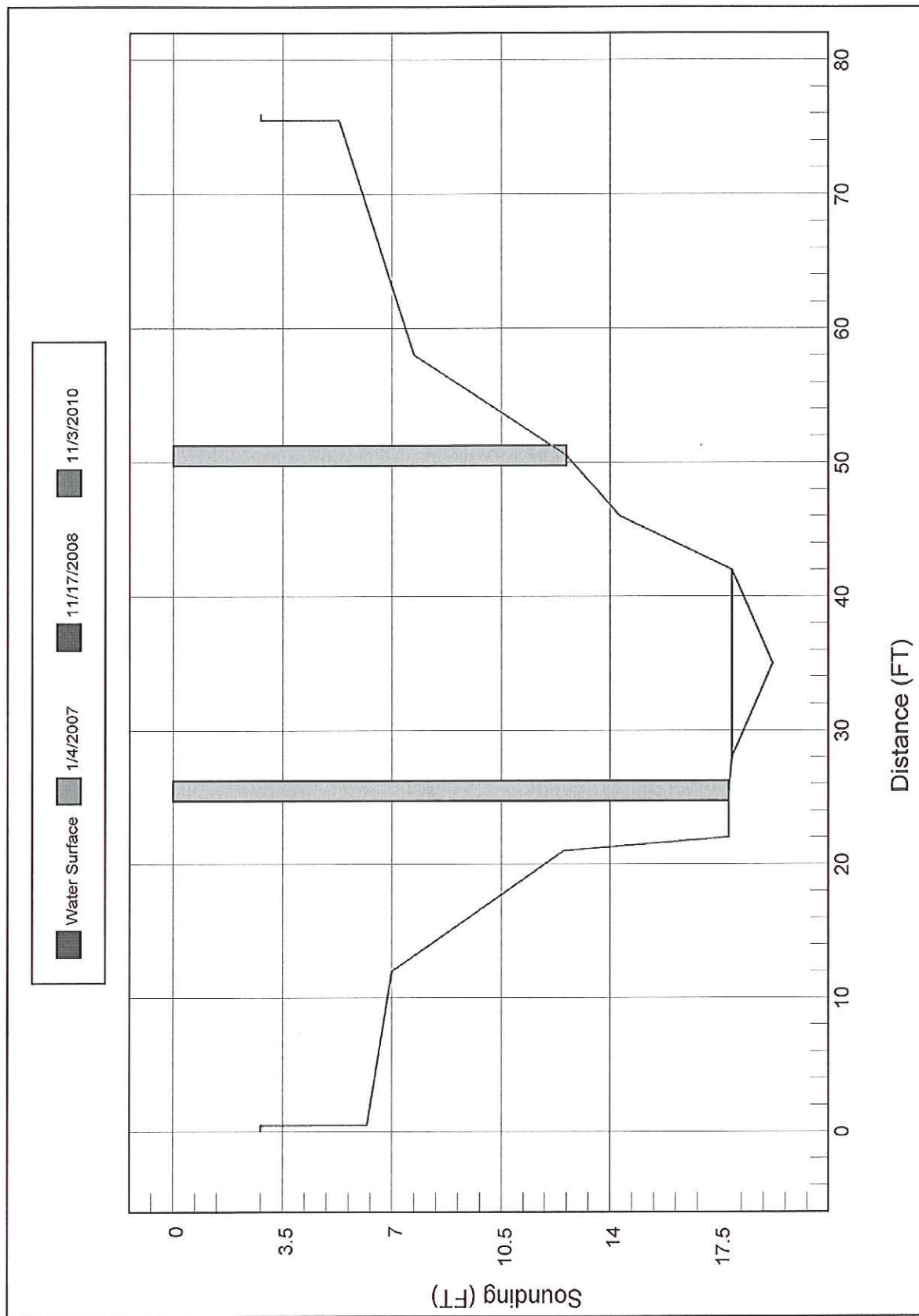
Record sounding from top of rail. Other location if needed: _____

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	2.8	TOP OF FILLFACE			
0.48	2.8	TOP OF FILLFACE			
0.49	4.4	TOP OF CAP			
0.5	6.2	FACE OF ABUT	0.5	6.5	FACE OF ABUT
12	7	SLOPE			
21	12.5	SLOPE			
22	17.8	SLOPE			
25.5	17.8	PIER 1	25.5	18	PIER 1
28	17.9	WSWE			
35	19.2	BED FLOW EAST			
42	17.9	WSWE			
46	14.3	SLOPE			
50.5	12.6	PIER 2	50.5	13.3	PIER 2
58	7.7	SLOPE			
75.5	5.3	FACE OF ABUT	75.5	5.5	FACE OF ABUT
75.51	4.4	TOP OF CAP			
75.52	2.8	TOP OF FILLFACE			
76	2.8	TOP OF FILLFACE			

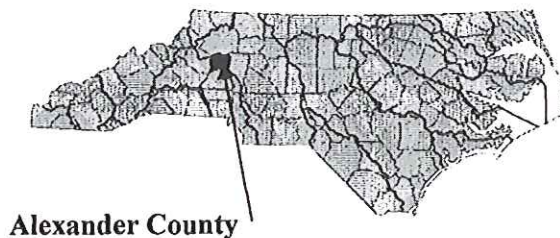
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



FLOOD INSURANCE STUDY

A Report of Flood Hazards in
**ALEXANDER COUNTY,
NORTH CAROLINA**
AND INCORPORATED AREAS



Community Name	Community Number	River Basin
Alexander County (Unincorporated Areas)	370398	Catawba/Yadkin
Taylorsville, Town of	370479	Catawba/Yadkin



December 18, 2007

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

**Flood Insurance Study Number
37003CV000A**

www.fema.gov and www.ncfloodmaps.com



Section 4.0 – Area Studied

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

Source	Riverine Sources		Affected Communities
	From	To	
Greasy Creek	The confluence with Wallace Creek	Approximately 0.4 mile upstream of Carson Chapel Road (SR 1418)	Alexander County (Unincorporated Areas)
Greasy Creek Tributary 1	The confluence with Greasy Creek	Approximately 0.4 mile upstream of Hammer Road	Alexander County (Unincorporated Areas) Taylorsville, Town of
Guys Branch	The confluence with Elk Shoals Creek	Approximately 0.5 mile upstream of the confluence with Elk Shoals Creek	Alexander County (Unincorporated Areas)
Isaac Creek	The confluence with Upper Little River	Approximately 0.7 mile upstream of SR 1143	Alexander County (Unincorporated Areas)
Island Creek	The confluence with Catawba River	Approximately 0.4 mile upstream of SR 1621	Alexander County (Unincorporated Areas)
Jumping Run	The confluence with Rock Creek	Approximately 500 feet upstream of NC 127	Alexander County (Unincorporated Areas)
Lambert Creek	The confluence with Lower Little River	Approximately 0.8 mile upstream of SR 1307	Alexander County (Unincorporated Areas)
Lambert Creek Tributary 1	The confluence with Lambert Creek	Approximately 800 feet upstream of SR 1307	Alexander County (Unincorporated Areas)
Lower Little River	The confluence with Catawba River	Approximately 0.9 mile upstream of SR 1332	Alexander County (Unincorporated Areas)
Lower Little River Tributary 1	The confluence with Lower Little River	Approximately 1.9 miles upstream of the confluence with Lower Little River	Alexander County (Unincorporated Areas)
Lower Little River Tributary 2	The confluence with Lower Little River	Approximately 1,600 feet upstream of SR 1124	Alexander County (Unincorporated Areas)
Lower Little River Tributary 2A	The confluence with Lower Little River Tributary 2	Approximately 1,600 feet upstream of confluence with Lower Little River Tributary 2	Alexander County (Unincorporated Areas)
Lower Little River Tributary 3	The confluence with Lower Little River	Approximately 1.4 miles upstream of SR 1110	Alexander County (Unincorporated Areas)

Section 5.0 – Engineering Methods

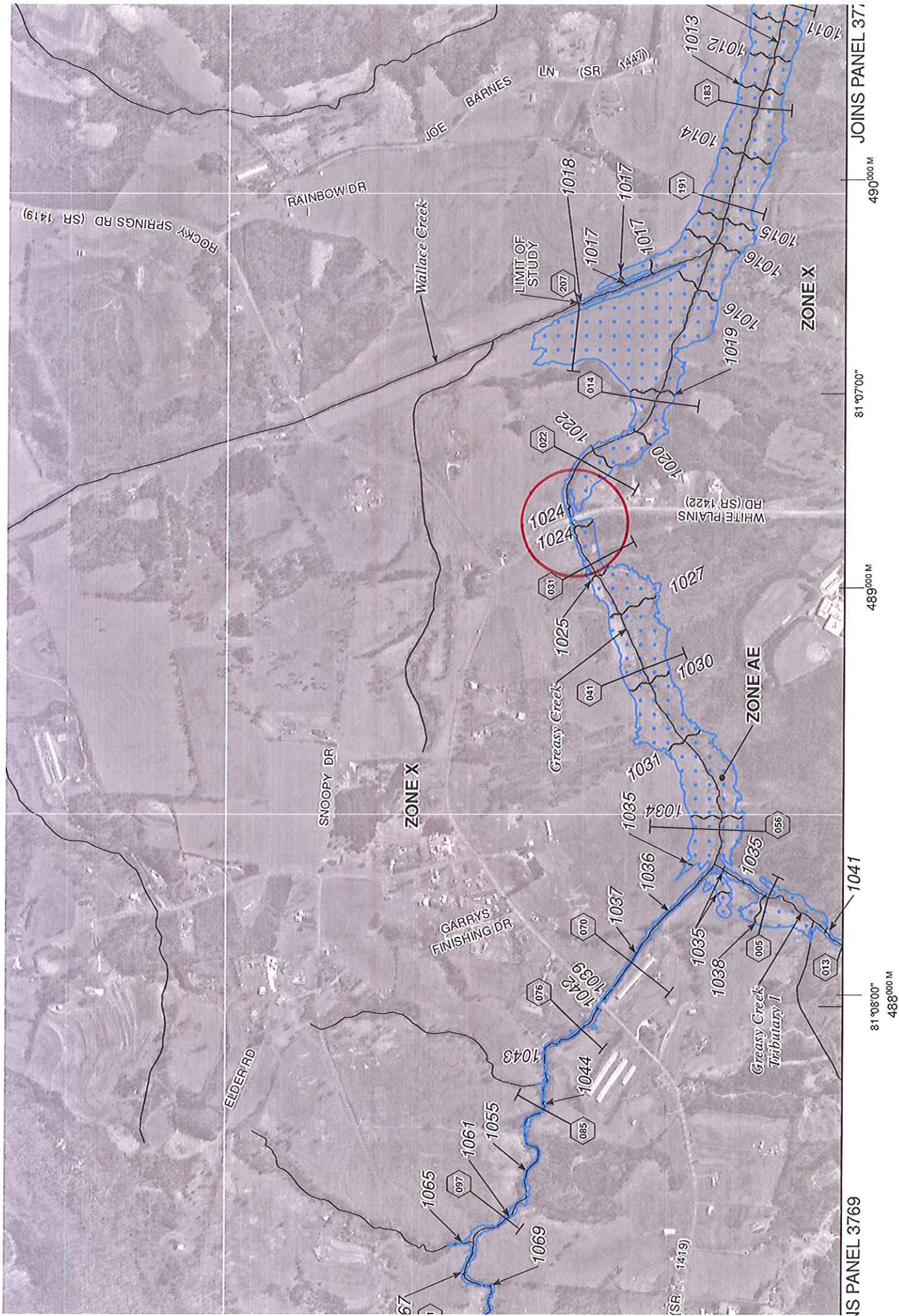
Table 7—Summary of Discharges

Flooding Source	Location	Drainage Area (square miles)	Discharges (cfs)			
			10% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Grassy Creek (continued)	Approximately 1,900 feet downstream of SR 1331	9.7	*	*	3,720	*
	Approximately 1,050 feet downstream of SR 1338	8.3	*	*	3,380	*
	Just upstream of SR 1344	7.1	*	*	2,950	*
	Approximately 0.4 mile upstream of SR 1344	6.1	*	*	2,120	*
Grassy Creek Tributary 1	Approximately 0.7 mile upstream of confluence with Grassy Creek	1.2	*	*	1,020	*
Grassy Creek Tributary 2	Approximately 1,800 feet upstream of NC 16	2.2	*	*	1,480	*
	Approximately 0.7 mile upstream of NC 16	2.0	*	*	1,350	*
Greasy Creek	At the confluence with Wallace Creek	4.2	*	*	1,826	*
	Approximately 0.1 mile upstream of White Plains Road (SR 1422)	3.9	*	*	1,751	*
	Approximately 10 feet upstream of confluence of Greasy Creek Tributary 1	1.2	*	*	849	*
	Approximately 0.6 mile upstream of Rocky Springs Road (SR 1419)	0.8	*	*	664	*
	Approximately 0.3 mile downstream of Carson Chapel Road (1418)	0.5	*	*	483	*
Greasy Creek Tributary 1	At the confluence with Greasy Creek	2.3	*	*	1,262	*
	Approximately 0.5 mile upstream of the confluence with Greasy Creek	1.8	*	*	1,067	*
	Approximately 0.3 mile downstream of Lewittes Road (SR 1420)	1.6	*	*	999	*

Section 5.0 – Engineering Methods

Table 9—Limited Detailed Flood Hazard Data

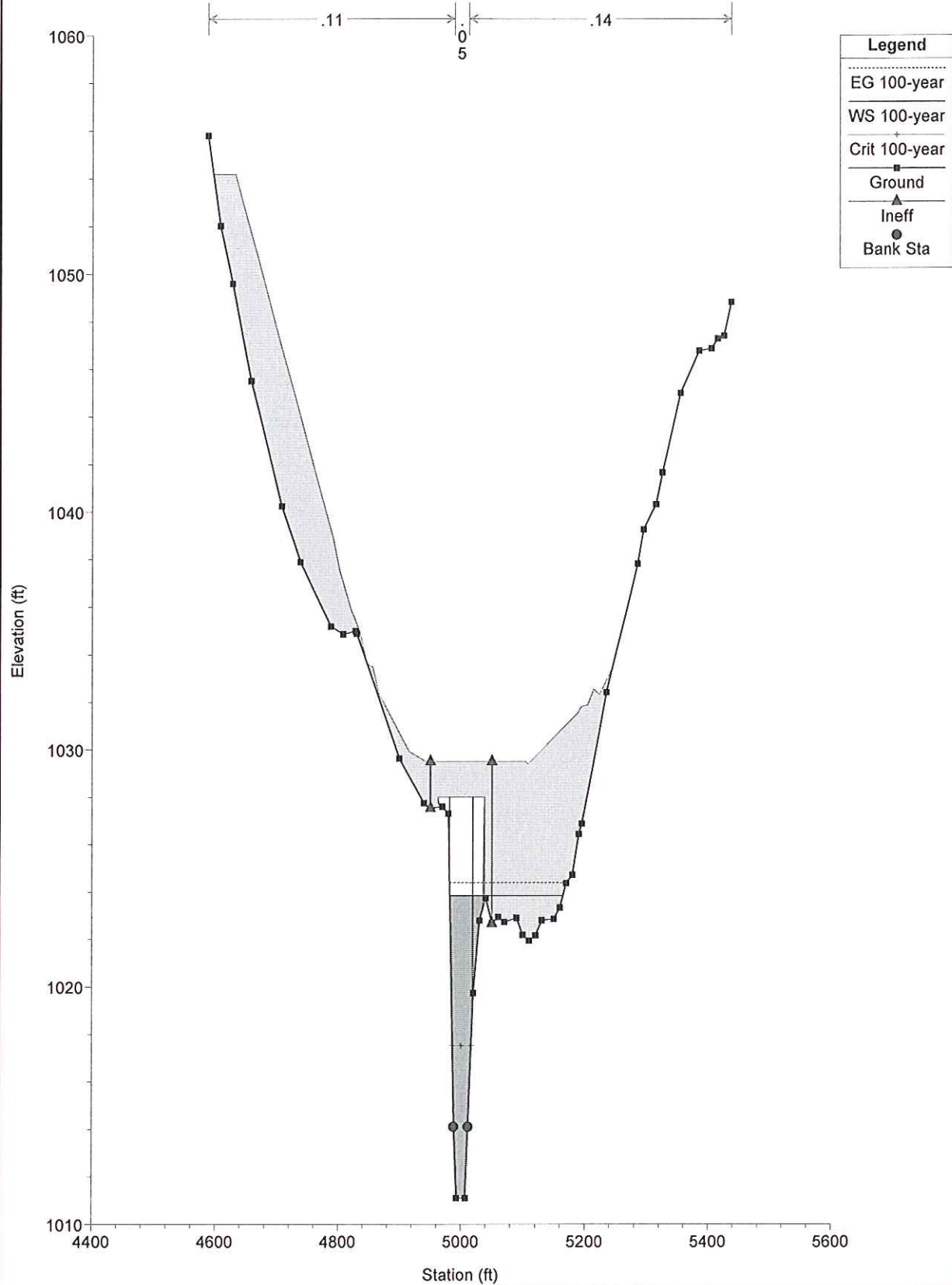
Cross Section ¹	Stream Station ²	Flood Discharge (cfs)	1% Annual Chance Water-Surface Elevation (feet NAVD 88)	Non-Encroachment Width (feet) ³
GRASSY CREEK				
192	19,247	2,950	1,171.9	34 / 34
198	19,806	2,950	1,173.5	35 / 35
205	20,501	2,950	1,175.3	59 / 118
208	20,810	2,950	1,176.2	29 / 29
209	20,896	2,950	1,178.0	23 / 23
212	21,150	2,950	1,179.4	29 / 31
219	21,904	2,950	1,181.8	22 / 72
230	22,981	2,120	1,185.4	37 / 95
GRASSY CREEK TRIBUTARY 1				
007	726	1,020	1,098.9	19 / 16
011	1,125	1,020	1,101.7	18 / 17
015	1,477	1,020	1,103.9	11 / 11
017	1,728	1,020	1,107.0	26 / 34
022	2,178	1,020	1,110.7	38 / 22
025	2,513	1,020	1,112.7	15 / 14
028	2,769	1,020	1,116.1	14 / 45
031	3,056	1,020	1,118.1	19 / 55
033	3,254	1,020	1,119.6	20 / 90
036	3,602	1,020	1,122.2	14 / 107
GRASSY CREEK TRIBUTARY 2				
002	191	1,480	1,182.8 ⁴	20 / 22
013	1,326	1,480	1,185.6	21 / 64
019	1,883	1,480	1,188.7	29 / 29
020	2,014	1,480	1,189.0	29 / 29
027	2,670	1,480	1,192.4	35 / 35
033	3,312	1,480	1,195.7	32 / 32
038	3,842	1,480	1,200.0	34 / 34
047	4,675	1,350	1,205.1	29 / 29
055	5,460	1,350	1,211.1	28 / 23
GREASY CREEK				
005	500	1,826	1,015.7 ⁴	33 / 17
014	1,389	1,826	1,019.4	90 / 10
022	2,197	1,826	1,022.2	19 / 132
031	3,120	1,826	1,024.5	10 / 13
036	3,641	1,751	1,027.6	8 / 11
041	4,084	1,751	1,029.9	73 / 122
048	4,769	1,751	1,030.7	82 / 11
056	5,605	1,751	1,034.2	77 / 13
064	6,405	849	1,035.9	14 / 10
070	6,952	849	1,037.2	12 / 9
076	7,637	849	1,042.0	7 / 7

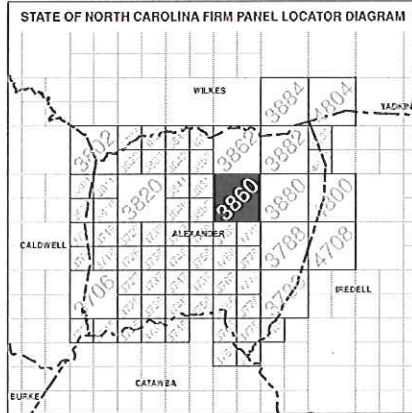


NOTES TO USERS

Greasy Creek Limited Detail Study Plan: Floodway Run 1/28/2008

White Plains Rd [Greasy--1] TOR Structure ID: LDS_GC_01 Approxim





DATUM INFORMATION

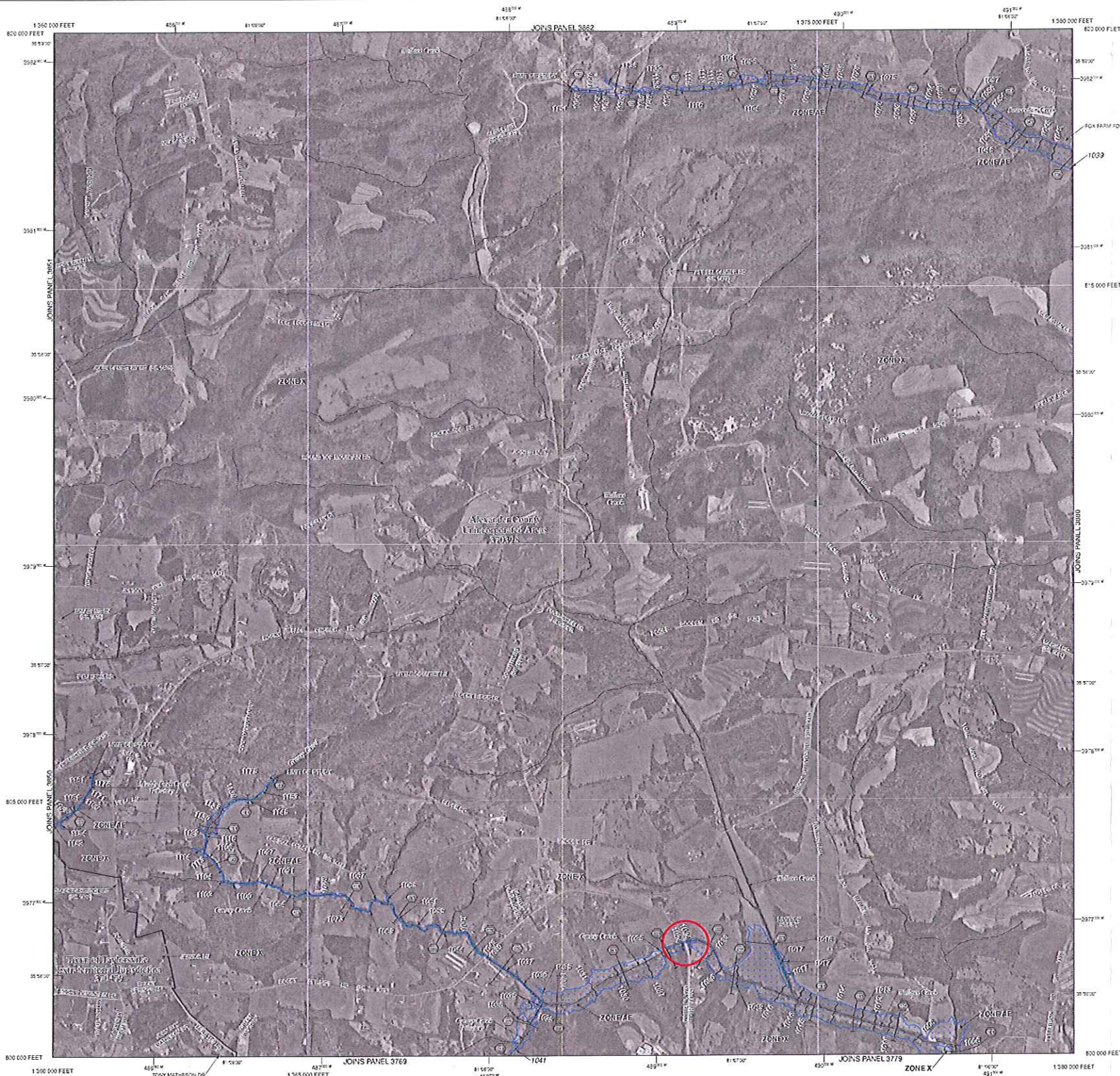
The projection used in the preparation of this map was the North Carolina State Plane (NAD83). The horizontal datum was the North American Datum of 1983. GRS80 ellipsoid. Differences in datum, ellipsoid, projection, or Universal Transverse Mercator zones used in the production of FIRMS for adjacent jurisdictions may result in slight positional differences in map features across jurisdictional boundaries. These differences do not affect the accuracy of this FIRM. All coordinates on this map are in U.S. Survey Feet, where 1 U.S. Survey Foot = 1200.0037 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 offset between NAVD 88 and the National Geodetic Vertical Datum of 1929 (NGVD 29) 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 FIRM. The offsets for each county shown on this FIRM panel are shown in the vertical datum offset table below. Where a county boundary and a flood boundary with unrevisted NGVD 29 flood elevations are coincident, an individual offset has been calculated and applied during the creation of this statewide 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 bench marks shown on this map, please contact the North Carolina Geodetic Survey at the address shown below. You may also contact the Information Services Branch of the National Geodetic Survey at (301) 713-2242, or visit its website at <http://www.ngs.noaa.gov>.

North Carolina Geodetic Survey
121 West Jones Street
Raleigh, NC 27601
(919) 733-5838
<http://www.ncgs.state.nc.us>

County	Average Vertical Datum Offset Table
County	Vertical Datum Offset (ft)
Example: NC 288 = NGVD 29 + 0.61	

All streams listed in the Flood Hazard Data Table below were studied by detailed methods using field survey. Other flood hazard data shown on this map may have been derived using either a coastal analysis or limited detailed riverine analysis. More information on the flooding sources studied by these analyses is contained in the Flood Insurance Study report.



NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or Floodway boundaries have been determined, users are encouraged to consult the Flood Profile, Floodway Data, and/or Flood Hazard Data and/or Summary of Significant Flood Hazard Areas (SFFHA) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in this report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Boundaries of regulatory floodways shown on the FIRM for flooding sources studied by detailed methods were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data for flooding sources studied by detailed methods as well as non-engineered floodways for flooding sources studied by limited detailed methods are provided in the Flood Insurance Study (FIS) report for this jurisdiction. The FIS report also provides instructions for determining a floodway using non-engineered methods for flooding sources studied by limited detailed methods.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 4.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

FEMA recommends that a Flood Insurance Policy be purchased for structures in areas where levees are shown as providing protection from the 1% annual chance flood. Flooding is not covered by standard property insurance policies nor is it covered by Homeowners insurance. Flooders insurance, Condominium Owners insurance, or Commercial Property insurance. Contact your insurance agent and local floodplain administrator for further information. Visit <http://www.flood.gov/floodplain> for more information on levees and the risk of flooding in areas shown as being protected by levees.

Base map information and geospatial data used to develop the FIRM was obtained from various organizations, including the participating local community, state and federal agencies, and other sources. The primary base for this FIRM is aerial imagery acquired by Alexander County. The time period of collection for the Alexander imagery is 2005. Information and geospatial data supplied by the local community(ies) that met FEMA base map requirements were provided the preferred source for development of the base map. See geospatial metadata for the associated digital FIRM for additional information about base map preparation.

Base map features shown on this map, such as corporate limits, are based on the most up-to-date data available at the time of publication. Changes in the corporate limits may have occurred since this map was published. Map users should consult the appropriate community official or website to verify current conditions of jurisdictional boundaries and base map features. This map may contain roads that were not considered in the hydraulic analysis of areas where no new hydraulic model was created during the production of this statewide FIRM.

This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that are transferred from the previous FIRM may have been adjusted to conform to these more stream channel configurations. As a result, the Flood Profile and Floodway Data tables in the Flood Insurance Study report (which contain authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

If you have questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-Map (1-877-364-6271) or visit the FEMA website at <http://www.fema.gov>.

An accompanying Flood Insurance Study report, Letter of Map Revision (LOMR) or Letter of Map Amendment (LOMA) involving portions of this panel, and digital versions of the FIRM may be available. Visit the North Carolina Floodplain Mapping Program website at <http://www.ncfloodmaps.com> or contact the FEMA Map Service Center at 1-800-368-5848 for information on all related products associated with this FIRM. The FEMA Map Service Center may also be reached by Fax at 1-800-285-5822 and its website at <http://www.mfcm.fema.gov>.

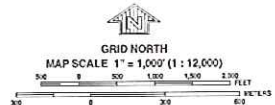
MAP REPOSITORY
Refer to listing of Map Repositories on Map Index or visit <http://www.ncfloodmaps.com>
EFFECTIVE DATE OF FLOOD INSURANCE RATE MAP PANEL
DECEMBER 18, 2007
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to statewide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.
To determine if flood insurance is available in the community, contact your insurance agent, the North Carolina Division of Emergency Management, or the National Flood Insurance Program at the following phone numbers or website:

NC Division of Emergency Management
(919) 715-6000 <http://www.ncem.state.nc.us>
National Flood Insurance Program
(800) 458-5620 <http://www.fema.gov>

LEGEND

- SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT**
The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.
- ZONE A**
No Base Flood Elevation determined.
- ZONE AE**
Base Flood Elevation determined.
- ZONE AH**
Flood depths of 1 to 3 feet (usually areas of ponding). Base Flood Elevation determined.
- ZONE AO**
Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR**
Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently destroyed. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99**
Areas to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevation determined.
- ZONE VE**
Coastal flood zone with velocity hazard (wave action). Base Flood Elevation determined.
- FLOODWAY AREAS IN ZONE AE**
The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.
- OTHER FLOOD AREAS**
ZONE X
Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
- OTHER AREAS**
ZONE X
Areas determined to be outside the 0.2% annual chance floodplains.
- ZONE D**
Areas in which flood hazards are undetermined, but possible.
- COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**
- OTHERWISE PROTECTED AREAS (OPAs)**
CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
- 1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of 0.2% the Base Flood Elevation; flood depths or flood velocities
Base Flood Elevation line and value; elevation in feet
Base Flood Elevation value where elevation within zone; elevation in feet
* Referenced to the North American Vertical Datum of 1988
Cross section line
Traverse line
Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
2000-meter Universal Transverse Mercator grid zone 17
2000-meter grid values North Carolina State Plane coordinate system (NCPSPS 2000, State Plane NAD 83 feet)
North Carolina Geodetic Survey bench mark (for more information visit <http://www.ncgs.state.nc.us>)
National Geodetic Survey bench mark (for more information visit <http://www.ngs.noaa.gov>)
NGS-58 GPS 2.5 on Vertical Control Mark or Construction-Installed NCNAP Bench Mark (for more information visit <http://www.ncnnap.state.nc.us>)
River mile



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 3860J

FIRM

FLOOD INSURANCE RATE MAP

NORTH CAROLINA

PANEL 3860

(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

COUNTY

ALEXANDER COUNTY

TOWNSHIP

14105VILLE TOWNSHIP

COMMUNITY

37028

37019

37018

37017

37016

37015

37014

37013

37012

37011

37010

37009

37008

37007

37006

37005

37004

37003

37002

37001

37000

36999

36998

36997

36996

36995

36994

36993

36992

36991

36990

36989

36988

36987

36986

36985

36984

36983

36982

36981

36980

36979

36978

36977

36976

36975

36974

36973

36972

36971

36970

36969

36968

36967

36966

36965

36964

36963

36962

36961

36960

36959

36958

36957

36956

36955

36954

36953

36952

36951

36950

36949

36948

36947

36946

36945

36944

36943

36942

36941

36940

36939

36938

36937

36936

36935

36934

36933

36932

36931

36930

36929

36928

36927

36926

36925

36924

36923

36922

36921

36920

36919

36918

36917

36916

36915

36914

36913

36912

36911

36910

36909

36908

36907

36906

36905

36904

36903

36902

36901

36900

36899

36898

36897

36896

36895

36894

36893

36892

36891

36890

36889

36888

36887

36886

36885

36884

36883

36882

36881

36880

36879

36878

36877

36876

36875

36874

36873

36872

36871

36870

36869

36868

36867

36866

36865

36864

36863

36862

36861

36860

36859

36858

36857

36856

36855

36854

36853

36852

36851

36850

36849

36848

36847

36846

36845

36844

36843

36842

36841

36840

36839

36838

36837

36836

36835

36834

36833

36832

36831

36830

36829

36828

36827

36826

36825

36824

36823

36822

36821

36820

36819

36818

36817

36816

36815

36814

36813

36812

36811

36810

36809

36808

36807

36806

36805

36804

36803

36802

36801

36800

36799

36798

36797

36796

36795

36794

36793

36792

36791

36790

36789

36788

36787

36786

36785

36784

36783

36782

36781

36780

36779

36778

36777

36776

36775

36774

36773

36772

36771

36770

36769

36768

36767

36766

36765

36764

36763

36762

36761

36760

36759

36758

36757

36756

36755

36754

36753

36752

36751

36750

36749

36748

36747

36746

36745

36744

36743

36742

36741

36740

36739

36738

36737

36736

36735

36734

36733

36732

36731

36730

36729

36728

36727

36726

36725

36724

36723

36722

36721

36720

36719

36718

36717

36716

36715

36714

36713

36712

36711

36710

36709

36708

36707

36706

36705

36704

36703

36702

36701

36700

36699

36698

36697

36696

36695

36694

36693

36692

36691

36690

36689

36688

36687

36686

36685

36684

36683

36682

36681

36680

36679

36678

36677

36676

36675

36674

36673

36672

36671

36670

36669

36668

36667

36666

36665

36664

36663

36662

36661

36660

36659

36658

36657

36656

36655

36654

36653

36652

36651

36650

36649

36648

36647

36646

36645

36644

36643

36642

36641

36640

36639

36638

36637

36636

36635

36634

36633

36632

36631

36630

36629

36628

36627

36626

36625

36624

36623

36622

36621

36620

36619

36618

36617

36616

36615

36614

36613

36612

36611

36610

36609

36608

36607

36606

36605

36604

36603

36602

36601

36600

36599

36598

36597

36596

36595

36594

36593

36592

36591

36590

36589

36588

36587

36586

36585

36584

36583

36582

36581

36580

36579

36578

36577

36576

36575

36574

36573

36572

36571

36570

36569

36568

36567

36566

36565

36564

36563

36562

36561

36560

36559

36558

36557

36556

36555

36554

36553

36552

36551

36550

36549

36548

36547

36546

36545

36544

36543

36542

36541

36540

36539

36538

36537

36536

36535

36534

36533

36532

36531

36530

36529

36528

36527

36526

36525

36524

36523

36522

36521

36520

36519

36518

36517

36516

36515

36514

36513

36512

36511

36510

36509

36508

36507

36506

36505

36504

36503

36502

36501

36500

36499

36498

36497

36496

36495

36494

36493

36492

36491

36490

36489

36488

36487

36486

36485

36484

36483

36482

36481

36480

36479

36478

36477

36476

36475

36474

36473

36472

36471

36470

36469

36468

36467

36466

36465

36464

36463

36462

36461

36460

36459

36458

36457

36456

36455

36454

36453

36452

36451

36450

36449

36448

36447

36446

36445

36444

36443

36442

36441

36440

36439

36438

36437

36436

36435

36434

36433

36432

36431

36430

36429

36428

36427

36426

36425

36424

36423

36422

36421

36420

36419

36418

36417

36416

36415

36414

36413

36412

36411

36410

36409

36408

36407

36406

36405

36404

36403

36402

36401

36400

36399

36398

36397

36396

36395

36394

36393

36392

36391

36390

36389

36388

36387

36386

36385

36384

36383

36382

36381

36380

36379

36378

36377

36376

36375

36374

36373

36372

36371

36370

36369

36368

36367

36366

36365

36364

36363

36362

36361

36360

36359

36358

36357

36356

36355

36354

36353

36352

36351

36350

36349

36348

36347

36346

36345

36344

36343

36342

36341

36340

36339

36338

36337

36336

36335

36334

36333

36332

36331

36330

36329

36328

36327

36326

36325

36324

36323

36322

36321

36320

36319

36318

36317

36316

36315

36314

36313

36312

36311

36310

36309

36308

36307

36306

36305

36304

36303

36302

36301

36300

36299

36298

36297

36296

36295

36294

36293

36292

36291

36290

36289

36288

36287

36286

36285

36284

36283

36282

36281

36280

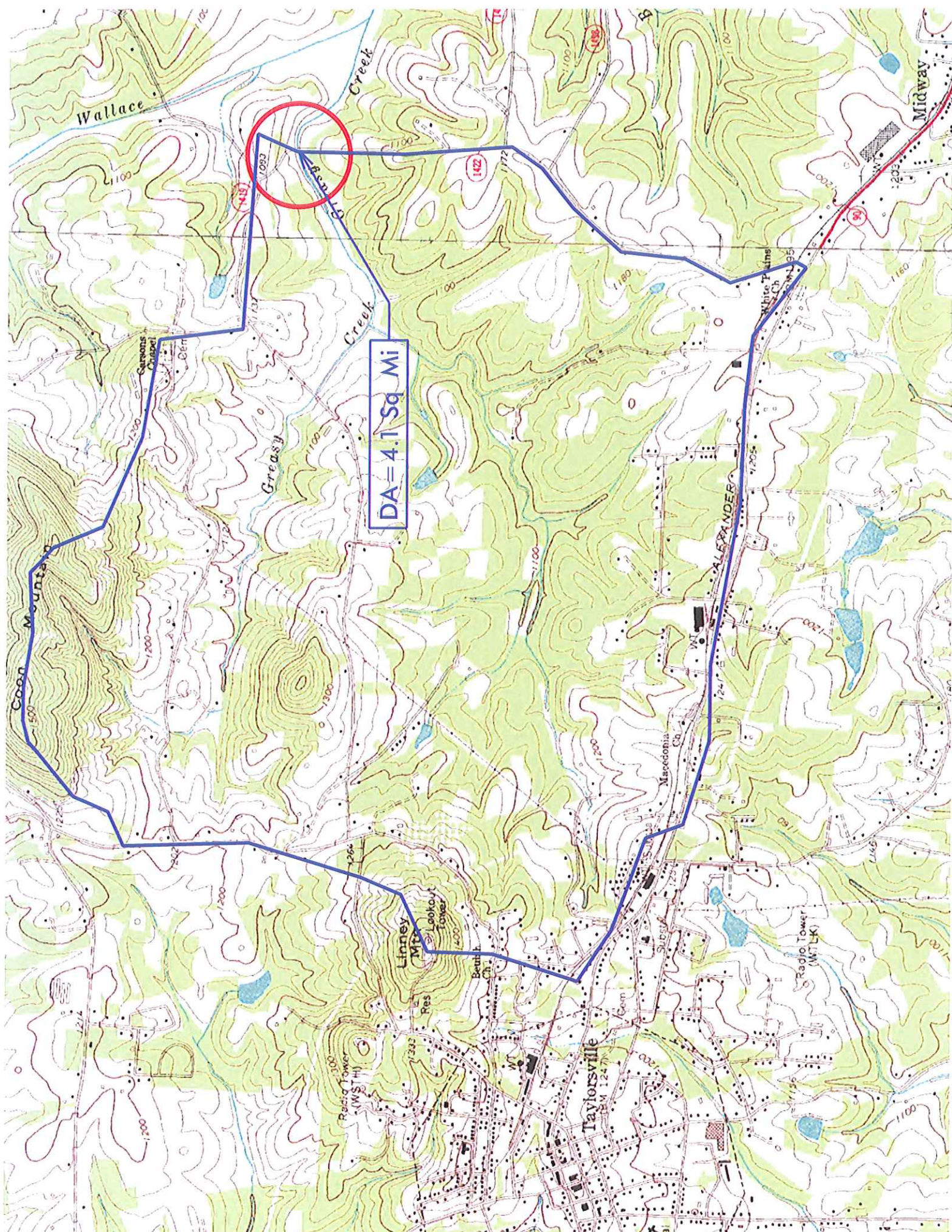
36279

36278

36277

36276

36275



DA = 4.1 Sq. Mi

Linney Mt. Lookout Tower

Radio Tower (WTLK)

Taylorsville

ALEXANDER

Greasy Creek

Creek

Wallace

Midway