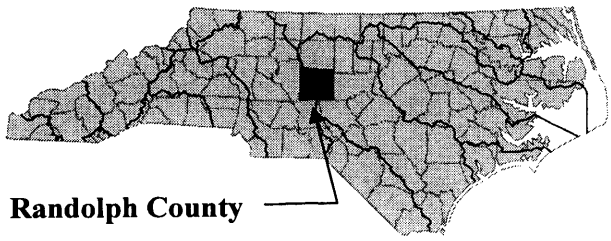
FLOOD INSURANCE STUDY

A Report of Flood Hazards in

RANDOLPH COUNTY, NORTH CAROLINA

AND INCORPORATED AREAS



Community Name	Community Number	River Basin
Archdale, City of	370273	Cape Fear/Yadkin
Asheboro, City of	370196	Cape Fear/Yadkin
Franklinville, Town of	370197	Cape Fear
Liberty, Town of	370582	Cape Fear
Ramseur, Town of	370198	Cape Fear
Randleman, City of	370199	Cape Fear/Yadkin
Randolph County (Unincorporated Areas)	370195	Cape Fear/Yadkin
Seagrove, Town of	370613	Cape Fear/Yadkin
Trinity, City of	370625	Cape Fear/Yadkin

NORTH CAROLINA
Cooperating Technical State
FEMA'S COOPERATING TECHNICAL PARTNER

VOLUME 1 OF 4

January 2, 2008

Federal Emergency Management Agency
State of North Carolina

Flood Insurance Study Number
37151CV001A

www.fema.gov and www.ncfloodmaps.com

FOREWORD

This countywide Flood Insurance Study (FIS) Report was produced through a unique cooperative partnership between the State of North Carolina and the Federal Emergency Management Agency (FEMA). The State of North Carolina has implemented a long-term approach to floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map floodplain areas at the state level. As a part of this effort, the State of North Carolina has joined with FEMA in a Cooperating Technical State (CTS) agreement to produce and maintain this FIS Report and the accompanying digital Flood Insurance Rate Map (FIRM) for North Carolina.

NOTICE TO FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

Part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current FIS components.

The following is a list of the publication dates of this Countywide FIS Report starting with the initial Report accompanying the North Carolina Statewide FIRM:

January 2, 2008

This FIS has been produced as part of the North Carolina Floodplain Mapping Program. Randolph County, North Carolina, falls under the administrative jurisdiction of Region IV of the Federal Emergency Management Agency (FEMA). Questions concerning this FIS may be directed to the North Carolina Floodplain Mapping Program at www.ncfloodmaps.com, the FEMA Map Assistance Center by calling the toll-free information line at 1-877-FEMA MAP (1-877-336-2627), or by contacting the FEMA Regional Office at the following address:

FEMA, Federal Insurance and Mitigation Administration
Koger Center - Rutgers Building
3003 Chamblee Tucker Road
Atlanta, Georgia 30341
(770) 220-5400

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Section 1.0 - Introduction

1.1 The National Flood Insurance Program

In 1968, Congress created the National Flood Insurance Program (NFIP) in response to the rising cost of taxpayer-funded disaster relief for flood victims and the increasing amount of damage caused by floods. The NFIP makes federally backed flood insurance available in communities that agree to adopt and enforce floodplain management ordinances to reduce future flood damage. Federally backed flood insurance is available in more than 19,000 communities across the United States and its territories.

The NFIP is managed by the Federal Insurance and Mitigation Administration of the Federal Emergency Management Agency (FEMA). The Federal Insurance and Mitigation Administration manages the insurance component of the NFIP and oversees the flood hazard mapping and the floodplain management aspects of the program.

The NFIP, through involvement with communities, the insurance industry, and the lending industry, helps reduce flood damage by nearly $800 million a year. Further, buildings constructed in compliance with NFIP building standards suffer approximately 80% less damage annually than those not built in compliance. In addition, every $3 paid in flood insurance claims saves $1 in disaster assistance payments. The NFIP is self-supporting for the average historical loss year, which means that operating expenses and flood insurance claims are not paid by the taxpayer, but through premiums collected for flood insurance policies.

Additional information of interest to homeowners, community officials, insurance companies, lenders, and study contractors is available in Section 9.0 of this FIS Report and on the NFIP Internet homepage at http://www.fema.gov/nfip/index.htm.

1.2 Purpose of this Flood Insurance Study

Flood Insurance Studies (FISs) are one of the primary means by which the NFIP administers the National Flood Insurance Act of 1968, the Flood Disaster Protection Act of 1973, and the National Flood Insurance Reform Act of 1994. FISs develop flood risk data that are used to establish actuarial flood insurance rates. The information in this FIS Report will also be used by Randolph County and the jurisdictions therein (hereinafter referred to collectively as Randolph County) to facilitate the adoption and maintenance of floodplain management ordinances, which form the basis of communities' continued participation in the NFIP. Minimum requirements for participation in the NFIP are set forth in Title 44, Part 60, Section 3 of the Code of Federal Regulations (44 CFR 60.3). In some States and/or communities, floodplain management criteria or regulations may exist that are more restrictive than the minimum Federal requirements. In such cases, the more restrictive criteria will take precedence, and the State and/or community (or other jurisdictional agency) will be able to explain them.

This FIS investigates the existence and severity of flood hazards in, or revises and updates previous FISs for, the geographic area of Randolph County, North Carolina, including the jurisdictions listed in Table 1.

Table 1—Jurisdictions in Randolph County

Community	Included in this FIS	Not Included in this FIS	If Not Included, Location of Flood Hazard/Flood Insurance Rate Data
Archdale, City of	X		
Asheboro, City of	X		
Franklinville, Town of	X		
High Point, City of		X	Guilford County FIS
Liberty, Town of	X		
Ramseur, Town of	X		
Randleman, City of	X		
Randolph County (Unincorporated Areas)	X		
Seagrove, Town of	X		
Staley, Town of*	X		
Thomasville, City of		X	Davidson County FIS
Trinity, City of	X		

* Non-Floodprone Community

1.3 FIS Components

A Flood Insurance Study (FIS) is an analysis of flood hazards, typically presented as a set of Flood Insurance Rate Map (FIRM) panels and the FIS Report, which includes a set of Flood Profiles.

Flood Insurance Rate Map

The FIRM shows 1% annual chance (100-year) and 0.2% annual chance (500-year) floodplains, using tints, screens, and symbols. Floodways, the locations of selected cross sections used in the hydraulic analyses and floodway computations, and Velocity Zones are shown where applicable. The FIRM for North Carolina has been produced digitally, and there are separate data layers that are available in the public domain via the Internet.

Flood Insurance Study Report

The FIS Report provides a context for the information shown on the FIRM, as well as a summary of the data upon which the analyses are based. It also includes an index of sources of additional information on the NFIP.

Flood Profiles

A Flood Profile is provided for every stream studied in detail, showing the continuum of calculated flood elevations of various recurrence periods along the studied reaches. Flood Profiles are the documents that serve as a basis for determining flood insurance rate zones.

Section 2.0 – Floodplain Management Applications

Flood events of a magnitude expected to occur with a 10%, 2%, 1%, or 0.2% annual chance have been selected as having special significance for developing sound floodplain management programs. These events, commonly termed the 10-, 50-, 100-, and 500-year floods, have a 10%, 2%, 1%, and 0.2% chance, respectively, of being equaled in any given year. Therefore, FIS Reports typically determine water-surface elevations for floods with these probabilities. The FIRM delineates 1% and 0.2% annual chance floodplains and 1% annual chance floodway boundaries, and depicts 1% annual chance flood elevations, rounded to the nearest foot, to assist in developing floodplain management measures.

2.1 Floodplains

To provide a national standard without regional discrimination, the 1% annual chance flood has been adopted by FEMA as the base flood for floodplain management purposes. A 1% annual chance flood, or base flood, is defined as that having a 1% chance of being equaled or exceeded in any given year. The 1% annual chance floodplains shown on the FIRM identify areas that are expected to be inundated by the 1% annual chance flood. This 1% annual chance floodplain is also called a Special Flood Hazard Area (SFHA), where the NFIP's floodplain management regulations must be enforced by the community as a condition of participation in the NFIP. The 0.2% annual chance floodplain is employed to indicate additional areas of flood risk associated with exceptionally severe floods.

2.2 Floodways

Encroachment on floodplains such as that caused by placement of structures and fill reduces flood-carrying capacity, increases flood heights and velocities, and increases flood hazards in areas beyond the encroachment itself. One aspect of floodplain management involves balancing the economic gain from floodplain development against the resulting increase in flood hazard. For purposes of the NFIP, floodways are provided as a tool to assist local communities in this aspect of floodplain management. Under this concept, the 1% annual chance riverine floodplain is divided into a floodway and a floodway fringe. 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. Figure 1, "Floodway Schematic," illustrates this principle. Minimum Federal standards limit such increases to 1.0 foot, provided that hazardous velocities are not produced. The floodways in this FIS are presented to local agencies as a minimum standard that can be adopted directly or that can be used as a basis for additional encroachment studies.

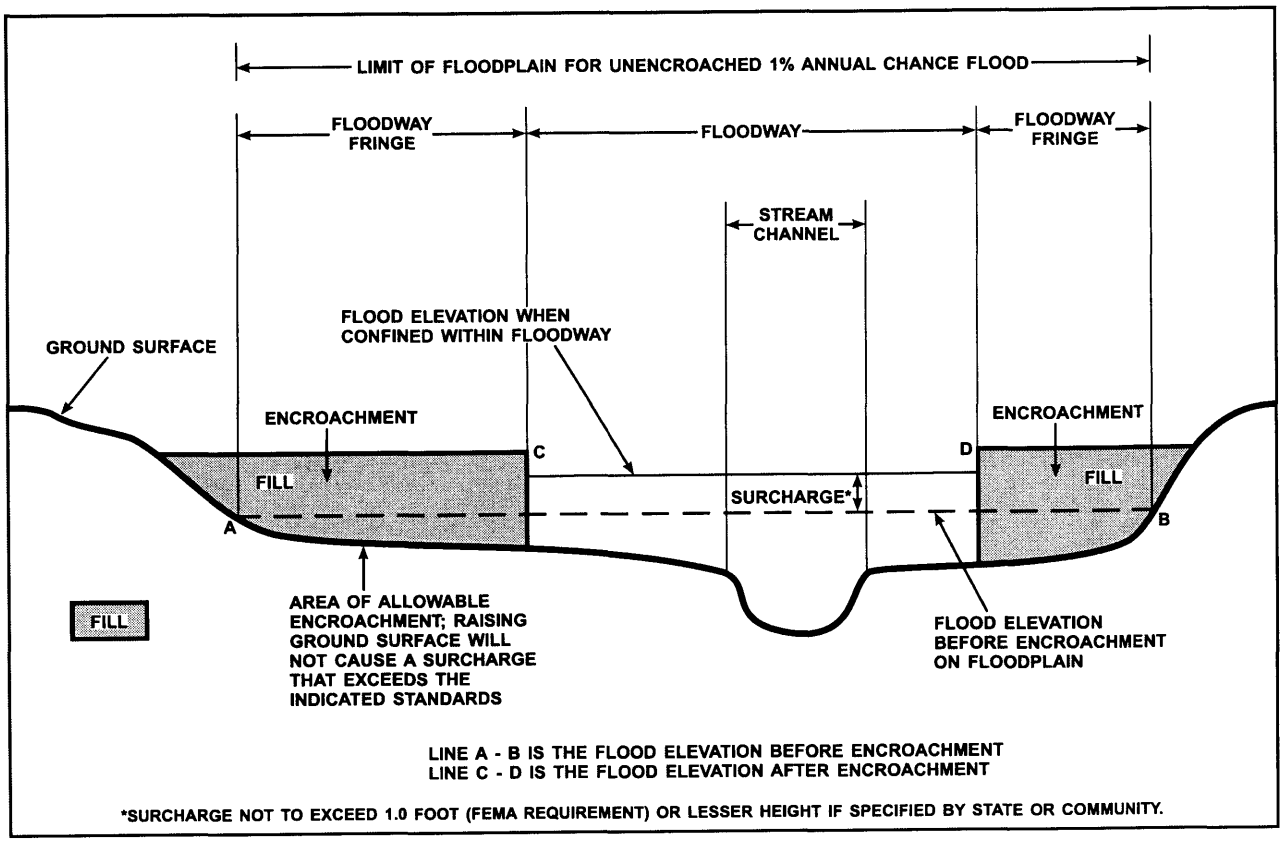

Figure 1—Floodway Schematic

2.3 Base Flood Elevations

Base Flood Elevations (BFEs) are shown on the FIRM and represent rounded, whole-foot elevations at selected locations along flooding sources that have been studied in detail. Flood Profiles in this FIS Report provide a comprehensive and definitive tool to determine specific flood elevations along a stream studied by detailed methods. In order to reduce the risk of damage from floods up to the base (1% annual chance) flood, communities are advised to consider these elevations when issuing building permits for structures.

Coastal flood elevations are provided in the Summary of Coastal Stillwater Elevations table in this report. If the elevation on the FIRM is higher than the elevation shown in this table, a wave height, wave runup and/or wave setup component likely exists, in which case, the higher elevation should be used for construction and/or floodplain management purposes.

2.4 Watershed Characteristics

Because a FIS is a probability analysis that may not account for some of the factors listed below, communities are strongly encouraged to consider adopting more restrictive or higher floodplain management criteria or ordinances than the minimum Federal requirements. Communities may also increase the validity of their flood hazard data by investing in continuous maintenance of river gages (see the **Data Validity and Reliability** paragraph below). If the U.S. Geological Survey (USGS) or other agencies do not maintain gages on the flooding sources of interest,

partnerships with the USGS may be pursued, or local gages may be installed. For more information, see Section 9.0 of this report.

This flood hazard study represents an analysis of certain watershed characteristics, some of which are summarized as follows:

Drainage Area

In general, streams that drain larger areas have greater flood hazards. FISs, in North Carolina, do not typically analyze flood hazards in places with rural drainage areas of less than one square mile and within urban drainage areas of less than ½ square mile.

Soil Permeability and Infiltration

Differences in the types of soil and the amount of vegetation in a watershed have a significant effect on the amount of water that the soil can absorb; soils with a high sand content absorb much more water than soils with a high clay content. The presence of vegetation increases infiltration; the presence of pavement decreases infiltration and also speeds runoff to receiving waters. As soil permeability and infiltration decrease, the volume and rate of overland flow increases.

Soil Moisture Conditions

In addition to soil permeability and infiltration, the level of the water table helps determine the saturation point, beyond which no water is absorbed. As rainfall duration increases, the height of the water table increases.

Channel and Floodplain Geometry

The geometric contour of a streambed, termed channel geometry, and the geometric contour of a floodplain determine the volume of water that a channel can hold and partially determine the rate at which water flows through it.

Channel and Floodplain Roughness

The roughness of a surface affects the characteristics of runoff whether the water is on the surface of the watershed or in the channel.

FIS Reports include analyses of how these factors will combine to produce overland flow patterns during floods that have a certain probability of occurring in any given year. Although the recurrence interval represents the long-term average period between floods of a specific magnitude, rare floods could occur at shorter intervals or even within the same year. The risk of experiencing a rare flood increases when longer periods are considered. For example, the risk of having a flood which equals or exceeds the 1% annual chance flood (1% chance of annual exceedence) in any 50-year period is approximately 40% (4 in 10), but for any 90-year period, the risk increases to approximately 60% (6 in 10).

It is important to note that the 1% annual chance flood is used as the national standard to allow a consistent approach to floodplain management, flood hazard assessment, and flood hazard mapping. In any given community, a number of factors may result in flooding characteristics that do not conform to predicted conditions. Therefore, the determination that an area is not shown on the FIRM as being within a Special Flood Hazard Area is no guarantee that it will not flood during a 1% annual chance flood. Examples of these factors include Data Validity and Reliability; Developmental and Topographic Changes Over Time; Erosion, Deposition, and Debris Flow; and Meandering and Lateral Migration.

Data Validity and Reliability

Certain types of analysis methods yield more justifiable characterizations of flood hazards. For example, a gage analysis, to determine peak discharges, is based on actual measurements of watershed conditions over time and, therefore, is typically considered the most accurate method of hydrologic analysis. However, it is not feasible to install enough gages to gather data on every stream. In addition, for many of the gage sites that do exist, there are interruptions in the period of record. The usefulness of gage data for the purpose of predicting flooding behavior decreases with interruptions in the period of record; predicted flooding conditions over a 100-year period based on 20 years of measurements spread over a 35-year period are less valid than those based on 30 years of continuous measurements. A regression analysis is typically considered the best method in the absence of gage data, as it uses gage data from watersheds with similar characteristics to estimate flood frequency and magnitude in an ungaged watershed. Regression equations reflect average conditions for a region; therefore, the results will not exactly match the results of a gage analysis at a particular location. The standard errors of the North Carolina rural regression equations range from 44 to 51 percent for estimates of the 1% annual chance flood. That means the difference between the results of the regression equation and the gage analysis for approximately two-thirds of the locations that gage data exists are within 44 to 51 percent of the gage analysis results. A rainfall-runoff hydrologic analysis may be used for gaged or ungaged watersheds, and can estimate the effects of storage areas and flood control structures and measures. This method is most valid when calibrated against historical data.

Developmental and Topographic Changes Over Time

A FIRM is based on the best topographic and planimetric information available to FEMA and the State of North Carolina at the time the study is produced. In time, however, development and/or natural phenomena can alter the physical characteristics of a watershed and its drainage channels, resulting in changes in the flood hazards in those areas. For example, constructing a housing subdivision reduces the amount of soil that is available to absorb water; this in turn causes an increase in the volume of surface water that flows into the channel.

Erosion, Deposition, and Debris Flow

The flood hazards shown on a FIRM are based on the assumption of unobstructed flow. The FIRM does not reflect an analysis of areas that are subject to erosion caused by the increased water-surface elevations and velocities that occur during flooding. In addition to the risks of landslides or a weakening of the ground underneath roads or structures, any sediment that is removed from one location will be deposited in another; accumulated deposits may have a pronounced effect on flood hazards in those areas. Similarly, debris such as fallen trees or branches, litter, or other items may obstruct stream channels or hydraulic structures, increasing water-surface elevations, velocities, and floodplain width.

Meandering and Lateral Migration

FISs are based on the assumption that channel geometry will remain stable during normal drainage and during flood events. This assumption is valid for most streams, which flow over bedrock or between bedrock outcroppings that form non-alluvial channels. However, alluvial streams change the channel geometry with time, significantly so during flood events. Alluvial streams are subject to erosion and deposition, which may result in braided or meandering channels. Streams of this type may be characterized by lateral migration, or channel shifting, in which the stream may change course entirely during a flood. Whenever clear evidence is available, a FIRM will identify the alluvial nature of a studied flooding source and designate wider floodways to allow for potential migration. However, these floodways are based on qualitative assessments and not on quantitative geomorphic and engineering analyses.

Section 3.0 – Insurance Applications

For flood insurance applications, the FIRM designates flood insurance rate zones and, in 1% annual chance floodplains that were studied by detailed methods, shows selected whole-foot BFEs or average depths. Insurance agents use the zones and BFEs in conjunction with information on structures and their contents to assign premium rates for flood insurance policies. Table 2, "Flood Zone Designations," includes a description of each type of flood hazard zone.

Table 2—Flood Zone Designations

Zone	Description
A	Zone A is the flood insurance rate zone that corresponds to the 1% annual chance floodplains that are determined in the FIS Report by approximate methods. Because detailed hydraulic analyses are not performed for such areas, no Base Flood Elevations or depths are shown within this zone.
AE	Zone AE is the flood insurance rate zone that corresponds to the 1% annual chance floodplains that are determined in the FIS Report by detailed methods. In most instances, whole-foot Base Flood Elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.
AH	Zone AH is the flood insurance rate zone that corresponds to the areas of 1% annual chance shallow flooding (usually areas of ponding) where average depths are between 1 and 3 feet. Whole-foot Base Flood Elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.
AO	Zone AO is the flood insurance rate zone that corresponds to the areas of 1% annual chance shallow flooding (usually sheet flow on sloping terrain) where average depths are between 1 and 3 feet. Average whole-foot depths derived from the detailed hydraulic analyses are shown within this zone.
AR	Zone AR is the flood insurance rate zone that corresponds to areas that were formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
A99	Zone A99 is the flood insurance rate zone that corresponds to areas of the 1% annual chance floodplain that will be protected by a Federal flood protection system where construction has reached specified statutory milestones. No Base Flood Elevations or depths are shown within this zone.
V	Zone V is the flood insurance rate zone that corresponds to the 1% annual chance coastal floodplains that have additional hazards associated with storm waves. Because approximate hydraulic analyses are performed for such areas, no Base Flood Elevations are shown within this zone.
VE	Zone VE is the flood insurance rate zone that corresponds to the 1% annual chance coastal floodplains that have additional hazards associated with storm waves. Whole-foot Base Flood Elevations derived from the detailed hydraulic analyses are shown at selected intervals within this zone.

Table 2—Flood Zone Designations

Zone	Description
X	Zone X is the flood insurance rate zone that corresponds to areas outside the 0.2% annual chance floodplain, areas within the 0.2% annual chance floodplain, and to areas of 1% annual chance flooding where average depths are less than 1 foot, areas of 1% annual chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1% annual chance flood by levees. No Base Flood Elevations or depths are shown within this zone.
D	Zone D is the flood insurance rate zone that corresponds to unstudied areas where flood hazards are undetermined, but possible.

Section 4.0 – Area Studied

4.1 Basin Characteristics

Cape Fear River Basin

The Cape Fear River Basin extends from its headwaters near Greensboro and High Point in the north central Piedmont region of North Carolina to the Atlantic Ocean near Wilmington and Cape Fear. It is bordered by the Roanoke River Basin to the north, the Neuse River Basin to the north and northeast, the White Oak River Basin to the east, the Yadkin River Basin to the west, the Lumber River Basin to the southwest and south, and the Atlantic Ocean to the east. Encompassing an area of approximately 9,300 square miles, the Cape Fear River Basin is the largest river basin in North Carolina. It is also one of only four river basins located entirely within the state.

The Cape Fear River, the major waterway in the basin, begins at the confluence of the Haw and Deep Rivers, near the border of Chatham and Lee Counties. The Cape Fear River continues southeastward through a series of three locks and dams and finally enters the Atlantic Ocean. Everett Jordan Lake, a reservoir along the Haw River near its confluence with the Deep River, regulates flood flows for the entire Cape Fear River.

The Cape Fear River Basin is located in both the Coastal Plain and Piedmont regions of North Carolina. Flat terrain, slow moving streams, swampland, and estuarine areas characterize the topography of the Coastal Plain. The Piedmont region is characterized by rolling terrain and forested floodplains. More than half of the land cover in the basin is forested. Since 1982, land use identification shows an increase in developed land area and a decrease in agricultural cropland.

The basin includes approximately 6,300 miles of freshwater flooding sources, approximately 39,200 acres of estuarine waters, and numerous lakes and reservoirs. In addition to supporting many environmental habitats, which are home to many endangered and threatened species, the waters in the Cape Fear River Basin serve as valuable commercial and recreational waters.

The Cape Fear River Basin encompasses all or parts of 29 counties and 110 municipalities. Data from the 2000 census show that the population of the basin is approximately 1,498,075. The most populated areas of the basin are the Durham-Chapel Hill area, the Fayetteville area, the Wilmington area, and the Triad region, which is made up of the area containing Greensboro, Burlington, and High Point.

The economy of the Cape Fear River Basin is largely based on agriculture, forestry, and manufacturing. Pork, poultry, soybean, and tobacco production are of high agricultural significance.

Given the historical impact of hurricanes, tropical storms, and northeasters on the Coastal Plain of North Carolina, both riverine and coastal flooding are significant problems. Flooding in the Cape Fear River Basin occurs as both flooding due to rain and, in areas near the coastline, flooding due to the wave surges generated by tropical storms and hurricanes in the Atlantic Ocean.

Yadkin River Basin

The Yadkin River Basin drains from the Virginia border to South Carolina, cutting a swath through west central North Carolina. With 7,400 square miles, or 15.6% of the land area, this is the second largest drainage basin in the state. It also has the second largest number of stream

miles - 5,855. The basin originates on the eastern slopes of the Blue Ridge Mountains in Caldwell, Wilkes, and Surry Counties. A small portion of the Yadkin River headwaters originates in Virginia and flows northeasterly for about 100 miles, then flows to the southeast until it joins the Uwharrie River to form the Pee Dee River. The Pee Dee River continues flowing southeasterly through South Carolina to the Atlantic Ocean. The North Carolina portion of the basin contains approximately 5,991 miles of freshwater streams and rivers.

Forest land covers approximately 50% of the basin and 95% of that forestry is privately owned. Agriculture (including cultivated and uncultivated cropland (15.6%) and pastureland (14.1%)) covers approximately 30% of the land area, while 13% of the land is developed. The urban and built-up category comprises roughly 11% and exhibited the most dramatic change between 1982 and 1992 (38% increase). Other categories that showed substantial changes during this period were pasturelands (19% increase) and the "Other" category, which includes rural transportation (26% increase).

Both cultivated and uncultivated cropland decreased by a total of 46% in the basin between 1982 and 1992. It is likely that some of this cropland was converted to pastureland and to urban and built-up areas. Major land use activities in the basin include agriculture (crops, swine, poultry and cattle operations) and construction activities related to growth. Iredell County has the largest dairy cattle population in the state. The map below shows a general area of the Yadkin River Basin, also known as the Yadkin-Pee Dee River Basin.

There are 28 counties and over 93 municipalities in this large drainage area. The basin includes all or portions of the following counties: Alexander, Allegheny, Anson, Ashe, Cabarrus, Caldwell, Davidson, Davie, Forsyth, Guilford, Iredell, Mecklenburg, Montgomery, Randolph, Richmond, Rowan, Scotland, Stanly, Stokes, Surry, Union, Watauga, Wilkes, and Yadkin. (This Basin Plan does not include information for the following counties: Ashe, Alleghany, and Guilford. Ashe, Alleghany and Guilford are included in other Basin Plans.) This is the second most densely populated watershed, with 1,193,353 people or 17.51 % of the state's total population. Based on 1990 census data, the population of the basin was 1.2 million people.

The most populated areas are in and near Winston-Salem and Charlotte. The overall population density is 163 persons per square mile versus a statewide average of 123 persons per square mile. While much of the basin contains rural areas surrounding small towns, many of the small to large cities have high density areas. The percent population growth over the ten year period between 1980 and 1990 was 10 percent.

This region is characterized by rolling hills and geologic formations consisting of crystalline or sedimentary rocks. Because of the moderate topography, more streams drain a smaller amount of land, creating moderate drainage density.

The Yadkin Basin serves as a corridor for plants and animals migrating from the mountains to the Coastal Plain, and vice-versa. This basin contains a variety of habitat types, as well as many rare plants and animals. Sportfishes in the Yadkin River upstream of the Kerr Scott Reservoir include smallmouth bass, redbreast sunfish and bullhead catfishes. A considerable amount of white and striped bass fish exist below Idols Dam (west of Clemmons – in Forsyth County) in the spring when the fish migrate from downstream reservoirs to spawn. In addition to being important natural resources, these reservoir fisheries also help make the basin a popular place for recreation, significantly boosting the local economy.

4.2 Principal Flood Problems

Flooding on Muddy Creek, Muddy Creek-West Tributary, and Muddy Creek-East Tributary within the study area of the City of Archdale may occur during any season of the year. Across Randolph County, the most severe flooding is usually the result of heavy rains from tropical storms and local spring or summer thunderstorms. Since the flood plains of the two major rivers (Deep River and Uwharrie River) are generally flat or only slightly sloping, they are subject to periodic flooding and/or prolonged periods of wetness.

The flooding problem in the City of Archdale is complicated by the fact that High Point, a highly urbanized center, is approximately one mile north of the city. High Point discharges large volumes of runoff, directly into the headwaters of Muddy Creek. This causes serious problems with street flooding downstream in the City of Archdale. Furthermore, the inadequate drainage system in Archdale makes extensive flooding on Muddy Creek a frequent event.

A typical flood in the City of Archdale commonly results when rain totaling 3 to 5 inches falls within a span of 4 to 5 hours (approximately a 20-year recurrence interval) (U.S. Department of Commerce, 1963).

Recent floods have occurred on September 8, 1977, and April 26, 1978, when 4 to 6 inches of rain from Hurricane Babe and Tropical Storm Clara were reported throughout the county, causing inundation of some City of Archdale streets. These storms are estimated to have had a recurrence interval of greater than 10 years. The flood of record occurred on August 13, 1966, and was brought on by heavy rains totaling 9 inches in 5 hours. This event had a recurrence interval of greater than 200 years. Other floods with recurrence intervals of approximately 1 year each occurred on August 13, 1966, and July 13 through 15, 1975. River-stage data from U.S. Geological Survey gage stations on Deep River near Randleman and at Ramseur reveal that a stage of 662.46 feet near Randleman and a stage of 440.80 feet at Ramseur were reached.

In 1947, Deep River crested at 670.31 feet with a recurrence interval of approximately 50 years. The flood of record occurred on Deep River in 1945, when its crest at Ramseur attained 453.54 feet, approximately a 0.2% annual chance flood event (U.S. Department of Interior, 1977).

The flooding problem in the City of Asheboro is complicated by the fact that all areas have inadequate drainage systems. The systems were installed during the early development of the city. Urban expansion has since increased runoff and created problems where these undersized pipes are still in use.

Longtime residents of Asheboro recall that there have been a number of floods in the following streams and their tributaries: Deep River, Hasketts Creek, Penwood Branch, Vestal Creek, Little River, and Back Creek. In 1959, when the sewage disposal plant was under construction, heavy rains of several days tore through a section of the inflow pipe in the pasture west of Hub Morris Road. Water flooded the pasture up to the equipment shed. The roadbed of Hub Morris Road settled 10 to 12 inches. On August 22, 1960, heavy rains of 4 inches over 2 days, an event with approximately a 1-year recurrence interval, sent 1 foot of water over Lake Lucas spillway (fed by Back Creek), damaging pumps and transformers. On August 13, 1966, the record flood occurred when heavy rains of 9 inches in 5 hours, a greater than 200-year event, flooded Hasketts Creek as far as Buck Creek and Penwood Branch. The roadbed of Bankemeyer Road was flooded to a depth of more than 42 inches, and the sewage disposal plant was heavily flooded. On July 13 through July 15, 1975, rainfall of 6.1 inches in 2.5 days, an event with approximately a 1-year

recurrence interval, pushed precipitation 9 inches over the monthly city average and resulted in residential flooding in isolated areas. On September 8, 1977, heavy rains of 4.4 inches in 8 hours, a greater than 10-year recurrence interval, sent water over Lake Lucas Dam. On October 26, 1977, rains of 3.6 inches in 5 hours, a greater than 10-year event, caused flooding on Little River and Vestal Creek. One of the more recent floods occurred on April 26, 1978, and was estimated to have a recurrence interval of greater than 10 years (U.S. Department of Commerce, 1963).

4.3 Historic Flood Elevations

September 13, 1984 (Hurricane Diana)
The landfall location of Diana was 38 miles south of Wilmington with 90 mph winds at its closest approach to Wilmington. Diana had 115 mph sustained winds before landfall. Storm surge was approximately 5-6 feet.

September 26, 1985 (Hurricane Gloria)
The landfall location of Gloria was Cape Hatteras, with 90 knot winds and a storm surge of approximately 6-8 feet.

July 12, 1996 (Hurricane Bertha)
1996 was a damaging year in the hurricane history of North Carolina. Tropical Storm Arthur, Hurricane Bertha, and Hurricane Fran all made direct landfall on the North Carolina coastline. It was the most active tropical cyclone season in the state since 1955, when Hurricanes Connie, Diane, and Ione all hit the coast. Bertha entered North Carolina in North Topsail Beach with 105 mph gust and a storm surge of approximately 5 feet.

September 5, 1996 (Hurricane Fran)
The landfall location of Fran near the city of Wilmington and its progression into the Raleigh-Durham area caused an estimated $1.275 billion in damage in North Carolina alone. Fran hit with gusts up to 105 mph and a storm surge of approximately 16 feet. Over $1 billion in damage was reported in North Topsail Beach and Surf City and 23 people were killed.

August 26, 1998 (Hurricane Bonnie)
The landfall location of Bonnie was in southern North Carolina near Cape Fear very close to landfall of both Hurricanes Bertha and Fran in 1996. Even though a powerful storm, damage from Bonnie was much less than Fran, which was also Category 3. Winds gusted up to 100 knots and storm tides of 5 to 8 feet above normal were reported mainly in eastern beaches of Brunswick County, while a storm surge of 6 feet was reported at Pasquotank and Camden Counties in the Albemarle Sound.

September 16, 1999 (Hurricane Floyd)
Hurricane Floyd made landfall near Wilmington with category two winds of 105 to 110 mph. Rainfall totals from Floyd were as high as 15 to 20 inches over portions of eastern North Carolina; with a record of 23.45 inches of rain falling in the month of September at Wilmington, NC. This breaks the previous record of 21.12 inches set in July 1886. These rains combined with saturated ground from previous rain events, including Hurricane Dennis, to produce an inland flood disaster. There were 74 deaths in the United States, including 52 in North Carolina, due to drowning from flood waters.

Data from the USGS indicate that eleven of their stream gage monitoring sites in North Carolina (Ahoskie, Rocky Mount, Hilliardston, White Oak, Enfield, Tarboro, Lucama, Hookerton, Trenton, Chinquapin, and Freeland) exceeded 0.2% annual chance flood levels due to Floyd. Total losses in North Carolina approach $5 billion with an estimated $3.5 billion in damages to North Carolina homes, businesses, roads, and infrastructure.

Floyd passed relatively close to the entire U.S. east coast, justifying hurricane warnings from Florida to Massachusetts and requiring an estimated two million people to evacuate. The last hurricane to require warnings for as large a stretch of coastline was Hurricane Donna in 1960.

Table 3, "Historic Flood Elevations," lists selected flooding sources in Randolph County with records of past stages. The table shows the historic peak, a location description, approximate stream station, the date of the historic peak, and approximate recurrence interval of the flood elevation. The approximate recurrence interval for a flood is often estimated based on an analysis of rainfall amounts from a storm and /or stream gage data.

Table 3—Historic Flood Elevations

Flooding Source	Location Description	Approximate Stream Station	Historic Peak (Feet NAVD 88)	Date	Approximate Recurrence Interval
Hurricane Fran	Brush Creek	29,407	412.68	September 1996	25-year
Hurricane Floyd	Brush Creek Tributary 1	1,292	568.27	September 1999	10-year
Hurricane Floyd	Deep River	135,106	534.06	September 1999	2-10-year
Hurricane Fran	Fork Creek	1,414	340.85	September 1996	25-year
Hurricane Floyd	Fork Creek	58,960	465.54	September 1999	10-year
Hurricane Floyd	Hasketts Creek	23,758	672.66	September 1999	2-10-year
Hurricane Fran	Sandy Creek	67,379	569.89	September 1996	100-year

4.4 Flood Protection Measures

Flood protection measures may be structural (such as levees, dams, and reservoirs) or non-structural (such as land-use management ordinances, policies, or practices).

To provide safe flood protection and be mapped as such, FEMA specifies that all levees must: have a minimum of three feet of freeboard against the 1% annual chance flood event; be equipped with closure devices at every opening; be constructed with embankments and foundations that are certified not to fail due to erosion, seepage, or instability; and be certified against future loss of freeboard due to settling. For additional requirements, please refer to 44 CFR 65.10.

Table 4, "Flood Protection Measures," lists the flood protection measures undertaken to mitigate flood damage in Randolph County.

Table 4—Flood Protection Measures

Type of Measure	Description of Measure or Location and Description of Structure	Levee Compliant with 44 CFR 65.10?
Land Use Regulations	Land use regulations are implemented by the City of Archdale and the City of Asheboro to preclude extensive flood damage to future development.	N/A
Raw-Water-Supply Lakes	There are five raw-water-supply lakes on the Back Creek tributary system to the west of the City of Asheboro. Although they were constructed primarily for water-supply purposes, they may serve as flood protection devices for floodflows on Back Creek.	N/A
Worthville Dam	Worthville Dam is located approximately 16,500 feet upstream from NC Secondary Road 2261 on Deep River. It was designed to reduce the 1% annual chance flood elevation by 5 to 6 feet.	N/A
Randleman Reservoir	Approximately 18,200 feet upstream from Worthville Dam on Deep River, this reservoir is not expected to have any appreciable effect on the elevation of the 1% and 0.2% annual chance floods	N/A
Howards Mill Reservoir and Caraway Back Dams	Situated on the Tributaries of Uwharrie River, one each at the confluences of Caraway and Back Creeks	N/A

N/A-Not Applicable

4.5 Scope of Study

In order to determine the areas studied by detailed and limited detailed methods in this FIS, initial research and community coordination was necessary. Initial scoping meetings were held in Randolph County to present the results of initial research to the county and communities within the county and to discuss their flood mapping needs. The county and communities were asked to provide input on proposed study priorities and analysis methods. Those meetings resulted in the identification of flooding sources having a flood mapping need. Draft basin plans were developed based on the results of the initial scoping meetings. Final scoping meetings were held by the State and FEMA to provide counties and communities an overview of the draft basin plans, including the proposed scope and schedule for the project, and to provide an opportunity for additional county and community input. After the final scoping meeting was held, the Final Basin Plans were produced.

Section 4.0 – Area Studied

This FIS covers the geographic area of Randolph County, North Carolina, and all jurisdictions therein. The areas studied by detailed methods were selected with priority given to all known flood hazard areas and areas of projected development and proposed construction. Limits of detailed study are indicated on the Flood Profiles and/or the FIRM. Please see Table 5, "Flooding Sources Studied by Detailed Methods: Revised or Newly Studied," for a list of flooding sources that were revised or newly studied by detailed methods for this FIS.

Table 5—Flooding Sources Studied by Detailed Methods: Revised or Newly Studied

Source	Riverine Sources		Affected Communities
	From	To	
Caraway Creek	Approximately 225 feet downstream of Beckerdite Road (SR 1524)	Approximately 1.6 miles upstream of Roy Farlow Road	City of Archdale, Randolph County (Unincorporated Areas)
Cedar Fork Creek	The confluence with Back Creek	Approximately 760 feet upstream of South Church Street	City of Asheboro, Randolph County (Unincorporated Areas)
Deep River	Approximately 350 feet upstream of the confluence of Reed Creek	The confluence of Hasketts Creek	City of Asheboro, Town of Franklinville. Town of Ramseur, Randolph County (Unincorporated Areas)
Hasketts Creek	The confluence of Penwood Branch	Approximately 400 feet downstream of confluence of Hasketts Creek Tributary 2	City of Asheboro, Randolph County (Unincorporated Areas)
Little Polecat Creek	The confluence with Polecat Creek	Approximately 580 feet upstream of Dam	Randolph County (Unincorporated Areas)
Little Polecat Creek Tributary 1	The confluence with Little Polecat Creek	Approximately 1.4 miles upstream of New Salem Road	Randolph County (Unincorporated Areas)
Little Polecat Creek Tributary 2	The confluence with Little Polecat Creek Tributary 1	Approximately 1.0 mile upstream of the confluence with Little Polecat Creek Tributary 1	Randolph County (Unincorporated Areas)
Little Polecat Creek Tributary 3	The confluence with Little Polecat Creek	Approximately 0.9 mile upstream of Bethel Church Road	Randolph County (Unincorporated Areas)
Little Polecat Creek Tributary 4	The confluence with Little Polecat Creek	Approximately 740 feet upstream of Hunting Lodge Road	Randolph County (Unincorporated Areas)
Little Polecat Creek Tributary 5	The confluence with Little Polecat Creek Tributary 4	Approximately 0.9 mile upstream of Hunting Lodge Road	Randolph County (Unincorporated Areas)

Table 5—Flooding Sources Studied by Detailed Methods: Revised or Newly Studied

Source	Riverine Sources		Affected Communities
	From	To	
Little Uwharrie River	Approximately 120 feet upstream of the confluence of Brier Creek	Approximately 0.4 mile upstream of North Carolina Highway 62	City of Trinity, Randolph County (Unincorporated Areas)
Long Branch	The confluence with Cedar Fork Creek	Approximately 0.5 mile upstream of Wilson Drive	City of Asheboro, Randolph County (Unincorporated Areas)
Mill Creek (into Deep River)	The confluence with Deep River	Approximately 1.0 mile upstream of Iron Mountain View Road	Randolph County (Unincorporated Areas)
Muddy Creek	Approximately 0.5 mile upstream of confluence of Taylor Branch	Approximately 200 feet upstream of Verta Avenue	Randolph County (Unincorporated Areas), City of Archdale
Muddy Creek East Tributary	The confluence with Muddy Creek	Approximately 210 feet upstream of Liberty Road	City of Archdale
Muddy Creek West Tributary	The confluence with Muddy Creek	Approximately 160 feet upstream of Playground Road	City of Archdale
Polecat Creek	The confluence with Deep River	Approximately 200 feet upstream of the County boundary	City of Randleman. Randolph County (Unincorporated Areas)
Polecat Creek Tributary 4	The confluence with Polecat Creek	Approximately 260 feet downstream of the confluence of Polecat Creek Tributary 5	Randolph County (Unincorporated Areas)
Polecat Creek Tributary 5	The confluence with Polecat Creek Tributary 4	Approximately 0.4 mile upstream of Dam	Randolph County (Unincorporated Areas)
Polecat Creek Tributary 6	The confluence with Polecat Creek	Approximately 1.3 miles upstream of the confluence with Polecat Creek	Randolph County (Unincorporated Areas)
Polecat Creek Tributary 7	The confluence with Polecat Creek	Approximately 0.8 mile upstream of the confluence with Polecat Creek	Randolph County (Unincorporated Areas)
Taylors Creek	The confluence with Caraway Creek	Approximately 3.1 miles upstream of Lassiter Mill Road	Randolph County (Unincorporated Areas)

Table 5—Flooding Sources Studied by Detailed Methods: Revised or Newly Studied

Source	Riverine Sources		Affected Communities
	From	To	
Uwharrie River	Approximately 140 feet downstream of the confluence of Uwharrie River Tributary 9	Approximately 350 feet downstream of Mendenhall Road	City of Trinity, Randolph County (Unincorporated Areas)
Uwharrie River Tributary 10	The confluence with Uwharrie River	Approximately 330 feet upstream of Pike Street	City of Trinity
Uwharrie River Tributary 11	The confluence with Uwharrie River	Approximately 0.7 mile upstream of Mendenhall Road	City of Trinity

Table 6, "Flooding Sources Studied by Detailed Methods: Redelineated," contains a list of flooding sources that were studied by detailed methods for previous FISs, but were only partially revised in the current study. Their effective analyses remain valid; however, their floodplain delineations have been revised on the current FIRM.

Table 6—Flooding Sources Studied by Detailed Methods: Redelineated

Source	Riverine Sources		Affected Communities
	From	To	
Hasketts Creek*	The confluence with Deep River	The confluence of Penwood Branch	City of Asheboro, Randolph County (Unincorporated Areas)
Hasketts Creek Tributary 1	The confluence with Hasketts Creek	Northwood Drive	City of Asheboro
Penwood Branch	The confluence with Hasketts Creek	Approximately 1,320 feet downstream of East Presnell Street	City of Asheboro
Penwood Branch Tributary	The confluence with Penwood Branch	Approximately 750 feet upstream of East Presnell Street	City of Asheboro
Richland Creek	Approximately 950 feet upstream of Old NC Highway 13	Approximately 260 feet downstream of confluence of Vestal Creek	Randolph County (Unincorporated Areas)
Vestal Creek	The confluence of Vestal Creek Tributary 3	Approximately 1.0 mile upstream of Confluence of Vestal Creek Tributary 1	City of Asheboro, Randolph County (Unincorporated Areas)
Vestal Creek Tributary 1	The confluence with Vestal Creek	Approximately 75 feet upstream of Foster Street	City of Asheboro

Table 6—Flooding Sources Studied by Detailed Methods: Redelineated

Source	Riverine Sources		Affected Communities
	From	To	
Vestal Creek Tributary 2	The confluence with Vestal Creek Tributary 3	Approximately 580 feet upstream of Pine Grove Drive	City of Asheboro
Vestal Creek Tributary 3	The confluence with Vestal Creek	The confluence of Vestal Creek Tributary 2	City of Asheboro

* Revised to reflect backwater effects from new detailed study

Table 7, "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 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Asheworth Branch	The Randolph/Montgomery County boundary	Approximately 215 feet upstream of King Drive	Randolph County (Unincorporated Areas)
Bachelor Creek	The confluence with Richland Creek	Approximately 0.5 mile upstream of confluence of Bachelor Creek Tributary 5	Randolph County (Unincorporated Areas)
Bachelor Creek Tributary 1	The confluence with Bachelor Creek	Approximately 480 feet upstream of Osborn Mill Road	Randolph County (Unincorporated Areas)
Bachelor Creek Tributary 2	The confluence with Bachelor Creek	Approximately 0.7 mile upstream of confluence with Bachelor Creek	Randolph County (Unincorporated Areas)
Bachelor Creek Tributary 3	The confluence with Bachelor Creek	Approximately 0.8 mile upstream of Bachelor Creek Road	Randolph County (Unincorporated Areas)
Bachelor Creek Tributary 4	The confluence with Bachelor Creek	Approximately 0.4 mile upstream of confluence with Bachelor Creek	Randolph County (Unincorporated Areas)
Bachelor Creek Tributary 5	The confluence with Bachelor Creek	Approximately 0.5 mile upstream of confluence with Bachelor Creek	Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Back Creek	The confluence with Caraway Creek	Approximately 110 feet upstream of the confluence with Back Creek Tributary 1	City of Asheboro, Randolph County (Unincorporated Areas)
Back Creek Tributary 1	The confluence with Back Creek	Approximately 0.5 mile upstream of Heath Dairy Road (SR 1511)	Randolph County (Unincorporated Areas)
Back Creek Tributary 1A	The confluence with Back Creek Tributary 1	Approximately 0.2 mile upstream of the confluence with Back Creek Tributary 1	Randolph County (Unincorporated Areas)
Betty McGees Creek	The confluence with Uwharrie River	Approximately 3.7 miles upstream of Lassiter Mill Road (SR 1107)	Randolph County (Unincorporated Areas)
Big Branch	The confluence with Little River	Approximately 0.7 mile upstream of the confluence with Little River	Randolph County (Unincorporated Areas)
Blood Run Creek	At the confluence with Brush Creek	At the Randolph/Chatham County boundary	Randolph County (Unincorporated Areas)
Boodom Creek	The confluence with Sandy Creek	Approximately 0.6 mile upstream of Unnamed Road	Randolph County (Unincorporated Areas)
Boodom Creek Tributary 1	The confluence with Boodom Creek	Approximately 2.1 miles upstream of the confluence with Boodom Creek	Randolph County (Unincorporated Areas)
Boodom Creek Tributary 2	The confluence with Boodom Creek	Approximately 480 feet upstream of Troy Estate Road	Town of Liberty Randolph County (Unincorporated Areas)
Brier Creek	The confluence with Little Uwharrie River	The Davidson/Randolph County boundary	Randolph County (Unincorporated Areas)
Brier Creek Tributary 1	The confluence with Brier Creek	Approximately 1,035 feet upstream of Hughes Grove Road (SR 1400)	Randolph County (Unincorporated Areas)
Brush Creek	The confluence with Deep River	The Randolph/Chatham County boundary	Randolph County (Unincorporated Areas)
Brush Creek Tributary 1	The confluence with Brush Creek	Approximately 630 feet upstream of Browns Crossroads Road	Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Bush Creek	The confluence with Deep River	Approximately 0.4 mile upstream of Old Liberty Road	Town of Franklinville, Randolph County (Unincorporated Areas)
Bush Creek Tributary	The confluence with Bush Creek	Approximately 0.7 mile upstream of Whites Memorial Road	Randolph County (Unincorporated Areas)
Cable Creek	The confluence with Back Creek	Approximately 1.3 miles upstream of confluence with Back Creek	Randolph County (Unincorporated Areas)
Caraway Creek	The confluence with Uwharrie River	Approximately 225 feet downstream of Beckerdite Road (SR 1524)	Randolph County (Unincorporated Areas)
Caraway Creek Tributary 1	The confluence with Caraway Creek	Approximately 1.0 mile upstream of Sawyer Road	Randolph County (Unincorporated Areas)
Caraway Creek Tributary 2	The confluence with Caraway Creek	Approximately 1,300 feet upstream of Beeson Farm Road (SR 1525)	Randolph County (Unincorporated Areas)
Caraway Creek Tributary 3	The confluence with Caraway Creek	Approximately 0.4 mile upstream of the confluence with Caraway Creek	Randolph County (Unincorporated Areas)
Deep River (lower)	The Randolph/Moore County boundary	Approximately 350 feet upstream of confluence of Reed Creek	Randolph County (Unincorporated Areas)
Deep River (upper)	The confluence of Hasketts Creek	The Randolph/Guilford County boundary	City of Randleman, Randolph County (Unincorporated Areas)
Deep River Tributary 15	The confluence with Deep River	Approximately 1,160 feet upstream of US Highway 64	Town of Ramseur, Randolph County (Unincorporated Areas)
Deep River Tributary 16	The confluence with Deep River	Approximately 1.8 miles upstream of NC 22	Town of Ramseur, Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Deep River Tributary 17	The confluence with Deep River	Approximately 0.9 mile upstream of US Highway 64	Town of Franklinville, Randolph County (Unincorporated Areas)
Deep River Tributary 18	The confluence with Deep River	Approximately 0.5 mile upstream of Depot Street	Town of Franklinville
Deep River Tributary 19	The confluence with Deep River Tributary 18	Approximately 0.4 mile upstream of Clark Avenue	Town of Franklinville
Deep River Tributary 20	The confluence with Deep River	Approximately 1,320 feet upstream of Worthville Street	City of Randleman
Deep River Tributary 21	The confluence with Deep River	Approximately 0.4 mile upstream of Sunset Drive	City of Randleman
Deep River Tributary 22	The confluence with Deep River Tributary 21	Approximately 0.7 mile upstream of Bowman Avenue	City of Randleman
Deep River Tributary 23	The confluence with Deep River Tributary 22	Approximately 0.2 mile upstream of Brookwood Acres Drive	City of Randleman
Deep River Tributary 24	The confluence with Deep River	Approximately 0.9 mile upstream of Business 220	City of Randleman, Randolph County (Unincorporated Areas)
Deep River Tributary 26	The confluence with Deep River	The Randolph/Guilford County boundary	Randolph County (Unincorporated Areas)
Dodsons Lake	The confluence with Sandy Creek	Approximately 0.4 mile upstream of Julian Airport Road	Randolph County (Unincorporated Areas)
Dodsons Lake 2	The confluence with Dodsons Lake	Approximately 0.3 mile upstream of confluence with Dodsons Lake	Randolph County (Unincorporated Areas)
Dodsons Lake Tributary 1	The confluence with Dodsons Lake	Approximately 420 feet upstream of Upper Three Lakes Dam	Randolph County (Unincorporated Areas)
Fork Creek	The confluence with Deep River	Approximately 2.3 miles upstream of confluence of Fork Creek Tributary 1	Randolph County (Unincorporated Areas)
Fork Creek Tributary 1	The confluence with Fork Creek	Approximately 400 feet upstream of Seagrove Plank Road	Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Fork Creek Tributary 2	The confluence with Fork Creek Tributary 1	Approximately 2.0 miles upstream of Angel Fire Trail	Randolph County (Unincorporated Areas)
Fork Creek Tributary 3	The confluence with Fork Creek Tributary 1	Approximately 1.6 miles upstream of confluence with Fork Creek Tributary 1	Town of Seagrove, Randolph County (Unincorporated Areas)
Gabriels Creek	The confluence with Deep River	Approximately 480 feet upstream of Green Valley Road	City of Asheboro, Randolph County (Unincorporated Areas)
Gabriels Creek Tributary 1	The confluence with Gabriels Creek	Approximately 0.4 mile upstream of Old Cedar Falls Road	City of Asheboro, Randolph County (Unincorporated Areas)
Gabriels Creek Tributary 2	The confluence with Gabriels Creek	Approximately 0.7 mile upstream of Henley Country Road	City of Asheboro, Randolph County (Unincorporated Areas)
Hannahs Creek	The confluence with Uwharrie River	Approximately 0.6 mile upstream of the confluence of Robbins Branch	Randolph County (Unincorporated Areas)
Hasketts Creek	Approximately 400 feet downstream of confluence of Hasketts Creek Tributary 2	Approximately 1,270 feet upstream of West Presnell Street	City of Asheboro, Randolph County (Unincorporated Areas)
Hasketts Creek Tributary 1	Northwood Drive	Approximately 420 feet upstream of McKnight Street	City of Asheboro
Hasketts Creek Tributary 2	The confluence with Hasketts Creek	Approximately 50 feet upstream of Railroad Street	City of Asheboro
Jackson Creek	The confluence with Uwharrie River	Approximately 0.7 mile upstream of Jackson Creek Road (SR 1314)	Randolph County (Unincorporated Areas)
Kings Creek	The confluence with Little River	Approximately 1.4 miles upstream of the confluence with Little River	Randolph County (Unincorporated Areas)
Lakes Creek	The confluence with Uwharrie River	Approximately 0.4 mile upstream of the confluence with Uwharrie River	Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Lambert Creek	The confluence with Fork Creek	Approximately 0.7 mile upstream of confluence with Fork Creek	Randolph County (Unincorporated Areas)
Laniers Creek	The confluence with Uwharrie River	Approximately 150 feet downstream of Farm Road (SR 1262)	Randolph County (Unincorporated Areas)
Little Brush Creek	The confluence with Brush Creek	The Randolph/Chatham boundary	Randolph County (Unincorporated Areas)
Little Caraway Creek	The confluence with Caraway Creek	Approximately 1.9 miles upstream of the confluence of Little Caraway Creek Tributary 1	Randolph County (Unincorporated Areas)
Little Caraway Creek Tributary 1	The confluence with Little Caraway Creek	Approximately 0.9 mile upstream of the confluence with Little Caraway Creek	Randolph County (Unincorporated Areas)
Little River	The Randolph/Montgomery County boundary	Approximately 0.5 mile upstream of Southmont Drive (SR 1145)	Randolph County (Unincorporated Areas)
Little River Tributary 2	The confluence with Little River	Approximately 0.5 mile upstream of the confluence with Little River	Randolph County (Unincorporated Areas)
Little River Tributary 3	The confluence with Little River	Approximately 0.5 mile upstream of the confluence with Little River	Randolph County (Unincorporated Areas)
Little River Tributary 4	The confluence with Little River	Approximately 1,210 feet upstream of the confluence with Little River	Randolph County (Unincorporated Areas)
Little River Tributary 5	The confluence with Little River	Approximately 1,825 feet upstream of NC Highway 134	Randolph County (Unincorporated Areas)
Little River Tributary 6	The confluence with Little River	Approximately 1,415 feet upstream of the confluence with Little River	Randolph County (Unincorporated Areas)
Little River Tributary 7	The confluence with Little River	Approximately 1,190 feet upstream of the confluence with Little River	Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Little River Tributary 8	The confluence with Little River	Approximately 1,870 feet upstream of the confluence with Little River	Randolph County (Unincorporated Areas)
Little River Tributary 9	The confluence with Little River	Approximately 1,375 feet upstream of the confluence with Little River	Randolph County (Unincorporated Areas)
Little River Tributary 10	The confluence with Little River	Approximately 1,645 feet upstream of the confluence with Little River	Randolph County (Unincorporated Areas)
Little River Tributary 11	The confluence with Little River	Approximately 1,340 feet upstream of the confluence with Little River	Randolph County (Unincorporated Areas)
Little River Tributary 12	The confluence with Little River	Approximately 230 feet upstream of US 220	Randolph County (Unincorporated Areas)
Little Uwharrie River	The confluence with Uwharrie River	Approximately 120 feet upstream of the confluence of Brier Creek	Randolph County (Unincorporated Areas)
Little Uwharrie River Tributary 1	The confluence with Little Uwharrie River	Approximately 0.4 mile upstream of the confluence with Little Uwharrie River	Randolph County (Unincorporated Areas)
Little Uwharrie River Tributary 4	The confluence with Little Uwharrie River	Approximately 880 feet upstream of Courtland Drive (SR 3253)	Randolph County (Unincorporated Areas)
Little Uwharrie River Tributary 5	The confluence with Little Uwharrie River	Approximately 90 feet upstream of Refuge Church Drive	Randolph County (Unincorporated Areas)
Little Uwharrie River Tributary 6	The confluence with Little Uwharrie River	Approximately 0.7 mile upstream of the confluence with Little Uwharrie River	Randolph County (Unincorporated Areas)
Little Uwharrie River Tributary 6A	The confluence with Little Uwharrie River Tributary 6	Approximately 0.5 mile upstream of the confluence with Little Uwharrie River Tributary 6	Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Little Uwharrie River Tributary 7	The confluence with Little Uwharrie River	Approximately 1,220 feet upstream of Finch Farm Road (SR 1547)	City of Trinity, Randolph County (Unincorporated Areas)
Little Uwharrie River Tributary 8	The confluence with Little Uwharrie River	Approximately 1.0 mile upstream of the confluence with Little Uwharrie River	City of Trinity, Randolph County (Unincorporated Areas)
Little Uwharrie River Tributary 8A	The confluence with Little Uwharrie River Tributary 8	Approximately 0.6 mile upstream of the confluence with Little Uwharrie River Tributary 8	City of Trinity, Randolph County (Unincorporated Areas)
Little Uwharrie River Tributary 10	The confluence with Little Uwharrie River	The Davidson/Randolph County boundary	City of Trinity, Randolph County (Unincorporated Areas)
Little Uwharrie River Tributary 10A	The confluence with Little Uwharrie River Tributary 10	Approximately 0.7 mile upstream of the confluence with Little Uwharrie River Tributary 10	City of Trinity, Randolph County (Unincorporated Areas)
Little Uwharrie River Tributary 11	The confluence with Little Uwharrie River	The Davidson/Randolph County boundary	City of Trinity
Little Uwharrie River Tributary 11A	The confluence with Little Uwharrie River Tributary 11	The Davidson/Randolph County boundary	City of Trinity
Mile Branch Tributary 1	Approximately 950 feet upstream of the confluence with Mile Branch	Approximately 1,500 feet upstream of the confluence of Mile Branch Tributary 2	City of Archdale
Mile Branch Tributary 2	At the confluence with Mile Branch Tributary 1	Approximately 1,745 feet upstream of confluence with Mile Branch Tributary 1	City of Archdale
Mill Creek (into Uwharrie River)	The confluence with Uwharrie River	Approximately 390 feet upstream of Lassiter Mill Road (SR 1107)	Randolph County (Unincorporated Areas)
Mill Creek (into Deep River)	Approximately 1.0 mile upstream of Iron Mountain View Road	Approximately 1.0 mile upstream of Iron Mountain Road	Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Mill Creek Tributary 1	The confluence with Mill Creek (into Deep River)	Approximately 0.3 mile upstream of Woods Stream Lane	Randolph County (Unincorporated Areas)
Mill Creek Tributary 2	The confluence with Mill Creek (into Deep River)	Approximately 0.8 mile upstream of confluence of Mill Creek Tributary 3	Randolph County (Unincorporated Areas)
Mill Creek Tributary 3	The confluence with Mill Creek Tributary 2	Approximately 0.5 mile upstream of Dam	Randolph County (Unincorporated Areas)
Mill Creek Tributary 4	The confluence with Mill Creek (into Uwharrie River)	Approximately 0.9 mile upstream of Creekway Ridge	Randolph County (Unincorporated Areas)
Millstone Creek	The confluence with Deep River	Approximately 0.4 mile upstream of Lee Layne Road	Randolph County (Unincorporated Areas)
Mount Pleasant Creek	The confluence with Sandy Creek	Approximately 0.7 mile upstream of Land Estates Drive	Randolph County (Unincorporated Areas)
Muddy Creek	The confluence with Deep River	Approximately 0.5 mile upstream of confluence of Taylor Branch	Randolph County (Unincorporated Areas)
Muddy Creek East Tributary	Approximately 210 feet upstream of Liberty Road	Just upstream of Baker Road	City of Archdale
Muddy Creek East Tributary 2	The confluence with Muddy Creek East Tributary	Approximately 450 feet upstream of Interstate 85	City of Archdale
Muddy Creek East Tributary 3	The confluence with Muddy Creek East Tributary 2	Approximately 1,500 feet upstream of Interstate 85	City of Archdale
Muddy Creek East Tributary 4	The confluence with Muddy Creek East Tributary	Just upstream of Ashland Street	City of Archdale
Muddy Creek East Tributary 5	The confluence with Muddy Creek East Tributary 4	Approximately 1,200 feet upstream of the Randolph/Guilford County boundary	City of Archdale
Muddy Creek East Tributary 6	The confluence with Muddy Creek East Tributary 4	Approximately 1,050 feet upstream of Liberty Road	City of Archdale
Muddy Creek Tributary	The confluence with Muddy Creek	Approximately 0.7 mile upstream of Walnut Tree Lane	Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Nanny Branch	The confluence with Laniers Creek	Approximately 1,275 feet upstream of the confluence with Laniers Creek	Randolph County (Unincorporated Areas)
Narrows Branch	The confluence with Uwharrie River	Approximately 0.4 mile upstream of the confluence with Uwharrie River	Randolph County (Unincorporated Areas)
North Prong Creek	The Randolph/Alamance County boundary	Approximately 1,210 feet upstream of Unnamed Road	Town of Liberty
North Prong Richland Creek	The confluence with Richland Creek	Approximately 1,430 feet upstream of Staleys Farm Road	Randolph County (Unincorporated Areas)
North Prong Richland Creek Tributary	The confluence with North Prong Richland Creek	Approximately 370 feet upstream of Tall Pine Street	Randolph County (Unincorporated Areas)
North Prong Rocky River	The Randolph/Alamance County boundary	Approximately 210 feet upstream of South Cook Street	Town of Liberty
Penwood Branch	Approximately 1,320 feet downstream of East Presnell Street	Approximately 1,690 feet upstream of Glenwood Road	City of Asheboro
Polecat Creek Tributary 4	Approximately 260 feet downstream of confluence of Polecat Creek Tributary 5	The Randolph/Guilford County boundary	Randolph County (Unincorporated Areas)
Reed Creek (into Little River)	The confluence with Little River	Approximately 0.8 miles upstream of Burney Road (SR 1127)	Randolph County (Unincorporated Areas)
Reed Creek (into Deep River)	The confluence with Deep River	Approximately 0.9 mile upstream of Wright Country Road	Town of Ramseur, Randolph County (Unincorporated Areas)
Reed Creek Tributary 1	The confluence with Reed Creek (into Deep River)	Approximately 0.8 mile upstream of confluence with Reed Creek (into Deep River	Randolph County (Unincorporated Areas)
Reed Creek Tributary 2	The confluence with Reed Creek (into Deep River)	Approximately 0.4 mile upstream of US Highway 64	Randolph County (Unincorporated Areas)
Reedy Creek	The confluence with Little River	Approximately 1,870 feet upstream of the confluence with Little River	Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Reedy Fork	The confluence with Brush Creek	The Randolph/Chatham County boundary	Randolph County (Unincorporated Areas)
Richland Creek (lower)	The confluence with Deep River	Approximately 950 feet upstream of Old NC Highway 13	Randolph County (Unincorporated Areas)
Richland Creek (upper)	Approximately 260 feet downstream of confluence of Vestal Creek	The confluence of North and South Prong Richland Creek	Randolph County (Unincorporated Areas)
Robbins Branch	The confluence with Hannahs Creek	Approximately 1,345 feet upstream of the confluence with Hannahs Creek	Randolph County (Unincorporated Areas)
Rocky River	The Randolph/Chatham County boundary	Approximately 0.4 mile upstream of Dam	Town of Liberty, Randolph County (Unincorporated Areas)
Rocky River Tributary 2	The confluence with Rocky River	Approximately 1.3 miles upstream of Overman Road Dam	Town of Liberty, Randolph County (Unincorporated Areas)
Rocky River Tributary 3	The confluence with Rocky River	Approximately 790 feet upstream of Old US 421	Town of Liberty, Randolph County (Unincorporated Areas)
Rocky River Tributary 4	The confluence with Rocky River	Approximately 1,000 feet upstream of Dam	Town of Liberty
Sand Branch	The confluence with Laniers Creek	Approximately 1,490 feet upstream of the confluence with Laniers Creek	Randolph County (Unincorporated Areas)
Sandy Creek	The confluence with Deep River	Approximately 0.3 mile upstream of confluence with Sandy Creek Tributary 11	Town of Franklinville, Randolph County (Unincorporated Areas)
Sandy Creek Tributary 1	The confluence with Sandy Creek	Approximately 1.2 miles upstream of confluence with Sandy Creek	Randolph County (Unincorporated Areas)
Sandy Creek Tributary 2	The confluence with Sandy Creek	Approximately 2.0 miles upstream of US HWY 421	Town of Liberty, Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Sandy Creek Tributary 3	The confluence with Sandy Creek	Approximately 1.8 miles upstream of York Martin Road	Town of Liberty, Randolph County (Unincorporated Areas)
Sandy Creek Tributary 4	The confluence with Sandy Creek Tributary 3	Approximately 1.2 miles upstream of confluence of Sandy Creek Tributary 3	Randolph County (Unincorporated Areas)
Sandy Creek Tributary 5	The confluence with Sandy Creek Tributary 3	Approximately 1.5 miles upstream of Bunton Swaim Road	Town of Liberty, Randolph County (Unincorporated Areas)
Sandy Creek Tributary 6	The confluence with Sandy Creek Tributary 5	Approximately 1,320 feet upstream of Dam	Town of Liberty, Randolph County (Unincorporated Areas)
Sandy Creek Tributary 7	The confluence with Sandy Creek	Approximately 1.7 miles upstream of Starmount Road	Randolph County (Unincorporated Areas)
Sandy Creek Tributary 8	The confluence with Sandy Creek	Approximately 2.2 miles upstream of Randolph Church Road	Randolph County (Unincorporated Areas)
Sandy Creek Tributary 9	The confluence with Sandy Creek	Approximately 1.4 miles upstream of Hollow Hill Road	Randolph County (Unincorporated Areas)
Sandy Creek Tributary 10	The confluence with Sandy Creek	Approximately 0.3 mile upstream of Greeson Country Road	Randolph County (Unincorporated Areas)
Sandy Creek Tributary 11	The confluence with Sandy Creek	Approximately 900 feet upstream of confluence with Sandy Creek	Randolph County (Unincorporated Areas)
Second Creek	The confluence with Uwharrie River	Approximately 0.8 mile upstream of the confluence of Second Creek Tributary 3	Randolph County (Unincorporated Areas)
Second Creek Tributary 1	The confluence with Second Creek	Approximately 1,530 feet upstream of the confluence with Second Creek	Randolph County (Unincorporated Areas)
Second Creek Tributary 2	The confluence with Second Creek	Approximately 0.5 mile upstream of confluence with Second Creek	Randolph County (Unincorporated Areas)
Second Creek Tributary 2A	The confluence with Second Creek Tributary 2	Approximately 1,900 feet upstream of Salem Church Road (SR 1304)	Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Second Creek Tributary 3	The confluence with Second Creek	Approximately 0.2 mile upstream of Bombay School Road (SR 1178)	Randolph County (Unincorporated Areas)
Silver Run Creek	The confluence with Uwharrie River	Approximately 275 feet upstream of Lassiter Mill Road (SR 1107)	Randolph County (Unincorporated Areas)
Simmons Branch	The confluence with Deep River	Approximately 0.3 mile upstream of Old Walker Mill Road Ext	City of Randleman, Randolph County (Unincorporated Areas)
South Fork Jackson Creek	The confluence with Jackson Creek	Approximately 1.4 miles upstream of the confluence with Jackson Creek	Randolph County (Unincorporated Areas)
South Prong Little River	The confluence with Little River	Approximately 0.5 mile upstream of the confluence with Little River	Randolph County (Unincorporated Areas)
South Prong Richland Creek	The confluence with Richland Creek	Approximately 0.5 mile upstream of Ross Harris Road	Randolph County (Unincorporated Areas)
South Prong Stinking Quarter Creek	The Randolph/Guilford County boundary	Approximately 0.5 mile upstream of Redbud Lane	Town of Liberty, Randolph County (Unincorporated Areas)
Stinking Quarter Creek Tributary 3	The Randolph/Guilford County boundary	Approximately 1.0 mile upstream of Richland Church Road	Randolph County (Unincorporated Areas)
Taylor Branch	The confluence with Muddy Creek	Approximately 1,110 feet upstream of Tuttle Road	Randolph County (Unincorporated Areas)
Toms Creek	The confluence with Uwharrie River	Approximately 1.3 miles upstream of Richey Road (SR 1306)	Randolph County (Unincorporated Areas)
Twomile Branch	The confluence with Second Creek	Approximately 1,990 feet upstream of the confluence with Second Creek	Randolph County (Unincorporated Areas)
Twomile Creek	The confluence with Uwharrie River	Approximately 1,970 feet upstream of the confluence with Uwharrie River	Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Uwharrie River (Downstream)	The Montgomery/Randolph County boundary	Approximately 140 feet downstream of Uwharrie River Tributary 9	City of Asheboro, City of Trinity, Randolph County (Unincorporated Areas)
Uwharrie River (Upstream)	Approximately 350 feet downstream of Mendenhall Road	Approximately 130 feet upstream of Old Mendenhall Road (SR 1616)	City of Trinity, Randolph County (Unincorporated Areas)
Uwharrie River Tributary 1	The confluence with Uwharrie River	Approximately 1,050 feet upstream of the confluence with Uwharrie River	Randolph County (Unincorporated Areas)
Uwharrie River Tributary 2	The confluence with Uwharrie River	Approximately 0.6 mile upstream of the confluence with Uwharrie River	Randolph County (Unincorporated Areas)
Uwharrie River Tributary 3	The confluence with Uwharrie River	Approximately 1,890 feet upstream of the confluence with Uwharrie River	Randolph County (Unincorporated Areas)
Uwharrie River Tributary 4	The confluence with Uwharrie River	Approximately 0.7 mile upstream of the confluence with Uwharrie River	Randolph County (Unincorporated Areas)
Uwharrie River Tributary 5	The confluence with Uwharrie River	Approximately 1,660 feet upstream of Garren Town Road (SR 1332)	Randolph County (Unincorporated Areas)
Uwharrie River Tributary 6	The confluence with Uwharrie River	Approximately 335 feet upstream of Skeens Mill Road (SR 1550)	Randolph County (Unincorporated Areas)
Uwharrie River Tributary 7	The confluence with Uwharrie River	Approximately 0.4 mile upstream of Sumner Road (SR 1546)	Randolph County (Unincorporated Areas)
Uwharrie River Tributary 8	The confluence with Uwharrie River	Approximately 190 feet upstream of Alexandria Drive	Randolph County (Unincorporated Areas)
Uwharrie River Tributary 8A	The confluence with Uwharrie River Tributary 8	Approximately 0.8 mile upstream of the confluence with Uwharrie River Tributary 8	City of Archdale, Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
Uwharrie River Tributary 9	The confluence with Uwharrie River	Approximately 0.9 mile upstream of Red Fox Road	City of Trinity, Randolph County (Unincorporated Areas)
Vestal Creek	The confluence with Richland Creek	The confluence of Vestal Creek Tributary 3	City of Asheboro, Randolph County (Unincorporated Areas)
Vestal Creek Tributary 3	The confluence of Vestal Creek Tributary 2	Approximately 0.7 mile upstream of Browers Chapel Road	City of Asheboro
Wagners Branch	The confluence with Little River	Approximately 290 feet upstream of Borough Avenue	Randolph County (Unincorporated Areas)
Walkers Creek	The confluence with Uwharrie River	Approximately 1,775 feet upstream of the confluence with Uwharrie River	Randolph County (Unincorporated Areas)
Wesley Dean Branch	The confluence with Little River	Approximately 0.8 mile upstream of the confluence with Little River	Randolph County (Unincorporated Areas)
West Fork Little River	The Randolph/Montgomery County boundary	Approximately 850 feet upstream of Mt. Lebanon Road (SR 1111)	Randolph County (Unincorporated Areas)
West Fork Little River Tributary 1	The confluence with West Fork Little River	Approximately 0.4 mile upstream of the confluence with West Fork Little River	Randolph County (Unincorporated Areas)
West Fork Little River Tributary 2	The confluence with West Fork Little River	Approximately 1,620 feet upstream of the confluence with West Fork Little River	Randolph County (Unincorporated Areas)
West Fork Little River Tributary 3	The confluence with West Fork Little River	Approximately 1,320 feet upstream of the confluence with West Fork Little River	Randolph County (Unincorporated Areas)
West Fork Little River Tributary 4	The confluence with West Fork Little River	Approximately 1,335 feet upstream of the confluence with West Fork Little River	Randolph County (Unincorporated Areas)

Table 7—Flooding Sources Studied by Detailed Methods: Limited Detailed

Source	Riverine Sources		Affected Communities
	From	To	
West Fork Little River Tributary 5	The confluence with West Fork Little River	Approximately 1,010 feet upstream of the confluence with West Fork Little River	Randolph County (Unincorporated Areas)

Section 5.0 – Engineering Methods

For the flooding sources studied in detail in the county, standard hydrologic and hydraulic methods were used to determine the flood hazard data required for this FIS.

5.1 Hydrologic Analyses

Hydrologic analyses were carried out to establish the peak discharge-frequency relationship for each flooding source studied in detail affecting the county.

Pre-Countywide Analyses

Each jurisdiction within Randolph County, with the exceptions of the Town of Franklinville, the Town of Liberty, the Town of Ramseur, the City of Randleman, the Town of Seagrove, and the City of Trinity, had previously printed FIS Reports describing each community's hydrologic analyses. Those analyses have been compiled from the FIS Reports and are summarized below. These analyses remain valid for those flooding sources listed in Table 6, "Flooding Sources Studied by Detailed Methods: Redelineated."

Because no onsite gage data were available for each flooding source studied in detail in Randolph County (Unincorporated Areas), the City of Archdale, and the City of Asheboro, the log-Pearson Type III method, as recommended by the U.S. Water Resources Council, was not directly applicable (U.S. Water Resources Council, 1977). However, offsite gage data in the vicinity of the study area were available for use in projecting onsite peak-flow frequency information for each flooding source. Two independent methods of projection were developed for the determination of flood discharges on Richland and Muddy Creeks.

In the first method, regional formulas for the Piedmont province of North Carolina were used in conjunction with the floodflow frequency information obtained from offiste gage data in the vicinity of the study area to develop a drainage area-unit discharge (discharge per unit acre) relationship for each flooding source (U.S. Department of the Interior, 1976).

In the second method, synthetic values of the three statistical parameters were used to define a synthetic log-Pearson Type III curve for each flooding source. As functions of the drainage area, these statistical parameters were developed from eight offsite gage stations in the surrounding area developed by the U.S. Geological Survey (Federal Insurance Administration, et. al., 1978).

Estimated values of flow-frequency curves from the above two methods were weighted to arrive at final flows of the 10%, 2%, and 1% annual chance floods for each flooding source. The 0.2% annual chance flood peak flows were obtained by plotting the 10%, 2% and 1% annual chance flood peak flows on log-probability paper and extrapolating to the 0.2% annual chance flood frequency.

Revised Analyses for Countywide FIS

The hydrologic analyses for the Cape Fear River basin, except for flooding sources with stream gages, were performed using the urban and rural regression equations developed by the USGS. The urban equations were published in "Estimation of Flood-Frequency Characteristics of Small Urban Streams in North Carolina," Water Resources Investigations Report 96-4084 (U.S. Department of the Interior, 1996). The rural equations were published in "Estimating the Magnitude and Frequency of Floods in Rural Basins in North Carolina, - Revised," Water Resources Investigations Report 01-4207 (U.S. Department of the Interior, 2001). Regression equations are mathematical formulas that relate the flow in the stream to physical factors such as the area of the basin and the percentage of the surface that is impervious (paved). A number of

basins for the detailed and limited detailed study streams in the Cape Fear portion of Randolph County, such as the City of Asheboro and the City of Randleman, contained sufficient urbanization to require application of the USGS North Carolina urban equations. Percents imperviousness for these basins were estimated using a combination of digital orthophotographic data and street centerline data. Regression equations are developed by fitting a line through the center of the points on a graph that compares flood flows to basin area. The results reflect the "statistical average" of the data. If a gage station is located on the stream being studied, data from that station can be used to adjust the regression results to more accurately estimate the flood flow. There are three separate regional regression equations that cover North Carolina. Randolph County is located in the hydrologic regions known as the Piedmont region and Coastal Plain region. The regression equation was used to estimate the 1% annual chance flow for the streams in Randolph County. Analyses of historical high-water marks obtained from interviews of county residents were used to confirm the accuracy of the regression equation estimates. The basin delineations and drainage areas were determined using a 50' x 50' grid size digital elevation model (DEM) generated from the Light Detection and Ranging (LIDAR) data collected and processed as part of the study.

A number of basins for the detail and limited detail study streams in Yadkin River Basin portion of Randolph County contained sufficient urbanization to require application of the USGS North Carolina urban equations. Percents imperviousness for these basins were estimated using a combination of digital orthophotographic data and street centerline data. The recurrence interval discharges presented in this report for streams draining these urbanized basins were computed using the USGS North Carolina urban regression equations for the Piedmont hydrologic region. The recurrence interval discharges for all other streams in Yadkin River Basin portion of Randolph County were determined using the USGS North Carolina rural regression equations for the Piedmont hydrologic area.

There are no active or discontinued USGS stream gages in Yadkin River Basin portion of Randolph County. There is, however, a USGS stream gage on the Uwharrie River in Montgomery County, downstream of Randolph County. Data from this gage was used to adjust and verify discharge estimates on the Uwharrie River in Randolph County.

Drainage areas developed using the 50' x 50' DEM often differ from published values at USGS gage locations. Such differences are usually the result of the difference in resolution of the base terrain data used to delineated drainage boundaries. In North Carolina, published USGS drainage areas have usually been determined by manual delineation using 1:24,000 or 1:62,500 scale topographic maps. Differences between computed and published drainage areas are generally less than 10% for USGS gages. In order to maintain consistency, drainage areas computed from the 50' x 50' DEM were used in all analyses in this study.

A summary of the drainage area-peak discharge relationships for the flooding sources studied by detailed methods is shown in Table 8, "Summary of Discharges."

Table 8—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
Asheworth Branch	Randolph/ Montgomery County Boundary	2.07	*	*	1,174	*
Bachelor Creek	At the confluence with Richland Creek	10.5	*	*	3,242	*
	Approximately 0.5 mile upstream of Little Beane Store Road	10.4	*	*	3,211	*
	Approximately 1,840 feet downstream of Osborn Mill Road	9.4	*	*	3,015	*
	At the confluence of Bachelor Creek Tributary 1	8.8	*	*	2,905	*
	Approximately 940 feet downstream of Woodfern Road	7.9	*	*	2,706	*
	At the confluence of Bachelor Creek Tributary 2	6.9	*	*	2,497	*
	At the confluence of Bachelor Creek Tributary 3	6.0	*	*	2,291	*
	Approximately 0.6 mile downstream of Bachelor Creek Road	5.7	*	*	2,201	*
	Approximately 0.5 mile upstream of Bachelor Creek Road	4.8	*	*	1,976	*
	Approximately 0.9 mile downstream of Old NC Hwy 13	3.8	*	*	1,706	*
	Approximately 0.4 mile upstream of Fairview Farm Road	2.8	*	*	1,411	*
	At the confluence of Bachelor Creek Tributary 4	1.9	*	*	1,106	*
	At the confluence of Bachelor Creek Tributary 5	0.8	*	*	627	*
	Approximately 0.5 mile upstream of Bachelor Creek Tributary 5	0.3	*	*	368	*
Bachelor Creek Tributary 1	At the confluence with Bachelor Creek	0.5	*	*	504	*

Table 8—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
Bachelor Creek Tributary 2	At the confluence with Bachelor Creek	0.8	*	*	643	*
	Approximately 0.5 mile upstream of the confluence with Bachelor Creek	0.6	*	*	544	*
Bachelor Creek Tributary 3	At the confluence with Bachelor Creek	0.7	*	*	579	*
	Approximately 130 feet upstream of Bachelor Creek Road	0.3	*	*	376	*
Bachelor Creek Tributary 4	At the confluence with Bachelor Creek	0.7	*	*	211	*
Bachelor Creek Tributary 5	At the confluence with Bachelor Creek	0.8	*	*	632	*
Back Creek	At the confluence with Caraway Creek	37.9	*	*	7,227	*
	Approximately 0.3 mile upstream of Moore Road	37.0	*	*	7,116	*
	At the confluence of Cable Creek	31.9	*	*	6,487	*
	Approximately 0.5 mile downstream of Stutte Road (SR 1326)	31.5	*	*	6,433	*
	Approximately 0.2 mile upstream of Stutte Road (SR 1326)	31.0	*	*	6,369	*
	Approximately 0.66 mile upstream of Stutte Road (SR 1326)	30.5	*	*	6,307	*
	Approximately 0.14 mile downstream of US Highway 64	28.4	*	*	6,036	*
	Approximately 0.3 mile upstream of US Highway 64	27.2	*	*	5,877	*
	Approximately 0.7 mile downstream of Back Creek Road (SR 1420)	26.5	*	*	5,773	*
	Approximately 0.24 mile downstream of Back Creek Road (SR 1420)	25.3	*	*	5,617	*

Table 8—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
Back Creek (continued)	At the confluence of Cedar Fork Creek	16.0	*	*	4,208	*
	Approximately 0.25 mile upstream of Old Lexington Road (SR 1004)	14.8	*	*	4,012	*
	Approximately 0.58 mile downstream of Lake Lucas Road (SR 1518)	12.1	*	*	3,533	*
	Approximately 0.35 mile upstream of Lake Lucas Road (SR 1518)	9.9	*	*	3,120	*
	Approximately 0.73 mile upstream of Lake Lucas Road (SR 1518)	9.4	*	*	3,018	*
	Approximately 1.17 miles upstream of Lake Lucas Road (SR 1518)	9.0	*	*	2,949	*
	Approximately 0.92 mile downstream of Spero Road (SR 1504)	7.9	*	*	2,709	*
	Approximately 250 feet upstream of Spero Road (SR 1504)	6.0	*	*	2,282	*
	Approximately 500 feet downstream of Pineview Road	5.5	*	*	2,163	*
Back Creek Tributary 1	At the confluence with Back Creek	2.8	*	*	1,423	*
	At the confluence of Back Creek Tributary 1A	1.2	*	*	824	*
Back Creek Tributary 1A	At the confluence with Back Creek Tributary 1	1.3	*	*	878	*
Betty McGees Creek	At the confluence with Uwharrie River	8.2	*	*	2,778	*
	Approximately 0.10 mile downstream of Lassiter Mill Road (SR 1107)	7.7	*	*	2,671	*
	Approximately 1.22 miles upstream of Lassiter Mill Road (SR 1107)	7.2	*	*	2,557	*
	Approximately 1.93 miles upstream of Lassiter Mill Road (SR 1107)	6.7	*	*	2,445	*

Table 8—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
Betty McGees Creek (continued)	Approximately 2.49 miles upstream of Lassiter Mill Road (SR 1107)	6.2	*	*	2,331	*
	Approximately 2.68 miles upstream of Lassiter Mill Road (SR 1107)	5.7	*	*	2,216	*
	Approximately 3.57 miles upstream of Lassiter Mill Road (SR 1107)	5.3	*	*	2,118	*
Big Branch	At the confluence with Little River	2.2	*	*	1,234	*
	Approximately 0.55 mile upstream of the confluence with Little River	2.1	*	*	1,188	*
Blood Run Creek	At the Chatham/Randolph County boundary	7.9	*	*	2,714	*
Boodom Creek	At the confluence with Sandy Creek	4.3	*	*	1,852	*
	At the confluence of Boodom Creek Tributary 1	3.5	*	*	1,637	*
	Approximately 1,110 feet downstream of the confluence of Boodom Creek Tributary 2	3.1	*	*	1,514	*
	At the confluence of Boodom Creek Tributary 2	2.2	*	*	1,210	*
	Approximately 950 feet downstream of Willard Road	1.8	*	*	1,088	*
	Approximately 630 feet upstream of Willard Road	0.7	*	*	586	*
	Approximately 0.7 mile upstream of Willard Road	0.4	*	*	406	*
Boodom Creek Tributary 1	At the confluence with Boodom Creek	0.6	*	*	566	*
	Approximately 1.2 miles upstream of the confluence with Boodom Creek	0.3	*	*	367	*
Boodom Creek Tributary 2	At the confluence of Boodom Creek	0.8	*	*	673	*

Table 8—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
Boodom Creek Tributary 2 (continued)	Approximately 480 feet upstream of US 421	0.3	*	*	376	*
Brier Creek	At the confluence with Little Uwharrie River	26.0	*	*	5,702	*
Brier Creek Tributary 1	At the confluence with Brier Creek	2.8	*	*	1,410	*
	Approximately 0.4 mile downstream of Hughes Grove Road (SR 1400)	2.7	*	*	1,370	*
Brush Creek	At the confluence with Deep River	69.6	*	*	10,559	*
	Approximately 1.0 mile upstream of the confluence with Deep River	69.1	*	*	10,518	*
	Approximately 1.4 miles upstream of the confluence with Deep River	68.1	*	*	10,423	*
	Approximately 0.4 mile downstream of NC Hwy 22/ 42	67.4	*	*	10,349	*
	Approximately 1.0 mile upstream of NC Hwy 22/42	66.6	*	*	10,272	*
	Approximately 1.3 miles upstream of NC Hwy 22/42	62.7	*	*	9,899	*
	At the confluence of Little Brush Creek	42.2	*	*	7,725	*
	Approximately 1,160 feet upstream of Lambeth Mill Road	41.4	*	*	7,637	*
	Approximately 0.8 mile upstream of Lambeth Mill Road	40.1	*	*	7,483	*
	Approximately 1,280 feet upstream of Lanes Mill Road	39.2	*	*	7,373	*
	Approximately 1.0 mile upstream of Lanes Mill Road	38.5	*	*	7,291	*
	Approximately 2.0 miles upstream of Lanes Mill Road	37.5	*	*	7,175	*
	Approximately 0.6 mile downstream of Manor Rock Road	36.8	*	*	7,094	*

Table 8—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
Brush Creek (continued)	Approximately 1,930 feet downstream of Manor Rock Road	35.1	*	*	6,881	*
	Approximately 1,880 feet downstream of the confluence of Reedy Fork	34.5	*	*	6,806	*
	Approximately 1,210 mile downstream of the confluence of Reedy Fork	32.5	*	*	6,558	*
	At the confluence of Reedy Fork	30.7	*	*	6,329	*
	Approximately 0.7 mile upstream of the confluence of Reedy Fork	30.4	*	*	6,298	*
	Approximately 0.8 mile upstream of the confluence of Reedy Fork	27.8	*	*	5,951	*
	At the confluence of Blood Run Creek	19.8	*	*	4,815	*
	Approximately 0.5 mile upstream of Moons Chapel Road	14.5	*	*	3,957	*
	Approximately 950 feet downstream of US Hwy 64E	12.3	*	*	3,580	*
	Approximately 740 feet upstream of US Hwy 64E	12.1	*	*	3,545	*
	Approximately 1,160 feet upstream of US Hwy 64E	10.0	*	*	3,143	*
	Approximately 0.7 mile upstream of US Hwy 64E	9.3	*	*	3,005	*
	At the confluence of Brush Creek Tributary 1	6.2	*	*	2,340	*
	Approximately 0.9 mile upstream of the confluence of Brush Creek Tributary 1	5.9	*	*	2,266	*
	Approximately 1,650 feet downstream of Hicks Farm Road	4.9	*	*	2,019	*

Table 8—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
Brush Creek (continued)	Approximately 0.5 mile upstream of Browns Crossroads Road	3.9	*	*	1,738	*
Brush Creek Tributary 1	At the confluence with Brush Creek	2.2	*	*	1,210	*
	Approximately 720 feet upstream of Hicks Farm Road	1.9	*	*	1,124	*
	Approximately 90 feet upstream of Browns Crossroads Road	1.4	*	*	923	*
Bush Creek	At the confluence with Deep River	13.4	*	*	3,774	*
	Approximately 210 feet upstream of Cedar Falls Road	12.8	*	*	3,674	*
	Approximately 0.4 mile downstream of Carl Allred Road	12.0	*	*	3,528	*
	At the confluence of Bush Creek Tributary	5.6	*	*	2,181	*
	Approximately 0.7 mile downstream of Walker Store Road	5.1	*	*	2,067	*
	Approximately 360 feet upstream of Walker Store Road	4.2	*	*	1,832	*
	Approximately 0.8 mile upstream of Walker Store Road	3.3	*	*	1,578	*
	Approximately 1.4 miles downstream of Old Liberty Road	2.9	*	*	1,446	*
	Approximately 1,470 upstream of Old Liberty Road	2.1	*	*	1,196	*
Bush Creek Tributary	At the confluence with Bush Creek	5.5	*	*	2,153	*
	Approximately 420 feet upstream of Whites Memorial Road	5.0	*	*	2,038	*
	Approximately 0.5 mile upstream of Whites Memorial Road	0.8	*	*	1,549	*
Cable Creek	At the confluence with Back Creek	4.6	*	*	1,924	*
	Approximately 0.46 mile upstream of the confluence with Back Creek	4.3	*	*	1,856	*

Table 8—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
Cable Creek (continued)	Approximately 0.7 mile upstream of the confluence of Back Creek	3.9	*	*	1,755	*
Caraway Creek	At the confluence with Uwharrie River	98.2	*	*	13,096	*
	Approximately 0.66 mile upstream of the confluence with Uwharrie River	97.7	*	*	13,057	*
	Approximately 0.22 mile downstream of the confluence of Taylors Creek	97.2	*	*	13,014	*
	At the confluence of Taylors Creek	86.9	*	*	12,134	*
	Approximately 0.72 mile downstream of SR 1193	86.5	*	*	12,103	*
	Approximately 0.11 mile upstream of SR 1193	86.1	*	*	12,065	*
	Approximately 0.40 mile upstream of SR 1193	85.6	*	*	12,021	*
	Approximately 0.23 mile downstream of Golden Meadow Road	85.1	*	*	11,975	*
	At the confluence of Back Creek	46.6	*	*	8,220	*
	Approximately 0.34 mile upstream of the confluence of Back Creek	46.3	*	*	8,191	*
	Approximately 1.19 miles upstream of the confluence of Back Creek	46.1	*	*	8,167	*
	Approximately 1.48 miles upstream of the confluence of Back Creek	45.7	*	*	8,118	*
	Approximately 1.52 miles downstream of Ridges Mountain Road	45.0	*	*	8,046	*
	Approximately 0.71 mile downstream of Ridges Mountain Road	44.6	*	*	7,998	*

Table 8—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
Caraway Creek (continued)	Approximately 0.56 mile downstream of Ridges Mountain Road	43.4	*	*	7,865	*
	Approximately 10 feet upstream of Ridges Mountain Road	42.6	*	*	7,773	*
	Approximately 0.66 mile downstream of US Highway 64	40.1	*	*	7,484	*
	Approximately 0.15 mile downstream of US Highway 64	39.0	*	*	7,357	*
	Approximately 0.86 mile upstream of US Highway 64	37.9	*	*	7,225	*
	At the confluence of Little Caraway Creek	27.5	*	*	5,905	*
	Approximately 0.32 mile upstream of Jerico Road (SR 1412)	26.5	*	*	5,781	*
	Approximately 1.37 miles upstream of Jerico Road (SR 1412)	25.9	*	*	5,698	*
	Approximately 0.55 mile downstream of Caraway Mountain Road (SR 1004)	25.4	*	*	5,624	*
	Approximately 0.33 mile downstream of Caraway Mountain Road (SR 1004)	24.9	*	*	5,549	*
	Approximately 0.16 mile downstream of Caraway Mountain Road (SR 1004)	24.2	*	*	5,455	*
	Approximately 270 feet upstream of Caraway Mountain Road (SR 1004)	23.1	*	*	5,296	*
	At the confluence of Caraway Creek Tributary 1	17.3	*	*	4,431	*
	Approximately 0.73 mile upstream of the confluence of Caraway Creek Tributary 1	17.2	*	*	4,402	*
	Approximately 1.03 mile downstream of Beckerdite Road (SR 1524)	15.9	*	*	4,202	*

Table 8—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
Caraway Creek (continued)	Approximately 465 feet downstream of Beckerdite Road (SR 1524)	15.4	2,041	3,417	4,115	6,066
	Approximately 70 feet upstream of the confluence of Caraway Creek Tributary 2	10.1	1,548	2,622	3,170	4,712
	Approximately 0.3 miles downstream of Beeson Farm Road (SR 1525)	9.7	1,500	2,543	3,077	4,578
	Approximately 0.3 miles upstream of Beeson Farm Road (SR 1525)	8.6	1,391	2,366	2,866	4,274
	Approximately 0.9 miles upstream of Beeson Farm Road (SR 1525)	8.3	1,351	2,299	2,786	4,159
	Approximately 1.2 miles upstream of Beeson Farm Road (SR 1525)	7.8	1,303	2,222	2,694	4,026
	Approximately 2.4 miles upstream of Beeson Farm Road (SR 1525)	7.3	1,250	2,135	2,590	3,875
	Approximately 0.5 miles downstream of Old Marlboro Road (SR 1858)	5.9	1,077	1,851	2,250	3,382
	Approximately 760 feet upstream of Old Marlboro Road(SR 1858)	5.5	1,034	1,779	2,165	3,257
	Approximately 45 feet upstream of the confluence of Caraway Creek Tributary 3	3.9	828	1,437	1,755	2,658
	Approximately 400 feet upstream of Roy Farlow Road (SR 1534)	3.1	711	1,242	1,520	2,313
	Approximately 476 feet downstream of Creekview Drive (SR 1806)	2.8	665	1,165	1,427	2,176

Table 8—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
Caraway Creek (continued)	Approximately 0.7 miles downstream of Old Glenola Road (SR 1571)	1.5	431	769	948	1,465
	Approximately 544 feet downstream of Old Glenola Road (SR 1571)	1.1	346	623	771	1,199
Caraway Creek Tributary 1	At the confluence with Caraway Creek	5.3	*	*	2,105	*
	Approximately 0.74 mile upstream of the confluence with Caraway Creek	4.9	*	*	2,023	*
	Approximately 1.06 miles downstream of Sawyer Road (SR 1521)	4.5	*	*	1,911	*
	Approximately 0.33 mile downstream of Sawyer Road (SR 1521)	3.0	*	*	1,485	*
	Approximately 0.69 mile upstream of Sawyer Road (SR 1521)	2.5	*	*	1,336	*
Caraway Creek Tributary 2	At the confluence with Caraway Creek	5.1	*	*	2,066	*
	Approximately 0.13 mile upstream of the confluence with Caraway Creek	4.4	*	*	1,885	*
	Approximately 0.51 mile downstream of Beeson Farm Road (SR 1525)	2.9	*	*	1,449	*
Caraway Creek Tributary 3	At the confluence with Caraway Creek	1.1	*	*	777	*
	Approximately 0.23 mile upstream of the confluence with Caraway Creek	1.0	*	*	746	*
Cedar Fork Creek	At the confluence with Back Creek	8.8	1,647	2,718	3,081	4,592
	Approximately 0.7 mile upstream of the confluence with Back Creek	8.3	1,632	2,683	3,036	4,531

Table 8—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
Cedar Fork Creek (continued)	Approximately 0.2 mile downstream of Little Lake Trail	5.3	1,390	2,268	2,552	3,348
	At the confluence of Long Branch	3.7	1,318	2,100	2,340	2,999
	Approximately 0.9 mile upstream of Cedar Creek Drive	3.3	1,300	2,058	2,287	2,912
	Approximately 1.4 miles upstream of Chamberlin Drive	2.4	1,194	1,865	2,057	2,577
	Approximately 0.7 mile downstream of US Highway 220	1.5	893	1,426	1,579	1,997
	Approximately 120 feet downstream of US Highway 220	1.3	835	1,336	1,479	1,868
	Approximately 0.1 mile upstream of East Street	0.8	634	1,027	1,137	1,438
	Approximately 200 feet downstream of South Church Street	0.3	317	541	604	779
Deep River	Approximately 1,160 feet upstream of Randolph/Moore County boundary	627.0	*	*	41,731	*
	At the confluence of Fork Creek	577.2	*	*	39,628	*
	Approximately 0.8 mile upstream of the confluence of Fork Creek	577.0	*	*	39,616	*
	Approximately 1.6 miles upstream of the confluence of Fork Creek	576.0	*	*	39,574	*
	Approximately 1.9 miles upstream of the confluence of Fork Creek	573.8	*	*	39,480	*
	Approximately 0.4 mile downstream of Bennett Road	572.7	*	*	39,435	*
	Approximately 0.2 mile upstream of Bennett Road	557.7	*	*	38,783	*
	Approximately 1.0 mile upstream of Bennett Road	557.1	*	*	38,758	*

Table 8—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
Deep River (continued)	Approximately 1.4 miles upstream of Bennett Road	556.1	*	*	38,715	*
	Approximately 1.7 miles upstream of Bennett Road	554.4	*	*	38,642	*
	Approximately 1.6 miles downstream of the confluence of Brush Creek	549.5	*	*	38,427	*
	Approximately 1.2 miles downstream of the confluence of Brush Creek	549.4	*	*	38,421	*
	At the confluence of Brush Creek	478.8	*	*	37,235	*
	Approximately 1,580 feet upstream of the confluence of Brush Creek	478.3	*	*	37,229	*
	At the confluence of Richland Creek	411.6	*	*	36,160	*
	Approximately 0.5 mile upstream of the confluence of Richland Creek	411.2	*	*	36,152	*
	Approximately 0.9 mile upstream of the confluence of Richland Creek	410.3	*	*	36,134	*
	Approximately 1.3 miles upstream of the confluence of Richland Creek	409.4	*	*	36,115	*
	Approximately 1.5 miles upstream of the confluence of Richland Creek	408.3	*	*	36,091	*
	Approximately 0.6 mile downstream of NC Hwy 42	407.8	*	*	36,080	*
	Approximately 1,760 feet upstream of NC Hwy 42	407.0	*	*	36,063	*
	Approximately 0.5 mile upstream of NC Hwy 42	403.7	*	*	35,990	*
	Approximately 0.9 mile upstream of NC Hwy 42	401.2	*	*	35,936	*

Table 8—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
Deep River (continued)	Approximately 0.9 mile downstream of Hinshaw Town Road	400.8	*	*	35,927	*
	Approximately 0.6 mile downstream of Hinshaw Town Road	398.1	*	*	35,864	*
	At the confluence of Millstone Creek	387.0	*	*	35,600	*
	At the confluence of Mill Creek (into Deep River)	368.8	*	*	35,120	*
	Approximately 0.8 mile upstream of the confluence of Mill Creek (into Deep River)	368.2	*	*	35,106	*
	Approximately 1.4 miles upstream of the confluence of Mill Creek (into Deep River)	367.3	*	*	35,078	*
	Approximately 2.0 miles downstream of Brooklyn Avenue	356.5	20,900	30,300	34,800	45,900
	Approximately 1.5 miles downstream of Brooklyn Avenue	355.9	20,900	30,300	34,700	45,900
	Approximately 0.5 mile downstream of Brooklyn Avenue	355.0	20,900	30,300	34,700	45,800
	Approximately 0.6 mile downstream of U.S. Highway 64	348.9	20,500	29,800	34,200	45,200
	Approximately 0.7 mile upstream of U.S. Highway 64	287.7	16,700	24,800	28,600	38,600
	Approximately 20 feet upstream of Grayson Bird Road	285.4	16,500	24,600	28,400	38,300
	Approximately 270 feet upstream of West Main Street	283.1	16,400	24,400	28,200	38,100
	Approximately 1,220 feet upstream of West Main Street	269.4	15,600	23,300	27,000	36,600
	Approximately 0.6 miles downstream of Loflin Pond Road	268.3	15,500	23,200	26,900	36,500

Table 8—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
Deep River (continued)	Approximately 1,180 feet downstream of Loflin Pond Road	267.3	15,500	23,200	26,800	36,400
	Approximately 1,930 feet upstream of Loflin Pond Road	266.4	15,400	23,100	26,700	36,300
	Approximately 0.8 mile upstream of Loflin Pond Road	264.1	15,300	22,900	26,500	36,100
	Approximately 500 feet downstream of Franklin Road	257.1	14,800	22,300	25,900	35,300
	Approximately 1,910 feet upstream of Franklin Road	255.7	14,800	22,200	25,800	35,200
	Approximately 0.4 mile downstream of Old Liberty Road	255.5	14,700	22,200	25,800	35,100
	Approximately 1,060 feet downstream of Old Liberty Road	254.5	14,700	22,100	25,700	35,000
	Approximately 1,800 feet upstream of Old Liberty Road	253.6	14,600	22,100	25,600	34,900
	Approximately 60 feet upstream of the confluence of Hasketts Creek	241.1	*	*	24,500	*
	Approximately 0.8 mile upstream of the confluence of Hasketts Creek	239.8	*	*	24,400	*
	Approximately 1.1 miles upstream of the confluence of Hasketts Creek	238.9	*	*	24,300	*
	Approximately 1.7 miles upstream of the confluence of Hasketts Creek	236.3	*	*	24,100	*
	Approximately 1,360 feet upstream of Worthville Road	179.0	*	*	19,900	*
	Approximately 0.4 mile upstream of Worthville Road	178.9	*	*	19,800	*
	Approximately 1,340 feet upstream of East Naomi Street	177.0	*	*	19,700	*

Table 8—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
Deep River (continued)	Approximately 1,010 feet upstream of North Main Street	174.0	*	*	19,500	*
	Approximately 1.4 miles upstream of North Main Street	172.6	*	*	19,400	*
	Approximately 1.1 miles downstream of Walker Mill Road	167.9	*	*	19,100	*
	Approximately 1,570 feet downstream of Walker Mill Road	165.8	*	*	18,900	*
	Approximately 570 feet downstream of Walker Mill Road	138.2	*	*	16,900	*
	Approximately 0.6 mile upstream of Walker Mill Road	137.1	*	*	16,800	*
	Approximately 2.2 miles upstream of Walker Mill Road	135.6	*	*	16,700	*
	Approximately 3.4 miles upstream of Walker Mill Road	133.1	*	*	16,600	*
	Approximately 1.9 miles downstream of Coltrane Mill Road	132.8	*	*	16,500	*
	Approximately 1.2 miles downstream of Coltrane Mill Road	126.6	*	*	16,100	*
	Approximately 1,020 feet downstream of Coltrane Mill Road	124.8	*	*	16,000	*
	Approximately 0.5 mile upstream of Coltrane Mill Road	123.9	*	*	15,900	*
Deep River Tributary 15	At the confluence with Deep River	0.6	*	*	760	*
	Approximately 160 feet downstream of Oak Drive	0.3	*	*	468	*
Deep River Tributary 16	At the confluence with Deep River	4.7	*	*	1,958	*
	Approximately 690 feet upstream of NC 22 North	4.5	*	*	1,917	*
	Approximately 1,170 feet upstream of NC 22 North	1.9	*	*	1,123	*

Table 8—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
Deep River Tributary 16 (continued)	Approximately 600 feet upstream of dam	1.1	*	*	772	*
Deep River Tributary 17	At the confluence with Deep River	1.9	*	*	1,126	*
	Approximately 160 feet upstream of US Hwy 64	1.2	*	*	834	*
Deep River Tributary 18	At the confluence with Deep River	1.3	*	*	889	*
	At the confluence of Deep River Tributary 19	0.5	*	*	475	*
	Approximately 500 feet upstream of Depot Street	0.2	*	*	281	*
Deep River Tributary 19	At the confluence with Deep River Tributary 18	0.8	*	*	649	*
	Approximately 890 feet upstream of Clark Avenue	0.3	*	*	383	*
Deep River Tributary 20	At the confluence with Deep River	0.5	*	*	460	*
	Approximately 50 feet downstream of Worthville Street	0.2	*	*	297	*
Deep River Tributary 21	At the confluence with Deep River	2.3	*	*	1,240	*
	At the confluence of Deep River Tributary 22	0.7	*	*	733	*
	Approximately 950 feet upstream of Sunset Drive	0.3	*	*	412	*
Deep River Tributary 22	At the confluence with Deep River Tributary 21	1.5	*	*	948	*
	At the confluence of Deep River Tributary 23	0.5	*	*	476	*
Deep River Tributary 23	At the confluence with Deep River Tributary 22	0.9	*	*	676	*
	Approximately 110 feet downstream of Brookwood Acres Road	0.3	*	*	341	*
Deep River Tributary 24	At the confluence with Deep River	1.0	*	*	756	*

Table 8—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
Deep River Tributary 24 (continued)	Approximately 370 feet upstream of Bus 220	0.5	*	*	552	*
Deep River Tributary 26	At the confluence with Deep River	5.0	*	*	2,042	*
	Approximately 570 feet downstream of Hockett Dairy Road	4.6	*	*	1,923	*
	Approximately 0.8 mile upstream of Hockett Dairy Road	3.6	*	*	1,648	*
	Approximately 500 feet downstream of Hubbary Lane	2.7	*	*	1,373	*
	Approximately 0.6 mile upstream of Hubbary Lane	1.7	*	*	1,044	*
Dodsons Lake	At the confluence with Sandy Creek	3.3	*	*	1,568	*
	Approximately 1,350 feet upstream of Starmount Road	3.0	*	*	1,466	*
	At the confluence of Dodsons Lake Tributary 1	2.0	*	*	1,144	*
	At the confluence of Dodsons Lake 2	1.0	*	*	724	*
Dodsons Lake 2	At the confluence with Dodsons Lake	0.4	*	*	435	*
Dodsons Lake Tributary 1	At the confluence with Dodsons Lake	0.7	*	*	586	*
Fork Creek	At the confluence with Deep River	48.7	*	*	8,448	*
	Approximately 1,850 feet upstream of the confluence with Deep River	48.4	*	*	8,412	*
	Approximately 0.5 mile downstream of Riverside Road	47.4	*	*	8,313	*
	Approximately 1,500 feet downstream of Riverside Road	46.5	*	*	8,204	*
	Approximately 840 feet upstream of Riverside Road	46.4	*	*	8,194	*
	Approximately 0.4 mile upstream of Riverside Road	42.2	*	*	7,731	*

Table 8—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
Fork Creek (continued)	Approximately 0.6 mile downstream of Erect Road	41.3	*	*	7,627	*
	Approximately 0.5 mile downstream of Erect Road	39.2	*	*	7,382	*
	Approximately 150 feet upstream of Erect Road	31.7	*	*	6,458	*
	Approximately 1.2 miles upstream of Erect Road	30.9	*	*	6,360	*
	Approximately 2.1 miles upstream of Erect Road	30.0	*	*	6,242	*
	Approximately 2.2 miles upstream of Erect Road	24.9	*	*	5,562	*
	Approximately 2.4 miles upstream of Erect Road	22.4	*	*	5,207	*
	Approximately 1.7 miles downstream of Union Grove Church Road	21.7	*	*	5,092	*
	Approximately 1.5 miles downstream of Union Grove Church Road	14.6	*	*	3,977	*
	Approximately 1,640 feet downstream of Union Grove Church Road	14.0	*	*	3,872	*
	At the confluence of Lambert Creek	10.2	*	*	3,178	*
	Approximately 0.4 mile downstream of Fork Creek Mill Road	8.5	*	*	2,845	*
	Approximately 740 feet downstream of Fork Creek Mill Road	8.3	*	*	2,800	*
	Approximately 210 feet upstream of Bachelor Creek Road	7.4	*	*	2,606	*
	At the confluence of Fork Creek Tributary 1	2.3	*	*	1,252	*
	Approximately 0.9 mile upstream of the confluence of Fork Creek Tributary 1	1.5	*	*	979	*

Table 8—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
Fork Creek (continued)	Approximately 1.8 miles upstream of the confluence of Fork Creek Tributary 1	0.5	*	*	511	*
Fork Creek Tributary 1	At the confluence with Fork Creek	4.1	*	*	1,813	*
	At the confluence of Fork Creek Tributary 2	2.6	*	*	1,355	*
	At the confluence of Fork Creek Tributary 3	1.1	*	*	807	*
	Approximately 1,890 feet downstream of Sea Grove Plank Road	0.5	*	*	497	*
Fork Creek Tributary 2	At the confluence with Fork Creek Tributary 1	1.5	*	*	957	*
	Approximately 0.7 mile upstream of Angel Fire Trail	0.7	*	*	606	*
Fork Creek Tributary 3	At the confluence with Fork Creek Tributary 1	1.3	*	*	879	*
	Approximately 1.2 miles upstream of the confluence with Fork Creek Tributary 1	0.6	*	*	545	*
Gabriels Creek	At the confluence with Deep River	6.9	*	*	2,485	*
	At the confluence of Gabriels Creek Tributary 1	3.5	*	*	1,616	*
	Approximately 1,210 feet upstream of Old Cedar Falls Road	2.9	*	*	1,464	*
	At the confluence of Gabriels Creek Tributary 2	1.9	*	*	1,130	*
	Approximately 0.5 mile upstream of Trogdon Hill Road	1.2	*	*	815	*
Gabriels Creek Tributary 1	At the confluence with Gabriels Creek	3.1	*	*	1,514	*
	Approximately 450 feet downstream of Cedarwood Lake Dam	3.0	*	*	1,471	*
	Approximately 1,040 feet upstream of Henley Country Road	2.0	*	*	1,143	*
	Approximately 1,080 feet downstream of Old Cedar Falls Road	1.1	*	*	768	*

Table 8—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
Gabriels Creek Tributary 2	At the confluence with Gabriels Creek	0.4	*	*	419	*
Hannahs Creek	At the confluence with Uwharrie River	8.5	*	*	2,831	*
	Approximately 0.52 mile upstream of Lassiter Mill Road (SR 1107)	7.3	*	*	2,586	*
	At the confluence of Robbins Branch	5.9	*	*	2,262	*
	Approximately 0.53 mile upstream of the confluence of Robbins Branch	5.8	*	*	2,241	*
Hasketts Creek	At the confluence with Deep River	12.4	1,843	3,233	3,955	5,990
	North of Sewage Disposal Plant	12.0	1,797	3,157	3,902	5,950
	At the confluence of Penwood Branch	5.9	1,500	2,430	2,730	3,570
	Approximately 0.8 mile downstream of North Fayetteville Street	5.6	1,480	2,390	2,690	3,500
	At the confluence of Hasketts Creek Tributary 1	3.3	1,160	1,880	2,110	2,740
	Approximately 210 feet downstream of West Balfour Avenue	2.9	1,050	1,720	1,930	2,520
	Approximately 320 feet downstream of Vision Drive	1.9	909	1,480	1,650	2,130
	At the confluence of Hasketts Creek Tributary 2	0.4	*	*	806	*
Hasketts Creek Tributary 1	At the confluence with Hasketts Creek	1.2	393	755	933	1,485
	At Northwood Drive	1.0	337	636	809	1,280
	Approximately 1,300 feet upstream of Northwood Drive	1.3	*	*	1,010	*
Hasketts Creek Tributary 2	At the confluence with Hasketts Creek	0.7	*	*	956	*
	Approximately 1,920 upstream of Presnell Street	0.3	*	*	716	*
Jackson Creek	At the confluence with Uwharrie River	19.3	*	*	4,739	*

Table 8—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
Jackson Creek (continued)	Approximately 1.1 miles downstream of Gallimore Dairy Road	18.8	*	*	4,665	*
	Approximately 0.6 mile downstream of Gallimore Dairy Road	18.4	*	*	4,595	*
	Approximately 0.3 mile downstream of Gallimore Dairy Road	17.9	*	*	4,521	*
	Approximately 190 feet downstream of Gallimore Dairy Road	17.4	*	*	4,443	*
	Approximately 0.7 mile upstream of Gallimore Dairy Road	16.8	*	*	4,350	*
	Approximately 1.5 miles upstream of Gallimore Dairy Road	16.2	*	*	4,250	*
	Approximately 1.7 miles downstream of Bescher Chapel Road (SR 1311)	15.5	*	*	4,134	*
	Approximately 1.5 miles downstream of Bescher Chapel Road (SR 1311)	15.1	*	*	4,071	*
	Approximately 0.7 mile downstream of Bescher Chapel Road SR (1311)	14.6	*	*	3,987	*
	At the confluence of South Fork Jackson Creek	8.8	*	*	2,893	*
	Approximately 0.20 mile upstream of Jackson Creek Road	8.5	*	*	2,845	*
Kings Creek	At the confluence with Little River	6.2	*	*	2,337	*
	Approximately 0.8 mile downstream of King View Road (SR 1123)	5.7	*	*	2,220	*
Lakes Creek	At the confluence with Uwharrie River	0.8	*	*	659	*
	Approximately 0.21 mile upstream of the confluence with Uwharrie River	0.7	*	*	567	*
Lambert Creek	At the confluence with Fork Creek	2.8	*	*	1,411	*

Table 8—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
Lambert Creek (continued)	Approximately 0.6 mile upstream of the confluence with Fork Creek	2.6	*	*	1,339	*
Laniers Creek	At the confluence with Uwharrie River	9.8	*	*	3,096	*
	Approximately 450 feet upstream of Lou Cranford Road (SR 1179)	8.9	*	*	2,918	*
	Approximately 0.48 mile upstream of Lou Cranford Road (SR 1179)	8.7	*	*	2,886	*
	Approximately 0.28 mile downstream of the confluence of Sand Branch	7.6	*	*	2,647	*
	At the confluence of Sand Branch	6.6	*	*	2,429	*
	At the confluence of Nanny Branch	5.8	*	*	2,229	*
	Approximately 0.2 mile downstream of New Hope Road (SR 1181)	5.7	*	*	2,210	*
	Approximately 0.2 mile upstream of New Hope Road (SR 1181)	5.2	*	*	2,087	*
	Approximately 0.4 mile upstream of New Hope Road (SR 1181)	4.7	*	*	1,960	*
	Approximately 1.00 mile upstream of New Hope Road (SR 1181)	4.3	*	*	1,840	*
	Approximately 1.2 miles upstream of New Hope Road (SR 1181)	3.8	*	*	1,703	*
Little Brush Creek	At the confluence with Brush Creek	19.7	*	*	4,804	*
	Approximately 0.5 mile downstream of Lanes Mill Road	19.0	*	*	4,700	*
	Approximately 1,330 feet downstream of Lanes Mill Road	17.3	*	*	4,429	*
	Approximately 0.7 mile upstream of Lanes Mill Road	16.4	*	*	4,287	*

Table 8—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
Little Brush Creek (continued)	Approximately 0.6 mile upstream of Jim Gilland Road	15.5	*	*	4,133	*
	Approximately 0.7 mile upstream of Jim Gilland Road	13.6	*	*	3,799	*
	Approximately 1.0 mile upstream of Jim Gilland Road	9.1	*	*	2,955	*
	Approximately 0.8 mile downstream of Airport Road	8.8	*	*	2,908	*
	Approximately 1,720 feet downstream of Airport Road	7.8	*	*	2,698	*
	Approximately 1.2 miles downstream of Airport Road	7.1	*	*	2,532	*
	Approximately 1.0 mile downstream of Airport Road	6.1	*	*	2,303	*
	Approximately 0.8 mile downstream of Airport Road	5.2	*	*	2,091	*
	Approximately 0.4 mile downstream of Airport Road	5.0	*	*	2,050	*
	Approximately 1,650 feet downstream of Airport Road	4.1	*	*	1,786	*
	Approximately 0.5 mile upstream of Airport Road	3.6	*	*	1,650	*
	Approximately 1.4 miles upstream of Airport Road	2.6	*	*	1,352	*
Little Caraway Creek	At the confluence with Caraway Creek	10.2	*	*	3,184	*
	Approximately 0.64 mile upstream of the confluence with Caraway Creek	9.4	*	*	3,021	*
	Approximately 1.06 miles upstream of the confluence with Caraway Creek	9.1	*	*	2,960	*
	Approximately 1.44 miles downstream of Earnhardt Road (SR 1539)	8.0	*	*	2,734	*

Table 8—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
Little Caraway Creek (continued)	Approximately 0.95 mile downstream of Earnhardt Road (SR 1539)	7.1	*	*	2,539	*
	Approximately 0.89 mile downstream of Earnhardt Road (SR 1539)	6.7	*	*	2,444	*
	Approximately 220 feet downstream of Earnhardt Road (SR 1539)	5.6	*	*	2,195	*
	Approximately 0.42 mile upstream of Earnhardt Road (SR 1539)	5.2	*	*	2,078	*
	At the confluence of Little Caraway Creek Tributary 1	2.5	*	*	1,309	*
	Approximately 0.58 mile upstream of the confluence of Little Caraway Creek Tributary 1	2.0	*	*	1,148	*
	Approximately 0.31 mile downstream of Mount Gilead Church Road	1.6	*	*	981	*
Little Caraway Creek Tributary 1	At the confluence with Little Caraway Creek	2.5	*	*	1,332	*
Little Polecat Creek	At the confluence with Polecat Creek	14.0	1,915	3,214	3,874	5,722
	Approximately 0.8 mile upstream of the confluence with Polecat Creek	13.2	1,847	3,105	3,744	5,537
	Approximately 0.9 mile upstream of the confluence with Polecat Creek	12.2	1,754	2,954	3,565	5,280
	Approximately 50 feet upstream of Racine Road	11.6	1,690	2,852	3,444	5,106
	Approximately 1,670 feet upstream of Racine Road	10.6	1,595	2,697	3,260	4,842
	At the confluence of Little Polecat Creek Tributary 1	7.2	1,231	2,104	2,553	3,822

Table 8—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
Little Polecat Creek (continued)	At the confluence of Little Polecat Creek Tributary 3	4.6	917	1,586	1,933	2,919
	At the confluence of Little Polecat Creek Tributary 4	1.7	465	828	1,019	1,571
	Approximately 590 feet downstream of dam	0.8	291	527	653	1,021
Little Polecat Creek Tributary 1	At the confluence with Little Polecat Creek	3.3	733	1,280	1,565	2,380
	Approximately 1.1 miles upstream of the confluence with Little Polecat Creek	2.6	631	1,110	1,360	2,075
	At the confluence of Little Polecat Creek Tributary 2	1.0	324	585	724	1,130
	Approximately 0.6 mile upstream of the confluence of Little Polecat Creek Tributary 2	0.4	192	355	443	701
Little Polecat Creek Tributary 2	At the confluence with Little Polecat Creek Tributary 1	0.7	253	461	573	900
	Approximately 0.6 mile upstream of the confluence with Little Polecat Creek Tributary 1	0.3	138	285	324	517
Little Polecat Creek Tributary 3	At the confluence with Little Polecat Creek	1.8	497	882	1,085	1,669
	Approximately 420 feet upstream of Unnamed Road	1.3	396	708	874	1,354
	Approximately 0.5 mile upstream of Unnamed Road	0.7	276	501	622	973
Little Polecat Creek Tributary 4	At the confluence with Little Polecat Creek	2.8	657	1,150	1,410	2,150
	At the confluence of Little Polecat Creek Tributary 5	1.6	452	805	992	1,530
	Approximately 760 feet downstream of Hunting Lodge Road	1.3	402	720	888	1,380
	Approximately 480 feet upstream of Hunting Lodge Road	0.6	243	444	552	868

Table 8—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
Little Polecat Creek Tributary 5	At the confluence with Little Polecat Creek Tributary 4	1.2	367	659	814	1,264
	Approximately 970 feet upstream of the confluence with Little Polecat Creek Tributary 4	1.1	356	640	792	1,230
	Approximately 0.4 mile upstream of Hunting Lodge Road	0.7	272	494	614	962
	Approximately 0.8 mile upstream of Hunting Lodge Road	0.4	189	349	436	690
Little River	Randolph/Montgomery County boundary	45.9	*	*	8,147	*
	At the confluence of Little River Tributary 2	43.1	*	*	7,830	*
	At the confluence of Wagners Branch	40.7	*	*	7,556	*
	At the confluence of Little River Tributary 3	33.6	*	*	6,696	*
	At the confluence of Little River Tributary 4	32.5	*	*	6,563	*
	Approximately 190 feet downstream of State Road 1121	31.0	*	*	6,368	*
	At the confluence of Little River Tributary 5	30.1	*	*	6,251	*
	At the confluence of Reed Creek (into Little River)	25.6	*	*	5,655	*
	Approximately 0.26 mile downstream of the confluence of Little River Tributary 6	24.9	*	*	5,558	*
	At the confluence of Reedy Creek	21.5	*	*	5,071	*
	Approximately 390 feet downstream of Howard Auman Road	20.6	*	*	4,936	*
	At the confluence of Little River Tributary 7	19.5	*	*	4,767	*
	At the confluence of Little River Tributary 8	17.7	*	*	4,485	*
	At the confluence of Big Branch	15.1	*	*	4,060	*
	At the confluence of Little River Tributary 9	14.8	*	*	4,014	*

Table 8—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
Little River (continued)	At the confluence of Little River Tributary 11	12.8	*	*	3,668	*
	At the confluence of South Prong Little River	7.9	*	*	2,706	*
	Approximately 330 feet upstream of Hopewell Friends Road (SR 1142)	6.7	*	*	2,442	*
	Approximately 350 feet downstream of Bailey Road (SR 1140)	6.3	*	*	2,357	*
	At the confluence of Little River Tributary 12	4.9	*	*	2,013	*
	Approximately 240 feet downstream of Southmont Drive (SR 1145)	4.2	*	*	1,831	*
Little River Tributary 2	At the confluence with Little River	1.3	*	*	891	*
	Approximately 0.2 mile upstream of the confluence with Little River	0.9	*	*	705	*
Little River Tributary 3	At the confluence with Little River	0.7	*	*	587	*
Little River Tributary 4	At the confluence with Little River	0.9	*	*	707	*
Little River Tributary 5	At the confluence with Little River	0.4	*	*	410	*
Little River Tributary 6	At the confluence with Little River	0.1	*	*	180	*
Little River Tributary 7	At the confluence with Little River	0.5	*	*	496	*
Little River Tributary 8	At the confluence with Little River	1.7	*	*	1,053	*
	Approximately 0.3 mile upstream of the confluence with Little River	0.6	*	*	585	*
Little River Tributary 9	At the confluence with Little River	0.2	*	*	255	*
Little River Tributary 10	At the confluence with Little River	0.5	*	*	484	*
Little River Tributary 11	At the confluence with Little River	1.4	*	*	913	*
Little River Tributary 12	At the confluence with Little River	1.1	*	*	793	*

Table 8—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
Little River Tributary 12 (continued)	Approximately 500 feet downstream of US Highway 220	0.8	*	*	663	*
Little Uwharrie River	At the confluence with Uwharrie River	43.4	*	*	7,864	*
	Approximately 0.32 mile downstream of Tabernacle Church Road	42.9	*	*	7,804	*
	At the confluence of Little Uwharrie River Tributary 1	41.3	*	*	7,624	*
	Approximately 0.5 mile downstream of Fuller Mill Road (SR 1404)	39.9	*	*	7,454	*
	Approximately 480 feet upstream of Fuller Mill Road (SR 1404)	38.3	*	*	7,272	*
	Approximately 0.75 mile upstream of Fuller Mill Road (SR 1404)	38.0	*	*	7,232	*
	Approximately 0.14 mile downstream of the first crossing of Kennedy Farm Road (SR 1401)	36.5	*	*	7,056	*
	Approximately 0.2 mile upstream of the first crossing of Kennedy Farm Road (SR 1401)	36.4	*	*	7,049	*
	Approximately 70 feet upstream of the confluence of Brier Creek	10.4	1,574	2,603	3,219	4,782
	Approximately 0.6 miles upstream of the confluence of Brier Creek	10.0	1,535	2,600	3,144	4,675
	Approximately 0.7 miles downstream of the confluence of Little Uwharrie River Tributary 2	9.7	1,504	2,549	3,084	4,588
	At the confluence of Little Uwharrie River Tributary 2	8.3	1,357	2,310	2,799	4,177
	At the confluence of Little Uwharrie River Tributary 3	5.7	1,052	1,810	2,201	3,311

Table 8—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
Little Uwharrie River (continued)	Approximately 0.2 miles downstream of Fuller Mill Road North (SR 1547)	5.6	1,040	1,790	2,178	3,276
	At the confluence of Little Uwharrie River Tributary 4	4.8	943	1,629	1,985	2,995
	Approximately 200 feet upstream of the confluence of Little Uwharrie River Tributary 5	4.5	909	1,572	1,916	2,895
	At the confluence of Little Uwharrie River Tributary 6	3.9	817	1,420	1,733	2,627
	Approximately 220 feet upstream of the confluence of Little Uwharrie River Tributary 7	3.0	697	1,220	1,493	2,274
	At the confluence of Little Uwharrie River Tributary 8	2.5	611	1,075	1,318	2,015
	At the confluence of Little Uwharrie River Tributary 9	2.2	556	981	1,205	1,847
	At the confluence of Little Uwharrie River Tributary 10	1.4	424	801	935	1,445
	At the confluence of Little Uwharrie River Tributary 11	1.0	336	643	753	1,173
	At Interstate 85	0.5	258	493	573	812
Little Uwharrie River Tributary 1	At the confluence with Little Uwharrie River	1.4	*	*	920	*
	Approximately 0.2 mile upstream of the confluence with Little Uwharrie River	1.3	*	*	889	*
Little Uwharrie River Tributary 4	At the confluence with Little Uwharrie River	0.4	*	*	429	*
	Approximately 320 feet upstream of Reddy Foxx Lane (SR 3172)	0.2	*	*	325	*

Table 8—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
Little Uwharrie River Tributary 5	At the confluence with Little Uwharrie River	0.2	*	*	279	*
	Approximately 0.2 mile upstream of the confluence with Little Uwharrie River	0.1	*	*	176	*
Little Uwharrie River Tributary 6	At the confluence with Little Uwharrie River	0.4	*	*	415	*
	At the confluence of Little Uwharrie River Tributary 6A	0.2	*	*	297	*
	Approximately 0.3 mile upstream of the confluence of Little Uwharrie River Tributary 6A	0.1	*	*	161	*
Little Uwharrie River Tributary 6A	At the confluence with Little Uwharrie River Tributary 6	0.2	*	*	306	*
	Approximately 0.3 mile upstream of the confluence with Little Uwharrie River Tributary 6	0.1	*	*	240	*
Little Uwharrie River Tributary 7	At the confluence with Little Uwharrie River	0.4	*	*	401	*
	Approximately 0.1 mile downstream of Finch Farm Road (SR 1547)	0.2	*	*	276	*
Little Uwharrie River Tributary 8	At the confluence with Little Uwharrie River	0.4	*	*	443	*
	At the confluence of Little Uwharrie River Tributary 8A	0.3	*	*	336	*
	Approximately 0.7 mile upstream of the confluence of Little Uwharrie River Tributary 8A	0.2	*	*	230	*
Little Uwharrie River Tributary 8A	At the confluence with Little Uwharrie River Tributary 8	0.2	*	*	228	*
	Approximately 0.3 mile upstream of the confluence with Little Uwharrie River Tributary 8	0.1	*	*	138	*

Table 8—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
Little Uwharrie River Tributary 10	At the confluence with Little Uwharrie River	0.7	*	*	581	*
	At the confluence of Little Uwharrie River Tributary 10A	0.4	*	*	434	*
	Approximately 0.4 mile upstream of the confluence of Little Uwharrie River Tributary 10A	0.4	*	*	389	*
Little Uwharrie River Tributary 10A	At the confluence with Little Uwharrie River Tributary 10	0.2	*	*	279	*
	Approximately 0.4 mile upstream of the confluence with Little Uwharrie River Tributary 10	0.1	*	*	217	*
Little Uwharrie River Tributary 11	At the confluence with Little Uwharrie River	0.4	*	*	461	*
	At the confluence of Little Uwharrie River Tributary 11A	0.3	*	*	318	*
Little Uwharrie River Tributary 11A	At the confluence with Little Uwharrie River Tributary 11	0.1	*	*	220	*
Long Branch	At the confluence of Cedar Fork Creek	7.8	1,305	2,225	2,697	4,030
	Approximately 0.6 miles upstream of Old Lexington Road	7.6	1,277	2,179	2,643	3,951
	Approximately 0.3 miles downstream of Wilson Drive	6.6	1,160	1,987	2,413	3,618
Mile Branch Tributary 1	At mouth	6.0	*	*	2,282	*
	Approximately 0.3 mile upstream of mouth	5.5	*	*	2,163	*
Mile Branch Tributary 2	At mouth	0.2	*	*	269	*
Mill Creek (into Deep River)	At the confluence with Deep River	17.9	2,257	3,763	4,524	6,649
	Approximately 930 feet upstream of Mill Creek Road	14.9	1,999	3,349	4,034	5,951
	Approximately 1.2 miles upstream of Mill Creek Road	14.5	1,958	3,284	3,956	5,840
	Approximately 440 feet downstream of Pleasant Ridge Road	13.5	1,871	3,144	3,790	5,602

Table 8—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
Mill Creek (into Deep River) (continued)	Approximately 50 feet upstream of Pleasant Ridge Road	10.5	1,582	2,676	3,234	4,805
	Approximately 0.6 mile upstream of Young Road	10.0	1,536	2,601	3,145	4,677
	Approximately 700 feet downstream of Grantville Road	9.2	1,448	2,459	2,976	4,433
	Approximately 0.7 mile downstream of Foxfire Road	8.2	1,349	2,296	2,782	4,153
	Approximately 0.5 mile downstream of Foxfire Road	7.1	1,227	2,097	2,545	3,810
	At the confluence of Mill Creek Tributary 1	4.2	868	1,504	1,835	2,776
	At the confluence of Mill Creek Tributary 2	2.5	614	1,080	1,325	2,025
	Approximately 1,340 feet downstream of Iron Mountain Road	2.2	*	*	1,228	*
Mill Creek (into Uwharrie River)	At the confluence with Uwharrie River	1.3	*	*	889	*
	Approximately 0.2 mile upstream of the confluence with Uwharrie River	1.2	*	*	811	*
	At the confluence of Mill Creek Tributary 4	0.9	*	*	717	*
	Approximately 0.5 mile upstream of the confluence of Mill Creek Tributary 4	0.4	*	*	443	*
Mill Creek Tributary 1	At the confluence with Mill Creek (into Deep River)	1.8	*	*	1,085	*
	Approximately 0.4 mile downstream of Iron Mountain Road	0.8	*	*	655	*
Mill Creek Tributary 2	At the confluence with Mill Creek (into Deep River)	1.7	*	*	1,029	*
	At the confluence of Mill Creek Tributary 3	0.4	*	*	435	*
Mill Creek Tributary 3	At the confluence with Mill Creek Tributary 2	0.9	*	*	676	*
	Approximately 460 feet upstream of dam	0.4	*	*	396	*

Table 8—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
Mill Creek Tributary 4	At the confluence with Mill Creek (into Deep River)	1.0	*	*	756	*
	Approximately 0.6 mile upstream of Creekway Ridge	0.5	*	*	469	*
Millstone Creek	At the confluence with Deep River	10.0	*	*	3,151	*
	Approximately 0.7 mile upstream of NC 22	9.3	*	*	3,000	*
	Approximately 1.2 miles upstream of NC 22	8.3	*	*	2,800	*
	Approximately 0.4 mile downstream of Old Siler City Road	7.6	*	*	2,649	*
	Approximately 720 feet upstream of Lee Layne Road	6.7	*	*	2,435	*
	Approximately 1,390 feet upstream of Lee Layne Road	3.7	*	*	1,690	*
	Approximately 0.3 mile upstream of Lee Layne Road	1.6	*	*	1,015	*
Mount Pleasant Creek	At the confluence with Sandy Creek	9.9	*	*	3,129	*
	Approximately 1.0 mile downstream of Low Bridge Road	9.3	*	*	3,002	*
	Approximately 0.5 mile downstream of Low Bridge Road	8.3	*	*	2,801	*
	Approximately 0.3 mile upstream of Ramseur Julian Road	7.4	*	*	2,594	*
	Approximately 0.4 mile upstream of Ramseur Julian Road	5.4	*	*	2,149	*
	Approximately 0.8 mile upstream of Ramseur Julian Road	4.2	*	*	1,822	*
	Approximately 0.3 mile downstream of Soapstone Mountain Road	3.4	*	*	1,615	*
	Approximately 410 feet upstream of Land Estates Road	2.5	*	*	1,311	*

Table 8—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
Mount Pleasant Creek (continued)	Approximately 0.6 mile upstream of Land Estates Road	2.0	*	*	1,136	*
Muddy Creek	At the confluence with Deep River	26.4	*	*	5,770	*
	Approximately 0.6 mile upstream of Walker Mill Road	25.7	*	*	5,670	*
	Approximately 1.1 miles upstream of Walker Mill Road	25.0	*	*	5,110	*
	Approximately 1.3 miles upstream of Walker Mill Road	22.0	*	*	4,900	*
	Approximately 0.7 mile downstream of Brandon Davis Road	21.5	*	*	4,880	*
	Approximately 0.7 mile upstream of Brandon Davis Road	21.0	*	*	4,850	*
	Approximately 0.8 mile upstream of Brandon Davis Road	18.5	*	*	4,680	*
	Approximately 0.7 mile downstream of Cedar Square Road	17.7	*	*	4,590	*
	Approximately 0.4 mile downstream of Cedar Square Road	16.8	*	*	4,530	*
	Approximately 1,370 feet downstream of Canter Road	16.0	*	*	4,480	*
	Approximately 0.6 mile downstream of Muddy Creek Road	15.4	*	*	4,440	*
	Approximately 790 feet downstream of Muddy Creek Road	14.4	*	*	4,350	*
	At the confluence of Taylor Branch	11.7	2,360	3,680	4,110	5,290
	Approximately 1.0 mile downstream of Suits Road	10.1	2,280	3,540	3,940	5,030
	At the confluence of Muddy Creek Tributary	8.7	2,180	3,370	3,740	4,740
	At the confluence of Muddy Creek East Tributary	5.2	1,550	2,470	2,750	3,540

Table 8—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
Muddy Creek (continued)	Approximately 920 feet upstream of South Main Street	4.3	1,430	2,270	2,530	3,240
	Approximately 1,700 feet upstream of Cheyenne Drive	3.3	1,200	1,930	2,160	2,780
	At the confluence of Muddy Creek West Tributary	1.3	628	1,080	1,220	1,620
	Approximately 230 feet downstream of Meridith Drive	0.6	434	748	844	1,110
Muddy Creek East Tributary	At the confluence with Muddy Creek	3.3	1,200	1,930	2,160	2,790
	Approximately 970 feet downstream of Huff Road	2.6	1,050	1,710	1,910	2,460
	At the confluence of Muddy Creek East Tributary 2	1.9	975	1,560	1,730	2,190
	At the confluence of Muddy Creek East Tributary 4	1.2	691	1,140	1,270	1,640
	Approximately 750 feet upstream of Rocklane Drive	0.5	423	717	802	1,040
	At the Guilford/ Randolph County boundary	0.5	*	*	802	*
Muddy Creek East Tributary 2	At the confluence with Muddy Creek East	0.3	*	*	377	*
	At the confluence of Muddy Creek East Tributary 3	0.2	*	*	274	*
	At the Guilford/Randolph County boundary	0.2	*	*	274	*
Muddy Creek East Tributary 3	At the confluence with Muddy Creek East Tributary 2	0.1	*	*	211	*
	At the Guilford/Randolph County boundary	0.1	*	*	211	*
Muddy Creek East Tributary 4	At the confluence with Muddy Creek East Tributary	0.7	*	*	988	*
	At the confluence of Muddy Creek East Tributary 5	0.3	*	*	614	*

Table 8—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
Muddy Creek East Tributary 4 (continued)	Approximately 1,900 feet downstream of Ashland Street	0.3	*	*	614	*
Muddy Creek East Tributary 5	At the confluence with Muddy Creek East Tributary 4	0.2	*	*	395	*
Muddy Creek East Tributary 6	At the confluence with Muddy Creek East Tributary 4	0.2	*	*	440	*
Muddy Creek Tributary	At the confluence with Muddy Creek	0.9	*	*	715	*
	Approximately 1,900 feet upstream from Walnut Tree Lane	0.6	*	*	561	*
Muddy Creek West Tributary	At the confluence with Muddy Creek	1.0	623	1,030	1,160	1,490
Nanny Branch	At the confluence of Laniers Creek	0.83	*	*	661	*
Narrows Branch	At the confluence with Uwharrie River	0.58	*	*	529	*
North Prong Creek	Approximately 1.3 miles downstream of NC Hwy 49N	3.2	*	*	1,535	*
	Approximately 160 feet upstream of NC Hwy 49N	2.7	*	*	1,388	*
	Approximately 1,000 feet upstream of NC Hwy 49N	1.5	*	*	946	*
	Approximately 530 feet downstream of Private Road	1.1	*	*	803	*
North Prong Richland Creek	At the confluence with South Prong Richland Creek	4.3	*	*	1,852	*
	Approximately 0.3 mile downstream of Staleys Farm Road	3.3	*	*	1,585	*
	At the confluence of North Prong Richland Creek Tributary	1.4	*	*	924	*
	Approximately 900 feet upstream of Staleys Farm Road	0.6	*	*	564	*

Table 8—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
North Prong Richland Creek Tributary	At the confluence with North Prong Richland Creek	1.1	*	*	802	*
	Approximately 50 feet upstream of Tall Pine Street Ext	0.7	*	*	572	*
North Prong Rocky River	Approximately 840 feet downstream of Virginia Trail	1.0	*	*	745	*
	Approximately 260 feet upstream of Virginia Trail	0.3	*	*	369	*
Penwood Branch	At the confluence with Hasketts Creek	5.2	1,022	1,842	2,301	3,550
	Approximately 530 feet downstream of Old Liberty Road	4.1	880	1,594	1,997	3,060
	Approximately 530 feet upstream of Old Liberty Road	3.4	770	1,403	1,762	2,690
	At the confluence of Penwood Branch Tributary	1.9	529	978	1,236	1,930
	Approximately 160 feet downstream of Brewer Street	1.0	*	*	1,410	*
	Approximately 50 feet downstream of Cliff Road	0.5	*	*	884	*
Penwood Branch Tributary	At the confluence with Penwood Branch	0.4	176	340	437	700
	Approximately 880 feet upstream of East Presnell Street	0.1	69	137	179	298
Polecat Creek	At the confluence with Deep River	56.2	5,370	8,090	9,030	11,600
	Approximately 970 feet downstream of Creekridge Country Road	53.4	5,330	8,010	8,920	11,500
	Approximately 0.8 mile downstream of Naomi Road	53.1	5,330	8,000	8,910	11,400
	Approximately 720 feet upstream of Naomi Road	52.1	5,310	7,960	8,870	11,400
	Approximately 1,370 feet upstream of Naomi Road	48.2	5,250	7,840	8,710	11,100

Table 8—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
Polecat Creek (continued)	Approximately 0.8 mile downstream of New Salem Road	47.8	5,250	7,830	8,700	11,100
	Approximately 0.4 mile upstream of New Salem Road	47.0	5,230	7,790	8,650	11,000
	At the confluence of Little Polecat Creek	32.0	4,850	7,080	7,790	9,700
	Approximately 880 feet upstream of Fred Lineberry Road	31.7	4,830	7,050	7,750	9,660
	Approximately 0.3 mile upstream of Fred Lineberry Road	30.2	4,790	6,970	7,650	9,510
	Approximately 1,680 feet downstream of Providence Church Road	29.7	4,760	6,930	7,610	9,450
	At the confluence of Little Polecat Creek Tributary 4	20.8	4,510	6,420	6,980	8,470
	Approximately 0.3 mile downstream of Evans Cedar Lane	20.1	4,480	6,360	6,920	8,380
	At the confluence of Polecat Creek Tributary 6	19.1	4,410	6,250	6,790	8,210
	Approximately 1,040 feet downstream of the confluence of Polecat Creek Tributary 7	18.4	4,370	6,190	6,720	8,110
	At the confluence of Polecat Creek Tributary 7	17.5	4,300	6,080	6,600	7,940
	Approximately 0.7 mile upstream of the confluence of Polecat Creek Tributary 7	16.9	4,270	6,030	6,530	7,850
Polecat Creek Tributary 4	At the confluence with Polecat Creek	7.9	1,310	2,233	2,707	4,045
	Approximately 0.7 mile upstream of the confluence with Polecat Creek	7.1	1,226	2,096	2,544	3,808
	At the confluence of Polecat Creek Tributary 5	5.0	*	*	2,038	*
	Approximately 980 feet upstream of Whitt Hunt Road	4.5	*	*	1,912	*

Table 8—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
Polecat Creek Tributary 4 (continued)	Approximately 1,480 feet upstream of Whitt Hunt Road	3.0	*	*	1,495	*
	Approximately 750 feet upstream of NC Hwy 62	2.7	*	*	1,383	*
Polecat Creek Tributary 5	At the confluence with Polecat Creek Tributary 4	1.6	450	802	988	1,520
	Approximately 0.4 mile upstream of Bantam Road	1.3	392	702	867	1,340
Polecat Creek Tributary 6	At the confluence with Polecat Creek	1.0	325	464	727	1,130
	Approximately 1.1 miles upstream of the confluence with Polecat Creek	0.4	176	255	407	646
Polecat Creek Tributary 7	At the confluence with Polecat Creek	0.9	311	562	696	1,090
	Approximately 0.7 mile upstream of the confluence with Polecat Creek	0.3	170	343	404	591
Reed Creek (into Deep River)	At the confluence with Deep River	10.1	*	*	3,154	*
	Approximately 210 feet downstream of NC Hwy 22 South	9.6	*	*	3,063	*
	Approximately 790 feet upstream of NC Hwy 22 South	8.6	*	*	2,860	*
	Approximately 0.4 mile upstream of Reed Creek Road	7.7	*	*	2,661	*
	Approximately 1.1 miles downstream of Lee Layne Road	7.0	*	*	2,506	*
	Approximately 1,480 feet downstream of Lee Layne Road	6.0	*	*	2,289	*
Reed Creek (into Little River)	At the confluence with Little River	4.4	*	*	1,867	*
	Approximately 340 feet downstream of Burney Road (SR 1127)	4.1	*	*	1,794	*
	At the confluence of Reed Creek Tributary 1	3.8	*	*	1,723	*

Table 8—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
Reed Creek (into Little River) (continued)	At the confluence of Reed Creek Tributary 2	2.9	*	*	1,450	*
	Approximately 0.7 mile downstream of Wright Country Road	2.3	*	*	1,243	*
	Approximately 0.3 mile downstream of Wright Country Road	1.4	*	*	925	*
	Approximately 0.7 mile upstream of Wright Country Road	0.8	*	*	646	*
Reed Creek Tributary 1	At the confluence with Reed Creek (into Deep River)	1.6	*	*	1,003	*
	Approximately 0.7 mile upstream of the confluence with Reed Creek (into Deep River)	1.4	*	*	902	*
Reed Creek Tributary 2	At the confluence with Reed Creek (into Deep River)	0.9	*	*	704	*
Reedy Creek	At the confluence with Little River	3.2	*	*	1,544	*
Reedy Fork	At the confluence with Brush Creek	1.7	*	*	1,038	*
Richland Creek	At the confluence with Deep River	66.0	*	*	10,221	*
	Approximately 0.5 mile downstream of Riverside Road	65.2	*	*	10,140	*
	Approximately 0.6 mile upstream of Riverside Road	64.3	*	*	10,049	*
	Approximately 1.2 miles upstream of Riverside Road	63.3	*	*	9,952	*
	Approximately 0.7 mile downstream of Erect Road	62.8	*	*	9,902	*
	Approximately 1,640 feet downstream of Erect Road	58.1	*	*	9,436	*
	Approximately 1,060 feet downstream of Picketts Mill Road	57.1	*	*	9,337	*
	Approximately 0.3 mile downstream of convergence with Bachelor Creek	56.3	*	*	9,256	*

Table 8—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
Richland Creek (continued)	At the convergence with Bachelor Creek	44.5	*	*	7,984	*
	Approximately 0.6 mile upstream from Little Beane Store Road	44.0	*	*	7,932	*
	Approximately 0.8 mile upstream from Little Beane Store Road	42.8	*	*	7,795	*
	Approximately 1.0 mile downstream of Kemp Mill Road	41.9	*	*	7,698	*
	Approximately 0.6 mile downstream of Kemp Mill Road	39.7	*	*	7,441	*
	Approximately 0.6 mile upstream of Kemp Mill Road	39.3	*	*	7,386	*
	Approximately 0.5 mile downstream of Old NC Hwy 13	36.8	*	*	7,098	*
	Near Old Humble Mill Road	27.4	3,137	5,353	6,540	9,590
	Approximately 0.7 mile downstream of Old Cox Road	19.6	*	*	4,778	*
	Approximately 650 feet downstream of Old Cox Road	10.7	*	*	3,285	*
	At Old Cox Road	10.5	*	*	3,239	*
	Approximately 0.6 mile upstream of Old Cox Road	8.9	*	*	2,926	*
Robbins Branch	At the confluence with Hannahs Creek	1.0	*	*	757	*
Rocky River	Approximately 1.9 miles downstream of Andrews Road	6.9	*	*	2,501	*
	At the confluence with Rocky River Tributary 2	4.7	*	*	1,967	*
	Approximately 1.4 miles upstream of the confluence with Rocky River	3.9	*	*	1,736	*
	At the confluence with Rocky River Tributary 3	1.8	*	*	1,088	*

Table 8—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
Rocky River (continued)	Approximately 900 feet upstream of the confluence with Rocky River Tributary 4	1.3	*	*	868	*
	Approximately 1.4 miles upstream of the confluence with Rocky River Tributary 4	0.6	*	*	512	*
Rocky River Tributary 2	At the confluence with Rocky River	1.3	*	*	862	*
	Approximately 1.4 miles upstream of the confluence with Rocky River	0.3	*	*	340	*
Rocky River Tributary 3	At the confluence with Rocky River	1.1	*	*	771	*
	Approximately 0.4 mile downstream of Old US 421	0.3	*	*	363	*
Rocky River Tributary 4	At the confluence with Rocky River	0.3	*	*	343	*
Sand Branch	At the confluence with Laniers Creek	0.90	*	*	699	*
Sandy Creek	At the confluence with Deep River	60.0	*	*	9,626	*
	Approximately 1.1 miles downstream from Mulberry Academy Street	56.2	*	*	9,244	*
	At the confluence with Mount Pleasant Creek	45.3	*	*	8,075	*
	Approximately 0.3 mile upstream of the confluence with Mount Pleasant Creek	45.2	*	*	8,066	*
	Approximately 0.4 mile upstream of Low Bridge Road	44.2	*	*	7,954	*
	Approximately 210 feet downstream of Kidds Mill Road	43.6	*	*	7,888	*
	Approximately 790 feet upstream of Kidds Mill Road	37.9	*	*	7,224	*
	Approximately 1.0 mile upstream of Kidds Mill Road	37.5	*	*	7,179	*
	Approximately 1.2 miles upstream of Kidds Mill Road	36.2	*	*	7,021	*

Table 8—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
Sandy Creek (continued)	Approximately 1.5 miles upstream of Kidds Mill Road	36.1	*	*	7,014	*
	Approximately 1.0 mile downstream of confluence with Sandy Creek Tributary 1	35.2	*	*	6,895	*
	Approximately 0.9 mile downstream of confluence with Sandy Creek Tributary 1	34.1	*	*	6,767	*
	At confluence with Sandy Creek Tributary 1	28.8	*	*	6,087	*
	At confluence with Boodom Creek	24.1	*	*	5,443	*
	Approximately 580 feet upstream of the confluence with Boodom Creek	23.7	*	*	5,390	*
	Approximately 1,370 feet upstream of Old Liberty Road	22.8	*	*	5,254	*
	At confluence with Sandy Creek Tributary 2	20.4	*	*	4,913	*
	At confluence with Sandy Creek Tributary 3	14.4	*	*	3,939	*
	At confluence with Sandy Creek Tributary 7	12.8	*	*	3,659	*
	At confluence with Dodsons Lake	9.4	*	*	3,018	*
	Approximately 1,480 feet upstream of US 421	9.2	*	*	2,986	*
	At confluence with Sandy Creek Tributary 8	5.3	*	*	2,112	*
	At confluence with Sandy Creek Tributary 9	3.3	*	*	1,580	*
	Approximately 530 feet downstream of Old Red Cross Road	2.4	*	*	1,302	*

Table 8—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
Sandy Creek (continued)	At confluence with Sandy Creek Tributary 10	1.7	*	*	1,023	*
	Approximately 0.3 mile downstream from the confluence with Sandy Creek Tributary 11	1.6	*	*	999	*
	At confluence with Sandy Creek Tributary 11	0.4	*	*	426	*
Sandy Creek Tributary 1	At the confluence with Sandy Creek	4.9	*	*	2,014	*
	Approximately 0.8 mile upstream of the confluence with Sandy Creek	4.2	*	*	1,830	*
Sandy Creek Tributary 2	At the confluence with Sandy Creek	1.3	*	*	889	*
	Approximately 0.6 mile upstream of US Hwy 421	0.6	*	*	556	*
Sandy Creek Tributary 3	At the confluence with Sandy Creek	5.8	*	*	2,226	*
	Approximately 770 feet upstream of Starmount Road	5.4	*	*	2,126	*
	At the confluence of Sandy Creek Tributary 4	4.7	*	*	1,948	*
	At the confluence of Sandy Creek Tributary 5	2.7	*	*	1,373	*
	Approximately 0.3 mile downstream of York Martin Road	1.4	*	*	930	*
	Approximately 0.5 mile upstream of York Martin Road	1.1	*	*	801	*
	Approximately 1.2 miles upstream of York Martin Road	0.4	*	*	452	*
Sandy Creek Tributary 4	At the confluence with Sandy Creek Tributary 3	0.6	*	*	540	*
	Approximately 0.8 mile upstream of the confluence with Sandy Creek Tributary 3	0.3	*	*	316	*

Table 8—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
Sandy Creek Tributary 5	At the confluence with Sandy Creek Tributary 3	1.5	*	*	961	*
	At the confluence of Sandy Creek Tributary 6	1.1	*	*	812	*
	Approximately 0.4 mile upstream of Bunton Swaim Road	1.0	*	*	775	*
	Approximately 1.0 mile upstream of Bunton Swaim Road	0.6	*	*	602	*
Sandy Creek Tributary 6	At the confluence with Sandy Creek Tributary 5	0.3	*	*	369	*
Sandy Creek Tributary 7	At the confluence with Sandy Creek	1.6	*	*	991	*
	Approximately 0.9 mile upstream of Starmount Road	1.0	*	*	764	*
Sandy Creek Tributary 8	At the confluence with Sandy Creek	2.9	*	*	1,461	*
	Approximately 80 feet upstream of Randolph Church Road	2.2	*	*	1,224	*
	Approximately 1.5 miles upstream of Randolph Church Road	1.2	*	*	841	*
	Approximately 2.1 miles upstream of Randolph Church Road	0.6	*	*	556	*
Sandy Creek Tributary 9	At the confluence with Sandy Creek	1.5	*	*	978	*
	Approximately 0.4 mile downstream of Unnamed Road	1.0	*	*	750	*
	Approximately 210 feet downstream of Unnamed Road	0.4	*	*	437	*
Sandy Creek Tributary 10	At the confluence with Sandy Creek	0.7	*	*	573	*
	Approximately 1,540 feet upstream of Greeson Country Road	0.4	*	*	399	*
Sandy Creek Tributary 11	At the confluence with Sandy Creek	0.4	*	*	436	*
Second Creek	At the confluence with Uwharrie River	16.9	*	*	4,367	*

Table 8—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
Second Creek (continued)	At the confluence of Second Creek Tributary 1	16.5	*	*	4,288	*
	Approximately 0.4 mile downstream of Oak Grove Church Road (SR 1175)	15.7	*	*	4,168	*
	Approximately 380 feet upstream of Oak Grove Church Road (SR 1175)	15.2	*	*	4,083	*
	Approximately 0.6 mile upstream of Oak Grove Church Road (SR 1175)	14.6	*	*	3,978	*
	Approximately 0.6 mile downstream of the confluence of Twomile Branch	13.3	*	*	3,747	*
	At the confluence of Twomile Branch	11.2	*	*	3,374	*
	Approximately 350 feet upstream of NC Highway 49	10.7	*	*	3,281	*
	At the confluence of Second Creek Tributary 2	7.7	*	*	2,677	*
	Approximately 0.5 mile downstream of the confluence of Second Creek Tributary 3	7.4	*	*	2,608	*
	At the confluence of Second Creek Tributary 3	5.0	*	*	2,028	*
	Approximately 0.4 mile upstream of the confluence of Second Creek Tributary 3	4.8	*	*	1,995	*
Second Creek Tributary 1	At the confluence with Second Creek	0.4	*	*	408	*
Second Creek Tributary 2	At the confluence with Second Creek	2.6	*	*	1,364	*
	At the confluence with Second Creek Tributary 2A	1.7	*	*	1,046	*
Second Creek Tributary 2A	At the confluence with Second Creek Tributary 2	0.9	*	*	691	*
Second Creek Tributary 3	At the confluence with Second Creek	2.2	*	*	1,214	*

Table 8—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
Second Creek Tributary 3 (continued)	Approximately 260 feet downstream of Bombay School Road (SR 1178)	1.8	*	*	1,057	*
Silver Run Creek	At the confluence with Uwharrie River	2.1	*	*	1,170	*
	Approximately 0.4 mile downstream of Lassiter Mill Road (SR 1107)	1.7	*	*	1,022	*
Simmons Branch	At the confluence with Deep River	3.2	*	*	1,552	*
	Approximately 0.4 mile downstream of Old Walker Mill Road	2.9	*	*	1,437	*
	Approximately 1,110 feet upstream of Old Walker Mill Road	2.5	*	*	1,309	*
South Fork Jackson Creek	At the confluence with Jackson Creek	5.3	*	*	2,116	*
	Approximately 0.8 mile upstream of the confluence with Jackson Creek	4.8	*	*	1,983	*
	Approximately 1.2 miles upstream of the confluence with Jackson Creek	4.3	*	*	1,851	*
South Prong Little River	At the confluence with Little River	4.6	*	*	1,936	*
South Prong Richland Creek	At the confluence with Richland Creek	4.5	*	*	1,910	*
	Approximately 340 feet upstream of Zoo Parkway	3.5	*	*	1,641	*
	Approximately 430 feet upstream of Timberwolf Trail	2.8	*	*	1,409	*
	Approximately 0.5 mile downstream of Ross Harris Road	1.8	*	*	1,087	*
	Approximately 0.4 mile upstream of Ross Harris Road	0.6	*	*	561	*
South Prong Stinking Quarter Creek	At the Chatham/Guilford County boundary	2.7	*	*	1,590	*
	Approximately 430 feet downstream of dam	1.2	*	*	965	*

Table 8—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
South Prong Stinking Quarter Creek (continued)	Approximately 170 feet upstream of Farmhouse Road	1.0	*	*	870	*
Stinking Quarter Creek Tributary 3	At the confluence with Stinking Quarter Creek	1.3	*	*	995	*
	Approximately 50 feet upstream of Richland Church Road	1.2	*	*	953	*
Taylor Branch	At the confluence with Muddy Creek	2.5	*	*	1,329	*
	Approximately 50 feet downstream of Raymond Gray Lane	2.2	*	*	1,214	*
	Approximately 1,000 feet upstream of Tuttle Road	1.2	*	*	834	*
Taylors Creek	At the confluence of Caraway Creek	10.3	1,562	2,643	3,196	4,750
	Approximately 1.0 mile upstream of the confluence with Caraway Creek	9.8	1,516	2,569	3,108	4,623
	Approximately 0.5 mile downstream of Lassiter Mill Road (SR 1107)	9.6	1,487	2,522	3,052	4,542
	Approximately 0.3 mile upstream of Lassiter Mill Road (SR 1107)	9.0	1,433	2,434	2,946	4,390
	Approximately 1.0 mile upstream of Lassiter Mill Road (SR 1107)	7.8	1,305	2,225	2,697	4,030
	Approximately 1.6 miles upstream of Lassiter Mill Road (SR 1107)	7.6	1,277	2,179	2,643	3,951
	Approximately 2.6 miles upstream of Lassiter Mill Road (SR 1107)	6.6	1,160	1,987	2,413	3,618
	Approximately 0.5 mile downstream of Union Church Road (SR 1163)	6.2	1,112	1,908	2,319	3,481
	Approximately 0.1 mile downstream of Union Church Road (SR 1163)	5.3	1,012	1,744	2,122	3,196
Toms Creek	At the confluence with Uwharrie River	17.8	*	*	4,499	*

Table 8—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
Toms Creek (continued)	Approximately 1.2 miles downstream of NC Highway 49	17.3	*	*	4,423	*
	Approximately 0.5 mile downstream of NC Highway 49	16.8	*	*	4,351	*
	Approximately 0.1 mile upstream of NC Highway 49	16.0	*	*	4,212	*
	Approximately 0.16 mile downstream of SR 1193	15.4	*	*	4,122	*
	Approximately 0.51 mile upstream of SR 1193	14.4	*	*	3,949	*
	Approximately 1.22 miles upstream of SR 1193	14.0	*	*	3,881	*
	Approximately 1.10 miles downstream of Richey Road (SR 1306)	13.0	*	*	3,709	*
	Approximately 0.65 mile downstream of Richey Road (SR 1306)	12.0	*	*	3,522	*
	Approximately 0.17 mile downstream of Richey Road (SR 1306)	11.7	*	*	3,470	*
	Approximately 370 feet upstream of Richey Road (SR 1306)	11.1	*	*	3,349	*
	Approximately 0.5 mile upstream of Richey Road (SR 1306)	10.5	*	*	3,239	*
	Approximately 0.8 mile upstream of Richey Road (SR 1306)	9.9	*	*	3,129	*
Twomile Branch	At the confluence with Second Creek	1.9	*	*	1,098	*
	Approximately 0.18 mile upstream of the confluence with Second Creek	1.4	*	*	931	*
Twomile Creek	At the confluence with Uwharrie River	1.0	*	*	746	*
Uwharrie River	Randolph/Montgomery County Boundary	309.1	*	*	20,407	*
	At the confluence of Narrows Branch	308.1	*	*	20,397	*
	At the confluence of Lakes Creek	307.1	*	*	20,388	*

Table 8—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
Uwharrie River (continued)	At the confluence of Uwharrie River Tributary 1	306.9	*	*	20,386	*
	At the confluence of Walkers Creek	302.2	*	*	20,337	*
	Approximately 0.14 mile upstream of the confluence of Walkers Creek	301.6	*	*	20,330	*
	Approximately 0.81 mile upstream of the confluence of Walkers Creek	300.7	*	*	20,320	*
	Approximately 1.06 miles upstream of the confluence of Walkers Creek	300.3	*	*	20,316	*
	Approximately 1.41 miles downstream of the confluence of Mill Creek	299.8	*	*	20,311	*
	Approximately 1.21 miles downstream of the confluence of Mill Creek	299.3	*	*	20,305	*
	Approximately 0.82 mile downstream of the confluence of Mill Creek	298.6	*	*	20,296	*
	At the confluence of Mill Creek	297.0	*	*	20,278	*
	At the confluence of Laniers Creek	287.1	*	*	20,153	*
	At the confluence of Uwharrie River Tributary 2	285.8	*	*	20,135	*
	At the confluence of Uwharrie River Tributary 3	284.9	*	*	20,123	*
	Approximately 0.47 mile upstream of the confluence of Uwharrie River Tributary 3	283.9	*	*	20,109	*
	At the confluence of Hannahs Creek	275.0	*	*	19,975	*
	At the confluence of Silver Run Creek	272.7	*	*	19,938	*
	At the confluence of Twomile Creek	271.5	*	*	19,918	*

Table 8—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
Uwharrie River (continued)	At the confluence of Second Creek	271.0	*	*	19,911	*
	Approximately 0.6 mile downstream of the confluence of Second Creek	245.7	*	*	19,424	*
	Approximately 0.2 mile upstream of Waynick Meadow Road (SR 1174)	245.2	*	*	19,411	*
	At the confluence of Toms Creek	226.9	*	*	18,973	*
	Approximately 0.4 mile upstream of the confluence of Toms Creek	224.5	*	*	18,909	*
	Approximately 1.2 miles upstream of the confluence of Toms Creek	224.1	*	*	18,897	*
	Approximately 0.7 mile downstream of NC Highway 49	223.7	*	*	18,886	*
	Approximately 0.5 mile upstream of NC Highway 49	223.2	*	*	18,873	*
	At the confluence of Caraway Creek	124.5	*	*	14,877	*
	Approximately 0.44 mile upstream of SR 1193	124.0	*	*	14,850	*
	Approximately 0.7 mile downstream of the confluence of Jackson Creek	123.5	*	*	14,822	*
	At the confluence of Jackson Creek	103.7	*	*	13,555	*
	Approximately 0.5 mile downstream of Jackson Creek Road (SR 1314)	103.3	*	*	13,518	*
	Approximately 0.5 mile upstream of Jackson Creek Road (SR 1314)	102.1	*	*	13,425	*
	Approximately 0.8 mile downstream of the confluence of Uwharrie River Tributary 4	101.8	*	*	13,392	*
	At the confluence of Uwharrie River Tributary 4	98.0	*	*	13,080	*

Table 8—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
Uwharrie River (continued)	At the confluence of Uwharrie River Tributary 5	96.0	*	*	12,913	*
	Approximately 0.35 mile upstream of the confluence of Uwharrie River Tributary 5	95.4	*	*	12,864	*
	Approximately 0.86 mile downstream of US Highway 64	93.4	*	*	12,692	*
	Approximately 0.4 mile downstream of US Highway 64	89.2	*	*	12,337	*
	Approximately 0.14 mile upstream of US Highway 64	88.7	*	*	12,295	*
	Approximately 1.1 miles upstream of US Highway 64	85.8	*	*	12,036	*
	Approximately 1.1 miles downstream of the confluence with Little Uwharrie River	85.4	*	*	11,999	*
	Approximately 0.8 mile downstream of the confluence with Little Uwharrie River	85.1	*	*	11,975	*
	At the confluence with Little Uwharrie River	41.2	*	*	7,613	*
	At the confluence with Uwharrie River Tributary 6	38.1	*	*	7,252	*
	Approximately 0.6 mile upstream of the confluence with Uwharrie River Tributary 6	37.8	*	*	7,212	*
	Approximately 0.77 mile downstream of Snyder Country Road (SR 1548)	37.0	*	*	7,118	*
	Approximately 370 feet upstream of Snyder Country Road (SR 1548)	36.1	*	*	7,004	*
	Approximately 0.71 mile upstream of Snyder Country Road (SR 1548)	32.9	*	*	6,607	*

Table 8—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
Uwharrie River (continued)	Approximately 0.26 mile downstream of Thayer Road (SR 1549)	32.0	*	*	6,503	*
	Approximately 0.41 mile upstream of Thayer Road (SR 1549)	30.9	*	*	6,361	*
	Approximately 0.64 mile upstream of Thayer Road (SR 1549)	30.5	*	*	6,309	*
	Approximately 1.10 miles upstream of Thayer Road (SR 1549)	30.0	*	*	6,245	*
	Approximately 1.24 miles downstream of Kennedy Road (SR 3106)	28.1	*	*	5,990	*
	Approximately 0.84 mile downstream of Kennedy Road (SR 3106)	27.4	*	*	5,896	*
	Approximately 0.2 mile downstream of Kennedy Road (SR 3106)	26.0	*	*	5,709	*
	At the confluence of Uwharrie River Tributary 7	24.1	*	*	5,446	*
	Approximately 0.2 mile downstream of Millers Mill Road (SR 1545)	23.8	*	*	5,402	*
	At the confluence of Uwharrie River Tributary 8	18.6	*	*	4,623	*
	Approximately 0.3 mile upstream of the confluence of Uwharrie River Tributary 8	17.8	*	*	4,499	*
	At the confluence of Uwharrie River Tributary 9	14.4	1,955	3,279	3,951	5,832
	Approximately 0.9 mile upstream of the confluence of Uwharrie River Tributary 9	14.0	1,917	3,218	3,879	5,729

Table 8—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
Uwharrie River (continued)	Approximately 1.5 miles upstream of the confluence of Uwharrie River Tributary 9	12.9	1,819	3,059	3,690	5,459
	Approximately 1.1 miles downstream of Meadowbrook Drive (SR 1564)	12.5	1,780	2,997	3,617	5,354
	Approximately 0.7 mile downstream of Meadowbrook Drive (SR 1564)	12.0	1,735	2,923	3,529	5,228
	Approximately 0.4 mile downstream of Meadowbrook Drive (SR 1564)	10.9	1,622	2,740	3,311	4,915
	At Meadowbrook Drive (SR 1564)	10.8	1,611	2,724	3,292	4,887
	Approximately 1230 feet upstream of Meadowbrook Drive (SR 1564)	10.2	1,557	2,636	3,187	4,736
	At the confluence of Uwharrie River Tributary 10	6.5	1,150	1,971	2,395	3,592
	Approximately 330 feet downstream of Interstate 85	5.7	1,053	1,811	2,203	3,313
	Approximately 162 feet upstream of NC Highway 62	4.7	1,006	1,747	2,004	3,025
	At the confluence of Uwharrie River Tributary 11	3.0	690	1,207	1,478	2,251
	Approximately 0.2 mile upstream of the confluence of Uwharrie River Tributary 11	1.8	499	885	1,089	1,675
	Approximately 244 feet downstream of Mendenhall Road	1.7	*	*	1,024	*
	Approximately 0.4 mile upstream of Mendenhall Road	1.2	*	*	905	*
Uwharrie River Tributary 1	At the confluence with Uwharrie River	0.2	*	*	240	*
Uwharrie River Tributary 2	At the confluence with Uwharrie River	1.0	*	*	756	*

Table 8—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
Uwharrie River Tributary 3	At the confluence with Uwharrie River	0.8	*	*	659	*
Uwharrie River Tributary 4	At the confluence with Uwharrie River	3.1	*	*	1,511	*
	Approximately 0.44 mile upstream of the confluence with Uwharrie River	3.0	*	*	1,466	*
Uwharrie River Tributary 5	At the confluence with Uwharrie River (SR 1332)	1.8	*	*	1,057	*
	At Garren Town Road	1.7	*	*	1,021	*
Uwharrie River Tributary 6	At the confluence with Uwharrie River	2.8	*	*	1,424	*
	Approximately 0.3 mile upstream of the confluence with Uwharrie River	1.8	*	*	1,082	*
Uwharrie River Tributary 7	At the confluence with Uwharrie River	1.6	*	*	1,015	*
	Approximately 0.2 mile upstream of Sumner Road (SR 1546)	1.1	*	*	809	*
Uwharrie River Tributary 8	At the confluence with Uwharrie River	4.9	*	*	2,015	*
	Approximately 0.8 mile downstream of SR 1566	4.5	*	*	1,907	*
	Approximately 0.35 mile downstream of SR 1566	3.9	*	*	1,735	*
	At the confluence with Uwharrie River Tributary 8A	1.5	*	*	963	*
	Approximately 0.3 mile downstream of SR 1567	1.2	*	*	842	*
	Approximately 180 feet downstream of SR 1567	1.2	*	*	821	*
Uwharrie River Tributary 8A	At the confluence with Uwharrie River Tributary 8	2.2	*	*	1,212	*
	Approximately 500 feet upstream of the confluence with Uwharrie River Tributary 8	2.1	*	*	1,188	*

Table 8—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
Uwharrie River Tributary 9	At the confluence with Uwharrie River	2.9	*	*	1,440	*
	Approximately 0.26 mile upstream of Meadowbrook Drive (SR 1564)	2.4	*	*	1,286	*
	Approximately 0.23 mile upstream of Morris Road (SR 1557)	1.4	*	*	936	*
	Approximately 0.5 mile downstream of Rock Dam Court	0.8	*	*	666	*
	Approximately 0.5 mile upstream of Rock Dam Court	0.3	*	*	381	*
Uwharrie River Tributary 10	At the confluence of the Uwharrie River	3.6	780	1,359	1,660	2,519
	At Interstate 85	2.2	568	1,001	1,229	1,883
	Approximately 0.5 mile upstream of Surrett Drive	2.0	532	941	1,156	1,775
	Approximately 0.3 mile downstream of Pike Street	1.6	446	795	980	1,512
	Approximately 618 feet downstream of Pike Street	0.9	530	911	1,028	1,361
Uwharrie River Tributary 11	At the confluence of the Uwharrie River	1.4	584	1,019	1,161	1,564
	Approximately 546 feet downstream of Mendenhall Road	1.1	563.04	971.22	1099.94	1464.51
	Approximately 0.5 mile upstream of Mendenhall Road	0.9	530.19	910.61	1028.49	1360.82
Vestal Creek	At the confluence with Richland Creek	7.9	*	*	2,708	*
	Approximately 1,370 downstream of Pine Hill Road	6.5	*	*	2,391	*
	Approximately 0.7 mile upstream of Pine Hill Road	6.0	*	*	2,272	*
	At the confluence of Vestal Creek Tributary 3 (Upstream)	2.5	633	1,162	1,464	2,300
	At the confluence of Vestal Creek Tributary 1 (Downstream)	2.2	586	1,081	1,362	2,140

Table 8—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
Vestal Creek (continued)	At the confluence of Vestal Creek Tributary 1 (Upstream)	1.3	406	758	962	1,500
	Approximately 1,320 feet east of Hayes Drive (Upstream End)	1.0	352	660	839	1,320
Vestal Creek Tributary 1	At the confluence with Vestal Creek	0.1	88	174	276	368
Vestal Creek Tributary 2	At the confluence with Vestal Creek Tributary 3	0.3	157	304	390	625
Vestal Creek Tributary 3	At the confluence with Vestal Creek	2.6	642	1,179	1,485	2,280
	At the confluence of Vestal Creek Tributary 2	1.7	*	*	1,054	*
Wagners Branch	At the confluence with Little River	1.8	*	*	1,062	*
	Approximately 0.2 mile upstream of Little River Road	1.4	*	*	922	*
	Approximately 400 feet downstream of US 220	0.9	*	*	672	*
	Approximately 60 feet downstream of Westwood Drive (SR 1195)	0.5	*	*	484	*
Walkers Creek	At the confluence with Uwharrie River	4.2	*	*	1,819	*
Wesley Dean Branch	At the confluence with Little River	0.7	*	*	596	*
	Approximately 0.5 mile above the confluence with Little River	0.6	*	*	536	*
West Fork Little River	At Randolph/Montgomery County boundary	13.6	*	*	3,799	*
	Approximately 820 feet upstream of the Randolph/Montgomery County boundary	12.4	*	*	3,601	*
	Approximately 525 feet downstream of Cox Mill Road (SR 1115)	10.3	*	*	3,194	*
	Approximately 1.6 miles upstream of Cox Mill Road (SR 1115)	8.7	*	*	2,878	*

Table 8—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
West Fork Little River (continued)	Approximately 750 feet downstream of Abner Road (SR 1112)	6.6	*	*	2,414	*
	Approximately 1712 feet upstream of Abner Road (SR 1112)	6.1	*	*	2,295	*
	Approximately 506 feet downstream of Pisgah Covered Bridge Road	5.9	*	*	2,252	*
	Approximately 150 feet upstream of the confluence of West Fork Little River Tributary 3	5.1	*	*	2,060	*
	Approximately 50 upstream of the confluence of West Fork Little River Tributary 4	4.8	*	*	1,987	*
	At the confluence of West Fork Little River Tributary 5	3.7	*	*	1,694	*
West Fork Little River Tributary 1	At the confluence of West Fork Little River	1.9	*	*	1,111	*
West Fork Little River Tributary 2	At the confluence of West Fork Little River	1.3	*	*	872	*
West Fork Little River Tributary 3	At the confluence of West Fork Little River	0.5	*	*	460	*
West Fork Little River Tributary 4	At the confluence of West Fork Little River	0.3	*	*	335	*
West Fork Little River Tributary 5	At the confluence of West Fork Little River	0.8	*	*	664	*

*Data Not Available

Table 9, "Gage Information," lists the stream gages located in Randolph County, including the drainage area of the flooding source at the gage and the period of record available at the time of the publication of this FIS Report.

Table 9—Gage Information

Gage Number or Identifier	Flooding Source	Site Name	Drainage Area *(square miles)*	Period of Record	
				From	To
02099500	Deep River	Randleman, NC	125.00	1929	present
02100000	Muddy Creek	Archdale, NC	16.70	1935	1941
02100500	Deep River	Ramseur, NC	349.00	1901	present

[1]Drainage area determined during study may differ from drainage area published by U.S. Geological Survey.

5.2 Hydraulic Analyses

Analyses of the hydraulic characteristics of flooding from the sources studied were carried out to provide estimates of the flood elevations for the selected recurrence intervals. Locations of selected cross sections used in the hydraulic analyses are shown on the Flood Profiles. For stream segments for which BFEs were computed, selected cross-section locations are also shown on the FIRM. Flood profiles were developed showing computed water-surface elevations for floods of the selected recurrence intervals.

Users should be aware that flood elevations shown on the FIRM represent rounded whole-foot elevations and may not exactly reflect the elevations shown on the Flood Profiles or in the Floodway Data tables in the FIS Report. For construction and/or floodplain management purposes, users are encouraged to use the flood elevation data presented in the FIS in conjunction with the data shown on the FIRM.

The hydraulic analyses for this FIS were based on unobstructed flow. The flood elevations shown on the Flood Profiles are thus considered valid only if hydraulic structures remain unobstructed, operate properly, and do not fail.

Pre-Countywide Analyses

Each jurisdiction within Randolph County, with the exceptions of Town of Franklinville, the Town of Liberty, the Town of Ramseur, the City of Randleman, the Town of Seagrove, and the City of Trinity, had previously printed FIS Reports describing each community's hydraulic analyses. Those analyses have been compiled and are summarized below. These analyses remain valid for those flooding sources listed in Table 6, "Flooding Sources Studied by Detailed Methods: Redelineated."

Water-surface elevations of the 10%, 2%, 1%, and 0.2% annual chance floods of the streams studied by detailed methods were computed using the U.S. Army Corps of Engineers HEC-2 computer program. (U.S. Department of the Army, 1976).

Channel cross sections for the hydraulic analyses were determined from field survey. The overbank areas were determined using topographic maps. (U.S. Department of the Interior, 1969,

et. al.). Elevation data and structural geometry on bridges and culverts were obtained by field reconnaissance.

Starting water-surface elevations were obtained by an interative computation technique developed by Sarkar (Sarkar, 1976). This computer program, SWSE, was used to overcome the lack of data necessary to utilize the options provided by the HEC-2 program. One additional survey section at a suitable downstream location for each flooding source was taken to utilize this technique. The technique is a modified slope-area method in which the initial estimates of energy slope and water-surface elevation at the beginning cross section are successively adjusted with respect to a downstream section until the true values are arrived at for the beginning cross section within a specified limit of tolerance.

Revised Analyses for Countywide FIS

For the streams studied by detailed and limited detailed methods, water-surface elevations of floods of the selected recurrence intervals were computed through use of the Army Corps of Engineers' HEC-RAS step-backwater computer program version 3.1.1 (U.S. Department of the Army, 2003) for the Cape Fear River basin. The Army Corps of Engineers' HEC-RAS step-backwater computer program version 3.0 was used to compute the recurrence intervals for the Yadkin River basin (U.S. Department of the Army, 2001). The hydraulic analyses were based on unobstructed flow. The flood elevations shown on the profiles are thus considered valid only if hydraulic structures remain unobstructed, operate properly, and do not fail. The computer models were calibrated using historic high water data collected during field investigations. Floodway computations for detailed studied streams were run on the calibrated models using a target surcharge value of 1.0 foot.

The cross section geometries were obtained from a combination of digital elevation data obtained by Light Detection and Ranging (LIDAR) and field surveys. All bridges, dams, and culverts were field surveyed to obtain elevation data and structural geometry. Natural floodplain cross sections were surveyed approximately every 4000' along the detail study reaches to obtain the channel geometry between bridges and culverts. Overbank cross section data for the backwater analyses were obtained from recently flown LIDAR data.

Channel roughness factors (Manning's "n") used in the hydraulic computations were made in the field by an engineer where stream access was possible, and delineated on USGS Orthophoto Quarter Quads (DOQQ) used for both channel and overbank areas. The channel and overbank "n" values for all of the streams studied by detailed methods are shown in Table 10, "Roughness Coefficients."

Table 10—Roughness Coefficients

Stream	Channel "n"	Overbank "n"[1]
Asheworth Branch	0.045	0.150
Bachelor Creek	0.040-0.045	0.100-0.140
Bachelor Creek Tributary 1	0.040-0.050	0.140
Bachelor Creek Tributary 2	0.040-0.045	0.100-0.140
Bachelor Creek Tributary 3	0.040-0.050	0.100-0.140
Bachelor Creek Tributary 4	0.040-0.045	0.100-0.140

Table 10—Roughness Coefficients

Stream	Channel "n"	Overbank "n"[1]
Bachelor Creek Tributary 5	0.040-0.045	0.140-0.150
Back Creek	0.040-0.050	0.110-0.150
Back Creek Tributary 1	0.045-0.050	0.110-0.150
Back Creek Tributary 1A	0.040-0.045	0.100-0.130
Betty McGees Creek	0.040-0.050	0.110-0.150
Big Branch	0.045-0.050	0.100-0.150
Blood Run Creek	0.045-0.050	0.110-0.150
Boodom Creek	0.040-0.050	0.100-0.150
Boodom Creek Tributary 1	0.040-0.050	0.100-0.140
Boodom Creek Tributary 2	0.040-0.050	0.070-0.150
Brier Creek	0.045-0.050	0.110-0.150
Brier Creek Tributary 1	0.050	0.100-0.150
Brush Creek	0.050	0.100-0.150
Brush Creek Tributary 1	0.040-0.050	0.100-0.200
Bush Creek	0.040-0.050	0.110-0.150
Bush Creek Tributary	0.040-0.050	0.100-0.150
Cable Creek	0.045	0.110-0.150
Caraway Creek	0.048-0.055	0.060-0.150
Caraway Creek Tributary 1	0.040-0.045	0.110-0.150
Caraway Creek Tributary 2	0.040-0.045	0.100-0.150
Caraway Creek Tributary 3	0.045-0.050	0.100-0.130
Cedar Fork Creek	0.050	0.080-0.150
Deep River	0.040-0.055	0.100-0.200
Deep River Tributary 15	0.040-0.045	0.120-0.140
Deep River Tributary 16	0.040-0.045	0.120-0.140
Deep River Tributary 17	0.045-0.050	0.140-0.150
Deep River Tributary 18	0.040-0.045	0.110-0.140
Deep River Tributary 19	0.040-0.045	0.120-0.140
Deep River Tributary 20	0.040-0.045	0.110-0.140
Deep River Tributary 21	0.040-0.045	0.120-0.140
Deep River Tributary 22	0.015-0.045	0.110-0.140
Deep River Tributary 23	0.040-0.045	0.110-0.140
Deep River Tributary 24	0.050	0.120-0.150
Deep River Tributary 26	0.050	0.110-0.150
Dodsons Lake	0.045-0.050	0.100-0.150
Dodsons Lake 2	0.045-0.050	0.100-0.150
Dodsons Lake Tributary 1	0.045-0.050	0.140
Fork Creek	0.040-0.050	0.100-0.150
Fork Creek Tributary 1	0.040-0.045	0.110-0.140
Fork Creek Tributary 2	0.040-0.050	0.120-0.140

Table 10—Roughness Coefficients

Stream	Channel "n"	Overbank "n"[1]
Fork Creek Tributary 3	0.040-0.050	0.100-0.150
Gabriels Creek	0.040-0.050	0.100-0.150
Gabriels Creek Tributary 1	0.045-0.050	0.100-0.150
Gabriels Creek Tributary 2	0.040-0.050	0.100-0.140
Hannahs Creek	0.040-0.045	0.110-0.150
Hasketts Creek	0.045-0.061	0.108-0.200
Hasketts Creek Tributary 1	0.049-0.061	0.108-0.150
Hasketts Creek Tributary 2	0.050	0.130-0.150
Jackson Creek	0.040-0.045	0.100-0.150
Kings Creek	0.045-0.050	0.110-0.150
Lakes Creek	0.040	0.150
Lambert Creek	0.040-0.045	0.100-0.140
Laniers Creek	0.040-0.045	0.110-0.150
Little Brush Creek	0.040-0.050	0.110-0.150
Little Caraway Creek	0.040-0.050	0.120-0.150
Little Caraway Creek Tributary 1	0.045-0.050	0.120-0.140
Little Polecat Creek	0.050	0.110-0.140
Little Polecat Creek Tributary 1	0.045	0.100-0.140
Little Polecat Creek Tributary 2	0.045	0.140
Little Polecat Creek Tributary 3	0.050	0.140
Little Polecat Creek Tributary 4	0.050	0.110-0.140
Little Polecat Creek Tributary 5	0.050	0.110-0.140
Little River	0.040-0.045	0.110-0.150
Little River Tributary 2	0.040-0.045	0.120-0.150
Little River Tributary 3	0.040-0.045	0.150
Little River Tributary 4	0.040-0.045	0.150
Little River Tributary 5	0.040-0.045	0.150
Little River Tributary 6	0.040-0.045	0.150
Little River Tributary 7	0.040-0.045	0.150
Little River Tributary 8	0.040-0.045	0.150
Little River Tributary 9	0.040-0.045	0.150
Little River Tributary 10	0.040-0.045	0.110-0.150
Little River Tributary 11	0.040-0.045	0.120-0.150
Little River Tributary 12	0.040-0.045	0.150
Little Uwharrie River	0.035-0.055	0.045-0.150
Little Uwharrie River Tributary 1	0.045	0.150
Little Uwharrie River Tributary 4	0.045-0.050	0.120-0.150
Little Uwharrie River Tributary 5	0.045	0.110-0.150
Little Uwharrie River Tributary 6	0.045-0.055	0.100-0.150
Little Uwharrie River Tributary 6A	0.045-0.050	0.120-0.140
Little Uwharrie River Tributary 7	0.045	0.100-0.150
Little Uwharrie River Tributary 8	0.045-0.050	0.130-0.140
Little Uwharrie River Tributary 8A	0.040	0.100-0.130

Table 10—Roughness Coefficients

Stream	Channel "n"	Overbank "n"[1]
Little Uwharrie River Tributary 10	0.045-0.050	0.120-0.150
Little Uwharrie River Tributary 10A	0.045-0.050	0.120-0.150
Little Uwharrie River Tributary 11	0.040-0.050	0.110-0.140
Little Uwharrie River Tributary 11A	0.045-0.050	0.120-0.130
Long Branch	0.051	0.080-0.140
Mile Branch Tributary 1	0.045	0.130
Mile Branch Tributary 2	0.050	0.150
Mill Creek (into Deep River)	0.040-0.050	0.100-0.140
Mill Creek (into Uwharrie River)	0.045-0.050	0.100-0.140
Mill Creek Tributary 1	0.040-0.050	0.110-0.150
Mill Creek Tributary 2	0.040-0.050	0.100-0.200
Mill Creek Tributary 3	0.040-0.050	0.100-0.200
Mill Creek Tributary 4	0.040-0.045	0.140
Millstone Creek	0.040-0.050	0.100-0.140
Mount Pleasant Creek	0.040-0.050	0.100-0.140
Muddy Creek	0.045-0.053	0.100-0.150
Muddy Creek East Tributary	0.040-0.050	0.110-0.200
Muddy Creek East Tributary 2	0.050	0.150
Muddy Creek East Tributary 3	0.040-0.045	0.100-0.140
Muddy Creek East Tributary 4	0.040-0.045	0.100-0.140
Muddy Creek East Tributary 5	0.040-0.045	0.120-0.140
Muddy Creek East Tributary 6	0.040-0.045	0.120-0.200
Muddy Creek Tributary	0.040-0.045	0.110-0.150
Muddy Creek West Tributary	0.045-0.050	0.120-0.140
Nanny Branch	0.045	0.130-0.150
Narrows Branch	0.045-0.050	0.140
North Prong Creek	0.050	0.110-0.150
North Prong Richland Creek	0.040-0.050	0.120-0.150
North Prong Richland Creek Tributary	0.040-0.045	0.130-0.140
North Prong Rocky River	0.050	0.100-0.150
Penwood Branch	0.040-0.061	0.108-0.200
Penwood Branch Tributary	0.049-0.061	0.108-0.136
Polecat Creek	0.045-0.055	0.110-0.170
Polecat Creek Tributary 4	0.040-0.050	0.100-0.140
Polecat Creek Tributary 5	0.050	0.100-0.150
Polecat Creek Tributary 6	0.045	0.100-0.140
Polecat Creek Tributary 7	0.045	0.140
Reed Creek (into Deep River)	0.050	0.100-0.150
Reed Creek (into Little River)	0.040-0.045	0.120-0.140

Table 10—Roughness Coefficients

Stream	Channel "n"	Overbank "n"[1]
Reed Creek Tributary 1	0.050	0.140-0.150
Reed Creek Tributary 2	0.045-0.050	0.140-0.150
Reedy Creek	0.040-0.045	0.120-0.140
Reedy Fork	0.045-0.050	0.110-0.150
Richland Creek	0.040-0.061	0.108-0.150
Robbins Branch	0.045-0.050	0.140-0.150
Rocky River	0.050	0.100-0.150
Rocky River Tributary 2	0.040-0.050	0.100-0.150
Rocky River Tributary 3	0.045	0.100-0.140
Rocky River Tributary 4	0.040-0.050	0.100-0.150
Sand Branch	0.040	0.150
Sandy Creek	0.050	0.100-0.150
Sandy Creek Tributary 1	0.040-0.045	0.110-0.140
Sandy Creek Tributary 2	0.050	0.110-0.150
Sandy Creek Tributary 3	0.050	0.120-0.150
Sandy Creek Tributary 4	0.040-0.045	0.120-0.140
Sandy Creek Tributary 5	0.040-0.045	0.140
Sandy Creek Tributary 6	0.040-0.045	0.040-0.150
Sandy Creek Tributary 7	0.040-0.045	0.100-0.140
Sandy Creek Tributary 8	0.050	0.120-0.150
Sandy Creek Tributary 9	0.040-0.050	0.100-0.150
Sandy Creek Tributary 10	0.050	0.120-0.200
Sandy Creek Tributary 11	0.050	0.130-0.150
Second Creek	0.040-0.050	0.110-0.150
Second Creek Tributary 1	0.040-0.045	0.130-0.150
Second Creek Tributary 2	0.045	0.130-0.150
Second Creek Tributary 2A	0.040-0.045	0.150
Second Creek Tributary 3	0.040-0.045	0.110-0.140
Silver Run Creek	0.045-0.050	0.100-0.150
Simmons Branch	0.050	0.110-0.150
South Fork Jackson Creek	0.040-0.050	0.110-0.150
South Prong Little River	0.040-0.045	0.140
South Prong Richland Creek	0.050	0.110-0.150
South Prong Stinking Quarter Creek	0.035-0.05	0.145-0.150
Stinking Quarter Creek Tributary 3	0.045	0.145
Taylor Branch	0.050	0.120-0.150
Taylors Creek	0.048-0.051	0.080-0.130
Toms Creek	0.045-0.050	0.110-0.150
Twomile Branch	0.040-0.045	0.130-0.140
Twomile Creek	0.045-0.050	0.140
Uwharrie River	0.040-0.051	0.050-0.150

Table 10—Roughness Coefficients

Stream	Channel "n"	Overbank "n"[1]
Uwharrie River Tributary 1	0.045	0.150
Uwharrie River Tributary 2	0.040	0.110-0.150
Uwharrie River Tributary 3	0.040	0.130-0.150
Uwharrie River Tributary 4	0.040-0.045	0.110-0.150
Uwharrie River Tributary 5	0.040-0.045	0.150
Uwharrie River Tributary 6	0.040-0.045	0.120-0.150
Uwharrie River Tributary 7	0.045	0.100-0.150
Uwharrie River Tributary 8	0.045-0.050	0.110-0.150
Uwharrie River Tributary 8A	0.045-0.050	0.110-0.150
Uwharrie River Tributary 9	0.040-0.045	0.100-0.150
Uwharrie River Tributary 10	0.049-0.051	0.080-0.140
Uwharrie River Tributary 11	0.050-0.051	0.070-0.150
Vestal Creek	0.045-0.061	0.108-0.150
Vestal Creek Tributary 1	0.049-0.061	0.108-0.136
Vestal Creek Tributary 2	0.049-0.061	0.108-0.136
Vestal Creek Tributary 3	0.045-0.061	0.108-0.150
Wagners Branch	0.045-0.050	0.110-0.150
Walkers Creek	0.045	0.150
Wesley Dean Branch	0.045-0.050	0.130-0.150
West Fork Little River	0.040-0.050	0.110-0.150
West Fork Little River Tributary 1	0.040-0.045	0.100-0.150
West Fork Little River Tributary 2	0.040-0.045	0.140
West Fork Little River Tributary 3	0.040-0.045	0.100-0.140
West Fork Little River Tributary 4	0.040-0.045	0.120-0.140
West Fork Little River Tributary 5	0.040-0.045	0.140-0.150

[1] Does not include ineffective flow areas where n = 1.0 or 10.0

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 11, "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 discharges, and non-encroachment widths from the limited detailed studies for every modeled cross section are given in Table 11. The non-encroachment widths given at modeled cross sections can be used by communities to enforce floodplain management ordinances that meet the requirement defined in 44 CFR 60.3(c)(10).

Between cross sections for streams studied by limited detailed methods, 1% annual chance water-surface elevations should be calculated by mathematical interpolation using the distance along the stream centerline. Non-encroachment widths and, therefore, the location of a non-encroachment area boundary between cross sections should be determined based on either 1) mathematical interpolation, or 2) the non-encroachment width at the upstream or downstream cross section, whichever is larger. If the width determined by this second method is wider than the Special Flood Hazard Area (SFHA) or the 1% annual chance floodplain delineated on the FIRM for this location along the stream, the non-encroachment area shall be considered to be coincident with the SFHA. A full detailed study incorporating field survey data in the HEC-RAS hydraulic model may be submitted for a Letter of Map Revision (LOMR) request to map a regulatory floodway along a section of a stream in lieu of applying the non-encroachment widths listed in Table 11. FEMA's current (as of August 2001) map revision structure exempts submittal fees for map revision requests based solely on the submission of more detailed data.

6.1 Vertical and Horizontal Control

Vertical Datum

All FISs are referenced to a specific vertical datum. The vertical datum provides a starting point against which flood, ground, and structure elevations can be referenced and compared. Until recently, the standard vertical datum in use for newly created or revised FISs was the National Geodetic Vertical Datum of 1929 (NGVD 29). With the finalization of the North American Vertical Datum of 1988 (NAVD 88), many FISs are being prepared using NAVD 88 as the referenced vertical datum.

All flood elevations shown on the FIRM for Randolph County are referenced to NAVD 88. Structure and ground elevations in the county must, therefore, be referenced to NAVD 88. It is important to note that FISs for adjacent communities may be referenced to NGVD 29. This may result in BFE differences across political boundaries between the communities.

Prior versions of this FIS were referenced to NGVD 29. When a datum conversion is effected for an FIS, the Flood Profiles, BFEs, and bench marks reflect the new datum values. To compare structural and ground elevations to 1% annual chance flood elevations shown in this FIS, the subject structural and ground elevations must be referenced to the new datum values.

As noted above, the elevations shown in this FIS are referenced to NAVD 88. Ground, structure, and flood elevations may be compared and/or referenced to NGVD 29 by applying a standard conversion factor. The conversion factor for Randolph County is -0.76 feet. The locations used to establish the conversion factor were USGS quadrangle corners that fell within the county, as well as those that were within 2.5 miles outside the county. The benchmarks are referenced to NAVD 88. Table 12, "Datum Conversion Locations and Values," is shown below.

Table 12—Datum Conversion Locations and Values

Latitude	Longitude	Conversion from NGVD 29 to NAVD 88 (feet)
35.875	80.000	-0.75
35.875	79.875	-0.75
35.875	79.750	-0.72
35.875	79.625	-0.72
35.875	79.500	-0.74
35.750	80.000	-0.81
35.750	79.875	-0.79
35.750	79.750	-0.78
35.750	79.625	-0.69
35.625	80.000	-0.83
35.625	79.875	-0.77
35.625	79.750	-0.77
35.625	79.625	-0.72
35.500	80.000	-0.84
35.500	79.875	-0.78

Table 12—Datum Conversion Locations and Values

Latitude	Longitude	Conversion from NGVD 29 to NAVD 88 (feet)
35.500	79.750	-0.78
35.500	79.625	-0.76
Average conversion in Randolph County from NGVD 29 to NAVD 88 = -0.76 feet		

The BFEs shown on the FIRM represent whole-foot rounded values. For example, a 1% annual chance water-surface elevation of 102.4 feet will appear as 102 on the FIRM and 102.6 feet will appear as 103. Therefore, users who wish to convert the elevations in this FIS to NGVD 29 should apply the stated conversion factor(s) to elevations shown on the Flood Profiles and supporting data tables in the FIS Report, which are shown, at a minimum, to the nearest 0.1 foot.

For more information on NAVD 88, see *Converting the National Flood Insurance Program to the North American Vertical Datum of 1988*, or contact the Vertical Network Branch, National Geodetic Survey, Coast and Geodetic Survey, National Oceanic and Atmospheric Administration, Rockville, Maryland 20910 (http://www.ngs.noaa.gov).

Vertical Control Monuments

Qualifying bench marks within Randolph County that are cataloged by the National Geodetic Survey (NGS) and entered into the National Spatial Reference System (NSRS) as First or Second Order Vertical, with a vertical stability classification of A, B, or C, are shown and labeled on the FIRM with their 6-character NSRS Permanent Identifier (PID).

The National Geodetic Survey establishes precisely located monuments on the North Carolina Grid System and Bench Marks referenced to a vertical datum (NGVD 1929 and NAVD 1988).

Bench marks cataloged by the NGS and entered into the NSRS vary widely in vertical stability classification. NSRS vertical stability classifications are as follows:

- Stability A: Monuments of the most reliable nature, expected to hold position/elevation well (e.g., mounted in bedrock)
- Stability B: Monuments which generally hold their position/elevation well (e.g., concrete bridge abutment)
- Stability C: Monuments which may be affected by surface ground movements (e.g., concrete monument below frost line)
- Stability D: Mark of questionable or unknown vertical stability (e.g., concrete monument above frost line, or steel witness post)

In addition, when local jurisdictions have established their own vertical monument network, these monuments may also be shown on the FIRM with the appropriate designations. Local monuments will be placed on the FIRM if the community has requested that they be included and if the monuments meet the aforementioned criteria.

North Carolina Geodetic Survey (NCGS) and contractor surveyed vertical control monuments will be shown on the FIRM panels. Those cataloged by NCGS meet similar requirements to the NGS monuments as described above. Most monuments that have been cataloged by NCGS have been established to NGS standards, but have not been submitted to NGS for inclusion into the NSRS. The qualifying criteria for depicting bench marks established by the State's contractors on the new digital FIRM panels include:

- GPS surveying of permanent 3-D survey monuments to 5-centimeter or better local network accuracy guidelines, in accordance with NOAA Technical Memorandum NOS NGS-58 "Guidelines for Establishing GPS-Derived Ellipsoid Heights (Standards: 2 cm and 5 cm)," and conversion to NAVD 88 orthometric heights using NGS' latest geoid mode;
- Requiring a stability classification of "C" or better; and
- Submitting GPS files and station descriptions to NCGS.

To obtain current information for cataloging local bench marks in the NSRS, please visit the Data Sheet page of the NGS website at http://www.ngs.noaa.gov/datasheet.html, or contact the NGS Information Services Branch at:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

Information regarding the NCGS or State contractor bench marks can be obtained through the NCGS website at www.ncgs.state.nc.us, or by phone at (919) 733-3836.

It is important to note that temporary vertical monuments, sometimes called Elevation Reference Marks, are often established during the preparation of a flood hazard analysis for the purpose of establishing local vertical control. Although these monuments are not shown on the FIRM, interested individuals may contact FEMA to access this information.

Horizontal Datum and Control

The digital files that comprise the FIRM are georeferenced to an established coordinate system. The coordinate system used for the production of this FIRM is North Carolina State Plane (FIPSZONE 3200) referenced to the North American Datum of 1983 (NAD83), GRS80 ellipsoid.

6.2 Base Map

County orthophotos, based on 1998 aerial photography, are used as the base maps for digital FIRM production for the Cape Fear River Basin portion of Randolph County. County orthophotos, based on 2004 aerial photography, are used as the base maps for digital FIRM production for the Yadkin River Basin portion of Randolph County. The base maps are supplemented with stream centerlines, shoreline, and political boundaries, and road name data from other sources; this includes locally available GIS data.

The projection used in the preparation of this map was the North Carolina State Plane Coordinate System. The horizontal datum was NAD83, GRS80 spheroid. Differences in datum, spheroid, or projection used in the production of FIRMs for adjacent states may result in slight positional differences in map features across the state boundary. These differences do not affect the accuracy of this FIRM.

As part of the North Carolina CTS Initiative, North Carolina digital FIRM panel numbers are consistent with the North Carolina Land Records Management Program (LRMP).

The 11-digit digital FIRM panel numbering system for North Carolina is: SS MM LLLL PP X, where SS = State Federal Information Processing Code (37); MM = Easting-Northing (EN) 1,000,000-foot coordinates; LLLL = LRMP map numbers to include the EN 100,000-foot coordinates, and the EN 10,000-foot coordinates; PP = place holders for additional EN 1,000-foot coordinates; and X = suffix ("J" for the initial edition). North Carolina's State Plane Coordinate System origin is outside the State boundary to the southwest (in Georgia), the eastings range from approximately 0,404,000 (Tennessee border) to 3,040,000 (Atlantic Ocean); and the northings range from approximately 0,045,000 (South Carolina border) to 1,043,000 (Virginia border). Digital FIRM panels were compiled at either 1"=1,000', covering an area of 20,000 feet x 20,000 feet (20" x 20" panels); or at 1"=500', covering an area of 10,000 feet x 10,000 feet (20" x 20" panels). An additional 2 digits (both zeros) are held in reserve as a "place holder" in the event that future FIRMs are printed at a larger scale; e.g., 1"=250', covering an area of 5,000 feet x 5,000 feet for which the 1,000-foot coordinates would either be 0 or 5.

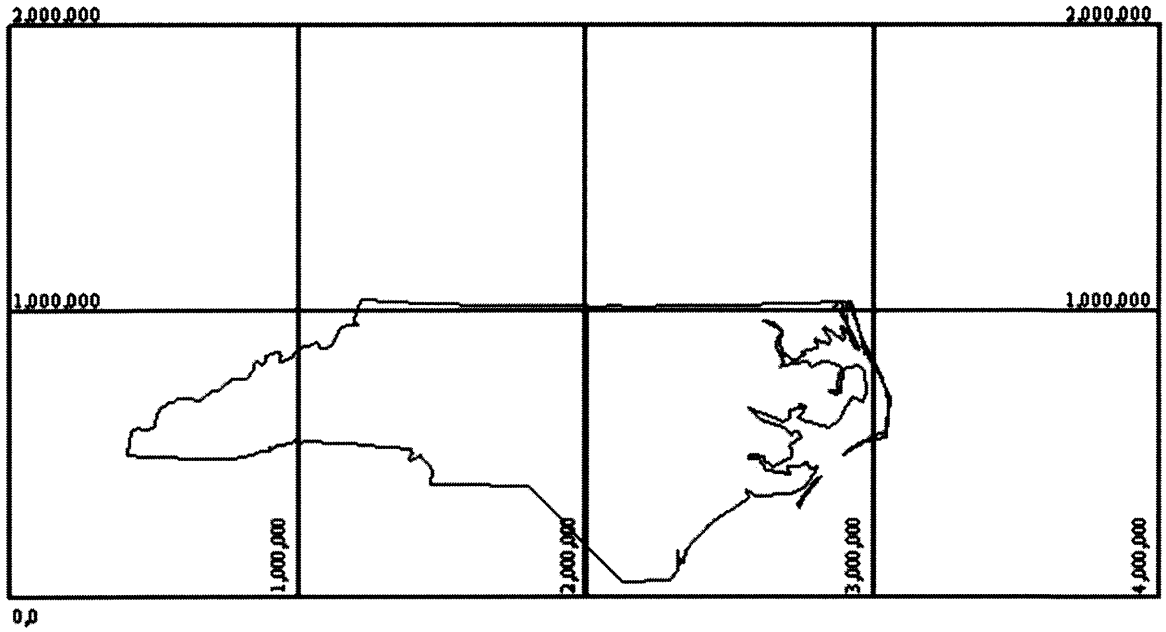

Figure 2—North Carolina's State Plane Coordinate System

6.3 Floodplain and Floodway Delineation

Floodplain Delineation

For streams restudied by detailed and limited detailed methods, the 1% and 0.2% annual chance floodplains were delineated using flood elevations determined at each cross section. Between cross sections, the boundaries were interpolated using topographic data acquired using airborne Light Detection and Ranging (LIDAR). This LIDAR data was acquired during the winter 2002-2003 flying season for the Yadkin River Basin, and during the winter 2000-2001 flying season for the Cape Fear River Basin.

The topographic data satisfies a vertical root-mean-square error (RMSE) accuracy standard of 20 cm (1.3 feet accuracy at the 95% confidence limit) for the Outer Banks and 25 cm (1.6 feet accuracy at the 95% confidence limit) for those portions of the basin lying west of the Outer Banks. These data could be contoured at roughly a 2-foot vertical contour interval. All elevations were referenced to the NAVD 88 and reflect orthometric heights. Variably spaced, bare-earth digital topographic data in ASCII point file format were combined with imagery (either flown concurrently with the LIDAR data or using existing digital orthophotos) to establish a Triangulated Irregular Network (TIN) of digital elevation points, which include selected breaklines to be used for hydraulic modeling. Furthermore, a uniformly spaced sampling of the TIN resulted in uniformly spaced Digital Elevation Models (DEMs), with 20 ft x 20 ft post spacing, which was generated in multiple file formats.

The 1% annual chance floodplain boundary corresponds to the boundary of the areas of special flood hazards (Zones VE, AO, AH, A99, AR, A, and AE), and the 0.2% annual chance floodplain boundary corresponds to the boundary of areas of moderate flood hazards. In cases where the 1% and 0.2% annual chance floodplain boundaries are close together, only the 1% annual chance floodplain boundaries have been shown.

Floodway Delineation

The floodways presented in this FIS were computed for certain stream segments on the basis of equal conveyance reduction from each side of the floodplain. Floodway widths were computed at cross sections. Between cross sections, the floodway boundaries were interpolated. The results of the floodway computations are tabulated for selected cross sections (Table 13, "Floodway Data"). The computed floodway is shown on the FIRM. In cases where the floodway and 1% annual chance floodplain boundaries are either close together or collinear, only the floodway boundary is shown. In areas where the top of the bridge or road is higher than the 1.0-percent annual chance (100-year) flood, the FIRM will show the flood discharge as contained within the structure for emergency management purposes. It is important to note that FEMA and community floodway regulations still apply in and around those areas.

Section 7.0 – Revising the FIS

This FIS is based on the most up-to-date data available to FEMA or the State at the time of production; however, flood hazard conditions change over time. Communities or private parties may request flood map revisions at any time; certain types of revisions will require the submission of supporting data. FEMA or the State may also initiate a revision. FIS revisions may take several forms; these include Letters of Map Amendment (LOMAs), Letters of Map Revision - based on Fill (LOMR-Fs), Letters of Map Revision (LOMRs), Physical Map Revisions (PMRs), and FEMA or the State-contracted restudies.

7.1 Letters of Map Amendment and Letters of Map Revision - Based on Fill

LOMAs and LOMR-Fs are documents issued by FEMA that officially remove a property and/or a structure from a Special Flood Hazard Area (SFHA), if data supporting the removal are submitted. LOMAs and LOMR-Fs are generally determinations regarding areas that are too small to be shown on a FIRM panel; consequently, the changes they describe become official without revising the FIRM or the FIS Report.

NFIP regulations require that the lowest adjacent grade (the lowest ground touching the structure) be at or above the 1% annual chance flood elevation for a LOMA to be issued. Currently, there is no fee for FEMA's review of a LOMA request, but the requester of a LOMA is responsible for providing all the information needed for the review, which may include structure and/or property elevations certified by a licensed land surveyor or professional engineer. Therefore, LOMA requesters may need to retain the services of a land surveyor or engineer.

A LOMA cannot be used for property on which fill has been placed. For those situations, a LOMR-F must be used. As a participant in the NFIP, a local government must adopt ordinances that meet the minimum Federal floodplain management standards, which are outlined in Section 60.3 of the NFIP regulations. For a number of reasons, these ordinances generally vary from community to community. Nonetheless, because the placement of fill within the floodplain can affect flood hazards in the surrounding area, additional information is needed before FEMA can process a LOMR-F request. Among the data required for a LOMR-F is the community acknowledgment form. This form is FEMA's assurance that all appropriate Federal, State, and local floodplain management requirements have been met. Furthermore, NFIP regulations require that the lowest adjacent grade (the lowest ground touching the structure) be at or above the 1% annual chance flood elevation for a LOMR-F to be issued removing the structure from the floodplain. Because LOMR-F requests are the result of changed physical conditions rather than limitations of scale or topographic definition, FEMA charges a fee for the review of a LOMR-F request. As with the LOMA, the requester of a LOMR-F is responsible for providing all supporting information, including structure and/or property elevation data.

In cases where property owners plan to add fill in the SFHA, NFIP regulations require plans and technical information to be submitted for review by FEMA before construction takes place. FEMA will issue a conditional LOMR-F stating how flood hazards would change and what portions of the property, if any, would remain in the SFHA if the project were built according to the submitted plans.

The issuance of a LOMA or LOMR-F ends the property owner's obligation to purchase flood insurance as a condition of Federal or federally backed financing. However, the property owner's mortgage company maintains the prerogative to require flood insurance as a condition of providing financing. Before attempting to obtain a LOMA or LOMR-F, property owners are advised to consult their mortgage companies regarding this policy. Even if the mortgage

company indicates that it will require flood insurance if a LOMA or LOMR-F is issued, it may be advantageous for property owners to request a LOMA or LOMR-F because flood insurance premiums are lower for properties removed from the SFHA than for properties that remain within the SFHA.

For additional information regarding LOMAs, LOMR-Fs, conditional LOMR-Fs, or current application fees, please call the FEMA Map Assistance Center toll-free information line at 1-877-FEMA MAP (1-877-336-2627).

7.2 Letters of Map Revision

A Letter of Map Revision (LOMR) is a document issued by FEMA that revises an FIS Report and/or FIRM. A LOMR is used to change flood risk zones, floodplain and/or floodway delineations, flood elevations, or planimetric features such as road systems or corporate limits. A LOMR provides FEMA with a cost-effective means of revising the FIS information without physically changing and reprinting the map or report itself. A portion of the FIRM panel or FIS Report showing the revised information is issued with the LOMR. The LOMR is sent to all affected communities and is archived in the communities' NFIP map repository for public reference.

In cases where a proposed project (such as construction in the 1% annual chance floodplain) would result in a significant rise in 1% annual chance water-surface elevations, NFIP regulations require the community to submit plans and technical information for review by FEMA before construction takes place. This assures communities participating in the NFIP that proposed projects meet minimum NFIP requirements. The result of FEMA's review is documented in a conditional LOMR.

For additional information regarding LOMRs, conditional LOMRs, or current application fees, please call the FEMA Map Assistance Center toll-free information line at 1-877-FEMA MAP (1-877-336-2627).

7.3 Physical Map Revisions

Physical Map Revisions (PMRs) are processed to incorporate information concerning conditions present in the community that are not reflected in the FIS, and involve distributing republished FISs that supersede the most current NFIP data in the community repository. PMRs may be initiated by a request from a community resident or agency, or FEMA may initiate a PMR to incorporate one or more LOMRs, to reflect significant changes in corporate limits, to correct errors, or to update flood hazards to match new information from an adjacent community's FIS. Due to the costs associated with updating and distributing FISs, map revisions will be processed as LOMRs rather than PMRs whenever possible. For more information regarding PMRs, please contact the FEMA Map Assistance Center toll-free information line at 1-877-FEMA MAP (1-877-336-2627) or the FEMA Regional Office at the address listed on the Notice to Flood Insurance Study Users page at the front of this report.

7.4 Contracted Restudies

The NFIP provides for a periodic review and restudy of flood hazards in a given community. FEMA accomplishes this through a national mapping needs assessment process that assigns priorities and allocates funds to sponsor or subsidize new flood hazard analyses used to update

FIS Reports. For more information regarding FEMA-contracted restudies, please contact the FEMA Map Assistance Center toll-free information line at 1-877-FEMA MAP (1-877-336-2627) or the FEMA Regional Office at the address listed on the Notice to Flood Insurance Study Users page at the front of this report.

7.5 Map Revision History

The current FIRM is a subset of the Statewide FIRM, showing flood hazard information for the entire geographic area of Randolph County. Previously, separate Flood Hazard Boundary Maps (FHBMs), Flood Boundary and Floodway Maps (FBFMs), and/or FIRMs were prepared for each identified flood prone jurisdiction within the county. Historical data relating to the NFIP maps prepared for each community prior to and including the January 2, 2008, North Carolina Statewide FIRM, which includes Randolph County, are presented in Table 14, "Community Map History."

Information pertaining to revised and unrevised flood hazards for each jurisdiction within Randolph County has been compiled into this FIS. Therefore, this FIS supersedes all previously printed FIS Reports, FHBMs, FIRMs, and/or FBFMs for all of the incorporated and unincorporated jurisdictions within Randolph County.

Table 14—Community Map History

Community Name	Initial Identification Date	FHBM Revision Date	FIRM Effective Date	FIRM Revision Date
City of Archdale	March 1, 1974	June 10, 1977	July 16, 1981	January 2, 2008
City of Asheboro	March 15, 1974	October 15, 1976	July 16, 1981	January 2, 2008
Town of Franklinville	February 22, 1974	July 2, 1976	July 1, 1987	January 2, 2008
Town of Liberty	January 2, 2008	NONE	January 2, 2008	
Town of Ramseur	February 15, 1974	July 30, 1976	March 1, 1987	January 2, 2008
City of Randleman	November 22, 1974	NONE	July 1, 1987	January 2, 2008
Randolph County (Unincorporated Areas)	January 3, 1975	August 18, 1978	July 16, 1981	January 2, 2008
Town of Seagrove	January 2, 2008	NONE	January 2, 2008	
City of Trinity	January 3, 1975[1]	August 18, 1978[1]	July 16, 1981[1]	January 2, 2008

[1] This community did not have its own FIRM prior to this countywide FIS. The land area for this community was previously shown on the FIRM for the unincorporated areas of Randolph County, but was not identified as a separate NFIP community. Therefore, the dates for this community were taken from the FIRM for Randolph County.

Section 8.0 – Study Contracting and Community Coordination

8.1 Authority and Acknowledgments

The sources of authority for this FIS are the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973.

This FIS revises and updates previous FISs for the geographic area of Randolph County. Table 15, "Authority and Acknowledgments," includes information for the single-jurisdiction FISs published for each community included in this countywide FIS, with the exceptions of the Town of Franklinville, the Town of Liberty, the Town of Ramseur, the City of Randleman, the Town of Seagrove, and the City of Trinity, as compiled from their previously printed FIS Reports. The table also includes information for this revision.

Table 15—Authority and Acknowledgments

Community	FIS Dated	Study Contracted by	Data Source *(Study Contractor or Source of Data)*	Contract or Inter-Agency Agreement (IAA) Number	Work Completed in *(month and/or year)*
Randolph County and Incorporated Areas	January 2, 2008	FEMA	North Carolina Floodplain Mapping Program	N/A	May 2005
Randolph County (Unincorporated Areas)	January 16, 1981	Federal Insurance Administration	H.D. Nottingham & Associates, Inc., and Moorman, Litle & Kizer, Inc.	H-4580	June 1979
City of Archdale	January 16, 1981	Federal Insurance Administration	H.D. Nottingham & Associates, Inc., and Moorman, Litle & Kizer, Inc.	H-4580	June 1979
City of Asheboro	January 16, 1981	Federal Insurance Administration	H.D. Nottingham & Associates, Inc., and Moorman, Litle & Kizer, Inc.	H-4580	June 1979

N/A – Not Applicable

This FIS Report was produced through a unique cooperative partnership between the State of North Carolina and FEMA. The State of North Carolina, through FEMA's Cooperating Technical Partner (CTP) Initiative, has become the first Cooperating Technical State (CTS) and will assume primary ownership of the NFIP FIRM panels for all North Carolina communities. This role has traditionally been fulfilled by FEMA. The North Carolina Floodplain Mapping Program is conducting flood hazard analyses and producing updated, digital FIRM panels. The

hydrologic and hydraulic analyses and the FIRM panels were produced by Watershed Concepts, under contract with the State of North Carolina.

In August 2000, the North Carolina General Assembly allocated $23 million to Phase I of the Program. FEMA has contributed an additional $10.0 million towards the Program, as well as in-kind contributions of engineering, mapping, and program management services.

8.2 Consultation Coordination Officer's Meetings/Scoping Meetings

In general, for each FIS an initial Consultation Coordination Officer's (CCO) meeting is held with representatives from FEMA, the communities, and the study contractors to explain the nature and purpose of the FIS and to identify the streams to be studied by detailed methods. A final CCO meeting is held with representatives from FEMA, the communities, and the study contractors to review the results of the study.

For each FIS produced by the State of North Carolina and FEMA's unique partnership, an Initial Scoping Meeting is held with representatives from FEMA, the county, the incorporated communities, and the State of North Carolina. A Final Scoping meeting is held to review the Draft Basin Plan and finalize the streams to be studied by detailed methods. This information is then used to create the Final Basin Plan.

The dates of the initial and final CCO meetings held for Randolph County were compiled from their previous FIS Reports and are shown in Table 16, "Consultation Coordination Officer's Meetings." Dates are not shown for the Town of Franklinville, the Town of Liberty, the Town of Ramseur, the City of Randleman, the Town of Seagrove, the Town of Staley, and the City of Trinity because these communities never had previously printed FISs.

Table 16—Consultation Coordination Officer's Meetings

Community Name	For FIS Dated	Initial CCO Date	Attended by	Final CCO Date	Attended by
City of Archdale	January 16, 1981	July 1977	Representatives of the study contractor, the Federal Insurance Administration, Randolph County, and the Cities of Archdale and Asheboro	August 14, 1980	Representatives of the Federal Insurance Administration, the study contractor, and the City of Archdale

Table 16—Consultation Coordination Officer's Meetings

Community Name	For FIS Dated	Initial CCO Date	Attended by	Final CCO Date	Attended by
City of Asheboro	January 16, 1981	July 1977	Representatives of the study contractor, the Federal Insurance Administration, Randolph County, and the Cities of Archdale and Asheboro	August 13, 1980	Representatives of the Federal Insurance Administration, the study contractor, and the City of Asheboro
Randolph County (Unincorporated Areas)	January 16, 1981	July 1977	Representatives of the study contractor, the Federal Insurance Administration, Randolph County, and the Cities of Archdale and Asheboro	August 14, 1980	Representatives of the Federal Insurance Administration, the study contractor, and the county

*Data Not Available

A Preliminary Meeting was held in Randolph County, North Carolina on August 25, 2005 to disseminate and review the FIS Report and FIRM panels for the Cape Fear River Basin portion of Randolph County, and on January 10, 2007 to disseminate and review the FIS Report and FIRM panels for the Yadkin River Basin portion of Randolph County. This meeting was attended by community officials from Randolph County and the Incorporated Communities, along with representatitves from the State of North Carolina, FEMA, Dewberry, and Watershed Concepts. A Public Participation Meeting was held on September 22, 2005 to review and discuss the FIS Report and FIRM panels for the Cape Fear River Basin of Randolph County in a public setting. A Public Participation Meeting was held on February 13, 2007 to review and discuss the FIS Report and FIRM panels for the Yadkin River Basin of Randolph County in a public setting.

The dates of the Initial and Final Scoping Meetings held for Randolph County are shown in Table 17, "Scoping Meetings."

Table 17—Scoping Meetings

Community Name	Basin	Initial Scoping Date	Attended by	Final Scoping Date	Attended by
Randolph County (Unincorporated Areas)	Cape Fear	December 6, 2000	Representatives of the State, FEMA, North Carolina Emergency Management, USDA, Dewberry, and Randolph County	March 6, 2001	Representatives of the State, FEMA, North Carolina Emergency Management, Dewberry, Greenhorne & O'Mara, and Randolph County
Town of Franklinville	Cape Fear	December 6, 2000	Representatives of the State, FEMA, North Carolina Emergency Management, USDA, Dewberry, and Randolph County	March 6, 2001	Representatives of the State, FEMA, North Carolina Emergency Management, Dewberry, Greenhorne & O'Mara, and Randolph County
Town of Liberty	Cape Fear	December 6, 2000	Representatives of the State, FEMA, North Carolina Emergency Management, USDA, Dewberry, and Randolph County	March 6, 2001	Representatives of the State, FEMA, North Carolina Emergency Management, Dewberry, Greenhorne & O'Mara, and Randolph County
Town of Ramseur	Cape Fear	December 6, 2000	Representatives of the State, FEMA, North Carolina Emergency Management, USDA, Dewberry, and Randolph County	March 6, 2001	Representatives of the State, FEMA, North Carolina Emergency Management, Dewberry, Greenhorne & O'Mara, and Randolph County

Table 17—Scoping Meetings

Community Name	Basin	Initial Scoping Date	Attended by	Final Scoping Date	Attended by
City of Randleman	Cape Fear	December 6, 2000	Representatives of the State, FEMA, North Carolina Emergency Management, USDA, Dewberry, and Randolph County	March 6, 2001	Representatives of the State, FEMA, North Carolina Emergency Management, Dewberry, Greenhorne & O'Mara, and Randolph County
Town of Seagrove	Cape Fear	December 6, 2000	Representatives of the State, FEMA, North Carolina Emergency Management, USDA, Dewberry, and Randolph County	March 6, 2001	Representatives of the State, FEMA, North Carolina Emergency Management, Dewberry, Greenhorne & O'Mara, and Randolph County
Town of Staley	Cape Fear	December 6, 2000	Representatives of the State, FEMA, North Carolina Emergency Management, USDA, Dewberry, and Randolph County	March 6, 2001	Representatives of the State, FEMA, North Carolina Emergency Management, Dewberry, Greenhorne & O'Mara, and Randolph County
City of Trinity	Cape Fear	December 6, 2000	Representatives of the State, FEMA, North Carolina Emergency Management, USDA, Dewberry, and Randolph County	March 6, 2001	Representatives of the State, FEMA, North Carolina Emergency Management, Dewberry, Greenhorne & O'Mara, and Randolph County

Table 17—Scoping Meetings

Community Name	Basin	Initial Scoping Date	Attended by	Final Scoping Date	Attended by
City of Randleman	Yadkin	November 17, 2003	Representatives of the State, FEMA, North Carolina Emergency Management, USDA, Dewberry, and Randolph County	January 17, 2006	Representatives of the State, FEMA, North Carolina Emergency Management, Dewberry, Watershed Concepts, and Randolph County
Town of Trinity	Yadkin	November 17, 2003	Representatives of the State, FEMA, North Carolina Emergency Management, USDA, Dewberry, and Randolph County	January 17, 2006	Representatives of the State, FEMA, North Carolina Emergency Management, Dewberry, Watershed Concepts, and Randolph County
Randolph County (Unincorporated Areas)	Yadkin	November 17, 2003	Representatives of the State, FEMA, North Carolina Emergency Management, USDA, Dewberry, and Randolph County	January 17, 2006	Representatives of the State, FEMA, North Carolina Emergency Management, Dewberry, Watershed Concepts, and Randolph County

*Data Not Available

Section 9.0 – Guide to Additional Information

This is a multivolume FIS. Each volume may be revised separately, in which case it supersedes the previously printed volume. Users should refer to the Table of Contents in Volume 1 for the current date of each volume; volumes bearing these dates contain the most up-to-date flood hazard data.

FISs have been prepared for Alamance County and Incorporated Areas (FEMA, 2007) and Moore County and Incorporated Areas (FEMA, 2007), Chatham County and Incorporated Areas (FEMA, 2007), Guilford County and Incorporated Areas (FEMA, 2007), and Montgomery County and Incorporated Areas (FEMA, 2008). Countywide FISs to accompany the Statewide FIRM are being prepared for Davidson County and Incorporated Areas (FEMA, 2000). All FIRM panels created for the State of North Carolina are produced in a seamless statewide format; however, FIS Reports are produced for individual counties.

Copies of FIRM panels are available for a nominal fee. To obtain a copy of the current flood map for a specific community, contact the FEMA Map Service Center at 1-800-358-9616. To facilitate the processing of your request, please review the current flood map on file at your local community repository and obtain the panel number in which you are interested. If necessary, users may also order a FIRM Index from the Map Service Center to determine the appropriate panel numbers. The Map Service Center also accepts orders for the Community Status Book and the Flood Insurance Manual. The FIS Report, FIRM panels, and digital data used to produce the FIRM panels are available online at www.ncfloodmaps.com.

Information concerning the data used in the preparation of this FIS, contained in an Engineering Study Data Package, may be obtained by contacting the FEMA Regional Office at the address listed on the Notice to Flood Insurance Study Users page at the front of this report.

Table 18, "Additional Information," contains useful contact information regarding this FIS, the FIRM, and data.

Table 18—Additional Information

FEMA and the NFIP	
FEMA website	www.fema.gov
NFIP Internet website	www.fema.gov/nfip/
Other Federal Agencies	
USGS website	www.usgs.gov/
Hydraulic Engineering Center website	www.hec.usace.army.mil/
State Agencies and Organizations	
CGIA website	www.cgia.state.nc.us/cgia/
NCGS website	www.ncgs.state.nc.us/
NCFMP website	www.ncfloodmaps.com

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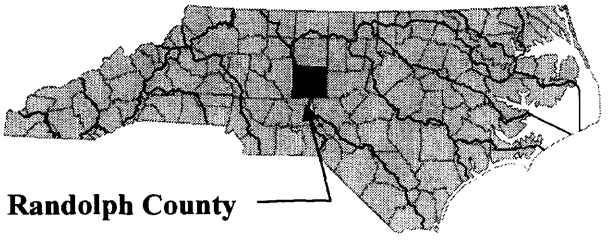
FLOOD INSURANCE STUDY

A Report of Flood Hazards in

RANDOLPH COUNTY, NORTH CAROLINA

AND INCORPORATED AREAS



Community Name	Community Number	River Basin
Archdale, City of	370273	Cape Fear/Yadkin
Asheboro, City of	370196	Cape Fear/Yadkin
Franklinville, Town of	370197	Cape Fear
Liberty, Town of	370582	Cape Fear
Ramseur, Town of	370198	Cape Fear
Randleman, City of	370199	Cape Fear/Yadkin
Randolph County (Unincorporated Areas)	370195	Cape Fear/Yadkin
Seagrove, Town of	370613	Cape Fear/Yadkin
Trinity, City of	370625	Cape Fear/Yadkin

NORTH CAROLINA
Cooperating Technical State
FEMA'S COOPERATING TECHNICAL PARTNER

VOLUME 2 OF 4

January 2, 2008

Federal Emergency Management Agency
State of North Carolina

Flood Insurance Study Number
37151CV002A

www.fema.gov and www.ncfloodmaps.com

FOREWORD

This countywide Flood Insurance Study (FIS) Report was produced through a unique cooperative partnership between the State of North Carolina and the Federal Emergency Management Agency (FEMA). The State of North Carolina has implemented a long-term approach to floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map floodplain areas at the state level. As a part of this effort, the State of North Carolina has joined with FEMA in a Cooperating Technical State (CTS) agreement to produce and maintain this FIS Report and the accompanying digital Flood Insurance Rate Map (FIRM) for North Carolina.

NOTICE TO FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

Part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current FIS components.

The following is a list of the publication dates of this Countywide FIS Report starting with the initial Report accompanying the North Carolina Statewide FIRM:

January 2, 2008

This FIS has been produced as part of the North Carolina Floodplain Mapping Program. Randolph County, North Carolina, falls under the administrative jurisdiction of Region IV of the Federal Emergency Management Agency (FEMA). Questions concerning this FIS may be directed to the North Carolina Floodplain Mapping Program at www.ncfloodmaps.com, the FEMA Map Assistance Center by calling the toll-free information line at 1-877-FEMA MAP (1-877-336-2627), or by contacting the FEMA Regional Office at the following address:

FEMA, Federal Insurance and Mitigation Administration
Koger Center - Rutgers Building
3003 Chamblee Tucker Road
Atlanta, Georgia 30341
(770) 220-5400

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Table 11—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[3] *(feet)*
ASHEWORTH BRANCH				
019	1,907	1,174	573.9	94 / 13
BACHELOR CREEK				
001	134	3,242	454.6[4]	30 / 70
006	605	3,242	454.9	58 / 15
010	1,000	3,242	455.3	37 / 17
015	1,500	3,242	458.6	54 / 69
020	2,000	3,242	458.6	34 / 36
025	2,500	3,242	459.3	19 / 53
030	3,000	3,242	460.4	20 / 33
035	3,500	3,242	461.5	34 / 52
040	4,000	3,211	462.2	191 / 15
045	4,500	3,211	462.7	24 / 278
050	5,000	3,211	463.1	96 / 276
055	5,500	3,211	463.4	320 / 50
060	6,000	3,211	464.1	81 / 400
066	6,623	3,211	464.7	196 / 25
074	7,353	3,211	466.0	21 / 18
080	8,000	3,211	469.2	16 / 51
085	8,500	3,211	470.9	38 / 88
090	9,000	3,211	471.7	296 / 111
095	9,457	3,015	471.8	62 / 249
100	10,000	2,905	472.1	46 / 138
105	10,500	2,905	472.8	79 / 25
115	11,500	2,905	479.3	44 / 30
120	12,000	2,905	482.3	14 / 65
125	12,500	2,905	486.2	38 / 90
130	13,000	2,905	487.7	65 / 75
134	13,420	2,905	489.2	55 / 55
140	14,000	2,905	493.7	117 / 30
150	15,000	2,905	496.3	94 / 30
156	15,582	2,905	497.7	350 / 40
162	16,225	2,905	497.7	27 / 50
175	17,509	2,706	503.3	190 / 50
185	18,500	2,706	505.4	112 / 80
190	19,000	2,497	506.6	50 / 40
195	19,500	2,497	508.1	90 / 130
200	20,000	2,497	509.0	100 / 30
205	20,500	2,497	510.5	44 / 30
210	21,000	2,497	512.3	100 / 100
215	21,500	2,497	513.3	33 / 70
220	21,968	2,497	514.4	113 / 105
225	22,500	2,291	516.0	100 / 85

Table 11—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[3] *(feet)*
BACHELOR CREEK				
230	22,959	2,291	517.1	26 / 124
236	23,565	2,291	519.3	12 / 36
240	24,000	2,291	522.0	14 / 43
245	24,500	2,291	524.6	70 / 26
250	25,000	2,291	525.8	16 / 92
254	25,364	2,201	527.0	148 / 26
260	26,000	2,201	528.5	43 / 14
265	26,500	2,201	531.1	71 / 24
271	27,146	2,201	533.7	28 / 198
275	27,500	2,201	534.7	30 / 78
285	28,500	2,201	537.7	120 / 29
292	29,155	2,201	539.3	88 / 99
298	29,796	2,201	540.9	67 / 108
302	30,167	2,201	542.1	30 / 29
310	31,012	1,976	545.2	174 / 31
315	31,500	1,976	546.1	48 / 109
320	32,000	1,976	547.7	55 / 20
323	32,317	1,976	550.5	31 / 20
330	33,000	1,976	554.8	34 / 140
335	33,500	1,976	556.6	13 / 64
339	33,935	1,976	560.3	41 / 30
345	34,500	1,976	567.9	9 / 43
350	35,000	1,976	571.8	16 / 65
355	35,500	1,976	574.6	23 / 51
360	36,032	1,976	577.4	24 / 101
365	36,500	1,706	578.8	13 / 126
370	36,975	1,706	580.0	62 / 166
375	37,500	1,706	581.0	26 / 165
380	38,000	1,706	582.5	89 / 27
386	38,559	1,706	584.9	183 / 61
392	39,194	1,706	587.3	18 / 180
400	39,956	1,706	591.4	94 / 18
407	40,682	1,706	595.7	14 / 121
415	41,500	1,706	599.0	35 / 26
420	42,000	1,706	602.0	126 / 146
425	42,500	1,706	603.2	52 / 114
429	42,905	1,706	605.5	59 / 90
435	43,500	1,706	609.2	167 / 30
441	44,061	1,411	610.4	69 / 200
446	44,638	1,411	611.5	102 / 161
451	45,127	1,411	613.4	182 / 40
455	45,500	1,411	615.1	118 / 30
465	46,500	1,411	618.4	82 / 65

Table 11—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[3] *(feet)*
BACHELOR CREEK				
470	47,000	1,411	620.8	55 / 107
475	47,500	1,106	622.8	41 / 109
479	47,936	1,106	624.2	19 / 116
485	48,500	1,106	625.9	53 / 91
489	48,911	1,106	627.1	124 / 30
495	49,500	1,106	629.1	114 / 65
499	49,941	1,106	630.9	139 / 42
503	50,312	1,106	632.3	168 / 15
509	50,891	1,106	634.2	64 / 32
513	51,301	1,106	635.9	77 / 17
518	51,825	627	638.2	69 / 11
525	52,495	627	642.1	36 / 27
532	53,248	627	646.7	20 / 118
536	53,596	627	648.4	25 / 79
543	54,293	368	652.7	58 / 20
BACHELOR CREEK TRIBUTARY 1				
003	305	504	471.8[4]	7 / 6
009	877	504	480.2	12 / 10
014	1,433	504	489.4	13 / 10
021	2,068	504	496.7	25 / 10
026	2,588	504	503.6	40 / 6
035	3,540	504	513.2	34 / 31
BACHELOR CREEK TRIBUTARY 2				
002	233	643	506.2[4]	44 / 28
008	814	643	506.6	89 / 12
014	1,396	643	509.9	129 / 5
021	2,054	643	514.6	31 / 24
025	2,531	643	517.9	11 / 46
031	3,060	544	521.5	13 / 41
036	3,612	544	524.8	21 / 62
BACHELOR CREEK TRIBUTARY 3				
003	278	579	514.5[4]	16 / 21
009	868	579	517.1	9 / 19
015	1,511	579	523.2	29 / 7
020	2,033	579	527.7	43 / 10
025	2,500	579	530.7	29 / 23
031	3,104	579	535.2	56 / 30
035	3,500	579	538.2	10 / 19
040	4,000	579	542.5	51 / 25
045	4,541	579	546.1	25 / 9
058	5,848	376	557.0	27 / 19
066	6,597	376	563.9	23 / 20

Table 11—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[3] *(feet)*
BACHELOR CREEK TRIBUTARY 3				
071	7,063	376	573.0	14 / 10
075	7,505	376	580.6	25 / 15
081	8,060	376	594.9	16 / 15
085	8,500	376	604.9	16 / 12
090	9,000	376	614.8	6 / 11
BACHELOR CREEK TRIBUTARY 4				
002	150	621	620.3[4]	19 / 65
007	669	621	623.6	38 / 25
012	1,222	621	629.2	12 / 31
018	1,824	621	634.5	23 / 31
022	2,242	621	637.0	14 / 38
BACHELOR CREEK TRIBUTARY 5				
002	162	632	636.8[4]	15 / 95
009	879	632	640.5	53 / 46
014	1,434	632	644.7	39 / 19
021	2,050	632	649.5	18 / 46
026	2,641	632	655.6	14 / 16
BACK CREEK				
002	228	7,227	428.6[4]	311 / 35
008	781	7,227	428.6[4]	96 / 45
013	1,264	7,227	428.6[4]	35 / 40
017	1,709	7,227	428.6[4]	35 / 41
031	3,108	7,227	428.6[4]	176 / 49
036	3,645	7,227	428.6[4]	35 / 62
044	4,418	7,116	429.1	196 / 36
049	4,940	7,116	429.5	35 / 34
055	5,469	7,116	430.4	35 / 34
060	6,042	7,116	431.3	35 / 34
065	6,502	7,116	432.1	71 / 35
071	7,101	7,116	433.0	256 / 35
076	7,597	7,116	433.6	580 / 26
083	8,272	7,116	434.4	328 / 37
091	9,108	7,116	435.6	27 / 652
099	9,852	6,487	436.3	40 / 455
106	10,572	6,487	437.2	37 / 251
111	11,115	6,487	438.5	34 / 130
115	11,549	6,487	439.3	32 / 64
121	12,057	6,433	440.3	32 / 32
125	12,547	6,433	441.4	60 / 32
130	13,002	6,433	442.2	33 / 32
137	13,693	6,433	444.0	119 / 32
142	14,166	6,433	444.6	32 / 32

Table 11—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[3] *(feet)*
BACK CREEK				
150	14,965	6,433	447.9	85 / 63
154	15,363	6,433	448.3	164 / 48
161	16,087	6,369	449.1	132 / 291
166	16,578	6,369	449.4	174 / 243
176	17,552	6,369	450.3	584 / 32
180	18,023	6,369	450.6	516 / 83
186	18,646	6,307	450.9	181 / 32
189	18,946	6,307	451.5	212 / 32
199	19,940	6,307	453.2	163 / 244
202	20,158	6,307	453.4	119 / 204
210	21,034	6,307	454.8	32 / 602
217	21,699	6,307	455.6	32 / 180
224	22,403	6,307	456.7	85 / 32
230	23,001	6,307	457.8	32 / 208
235	23,501	6,307	458.4	32 / 204
239	23,881	6,036	458.9	261 / 146
249	24,905	6,036	462.9	186 / 131
254	25,370	6,036	463.1	386 / 164
261	26,100	5,877	463.3	36 / 722
265	26,456	5,877	463.3	30 / 695
272	27,239	5,877	463.6	120 / 47
278	27,761	5,877	464.0	350 / 75
285	28,512	5,877	464.5	124 / 30
289	28,947	5,773	465.3	142 / 176
294	29,419	5,773	465.8	100 / 492
297	29,740	5,773	466.0	59 / 566
305	30,528	5,773	466.5	400 / 125
311	31,083	5,773	466.9	344 / 56
318	31,758	5,617	468.3	40 / 29
331	33,095	5,617	472.5	29 / 508
336	33,597	5,617	473.0	61 / 420
340	34,030	5,617	473.3	29 / 368
345	34,530	5,617	473.8	392 / 33
349	34,885	5,617	474.2	383 / 22
356	35,627	4,208	475.4	25 / 24
361	36,110	4,208	478.0	52 / 34
368	36,761	4,208	479.6	26 / 114
385	38,461	4,208	528.1	207 / 205
390	39,003	4,208	528.1	160 / 226
399	39,932	4,012	528.1	620 / 451
406	40,625	4,012	528.2	419 / 394
417	41,656	3,533	528.2	905 / 380
425	42,466	3,533	528.2	368 / 366

Table 11—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[3] *(feet)*
BACK CREEK				
435	43,544	3,533	528.2	452 / 392
441	44,132	3,533	528.2	391 / 296
450	45,044	3,533	528.2	151 / 390
463	46,301	3,533	528.2	579 / 564
470	47,044	3,120	528.2	473 / 331
476	47,640	3,120	528.2	253 / 182
481	48,128	3,120	528.2	108 / 213
486	48,601	3,120	528.3	97 / 416
502	50,224	3,018	528.8	36 / 265
508	50,830	3,018	529.3	35 / 373
513	51,317	2,949	529.8	194 / 200
519	51,928	2,949	530.4	103 / 178
526	52,593	2,949	531.6	330 / 19
531	53,056	2,949	532.5	323 / 19
536	53,563	2,949	533.3	347 / 19
540	54,025	2,949	534.0	319 / 19
546	54,582	2,709	535.0	135 / 146
550	55,049	2,709	536.0	19 / 119
554	55,449	2,709	537.1	19 / 235
562	56,151	2,709	538.8	19 / 214
565	56,484	2,709	539.3	19 / 74
571	57,067	2,709	540.9	125 / 55
575	57,546	2,709	541.6	185 / 44
581	58,065	2,709	542.7	111 / 19
585	58,547	2,709	543.7	74 / 35
596	59,584	2,282	547.9	128 / 17
602	60,247	2,282	551.2	372 / 17
606	60,629	2,282	552.0	234 / 18
612	61,192	2,282	554.2	153 / 41
615	61,547	2,282	555.7	131 / 25
621	62,082	2,282	557.9	38 / 23
626	62,597	2,282	560.8	28 / 64
635	63,509	2,163	563.6	17 / 18
642	64,208	2,163	570.2	31 / 18
646	64,553	2,163	571.9	37 / 37
BACK CREEK TRIBUTARY 1				
003	254	1,423	571.4[4]	33 / 14
008	841	1,423	575.0	100 / 25
014	1,400	1,423	576.6	20 / 25
021	2,145	1,423	593.6	55 / 250
025	2,516	1,423	596.7	113 / 14
030	2,967	824	598.1	12 / 172
035	3,506	824	600.0	37 / 70

Table 11—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[3] *(feet)*
BACK CREEK TRIBUTARY 1				
040	3,989	824	603.4	170 / 8
044	4,398	824	605.7	60 / 91
BACK CREEK TRIBUTARY 1A				
001	96	878	597.3[4]	96 / 12
007	712	878	600.8	25 / 93
011	1,051	878	602.1	102 / 30
BETTY McGEES CREEK				
004	434	2,778	396.5[4]	37 / 171
011	1,062	2,778	396.5[4]	157 / 19
017	1,738	2,778	396.5[4]	19 / 368
024	2,352	2,778	396.5[4]	416 / 19
029	2,930	2,778	396.5[4]	557 / 19
034	3,391	2,778	396.5[4]	478 / 24
038	3,785	2,778	396.5[4]	365 / 19
042	4,204	2,778	396.5[4]	35 / 51
047	4,721	2,778	396.5[4]	129 / 19
051	5,059	2,671	396.5[4]	118 / 21
061	6,098	2,671	396.5[4]	19 / 189
065	6,481	2,671	397.1	110 / 59
071	7,140	2,671	398.5	209 / 19
076	7,589	2,671	399.2	51 / 25
081	8,118	2,671	401.4	19 / 230
090	8,966	2,671	403.0	29 / 19
097	9,698	2,671	405.8	19 / 44
100	10,000	2,671	406.8	39 / 46
104	10,411	2,671	407.9	109 / 103
110	11,038	2,671	408.9	19 / 30
117	11,652	2,671	411.4	19 / 122
121	12,087	2,557	412.2	130 / 18
126	12,620	2,557	413.2	203 / 19
130	13,000	2,557	413.7	42 / 18
134	13,424	2,557	415.0	18 / 54
139	13,852	2,557	417.2	16 / 24
144	14,431	2,557	420.6	17 / 16
149	14,918	2,557	423.3	9 / 10
154	15,441	2,557	425.7	14 / 15
161	16,086	2,445	432.0	9 / 9
167	16,662	2,445	436.4	9 / 9
171	17,107	2,445	446.9	9 / 8
176	17,607	2,445	455.2	14 / 14
181	18,118	2,445	460.2	50 / 16
186	18,560	2,445	461.8	42 / 60
192	19,156	2,331	466.4	12 / 12

Table 11—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[3] *(feet)*
BETTY McGEES CREEK				
196	19,561	2,331	470.8	17 / 17
201	20,081	2,216	475.0	40 / 30
205	20,494	2,216	477.2	7 / 8
210	21,000	2,216	483.4	41 / 25
215	21,500	2,216	489.5	30 / 10
220	21,960	2,216	495.0	70 / 30
225	22,547	2,216	497.4	82 / 15
230	23,000	2,216	498.9	82 / 35
236	23,570	2,216	500.3	112 / 16
242	24,161	2,118	501.6	35 / 31
245	24,500	2,118	502.1	15 / 19
251	25,145	2,118	504.8	105 / 15
BIG BRANCH				
002	239	1,234	656.4[4]	13 / 13
007	724	1,234	658.6	17 / 26
014	1,419	1,234	665.0	24 / 24
018	1,807	1,234	668.0	51 / 18
024	2,366	1,234	672.4	13 / 13
029	2,948	1,234	683.0	16 / 33
035	3,503	1,188	686.4	35 / 34
BLOOD RUN CREEK				
010	1,000	2,714	495.3[4]	21 / 192
BOODOM CREEK				
021	2,094	1,637	566.5	149 / 81
025	2,539	1,637	566.8	10 / 121
030	3,000	1,637	567.8	41 / 90
035	3,500	1,637	569.0	10 / 164
047	4,671	1,637	572.0	30 / 126
051	5,128	1,637	575.1	18 / 94
056	5,597	1,637	576.7	10 / 148
060	5,993	1,514	577.8	10 / 106
065	6,500	1,514	580.3	123 / 19
069	6,868	1,514	581.6	157 / 9
072	7,201	1,210	582.9	64 / 34
085	8,500	1,210	589.8	10 / 37
091	9,072	1,088	592.2	152 / 14
096	9,646	586	598.4	79 / 7
107	10,692	586	605.6	7 / 30
110	11,000	586	609.5	27 / 20
115	11,461	586	612.6	17 / 7
119	11,929	586	618.4	25 / 23
125	12,472	586	625.8	7 / 21
135	13,459	586	645.1	46 / 12

Table 11—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[3] *(feet)*
BOODOM CREEK				
140	14,000	586	649.9	20 / 24
145	14,465	406	655.7	48 / 29
151	15,091	406	663.6	6 / 29
155	15,500	406	671.6	59 / 7
160	16,000	406	679.9	8 / 15
164	16,446	406	689.8	15 / 11
BOODOM CREEK TRIBUTARY 1				
004	427	566	566.4[4]	38 / 30
010	1,000	566	568.1	37 / 30
015	1,500	566	572.8	12 / 7
020	2,000	566	577.4	6 / 16
026	2,587	566	584.2	6 / 4
030	3,000	566	590.9	9 / 11
034	3,426	566	596.4	5 / 11
040	4,000	566	604.5	6 / 34
046	4,629	566	611.0	9 / 5
050	4,957	566	616.4	10 / 7
055	5,529	566	626.0	8 / 14
060	6,000	566	631.7	10 / 29
065	6,500	367	638.2	11 / 4
070	7,000	367	646.0	9 / 12
075	7,500	367	653.6	9 / 9
079	7,897	367	661.2	5 / 16
085	8,500	367	670.5	4 / 13
090	9,000	367	681.6	5 / 5
095	9,456	367	702.1	4 / 13
100	10,000	367	712.3	32 / 8
105	10,534	367	720.8	8 / 8
110	10,963	367	733.5	8 / 13
BOODOM CREEK TRIBUTARY 2				
002	159	673	582.0[4]	10 / 5
009	945	673	589.6	16 / 24
015	1,500	673	593.3	11 / 15
020	2,000	673	598.6	47 / 6
025	2,538	673	605.4	24 / 11
031	3,086	673	612.2	40 / 7
036	3,561	673	618.1	32 / 8
039	3,899	673	623.2	23 / 8
045	4,466	673	630.6	9 / 8
049	4,909	673	637.4	11 / 24
055	5,500	673	644.1	9 / 33
061	6,086	673	652.0	6 / 93

Table 11—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[3] *(feet)*
BOODOM CREEK TRIBUTARY 2				
065	6,500	376	656.8	7 / 6
080	8,000	376	696.2	52 / 90
086	8,620	376	696.2	81 / 52
091	9,076	376	696.2	49 / 38
094	9,397	376	699.3	8 / 12
106	10,635	376	727.2	5 / 12
BRIER CREEK				
002	234	5,702	534.3[4]	121 / 30
008	828	5,702	534.3[4]	30 / 29
014	1,375	5,702	534.8	52 / 73
019	1,920	5,702	535.5	155 / 30
025	2,483	5,702	536.8	223 / 64
035	3,500	5,702	540.8	38 / 88
039	3,930	5,702	541.7	41 / 85
044	4,415	5,702	542.9	46 / 107
051	5,061	5,702	543.9	265 / 30
056	5,565	5,702	544.7	66 / 122
060	6,000	5,702	545.3	30 / 131
064	6,428	5,702	546.1	155 / 62
BRIER CREEK TRIBUTARY 1				
005	500	1,410	546.3[4]	146 / 14
010	1,000	1,410	547.8	122 / 30
016	1,559	1,410	552.5	123 / 30
020	2,000	1,410	555.3	124 / 30
025	2,500	1,410	558.3	125 / 30
030	3,000	1,410	562.3	126 / 30
035	3,523	1,370	565.2	127 / 30
039	3,897	1,370	568.6	128 / 30
053	5,293	1,370	580.7	129 / 30
055	5,539	1,370	581.9	130 / 30
060	6,000	1,370	584.8	131 / 30
BRUSH CREEK				
001	107	10,559	362.5[4]	48 / 80
008	820	10,559	362.5[4]	83 / 37
014	1,351	10,559	362.5[4]	77 / 47
020	2,000	10,559	362.5[4]	43 / 77
025	2,534	10,559	362.5[4]	41 / 62
029	2,938	10,559	362.5[4]	114 / 42
034	3,357	10,559	362.5[4]	58 / 72
039	3,897	10,559	362.5[4]	127 / 41
044	4,405	10,559	362.5[4]	78 / 93
050	5,000	10,559	362.8	77 / 66
055	5,452	10,559	365.2	50 / 38

Table 11—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[3] *(feet)*
BRUSH CREEK				
060	6,000	10,518	367.6	34 / 44
064	6,444	10,518	369.2	41 / 37
070	7,000	10,518	370.9	36 / 36
074	7,420	10,518	372.3	54 / 66
080	8,000	10,423	373.4	36 / 35
084	8,352	10,423	374.4	50 / 37
093	9,274	10,423	375.8	53 / 53
100	10,040	10,423	376.9	67 / 41
106	10,597	10,349	377.3	38 / 36
111	11,102	10,349	378.3	33 / 71
117	11,658	10,349	378.9	48 / 52
122	12,223	10,349	379.8	72 / 43
130	13,029	10,349	382.1	76 / 35
135	13,500	10,349	382.8	36 / 44
140	14,000	10,349	383.7	45 / 35
145	14,500	10,349	384.6	35 / 35
151	15,071	10,349	385.9	33 / 36
155	15,500	10,349	386.7	41 / 48
159	15,886	10,349	387.3	35 / 59
163	16,332	10,349	387.9	55 / 36
170	17,000	10,349	388.7	36 / 149
174	17,395	10,349	389.1	51 / 75
178	17,820	10,272	389.6	45 / 68
185	18,467	10,272	390.2	49 / 56
189	18,859	10,272	390.6	34 / 52
193	19,285	10,272	391.0	34 / 64
200	20,000	9,899	392.2	53 / 68
205	20,500	9,899	392.8	37 / 63
210	21,000	9,899	393.5	33 / 62
216	21,592	9,899	394.1	39 / 55
220	22,000	9,899	394.6	77 / 42
225	22,500	9,899	395.1	85 / 47
230	23,000	9,899	395.6	38 / 87
235	23,500	9,899	396.4	35 / 52
240	24,000	9,899	397.4	40 / 60
244	24,353	9,899	398.3	54 / 73
249	24,947	9,899	399.6	33 / 49
255	25,500	9,899	403.5	36 / 62
259	25,939	9,899	406.0	33 / 47
263	26,324	9,899	408.0	43 / 61
268	26,845	7,725	409.6	29 / 98
273	27,330	7,725	410.5	26 / 93
280	28,041	7,725	411.6	27 / 96

Table 11—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[3] *(feet)*
BRUSH CREEK				
284	28,403	7,725	412.1	79 / 49
289	28,912	7,725	413.1	91 / 46
299	29,921	7,725	416.1	39 / 32
303	30,335	7,725	417.8	70 / 33
310	31,000	7,637	419.2	28 / 60
315	31,500	7,637	420.3	29 / 108
320	32,000	7,637	421.2	74 / 31
325	32,500	7,637	422.2	41 / 40
329	32,942	7,637	424.0	29 / 29
341	34,132	7,483	428.8	30 / 42
346	34,631	7,483	430.2	31 / 51
350	35,000	7,483	431.0	40 / 105
355	35,461	7,483	431.4	28 / 55
360	36,000	7,483	432.2	28 / 76
364	36,423	7,483	432.8	42 / 42
371	37,078	7,483	433.6	37 / 46
375	37,500	7,483	434.2	54 / 31
382	38,154	7,483	435.2	40 / 32
391	39,120	7,483	440.8	27 / 69
395	39,500	7,483	441.8	34 / 71
401	40,056	7,373	442.9	34 / 50
406	40,569	7,373	443.8	27 / 38
410	41,000	7,373	444.8	26 / 71
416	41,564	7,373	445.8	37 / 58
421	42,066	7,373	446.5	48 / 56
425	42,500	7,373	447.1	51 / 40
430	43,000	7,373	448.2	46 / 89
437	43,737	7,373	449.3	47 / 33
443	44,281	7,291	450.3	40 / 54
450	44,975	7,291	451.6	167 / 29
455	45,500	7,291	452.2	109 / 66
460	46,000	7,291	452.6	26 / 73
466	46,606	7,291	453.6	26 / 75
472	47,154	7,291	454.4	37 / 48
476	47,598	7,291	455.0	55 / 38
481	48,149	7,291	455.8	43 / 63
486	48,597	7,291	456.4	70 / 60
490	49,000	7,291	456.7	52 / 40
494	49,447	7,175	457.7	34 / 182
501	50,076	7,175	458.1	45 / 31
506	50,601	7,175	460.2	27 / 27
513	51,329	7,175	465.2	30 / 28
520	52,000	7,175	467.4	35 / 42

Table 11—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[3] *(feet)*
BRUSH CREEK				
525	52,500	7,175	468.9	36 / 45
530	53,000	7,175	471.2	36 / 45
535	53,500	7,094	473.7	30 / 65
541	54,100	7,094	476.4	27 / 65
549	54,857	6,881	478.1	31 / 44
552	55,223	6,881	478.8	33 / 29
558	55,809	6,881	479.9	27 / 29
563	56,296	6,881	480.6	28 / 28
573	57,279	6,881	482.1	26 / 30
581	58,076	6,881	483.4	46 / 49
590	59,000	6,881	484.3	26 / 79
595	59,500	6,881	484.8	28 / 76
599	59,929	6,881	485.3	35 / 62
603	60,313	6,881	485.7	116 / 29
610	61,000	6,806	486.5	26 / 114
614	61,442	6,558	486.9	38 / 109
621	62,060	6,558	487.4	37 / 65
626	62,642	6,329	488.4	34 / 68
630	63,000	6,329	488.8	45 / 34
634	63,423	6,329	489.7	62 / 27
639	63,926	6,329	490.6	31 / 70
643	64,325	6,329	491.1	96 / 48
651	65,114	6,329	492.0	159 / 72
656	65,571	6,329	492.4	121 / 135
660	66,000	6,329	492.5	40 / 90
665	66,500	6,298	493.0	78 / 71
670	67,000	5,951	493.5	215 / 109
676	67,579	5,951	493.7	77 / 36
681	68,063	5,951	494.2	50 / 84
685	68,538	5,951	494.7	183 / 23
690	68,962	5,951	495.0	42 / 257
694	69,411	4,815	495.4	50 / 150
700	70,000	4,815	495.8	27 / 123
705	70,500	4,815	496.5	260 / 19
713	71,253	4,815	497.2	77 / 70
718	71,791	4,815	497.6	40 / 64
930	93,000	3,957	552.5	23 / 145
935	93,500	3,957	553.0	195 / 23
940	94,000	3,957	553.6	46 / 33
945	94,500	3,957	554.5	34 / 35
947	94,725	3,957	555.2	92 / 34
956	95,623	3,580	556.5	66 / 14
959	95,905	3,580	557.7	43 / 57

Table 11—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[3] *(feet)*
BRUSH CREEK				
966	96,602	3,580	559.4	13 / 173
973	97,250	3,545	560.4	176 / 225
980	98,000	3,143	560.9	198 / 114
991	99,118	3,143	562.2	34 / 156
1000	100,000	3,005	564.5	67 / 42
1003	100,325	3,005	565.2	88 / 34
1010	101,035	3,005	566.4	86 / 36
1017	101,709	3,005	567.3	202 / 20
1024	102,427	2,340	567.7	111 / 278
1032	103,229	2,340	567.8	63 / 25
1037	103,696	2,340	568.8	217 / 61
1043	104,334	2,340	569.2	24 / 346
1052	105,242	2,340	569.8	145 / 219
1055	105,549	2,340	570.2	93 / 175
1060	106,027	2,340	571.4	114 / 41
1065	106,454	2,340	572.3	160 / 86
1069	106,928	2,340	573.0	144 / 136
1076	107,586	2,266	574.1	10 / 196
1082	108,235	2,266	575.5	19 / 21
1088	108,844	2,266	578.5	59 / 176
1093	109,309	2,019	579.0	208 / 146
1099	109,946	2,019	579.7	75 / 17
1104	110,422	2,019	582.1	10 / 61
1110	110,965	2,019	584.7	103 / 43
1114	111,446	2,019	586.2	66 / 46
1121	112,054	2,019	589.4	129 / 14
1123	112,315	2,019	589.8	68 / 13
1130	113,000	2,019	592.1	28 / 16
1134	113,395	2,019	593.9	14 / 40
1140	113,971	2,019	596.5	94 / 11
1146	114,561	1,738	598.0	40 / 63
1150	115,000	1,738	599.4	101 / 14
1155	115,477	1,738	601.1	41 / 27
1160	116,000	1,738	603.3	29 / 90
1165	116,500	1,738	604.9	107 / 10
1169	116,879	1,738	606.8	27 / 79
1175	117,482	1,738	608.5	48 / 125
1180	118,000	1,738	609.5	247 / 10
1184	118,403	1,738	610.8	53 / 18
1187	118,728	1,738	612.4	20 / 20
BRUSH CREEK TRIBUTARY 1				
003	342	1,210	567.6[4]	70 / 61
008	775	1,210	567.9	14 / 93

Table 11—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[3] *(feet)*
BRUSH CREEK TRIBUTARY 1				
019	1,888	1,210	572.0	114 / 33
025	2,501	1,124	574.7	48 / 23
033	3,317	1,124	578.2	96 / 66
039	3,915	1,124	580.5	29 / 23
044	4,378	1,124	583.8	93 / 11
049	4,861	1,124	585.3	11 / 99
058	5,823	1,124	588.2	29 / 58
073	7,269	923	597.3	45 / 35
BUSH CREEK				
004	363	3,774	490.9[4]	60 / 80
010	1,000	3,774	492.4	15 / 30
015	1,500	3,774	497.5	30 / 30
020	1,983	3,774	499.1	21 / 22
025	2,491	3,774	500.5	35 / 22
030	3,000	3,774	503.1	20 / 17
035	3,542	3,774	505.2	37 / 23
040	4,029	3,774	506.2	28 / 46
045	4,500	3,774	507.5	57 / 37
051	5,142	3,674	508.9	94 / 24
055	5,500	3,674	510.0	84 / 81
060	6,044	3,674	510.7	70 / 21
066	6,598	3,674	512.5	51 / 25
070	7,000	3,674	514.2	37 / 20
075	7,500	3,674	519.3	19 / 20
080	8,000	3,674	525.2	20 / 21
085	8,500	3,674	529.8	20 / 41
090	8,954	3,674	530.8	17 / 27
095	9,541	3,674	534.7	89 / 18
100	10,000	3,674	536.0	82 / 26
105	10,500	3,674	538.3	17 / 27
110	11,000	3,674	540.6	19 / 37
114	11,437	3,674	542.6	39 / 91
120	12,000	3,674	543.9	89 / 45
125	12,500	3,674	545.0	25 / 61
130	13,000	3,674	546.7	44 / 73
140	14,000	3,528	548.6	21 / 90
145	14,500	3,528	553.4	66 / 44
150	15,000	3,528	557.9	40 / 61
160	16,000	3,528	565.9	36 / 33
165	16,500	3,528	569.4	124 / 52
170	17,000	3,528	571.3	11 / 155
175	17,500	2,181	572.5	15 / 90
181	18,109	2,181	574.9	14 / 59

Table 11—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[3] *(feet)*
BUSH CREEK				
185	18,500	2,181	578.3	100 / 18
190	19,000	2,181	579.3	40 / 17
195	19,500	2,181	583.5	13 / 79
200	20,000	2,181	588.1	13 / 10
205	20,500	2,181	595.6	10 / 10
210	21,000	2,181	601.7	35 / 17
215	21,485	2,181	603.2	45 / 19
220	22,000	2,181	604.6	27 / 22
225	22,500	2,181	606.6	116 / 42
230	23,038	2,067	607.9	26 / 94
235	23,500	2,067	610.2	21 / 100
240	24,000	2,067	613.2	194 / 17
247	24,678	2,067	615.1	10 / 203
251	25,128	2,067	616.5	18 / 177
257	25,662	2,067	618.7	178 / 34
261	26,087	2,067	619.7	45 / 147
270	27,000	1,832	623.0	16 / 206
275	27,500	1,832	624.1	195 / 16
280	28,000	1,832	625.5	64 / 136
286	28,609	1,832	627.4	142 / 21
291	29,121	1,832	629.0	100 / 42
295	29,500	1,832	630.5	11 / 77
300	30,000	1,832	633.0	40 / 53
305	30,500	1,832	635.0	76 / 16
310	31,000	1,578	638.3	84 / 47
315	31,500	1,578	640.1	118 / 32
321	32,069	1,578	642.0	30 / 58
326	32,587	1,578	644.8	102 / 90
331	33,056	1,578	645.8	62 / 69
335	33,500	1,578	647.7	93 / 156
340	33,956	1,578	649.1	15 / 82
345	34,500	1,578	652.0	55 / 13
349	34,859	1,578	653.9	35 / 42
355	35,500	1,446	656.0	127 / 15
360	36,000	1,446	657.3	23 / 74
365	36,500	1,446	658.7	15 / 88
370	37,000	1,446	660.4	55 / 11
375	37,500	1,446	663.9	74 / 14
380	38,000	1,446	666.1	44 / 14
385	38,500	1,446	668.7	31 / 60
391	39,059	1,446	671.6	20 / 46
395	39,543	1,446	674.0	35 / 39
403	40,318	1,446	678.5	18 / 39

Table 11—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[3] *(feet)*
BUSH CREEK				
410	41,000	1,446	682.6	48 / 28
415	41,500	1,446	685.5	35 / 34
420	42,000	1,446	689.1	65 / 15
429	42,888	1,446	693.0	38 / 21
434	43,415	1,446	700.7	33 / 15
440	43,975	1,196	705.4	96 / 12
445	44,500	1,196	707.7	18 / 18
BUSH CREEK TRIBUTARY				
004	396	2,153	572.3[4]	22 / 10
010	1,000	2,153	578.2	36 / 14
015	1,500	2,153	583.0	28 / 12
019	1,939	2,153	591.5	24 / 12
025	2,500	2,153	602.4	132 / 10
031	3,085	2,153	606.0	104 / 26
035	3,500	2,153	606.5	14 / 17
040	4,000	2,153	610.8	27 / 32
045	4,500	2,153	613.3	160 / 27
055	5,540	2,038	615.4	107 / 141
060	6,000	2,038	616.0	149 / 115
065	6,500	2,038	617.4	9 / 134
070	7,000	2,038	620.0	54 / 122
075	7,500	2,038	621.3	70 / 102
080	8,000	1,549	623.2	120 / 30
085	8,500	1,549	625.0	205 / 17
CABLE CREEK				
004	412	1,924	435.7[4]	17 / 27
008	837	1,924	435.7[4]	17 / 150
016	1,561	1,924	437.8	34 / 93
020	2,035	1,924	439.7	125 / 300
025	2,463	1,856	441.2	215 / 16
031	3,125	1,856	443.0	203 / 16
037	3,656	1,856	445.1	75 / 78
044	4,418	1,755	447.6	185 / 16
048	4,844	1,755	449.0	16 / 156
051	5,135	1,755	450.3	129 / 69
060	5,986	1,755	452.8	16 / 205
064	6,359	1,755	453.8	16 / 153
068	6,827	1,755	455.6	151 / 59
CARAWAY CREEK				
011	1,106	13,096	410.8[4]	786 / 777
015	1,531	13,096	410.8[4]	887 / 58
021	2,098	13,096	410.8[4]	453 / 160
026	2,564	13,096	410.8[4]	36 / 510

Table 11—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[3] *(feet)*
CARAWAY CREEK				
031	3,135	13,096	410.8[4]	143 / 567
035	3,504	13,057	410.8[4]	37 / 529
040	4,015	13,057	410.8[4]	138 / 138
045	4,545	13,057	410.8[4]	46 / 80
050	5,034	13,057	411.1	75 / 36
055	5,500	13,057	412.0	36 / 122
061	6,051	13,057	412.8	36 / 428
066	6,613	13,014	413.1	353 / 48
071	7,059	13,014	413.4	45 / 286
076	7,625	12,134	413.8	62 / 320
080	7,970	12,134	414.0	374 / 42
085	8,500	12,134	414.5	730 / 35
092	9,161	12,134	414.9	252 / 406
097	9,687	12,134	415.1	691 / 114
102	10,167	12,134	415.3	721 / 120
106	10,554	12,134	415.5	450 / 330
113	11,277	12,134	415.7	813 / 35
126	12,614	12,134	416.2	142 / 885
132	13,176	12,103	416.3	497 / 413
137	13,670	12,103	416.4	720 / 51
140	13,966	12,103	416.5	838 / 39
149	14,873	12,103	417.0	370 / 119
152	15,164	12,103	417.1	190 / 46
155	15,457	12,103	417.1	69 / 33
159	15,909	12,103	418.3	131 / 65
164	16,361	12,103	419.2	629 / 250
179	17,910	12,065	420.4	171 / 307
185	18,511	12,065	420.7	35 / 404
192	19,201	12,021	421.3	290 / 662
197	19,708	12,021	421.4	346 / 706
202	20,224	12,021	421.5	596 / 364
206	20,563	12,021	421.6	646 / 592
210	21,034	12,021	421.7	853 / 350
219	21,944	12,021	422.0	111 / 589
225	22,523	12,021	422.1	36 / 179
229	22,882	12,021	422.6	74 / 72
235	23,451	11,975	423.8	130 / 272
241	24,074	11,975	424.6	115 / 45
251	25,058	11,975	426.7	95 / 94
256	25,642	11,975	427.7	284 / 54
263	26,301	11,975	428.1	110 / 250
272	27,177	8,220	428.6	64 / 134
276	27,636	8,220	429.0	69 / 466

Table 11—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[3] *(feet)*
CARAWAY CREEK				
282	28,161	8,220	429.1	503 / 512
288	28,769	8,220	429.1	57 / 771
296	29,570	8,191	429.3	283 / 654
300	30,012	8,191	429.4	31 / 903
310	30,951	8,191	429.6	701 / 136
314	31,357	8,191	429.6	450 / 236
318	31,848	8,191	429.8	105 / 370
326	32,610	8,191	430.2	642 / 39
333	33,316	8,167	430.5	164 / 812
337	33,718	8,167	430.7	141 / 616
346	34,579	8,167	431.0	42 / 759
350	35,010	8,118	431.2	41 / 679
355	35,466	8,118	431.5	30 / 736
359	35,887	8,118	431.7	30 / 517
366	36,596	8,118	432.4	275 / 213
370	36,968	8,118	432.7	361 / 30
374	37,422	8,118	433.4	508 / 30
383	38,310	8,046	434.1	30 / 1,016
387	38,709	8,046	434.4	207 / 925
391	39,127	8,046	434.7	126 / 697
396	39,585	8,046	435.0	30 / 722
405	40,500	8,046	436.0	337 / 333
410	40,952	8,046	436.4	325 / 380
414	41,448	7,998	436.9	38 / 512
420	42,019	7,998	437.7	65 / 525
426	42,553	7,865	438.4	97 / 778
430	42,974	7,865	438.6	29 / 766
436	43,636	7,865	439.3	350 / 201
440	44,032	7,865	439.9	169 / 509
448	44,823	7,865	440.6	25 / 920
458	45,825	7,773	441.3	29 / 683
463	46,348	7,773	442.0	148 / 543
468	46,839	7,773	442.5	293 / 454
476	47,589	7,773	443.2	29 / 953
482	48,189	7,773	443.7	29 / 734
487	48,732	7,484	444.3	616 / 635
492	49,244	7,484	444.7	567 / 227
497	49,732	7,484	445.3	302 / 208
510	50,980	7,357	449.2	229 / 49
523	52,345	7,357	450.7	65 / 821
530	52,994	7,357	450.9	451 / 710
536	53,642	7,357	451.0	195 / 280
541	54,144	7,357	451.4	39 / 186

Table 11—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[3] *(feet)*
CARAWAY CREEK				
547	54,683	7,357	451.9	53 / 49
551	55,124	7,357	452.5	36 / 43
555	55,500	7,357	453.2	38 / 59
561	56,136	7,357	454.0	55 / 28
566	56,647	7,225	454.9	41 / 49
571	57,087	7,225	456.5	42 / 56
575	57,481	7,225	457.7	91 / 53
579	57,945	7,225	458.6	27 / 367
585	58,500	7,225	459.1	287 / 36
590	59,000	7,225	459.7	454 / 27
596	59,588	7,225	459.9	211 / 28
601	60,056	7,225	460.5	67 / 172
606	60,646	5,905	460.9	62 / 32
611	61,132	5,905	461.6	25 / 250
616	61,604	5,905	462.7	30 / 260
621	62,126	5,905	463.7	409 / 80
625	62,500	5,905	464.0	26 / 321
631	63,095	5,905	464.8	388 / 125
640	64,033	5,905	466.3	215 / 24
645	64,467	5,905	466.9	335 / 35
650	65,017	5,905	467.4	286 / 59
656	65,648	5,781	468.1	155 / 291
661	66,109	5,781	468.5	116 / 108
667	66,696	5,781	469.3	26 / 198
672	67,150	5,781	470.0	26 / 383
677	67,672	5,781	470.4	40 / 114
683	68,314	5,781	471.3	62 / 26
687	68,717	5,781	472.0	27 / 126
691	69,067	5,781	472.5	26 / 118
696	69,586	5,781	473.3	171 / 26
702	70,177	5,781	474.0	26 / 271
706	70,574	5,781	474.6	26 / 454
714	71,368	5,698	475.4	356 / 172
721	72,149	5,698	476.2	57 / 132
725	72,540	5,698	476.8	34 / 139
732	73,218	5,698	477.7	298 / 39
738	73,820	5,698	478.5	200 / 25
750	74,958	5,698	480.1	26 / 574
754	75,448	5,698	480.4	26 / 416
759	75,911	5,698	481.0	34 / 318
766	76,599	5,624	482.2	26 / 181
770	76,977	5,624	483.8	108 / 160
774	77,382	5,549	484.8	55 / 278

Table 11—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[3] *(feet)*
CARAWAY CREEK				
779	77,873	5,549	485.8	359 / 26
785	78,500	5,455	486.9	191 / 180
796	79,595	5,296	489.1	89 / 214
801	80,102	5,296	490.1	118 / 27
806	80,555	5,296	490.8	56 / 24
811	81,080	5,296	492.0	25 / 126
814	81,429	5,296	492.6	25 / 102
819	81,894	5,296	493.6	47 / 54
823	82,291	5,296	494.0	116 / 24
827	82,653	4,431	494.9	404 / 22
831	83,125	4,431	496.4	292 / 22
837	83,719	4,431	498.1	470 / 98
842	84,235	4,431	499.1	131 / 22
847	84,663	4,431	500.2	22 / 102
850	85,000	4,431	501.2	22 / 96
856	85,646	4,431	503.3	26 / 22
860	86,021	4,431	505.1	22 / 59
865	86,542	4,402	507.3	24 / 22
872	87,198	4,402	509.7	48 / 21
876	87,627	4,402	510.9	26 / 38
881	88,092	4,402	512.0	22 / 103
886	88,625	4,402	512.9	34 / 95
890	88,959	4,402	513.4	28 / 26
895	89,489	4,202	514.8	34 / 21
903	90,322	4,202	517.0	74 / 26
911	91,060	4,202	518.8	48 / 32
917	91,718	4,202	520.6	54 / 21
922	92,227	4,202	522.1	21 / 91
927	92,692	4,202	522.8	62 / 44
935	93,477	4,202	524.9	21 / 110
CARAWAY CREEK TRIBUTARY 1				
004	391	2,105	494.2[4]	15 / 15
010	1,027	2,105	495.5	20 / 93
015	1,500	2,105	496.9	17 / 32
020	2,000	2,105	499.1	17 / 17
025	2,500	2,105	501.6	16 / 32
030	3,000	2,105	503.4	22 / 17
034	3,373	2,105	505.1	17 / 17
040	4,000	2,023	508.7	44 / 12
045	4,500	2,023	511.0	17 / 29
052	5,201	2,023	513.8	17 / 117
058	5,754	2,023	515.1	17 / 45
064	6,390	2,023	519.7	17 / 51

Table 11—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[3] *(feet)*
CARAWAY CREEK TRIBUTARY 1				
068	6,833	1,911	522.4	76 / 16
075	7,500	1,911	526.1	20 / 16
080	8,000	1,911	529.4	16 / 17
084	8,385	1,911	532.5	37 / 45
089	8,906	1,911	536.3	120 / 47
095	9,500	1,911	538.0	75 / 16
102	10,171	1,911	541.9	39 / 36
108	10,844	1,485	545.9	123 / 15
116	11,612	1,485	548.8	14 / 165
125	12,540	1,485	555.2	58 / 5
130	12,983	1,485	558.3	14 / 35
137	13,700	1,485	564.6	15 / 37
140	14,030	1,485	566.8	21 / 14
147	14,700	1,485	572.5	26 / 17
158	15,797	1,336	593.1	117 / 190
165	16,500	1,336	593.1	57 / 41
170	17,000	1,336	593.2	17 / 21
174	17,383	1,336	594.3	9 / 11
CARAWAY CREEK TRIBUTARY 2				
002	157	2,066	542.6[4]	17 / 17
006	647	2,066	542.6[4]	17 / 17
015	1,547	1,885	547.0	61 / 16
021	2,076	1,885	551.8	16 / 29
025	2,521	1,885	556.1	7 / 6
030	3,000	1,885	565.5	15 / 17
036	3,577	1,885	571.9	16 / 64
040	4,000	1,885	574.8	27 / 18
045	4,479	1,449	578.4	14 / 24
050	4,953	1,449	582.9	31 / 18
055	5,500	1,449	590.2	14 / 14
060	6,000	1,449	597.6	11 / 11
066	6,560	1,449	608.2	11 / 11
079	7,863	1,449	624.2	14 / 98
083	8,332	1,449	627.2	14 / 39
CARAWAY CREEK TRIBUTARY 3				
001	140	777	681.1[4]	12 / 68
008	829	777	682.5	54 / 25
015	1,500	746	686.9	12 / 29
019	1,945	746	689.4	27 / 68
023	2,256	746	690.6	12 / 16
DEEP RIVER				
3105	310,471	41,731	353.7	337 / 211
3117	311,711	41,731	353.9	236 / 132

Table 11—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[3] *(feet)*
DEEP RIVER				
3128	312,802	39,628	354.1	232 / 132
3138	313,805	39,628	354.3	134 / 132
3147	314,671	39,628	354.4	134 / 112
3158	315,763	39,628	354.7	135 / 120
3168	316,790	39,616	354.9	140 / 143
3179	317,868	39,616	355.1	124 / 174
3188	318,786	39,616	355.3	137 / 122
3198	319,779	39,616	355.5	130 / 147
3208	320,790	39,574	355.6	121 / 140
3218	321,797	39,574	355.8	115 / 127
3228	322,797	39,480	356.1	136 / 118
3238	323,811	39,480	356.2	112 / 120
3250	324,985	39,480	356.4	116 / 127
3258	325,798	39,480	356.6	131 / 129
3268	326,798	39,480	356.9	140 / 305
3277	327,669	39,435	357.0	205 / 150
3288	328,779	39,435	357.1	114 / 200
3306	330,632	38,783	357.6	152 / 136
3313	331,278	38,783	357.8	152 / 136
3323	332,300	38,783	358.1	152 / 136
3332	333,245	38,783	358.5	152 / 136
3341	334,128	38,783	358.7	133 / 119
3353	335,346	38,758	359.0	152 / 136
3365	336,462	38,758	359.2	152 / 136
3374	337,414	38,715	359.4	152 / 136
3381	338,100	38,715	359.5	152 / 136
3391	339,058	38,642	359.7	110 / 130
3403	340,293	38,642	359.9	135 / 121
3412	341,165	38,427	360.1	135 / 121
3423	342,281	38,427	360.4	135 / 121
3433	343,294	38,421	360.7	135 / 121
3443	344,272	38,421	360.9	135 / 121
3453	345,284	38,421	361.2	135 / 121
3463	346,278	38,421	361.5	135 / 121
3473	347,313	38,421	361.8	147 / 168
3483	348,294	38,421	362.2	110 / 186
3492	349,237	38,421	362.4	116 / 123
3503	350,258	37,235	362.7	99 / 120
3512	351,209	37,229	363.1	97 / 113
3522	352,230	37,229	363.6	97 / 150
3533	353,317	37,229	364.5	97 / 258
3543	354,342	37,229	365.0	97 / 141
3553	355,313	37,229	365.8	97 / 130

Table 11—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[3] *(feet)*
DEEP RIVER				
3562	356,236	37,229	366.9	120 / 97
3571	357,149	37,229	368.0	113 / 133
3584	358,371	36,160	369.7	89 / 125
3593	359,285	36,160	371.3	131 / 90
3602	360,193	36,152	372.6	93 / 130
3612	361,229	36,152	374.4	90 / 99
3623	362,342	36,134	376.5	93 / 127
3632	363,206	36,134	378.0	109 / 146
3644	364,350	36,115	379.4	88 / 102
3652	365,228	36,115	380.6	88 / 102
3663	366,337	36,091	382.2	100 / 132
3672	367,218	36,091	383.5	126 / 141
3683	368,319	36,091	385.3	87 / 119
3694	369,367	36,080	389.2	158 / 120
3702	370,219	36,080	393.1	179 / 140
3733	373,286	36,080	407.6	88 / 121
3742	374,214	36,063	409.6	88 / 121
3751	375,147	35,990	411.3	131 / 92
3763	376,287	35,990	413.1	118 / 148
3773	377,303	35,936	414.8	118 / 148
3782	378,238	35,936	416.0	118 / 135
3793	379,300	35,936	417.3	128 / 145
3803	380,263	35,936	419.0	191 / 221
3813	381,263	35,936	420.1	86 / 150
3823	382,301	35,927	421.4	86 / 113
3833	383,337	35,864	422.8	95 / 125
3843	384,313	35,864	423.9	150 / 141
3853	385,293	35,864	425.1	101 / 121
3878	387,763	35,864	428.0	87 / 120
3888	388,830	35,600	428.8	89 / 116
3898	389,811	35,600	429.6	86 / 129
3907	390,706	35,600	430.2	99 / 97
3919	391,905	35,120	430.9	99 / 97
3928	392,836	35,120	431.6	99 / 97
3938	393,794	35,120	432.1	88 / 96
3948	394,777	35,120	432.7	88 / 114
3959	395,876	35,106	433.3	98 / 107
3970	396,980	35,106	434.0	119 / 129
3977	397,701	35,106	434.4	84 / 84
3989	398,946	35,078	435.0	89 / 98
3998	399,789	35,078	435.4	91 / 106
4008	400,769	35,078	435.9	93 / 107
4018	401,757	35,078	436.3	99 / 125

Table 11—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[3] *(feet)*
DEEP RIVER				
CROSS SECTIONS SHOWN ON FLODWAY DATA TABLE AND PROFILE FOR THIS PORTION				
4610	461,049	24,500	580.3	100 / 450
4620	461,956	24,500	580.8	350 / 200
4628	462,807	24,500	581.0	250 / 450
4638	463,807	24,500	581.5	125 / 200
4648	464,807	24,400	581.9	480 / 145
4656	465,603	24,400	582.1	650 / 160
4667	466,740	24,300	582.3	200 / 230
4673	467,307	24,300	582.6	200 / 210
4682	468,176	24,300	582.9	200 / 218
4688	468,807	24,300	583.2	150 / 200
4695	469,504	24,300	583.4	100 / 300
4700	470,018	24,100	583.5	80 / 300
4708	470,807	24,100	583.6	50 / 150
4715	471,480	24,100	584.0	200 / 100
4723	472,300	24,100	584.2	100 / 150
4730	473,036	24,100	584.5	300 / 200
4738	473,807	24,100	584.7	200 / 110
4745	474,477	24,100	584.9	70 / 300
4757	475,730	24,100	598.4	264 / 205
4763	476,307	19,900	598.5	187 / 137
4767	476,733	19,900	598.6	209 / 144
4773	477,307	19,800	598.9	174 / 218
4778	477,764	19,800	599.0	168 / 241
4783	478,307	19,800	599.1	167 / 121
4788	478,807	19,800	599.2	100 / 176
4793	479,307	19,800	599.6	140 / 284
4796	479,643	19,800	599.6	158 / 300
4803	480,307	19,800	599.8	147 / 203
4808	480,807	19,800	599.9	76 / 152
4813	481,305	19,800	600.1	55 / 226
4818	481,807	19,800	600.3	180 / 126
4823	482,259	19,800	600.5	265 / 78
4828	482,807	19,800	600.7	92 / 244
4834	483,441	19,800	600.8	52 / 270
4840	484,044	19,800	601.0	67 / 163
4849	484,863	19,800	601.6	71 / 144
4853	485,307	19,800	601.7	55 / 120
4858	485,807	19,700	602.2	143 / 113
4863	486,307	19,700	602.8	158 / 95
4868	486,807	19,700	603.2	73 / 99

Table 11—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[3] *(feet)*
DEEP RIVER				
4878	487,807	19,700	604.3	55 / 140
4888	488,760	19,500	606.1	52 / 54
4893	489,307	19,500	609.9	54 / 89
4898	489,807	19,500	611.5	226 / 57
4908	490,807	19,500	612.4	29 / 100
4913	491,307	19,500	617.6	67 / 129
4923	492,303	19,500	618.0	228 / 29
4931	493,144	19,500	620.0	81 / 209
4938	493,807	19,500	621.4	38 / 291
4943	494,295	19,500	622.9	29 / 264
4953	495,307	19,400	624.8	136 / 139
4958	495,807	19,400	625.8	137 / 98
4968	496,807	19,400	628.0	115 / 144
4973	497,307	19,400	629.1	316 / 85
4978	497,807	19,400	629.4	101 / 228
4983	498,307	19,400	631.3	79 / 131
4993	499,307	19,400	633.2	69 / 174
5002	500,152	19,100	634.4	862 / 102
5008	500,807	19,100	634.7	599 / 93
5013	501,307	19,100	635.1	320 / 139
5035	503,471	19,100	636.4	207 / 158
5043	504,307	18,900	637.8	666 / 181
5053	505,307	16,900	638.4	179 / 370
5064	506,418	16,900	638.6	59 / 80
5073	507,307	16,900	643.2	28 / 231
5083	508,307	16,900	645.6	262 / 184
5088	508,807	16,800	646.1	578 / 199
5098	509,807	16,800	646.5	27 / 325
5109	510,903	16,800	647.8	24 / 156
5114	511,415	16,800	648.5	27 / 164
5128	512,807	16,800	649.9	103 / 71
5135	513,462	16,800	650.6	47 / 119
5143	514,307	16,800	651.7	143 / 73
5153	515,307	16,800	652.7	47 / 282
5159	515,881	16,800	653.1	52 / 156
5168	516,807	16,800	654.0	33 / 111
5178	517,807	16,700	655.1	199 / 75
5183	518,281	16,700	655.4	186 / 73
5193	519,307	16,700	656.2	123 / 74
5198	519,807	16,700	656.7	102 / 113
5207	520,732	16,700	657.4	151 / 64
5213	521,307	16,700	657.8	74 / 209
5223	522,307	16,700	658.7	48 / 193

Table 11—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[3] *(feet)*
DEEP RIVER				
5233	523,307	16,700	659.2	272 / 69
5238	523,807	16,600	659.3	143 / 120
5248	524,807	16,600	660.3	116 / 220
5253	525,307	16,600	660.6	157 / 80
5267	526,727	16,500	661.7	67 / 195
5273	527,307	16,500	662.1	185 / 153
5283	528,307	16,500	662.5	42 / 150
5293	529,307	16,500	663.5	121 / 285
5304	530,449	16,100	664.1	560 / 168
5321	532,081	16,100	665.5	159 / 263
5328	532,764	16,100	665.9	46 / 173
5333	533,307	16,100	666.5	111 / 92
5338	533,807	16,100	667.3	154 / 113
5348	534,807	16,100	668.2	166 / 103
5353	535,307	16,100	668.6	193 / 81
5364	536,416	16,000	669.8	134 / 150
5373	537,307	16,000	670.6	261 / 134
5383	538,307	16,000	670.9	124 / 241
5393	539,307	15,900	671.7	32 / 740
5403	540,307	15,900	672.0	35 / 262
DEEP RIVER TRIBUTARY 15				
010	1,000	760	445.6[4]	11 / 7
015	1,500	760	456.8	9 / 7
026	2,573	760	468.9	16 / 16
030	3,000	760	475.5	19 / 18
044	4,412	468	501.3	30 / 17
057	5,740	468	517.4	16 / 6
070	7,000	468	537.5	16 / 19
075	7,500	468	549.0	41 / 23
DEEP RIVER TRIBUTARY 16				
009	857	1,958	449.8[4]	30 / 68
029	2,872	1,917	452.9	15 / 15
032	3,157	1,123	457.9	51 / 45
035	3,500	1,123	458.6	70 / 8
041	4,090	1,123	463.6	70 / 70
046	4,574	1,123	467.4	50 / 50
049	4,949	1,123	468.8	21 / 40
056	5,610	1,123	474.5	20 / 60
060	6,000	1,123	477.9	40 / 70
065	6,500	1,123	482.2	45 / 5
070	7,033	1,123	486.4	19 / 34
075	7,500	1,123	489.6	31 / 5
079	7,944	1,123	494.8	72 / 11

Table 11—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[3] *(feet)*
DEEP RIVER TRIBUTARY 16				
085	8,459	1,123	497.4	20 / 13
093	9,335	1,123	512.6	40 / 159
099	9,893	772	513.1	16 / 61
105	10,500	772	514.3	52 / 25
109	10,907	772	515.9	21 / 27
115	11,500	772	519.8	27 / 32
DEEP RIVER TRIBUTARY 17				
005	500	1,126	458.8[4]	10 / 9
010	1,000	1,126	458.8[4]	10 / 10
015	1,500	1,126	458.8[4]	10 / 7
020	1,977	1,126	458.8[4]	17 / 22
025	2,500	1,126	460.9	14 / 22
029	2,900	1,126	464.5	10 / 10
030	3,023	1,126	466.7	20 / 20
036	3,625	1,126	469.2	45 / 12
047	4,670	1,126	475.6	13 / 10
057	5,668	834	481.3	45 / 10
064	6,378	834	486.1	10 / 10
069	6,945	834	493.4	19 / 11
075	7,453	834	501.7	10 / 15
080	8,000	834	512.2	50 / 10
085	8,500	834	518.2	12 / 26
090	9,000	834	523.0	9 / 10
097	9,710	834	529.0	80 / 10
DEEP RIVER TRIBUTARY 18				
001	113	889	467.0[4]	14 / 22
010	1,000	889	475.7	9 / 33
015	1,539	475	481.2	25 / 42
020	2,000	475	484.9	4 / 12
024	2,376	475	491.9	21 / 9
033	3,313	475	508.4	21 / 17
039	3,904	475	517.8	10 / 10
043	4,348	281	524.0	30 / 12
050	5,000	281	534.0	7 / 6
055	5,500	281	554.2	13 / 6
060	6,030	281	581.1	18 / 6
064	6,443	281	599.8	14 / 13
DEEP RIVER TRIBUTARY 19				
001	82	649	477.6[4]	46 / 6
010	1,000	649	487.9	45 / 25
015	1,547	649	494.4	21 / 20
020	2,000	649	500.9	43 / 15
031	3,052	649	515.9	5 / 20

Table 11—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[3] *(feet)*
DEEP RIVER TRIBUTARY 19				
035	3,500	649	523.1	32 / 28
040	4,000	383	545.0	5 / 5
045	4,500	383	561.7	24 / 30
DEEP RIVER TRIBUTARY 20				
004	369	460	599.9[4]	7 / 13
010	1,000	460	614.5	7 / 13
015	1,500	460	629.8	7 / 29
028	2,819	297	647.1	16 / 16
035	3,500	297	655.9	20 / 20
040	4,040	297	666.6	33 / 8
045	4,481	297	675.0	25 / 8
DEEP RIVER TRIBUTARY 21				
002	226	1,240	604.3[4]	24 / 9
010	1,000	1,240	614.8	4 / 128
025	2,500	1,240	622.4	18 / 19
030	3,000	1,240	628.5	25 / 30
040	4,000	733	634.7	5 / 16
044	4,374	733	641.2	16 / 16
054	5,401	733	655.0	10 / 14
060	6,000	733	661.5	22 / 52
069	6,877	733	667.7	24 / 47
075	7,467	733	677.6	58 / 55
078	7,825	733	678.3	60 / 25
085	8,500	412	681.0	5 / 12
091	9,138	412	686.8	105 / 30
DEEP RIVER TRIBUTARY 22				
000	39	948	634.0[4]	12 / 13
010	1,000	948	646.9	14 / 60
016	1,570	948	649.0	20 / 100
025	2,500	948	655.8	105 / 10
030	3,000	948	658.1	31 / 100
045	4,500	476	666.0	5 / 54
050	5,000	476	671.6	55 / 10
055	5,500	476	674.9	41 / 8
060	6,000	476	680.3	37 / 20
065	6,500	476	684.2	17 / 34
070	7,000	476	687.2	28 / 14
075	7,500	476	691.6	38 / 3
080	8,000	476	697.8	13 / 13
DEEP RIVER TRIBUTARY 23				
000	12	676	660.7[4]	7 / 8
016	1,631	676	675.0	13 / 11
020	2,000	676	680.3	21 / 20

Table 11—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[3] *(feet)*
DEEP RIVER TRIBUTARY 23				
025	2,500	676	682.9	51 / 37
032	3,158	676	688.6	54 / 20
041	4,072	676	698.7	17 / 15
055	5,514	341	714.3	87 / 37
066	6,564	341	714.4	19 / 15
070	7,000	341	718.4	3 / 5
075	7,500	341	728.5	30 / 20
080	8,029	341	736.1	12 / 12
DEEP RIVER TRIBUTARY 24				
002	176	756	623.3[4]	5 / 66
005	500	756	623.3[4]	55 / 14
011	1,109	756	623.3[4]	47 / 7
015	1,500	756	623.5	62 / 7
020	2,000	756	633.6	8 / 17
025	2,500	756	642.7	44 / 35
030	3,000	756	649.0	89 / 7
035	3,500	756	658.5	20 / 13
040	4,000	756	665.2	64 / 11
045	4,500	756	671.0	25 / 37
050	5,000	756	680.3	67 / 14
055	5,500	552	680.9	60 / 7
060	6,000	552	683.7	7 / 50
065	6,500	552	688.5	50 / 19
070	7,000	552	691.6	34 / 7
075	7,500	552	694.9	12 / 72
080	8,000	552	699.7	7 / 26
085	8,500	552	705.6	12 / 27
090	9,000	552	711.1	7 / 35
095	9,500	552	718.6	39 / 42
098	9,813	552	723.7	28 / 7
DEEP RIVER TRIBUTARY 26				
001	127	2,042	663.9[4]	10 / 36
011	1,061	2,042	663.9[4]	27 / 13
017	1,721	2,042	663.9[4]	20 / 68
021	2,074	2,042	663.9[4]	44 / 134
025	2,500	2,042	663.9[4]	21 / 173
029	2,860	2,042	663.9[4]	20 / 129
035	3,500	2,042	663.9[4]	407 / 25
040	3,998	2,042	663.9[4]	179 / 28
046	4,632	2,042	665.1	25 / 55
051	5,081	1,923	669.9	15 / 57
060	6,000	1,923	678.6	17 / 13
065	6,500	1,923	681.3	27 / 31

Table 11—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[3] *(feet)*
DEEP RIVER TRIBUTARY 26				
071	7,102	1,923	683.1	21 / 102
075	7,500	1,923	684.6	15 / 54
080	8,000	1,923	686.9	99 / 10
085	8,500	1,923	688.8	41 / 23
091	9,051	1,923	690.4	69 / 197
095	9,500	1,648	690.8	234 / 15
100	9,950	1,648	692.3	40 / 50
105	10,548	1,648	695.6	84 / 30
109	10,918	1,648	696.5	18 / 57
115	11,540	1,648	698.5	50 / 47
120	12,000	1,648	699.7	37 / 99
122	12,243	1,648	700.2	50 / 77
DODSONS LAKE				
005	500	1,568	582.6[4]	124 / 68
010	1,000	1,568	582.6[4]	69 / 156
015	1,500	1,568	583.8	133 / 78
020	2,000	1,568	585.5	160 / 16
035	3,543	1,568	607.7	406 / 594
049	4,919	1,466	607.7	414 / 450
058	5,837	1,466	607.7	69 / 180
070	7,031	1,144	607.7	13 / 95
083	8,270	1,144	611.4	41 / 55
089	8,889	1,144	612.6	157 / 103
093	9,311	724	613.3	36 / 22
104	10,364	724	619.4	10 / 10
109	10,861	724	625.1	40 / 38
119	11,947	724	633.5	15 / 44
125	12,509	724	636.5	10 / 45
133	13,335	724	641.7	12 / 17
DODSONS LAKE 2				
001	137	435	612.9[4]	7 / 70
005	509	435	614.6	55 / 12
011	1,095	435	617.4	6 / 5
017	1,702	435	625.9	9 / 7
DODSONS LAKE TRIBUTARY 1				
005	500	586	607.7[4]	37 / 38
011	1,117	586	607.7[4]	25 / 16
025	2,530	586	634.4	80 / 90
033	3,346	586	654.7	50 / 200
FORK CREEK				
002	232	8,448	354.0[4]	91 / 274
009	938	8,448	354.0[4]	176 / 184
014	1,414	8,448	354.0[4]	259 / 156

Table 11—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[3] *(feet)*
FORK CREEK				
019	1,878	8,412	354.0[4]	216 / 191
024	2,420	8,412	354.0[4]	181 / 202
031	3,103	8,412	354.0[4]	288 / 109
036	3,580	8,412	354.0[4]	277 / 55
041	4,090	8,412	354.0[4]	111 / 38
045	4,500	8,412	354.0[4]	86 / 40
049	4,871	8,412	354.0[4]	143 / 35
056	5,611	8,412	354.0[4]	114 / 38
062	6,235	8,313	354.0[4]	58 / 43
069	6,901	8,204	354.0[4]	39 / 33
074	7,437	8,204	354.0[4]	56 / 53
091	9,129	8,194	354.0[4]	32 / 32
098	9,805	8,194	354.0[4]	38 / 33
108	10,809	7,731	354.0[4]	32 / 32
115	11,500	7,731	354.0[4]	58 / 39
120	11,985	7,731	354.0[4]	69 / 33
129	12,948	7,731	354.5	85 / 58
134	13,433	7,731	354.9	50 / 32
141	14,113	7,731	355.6	27 / 40
145	14,461	7,731	356.0	30 / 38
149	14,850	7,731	356.4	30 / 31
155	15,500	7,731	357.1	38 / 38
163	16,283	7,731	357.7	30 / 36
169	16,855	7,627	358.6	51 / 29
175	17,456	7,382	359.5	237 / 28
186	18,564	7,382	359.9	37 / 50
190	19,000	7,382	360.3	37 / 38
202	20,161	6,458	363.8	26 / 45
207	20,744	6,458	364.9	26 / 44
213	21,333	6,458	369.4	29 / 38
219	21,925	6,458	371.2	29 / 26
226	22,557	6,458	372.9	26 / 27
230	23,000	6,458	374.1	27 / 31
234	23,431	6,458	374.8	23 / 25
240	24,000	6,458	376.1	64 / 30
246	24,596	6,458	376.9	156 / 26
251	25,087	6,458	378.1	273 / 29
257	25,680	6,458	378.8	263 / 30
269	26,877	6,360	380.4	26 / 28
274	27,416	6,360	381.6	74 / 84
279	27,856	6,360	382.1	247 / 65
286	28,591	6,360	383.2	245 / 70
294	29,384	6,360	384.3	56 / 38

Table 11—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[3] *(feet)*
FORK CREEK				
301	30,106	6,360	385.7	65 / 27
305	30,500	6,360	386.3	41 / 25
311	31,102	6,242	388.1	33 / 29
316	31,608	5,562	390.7	37 / 34
323	32,258	5,207	392.4	31 / 57
328	32,788	5,207	393.2	24 / 23
335	33,500	5,207	394.6	21 / 25
340	34,000	5,207	395.9	44 / 21
345	34,530	5,207	396.7	24 / 21
349	34,893	5,207	397.4	22 / 46
355	35,475	5,207	399.0	29 / 62
360	35,987	5,207	399.6	21 / 34
366	36,629	5,207	401.4	19 / 20
371	37,112	5,207	404.1	78 / 19
376	37,559	5,207	404.8	21 / 21
381	38,137	5,207	409.1	38 / 23
386	38,590	5,207	410.4	23 / 37
389	38,901	5,207	411.4	26 / 30
394	39,426	5,207	412.8	40 / 36
404	40,425	5,092	415.8	21 / 207
410	41,000	3,977	416.7	73 / 139
418	41,801	3,977	417.8	212 / 124
425	42,500	3,977	419.1	191 / 65
432	43,184	3,977	422.1	37 / 44
439	43,918	3,977	425.5	19 / 34
444	44,426	3,977	427.8	26 / 68
452	45,185	3,977	431.8	31 / 167
459	45,919	3,977	433.0	170 / 16
466	46,628	3,977	434.9	26 / 22
470	47,033	3,977	436.5	24 / 26
475	47,500	3,872	438.6	21 / 230
481	48,066	3,872	439.3	21 / 81
489	48,942	3,872	440.8	19 / 86
496	49,551	3,872	441.6	22 / 39
506	50,555	3,872	443.7	38 / 168
510	51,043	3,872	444.1	13 / 27
515	51,500	3,872	446.4	37 / 42
520	51,969	3,872	448.2	51 / 50
525	52,458	3,872	450.0	37 / 270
530	53,000	3,872	450.5	68 / 201
534	53,441	3,872	451.0	108 / 200
539	53,915	3,872	452.0	141 / 46
550	54,952	3,178	454.6	121 / 70

Table 11—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[3] *(feet)*
FORK CREEK				
556	55,599	3,178	455.5	212 / 25
564	56,400	3,178	457.5	57 / 55
572	57,190	2,845	461.1	50 / 72
577	57,729	2,845	463.0	50 / 48
586	58,566	2,800	466.5	67 / 41
597	59,685	2,800	470.0	29 / 50
601	60,097	2,800	471.4	15 / 188
608	60,820	2,800	471.8	157 / 35
614	61,412	2,800	472.5	67 / 110
619	61,947	2,800	473.2	123 / 43
624	62,399	2,800	473.9	81 / 13
635	63,453	2,606	476.8	52 / 13
643	64,252	2,606	480.6	18 / 244
650	64,960	2,606	483.0	100 / 16
654	65,408	2,606	485.5	26 / 20
659	65,919	2,606	487.9	31 / 75
666	66,566	2,606	490.0	66 / 87
669	66,949	2,606	491.1	86 / 45
674	67,385	2,606	492.4	57 / 34
678	67,777	2,606	493.9	45 / 25
685	68,500	2,606	497.0	42 / 10
691	69,105	2,606	500.0	20 / 14
695	69,500	2,606	502.9	18 / 55
701	70,105	2,606	505.6	59 / 16
705	70,500	1,252	508.3	23 / 74
709	70,930	1,252	510.2	8 / 75
716	71,608	1,252	512.0	42 / 112
720	71,974	1,252	513.1	223 / 11
725	72,500	1,252	516.1	13 / 60
729	72,889	1,252	518.6	14 / 44
736	73,570	1,252	523.1	7 / 114
739	73,903	1,252	526.4	14 / 119
744	74,449	1,252	530.6	27 / 16
750	74,959	979	535.5	40 / 25
755	75,500	979	543.8	10 / 13
760	76,042	979	552.1	19 / 27
765	76,500	979	556.0	28 / 31
771	77,082	979	561.6	13 / 92
775	77,456	979	564.2	64 / 9
780	78,000	979	567.9	60 / 7
784	78,368	979	571.0	25 / 33
791	79,108	979	574.9	145 / 5
796	79,600	511	577.3	31 / 11

Table 11—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[3] *(feet)*
FORK CREEK				
801	80,079	511	582.7	32 / 33
805	80,534	511	589.1	4 / 17
811	81,078	511	608.7	12 / 5
818	81,774	511	633.2	5 / 19
822	82,187	511	642.2	2 / 36
FORK CREEK TRIBUTARY 1				
000	27	1,813	506.8[4]	35 / 35
005	500	1,813	512.3	27 / 35
010	1,000	1,813	513.9	47 / 53
016	1,554	1,813	515.2	50 / 52
020	2,000	1,355	517.5	58 / 50
025	2,500	1,355	522.3	53 / 66
030	3,000	1,355	527.7	33 / 34
035	3,500	1,355	531.8	21 / 36
040	4,000	1,355	534.3	25 / 24
046	4,614	1,355	538.0	35 / 55
050	5,000	1,355	542.5	23 / 32
055	5,500	1,355	547.0	24 / 35
060	6,000	1,355	550.8	30 / 18
065	6,500	807	555.2	40 / 64
070	7,000	807	558.2	38 / 16
075	7,500	807	565.0	46 / 30
080	8,000	807	568.9	35 / 18
085	8,500	807	574.6	16 / 19
088	8,820	807	580.1	22 / 12
095	9,500	807	592.7	14 / 10
102	10,177	807	609.7	13 / 11
107	10,657	807	620.7	9 / 24
114	11,445	807	643.3	8 / 10
120	12,000	807	654.4	25 / 18
125	12,500	497	665.7	7 / 14
128	12,827	497	682.4	9 / 11
135	13,453	497	701.2	21 / 32
148	14,819	497	734.2	20 / 20
FORK CREEK TRIBUTARY 2				
001	130	957	515.7[4]	76 / 5
009	948	957	520.0	72 / 7
015	1,457	957	522.8	129 / 10
021	2,051	957	526.7	22 / 76
024	2,438	957	530.1	36 / 9
034	3,429	957	536.4	18 / 51
042	4,192	957	542.0	53 / 40
047	4,675	957	545.6	41 / 5

Table 11—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[3] *(feet)*
FORK CREEK TRIBUTARY 2				
052	5,169	957	550.1	14 / 62
060	6,000	957	556.6	20 / 19
065	6,483	606	561.4	38 / 41
070	7,000	606	566.2	18 / 60
075	7,500	606	571.4	43 / 22
077	7,744	606	572.8	38 / 6
084	8,400	606	580.3	15 / 22
091	9,138	606	590.5	12 / 10
094	9,425	606	594.4	10 / 30
104	10,394	606	601.9	9 / 28
109	10,924	606	609.0	11 / 16
116	11,579	606	615.3	57 / 29
121	12,121	606	622.7	25 / 10
125	12,500	606	631.7	17 / 14
132	13,222	606	644.6	9 / 10
FORK CREEK TRIBUTARY 3				
002	232	879	555.0[4]	8 / 88
009	940	879	558.5	15 / 36
014	1,438	879	563.7	7 / 39
020	2,000	879	569.7	50 / 36
025	2,500	879	572.8	102 / 8
030	3,000	879	576.1	53 / 49
035	3,500	879	579.7	19 / 43
040	3,978	879	583.3	52 / 32
045	4,500	879	585.8	28 / 25
050	5,000	879	591.2	31 / 5
055	5,500	879	595.7	38 / 35
060	6,000	879	599.0	65 / 18
065	6,500	545	602.4	42 / 8
070	7,000	545	607.1	8 / 34
075	7,500	545	611.5	40 / 5
080	8,000	545	616.4	30 / 5
085	8,496	545	621.6	37 / 5
GABRIELS CREEK				
003	279	2,485	547.5[4]	61 / 147
009	894	2,485	547.5[4]	153 / 111
014	1,358	2,485	547.7	201 / 39
018	1,831	2,485	547.9	184 / 64
025	2,500	2,485	548.3	276 / 37
030	3,000	2,485	548.6	89 / 70
035	3,500	2,485	550.0	157 / 30
040	4,000	1,616	551.3	130 / 35
047	4,707	1,616	555.3	30 / 35

Table 11—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[3] *(feet)*
GABRIELS CREEK				
060	6,000	1,616	560.1	15 / 17
064	6,449	1,616	565.7	51 / 20
069	6,943	1,464	568.6	57 / 10
075	7,500	1,464	573.3	64 / 52
080	8,000	1,464	575.6	71 / 26
085	8,500	1,464	578.4	11 / 81
090	9,000	1,464	583.7	110 / 25
094	9,436	1,464	585.6	60 / 30
100	10,000	1,464	588.0	120 / 20
105	10,500	1,464	590.7	48 / 105
109	10,946	1,464	593.6	17 / 32
115	11,500	1,130	599.3	20 / 55
120	12,000	1,130	601.5	51 / 17
126	12,579	1,130	603.8	110 / 20
131	13,099	1,130	605.5	16 / 120
135	13,500	1,130	607.9	22 / 32
156	15,597	1,130	618.9	12 / 43
160	16,000	1,130	621.6	65 / 60
165	16,500	1,130	623.4	26 / 43
170	17,000	1,130	626.9	50 / 25
175	17,521	815	630.0	139 / 19
180	18,000	815	632.6	37 / 43
186	18,554	815	637.3	30 / 80
190	18,997	815	640.4	70 / 10
194	19,439	815	645.3	60 / 25
200	20,000	815	650.9	45 / 15
220	22,049	815	703.2	10 / 10
GABRIELS CREEK TRIBUTARY 1				
002	157	1,514	550.8[4]	50 / 50
010	1,000	1,514	557.6	24 / 22
015	1,500	1,514	561.8	190 / 13
020	2,000	1,471	564.9	80 / 50
033	3,339	1,471	583.4	36 / 178
038	3,817	1,471	583.9	62 / 83
045	4,521	1,471	586.1	22 / 89
052	5,199	1,471	589.5	58 / 22
058	5,814	1,471	593.6	25 / 61
063	6,330	1,471	596.9	65 / 84
068	6,827	1,471	598.1	19 / 78
079	7,903	1,471	603.6	160 / 8
085	8,500	1,143	605.6	53 / 16
090	9,015	1,143	609.8	33 / 33
095	9,500	1,143	612.4	106 / 15

Table 11—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[3] *(feet)*
GABRIELS CREEK TRIBUTARY 1				
100	10,038	1,143	615.4	15 / 84
106	10,583	1,143	619.0	21 / 93
111	11,062	1,143	622.6	8 / 83
117	11,707	1,143	627.1	29 / 30
125	12,500	1,143	632.2	26 / 42
130	13,000	1,143	636.6	13 / 18
135	13,500	1,143	641.3	9 / 56
140	14,000	1,143	646.2	42 / 30
145	14,500	1,143	649.5	42 / 101
153	15,335	1,143	652.6	66 / 13
160	16,000	1,143	659.2	13 / 28
167	16,657	768	663.6	10 / 14
177	17,694	768	674.4	20 / 15
185	18,458	768	684.4	17 / 13
191	19,056	768	695.8	18 / 21
GABRIELS CREEK TRIBUTARY 2				
005	477	419	606.6	20 / 15
015	1,500	419	630.3	12 / 8
020	2,000	419	643.6	8 / 19
025	2,452	419	652.1	8 / 22
030	2,972	419	660.1	13 / 25
035	3,500	419	668.1	8 / 21
040	3,959	419	676.1	26 / 6
045	4,500	419	687.1	5 / 19
049	4,864	419	694.7	10 / 19
HANNAHS CREEK				
004	437	2,831	392.1[4]	95 / 19
011	1,123	2,831	392.1[4]	166 / 27
015	1,500	2,831	392.1[4]	60 / 162
019	1,945	2,831	392.1[4]	38 / 65
035	3,458	2,831	392.1[4]	26 / 30
039	3,940	2,831	394.7	94 / 136
046	4,633	2,831	403.8	10 / 10
051	5,114	2,831	415.3	13 / 13
057	5,687	2,586	431.8	9 / 9
064	6,360	2,586	447.4	8 / 9
070	6,977	2,586	459.2	15 / 68
075	7,490	2,586	465.7	10 / 140
080	7,965	2,586	470.0	19 / 140
083	8,323	2,586	473.3	48 / 30
090	9,000	2,586	476.2	17 / 17
095	9,500	2,586	481.8	39 / 24
101	10,064	2,586	487.0	50 / 20

Table 11—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[3] *(feet)*
HANNAHS CREEK				
106	10,588	2,586	493.5	8 / 77
111	11,068	2,262	496.3	8 / 87
116	11,615	2,262	500.6	8 / 87
120	12,000	2,262	503.5	14 / 37
126	12,560	2,262	505.8	15 / 15
132	13,199	2,241	511.8	15 / 16
139	13,888	2,241	516.7	14 / 15
HASKETTS CREEK				
347	34,724	806	736.4	12 / 21
351	35,067	806	743.8	21 / 14
356	35,567	806	753.1	16 / 14
361	36,067	806	763.1	24 / 22
366	36,567	806	767.2	7 / 67
371	37,067	806	771.3	7 / 45
376	37,567	806	777.1	27 / 13
381	38,067	806	783.2	37 / 16
386	38,567	806	791.0	10 / 13
391	39,067	806	799.0	67 / 11
396	39,567	806	809.6	93 / 7
401	40,067	806	815.6	60 / 105
HASKETTS CREEK TRIBUTARY 1				
050	5,022	1,010	669.7	30 / 10
055	5,500	1,010	676.0	35 / 91
060	6,000	1,010	677.2	7 / 208
065	6,500	1,010	683.5	151 / 7
070	6,973	1,010	683.8	109 / 13
074	7,373	1,010	685.0	20 / 60
HASKETTS CREEK TRIBUTARY 2				
008	792	956	752.4	30 / 20
014	1,433	956	759.9	81 / 35
019	1,933	956	761.7	63 / 50
024	2,433	956	763.5	7 / 94
029	2,933	956	767.2	118 / 7
033	3,344	956	770.8	71 / 15
038	3,765	956	772.5	52 / 85
044	4,433	956	776.1	58 / 11
049	4,933	956	780.4	93 / 111
054	5,433	956	782.6	19 / 38
059	5,933	716	785.2	48 / 56
064	6,433	716	787.3	11 / 24
069	6,933	716	791.2	21 / 12
073	7,287	716	793.6	10 / 10

Table 11—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[3] *(feet)*
JACKSON CREEK				
001	92	4,739	417.6[4]	425 / 30
010	981	4,739	417.6[4]	161 / 407
016	1,567	4,739	417.6[4]	178 / 367
023	2,333	4,739	417.6[4]	307 / 34
028	2,798	4,739	417.6[4]	691 / 16
032	3,159	4,739	417.6[4]	732 / 16
045	4,506	4,739	417.6[4]	25 / 493
051	5,096	4,739	414.5[4]	322 / 149
057	5,706	4,739	417.6[4]	187 / 71
061	6,069	4,739	417.6[4]	286 / 40
069	6,912	4,665	417.6[4]	58 / 482
074	7,359	4,665	417.6[4]	22 / 569
078	7,834	4,665	417.6[4]	86 / 517
082	8,201	4,665	417.6[4]	22 / 463
086	8,641	4,665	417.6[4]	246 / 448
091	9,100	4,595	417.6[4]	190 / 599
097	9,650	4,595	417.6[4]	216 / 274
100	10,044	4,595	417.7	321 / 79
109	10,854	4,521	418.8	529 / 50
113	11,288	4,521	419.3	682 / 50
116	11,646	4,521	419.5	615 / 50
137	13,653	4,443	424.1	45 / 423
147	14,653	4,443	425.2	529 / 80
152	15,168	4,443	425.2	46 / 22
157	15,699	4,443	427.4	69 / 20
163	16,257	4,350	428.8	239 / 30
168	16,816	4,350	430.0	20 / 45
171	17,112	4,350	431.1	151 / 87
177	17,653	4,350	431.8	43 / 174
182	18,170	4,350	432.6	174 / 35
186	18,644	4,350	433.7	19 / 295
194	19,380	4,350	434.7	36 / 28
210	20,997	4,250	438.1	37 / 22
213	21,290	4,250	439.1	31 / 68
217	21,687	4,250	439.5	23 / 125
222	22,210	4,250	439.9	40 / 15
227	22,707	4,134	443.2	102 / 15
233	23,281	4,134	444.1	15 / 15
238	23,771	4,134	447.3	15 / 15
242	24,164	4,071	448.0	20 / 15
246	24,609	4,071	449.8	30 / 50
254	25,445	4,071	453.8	40 / 85
258	25,792	4,071	454.5	50 / 45

Table 11—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[3] *(feet)*
JACKSON CREEK				
262	26,220	4,071	457.5	52 / 15
267	26,704	4,071	462.2	50 / 50
275	27,533	4,071	465.6	50 / 15
280	27,952	4,071	467.4	35 / 100
284	28,381	3,987	467.5	50 / 28
288	28,766	3,987	470.1	30 / 14
293	29,328	3,987	476.5	18 / 23
297	29,736	3,987	478.8	14 / 15
303	30,260	3,987	493.4	14 / 28
310	30,951	3,987	499.0	24 / 19
320	32,018	3,987	502.5	17 / 16
325	32,542	2,893	508.5	21 / 21
330	32,969	2,893	510.4	10 / 10
342	34,223	2,893	541.1	34 / 68
347	34,713	2,893	552.2	15 / 16
352	35,184	2,845	558.6	50 / 30
357	35,665	2,845	559.9	19 / 55
361	36,078	2,845	561.5	19 / 41
366	36,616	2,845	563.5	208 / 114
373	37,303	2,845	564.6	119 / 65
KINGS CREEK				
006	600	2,337	585.3[4]	39 / 17
011	1,125	2,337	585.3[4]	22 / 62
016	1,560	2,337	585.3[4]	23 / 9
017	1,741	2,337	585.3[4]	19 / 18
023	2,324	2,337	587.3	33 / 18
028	2,847	2,337	589.3	122 / 18
034	3,370	2,337	590.0	33 / 17
041	4,068	2,337	593.2	48 / 18
046	4,562	2,337	594.9	44 / 17
050	4,991	2,220	597.9	130 / 17
055	5,521	2,220	599.7	140 / 18
060	6,009	2,220	601.6	34 / 18
065	6,488	2,220	603.4	28 / 18
068	6,835	2,220	604.6	18 / 17
074	7,366	2,220	607.0	24 / 18
LAKES CREEK				
002	180	659	371.5[4]	8 / 6
005	466	659	371.5[4]	23 / 20
010	977	659	377.0	7 / 7
015	1,503	567	389.7	7 / 7
020	1,997	567	408.4	12 / 12
022	2,248	567	417.7	7 / 7

Table 11—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[3] *(feet)*
LAMBERT CREEK				
004	376	1,411	452.6[4]	21 / 15
008	790	1,411	454.8	44 / 10
016	1,559	1,411	457.9	67 / 52
019	1,944	1,411	459.4	56 / 102
026	2,626	1,411	462.1	31 / 48
035	3,543	1,339	467.5	32 / 31
LANIERS CREEK				
001	112	3,096	384.7[5]	119 / 22
010	992	3,096	384.7[5]	582 / 20
016	1,597	3,096	384.7[5]	388 / 20
023	2,327	3,096	385.4[5]	171 / 289
027	2,679	3,096	385.4[5]	115 / 86
032	3,227	3,096	385.4[5]	455 / 20
036	3,634	3,096	385.4[5]	44 / 20
040	3,950	3,096	385.4[5]	26 / 52
046	4,619	3,096	386.8	66 / 100
053	5,252	2,918	387.4	19 / 40
056	5,595	2,918	390.5	31 / 100
062	6,200	2,918	392.8	21 / 49
071	7,058	2,886	397.2	33 / 19
077	7,731	2,886	401.2	88 / 23
081	8,126	2,886	402.7	45 / 23
087	8,668	2,886	408.1	49 / 23
090	9,023	2,886	409.6	24 / 21
094	9,371	2,886	412.8	23 / 14
098	9,833	2,886	416.8	24 / 29
105	10,514	2,886	424.6	40 / 76
113	11,306	2,647	429.2	12 / 11
117	11,700	2,647	435.0	28 / 19
121	12,099	2,647	439.0	65 / 22
126	12,576	2,429	443.6	18 / 85
130	12,996	2,229	447.7	20 / 20
136	13,598	2,229	454.8	17 / 81
140	13,994	2,229	458.2	18 / 68
147	14,692	2,210	465.1	71 / 28
151	15,054	2,210	468.8	96 / 17
162	16,162	2,210	478.5	50 / 17
169	16,858	2,087	485.7	59 / 17
173	17,316	2,087	489.7	39 / 17
180	18,015	1,960	496.1	15 / 14
186	18,599	1,960	502.4	54 / 23
191	19,081	1,960	506.7	19 / 18
196	19,636	1,960	512.3	17 / 32

Table 11—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[3] *(feet)*
LANIERS CREEK				
203	20,317	1,960	519.2	18 / 17
209	20,935	1,840	527.4	34 / 22
214	21,419	1,840	532.7	14 / 14
220	22,039	1,840	539.6	14 / 14
224	22,418	1,703	543.4	15 / 15
230	22,976	1,703	553.1	15 / 85
233	23,291	1,703	557.9	15 / 16
LITTLE BRUSH CREEK				
001	88	4,804	408.7[4]	49 / 21
008	805	4,804	409.4	30 / 19
014	1,400	4,804	411.3	58 / 20
021	2,086	4,804	412.6	24 / 23
025	2,500	4,804	414.0	56 / 18
030	3,000	4,804	415.5	47 / 28
035	3,500	4,804	416.6	22 / 22
040	4,000	4,804	418.4	36 / 35
045	4,500	4,804	419.5	19 / 98
049	4,867	4,804	420.4	20 / 37
055	5,456	4,804	422.7	72 / 26
067	6,712	4,804	425.7	24 / 114
075	7,500	4,804	426.8	23 / 37
080	8,000	4,804	427.9	22 / 62
085	8,500	4,700	428.8	24 / 37
089	8,944	4,700	430.0	20 / 45
095	9,500	4,429	433.1	60 / 41
100	10,034	4,429	434.5	30 / 30
110	11,000	4,429	441.9	30 / 30
114	11,428	4,429	443.5	18 / 16
118	11,835	4,429	446.8	20 / 31
124	12,432	4,429	451.8	20 / 31
130	13,000	4,429	453.9	80 / 26
LITTLE CARAWAY CREEK				
001	113	3,184	460.6[4]	20 / 247
006	642	3,184	460.6[4]	23 / 25
010	1,000	3,184	460.6[4]	44 / 20
015	1,500	3,184	460.6[4]	35 / 20
022	2,167	3,184	462.2	72 / 24
027	2,674	3,184	463.5	20 / 44
032	3,240	3,184	465.6	24 / 107
038	3,829	3,021	468.2	167 / 40
045	4,500	3,021	469.9	46 / 60
050	4,954	3,021	471.5	38 / 275
054	5,431	3,021	474.0	121 / 29

Table 11—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[3] *(feet)*
LITTLE CARAWAY CREEK				
060	6,000	2,960	476.2	33 / 19
065	6,451	2,960	480.0	84 / 12
070	7,000	2,960	486.0	20 / 77
077	7,651	2,960	493.7	20 / 49
085	8,500	2,960	501.0	173 / 24
090	9,000	2,960	503.0	33 / 25
095	9,500	2,960	505.6	20 / 112
100	10,000	2,734	508.0	19 / 226
104	10,437	2,734	508.8	44 / 166
110	11,000	2,734	509.9	110 / 234
114	11,431	2,734	510.3	282 / 170
122	12,207	2,734	511.0	19 / 231
125	12,500	2,539	511.6	18 / 400
134	13,427	2,444	512.3	246 / 221
140	14,000	2,444	512.8	256 / 27
145	14,539	2,444	513.9	18 / 408
150	15,000	2,444	514.5	104 / 308
155	15,457	2,444	515.3	185 / 66
161	16,141	2,444	517.6	164 / 14
165	16,500	2,444	519.4	283 / 18
169	16,909	2,444	520.1	155 / 44
175	17,500	2,195	525.5	25 / 222
180	18,000	2,195	525.7	65 / 148
185	18,500	2,195	526.0	221 / 18
189	18,947	2,195	526.5	152 / 18
196	19,649	2,078	528.1	17 / 271
200	20,000	2,078	528.7	17 / 188
206	20,641	2,078	530.4	117 / 17
213	21,285	2,078	531.9	17 / 138
216	21,551	2,078	532.1	18 / 22
220	22,000	2,078	534.5	144 / 17
222	22,212	2,078	535.0	137 / 51
229	22,866	1,309	536.6	14 / 119
236	23,614	1,309	539.7	22 / 54
240	23,963	1,309	541.9	13 / 69
248	24,773	1,309	547.5	29 / 94
255	25,500	1,309	549.3	29 / 48
260	26,049	1,148	553.5	40 / 73
265	26,500	1,148	556.0	36 / 13
271	27,089	1,148	560.5	13 / 107
275	27,541	1,148	561.9	19 / 13
279	27,883	1,148	566.3	13 / 44
285	28,500	1,148	570.5	13 / 47

Table 11—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[3] *(feet)*
LITTLE CARAWAY CREEK				
290	29,000	1,148	574.2	69 / 47
294	29,381	1,148	576.2	80 / 28
301	30,064	1,148	580.7	13 / 157
306	30,562	1,148	585.1	13 / 79
310	31,023	1,148	589.1	13 / 81
314	31,444	981	591.8	60 / 17
320	32,040	981	595.2	13 / 50
324	32,410	981	598.4	16 / 13
LITTLE CARAWAY CREEK TRIBUTARY 1				
001	75	1,332	535.8	23 / 109
006	565	1,332	537.6	84 / 15
013	1,254	1,332	540.9	125 / 51
017	1,690	1,332	542.8	20 / 35
021	2,070	1,332	545.4	16 / 33
025	2,476	1,332	548.5	16 / 27
028	2,836	1,332	551.5	60 / 14
037	3,670	1,332	557.0	17 / 101
041	4,109	1,332	560.3	13 / 13
049	4,925	1,332	567.9	74 / 44
LITTLE RIVER				
2372	237,189	8,147	573.2	34 / 35
2392	239,209	8,147	576.9	35 / 144
2411	241,085	7,830	578.6	100 / 38
2432	243,163	7,830	580.8	144 / 48
2447	244,730	7,556	582.4	110 / 34
2464	246,366	7,556	584.5	150 / 90
2480	247,970	7,556	585.2	100 / 100
2496	249,570	6,696	586.3	150 / 60
2510	250,975	6,696	587.7	70 / 80
2526	252,610	6,563	589.0	60 / 40
2543	254,298	6,368	595.2	35 / 25
2556	255,641	6,368	598.3	50 / 25
2568	256,817	6,368	599.9	26 / 245
2579	257,854	6,368	600.7	160 / 110
2593	259,305	6,251	602.2	190 / 45
2620	261,994	5,655	605.5	40 / 22
2634	263,379	5,655	608.8	90 / 21
2651	265,114	5,558	611.6	30 / 30
2660	265,966	5,558	613.5	30 / 25
2682	268,171	5,071	618.4	35 / 28
2698	269,800	5,071	625.9	46 / 25
2717	271,702	5,071	633.7	22 / 45
2731	273,072	5,071	637.1	45 / 20

Table 11—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[3] *(feet)*
LITTLE RIVER				
2744	274,418	5,071	640.3	39 / 50
2763	276,281	5,071	642.7	26 / 81
2780	277,952	4,936	646.3	65 / 40
2794	279,426	4,936	648.4	70 / 45
2811	281,122	4,936	650.3	185 / 212
2830	283,042	4,767	651.5	168 / 50
2844	284,375	4,485	653.1	200 / 75
2860	285,955	4,485	654.9	50 / 75
2877	287,735	4,060	656.9	35 / 60
2893	289,259	4,060	659.9	20 / 26
2903	290,349	4,014	664.6	50 / 120
2914	291,449	4,014	668.6	40 / 300
2935	293,484	3,668	673.5	266 / 84
2950	295,005	3,668	674.1	17 / 108
2969	296,928	3,668	676.9	92 / 91
2983	298,323	2,706	678.4	26 / 12
2995	299,541	2,706	682.4	15 / 34
3008	300,757	2,706	686.3	25 / 130
3021	302,120	2,706	689.2	20 / 38
3032	303,224	2,706	692.9	52 / 72
3055	305,477	2,442	699.4	40 / 85
3071	307,078	2,442	703.0	50 / 300
3086	308,630	2,442	706.3	20 / 100
3108	310,845	2,357	715.5	200 / 110
3124	312,351	2,013	718.3	100 / 90
3139	313,900	2,013	727.1	100 / 75
3154	315,391	2,013	732.4	80 / 110
3179	317,939	1,831	739.7	100 / 84
3189	318,943	1,831	742.0	67 / 60
LITTLE RIVER TRIBUTARY 2				
001	89	891	577.6[4]	10 / 10
006	572	705	577.6[4]	45 / 20
011	1,119	705	577.6[4]	9 / 22
017	1,656	705	587.2	15 / 15
019	1,913	705	589.7	14 / 81
022	2,237	705	595.3	30 / 7
025	2,470	705	597.6	11 / 70
LITTLE RIVER TRIBUTARY 3				
004	389	587	586.1[4]	28 / 6
010	958	587	586.2	10 / 31
015	1,500	587	594.6	28 / 10
020	2,000	587	600.8	44 / 15
024	2,423	587	605.5	12 / 26

Table 11—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[3] *(feet)*
LITTLE RIVER TRIBUTARY 4				
003	291	707	588.2[4]	7 / 9
008	812	707	592.3	35 / 20
012	1,210	707	606.6	7 / 16
LITTLE RIVER TRIBUTARY 5				
000	26	410	601.3[4]	6 / 5
004	350	410	606.4	4 / 31
006	577	410	609.7	5 / 20
011	1,119	410	630.7	57 / 59
015	1,500	410	630.9	85 / 64
020	1,976	410	631.3	74 / 2
LITTLE RIVER TRIBUTARY 6				
004	385	180	613.9[4]	5 / 10
007	682	180	627.0	9 / 14
010	1,000	180	641.8	7 / 14
014	1,415	180	653.1	12 / 13
LITTLE RIVER TRIBUTARY 7				
003	326	496	650.5[4]	10 / 6
008	772	496	659.7	35 / 6
012	1,187	496	663.6	19 / 65
LITTLE RIVER TRIBUTARY 8				
003	346	1,053	652.5[4]	6 / 21
007	677	1,053	655.6	18 / 12
011	1,142	1,053	660.5	10 / 93
019	1,870	585	665.3	15 / 44
LITTLE RIVER TRIBUTARY 9				
001	106	255	663.6[4]	5 / 9
004	447	255	665.0	12 / 5
007	701	255	671.0	18 / 2
009	866	255	676.4	20 / 5
010	1,009	255	677.9	12 / 12
012	1,154	255	681.5	12 / 12
014	1,375	255	685.5	5 / 22
LITTLE RIVER TRIBUTARY 10				
004	425	484	668.7[4]	23 / 39
009	901	484	668.7[4]	12 / 60
011	1,108	484	668.7[4]	12 / 12
016	1,646	484	677.9	55 / 5
LITTLE RIVER TRIBUTARY 11				
004	395	913	672.4[4]	42 / 11
009	926	913	672.4[4]	6 / 38
013	1,343	913	680.4	10 / 60
LITTLE RIVER TRIBUTARY 12				
002	169	793	717.5[4]	10 / 120

Table 11—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[3] *(feet)*
LITTLE RIVER TRIBUTARY 12				
004	432	793	718.4	10 / 10
010	1,044	793	726.0	10 / 32
016	1,629	793	730.6	29 / 10
020	2,000	793	732.0	10 / 8
026	2,585	793	737.4	9 / 10
030	3,047	793	740.2	52 / 10
040	3,981	663	748.8	10 / 15
045	4,486	663	755.9	6 / 65
050	4,976	663	758.7	50 / 6
LITTLE UWHARRIE RIVER				
004	384	7,864	457.3[4]	34 / 43
010	955	7,864	460.4	50 / 32
015	1,500	7,864	471.1	29 / 58
020	1,963	7,864	479.7	30 / 32
025	2,470	7,864	485.2	41 / 39
029	2,906	7,864	486.7	37 / 150
033	3,306	7,804	487.3	55 / 55
037	3,708	7,804	488.1	43 / 115
055	5,544	7,624	491.8	44 / 36
060	5,959	7,624	492.9	69 / 201
065	6,462	7,624	493.3	40 / 94
070	7,000	7,624	494.1	43 / 44
075	7,455	7,624	494.8	64 / 64
079	7,948	7,624	495.6	180 / 212
085	8,500	7,624	495.8	36 / 171
090	8,981	7,624	496.1	36 / 37
095	9,534	7,624	497.2	36 / 101
100	9,969	7,624	498.0	302 / 37
104	10,377	7,624	498.2	151 / 157
110	11,000	7,454	498.5	105 / 36
114	11,364	7,454	499.1	231 / 36
118	11,841	7,454	499.4	311 / 59
125	12,456	7,454	500.4	36 / 36
131	13,062	7,454	501.9	36 / 48
146	14,589	7,272	509.0	41 / 36
150	15,000	7,272	512.1	45 / 35
156	15,557	7,272	516.4	35 / 35
159	15,946	7,272	520.3	61 / 70
164	16,440	7,272	521.7	35 / 210
169	16,937	7,272	522.6	150 / 43
173	17,340	7,272	523.3	123 / 35
179	17,851	7,272	524.3	268 / 35
185	18,524	7,232	525.1	43 / 345

Table 11—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[3] *(feet)*
LITTLE UWHARRIE RIVER				
191	19,058	7,232	525.6	35 / 377
194	19,427	7,232	525.8	35 / 226
199	19,866	7,232	526.4	160 / 187
203	20,340	7,232	526.8	240 / 180
209	20,942	7,232	527.4	35 / 468
216	21,594	7,232	527.9	35 / 52
231	23,067	7,056	531.5	39 / 35
235	23,500	7,056	532.7	89 / 38
238	23,843	7,049	533.5	310 / 35
LITTLE UWHARRIE RIVER TRIBUTARY 1				
001	97	920	491.5[4]	17 / 12
006	555	920	491.5[4]	120 / 100
012	1,249	889	494.8	11 / 17
017	1,668	889	500.8	106 / 18
022	2,184	889	506.1	20 / 12
LITTLE UWHARRIE TRIBUTARY 4				
001	62	429	690.7[4]	12 / 6
005	500	429	701.7	20 / 16
010	1,000	429	721.6	10 / 20
015	1,500	429	733.6	59 / 21
019	1,901	429	744.8	8 / 10
029	2,867	325	781.2	10 / 6
034	3,355	325	807.0	11 / 17
045	4,500	325	846.0	12 / 12
053	5,311	325	873.0	25 / 30
058	5,753	325	888.1	16 / 12
LITTLE UWHARRIE RIVER TRIBUTARY 5				
001	58	279	703.5[4]	4 / 8
005	540	279	726.7	4 / 3
011	1,070	176	742.9	13 / 12
015	1,506	176	755.0	3 / 3
021	2,060	176	789.6	70 / 70
LITTLE UWHARRIE RIVER TRIBUTARY 6				
001	119	415	733.9[4]	20 / 21
006	644	297	750.9	8 / 9
013	1,253	297	765.2	12 / 12
019	1,928	161	786.4	5 / 10
021	2,141	161	801.8	5 / 8
025	2,511	161	816.2	12 / 12
031	3,066	161	835.9	6 / 5
035	3,537	161	864.6	3 / 4
039	3,886	161	896.2	6 / 4

Table 11—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[3] *(feet)*
LITTLE UWHARRIE RIVER TRIBUTARY 6A				
002	189	306	744.5[4]	15 / 12
006	630	306	761.5	18 / 18
011	1,054	306	780.9	15 / 17
014	1,380	306	793.8	10 / 10
021	2,067	240	819.8	12 / 12
026	2,567	240	849.9	15 / 12
LITTLE UWHARRIE RIVER TRIBUTARY 7				
001	133	401	778.6[4]	32 / 23
011	1,083	401	789.4	32 / 30
020	1,993	401	800.6	6 / 4
031	3,062	276	818.8	44 / 25
047	4,671	276	841.1	40 / 50
LITTLE UWHARRIE RIVER TRIBUTARY 8				
002	164	443	792.8[4]	12 / 14
008	810	336	800.4	31 / 29
014	1,392	336	811.0	8 / 16
020	2,000	336	821.0	26 / 12
025	2,500	336	831.9	18 / 12
038	3,816	230	858.3	63 / 27
043	4,292	230	867.1	20 / 8
048	4,769	230	886.4	12 / 12
052	5,179	230	896.5	12 / 12
LITTLE UWHARRIE RIVER TRIBUTARY 8A				
001	87	228	795.0[4]	3 / 27
006	594	228	804.2	31 / 2
011	1,055	228	811.4	3 / 10
015	1,501	228	823.9	21 / 3
021	2,131	138	841.0	3 / 11
026	2,602	138	860.2	8 / 3
032	3,224	138	886.4	6 / 3
LITTLE UWHARRIE RIVER TRIBUTARY 10				
003	297	581	813.5[4]	60 / 56
009	933	581	815.9	100 / 12
014	1,391	581	821.4	60 / 30
020	1,969	434	827.7	55 / 30
024	2,401	434	831.3	12 / 30
029	2,897	434	837.7	40 / 12
037	3,708	389	846.8	33 / 14
041	4,124	389	853.7	50 / 80
047	4,723	389	858.3	28 / 12
LITTLE UWHARRIE RIVER TRIBUTARY 10A				
002	193	279	825.5[4]	22 / 18
007	736	279	833.3	25 / 14

Table 11—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[3] *(feet)*
LITTLE UWHARRIE RIVER TRIBUTARY 10A				
014	1,365	279	842.5	12 / 12
019	1,937	279	854.9	22 / 12
030	3,049	217	880.7	13 / 12
034	3,425	217	890.4	5 / 5
039	3,926	217	904.4	5 / 5
LITTLE UWHARRIE RIVER TRIBUTARY 11				
002	214	461	829.4[4]	90 / 108
006	635	461	829.4[4]	164 / 19
015	1,522	461	839.4	178 / 31
027	2,695	318	847.6	12 / 12
LITTLE UWHARRIE RIVER TRIBUTARY 11A				
002	180	220	839.4[4]	18 / 12
015	1,500	220	861.6	15 / 24
024	2,353	220	876.1	12 / 12
MILE BRANCH TRIBUTARY 1				
010	1,000	454	730.5	6 / 12
015	1,488	454	735.3	8 / 9
019	1,863	306	744.8	2 / 19
021	2,100	306	750.8	13 / 12
025	2,500	306	757.5	20 / 4
030	3,000	306	764.1	8 / 8
MILE BRANCH TRIBUTARY 2				
001	55	269	739.4	11 / 6
003	295	269	745.2	7 / 5
005	458	269	752.1	6 / 6
009	850	269	762.0	10 / 7
011	1,143	269	767.8	30 / 4
015	1,526	269	776.7	11 / 5
017	1,743	269	780.5	54 / 4
MILL CREEK (INTO DEEP RIVER)				
489	48,866	1,228	576.0	98 / 45
499	49,921	1,228	583.1	143 / 8
507	50,665	717	586.3	50 / 91
512	51,157	717	589.4	84 / 13
519	51,907	717	594.7	48 / 72
524	52,432	717	598.8	58 / 115
530	52,958	717	603.4	4 / 47
537	53,705	443	609.5	7 / 40
541	54,102	443	613.1	31 / 2
546	54,638	443	618.9	47 / 40
MILL CREEK (INTO UWHARRIE RIVER)				
003	273	889	383.9[4]	25 / 20
013	1,287	811	383.9[4]	20 / 8

Table 11—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[3] *(feet)*
MILL CREEK (INTO UWHARRIE RIVER)				
017	1,659	811	383.9[4]	31 / 8
025	2,545	811	400.4	85 / 70
MILL CREEK TRIBUTARY 1				
003	276	1,085	543.4[4]	50 / 150
014	1,415	1,085	547.4	113 / 39
020	2,000	1,085	549.5	17 / 105
025	2,544	1,085	552.7	65 / 13
030	2,962	1,085	554.3	73 / 98
035	3,544	1,085	560.8	80 / 80
040	3,984	1,085	560.9	160 / 50
045	4,500	1,085	561.4	90 / 15
050	5,000	1,085	565.4	70 / 20
055	5,500	1,085	567.3	100 / 20
060	5,981	1,085	569.2	30 / 80
065	6,500	1,085	572.2	60 / 40
070	7,000	655	575.8	25 / 40
074	7,417	655	578.2	10 / 75
081	8,112	655	583.4	45 / 25
086	8,626	655	586.7	20 / 40
092	9,233	655	597.7	40 / 100
096	9,649	655	597.8	55 / 15
101	10,081	655	602.2	35 / 15
107	10,690	655	611.8	15 / 20
111	11,101	655	618.7	22 / 15
115	11,500	655	625.5	25 / 25
119	11,943	655	631.0	15 / 15
MILL CREEK TRIBUTARY 2				
002	236	1,029	546.5[4]	57 / 7
011	1,050	1,029	552.8	50 / 7
014	1,377	1,029	554.5	14 / 65
024	2,417	1,029	559.9	4 / 100
029	2,947	1,029	561.8	85 / 22
035	3,534	1,029	563.8	74 / 69
040	4,000	1,029	565.1	21 / 57
045	4,531	1,029	567.5	153 / 22
050	5,000	1,029	569.9	8 / 40
055	5,536	435	573.6	141 / 12
061	6,093	435	574.8	34 / 8
068	6,751	435	583.0	49 / 4
074	7,440	435	588.6	7 / 43
080	8,044	435	597.8	6 / 33
088	8,785	435	609.0	17 / 24

Table 11—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[3] *(feet)*
MILL CREEK TRIBUTARY 3				
003	269	676	572.5	19 / 22
007	697	676	575.5	55 / 16
015	1,500	676	581.4	25 / 34
025	2,544	676	598.4	76 / 71
032	3,214	396	598.5	23 / 39
039	3,857	396	600.0	17 / 19
MILL CREEK TRIBUTARY 4				
002	171	756	584.8[4]	31 / 58
013	1,271	756	590.1	9 / 72
018	1,760	756	594.3	67 / 16
024	2,395	756	597.6	4 / 76
032	3,170	756	602.9	43 / 13
035	3,500	756	605.2	80 / 5
041	4,052	469	608.0	59 / 9
047	4,686	469	612.6	16 / 16
053	5,264	469	617.9	41 / 22
MILLSTONE CREEK				
002	164	3,151	428.6[4]	13 / 19
010	1,000	3,151	428.6[4]	14 / 24
021	2,081	3,151	428.6[4]	48 / 20
026	2,566	3,151	428.6[4]	47 / 60
030	3,047	3,151	428.6[4]	31 / 47
035	3,500	3,151	428.6[4]	37 / 61
040	4,000	3,151	429.0	56 / 37
046	4,590	3,151	429.8	36 / 99
050	5,000	3,151	430.3	135 / 34
057	5,652	3,000	430.7	32 / 28
061	6,147	3,000	432.4	22 / 158
065	6,500	3,000	432.7	116 / 75
071	7,130	3,000	433.5	36 / 237
075	7,500	3,000	433.9	15 / 312
082	8,158	2,800	434.6	22 / 224
085	8,500	2,800	435.2	18 / 201
090	9,000	2,800	436.1	13 / 148
095	9,500	2,800	437.2	39 / 63
100	10,000	2,800	438.6	59 / 88
105	10,500	2,800	439.4	95 / 28
108	10,752	2,800	440.1	17 / 111
114	11,410	2,800	441.3	314 / 25
123	12,274	2,800	442.2	85 / 76
131	13,077	2,649	443.5	48 / 101
136	13,622	2,649	444.9	43 / 36
141	14,111	2,649	446.0	99 / 15

Table 11—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[3] *(feet)*
MILLSTONE CREEK				
151	15,057	2,649	447.8	30 / 13
156	15,584	2,649	450.0	22 / 25
161	16,079	2,649	451.4	9 / 47
165	16,500	2,649	452.9	16 / 37
172	17,158	2,649	454.0	10 / 49
179	17,933	2,649	455.6	339 / 14
185	18,549	2,649	455.7	40 / 50
191	19,121	2,649	457.7	30 / 48
200	20,000	2,649	460.2	13 / 16
206	20,615	2,435	464.4	112 / 11
212	21,213	1,690	465.7	88 / 98
214	21,429	1,015	466.0	27 / 65
MOUNT PLEASANT CREEK				
001	121	3,129	502.6[4]	46 / 71
008	753	3,129	502.6[4]	45 / 23
015	1,500	3,129	502.6[4]	34 / 324
021	2,063	3,129	502.6[4]	137 / 164
029	2,858	3,129	502.9	98 / 269
035	3,500	3,129	503.3	15 / 428
039	3,851	3,129	503.5	15 / 233
045	4,500	3,002	505.2	134 / 15
052	5,180	3,002	508.2	25 / 210
055	5,500	3,002	508.8	15 / 294
060	6,000	3,002	509.5	89 / 48
064	6,384	2,801	510.4	88 / 58
070	7,000	2,801	511.8	144 / 14
074	7,437	2,801	512.9	112 / 30
080	8,000	2,801	514.2	322 / 14
085	8,500	2,801	514.7	225 / 14
095	9,500	2,801	518.3	12 / 31
097	9,737	2,801	518.4	14 / 14
105	10,500	2,801	524.6	14 / 14
120	12,000	2,801	532.9	14 / 44
125	12,500	2,801	534.7	14 / 31
130	13,000	2,594	536.6	13 / 30
134	13,417	2,594	538.6	17 / 23
140	14,000	2,149	541.3	34 / 17
145	14,500	2,149	542.8	31 / 56
150	15,000	2,149	544.0	12 / 128
155	15,500	2,149	545.1	14 / 173
160	16,000	1,822	546.6	169 / 11
165	16,500	1,822	549.2	94 / 10
170	17,000	1,822	552.8	16 / 17

Table 11—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[3] *(feet)*
MOUNT PLEASANT CREEK				
175	17,500	1,822	555.7	29 / 33
180	18,000	1,822	557.8	11 / 105
185	18,500	1,822	559.5	33 / 56
190	19,000	1,822	561.8	66 / 83
198	19,795	1,822	566.0	69 / 11
205	20,500	1,822	570.3	28 / 83
210	21,000	1,822	571.7	48 / 24
215	21,500	1,822	574.8	70 / 56
220	22,000	1,822	576.3	143 / 56
224	22,404	1,822	577.4	32 / 103
230	23,000	1,615	580.3	10 / 114
235	23,500	1,615	582.0	31 / 117
251	25,088	1,615	589.1	10 / 135
257	25,664	1,615	591.4	10 / 56
260	26,000	1,615	592.9	10 / 67
265	26,500	1,615	594.3	154 / 30
270	27,000	1,615	595.4	12 / 105
281	28,111	1,311	601.4	18 / 226
285	28,500	1,311	601.7	63 / 122
290	29,000	1,311	602.4	9 / 103
295	29,500	1,311	605.7	88 / 9
301	30,085	1,311	609.0	68 / 21
306	30,615	1,136	611.1	8 / 83
313	31,324	1,136	614.9	46 / 25
MUDDY CREEK				
004	362	5,770	638.2[4]	142 / 350
014	1,387	5,770	638.2[4]	85 / 24
020	1,960	5,770	638.2[4]	50 / 37
025	2,500	5,770	638.2[4]	50 / 65
029	2,941	5,770	638.2[4]	394 / 56
035	3,500	5,770	638.2[4]	294 / 214
040	4,000	5,770	638.2[4]	421 / 25
045	4,505	5,770	638.2[4]	241 / 126
050	5,000	5,670	638.2[4]	32 / 49
056	5,581	5,670	638.6	25 / 33
060	6,000	5,670	640.7	34 / 59
062	6,240	5,670	641.4	25 / 121
067	6,694	5,670	642.6	121 / 25
072	7,226	5,670	643.7	25 / 47
075	7,500	5,110	644.2	24 / 39
080	8,000	5,110	645.4	129 / 31
084	8,411	4,900	645.7	41 / 40
089	8,940	4,900	646.6	54 / 98

Table 11—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[3] *(feet)*
MUDDY CREEK				
095	9,500	4,900	647.2	66 / 39
099	9,870	4,900	647.7	30 / 55
105	10,539	4,900	648.9	41 / 47
111	11,058	4,900	650.1	22 / 34
114	11,406	4,900	651.5	30 / 32
120	12,000	4,880	653.4	95 / 22
124	12,447	4,880	654.2	55 / 25
131	13,066	4,880	655.3	44 / 22
136	13,588	4,880	656.4	60 / 29
142	14,195	4,880	657.2	20 / 70
146	14,592	4,880	657.6	50 / 45
156	15,632	4,880	661.1	181 / 22
165	16,540	4,880	662.0	22 / 127
169	16,938	4,880	662.3	44 / 62
174	17,426	4,880	663.0	101 / 92
180	18,000	4,880	663.5	173 / 22
185	18,500	4,880	664.0	65 / 90
189	18,941	4,850	664.5	110 / 132
195	19,500	4,680	665.0	373 / 90
207	20,706	4,680	665.7	43 / 164
213	21,267	4,680	668.1	29 / 63
216	21,578	4,680	668.4	50 / 20
220	22,000	4,680	669.1	105 / 20
225	22,539	4,680	669.6	60 / 43
230	23,000	4,680	670.3	107 / 75
235	23,500	4,680	670.7	20 / 159
240	24,026	4,680	671.0	20 / 283
245	24,500	4,680	671.0	20 / 67
250	25,002	4,590	672.3	220 / 20
255	25,500	4,590	672.7	54 / 55
260	26,000	4,590	673.7	46 / 51
265	26,500	4,530	674.5	173 / 22
271	27,053	4,530	675.0	74 / 56
275	27,530	4,530	675.6	23 / 129
280	28,037	4,530	676.0	129 / 76
285	28,518	4,530	676.6	19 / 30
290	29,022	4,530	678.1	54 / 49
295	29,519	4,530	678.8	43 / 76
300	30,000	4,530	679.6	19 / 222
305	30,500	4,480	680.0	108 / 58
310	31,029	4,480	680.7	77 / 19
320	32,000	4,480	683.0	78 / 54
325	32,509	4,480	683.8	127 / 23

Table 11—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[3] *(feet)*
MUDDY CREEK				
330	33,000	4,480	684.4	50 / 69
335	33,455	4,480	685.2	47 / 92
338	33,844	4,480	685.7	43 / 107
347	34,679	4,480	686.8	97 / 19
350	35,000	4,480	687.3	72 / 90
355	35,500	4,440	687.8	32 / 291
362	36,191	4,440	688.3	140 / 18
369	36,896	4,440	689.3	38 / 95
376	37,609	4,350	690.2	100 / 44
387	38,656	4,350	691.7	128 / 39
391	39,099	4,350	692.1	89 / 34
396	39,593	4,110	692.5	68 / 16
401	40,062	4,110	694.1	53 / 32
406	40,632	4,110	695.4	37 / 57
414	41,360	4,110	697.0	55 / 47
MUDDY CREEK EAST TRIBUTARY				
195	19,500	802	814.1	35 / 60
200	20,028	802	818.6	30 / 60
205	20,453	802	820.9	40 / 45
206	20,600	802	824.4	40 / 45
209	20,934	802	824.5	25 / 25
210	20,970	802	824.5	25 / 25
215	21,481	802	830.2	17 / 18
218	21,799	802	833.7	30 / 30
218	21,837	802	835.4	30 / 30
219	21,892	802	835.7	35 / 35
220	21,962	802	838.1	35 / 35
MUDDY CREEK EAST TRIBUTARY 2				
002	171	377	752.8[4]	8 / 10
005	532	274	755.6	7 / 10
009	918	274	763.3	12 / 35
013	1,326	274	767.2	29 / 16
019	1,871	274	779.1	5 / 6
024	2,380	274	782.5	20 / 10
028	2,813	274	784.4	21 / 14
030	3,008	274	785.9	17 / 25
039	3,909	125	803.8	2 / 7
MUDDY CREEK EAST TRIBUTARY 3				
001	68	211	753.7[4]	8 / 5
005	470	211	762.8	7 / 15
009	869	211	768.6	5 / 11
027	2,677	211	799.7	30 / 30
031	3,081	211	811.1	10 / 10

Table 11—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[3] *(feet)*
MUDDY CREEK EAST TRIBUTARY 4				
015	1,485	988	770.8	70 / 70
025	2,481	614	775.4	58 / 10
030	2,977	614	783.1	15 / 30
034	3,419	614	788.3	25 / 35
037	3,719	614	792.8	7 / 9
038	3,754	614	795.3	8 / 12
039	3,855	614	795.5	20 / 23
039	3,923	614	795.8	20 / 23
041	4,143	614	797.5	23 / 23
MUDDY CREEK EAST TRIBUTARY 5				
002	210	395	770.9[4]	15 / 15
010	1,000	395	778.1	15 / 10
015	1,540	395	788.6	27 / 15
027	2,655	395	814.3	10 / 15
MUDDY CREEK EAST TRIBUTARY 6				
002	184	440	772.5	30 / 30
007	686	440	780.2	25 / 25
018	1,797	440	805.8	25 / 22
022	2,189	440	805.8	20 / 20
026	2,603	440	809.4	15 / 15
030	2,969	440	815.7	20 / 20
MUDDY CREEK TRIBUTARY				
003	344	715	720.0[4]	30 / 30
009	880	715	720.0	30 / 25
013	1,346	715	725.3	25 / 25
017	1,748	715	728.6	20 / 45
025	2,473	715	731.9	20 / 12
031	3,146	715	736.9	15 / 15
035	3,534	715	742.1	25 / 16
040	4,038	715	744.3	20 / 59
045	4,516	715	746.1	50 / 30
051	5,065	561	748.5	25 / 35
057	5,655	561	751.8	50 / 15
062	6,183	561	754.3	35 / 37
065	6,543	561	756.0	20 / 20
NANNY BRANCH				
001	120	661	445.2[4]	12 / 114
007	727	661	454.2	30 / 12
013	1,276	661	463.2	40 / 30
NARROWS BRANCH				
003	320	529	370.8[4]	12 / 7
009	946	529	370.8[4]	10 / 12
013	1,289	529	384.2	4 / 5

Table 11—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[3] *(feet)*
NARROWS BRANCH				
018	1,831	529	414.7	8 / 4
023	2,250	529	459.8	12 / 9
NORTH PRONG CREEK				
085	8,500	1,535	685.9	119 / 11
088	8,760	1,535	686.4	40 / 29
091	9,070	1,535	689.0	98 / 16
095	9,500	1,388	689.8	116 / 10
100	10,000	946	690.8	16 / 150
105	10,500	946	692.0	16 / 65
110	11,000	946	693.9	41 / 89
115	11,538	946	695.5	113 / 42
120	12,000	946	697.1	17 / 146
125	12,500	946	699.5	76 / 27
130	13,000	946	701.6	15 / 87
135	13,500	946	703.7	65 / 57
140	14,000	946	705.3	35 / 35
144	14,427	803	706.5	131 / 16
150	15,038	803	709.0	66 / 59
155	15,500	803	710.3	37 / 91
160	16,000	803	711.8	82 / 13
NORTH PRONG RICHLAND CREEK				
003	305	1,852	580.6	139 / 91
010	1,000	1,852	582.3	34 / 136
022	2,156	1,852	586.9	50 / 50
025	2,500	1,852	588.3	50 / 50
030	3,000	1,852	591.6	8 / 29
035	3,500	1,852	597.1	15 / 30
041	4,087	1,852	601.7	26 / 53
044	4,424	1,852	603.0	25 / 75
050	5,000	1,852	606.0	7 / 8
055	5,500	1,852	617.0	34 / 7
060	5,972	1,852	623.5	15 / 31
065	6,500	1,852	628.7	25 / 20
069	6,890	1,852	630.7	17 / 24
075	7,500	1,585	637.3	12 / 8
080	8,000	1,585	647.1	16 / 27
085	8,500	1,585	651.7	36 / 18
089	8,943	1,585	654.9	34 / 42
096	9,625	1,585	676.4	90 / 115
100	10,000	1,585	676.4	173 / 174
104	10,413	1,585	676.5	157 / 191
111	11,104	1,585	676.5	132 / 106
115	11,500	1,585	676.6	89 / 139

Table 11—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[3] *(feet)*
NORTH PRONG RICHLAND CREEK				
119	11,937	1,585	676.7	110 / 93
125	12,500	1,585	676.8	81 / 134
129	12,904	1,585	677.0	20 / 203
139	13,858	924	677.4	91 / 65
145	14,465	924	679.5	14 / 83
150	15,000	924	682.6	39 / 20
155	15,500	924	684.3	30 / 44
165	16,500	924	691.9	105 / 26
170	17,000	564	693.8	34 / 19
NORTH PRONG RICHLAND CREEK TRIBUTARY				
002	177	802	677.3[4]	108 / 60
009	858	802	678.8	38 / 58
015	1,500	802	683.0	26 / 14
021	2,050	802	688.5	18 / 19
025	2,500	802	693.3	69 / 7
029	2,911	572	700.0	46 / 34
NORTH PRONG ROCKY RIVER				
395	39,500	745	679.4	54 / 5
404	40,356	745	685.2	61 / 28
409	40,920	745	688.6	59 / 8
415	41,500	745	692.3	94 / 11
420	42,000	745	695.0	30 / 71
425	42,500	369	699.7	35 / 22
430	43,000	369	704.7	40 / 15
435	43,500	369	708.9	20 / 50
440	44,000	369	711.6	9 / 50
445	44,500	369	716.9	11 / 85
451	45,095	369	721.7	24 / 24
455	45,500	369	726.4	10 / 60
460	46,000	369	732.6	17 / 40
462	46,246	369	735.9	16 / 28
467	46,710	369	739.1	8 / 65
476	47,640	369	753.6	10 / 15
PENWOOD BRANCH				
241	24,105	1,730	750.2	30 / 45
246	24,586	1,730	755.0	30 / 25
259	25,866	1,730	760.2	25 / 25
265	26,500	1,410	763.8	25 / 25
268	26,844	1,410	769.0	25 / 25
275	27,521	1,410	773.6	70 / 20
284	28,412	1,410	781.6	35 / 35
291	29,091	1,410	784.5	35 / 45
300	29,952	884	791.8	20 / 20

Table 11—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[3] *(feet)*
PENWOOD BRANCH				
306	30,602	884	796.5	14 / 40
323	32,303	884	816.9	18 / 20
331	33,105	884	827.4	15 / 15
335	33,457	884	833.7	30 / 35
339	33,897	884	838.5	25 / 25
345	34,450	884	845.9	25 / 25
POLECAT CREEK TRIBUTARY 4				
084	8,398	2,038	683.9	17 / 90
090	9,000	2,038	684.8	124 / 29
095	9,500	2,038	686.2	17 / 83
100	10,000	2,038	687.8	17 / 202
105	10,450	2,038	688.6	17 / 105
110	11,000	2,038	690.1	17 / 87
114	11,397	2,038	691.0	17 / 107
122	12,184	2,038	693.9	35 / 84
126	12,597	2,038	695.2	148 / 26
REED CREEK (INTO DEEP RIVER)				
001	130	3,154	436.5[4]	48 / 35
009	936	3,154	436.5[4]	50 / 29
016	1,629	3,154	436.5[4]	31 / 100
021	2,067	3,154	436.5[4]	100 / 100
024	2,431	3,154	436.5[4]	90 / 22
031	3,067	3,154	436.5[4]	38 / 30
036	3,564	3,154	436.5[4]	52 / 41
040	4,000	3,154	436.5[4]	37 / 94
044	4,393	3,154	436.5[4]	23 / 60
049	4,942	3,154	437.6	48 / 16
055	5,547	3,154	441.3	16 / 35
061	6,119	3,154	444.5	33 / 19
065	6,500	3,154	446.3	17 / 52
070	7,042	3,154	448.4	16 / 24
075	7,543	3,154	450.6	26 / 30
080	8,000	3,154	451.6	32 / 19
092	9,165	3,063	455.4	39 / 240
095	9,495	2,860	455.5	102 / 74
098	9,837	2,860	457.2	24 / 18
105	10,500	2,860	461.9	24 / 90
111	11,080	2,860	464.8	15 / 35
115	11,532	2,860	468.4	14 / 34
121	12,097	2,860	473.2	52 / 13
125	12,500	2,860	475.7	25 / 15
130	13,000	2,860	480.0	15 / 43
140	13,980	2,860	483.3	20 / 21

Table 11—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[3] *(feet)*
REED CREEK (INTO DEEP RIVER)				
146	14,584	2,860	487.6	40 / 29
152	15,151	2,860	489.8	40 / 36
160	16,000	2,860	492.8	68 / 18
166	16,567	2,860	495.1	25 / 20
170	17,000	2,860	498.1	80 / 19
173	17,338	2,860	499.0	50 / 22
181	18,094	2,661	501.7	38 / 45
185	18,509	2,661	502.9	90 / 15
192	19,173	2,661	504.5	158 / 47
199	19,869	2,661	505.8	67 / 24
205	20,500	2,661	507.9	16 / 62
211	21,080	2,661	510.1	32 / 42
215	21,500	2,661	511.7	28 / 29
220	22,000	2,506	513.7	18 / 106
225	22,500	2,506	516.4	114 / 21
229	22,874	2,506	517.7	22 / 138
234	23,424	2,506	518.8	51 / 25
240	24,000	2,506	520.9	41 / 72
245	24,500	2,506	522.3	46 / 24
250	25,043	2,506	524.0	36 / 74
255	25,500	2,506	524.8	27 / 93
260	26,000	2,289	525.5	120 / 125
265	26,500	2,289	526.0	14 / 68
271	27,050	2,289	527.8	103 / 15
280	28,000	2,289	531.5	167 / 104
285	28,500	2,289	531.9	159 / 263
291	29,116	2,289	532.4	23 / 341
297	29,692	2,289	534.6	27 / 86
300	30,035	1,723	536.2	320 / 117
306	30,595	1,450	536.8	193 / 30
314	31,386	1,450	538.5	11 / 11
318	31,834	1,450	546.3	142 / 51
326	32,583	1,450	549.9	147 / 69
331	33,087	1,450	550.7	173 / 80
336	33,573	1,450	551.7	175 / 18
340	34,000	1,450	553.2	128 / 22
344	34,408	1,450	554.4	79 / 107
350	35,045	1,450	556.2	47 / 35
356	35,628	1,450	558.4	14 / 111
360	36,000	1,450	559.8	17 / 63
366	36,577	1,450	562.6	138 / 12
374	37,440	1,243	566.9	15 / 68
379	37,931	1,243	569.7	35 / 76

Table 11—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[3] *(feet)*
REED CREEK (INTO DEEP RIVER)				
385	38,500	925	571.9	17 / 68
390	39,000	925	574.7	9 / 64
394	39,426	925	578.2	22 / 27
406	40,552	925	586.1	20 / 22
410	41,000	925	589.5	63 / 17
414	41,411	925	592.4	20 / 82
420	42,000	925	596.3	20 / 75
430	42,964	925	606.1	13 / 17
434	43,436	925	610.7	25 / 53
441	44,058	646	614.0	44 / 20
446	44,553	646	619.4	40 / 62
REED CREEK (INTO LITTLE RIVER)				
003	278	1,867	603.4[4]	16 / 16
009	851	1,867	603.4[4]	45 / 16
015	1,469	1,867	604.9	16 / 98
019	1,901	1,867	607.6	16 / 30
024	2,430	1,867	617.6	20 / 32
037	3,672	1,794	632.9	75 / 7
040	4,000	1,794	635.4	24 / 16
045	4,464	1,794	638.2	90 / 50
051	5,142	1,794	639.4	16 / 55
056	5,616	1,794	641.0	37 / 15
059	5,878	1,794	642.8	62 / 16
065	6,522	1,794	645.6	111 / 24
069	6,921	1,794	646.4	140 / 15
REED CREEK TRIBUTARY 1				
002	214	1,003	535.5[4]	13 / 146
009	867	1,003	538.6	72 / 21
016	1,587	1,003	541.4	70 / 28
020	2,038	1,003	543.1	69 / 36
025	2,500	1,003	546.2	51 / 22
031	3,120	1,003	549.0	129 / 12
036	3,606	1,003	550.5	139 / 15
040	4,000	902	553.6	69 / 47
REED CREEK TRIBUTARY 2				
003	281	704	536.5[4]	82 / 160
008	828	704	538.6	20 / 52
012	1,152	704	542.6	12 / 54
023	2,310	704	551.1	52 / 8
030	3,000	704	557.1	10 / 90
037	3,653	704	561.7	24 / 46
REEDY CREEK				
004	368	1,544	617.8[4]	42 / 15

Table 11—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[3] *(feet)*
REEDY CREEK				
008	779	1,544	622.7	60 / 19
014	1,364	1,544	633.6	10 / 40
019	1,872	1,544	641.9	60 / 46
REEDY FORK				
001	139	1,038	488.1[4]	26 / 34
005	542	1,038	488.1[4]	57 / 118
011	1,072	1,038	488.1[4]	11 / 34
015	1,500	1,038	491.4	10 / 29
020	2,000	1,038	496.2	26 / 26
RICHLAND CREEK				
004	367	10,221	368.3[4]	50 / 50
009	875	10,221	368.3[4]	50 / 50
014	1,403	10,221	369.0	50 / 50
020	2,031	10,221	369.6	63 / 70
028	2,804	10,140	370.3	40 / 100
034	3,394	10,140	371.0	70 / 55
040	4,029	10,140	371.3	70 / 60
046	4,555	10,140	372.0	90 / 50
056	5,556	10,140	373.5	45 / 80
060	6,000	10,140	374.0	62 / 39
066	6,575	10,140	378.6	70 / 40
071	7,085	10,140	379.9	110 / 33
075	7,451	10,140	380.6	87 / 48
079	7,913	10,140	381.8	45 / 70
084	8,383	10,140	382.9	40 / 50
089	8,922	10,049	384.0	50 / 40
096	9,617	10,049	385.7	45 / 40
101	10,129	10,049	386.6	41 / 57
107	10,713	10,049	387.4	43 / 57
113	11,271	10,049	388.0	59 / 51
119	11,908	9,952	388.9	45 / 40
124	12,434	9,952	390.0	45 / 40
131	13,101	9,952	391.1	48 / 58
138	13,787	9,952	392.7	50 / 40
143	14,326	9,952	393.8	38 / 50
150	14,969	9,952	394.9	45 / 55
154	15,423	9,952	395.4	39 / 34
161	16,099	9,902	396.3	50 / 35
165	16,500	9,902	396.9	45 / 35
170	17,000	9,902	397.6	55 / 40
176	17,625	9,436	398.7	74 / 49
185	18,534	9,436	400.3	45 / 40
199	19,857	9,436	405.0	40 / 40

Table 11—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[3] *(feet)*
RICHLAND CREEK				
205	20,488	9,436	412.0	50 / 40
211	21,091	9,436	415.1	40 / 40
216	21,561	9,436	422.3	55 / 90
223	22,289	9,436	429.6	50 / 48
231	23,137	9,337	434.0	40 / 40
236	23,568	9,337	439.0	48 / 63
245	24,470	9,337	445.6	90 / 80
252	25,235	9,337	446.8	45 / 36
258	25,772	9,337	448.6	50 / 52
265	26,519	9,337	450.1	65 / 50
272	27,214	9,256	451.3	50 / 120
279	27,860	9,256	452.5	49 / 37
286	28,607	9,256	454.3	45 / 60
293	29,290	7,984	455.5	45 / 65
304	30,393	7,984	458.3	45 / 100
311	31,124	7,984	459.0	170 / 45
320	32,041	7,984	459.6	46 / 58
330	33,000	7,932	460.8	40 / 40
335	33,500	7,932	461.6	35 / 35
341	34,086	7,932	462.6	130 / 45
350	35,000	7,795	463.5	318 / 192
355	35,500	7,795	463.8	272 / 115
358	35,838	7,795	464.0	169 / 155
365	36,500	7,795	464.6	192 / 106
369	36,897	7,795	465.0	50 / 200
376	37,562	7,795	465.5	45 / 250
383	38,312	7,795	466.1	318 / 64
392	39,158	7,795	466.6	72 / 328
398	39,779	7,795	466.9	41 / 36
407	40,704	7,698	467.7	40 / 38
412	41,177	7,698	468.3	56 / 36
417	41,731	7,698	468.9	40 / 100
423	42,304	7,698	469.2	50 / 45
428	42,769	7,441	470.3	50 / 40
439	43,926	7,441	472.6	65 / 296
446	44,603	7,441	472.8	45 / 40
449	44,921	7,441	473.3	50 / 45
461	46,065	7,441	476.2	35 / 70
465	46,500	7,441	477.1	35 / 35
470	46,971	7,441	479.6	35 / 45
475	47,454	7,441	480.9	35 / 45
481	48,050	7,441	482.2	121 / 57
487	48,699	7,386	483.0	51 / 59

Table 11—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[3] *(feet)*
RICHLAND CREEK				
496	49,570	7,098	483.9	100 / 40
501	50,066	7,098	484.7	100 / 80
506	50,557	7,098	484.8	100 / 55
510	51,000	7,098	485.1	100 / 70
517	51,679	7,098	485.9	34 / 160
524	52,405	7,098	487.4	50 / 70
529	52,869	7,098	488.6	70 / 110
CROSS SECTIONS SHOWN ON FLODWAY DATA TABLE AND PROFILE FOR THIS PORTION				
760	75,984	4,778	565.0	40 / 33
765	76,500	3,285	568.3	33 / 38
770	77,000	3,285	569.6	50 / 30
777	77,678	3,285	571.5	72 / 70
782	78,150	3,285	572.2	120 / 110
787	78,702	3,285	573.4	180 / 170
791	79,083	3,285	573.6	60 / 110
802	80,185	2,926	574.9	22 / 104
810	81,000	2,926	576.9	15 / 62
815	81,538	2,926	577.8	34 / 22
821	82,136	2,926	579.2	14 / 101
827	82,661	2,926	580.6	175 / 17
ROBBINS BRANCH				
001	72	757	494.2[4]	12 / 9
008	784	757	501.7	70 / 12
013	1,345	757	507.4	12 / 71
ROCKY RIVER				
2058	205,809	2,501	644.0	399 / 42
2070	207,000	2,501	646.7	43 / 31
2080	208,000	2,501	655.2	19 / 13
2090	209,000	2,501	661.0	154 / 40
2096	209,629	1,967	664.4	103 / 117
2105	210,500	1,967	665.0	263 / 12
2115	211,474	1,967	666.2	81 / 129
2119	211,882	1,967	669.2	80 / 183
2125	212,500	1,967	670.3	168 / 12
2135	213,500	1,736	673.5	188 / 12
2145	214,500	1,736	676.5	223 / 75
2155	215,500	1,736	679.4	193 / 12
2166	216,606	1,088	682.6	221 / 91
2175	217,500	1,088	685.3	125 / 70
2180	218,000	1,088	687.3	24 / 8
2191	219,061	1,088	692.5	123 / 68

Table 11—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[3] *(feet)*
ROCKY RIVER				
2204	220,423	1,088	695.4	23 / 115
2215	221,500	868	701.0	201 / 7
2225	222,500	868	705.1	98 / 25
2235	223,500	868	709.2	168 / 7
2245	224,500	868	713.5	92 / 41
2255	225,500	868	718.9	81 / 47
2265	226,502	868	734.3	58 / 162
2274	227,379	512	735.1	56 / 167
2282	228,150	512	735.6	7 / 160
ROCKY RIVER TRIBUTARY 2				
004	360	862	664.3[4]	85 / 50
008	808	862	664.4	74 / 59
015	1,470	862	666.9	130 / 15
020	1,993	862	669.5	69 / 22
030	3,000	862	680.5	41 / 171
035	3,500	862	681.1	46 / 64
040	4,000	862	682.4	67 / 44
045	4,500	862	684.8	28 / 36
049	4,924	862	687.2	102 / 25
055	5,500	862	689.6	21 / 94
060	6,000	862	692.3	60 / 15
065	6,500	862	696.6	64 / 11
070	7,000	862	699.6	66 / 22
075	7,458	340	701.7	67 / 33
079	7,933	340	703.8	18 / 23
085	8,500	340	708.5	23 / 14
091	9,108	340	713.9	6 / 57
095	9,500	340	715.7	19 / 31
ROCKY RIVER TRIBUTARY 3				
003	270	771	681.5[4]	12 / 143
010	1,000	771	684.9	29 / 162
016	1,589	771	687.9	47 / 58
020	2,000	771	690.4	73 / 72
025	2,527	771	692.6	78 / 78
036	3,617	771	699.8	13 / 13
042	4,202	363	704.0	45 / 32
048	4,813	363	707.9	22 / 50
065	6,456	363	723.9	30 / 60
ROCKY RIVER TRIBUTARY 4				
001	71	343	696.4[4]	35 / 35
009	851	343	702.4	15 / 25
014	1,425	343	706.5	18 / 28
021	2,095	343	714.2	45 / 30

Table 11—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[3] *(feet)*
ROCKY RIVER TRIBUTARY 4				
030	3,000	343	721.1	13 / 21
036	3,562	343	727.8	42 / 7
050	5,000	343	749.4	40 / 25
SAND BRANCH				
001	54	699	440.5[4]	10 / 10
005	474	699	448.0	29 / 41
011	1,064	699	456.9	30 / 10
015	1,494	699	462.1	100 / 22
SANDY CREEK				
011	1,093	9,626	454.5[4]	40 / 150
019	1,935	9,626	454.5[4]	297 / 162
025	2,500	9,626	454.5[4]	100 / 250
028	2,843	9,626	454.5[4]	32 / 200
035	3,500	9,626	454.5[4]	490 / 55
040	4,000	9,626	454.5[4]	291 / 80
045	4,500	9,626	454.8	44 / 358
050	5,000	9,626	455.1	170 / 81
054	5,364	9,626	455.8	110 / 126
061	6,058	9,626	458.4	70 / 55
065	6,500	9,626	459.1	57 / 38
068	6,841	9,626	461.7	70 / 38
084	8,388	9,626	496.2	100 / 100
102	10,238	9,539	496.4	100 / 100
120	11,966	9,539	496.5	100 / 100
138	13,838	9,539	496.6	100 / 100
156	15,619	9,441	497.0	100 / 100
169	16,898	9,244	497.3	80 / 70
179	17,947	9,244	497.9	40 / 40
185	18,500	9,244	498.1	35 / 34
190	19,000	9,244	498.6	40 / 50
195	19,500	9,244	498.9	40 / 35
200	20,000	9,244	499.5	42 / 40
205	20,500	9,244	499.8	40 / 40
210	21,000	9,244	500.6	50 / 34
215	21,500	9,244	501.1	35 / 40
220	22,000	9,244	501.9	39 / 69
225	22,500	8,075	503.3	81 / 35
230	23,000	8,075	504.0	33 / 46
235	23,500	8,075	504.8	47 / 30
240	24,000	8,066	505.5	46 / 152
245	24,500	8,066	506.0	36 / 30
251	25,075	8,066	506.8	56 / 36
255	25,545	8,066	507.2	44 / 51

Table 11—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[3] *(feet)*
SANDY CREEK				
260	26,000	8,066	507.6	40 / 34
266	26,559	8,066	508.4	46 / 41
270	27,000	8,066	509.3	31 / 30
275	27,500	8,066	512.7	31 / 33
280	28,000	8,066	514.3	34 / 48
285	28,500	7,954	515.4	35 / 30
290	29,000	7,954	517.2	90 / 28
296	29,555	7,954	517.8	37 / 39
300	30,000	7,954	519.4	40 / 33
305	30,500	7,954	523.6	83 / 35
309	30,895	7,954	525.3	34 / 59
315	31,500	7,954	528.1	43 / 49
320	32,000	7,954	529.6	34 / 36
325	32,500	7,954	531.4	29 / 38
330	33,012	7,954	532.9	31 / 40
334	33,401	7,954	537.0	35 / 45
339	33,933	7,954	539.1	75 / 44
344	34,438	7,954	540.0	34 / 55
350	34,993	7,954	541.2	54 / 65
360	36,000	7,888	544.2	121 / 241
365	36,500	7,224	545.4	114 / 30
370	37,000	7,224	547.2	39 / 230
375	37,500	7,224	547.8	34 / 106
380	38,000	7,224	548.9	30 / 139
385	38,500	7,224	549.5	71 / 108
390	39,000	7,224	550.2	233 / 27
395	39,500	7,224	550.6	204 / 154
400	39,953	7,224	550.8	84 / 167
406	40,561	7,179	551.2	101 / 47
410	41,000	7,179	551.7	110 / 30
415	41,500	7,179	552.2	62 / 74
420	42,000	7,021	552.9	39 / 310
425	42,462	7,021	553.1	238 / 376
428	42,839	7,021	553.2	232 / 65
435	43,500	7,014	553.4	45 / 193
440	44,000	7,014	553.7	49 / 271
445	44,500	7,014	554.0	161 / 315
450	45,000	7,014	554.1	155 / 243
455	45,500	7,014	554.3	34 / 254
460	46,000	7,014	554.7	37 / 538
466	46,646	7,014	554.9	172 / 253
470	47,000	7,014	555.0	102 / 155
475	47,500	7,014	555.4	123 / 200

Table 11—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[3] *(feet)*
SANDY CREEK				
480	48,000	7,014	555.8	190 / 211
484	48,403	7,014	555.9	263 / 36
490	49,000	6,895	556.4	61 / 391
496	49,616	6,767	556.7	385 / 45
500	50,000	6,767	556.8	250 / 135
504	50,413	6,767	557.0	378 / 116
510	51,000	6,767	557.3	287 / 882
515	51,500	6,767	557.3	254 / 973
520	52,000	6,767	557.4	204 / 783
526	52,553	6,767	557.6	207 / 566
530	53,000	6,767	557.8	100 / 527
535	53,500	6,767	558.2	295 / 155
540	54,000	6,087	558.8	57 / 273
545	54,500	6,087	559.3	120 / 120
550	55,000	6,087	559.9	170 / 100
555	55,500	6,087	560.2	200 / 262
560	56,000	6,087	560.6	100 / 245
564	56,435	6,087	561.0	195 / 234
580	58,000	6,087	563.5	97 / 60
584	58,383	6,087	564.1	147 / 33
591	59,104	6,087	564.8	234 / 339
595	59,500	6,087	564.9	27 / 445
605	60,500	6,087	565.3	290 / 234
611	61,095	5,443	565.4	1047 / 34
615	61,500	5,390	565.4	1080 / 61
620	62,000	5,390	565.5	744 / 35
629	62,932	5,390	565.7	264 / 210
635	63,500	5,390	566.1	45 / 299
640	64,000	5,390	566.6	56 / 176
645	64,538	5,390	567.2	381 / 294
649	64,929	5,390	567.4	538 / 33
655	65,491	5,390	567.8	242 / 288
659	65,902	5,390	568.0	338 / 151
665	66,500	5,390	568.5	113 / 124
671	67,125	5,390	569.4	29 / 387
678	67,831	5,390	571.5	226 / 179
685	68,500	5,390	572.0	128 / 287
690	69,000	5,254	572.4	174 / 139
695	69,500	5,254	572.9	71 / 306
700	70,000	5,254	573.3	79 / 317
705	70,471	5,254	573.7	318 / 105
710	71,000	5,254	574.1	30 / 675
715	71,500	5,254	574.3	394 / 487

Table 11—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[3] *(feet)*
SANDY CREEK				
720	72,000	5,254	574.5	563 / 508
726	72,616	5,254	574.7	322 / 300
735	73,495	5,254	575.6	455 / 30
740	74,000	4,913	576.2	108 / 255
745	74,500	4,913	576.5	140 / 96
750	75,000	4,913	577.2	224 / 25
755	75,500	4,913	577.8	225 / 30
760	76,000	4,913	578.3	25 / 223
766	76,627	4,913	579.0	63 / 346
775	77,500	4,913	580.5	92 / 215
780	78,029	3,939	581.0	189 / 170
785	78,500	3,659	581.2	364 / 36
790	79,049	3,659	581.4	104 / 131
794	79,449	3,659	581.7	81 / 26
802	80,248	3,659	582.6	315 / 134
815	81,500	3,018	587.5	578 / 20
820	81,962	3,018	587.7	338 / 147
825	82,464	2,986	588.1	85 / 106
830	83,000	2,986	589.4	279 / 25
834	83,440	2,986	590.0	304 / 208
839	83,859	2,986	590.4	96 / 74
844	84,435	2,986	592.6	124 / 70
849	84,930	2,986	593.6	198 / 128
856	85,555	2,986	594.4	49 / 79
860	86,000	2,986	596.2	17 / 40
865	86,500	2,986	598.4	70 / 23
870	87,000	2,986	600.1	15 / 95
874	87,449	2,986	602.6	47 / 46
880	88,037	2,986	604.8	41 / 41
885	88,500	2,986	606.1	220 / 110
888	88,827	2,986	606.4	240 / 76
895	89,500	2,112	607.2	146 / 195
900	90,000	2,112	607.9	204 / 20
904	90,403	2,112	608.8	64 / 45
910	91,000	2,112	610.7	16 / 106
916	91,551	2,112	613.7	78 / 46
921	92,115	2,112	615.0	49 / 38
928	92,777	2,112	617.3	13 / 59
936	93,554	2,112	619.6	157 / 43
940	94,000	2,112	620.4	70 / 62
944	94,444	2,112	621.5	35 / 184
949	94,872	1,580	622.2	33 / 76
955	95,500	1,580	625.3	9 / 18

Table 11—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[3] *(feet)*
SANDY CREEK				
960	95,954	1,580	628.4	69 / 86
965	96,500	1,580	629.1	51 / 17
970	97,000	1,580	632.2	8 / 51
981	98,110	1,580	640.1	5 / 25
986	98,557	1,580	645.7	21 / 26
990	99,000	1,580	647.4	31 / 12
995	99,500	1,580	650.1	28 / 26
1000	99,979	1,580	652.8	29 / 58
1004	100,434	1,580	655.2	26 / 28
1010	101,000	1,580	659.5	18 / 24
1015	101,461	1,580	663.0	23 / 14
1019	101,913	1,580	666.7	51 / 52
1026	102,577	1,302	670.1	220 / 10
1030	103,000	1,302	675.4	30 / 25
1035	103,500	1,302	679.5	30 / 30
1040	103,974	1,302	683.4	119 / 30
1045	104,500	1,023	686.1	17 / 66
1050	105,000	1,023	689.4	22 / 42
1055	105,500	1,023	691.6	26 / 76
1060	106,000	999	694.1	47 / 52
1065	106,500	999	697.1	60 / 65
1070	107,000	999	699.5	18 / 73
1076	107,561	426	704.1	5 / 47
1080	108,029	426	713.5	15 / 16
1085	108,500	426	719.7	19 / 21
1091	109,054	426	730.4	17 / 2
SANDY CREEK TRIBUTARY 1				
003	326	2,014	558.4[4]	85 / 86
010	1,000	2,014	558.4[4]	149 / 28
015	1,500	2,014	558.4[4]	193 / 10
020	1,953	2,014	559.0	21 / 172
024	2,393	2,014	560.0	94 / 308
030	3,000	2,014	560.7	184 / 216
034	3,423	2,014	561.7	228 / 10
040	4,000	2,014	563.6	68 / 70
046	4,593	1,830	565.3	41 / 88
050	5,000	1,830	566.5	41 / 90
054	5,406	1,830	567.4	65 / 25
060	5,988	1,830	569.7	200 / 37
064	6,448	1,830	572.9	6 / 20
SANDY CREEK TRIBUTARY 2				
005	500	889	575.8[4]	117 / 10
010	1,000	889	581.1	31 / 6

Table 11—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[3] *(feet)*
SANDY CREEK TRIBUTARY 2				
015	1,500	889	588.7	97 / 10
020	2,000	889	594.0	46 / 17
025	2,500	889	597.5	34 / 38
031	3,077	889	601.3	67 / 15
035	3,451	889	604.3	29 / 19
046	4,596	889	615.5	78 / 9
050	5,000	889	622.2	102 / 8
053	5,333	889	629.8	5 / 51
063	6,309	889	645.6	20 / 140
070	7,028	889	653.1	50 / 7
076	7,589	889	658.7	64 / 12
080	8,000	889	660.6	98 / 19
085	8,500	889	663.8	45 / 28
090	9,000	889	668.8	87 / 17
096	9,578	556	673.3	75 / 17
100	10,046	556	678.6	67 / 7
106	10,631	556	686.7	8 / 75
114	11,363	556	695.5	30 / 19
120	12,042	556	700.0	106 / 5
125	12,500	556	703.7	95 / 6
130	13,000	556	709.1	35 / 21
135	13,500	556	712.0	57 / 23
140	14,000	556	715.7	74 / 5
145	14,500	556	723.7	15 / 19
150	15,000	556	731.4	20 / 29
156	15,556	556	742.2	17 / 32
160	16,000	556	748.9	54 / 9
165	16,515	556	757.6	12 / 41
SANDY CREEK TRIBUTARY 3				
005	500	2,226	580.6[4]	129 / 137
011	1,050	2,226	581.2	19 / 215
015	1,500	2,226	582.2	131 / 101
019	1,892	2,226	583.1	37 / 173
025	2,500	2,226	584.6	201 / 102
030	3,000	2,126	585.5	72 / 158
035	3,500	2,126	586.4	16 / 275
040	4,000	1,948	587.3	41 / 327
045	4,500	1,948	588.1	20 / 483
050	4,962	1,948	589.3	11 / 183
055	5,500	1,948	592.1	136 / 12
060	6,000	1,948	593.7	32 / 99
064	6,435	1,948	594.9	88 / 45
070	7,000	1,948	596.2	94 / 41

Table 11—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[3] *(feet)*
SANDY CREEK TRIBUTARY 3				
075	7,512	1,373	597.0	286 / 21
081	8,072	1,373	597.6	12 / 190
086	8,565	1,373	599.7	19 / 78
090	9,000	1,373	600.9	55 / 205
095	9,500	1,328	601.6	92 / 120
100	10,000	1,328	603.2	171 / 88
105	10,500	930	605.7	21 / 24
108	10,803	930	607.7	72 / 60
115	11,500	930	618.1	45 / 100
120	12,000	930	618.1	24 / 14
125	12,500	930	622.9	14 / 62
131	13,070	930	626.0	129 / 8
136	13,554	930	628.5	48 / 15
142	14,160	801	633.8	9 / 121
145	14,500	801	637.4	6 / 67
150	15,000	801	645.3	26 / 9
156	15,604	801	651.9	13 / 60
160	16,000	801	655.5	20 / 24
165	16,500	801	662.1	65 / 8
170	17,000	801	666.8	82 / 9
174	17,429	452	671.1	4 / 118
180	18,000	452	678.3	13 / 59
185	18,540	452	686.3	23 / 19
191	19,103	452	699.4	40 / 10
196	19,566	452	709.0	10 / 15
200	20,000	452	717.4	34 / 12
205	20,514	452	725.7	6 / 46
210	21,000	452	734.9	11 / 19
SANDY CREEK TRIBUTARY 4				
001	133	540	586.7[4]	8 / 54
005	506	540	589.8	19 / 38
011	1,069	540	597.9	10 / 31
020	2,000	540	610.6	8 / 65
025	2,517	540	617.4	26 / 13
030	3,000	540	624.2	34 / 3
036	3,566	540	638.8	9 / 8
040	4,000	540	648.9	64 / 12
045	4,500	316	656.6	4 / 8
050	5,000	316	664.3	11 / 11
054	5,378	316	668.6	10 / 32
060	6,030	316	679.4	11 / 19
064	6,433	316	686.2	14 / 12

Table 11—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[3] *(feet)*
SANDY CREEK TRIBUTARY 5				
005	500	961	596.4[4]	4 / 176
010	1,000	961	598.2	61 / 30
022	2,210	812	606.5	25 / 17
030	3,000	775	619.5	5 / 18
035	3,488	775	626.9	10 / 52
040	4,000	775	632.7	31 / 10
046	4,631	775	644.4	88 / 97
050	5,025	775	644.7	50 / 16
055	5,500	775	652.7	10 / 15
061	6,071	775	659.0	79 / 5
065	6,542	775	661.4	62 / 2
071	7,074	775	665.4	41 / 10
073	7,302	775	667.4	31 / 33
081	8,068	602	673.4	61 / 63
085	8,459	602	676.0	55 / 48
090	9,000	602	681.2	36 / 50
095	9,500	602	688.4	6 / 10
100	10,000	602	699.4	25 / 50
105	10,465	602	705.3	21 / 14
110	11,034	602	715.2	68 / 40
115	11,500	602	722.6	17 / 10
121	12,116	602	732.5	35 / 38
SANDY CREEK TRIBUTARY 6				
001	124	369	599.4[4]	15 / 15
008	769	369	617.4	20 / 15
012	1,194	369	628.7	10 / 10
017	1,727	369	638.3	9 / 19
023	2,315	369	646.7	11 / 12
029	2,923	369	657.5	15 / 10
040	4,022	369	691.6	50 / 30
048	4,836	369	701.8	50 / 40
056	5,600	369	711.7	35 / 30
060	6,000	369	713.0	8 / 8
065	6,533	369	724.1	10 / 10
SANDY CREEK TRIBUTARY 7				
003	306	991	581.2[4]	132 / 83
009	923	991	581.3	66 / 79
015	1,500	991	584.5	67 / 15
019	1,862	991	586.4	84 / 34
031	3,082	991	593.2	23 / 47
036	3,560	991	594.9	20 / 54
040	4,000	991	596.5	38 / 83
046	4,632	991	598.5	23 / 72

Table 11—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[3] *(feet)*
SANDY CREEK TRIBUTARY 7				
050	5,000	991	600.5	11 / 66
054	5,398	991	602.6	50 / 56
060	5,980	991	605.6	93 / 38
065	6,534	991	608.3	90 / 30
071	7,138	991	611.6	27 / 98
077	7,667	764	614.6	78 / 30
082	8,156	764	617.6	49 / 30
087	8,670	764	621.6	64 / 18
091	9,068	764	625.1	13 / 88
095	9,500	764	629.2	70 / 53
100	10,000	764	633.3	15 / 74
105	10,500	764	639.6	15 / 42
110	11,000	764	645.5	13 / 68
115	11,500	764	652.4	17 / 65
SANDY CREEK TRIBUTARY 8				
004	382	1,461	606.6[4]	53 / 82
009	861	1,461	607.8	101 / 85
015	1,500	1,461	609.5	163 / 21
021	2,056	1,461	611.1	141 / 15
024	2,438	1,461	612.5	90 / 8
030	3,000	1,461	614.4	10 / 222
034	3,392	1,461	615.2	13 / 169
041	4,063	1,461	618.7	30 / 21
045	4,500	1,461	622.2	14 / 39
050	5,000	1,461	624.3	102 / 34
055	5,485	1,461	626.1	89 / 5
060	6,000	1,461	629.4	34 / 65
065	6,500	1,461	631.9	39 / 40
071	7,101	1,461	635.4	17 / 26
075	7,500	1,461	645.3	25 / 12
079	7,869	1,461	661.2	67 / 7
085	8,451	1,461	665.0	185 / 13
090	9,000	1,461	666.6	33 / 23
095	9,500	1,461	669.2	80 / 56
105	10,500	1,224	673.5	30 / 88
110	11,000	1,224	674.5	66 / 34
115	11,547	1,224	676.3	25 / 115
120	12,000	1,224	678.4	13 / 132
125	12,469	1,224	680.6	17 / 168
128	12,793	1,224	681.9	138 / 13
137	13,653	1,224	685.2	109 / 105
141	14,090	1,224	686.8	7 / 161
145	14,500	1,224	688.9	109 / 14

Table 11—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[3] *(feet)*
SANDY CREEK TRIBUTARY 8				
150	15,000	1,224	692.0	96 / 22
155	15,500	1,224	694.7	109 / 19
160	16,000	1,224	697.4	43 / 15
165	16,500	1,224	701.0	19 / 49
170	16,967	1,224	704.5	28 / 21
175	17,500	1,224	708.9	11 / 55
180	18,000	841	713.0	26 / 56
185	18,500	841	715.4	165 / 11
190	19,000	841	718.2	37 / 21
195	19,502	841	724.3	9 / 46
200	20,000	841	729.9	34 / 17
205	20,468	841	734.2	8 / 40
210	21,000	841	738.3	40 / 82
215	21,500	556	741.4	5 / 55
SANDY CREEK TRIBUTARY 9				
001	124	978	621.7[4]	8 / 74
010	977	978	628.5	8 / 35
015	1,500	978	632.7	41 / 12
018	1,794	978	634.6	58 / 26
026	2,579	978	641.3	7 / 35
030	3,000	978	644.5	7 / 31
035	3,500	978	647.6	195 / 7
040	4,000	978	650.4	13 / 16
045	4,500	978	654.0	18 / 57
050	5,000	978	658.8	21 / 7
055	5,500	978	670.0	5 / 32
060	6,000	978	675.5	129 / 9
065	6,500	978	679.8	119 / 6
070	7,000	750	683.1	108 / 34
075	7,500	750	685.4	6 / 209
080	8,000	750	688.4	7 / 119
086	8,588	437	692.7	39 / 52
090	9,000	437	695.5	12 / 40
094	9,360	437	700.6	16 / 79
100	10,000	437	708.0	16 / 8
SANDY CREEK TRIBUTARY 10				
001	59	573	683.6[4]	17 / 23
003	348	573	688.0	15 / 32
010	1,041	573	697.7	8 / 61
015	1,500	573	702.2	44 / 16
020	2,011	573	706.6	10 / 105
024	2,410	573	709.5	8 / 105

Table 11—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[3] *(feet)*
SANDY CREEK TRIBUTARY 10				
029	2,867	573	712.9	24 / 49
033	3,343	573	717.2	69 / 29
038	3,832	573	721.3	37 / 24
044	4,415	573	728.2	53 / 10
048	4,835	399	732.5	6 / 40
SANDY CREEK TRIBUTARY 11				
000	46	436	703.4[4]	21 / 26
005	500	436	710.6	17 / 34
010	1,000	436	718.3	13 / 20
SECOND CREEK				
005	500	4,367	395.7[4]	31 / 557
008	828	4,367	395.7[4]	80 / 46
016	1,578	4,367	395.7[4]	132 / 45
020	2,000	4,367	395.7[4]	417 / 14
023	2,349	4,367	395.7[4]	230 / 76
028	2,751	4,367	395.7[4]	46 / 288
035	3,500	4,288	395.7[4]	168 / 118
038	3,770	4,288	395.7[4]	60 / 117
045	4,534	4,288	395.7[4]	252 / 28
050	5,000	4,288	395.7[4]	231 / 35
055	5,500	4,288	395.7[4]	126 / 69
061	6,100	4,168	395.7[4]	323 / 27
069	6,910	4,168	395.8	87 / 282
078	7,809	4,168	400.4	154 / 25
085	8,525	4,083	401.9	40 / 40
095	9,495	4,083	409.8	40 / 70
101	10,112	4,083	412.5	185 / 35
105	10,500	3,978	414.3	187 / 30
110	11,000	3,978	416.1	22 / 296
116	11,597	3,978	417.5	17 / 135
119	11,941	3,978	419.3	25 / 106
123	12,286	3,978	420.8	20 / 160
130	13,000	3,978	422.8	13 / 306
136	13,584	3,978	424.5	113 / 40
144	14,410	3,747	427.6	88 / 160
152	15,166	3,747	429.8	50 / 35
161	16,078	3,747	435.7	120 / 90
165	16,500	3,747	437.1	350 / 45
171	17,075	3,747	438.1	425 / 35
177	17,719	3,374	439.8	154 / 42
185	18,461	3,374	442.1	20 / 320
191	19,076	3,374	444.4	25 / 207
199	19,885	3,374	448.3	135 / 96

Table 11—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[3] *(feet)*
SECOND CREEK				
204	20,375	3,281	449.0	20 / 60
210	21,045	3,281	451.1	96 / 20
214	21,409	3,281	452.1	67 / 47
218	21,787	3,281	453.0	141 / 25
224	22,356	3,281	454.2	136 / 25
231	23,147	3,281	455.8	111 / 111
235	23,500	3,281	456.4	145 / 88
246	24,580	2,677	460.1	165 / 19
250	25,000	2,677	461.0	355 / 24
255	25,500	2,677	462.1	96 / 82
261	26,112	2,677	465.1	40 / 318
269	26,938	2,677	467.0	97 / 110
274	27,397	2,677	468.0	25 / 183
280	28,000	2,677	469.2	25 / 330
285	28,500	2,608	470.0	63 / 106
292	29,167	2,608	472.0	150 / 192
295	29,500	2,608	472.7	171 / 123
301	30,063	2,608	474.0	272 / 30
305	30,500	2,608	475.1	71 / 40
309	30,919	2,608	478.2	19 / 213
315	31,500	2,028	479.4	96 / 15
320	32,000	2,028	482.4	33 / 12
326	32,596	2,028	486.7	11 / 130
330	33,001	2,028	489.7	10 / 101
335	33,500	1,995	493.4	35 / 40
339	33,861	1,995	495.7	15 / 98
344	34,386	1,995	499.8	60 / 22
350	35,000	1,995	503.8	123 / 10
354	35,412	1,995	504.9	98 / 23
SECOND CREEK TRIBUTARY 1				
002	188	408	395.7[4]	12 / 109
004	426	408	395.7[4]	12 / 61
012	1,181	408	401.6	110 / 67
015	1,530	408	401.8	68 / 108
021	2,143	408	407.2	5 / 10
SECOND CREEK TRIBUTARY 2				
002	234	1,364	458.5[4]	37 / 76
006	648	1,364	460.3	31 / 126
015	1,500	1,046	466.9	14 / 23
020	2,000	1,046	472.4	40 / 68
026	2,565	1,046	476.4	13 / 23
SECOND CREEK TRIBUTARY 2A				
000	38	691	463.0[4]	20 / 16

Table 11—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[3] *(feet)*
SECOND CREEK TRIBUTARY 2A				
007	658	691	469.5	10 / 14
010	953	691	474.8	9 / 8
015	1,480	691	480.0	22 / 25
020	2,000	691	483.4	40 / 9
SECOND CREEK TRIBUTARY 3				
003	263	1,214	478.7[4]	45 / 95
010	976	1,214	485.2	61 / 35
013	1,260	1,214	486.2	11 / 10
016	1,645	1,214	491.3	11 / 51
021	2,060	1,214	495.8	11 / 38
026	2,636	1,057	505.0	50 / 46
030	2,985	1,057	505.3	12 / 15
035	3,467	1,057	511.7	17 / 9
SILVER RUN CREEK				
004	367	1,170	393.7[4]	79 / 13
011	1,128	1,170	393.7[4]	257 / 35
016	1,563	1,170	393.7[4]	82 / 45
021	2,073	1,170	393.7[4]	30 / 13
025	2,500	1,022	393.7[4]	50 / 52
029	2,942	1,022	393.7[4]	120 / 12
036	3,550	1,022	393.7[4]	12 / 83
040	4,010	1,022	394.8	21 / 23
049	4,882	1,022	401.8	44 / 15
SIMMONS BRANCH				
004	380	1,552	633.5[4]	22 / 297
010	1,000	1,552	633.5[4]	15 / 114
013	1,343	1,552	633.5[4]	51 / 94
020	1,997	1,552	633.5[4]	15 / 51
025	2,500	1,552	633.5[4]	73 / 10
030	3,000	1,437	633.5[4]	11 / 120
036	3,567	1,437	633.5[4]	16 / 111
040	4,000	1,437	635.2	13 / 53
045	4,500	1,437	638.5	23 / 66
055	5,500	1,437	645.0	18 / 21
060	6,000	1,437	649.0	70 / 10
066	6,620	1,309	652.1	33 / 89
SOUTH FORK JACKSON CREEK				
000	39	2,116	506.2[4]	17 / 8
005	477	2,116	510.8	43 / 23
011	1,067	2,116	513.3	103 / 99
014	1,419	2,116	513.8	68 / 99
020	2,000	2,116	515.5	34 / 79
026	2,550	2,116	517.8	180 / 12

Table 11—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[3] *(feet)*
SOUTH FORK JACKSON CREEK				
030	3,000	2,116	519.4	59 / 15
035	3,500	2,116	523.1	42 / 15
040	4,024	2,116	525.8	30 / 70
044	4,423	1,983	528.0	15 / 93
050	4,960	1,983	529.4	15 / 40
055	5,500	1,983	534.8	17 / 90
060	6,000	1,983	536.2	66 / 20
065	6,500	1,851	539.4	41 / 11
070	6,979	1,851	542.7	49 / 55
075	7,471	1,851	544.6	98 / 20
SOUTH PRONG LITTLE RIVER				
003	266	1,936	677.8[4]	17 / 16
006	648	1,936	677.8[4]	60 / 36
014	1,397	1,936	678.7	20 / 10
022	2,210	1,936	684.2	30 / 70
025	2,477	1,936	684.9	53 / 43
SOUTH PRONG RICHLAND CREEK				
002	215	1,910	580.6[4]	87 / 12
011	1,083	1,910	584.5	101 / 95
015	1,494	1,910	585.6	83 / 50
021	2,111	1,910	587.7	100 / 16
029	2,936	1,910	590.6	97 / 11
035	3,500	1,910	592.3	23 / 161
040	3,969	1,910	593.1	39 / 117
050	5,000	1,641	599.6	71 / 15
055	5,468	1,641	600.2	101 / 19
061	6,128	1,641	601.6	105 / 64
065	6,500	1,641	602.5	85 / 76
070	7,000	1,641	603.9	59 / 52
079	7,890	1,409	608.0	50 / 90
085	8,500	1,409	612.6	35 / 110
090	8,952	1,409	615.7	27 / 140
095	9,500	1,409	616.9	78 / 34
100	10,000	1,409	618.7	11 / 76
108	10,759	1,409	622.2	29 / 62
113	11,330	1,409	625.1	65 / 35
118	11,826	1,409	626.8	179 / 7
124	12,409	1,087	628.7	142 / 5
130	13,038	1,087	632.0	129 / 12
134	13,442	1,087	634.2	38 / 60
140	14,000	1,087	637.8	54 / 38
144	14,402	1,087	639.8	25 / 44
150	14,967	1,087	646.5	43 / 50

Table 11—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[3] *(feet)*
SOUTH PRONG RICHLAND CREEK				
155	15,500	1,087	646.7	71 / 71
160	16,000	1,087	648.3	76 / 5
164	16,423	1,087	652.9	72 / 19
171	17,132	561	658.1	11 / 84
SOUTH PRONG STINKING QUARTER CREEK				
172	17,168	1590	627.1	61 / 67
177	17,669	1590	629.1	15 / 89
185	18,530	1590	645.8	249 / 142
193	19,294	965	649.6	120 / 100
197	19,734	965	649.8	140 / 150
203	20,313	965	650.6	60 / 90
207	20,664	965	652.6	58 / 41
211	21,102	965	654.8	31 / 45
220	21,999	870	661.0	18 / 21
225	22,481	870	664.2	93 / 77
229	22,862	870	672.2	83 / 8
233	23,283	870	677.2	20 / 44
236	23,641	870	680.8	13 / 73
242	24,156	870	684.7	67 / 13
246	24,598	870	689.0	13 / 21
250	24,992	870	694.6	13 / 49
255	25,465	870	698.9	26 / 13
258	25,810	870	702.6	13 / 81
263	26,252	870	706.1	38 / 13
268	26,791	870	712.0	13 / 45
270	27,022	870	714.0	13 / 39
274	27,430	870	719.4	14 / 28
277	27,745	870	723.2	30 / 13
282	28,235	870	728.2	18 / 45
286	28,581	870	733.9	17 / 23
291	29,053	870	754.9	132 / 170
294	29,385	870	754.9	250 / 241
STINKING QUARTER CREEK TRIBUTARY 3				
001	125	995	624.4[4]	67/48
005	519	995	626.9	47/56
009	928	995	629.2	47/117
012	1,231	995	630.3	88/71
019	1,922	953	638.5	15/75
024	2,421	953	639.4	33/38
029	2,897	953	642.2	30/12
034	3,438	953	647.1	79/13
038	3,813	953	649.4	40/44
042	4,196	953	652.2	77/12

Table 11—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[3] *(feet)*
STINKING QUARTER CREEK TRIBUTARY 3				
047	4,679	953	657.1	17/12
050	5,040	953	660.9	20/71
056	5,580	953	666.7	40/25
058	5,836	953	669.6	21/56
062	6,218	953	672.1	40/10
065	6,509	953	675.5	17/40
069	6,871	953	678.3	11/43
071	7,117	953	681.1	15/55
TAYLOR BRANCH				
001	141	1,329	692.4[4]	64 / 48
005	500	1,329	692.4[4]	82 / 10
010	1,000	1,329	692.6	57 / 34
014	1,440	1,329	694.6	12 / 53
020	2,000	1,329	700.2	18 / 13
025	2,500	1,329	704.6	55 / 50
030	3,000	1,329	705.9	19 / 77
035	3,500	1,329	707.6	109 / 57
040	4,000	1,329	709.8	23 / 65
045	4,500	1,329	712.2	36 / 54
050	4,955	1,329	714.2	57 / 15
057	5,696	1,214	716.1	79 / 92
060	6,000	1,214	716.4	27 / 28
065	6,500	1,214	719.8	98 / 28
070	7,000	1,214	721.5	20 / 70
075	7,500	1,214	723.0	59 / 95
080	8,000	1,214	724.4	95 / 28
085	8,500	1,214	726.1	151 / 5
092	9,153	1,214	728.0	69 / 33
096	9,620	1,214	729.8	24 / 65
102	10,170	1,214	732.0	59 / 70
107	10,718	1,214	738.9	34 / 95
110	10,950	1,214	739.0	31 / 92
115	11,500	834	739.4	109 / 60
TOMS CREEK				
003	302	4,499	401.8[4]	33 / 42
009	883	4,499	401.8[4]	38 / 25
018	1,786	4,499	401.8[4]	25 / 210
027	2,666	4,499	401.8[4]	203 / 381
032	3,243	4,499	401.8[4]	148 / 25
040	4,033	4,499	401.8[4]	119 / 60
045	4,500	4,499	401.8[4]	381 / 52
050	5,000	4,499	401.8[4]	164 / 193
055	5,486	4,423	401.8[4]	25 / 419

Table 11—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[3] *(feet)*
TOMS CREEK				
063	6,290	4,423	401.8[4]	243 / 225
071	7,107	4,423	402.0	242 / 25
076	7,596	4,423	403.2	25 / 356
082	8,206	4,423	404.4	25 / 196
086	8,591	4,423	405.0	142 / 24
093	9,337	4,351	407.3	38 / 200
098	9,758	4,351	408.2	60 / 374
104	10,389	4,351	408.9	248 / 47
108	10,774	4,351	409.5	32 / 175
120	12,019	4,212	413.0	24 / 244
123	12,334	4,212	413.2	24 / 280
130	13,000	4,212	414.0	125 / 83
134	13,411	4,212	414.6	177 / 237
140	14,000	4,212	415.1	24 / 243
147	14,650	4,122	416.7	30 / 337
158	15,778	4,122	419.9	50 / 25
165	16,483	4,122	428.3	34 / 24
170	17,000	4,122	431.4	23 / 24
177	17,667	4,122	437.4	23 / 24
180	18,044	4,122	441.4	48 / 54
189	18,888	3,949	443.4	23 / 364
194	19,374	3,949	443.9	110 / 231
199	19,906	3,949	444.8	221 / 156
205	20,500	3,949	445.8	137 / 103
210	21,000	3,949	446.7	23 / 125
215	21,500	3,949	448.0	23 / 331
221	22,112	3,881	448.8	77 / 307
227	22,706	3,881	449.6	178 / 23
233	23,339	3,881	450.9	53 / 23
240	24,000	3,881	453.5	292 / 48
245	24,455	3,709	454.4	130 / 181
250	25,000	3,709	455.8	101 / 354
255	25,500	3,709	456.6	378 / 22
258	25,783	3,709	457.0	447 / 32
265	26,500	3,709	458.3	327 / 22
270	27,000	3,522	459.3	263 / 28
275	27,500	3,522	460.5	114 / 168
281	28,057	3,522	462.0	103 / 33
284	28,395	3,522	463.6	75 / 27
292	29,180	3,470	466.0	287 / 12
306	30,631	3,349	471.1	21 / 281
314	31,428	3,349	473.2	21 / 126
322	32,207	3,349	477.4	21 / 40

Table 11—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[3] *(feet)*
TOMS CREEK				
329	32,913	3,239	482.1	65 / 78
335	33,520	3,239	484.8	30 / 40
339	33,926	3,239	487.1	20 / 36
344	34,356	3,239	490.1	20 / 21
348	34,810	3,129	493.8	31 / 20
353	35,294	3,129	495.5	29 / 20
357	35,709	3,129	497.5	20 / 60
363	36,318	3,129	499.6	66 / 86
368	36,839	3,129	500.9	102 / 20
TWOMILE BRANCH				
001	113	1,098	438.6[4]	51 / 59
007	730	1,098	443.1	35 / 51
012	1,227	931	449.9	11 / 15
016	1,610	931	460.4	34 / 10
020	1,992	931	471.7	6 / 12
TWOMILE CREEK				
007	681	746	394.2[4]	50 / 58
012	1,201	746	394.2[4]	12 / 15
017	1,666	746	394.2[4]	12 / 12
020	1,971	746	397.9	12 / 12
UWHARRIE RIVER				
859	85,941	20,407	369.2	63/123
871	87,105	20,407	370.2	110/80
880	88,000	20,407	370.8	116/154
888	88,845	20,397	371.2	135/126
901	90,091	20,388	371.7	66/145
911	91,137	20,386	372.5	153/89
918	91,831	20,386	372.9	124/63
928	92,753	20,386	373.6	102/72
936	93,618	20,386	374.3	78/151
952	95,166	20,386	375.7	66/138
962	96,193	20,337	376.4	121/97
977	97,718	20,330	377.7	190/100
986	98,639	20,330	378.3	129/78
998	99,760	20,330	379.1	125/60
1012	101,158	20,320	380.1	85/250
1023	102,263	20,316	380.3	182/197
1032	103,203	20,316	380.7	238/123
1041	104,078	20,316	380.9	108/102
1052	105,171	20,311	381.5	62/238
1060	106,044	20,305	381.8	246/99
1068	106,751	20,305	382.2	253/65
1079	107,850	20,296	382.6	170/55

Table 11—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[3] *(feet)*
UWHARRIE RIVER				
1090	109,004	20,296	383.3	404/91
1100	110,000	20,296	383.4	386/75
1108	110,828	20,296	383.6	74/299
1118	111,799	20,296	384.0	84/270
1126	112,647	20,278	384.3	296/169
1136	113,578	20,278	384.6	220/75
1155	115,505	20,153	385.4	291/64
1171	117,137	20,153	386.8	115/200
1182	118,213	20,153	387.1	74/153
1191	119,124	20,135	388.0	134/177
1202	120,198	20,123	388.7	89/406
1220	122,030	20,109	389.7	68/231
1231	123,137	20,109	390.4	75/177
1243	124,251	20,109	391.1	273/67
1253	125,322	20,109	391.8	217/253
1263	126,313	20,109	392.1	190/210
1285	128,537	19,975	393.3	222/313
1300	130,001	19,975	393.8	403/552
1316	131,585	19,938	394.0	489/276
1327	132,703	19,938	394.2	567/48
1343	134,299	19,918	394.9	90/810
1354	135,414	19,918	395.1	160/685
1361	136,085	19,918	395.3	55/662
1375	137,497	19,911	395.7	272/148
1398	139,818	19,424	396.5	418/276
1408	140,818	19,424	396.8	86/339
1432	143,217	19,424	397.7	949/111
1443	144,345	19,424	397.9	916/69
1456	145,633	19,424	398.2	569/96
1472	147,242	19,424	399.7	471/638
1483	148,267	19,411	400.0	1,107/213
1494	149,430	19,411	400.2	876/157
1521	152,127	19,411	401.0	78/739
1543	154,307	19,411	401.8	659/67
1561	156,085	18,973	402.6	116/572
1583	158,341	18,909	403.7	634/166
1596	159,620	18,909	404.1	141/460
1612	161,245	18,909	405.0	80/910
1626	162,614	18,897	405.6	605/61
1641	164,061	18,897	406.0	48/916
1656	165,613	18,897	406.5	794/106
1677	167,693	18,886	407.3	72/1,003
1690	168,984	18,886	407.7	600/400

Table 11—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[3] *(feet)*
UWHARRIE RIVER				
1705	170,475	18,886	408.7	391/315
1725	172,548	18,873	409.8	53/867
1738	173,795	18,873	410.2	1,000/50
1754	175,361	18,873	410.5	70/723
1763	176,262	18,873	410.8	60/521
1780	178,002	14,877	411.9	893/57
1796	179,571	14,877	412.3	341/595
1807	180,688	14,877	413.2	494/105
1818	181,753	14,877	413.5	654/47
1834	183,371	14,850	414.2	92/700
1844	184,362	14,850	414.5	229/233
1861	186,140	14,822	415.6	128/73
1875	187,510	14,822	416.8	360/62
1885	188,527	14,822	417.2	74/234
1899	189,894	13,555	417.8	38/280
1911	191,050	13,555	418.7	264/61
1922	192,192	13,555	419.8	60/228
1932	193,207	13,518	420.6	399/101
1943	194,276	13,518	421.1	295/305
1958	195,826	13,518	444.8	205/205
1988	198,796	13,425	445.1	305/305
2028	202,786	13,392	445.3	278/278
2052	205,182	13,080	445.4	203/203
2082	208,185	12,913	445.5	574/574
2119	211,898	12,864	445.5	204/204
2156	215,649	12,692	445.7	334/334
2174	217,375	12,337	445.7	95/95
2188	218,808	12,337	446.2	141/141
2198	219,782	12,295	446.3	111/111
2210	220,980	12,295	446.6	114/114
2220	222,034	12,295	446.8	135/150
2242	224,238	12,036	447.6	240/46
2256	225,609	12,036	449.3	65/50
2283	228,272	11,999	453.3	113/46
2298	229,753	11,975	454.8	200/50
2315	231,472	11,975	456.3	52/75
2328	232,831	11,975	457.3	43/60
2336	233,591	7,613	459.0	41/46
2348	234,831	7,613	462.4	251/29
2357	235,672	7,613	463.2	403/47
2367	236,715	7,613	463.8	350/40
2377	237,739	7,252	464.5	55/55
2396	239,649	7,252	467.6	50/45

Table 11—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[3] *(feet)*
UWHARRIE RIVER				
2409	240,938	7,212	470.0	35/95
2422	242,207	7,212	471.8	37/38
2433	243,288	7,212	473.9	78/37
2441	244,086	7,212	474.8	37/48
2449	244,873	7,118	476.4	37/63
2457	245,664	7,118	477.5	40/40
2467	246,729	7,118	479.0	35/35
2480	247,967	7,118	481.1	41/39
2496	249,646	7,004	483.9	34/68
2505	250,548	7,004	484.8	53/40
2513	251,274	7,004	485.5	80/100
2525	252,454	7,004	486.3	85/49
2532	253,226	6,607	487.3	48/47
2544	254,363	6,607	488.7	54/81
2558	255,798	6,503	489.7	38/42
2573	257,295	6,503	492.9	34/34
2583	258,312	6,503	494.7	40/35
2594	259,411	6,361	497.7	60/90
2605	260,459	6,309	499.1	50/32
2615	261,501	6,309	500.6	35/33
2634	263,391	6,245	504.2	50/30
2638	263,843	6,245	505.5	64/41
2651	265,148	6,245	507.2	125/40
2660	265,975	5,990	508.2	31/68
2674	267,350	5,990	510.8	29/35
2685	268,513	5,896	513.2	75/36
2694	269,404	5,896	514.4	45/70
2706	270,568	5,896	515.9	45/35
2716	271,587	5,709	517.9	41/35
2729	272,907	5,709	520.3	160/100
2738	273,802	5,446	520.8	30/40
2744	274,417	5,446	522.3	29/29
2750	274,984	5,446	523.6	29/29
2759	275,942	5,446	526.2	29/29
2770	276,950	5,446	530.0	29/29
2787	278,685	5,402	538.3	32/32
2795	279,479	5,402	544.6	25/25
2804	280,407	5,402	552.0	29/29
2814	281,425	5,402	554.8	29/29
2823	282,318	5,402	557.4	29/29
2832	283,245	4,623	560.7	25/25
2842	284,231	4,499	564.4	25/25
2852	285,193	4,499	567.8	23/23

Table 11—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[3] *(feet)*
UWHARRIE RIVER				
2863	286,257	4,499	570.8	22/22
2874	287,430	4,499	575.7	22/22
2882	288,183	4,499	578.4	26/26
CROSS SECTIONS SHOWN ON FLODWAY DATA TABLE AND PROFILE FOR THIS PORTION				
3224	322,430	1,024	718.2	13 / 12
3232	323,236	1,024	725.1	15 / 11
3237	323,700	1,024	729.3	16 / 13
3241	324,079	1,024	731.4	24 / 15
3244	324,394	1,024	734.2	15 / 35
3246	324,629	905	736.7	15 / 16
3248	324,838	905	737.4	15 / 15
3251	325,060	905	738.5	15 / 15
3254	325,396	905	742.0	21 / 22
3259	325,852	905	745.1	14 / 14
3262	326,166	905	748.5	14 / 21
3264	326,446	905	751.0	13 / 13
3267	326,730	905	754.2	16 / 25
3275	327,484	905	759.7	19 / 50
3281	328,109	905	768.1	30 / 50
3283	328,332	905	772.2	12 / 24
3287	328,710	905	790.7	18 / 67
UWHARRIE RIVER TRIBUTARY 1				
003	276	240	371.7[4]	10 / 10
006	608	240	371.7[4]	12 / 7
010	1,049	240	380.4	9 / 11
UWHARRIE RIVER TRIBUTARY 2				
007	739	756	387.1[4]	12 / 70
011	1,115	756	387.1[4]	12 / 63
014	1,442	756	387.1[4]	88 / 44
020	2,000	756	390.6	12 / 67
025	2,500	756	395.4	12 / 87
030	2,973	756	399.6	12 / 34
UWHARRIE RIVER TRIBUTARY 3				
005	531	659	388.0[4]	15 / 12
010	1,000	659	388.1	16 / 12
014	1,380	659	394.8	4 / 23
019	1,893	659	403.0	5 / 64
UWHARRIE RIVER TRIBUTARY 4				
005	452	1,511	445.3[4]	82 / 93
009	877	1,511	445.3[4]	165 / 184
013	1,323	1,511	445.3[4]	213 / 225
020	2,000	1,511	445.3[4]	103 / 90
026	2,574	1,466	445.3[4]	174 / 153

Table 11—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[3] *(feet)*
UWHARRIE RIVER TRIBUTARY 4				
030	3,000	1,466	445.3[4]	61 / 70
033	3,348	1,466	445.3[4]	21 / 50
038	3,751	1,466	445.3[4]	200 / 90
UWHARRIE RIVER TRIBUTARY 5				
005	500	1,057	445.4[4]	484 / 462
011	1,092	1,057	445.4[4]	199 / 164
016	1,622	1,057	445.4[4]	161 / 189
020	2,000	1,057	445.4[4]	118 / 99
029	2,874	1,021	452.2	146 / 164
033	3,307	1,021	452.2	242 / 253
041	4,099	1,021	452.2	50 / 50
UWHARRIE RIVER TRIBUTARY 6				
004	441	1,424	464.1[4]	14 / 36
009	935	1,424	464.3	18 / 17
014	1,399	1,424	469.0	20 / 20
017	1,707	1,082	471.4	89 / 44
021	2,058	1,082	472.4	58 / 45
025	2,539	1,082	475.4	65 / 13
035	3,490	1,082	483.0	58 / 13
UWHARRIE RIVER TRIBUTARY 7				
003	310	1,015	520.3[4]	9 / 10
008	846	1,015	520.3[4]	14 / 12
015	1,487	1,015	527.3	13 / 119
021	2,132	809	533.0	6 / 8
026	2,597	809	540.3	59 / 50
UWHARRIE RIVER TRIBUTARY 8				
004	359	2,015	557.4[4]	14 / 8
008	797	2,015	561.5	17 / 13
014	1,356	2,015	571.1	17 / 17
019	1,940	2,015	577.3	34 / 17
024	2,429	2,015	581.5	17 / 17
031	3,056	2,015	588.2	17 / 17
035	3,545	2,015	592.5	19 / 17
039	3,887	2,015	594.4	26 / 17
045	4,500	2,015	596.9	18 / 17
050	4,970	2,015	599.0	28 / 35
055	5,500	2,015	600.0	20 / 8
060	5,980	2,015	604.9	81 / 9
067	6,652	1,907	607.7	59 / 29
071	7,058	1,907	609.0	22 / 35
075	7,500	1,907	610.8	18 / 28
080	8,026	1,907	613.5	49 / 18
085	8,500	1,907	615.1	16 / 34

Table 11—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[3] *(feet)*
UWHARRIE RIVER TRIBUTARY 8				
090	9,043	1,907	618.0	16 / 30
096	9,575	1,735	622.5	34 / 15
100	9,953	1,735	625.1	64 / 16
105	10,500	1,735	627.0	31 / 16
115	11,462	1,735	632.8	19 / 15
120	11,971	1,735	635.9	38 / 35
126	12,567	963	638.1	19 / 36
131	13,074	963	640.6	25 / 12
135	13,500	963	642.9	71 / 12
140	13,972	963	644.9	120 / 15
146	14,621	842	648.0	12 / 29
151	15,058	842	651.0	27 / 22
155	15,500	842	653.1	25 / 12
166	16,578	821	663.2	12 / 110
UWHARRIE RIVER TRIBUTARY 8A				
002	238	1,212	636.3[4]	13 / 30
007	708	1,212	639.5	100 / 120
012	1,170	1,188	642.9	55 / 48
016	1,642	1,188	645.2	15 / 15
020	2,000	1,188	649.2	30 / 15
023	2,262	1,188	651.1	27 / 24
026	2,645	1,188	653.7	16 / 21
029	2,882	1,188	656.0	20 / 28
034	3,395	1,188	660.0	22 / 18
040	3,987	1,188	664.9	40 / 21
UWHARRIE RIVER TRIBUTARY 9				
002	200	1,440	578.8[4]	13 / 5
005	497	1,440	582.3	11 / 22
009	921	1,440	586.5	20 / 8
013	1,346	1,440	591.4	30 / 75
019	1,890	1,440	595.8	58 / 5
026	2,563	1,440	607.3	10 / 12
036	3,585	1,440	614.9	50 / 125
041	4,073	1,440	618.0	30 / 40
046	4,597	1,286	619.9	135 / 90
050	5,021	1,286	621.6	100 / 55
057	5,699	1,286	625.5	59 / 8
061	6,066	1,286	628.5	19 / 14
064	6,413	1,286	631.7	5 / 28
070	7,031	1,286	637.2	15 / 20
076	7,648	1,286	646.7	25 / 20
081	8,067	1,286	650.6	30 / 50
086	8,609	1,286	653.4	30 / 10

Table 11—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[3] *(feet)*
UWHARRIE RIVER TRIBUTARY 9				
091	9,077	1,286	656.5	67 / 28
096	9,604	1,286	658.9	5 / 186
107	10,669	1,286	668.0	33 / 37
118	11,792	936	674.6	108 / 3
121	12,144	936	677.6	145 / 3
133	13,250	936	685.7	52 / 3
136	13,609	936	691.9	22 / 8
142	14,172	666	700.4	7 / 25
147	14,726	666	712.7	3 / 39
153	15,258	666	722.1	15 / 6
156	15,621	666	729.1	15 / 5
170	16,982	666	743.8	13 / 16
176	17,628	666	752.2	10 / 55
181	18,087	666	758.1	20 / 3
186	18,630	666	767.3	18 / 13
192	19,207	381	777.8	40 / 3
200	20,048	381	790.7	52 / 3
205	20,544	381	798.9	10 / 5
209	20,878	381	804.6	10 / 6
VESTAL CREEK				
000	16	2,708	565.0[4]	30 / 30
002	214	2,708	565.8	20 / 15
008	755	2,708	570.7	70 / 55
016	1,589	2,708	572.5	170 / 50
023	2,348	2,708	573.8	28 / 220
029	2,859	2,391	574.6	80 / 140
035	3,456	2,391	577.2	80 / 80
045	4,500	2,391	580.8	25 / 20
050	5,000	2,391	586.3	30 / 15
055	5,500	2,391	587.9	25 / 40
059	5,937	2,391	588.9	56 / 26
065	6,500	2,391	590.7	55 / 20
071	7,067	2,391	593.6	80 / 60
075	7,500	2,391	594.8	100 / 26
080	8,000	2,272	596.5	110 / 50
085	8,533	2,272	599.7	50 / 30
089	8,920	2,272	603.3	45 / 40
095	9,500	2,272	604.5	30 / 30
100	10,042	2,272	609.4	30 / 40
105	10,527	2,272	614.4	35 / 35
109	10,941	2,272	619.0	40 / 70
115	11,500	2,272	621.9	90 / 70
120	12,000	2,272	625.8	190 / 40

Table 11—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[3] *(feet)*
VESTAL CREEK				
125	12,500	2,272	626.9	35 / 32
130	13,000	2,272	631.7	25 / 30
135	13,500	2,272	635.4	20 / 30
142	14,204	2,272	642.2	45 / 20
150	14,979	2,272	650.6	20 / 20
VESTAL CREEK TRIBUTARY 3				
021	2,091	1,054	667.2	36 / 29
026	2,638	1,054	672.1	12 / 9
033	3,253	1,054	678.3	39 / 35
039	3,871	1,054	682.6	20 / 16
043	4,336	1,054	689.2	15 / 12
048	4,771	1,054	694.8	4 / 47
059	5,895	1,054	710.2	17 / 15
066	6,567	1,054	718.4	36 / 14
071	7,076	1,054	722.6	11 / 31
078	7,807	1,054	731.7	15 / 33
082	8,236	1,054	736.0	12 / 25
089	8,862	1,054	742.9	11 / 8
WAGNERS BRANCH				
007	682	1,062	581.9[4]	32 / 13
011	1,130	1,062	581.9[4]	34 / 39
016	1,591	1,062	581.9[4]	13 / 86
022	2,156	1,062	585.0	14 / 27
027	2,683	1,062	594.1	20 / 12
031	3,122	1,062	598.5	18 / 37
040	4,002	1,062	602.5	27 / 28
044	4,419	1,062	606.9	16 / 40
053	5,257	922	613.3	60 / 18
057	5,712	922	615.9	85 / 12
061	6,144	922	618.3	12 / 95
066	6,577	922	622.0	12 / 91
070	7,019	922	626.0	26 / 37
074	7,422	922	629.0	92 / 36
079	7,948	922	632.2	30 / 18
084	8,405	922	635.5	36 / 35
089	8,903	922	638.0	87 / 37
098	9,802	922	644.5	23 / 63
112	11,190	672	655.4	32 / 43
117	11,660	672	656.3	12 / 62
125	12,533	484	665.6	90 / 53
131	13,112	484	668.1	50 / 12
137	13,671	484	673.9	37 / 65
146	14,626	484	683.9	19 / 12

Table 11—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[3] *(feet)*
WALKERS CREEK				
002	248	1,819	376.4[4]	53 / 70
007	680	1,819	376.4[4]	90 / 50
012	1,163	1,819	376.4[4]	64 / 56
018	1,775	1,819	385.3	56 / 115
WESLEY DEAN BRANCH				
004	422	596	577.2[4]	30 / 34
010	1,029	596	578.1	34 / 57
016	1,556	596	582.8	43 / 12
020	2,000	596	586.7	42 / 12
025	2,452	596	590.5	15 / 79
031	3,061	536	597.7	12 / 12
036	3,573	536	603.0	21 / 23
040	3,989	536	606.0	12 / 13
WEST FORK LITTLE RIVER				
763	76,341	3,799	614.6	476 / 128
771	77,087	3,799	614.8	32 / 72
776	77,573	3,799	615.9	38 / 73
781	78,081	3,601	616.7	41 / 77
787	78,672	3,601	617.8	22 / 93
792	79,186	3,601	618.7	39 / 71
798	79,832	3,601	619.6	51 / 93
808	80,799	3,601	620.4	675 / 30
812	81,247	3,601	620.5	254 / 30
816	81,647	3,601	620.6	27 / 21
823	82,255	3,194	622.0	53 / 30
835	83,469	3,194	624.2	110 / 10
844	84,390	3,194	628.9	323 / 11
848	84,847	3,194	629.1	37 / 22
852	85,233	3,194	630.7	22 / 47
860	86,000	3,194	632.7	104 / 16
864	86,419	3,194	635.5	28 / 16
868	86,845	3,194	639.4	25 / 25
873	87,291	3,194	645.5	44 / 70
875	87,469	3,194	647.1	23 / 64
879	87,888	3,194	651.6	10 / 116
884	88,393	3,194	652.8	10 / 62
888	88,828	3,194	653.7	22 / 22
892	89,196	3,194	655.0	21 / 70
896	89,556	3,194	655.8	31 / 63
899	89,911	3,194	656.2	12 / 96
905	90,500	3,194	658.3	26 / 59
908	90,772	3,194	659.2	21 / 119
912	91,198	2,878	660.1	40 / 26

Table 11—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[3] *(feet)*
WEST FORK LITTLE RIVER				
918	91,760	2,878	661.1	35 / 15
923	92,254	2,878	662.5	9 / 79
929	92,899	2,878	663.3	11 / 58
936	93,551	2,878	664.7	39 / 39
940	94,019	2,878	665.4	46 / 18
945	94,500	2,878	667.7	11 / 62
949	94,939	2,878	670.3	90 / 37
956	95,583	2,878	671.8	29 / 33
959	95,899	2,878	673.1	36 / 23
964	96,372	2,878	674.0	26 / 27
968	96,782	2,878	675.1	10 / 63
974	97,374	2,414	676.6	22 / 36
981	98,110	2,414	679.4	122 / 71
985	98,500	2,414	679.7	12 / 212
990	99,000	2,414	680.4	13 / 204
996	99,598	2,295	681.5	83 / 49
1000	100,000	2,295	682.4	13 / 42
1004	100,424	2,295	683.8	19 / 46
1010	100,972	2,295	686.3	8 / 69
1015	101,500	2,295	687.8	18 / 83
1020	102,000	2,295	688.9	39 / 8
1030	103,000	2,252	691.2	26 / 84
1035	103,540	2,252	693.2	8 / 39
1041	104,067	2,060	696.8	47 / 17
1046	104,616	1,987	698.1	224 / 123
1050	105,034	1,987	698.3	95 / 83
1054	105,386	1,987	698.8	55 / 17
1058	105,755	1,987	700.3	16 / 122
1064	106,379	1,987	701.2	381 / 6
1070	107,000	1,987	701.7	132 / 233
1074	107,442	1,987	702.5	100 / 7
1080	108,000	1,987	705.5	108 / 7
1085	108,500	1,987	706.5	21 / 54
1090	109,000	1,987	707.6	203 / 6
1093	109,296	1,987	707.8	127 / 145
1101	110,124	1,694	708.9	71 / 16
1106	110,581	1,694	709.8	45 / 45
WEST FORK LITTLE RIVER TRIBUTARY 1				
003	305	1,111	621.5[4]	38 / 13
009	891	1,111	622.2	13 / 154
015	1,535	1,111	623.3	13 / 74
021	2,109	1,111	629.0	13 / 71

Table 11—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[3] *(feet)*
WEST FORK LITTLE RIVER TRIBUTARY 2				
001	125	872	675.7[4]	12 / 12
005	510	872	678.4	13 / 27
009	899	872	681.3	26 / 30
012	1,206	872	685.5	49 / 4
016	1,623	872	691.8	8 / 10
WEST FORK LITTLE RIVER TRIBUTARY 3				
002	239	460	694.1[4]	27 / 12
005	542	460	695.8	26 / 12
009	869	460	698.5	22 / 12
013	1,318	460	701.1	12 / 12
WEST FORK LITTLE RIVER TRIBUTARY 4				
004	350	335	697.3[4]	12 / 12
006	587	335	697.3[4]	9 / 12
010	1,000	335	700.3	8 / 8
013	1,333	335	703.0	12 / 12
WEST FORK LITTLE RIVER TRIBUTARY 5				
001	78	664	707.8[4]	95 / 12
006	626	664	707.8[4]	5 / 38
010	1,009	664	710.0	47 / 39

[1] This table reflects all modeled cross sections. Some cross sections shown in this table may not appear on the map.
[2] Feet above mouth.
[3] Left/right distance from the mapped center of stream to encroachment boundary based on a 1.0 foot or less surcharge (looking downstream).
[4] Elevation includes backwater effects.
[5] Flooding controlled by Uwharrie River.

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
Caraway Creek								
941	94,130	112	959	4.3	526.5	526.5	527.5	1.0
951	95,094	44	367	11.2	530.6	530.6	531.5	0.9
961	96,113	137	1,013	4.1	538.2	538.2	539.1	0.9
972	97,246	128	1,159	3.6	540.5	540.5	541.5	1.0
987	98,708	300	1,895	1.7	543.3	543.3	544.1	0.8
995	99,532	87	381	8.3	547.3	547.3	547.6	0.3
1004	100,413	122	664	4.8	551.0	551.0	552.0	1.0
1012	101,213	57	465	6.8	557.8	557.8	558.6	0.8
1024	102,385	74	468	6.6	570.8	570.8	571.3	0.5
1033	103,290	80	478	6.4	580.8	580.8	581.1	0.3
1041	104,063	63	510	6.0	590.3	590.3	590.7	0.4
1049	104,948	96	376	7.6	599.7	599.7	600.0	0.3
1056	105,613	99	629	4.6	604.0	604.0	604.0	0.0
1068	106,813	91	629	4.6	609.1	609.1	609.9	0.8
1077	107,655	84	628	4.6	613.2	613.2	614.2	1.0
1088	108,814	84	350	8.0	617.8	617.8	618.0	0.2
1098	109,833	58	437	6.4	631.3	631.3	631.3	0.0
1108	110,838	170	855	3.2	634.8	634.8	635.4	0.6
1121	112,131	79	426	6.3	637.7	637.7	638.6	0.9
1135	113,497	184	670	4.0	643.0	643.0	644.0	1.0
1149	114,915	130	847	3.2	648.6	648.6	649.5	0.9

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

CARAWAY CREEK

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
Caraway Creek (continued)								
1160	116,014	95	723	3.7	651.9	651.9	652.9	1.0
1173	117,303	149	864	3.0	656.0	656.0	656.8	0.8
1184	118,352	106	557	4.7	659.4	659.4	659.6	0.2
1200	120,009	130	709	3.2	663.6	663.6	664.6	1.0
1212	121,214	82	531	4.2	667.4	667.4	668.4	1.0
1227	122,686	135	764	3.0	672.6	672.6	673.6	1.0
1237	123,712	104	523	4.1	674.8	674.8	675.6	0.8
1252	125,214	81	563	3.8	679.3	679.3	680.1	0.8
1264	126,414	183	1,239	1.4	681.6	681.6	682.6	1.0
1277	127,660	185	848	2.1	682.7	682.7	683.4	0.7
1289	128,875	153	966	1.6	687.4	687.4	688.3	0.9
1300	129,997	110	619	2.5	688.9	688.9	689.7	0.8
1313	131,253	111	787	1.8	693.4	693.4	694.2	0.8
1325	132,498	111	562	2.5	694.7	694.7	695.6	0.9
1336	133,648	82	422	3.4	697.3	697.3	698.2	0.9
1348	134,814	133	496	1.9	699.1	699.1	700.1	1.0
1360	136,007	95	318	3.0	703.2	703.2	704.0	0.8
1369	136,876	102	443	2.1	706.8	706.8	707.7	0.9
1380	138,014	90	410	2.3	709.9	709.9	710.8	0.9
1391	139,097	34	172	4.5	714.5	714.5	715.0	0.5

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

CARAWAY CREEK

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
Cedar Fork Creek								
006	638	258	938	3.3	474.3	473.7[2]	473.9	0.2
014	1,358	157	834	3.7	475.9	475.9	476.1	0.2
026	2,570	94	734	4.2	480.1	480.1	480.6	0.5
037	3,675	128	608	5.0	485.3	485.3	486.3	1.0
045	4,544	76	512	5.9	488.3	488.3	489.3	1.0
060	6,019	78	525	5.8	493.2	493.2	493.8	0.6
072	7,200	123	897	3.4	498.6	498.6	499.2	0.6
079	7,943	80	536	4.8	500.4	500.4	501.4	1.0
085	8,543	55	467	5.5	504.9	504.9	505.6	0.7
090	8,986	80	350	7.3	507.3	507.3	507.5	0.2
100	9,957	105	819	2.9	510.4	510.4	511.4	1.0
107	10,671	110	734	3.2	520.6	520.6	520.6	0.0
116	11,583	72	393	6.0	528.8	528.8	528.8	0.0
129	12,852	73	477	4.9	537.3	537.3	538.1	0.8
137	13,655	53	330	7.1	541.9	541.9	542.8	0.9
143	14,312	95	383	6.1	551.5	551.5	551.5	0.0
153	15,261	42	344	6.6	558.4	558.4	559.4	1.0
162	16,227	42	314	7.3	565.4	565.4	565.5	0.1
172	17,157	39	289	7.9	572.7	572.7	573.2	0.5
179	17,888	101	500	4.6	579.0	579.0	579.9	0.9
186	18,586	28	180	12.7	597.9	597.9	597.9	0.0
193	19,280	38	209	9.9	621.3	621.3	621.5	0.2
201	20,101	52	196	10.5	628.2	628.2	628.2	0.0
208	20,802	24	149	13.8	640.4	640.4	640.4	0.0

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Back Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

CEDAR FORK CREEK

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
Cedar Fork Creek (continued)								
215	21,511	37	237	8.7	661.5	661.5	662.4	0.9
227	22,690	57	243	8.5	673.7	673.7	673.7	0.0
235	23,452	37	190	8.3	700.4	700.4	700.7	0.3
241	24,132	55	357	4.4	707.0	707.0	708.0	1.0
248	24,831	34	248	6.4	712.4	712.4	712.8	0.4
264	26,365	38	142	10.4	723.8	723.8	723.8	0.1
272	27,212	65	254	5.8	736.0	736.0	736.1	0.0
280	27,989	31	143	7.9	748.0	748.0	748.8	0.8
290	28,973	34	154	7.4	764.2	764.2	764.4	0.2
297	29,667	138	408	2.8	774.2	774.2	774.2	0.0
304	30,360	57	262	4.3	782.1	782.1	782.6	0.5
315	31,541	42	242	4.7	799.4	799.4	800.1	0.7
323	32,310	75	336	3.4	806.6	806.6	807.6	1.0
332	33,193	37	233	2.6	816.2	816.2	817.0	0.8
337	33,654	58	162	3.7	818.6	818.6	819.5	0.9
341	34,052	30	117	5.2	823.6	823.6	824.5	0.9
342	34,236	17	63	9.6	827.3	827.3	827.3	0.1
347	34,747	49	260	2.3	837.7	837.7	838.4	0.7
353	35,255	28	88	6.9	843.6	843.6	844.3	0.7

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

CEDAR FORK CREEK

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
Deep River								
4026	402,600	165	4,804	7.2	436.7	436.7	437.2	0.5
4031	403,105	155	4,575	7.6	437.1	437.1	437.5	0.4
4037	403,702	201	5,884	5.9	437.7	437.7	438.2	0.5
4042	404,211	155	4,456	7.8	437.9	437.9	438.4	0.5
4047	404,721	160	4,569	7.6	438.3	438.3	438.9	0.6
4052	405,165	226	6,117	5.7	438.9	438.9	439.5	0.6
4056	405,611	160	4,537	7.7	439.1	439.1	439.7	0.6
4061	406,063	152	4,444	7.8	439.4	439.4	440.1	0.7
4065	406,485	177	5,156	6.7	439.9	439.9	440.6	0.7
4071	407,062	160	4,382	7.9	440.2	440.2	441.0	0.8
4076	407,603	153	4,262	8.1	440.8	440.8	441.5	0.7
4081	408,126	155	4,224	8.2	441.3	441.3	442.0	0.7
4087	408,665	150	4,287	8.1	441.8	441.8	442.6	0.8
4092	409,165	186	5,128	6.8	442.5	442.5	443.3	0.8
4097	409,669	192	5,060	6.9	443.0	443.0	443.8	0.8
4102	410,244	182	4,694	7.4	443.3	443.3	444.1	0.8
4108	410,767	210	4,970	7.0	443.8	443.8	444.6	0.8
4113	411,251	240	5,469	6.3	444.2	444.2	445.2	1.0
4119	411,871	260	6,148	5.6	445.0	445.0	445.9	0.9
4124	412,428	280	6,449	5.4	445.5	445.5	446.4	0.9
4130	412,960	300	6,543	5.3	446.0	446.0	446.9	0.9
4135	413,545	230	5,151	6.7	447.3	447.3	447.9	0.6

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

DEEP RIVER

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
Deep River (continued)								
4141	414,076	310	7,161	4.9	447.9	447.9	448.7	0.8
4147	414,711	190	4,185	8.3	448.2	448.2	449.2	1.0
4152	415,220	190	4,260	8.2	448.9	448.9	449.8	0.9
4157	415,665	190	4,364	8.0	449.6	449.6	450.4	0.8
4161	416,078	190	4,340	7.9	450.1	450.1	450.9	0.8
4166	416,642	287	5,224	6.6	451.0	451.0	451.7	0.7
4171	417,134	319	5,758	5.9	451.5	451.5	452.3	0.8
4177	417,665	210	4,607	7.4	451.9	451.9	452.7	0.8
4181	418,111	220	4,937	6.9	452.6	452.6	453.3	0.7
4189	418,915	306	5,743	6.0	453.4	453.4	454.1	0.7
4199	419,878	420	6,465	5.3	454.4	454.4	455.2	0.8
4211	421,138	220	4,973	5.8	455.7	455.7	456.6	0.9
4219	421,915	180	4,060	7.0	456.1	456.1	456.9	0.8
4226	422,644	151	3,461	8.3	456.8	456.8	457.6	0.8
4232	423,165	182	3,920	7.3	457.6	457.6	458.4	0.8
4237	423,665	241	4,364	6.6	458.2	458.2	459.2	1.0
4241	424,131	193	3,935	7.3	458.7	458.7	459.7	1.0
4247	424,715	185	3,852	7.4	459.5	459.5	460.5	1.0
4252	425,165	210	4,003	7.1	460.2	460.2	461.2	1.0
4258	425,784	250	4,446	6.4	461.2	461.2	462.2	1.0
4262	426,211	240	4,678	6.1	462.1	462.1	463.1	1.0
4267	426,723	240	4,528	6.3	462.6	462.6	463.6	1.0
4271	427,078	290	5,162	5.5	463.1	463.1	464.0	0.9

[1]Feet above mouth

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
Deep River (continued)								
4277	427,665	350	6,411	4.4	463.9	463.9	464.8	0.9
4282	428,244	195	3,667	7.8	464.2	464.2	465.1	0.9
4288	428,759	195	3,456	8.2	465.1	465.1	465.8	0.7
4297	429,729	205	3,223	8.8	467.7	467.7	468.4	0.7
4304	430,398	198	3,371	8.4	469.5	469.5	469.9	0.4
4314	431,386	290	4,231	6.7	475.0	475.0	475.7	0.7
4322	432,165	490	10,057	2.8	490.9	490.9	491.8	0.9
4328	432,755	467	8,819	3.1	491.0	491.0	491.9	0.9
4332	433,237	351	5,759	4.7	491.1	491.1	492.0	0.9
4337	433,679	180	3,833	7.0	491.4	491.4	492.2	0.8
4342	434,165	170	3,451	7.8	491.7	491.7	492.5	0.8
4347	434,665	170	3,062	8.8	492.2	492.2	493.0	0.8
4352	435,165	170	2,833	9.5	493.1	493.1	493.7	0.6
4356	435,603	168	2,567	10.5	494.0	494.0	494.6	0.6
4360	436,032	170	2,461	10.9	495.2	495.2	495.7	0.5
4366	436,614	178	2,693	10.0	497.3	497.3	497.8	0.5
4371	437,128	170	2,652	10.1	498.5	498.5	499.2	0.7
4377	437,665	245	3,055	8.8	500.3	500.3	500.7	0.4
4381	438,097	315	3,820	7.0	501.7	501.7	502.5	0.8
4386	438,580	165	2,442	11.0	502.5	502.5	503.5	1.0
4391	439,133	165	2,623	10.3	504.7	504.7	505.4	0.7
4395	439,515	165	2,668	10.1	505.9	505.9	506.5	0.6
4400	439,983	165	2,922	9.2	507.1	507.1	507.9	0.8
4406	440,551	165	2,515	10.7	508.0	508.0	508.9	0.9

[1]Feet above mouth

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
Deep River (continued)								
4412	441,165	165	2,741	9.8	510.0	510.0	510.9	0.9
4417	441,709	158	2,775	9.6	511.5	511.5	512.2	0.7
4421	442,108	165	2,982	9.0	512.5	512.5	513.2	0.7
4428	442,844	240	3,681	7.3	514.9	514.9	515.4	0.5
4433	443,326	218	2,461	10.9	515.4	515.4	515.7	0.3
4439	443,868	195	2,372	11.3	517.8	517.8	518.8	1.0
4443	444,272	500	2,344	11.4	533.4	533.4	533.4	0.0
4448	444,821	315	2,444	10.8	539.4	539.4	539.4	0.0
4453	445,299	380	3,368	7.9	542.7	542.7	542.7	0.0
4457	445,723	320	3,159	8.4	544.2	544.2	544.2	0.0
4462	446,246	300	3,166	8.4	546.1	546.1	546.1	0.0
4467	446,727	307	3,844	6.9	547.8	547.8	547.8	0.0
4473	447,250	250	4,073	6.4	548.8	548.8	549.0	0.2
4477	447,736	290	4,721	5.5	549.4	549.4	549.8	0.4
4482	448,165	210	3,759	6.9	549.7	549.7	550.2	0.5
4487	448,665	180	3,402	7.6	550.2	550.2	550.8	0.6
4492	449,165	273	3,889	6.7	551.0	551.0	551.6	0.6
4497	449,665	274	3,988	6.5	551.7	551.7	552.4	0.7
4502	450,220	242	4,005	6.5	552.5	552.5	553.2	0.7
4507	450,748	180	2,918	8.9	553.1	553.1	553.8	0.7
4511	451,103	301	5,746	4.5	554.4	554.4	555.3	0.9
4516	451,615	307	3,758	6.9	569.7	569.7	569.9	0.2
4522	452,165	306	4,056	6.4	570.6	570.6	570.9	0.3

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

DEEP RIVER

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
Deep River (continued)								
4527	452,665	250	3,991	6.5	571.4	571.4	571.6	0.2
4532	453,165	270	4,236	6.1	572.0	572.0	572.3	0.3
4536	453,619	295	4,602	5.6	572.6	572.6	572.8	0.2
4542	454,165	265	4,486	5.8	573.0	573.0	573.4	0.4
4547	454,710	350	5,542	4.7	573.5	573.5	574.0	0.5
4552	455,165	295	5,119	5.0	573.8	573.8	574.3	0.5
4557	455,665	500	7,273	3.6	574.3	574.3	574.8	0.5
4563	456,257	360	5,650	4.6	574.6	574.6	575.1	0.5
4568	456,832	595	8,027	3.2	575.1	575.1	575.5	0.4
4574	457,409	574	7,053	3.6	575.4	575.4	575.8	0.4
4579	457,917	520	6,554	3.9	575.7	575.7	576.1	0.4
4586	458,569	470	6,480	4.0	576.2	576.2	576.6	0.4
4593	459,297	280	4,581	5.6	578.1	578.1	578.5	0.4
4599	459,859	177	3,152	8.1	578.5	578.5	579.1	0.6
4603	460,253	165	2,849	9.0	579.2	579.2	579.8	0.6
4608	460,785	150	2,677	9.6	580.2	580.2	580.9	0.7

[1]Feet above mouth

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
Hasketts Creek								
002	150	57	424	9.4	580.2	564.0[2]	565.0[2]	1.0
012	1,200	150	870	4.6	580.2	570.8[2]	570.9[2]	0.1
013	1,319	29	245	16.3	580.2	569.8[2]	569.9[2]	0.1
014	1,381	29	282	14.1	580.2	571.2[2]	571.2[2]	0.0
015	1,500	150	925	4.3	580.2	574.5[2]	574.5[2]	0.0
026	2,600	55	299	13.4	598.2	598.2	598.2	0.0
029	2,900	225	870	4.6	602.4	602.4	602.5	0.1
032	3,150	190	720	5.6	603.3	603.3	603.4	0.1
044	4,350	124	584	6.7	608.6	608.6	608.6	0.0
045	4,538	50	578	6.7	609.7	609.7	609.7	0.0
046	4,571	50	578	6.7	609.7	609.7	609.7	0.0
048	4,821	146	1,005	3.9	610.4	610.4	610.4	0.0
053	5,271	145	989	3.9	611.3	611.3	611.4	0.1
069	6,931	139	1,023	3.6	614.5	614.5	615.0	0.5
070	7,047	32	473	7.8	614.5	614.5	614.9	0.4
071	7,114	32	473	7.8	614.5	614.5	614.9	0.4
072	7,230	133	798	4.7	614.9	614.9	615.4	0.5
084	8,362	170	992	2.8	618.1	618.1	618.7	0.6
089	8,941	145	812	3.4	618.9	618.9	619.9	1.0
092	9,204	95	381	7.2	620.1	620.1	620.6	0.5
095	9,500	105	393	7.0	623.3	623.3	623.3	0.0
100	10,000	212	1,021	2.7	626.4	626.4	626.8	0.4

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Deep River

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

HASKETTS CREEK

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
Hasketts Creek (continued)								
104	10,413	120	614	4.5	627.1	627.1	628.0	0.9
110	11,000	215	1,248	2.2	629.5	629.5	630.2	0.7
115	11,500	178	948	2.8	630.2	630.2	631.2	1.0
120	12,000	123	767	3.5	631.7	631.7	632.6	0.9
125	12,508	77	495	5.4	633.2	633.2	634.2	1.0
130	13,000	80	330	8.2	636.0	636.0	636.5	0.5
136	13,618	208	1,000	2.7	639.6	639.6	640.2	0.6
150	15,000	111	919	2.9	648.4	648.4	648.9	0.5
158	15,784	160	1,181	2.3	649.4	649.4	650.2	0.8
170	16,974	250	1,309	2.1	651.1	651.1	652.0	0.9
175	17,500	164	1,030	2.6	651.9	651.9	652.9	1.0
180	18,000	230	1,030	2.1	653.1	653.1	654.0	0.9
184	18,440	235	1,160	1.8	654.1	654.1	655.0	0.9
190	18,976	153	717	2.9	655.1	655.1	656.0	0.9
195	19,500	111	667	3.2	656.5	656.5	657.5	1.0
201	20,088	117	667	3.2	658.1	658.1	659.0	0.9
206	20,603	197	1,097	1.9	659.5	659.5	660.3	0.8
210	20,998	132	911	2.3	663.6	663.6	664.4	0.8
213	21,315	154	817	2.6	664.3	664.3	665.1	0.8
216	21,607	220	1,543	1.4	665.1	665.1	666.0	0.9
219	21,909	180	1,337	1.6	666.7	666.7	667.6	0.9
222	22,158	80	646	3.3	666.9	666.9	667.9	1.0
225	22,500	163	809	2.6	668.1	668.1	669.1	1.0

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

HASKETTS CREEK

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
Hasketts Creek (continued)								
230	23,000	108	680	3.1	670.4	670.4	671.0	0.6
241	24,124	183	1,186	1.6	675.5	675.5	676.3	0.8
245	24,500	133	712	2.7	675.7	675.7	676.7	1.0
250	25,000	77	451	4.3	677.7	677.7	678.5	0.8
259	25,875	54	315	6.1	682.3	682.3	682.9	0.6
263	26,334	141	876	2.2	684.9	684.9	685.6	0.7
269	26,911	165	944	2.1	685.7	685.7	686.7	1.0
275	27,499	133	662	2.9	687.2	687.2	688.2	1.0
280	28,010	129	585	3.3	689.5	689.5	690.4	0.9
285	28,500	139	618	3.1	691.5	691.5	692.4	0.9
290	28,999	65	338	5.7	693.4	693.4	694.3	0.9
295	29,500	93	268	7.2	696.8	696.8	697.3	0.5
303	30,343	100	800	2.1	701.4	701.4	702.3	0.9
310	31,000	41	229	7.2	702.2	702.2	703.1	0.9
315	31,500	75	377	4.4	708.8	708.8	709.2	0.4
320	32,000	48	288	5.7	712.6	712.6	713.2	0.6
325	32,500	44	276	6.0	716.8	716.8	717.7	0.9
330	33,000	65	371	4.5	720.7	720.7	721.7	1.0
333	33,280	72	402	4.1	722.6	722.6	723.4	0.8
335	33,500	40	260	6.3	723.8	723.8	724.7	0.9
340	34,000	39	226	7.3	728.7	728.7	729.4	0.7
344	34,441	82	486	3.4	732.8	732.8	733.7	0.9

[1]Feet above mouth

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
Hasketts Creek Tributary 1								
002	150	112	398	2.3	652.2	649.2[2]	650.2[2]	1.0
014	1,350	100	284	3.3	656.1	656.1	656.5	0.4
030	2,950	103	382	2.4	663.1	663.1	663.7	0.6
043	4,250	40	130	6.2	669.6	669.6	669.8	0.2
Little Polecat Creek								
004	402	106	1,087	3.6	658.1	654.1[3]	655.1[3]	1.0
010	989	120	1,181	3.3	658.1	655.3[3]	656.3[3]	1.0
015	1,452	152	1,246	3.1	658.1	656.4[3]	657.3[3]	0.9
019	1,875	218	1,779	2.2	658.1	657.3[3]	658.3[3]	1.0
025	2,500	275	1,952	2.0	658.2	658.2	659.2	1.0
031	3,101	222	1,730	2.2	659.1	659.1	660.0	0.9
036	3,588	205	1,780	2.2	659.8	659.8	660.7	0.9
040	4,049	104	875	4.4	660.3	660.3	661.3	1.0
045	4,527	124	1,124	3.3	662.2	662.2	662.8	0.6
050	5,000	100	871	4.1	663.0	663.0	663.7	0.7
054	5,439	95	768	4.6	664.1	664.1	664.7	0.6
062	6,157	163	933	3.8	666.9	666.9	667.3	0.4
065	6,500	100	817	4.4	667.8	667.8	668.7	0.9
071	7,067	100	928	3.8	669.6	669.6	670.4	0.8
075	7,500	139	1,340	2.7	670.7	670.7	671.5	0.8

[1]Feet above mouth
[2]Elevation computed without consideration of backwater effects from Hasketts Creek
[3]Elevation computed without consideration of backwater effects from Polecat Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

HASKETTS CREEK TRIBUTARY 1 – LITTLE POLECAT CREEK

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
Little Polecat Creek (continued)								
080	8,000	288	2,444	1.5	671.3	671.3	672.2	0.9
085	8,498	244	2,150	1.7	671.5	671.5	672.5	1.0
089	8,876	198	1,567	2.3	671.8	671.8	672.8	1.0
096	9,552	570	3,930	0.9	672.5	672.5	673.3	0.8
101	10,097	540	3,256	1.1	672.8	672.8	673.6	0.8
107	10,722	265	1,397	2.6	673.5	673.5	674.0	0.5
117	11,704	234	1,846	1.9	676.8	676.8	677.0	0.2
120	12,005	295	2,075	1.7	677.1	677.1	677.3	0.2
125	12,500	270	1,838	1.9	677.4	677.4	677.9	0.5
129	12,899	266	1,657	2.1	677.8	677.8	678.4	0.6
135	13,548	283	1,709	1.9	678.7	678.7	679.4	0.7
140	14,000	346	2,107	1.6	679.2	679.2	680.1	0.9
145	14,473	245	1,497	2.2	679.7	679.7	680.6	0.9
159	15,856	105	814	3.1	683.5	683.5	684.3	0.8
165	16,500	117	851	3.0	684.4	684.4	685.2	0.8

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE POLECAT CREEK

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
Little Polecat Creek (continued)								
170	17,000	200	1,047	2.4	685.2	685.2	686.0	0.8
175	17,500	236	644	4.0	686.3	686.3	686.8	0.5
180	18,000	100	613	4.2	687.5	687.5	688.5	1.0
185	18,500	135	468	5.5	689.5	689.5	689.9	0.4
189	18,914	83	452	5.6	690.7	690.7	691.4	0.7
194	19,360	69	534	4.8	691.9	691.9	692.8	0.9
198	19,825	73	413	6.2	693.2	693.2	694.0	0.8
201	20,085	73	569	4.5	694.4	694.4	695.4	1.0
205	20,500	95	664	3.8	695.5	695.5	696.4	0.9
210	21,019	125	721	3.5	696.7	696.7	697.6	0.9
215	21,500	57	489	5.2	697.6	697.6	698.6	1.0
221	22,057	92	560	3.5	699.3	699.3	700.0	0.7
225	22,474	112	644	3.0	700.0	700.0	700.8	0.8
230	23,000	52	379	5.1	701.0	701.0	701.9	0.9
233	23,347	111	1,075	1.8	702.2	702.2	703.0	0.8

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE POLECAT CREEK

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
Little Polecat Creek (continued)								
239	23,934	42	269	7.2	702.2	702.2	703.1	0.9
246	24,564	37	216	4.7	706.4	706.4	706.5	0.1
250	25,000	59	198	5.2	707.6	707.6	707.6	0.0
255	25,500	45	150	6.8	710.2	710.2	710.6	0.4
260	26,000	35	108	9.4	716.9	716.9	716.9	0.0
265	26,502	32	190	5.4	721.7	721.7	721.7	0.0
270	27,000	49	121	8.5	724.3	724.3	724.3	0.0
280	27,989	34	337	3.0	737.2	737.2	737.4	0.2
285	28,500	34	232	4.4	737.3	737.3	737.9	0.6
290	29,000	34	217	4.7	738.3	738.3	738.9	0.6
294	29,410	34	157	6.5	739.5	739.5	740.3	0.8
300	30,000	115	611	1.7	746.0	746.0	746.9	0.9
305	30,500	50	245	4.2	746.4	746.4	747.4	1.0
310	31,000	49	253	4.0	748.4	748.4	749.0	0.6
318	31,811	28	87	7.5	752.3	752.3	752.7	0.4
321	32,115	294	631	1.0	767.8	767.8	767.9	0.1
325	32,500	120	343	1.9	768.3	768.3	768.4	0.1
330	32,972	110	305	2.1	769.3	769.3	769.4	0.1

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE POLECAT CREEK

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
Little Polecat Creek Tributary 1								
002	235	88	397	3.9	681.0	679.1[2]	680.1[2]	1.0
010	1,012	56	304	5.2	683.5	683.5	684.2	0.7
015	1,534	52	205	7.7	686.5	686.5	687.0	0.5
020	2,000	47	355	4.4	688.9	688.9	689.8	0.9
025	2,516	69	197	8.0	695.6	695.6	695.7	0.1
030	2,953	57	344	4.6	699.3	699.3	699.5	0.2
033	3,276	48	357	4.4	699.8	699.8	700.5	0.7
040	4,000	28	221	7.1	701.4	701.4	702.2	0.8
045	4,500	33	236	6.6	703.5	703.5	704.2	0.7
049	4,948	28	231	6.8	704.9	704.9	705.8	0.9
053	5,313	28	227	6.9	706.1	706.1	707.0	0.9
059	5,911	81	415	3.3	708.2	708.2	709.0	0.8
064	6,421	79	381	3.6	709.4	709.4	710.3	0.9
069	6,931	26	186	7.3	711.2	711.2	712.0	0.8
076	7,602	27	221	6.2	713.9	713.9	714.8	0.9
080	8,014	24	148	9.2	715.3	715.3	716.3	1.0
085	8,452	30	182	7.5	719.6	719.6	719.9	0.3
089	8,864	41	169	8.1	723.1	723.1	723.5	0.4
095	9,500	25	173	7.8	728.6	728.6	729.6	1.0
100	10,000	24	157	8.7	732.3	732.3	732.6	0.3
105	10,500	24	170	8.0	735.5	735.5	735.9	0.4

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Little Polecat Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE POLECAT CREEK TRIBUTARY 1

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
Little Polecat Creek Tributary 1 (continued)								
110	11,000	24	180	7.5	737.7	737.7	738.4	0.7
114	11,403	43	301	4.5	739.4	739.4	740.4	1.0
120	11,998	142	1,083	1.3	745.3	745.3	746.3	1.0
126	12,586	125	667	2.0	745.7	745.7	746.6	0.9
130	12,988	119	557	2.4	746.1	746.1	747.1	1.0
135	13,500	24	128	5.7	746.9	746.9	747.9	1.0
141	14,063	21	112	6.5	750.3	750.3	750.5	0.2
145	14,488	29	146	5.0	752.1	752.1	752.7	0.6
151	15,077	19	123	5.9	754.1	754.1	754.9	0.8
157	15,685	25	134	5.4	756.9	756.9	757.5	0.6
163	16,292	25	89	5.0	760.1	760.1	761.1	1.0
171	17,081	19	81	5.4	765.0	765.0	765.7	0.7
175	17,525	19	75	5.9	767.8	767.8	768.2	0.4
180	18,000	19	75	5.9	771.1	771.1	771.5	0.4
185	18,534	16	51	8.7	776.2	776.2	776.5	0.3
192	19,219	15	55	8.0	787.9	787.9	788.1	0.2

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE POLECAT CREEK TRIBUTARY 1

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
Little Polecat Creek Tributary 2								
002	201	24	106	5.4	746.0	745.9[2]	746.9[2]	1.0
011	1,092	77	277	2.1	750.8	750.8	751.8	1.0
017	1,666	19	92	6.3	753.8	753.8	754.4	0.6
022	2,181	38	158	3.6	757.9	757.9	758.9	1.0
029	2,881	18	102	5.6	762.4	762.4	763.0	0.6
034	3,448	15	44	7.3	767.3	767.3	767.7	0.4
040	3,981	22	97	3.3	771.3	771.3	771.8	0.5
046	4,591	15	39	8.3	779.2	779.2	779.3	0.1
050	4,984	15	66	4.9	783.3	783.3	784.2	0.9
055	5,500	15	41	7.9	789.1	789.1	789.2	0.1

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Little Polecat Creek Tributary 1

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE POLECAT CREEK TRIBUTARY 2

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
Little Polecat Creek Tributary 3								
004	425	26	144	7.5	698.6	697.8[2]	698.8[2]	1.0
010	1,000	26	144	7.6	703.1	703.1	703.4	0.3
015	1,500	27	116	9.4	708.1	708.1	708.6	0.5
020	2,000	27	197	5.5	712.5	712.5	712.5	0.0
025	2,500	27	145	7.5	714.2	714.2	714.5	0.3
030	3,000	26	146	7.5	718.2	718.2	718.4	0.2
033	3,326	28	152	7.1	720.7	720.7	720.8	0.1
038	3,762	55	384	2.8	727.3	727.3	728.0	0.7
043	4,337	62	216	5.0	727.9	727.9	728.9	1.0
047	4,723	121	205	5.3	731.9	731.9	731.9	0.0
050	4,973	80	453	2.4	735.6	735.6	736.5	0.9
053	5,320	56	336	2.6	736.0	736.0	737.0	1.0
059	5,921	62	154	5.7	739.0	739.0	739.2	0.2
065	6,539	55	254	3.4	743.0	743.0	744.0	1.0
070	7,000	26	160	5.5	744.6	744.6	745.5	0.9
078	7,787	27	136	4.6	748.2	748.2	748.7	0.5
080	8,000	25	120	5.2	749.0	749.0	749.5	0.5
085	8,510	22	94	6.6	752.7	752.7	753.4	0.7

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Little Polecat Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE POLECAT CREEK TRIBUTARY 3

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
Little Polecat Creek Tributary 4								
000	30	80	527	2.7	704.7	703.7[2]	704.7[2]	1.0
008	829	76	348	4.1	707.0	707.0	707.7	0.7
015	1,500	73	446	2.2	710.2	710.2	710.9	0.7
020	2,000	65	324	3.1	711.3	711.3	711.9	0.6
025	2,500	45	254	3.9	713.0	713.0	714.0	1.0
030	3,035	30	183	5.4	717.4	717.4	717.4	0.0
034	3,406	80	344	2.9	720.0	720.0	720.4	0.4
038	3,840	165	966	1.0	728.4	728.4	728.4	0.0
045	4,500	75	265	3.7	728.7	728.7	728.7	0.0
050	5,033	60	197	4.5	731.6	731.6	731.6	0.0
057	5,706	30	188	4.7	734.8	734.8	735.5	0.7
067	6,704	95	326	1.7	742.4	742.4	743.3	0.9

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Little Polecat Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE POLECAT CREEK TRIBUTARY 4

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
Little Polecat Creek Tributary 5								
001	75	14	99	8.3	709.1	707.6[2]	708.6[2]	1.0
007	728	14	98	8.3	712.7	712.7	713.3	0.6
015	1,530	14	88	9.0	719.0	719.0	719.8	0.8
019	1,887	14	93	8.5	722.5	722.5	723.1	0.6
025	2,484	14	98	8.1	727.3	727.3	727.7	0.4
030	3,017	57	445	1.8	738.5	738.5	739.1	0.6
035	3,461	40	218	3.6	739.0	739.0	739.6	0.6
039	3,931	40	163	4.9	741.6	741.6	742.3	0.7
048	4,847	37	202	3.9	746.8	746.8	747.5	0.7
055	5,500	40	201	3.1	749.6	749.6	750.3	0.7
060	6,000	12	68	9.0	752.2	752.2	752.7	0.5
064	6,440	12	85	7.2	756.8	756.8	757.1	0.3
071	7,078	20	98	4.4	760.5	760.5	761.3	0.8
075	7,456	16	80	5.5	762.8	762.8	763.4	0.6

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Little Polecat Creek Tributary 4

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE POLECAT CREEK TRIBUTARY 5

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
Little Uwharrie River								
244	24,405	375	2,361	1.4	534.3	534.3	535.1	0.8
256	25,591	124	944	3.4	535.4	535.4	536.3	0.9
270	27,005	159	902	3.6	541.6	541.6	542.5	0.9
280	28,000	259	1,140	2.8	545.0	545.0	546.0	1.0
292	29,200	123	662	4.8	550.8	550.8	551.8	1.0
328	32,800	208/0[2]	1,137	2.7	573.5	573.5	574.5	1.0
337	33,655	91	464	6.0	577.8	577.8	578.8	1.0
344	34,367	135	729	3.8	584.9	584.9	584.9	0.0
357	35,655	77	523	5.4	594.2	594.2	595.1	0.9
368	36,798	78	330	6.7	604.1	604.1	605.1	1.0
378	37,771	44	245	9.0	619.8	619.8	620.0	0.2
386	38,606	36	281	7.8	632.3	632.3	633.0	0.7
395	39,512	43	377	5.8	647.3	647.3	648.1	0.8
405	40,482	54	286	7.6	655.9	655.9	655.9	0.0
416	41,633	75	281	7.8	675.1	675.1	675.2	0.1
428	42,772	80	431	5.1	687.6	687.6	688.6	1.0
440	44,025	34	221	9.0	695.9	695.9	696.5	0.6
453	45,260	28	235	8.2	708.2	708.2	708.6	0.4
464	46,412	44	304	6.3	719.6	719.6	720.4	0.8
474	47,383	79	478	4.0	726.7	726.7	727.7	1.0

[1]Feet above mouth

[2]Width/width within county boundary

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE UWHARRIE RIVER

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
Little Uwharrie River (continued)								
485	48,461	88	383	5.0	731.1	731.1	732.1	1.0
493	49,263	52	389	4.5	739.1	739.1	739.7	0.6
504	50,412	48	317	5.5	747.6	747.6	748.5	0.9
516	51,643	57	329	5.3	757.5	757.5	758.2	0.7
531	53,095	36	270	6.4	767.4	767.4	768.3	0.9
545	54,544	49	375	4.6	775.5	775.5	776.2	0.7
558	55,775	142	287	5.2	783.5	783.5	783.6	0.1
568	56,752	77	345	4.3	789.6	789.6	790.3	0.7
579	57,878	63	282	4.7	794.6	794.6	795.4	0.8
589	58,921	498	3,385	0.4	813.5	813.5	813.6	0.1
604	60,430	178	1,093	1.1	813.5	813.5	813.6	0.1
612	61,177	75	405	2.3	813.8	813.8	814.1	0.3
625	62,533	304	1,736	0.4	829.4	829.4	829.4	0.0
638	63,795	75	447	1.7	831.9	831.9	831.9	0.0
649	64,888	36	145	5.2	836.2	836.2	836.8	0.6
663	66,326	56	106	5.4	850.0	850.0	850.4	0.4
675	67,521	28	157	3.7	862.9	862.9	863.9	1.0
685	68,453	28	83	6.9	873.1	873.1	873.2	0.1
693	69,298	54	157	3.7	890.6	890.6	891.4	0.8

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

LITTLE UWHARRIE RIVER

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
Long Branch								
003	305	43	179	5.0	508.2	507.8[2]	508.6	0.8
012	1,200	44	209	4.3	515.8	515.8	516.7	0.9
018	1,800	45	205	4.4	521.6	521.6	521.6	0.0
022	2,242	32	112	8.1	529.2	529.2	529.3	0.1
027	2,672	28	155	5.8	545.9	545.9	546.8	0.9
034	3,437	81	182	5.0	554.3	554.3	554.3	0.0
042	4,200	33	130	7.0	564.0	564.0	564.6	0.6
050	4,975	30	132	5.3	572.6	572.6	573.0	0.4
059	5,861	32	148	4.7	580.0	580.0	581.0	1.0
067	6,706	40	178	3.9	587.9	587.9	588.8	0.9
074	7,354	36	158	2.9	595.9	595.9	596.8	0.9
081	8,080	20	79	5.7	607.5	607.5	608.0	0.5
087	8,747	24	86	5.3	621.8	621.8	622.5	0.7
093	9,297	20	81	5.6	633.2	633.2	634.1	0.9
101	10,144	30	105	4.3	646.6	646.6	647.5	0.9
108	10,814	40	92	4.9	666.4	666.4	666.4	0.0

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Cedar Fork Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

LONG BRANCH

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
Mill Creek (into Deep River)								
003	278	43	617	7.3	431.4	420.2[2]	421.2[2]	1.0
013	1,300	48	648	7.0	431.4	423.0[2]	423.6[2]	0.6
015	1,540	52	488	9.3	431.4	425.5[2]	425.9[2]	0.4
021	2,116	113	817	5.5	431.4	429.3[2]	430.2[2]	0.9
025	2,500	98	758	5.3	431.4	430.9[2]	431.9[2]	1.0
033	3,267	40	410	9.9	433.7	433.7	434.7	1.0
041	4,070	65	609	6.6	438.8	438.8	439.4	0.6
045	4,500	37	376	10.7	440.2	440.2	441.2	1.0
049	4,927	37	339	11.9	444.1	444.1	444.8	0.7
053	5,306	81	648	6.2	448.3	448.3	449.2	0.9
060	5,961	91	858	4.7	451.2	451.2	452.1	0.9
069	6,884	65	722	5.6	453.3	453.3	454.3	1.0
074	7,383	101	842	4.7	454.8	454.8	455.6	0.8
081	8,094	54	622	6.4	456.2	456.2	457.2	1.0
086	8,583	78	885	4.5	457.8	457.8	458.7	0.9
094	9,373	125	865	4.6	459.5	459.5	460.5	1.0
102	10,220	167	1,106	3.6	461.3	461.3	462.3	1.0
111	11,091	49	597	6.6	463.0	463.0	463.9	0.9
116	11,628	47	500	7.9	464.5	464.5	465.2	0.7
121	12,126	57	569	7.0	466.5	466.5	466.9	0.4
127	12,721	51	605	6.5	468.3	468.3	468.5	0.2

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Deep River

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

MILL CREEK (INTO DEEP RIVER)

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
Mill Creek (into Deep River) (continued)								
131	13,127	47	410	9.6	468.9	468.9	469.4	0.5
135	13,458	47	378	10.5	471.6	471.6	471.8	0.2
141	14,060	47	515	7.7	475.7	475.7	475.8	0.1
144	14,442	53	650	6.1	476.8	476.8	477.0	0.2
152	15,186	67	624	6.3	478.2	478.2	478.5	0.3
156	15,646	54	459	8.6	479.5	479.5	479.8	0.3
161	16,083	51	421	9.4	481.9	481.9	482.2	0.3
169	16,942	58	594	6.7	485.8	485.8	486.3	0.5
173	17,332	79	765	5.2	486.8	486.8	487.4	0.6
185	18,520	104	832	3.9	490.2	490.2	490.5	0.3
193	19,320	45	466	6.9	491.8	491.8	492.1	0.3
200	19,981	45	511	6.3	492.9	492.9	493.8	0.9
206	20,619	109	700	4.6	494.6	494.6	495.4	0.8
216	21,560	59	503	6.4	497.1	497.1	498.1	1.0
224	22,415	56	562	5.6	499.8	499.8	500.7	0.9
230	23,046	43	387	8.1	501.7	501.7	502.4	0.7
235	23,500	45	421	7.5	503.7	503.7	504.5	0.8
244	24,402	47	496	6.3	506.8	506.8	507.3	0.5
254	25,428	48	451	7.0	509.6	509.6	509.9	0.3
260	26,000	50	585	5.4	511.1	511.1	511.5	0.4
265	26,500	46	463	6.8	511.8	511.8	512.3	0.5
269	26,890	48	426	7.4	512.8	512.8	513.2	0.4
276	27,562	49	449	6.6	514.8	514.8	515.2	0.4

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

MILL CREEK (INTO DEEP RIVER)

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
Mill Creek (into Deep River) (continued)								
280	28,030	83	615	4.8	516.5	516.5	516.7	0.2
288	28,775	50	499	6.0	517.7	517.7	518.0	0.3
293	29,301	47	503	5.9	518.5	518.5	518.9	0.4
300	30,000	36	304	9.8	519.7	519.7	520.0	0.3
305	30,505	47	437	6.8	522.5	522.5	522.8	0.3
309	30,911	39	433	6.9	523.5	523.5	524.0	0.5
317	31,703	54	421	7.1	525.3	525.3	526.2	0.9
321	32,065	174	1,023	2.9	526.9	526.9	527.8	0.9
326	32,635	191	935	3.2	528.0	528.0	528.8	0.8
334	33,441	137	726	4.1	530.0	530.0	531.0	1.0
340	34,000	107	798	3.7	532.4	532.4	533.1	0.7
348	34,845	213	1,301	2.1	534.0	534.0	535.0	1.0
353	35,295	182	1,092	2.3	535.1	535.1	535.7	0.6
363	36,283	262	1,595	1.6	536.5	536.5	537.2	0.7
371	37,088	211	1,026	2.5	537.1	537.1	538.1	1.0
385	38,519	284	1,539	1.7	540.3	540.3	540.6	0.3
393	39,327	368	1,682	1.5	540.8	540.8	541.7	0.9
401	40,120	376	1,343	1.9	542.1	542.1	543.0	0.9
405	40,515	174	791	3.2	543.3	543.3	544.0	0.7
416	41,563	136	747	2.5	546.0	546.0	547.0	1.0
424	42,397	34	264	5.0	547.5	547.5	548.4	0.9
428	42,802	30	202	6.6	548.8	548.8	549.4	0.6

[1]Feet above mouth

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
Mill Creek (into Deep River) (continued)								
431	43,058	71	338	3.9	552.0	552.0	552.1	0.1
436	43,564	32	248	5.3	553.3	553.3	553.5	0.2
443	44,318	37	206	6.4	555.4	555.4	556.0	0.6
449	44,888	41	225	5.9	558.9	558.9	559.1	0.2
456	45,570	87	436	3.0	561.5	561.5	562.3	0.8
463	46,343	70	335	4.0	563.9	563.9	564.8	0.9
472	47,232	109	483	2.7	568.0	568.0	568.6	0.6
481	48,140	101	371	3.6	571.3	571.3	572.3	1.0

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

MILL CREEK (INTO DEEP RIVER)

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
Muddy Creek								
418	41,809	76	938	4.4	698.1	698.1	699.1	1.0
424	42,363	70	757	5.4	699.0	699.0	700.0	1.0
430	43,044	69	713	5.8	700.8	700.8	701.7	0.9
434	43,440	118	1,027	4.0	702.1	702.1	703.0	0.9
439	43,913	198	1,485	2.8	703.4	703.4	704.2	0.8
444	44,419	155	1,254	3.1	704.1	704.1	705.1	1.0
449	44,911	157	1,244	3.2	705.0	705.0	706.0	1.0
454	45,429	107	1,081	3.7	710.1	710.1	710.5	0.4
460	46,005	124	1,170	3.4	710.8	710.8	711.2	0.4
466	46,630	119	1,016	3.9	711.7	711.7	712.0	0.3
470	47,005	103	761	5.2	711.8	711.8	712.6	0.8
472	47,237	96	768	5.1	712.4	712.4	713.4	1.0
477	47,658	93	744	5.3	713.8	713.8	714.7	0.9
480	48,005	91	785	5.0	714.9	714.9	715.7	0.8
486	48,622	104	858	4.6	716.8	716.8	717.3	0.5
490	49,050	123	1,169	3.4	717.6	717.6	718.3	0.7
496	49,632	156	1,415	2.8	719.6	719.6	720.6	1.0
504	50,391	168	1,700	2.2	720.6	720.6	721.5	0.9
508	50,849	178	1,461	2.6	721.0	721.0	721.9	0.9
511	51,105	210	1,740	2.2	721.3	721.3	722.3	1.0
515	51,505	229	1,923	1.9	721.7	721.7	722.7	1.0
518	51,825	233	1,832	2.0	722.0	722.0	723.0	1.0
522	52,201	140	1,093	2.5	722.7	722.7	723.7	1.0
528	52,777	125	958	2.9	723.4	723.4	724.3	0.9

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

MUDDY CREEK

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
Muddy Creek (continued)								
535	53,496	95	644	4.3	724.2	724.2	725.2	1.0
542	54,162	85	633	4.4	725.9	725.9	726.5	0.6
547	54,650	40	358	7.7	726.7	726.7	727.5	0.8
553	55,284	35	300	9.2	729.8	729.8	730.2	0.4
559	55,945	33	300	9.2	733.2	733.2	733.9	0.7
563	56,326	32	242	11.4	735.4	735.4	736.0	0.6
565	56,474	32	242	11.4	736.6	736.6	737.5	0.9
567	56,664	87	645	4.3	739.4	739.4	740.1	0.7
570	57,016	137	951	2.9	740.4	740.4	741.3	0.9
578	57,823	149	903	3.0	742.2	742.2	742.9	0.7
584	58,375	161	817	3.4	743.4	743.4	744.1	0.7
587	58,669	89	728	3.8	744.5	744.5	745.4	0.9
590	59,005	233	1,959	1.4	747.5	747.5	748.4	0.9
594	59,364	207	1,617	1.7	747.7	747.7	748.6	0.9
600	60,046	236	1,435	1.8	748.3	748.3	749.3	1.0
603	60,330	134	760	3.3	748.6	748.6	749.5	0.9
610	60,965	98	639	4.0	750.7	750.7	751.7	1.0
618	61,835	105	742	3.4	753.2	753.2	753.9	0.7
630	63,031	114	881	2.9	755.6	755.6	756.5	0.9
634	63,432	124	862	2.9	759.0	759.0	759.0	0.0
641	64,063	80	752	3.4	759.5	759.5	759.8	0.3
647	64,670	133	853	3.0	759.8	759.8	760.3	0.5
649	64,866	160	818	2.6	760.0	760.0	760.5	0.5

[1]Feet above mouth

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
Muddy Creek (continued)								
655	65,500	75	539	4.0	760.5	760.5	761.0	0.5
664	66,397	96	536	4.0	761.7	761.7	762.1	0.4
670	67,000	111	380	5.7	768.4	768.4	768.4	0.0
675	67,500	70	651	3.3	772.2	772.2	772.5	0.3
678	67,810	93	857	2.5	772.7	772.7	773.4	0.7
680	68,000	149	1,184	1.8	772.8	772.8	773.7	0.9
684	68,409	206	1,337	1.6	773.3	773.3	774.2	0.9
690	69,000	216	1,309	1.7	773.7	773.7	774.7	1.0
694	69,373	119	657	3.3	773.9	773.9	774.9	1.0
703	70,291	209	1,404	1.5	780.8	780.8	780.9	0.1
716	71,627	66	360	6.0	782.1	782.1	782.5	0.4
720	71,970	84	621	3.5	785.2	785.2	785.9	0.7
730	73,000	186	821	1.5	787.1	787.1	788.1	1.0
735	73,500	131	412	3.0	788.6	788.6	789.3	0.7
740	74,000	134	500	2.4	791.5	791.5	792.4	0.9
745	74,549	144	746	1.6	795.2	795.2	796.2	1.0
754	75,395	99	280	4.4	798.7	798.7	798.9	0.2
760	75,995	129	516	2.4	802.5	802.5	803.5	1.0
766	76,564	86	361	3.4	804.7	804.7	805.5	0.8
769	76,928	43	281	4.4	807.4	807.4	808.2	0.8
775	77,495	42	264	4.6	808.9	808.9	809.8	0.9
780	77,995	25	146	8.4	810.6	810.6	811.5	0.9
784	78,409	93	422	2.9	814.7	814.7	815.5	0.8
789	78,909	56	281	3.0	817.8	817.8	818.7	0.9

[1]Feet above mouth

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
Muddy Creek (continued)								
795	79,450	28	166	5.1	819.2	819.2	820.1	0.9
800	80,004	24	85	9.9	825.8	825.8	825.8	0.0
807	80,677	52	270	3.1	830.4	830.4	831.4	1.0
812	81,152	42	112	7.5	834.1	834.1	834.3	0.2
816	81,639	80	267	3.2	838.9	838.9	839.6	0.7
823	82,337	25	109	7.7	845.5	845.5	846.3	0.8
Muddy Creek East Tributary								
002	163	55	308	7.0	722.3	717.4[2]	718.4[2]	1.0
005	500	55	358	6.0	722.3	719.7[2]	720.2[2]	0.5
010	1,013	65	427	5.1	722.3	721.5[2]	721.8[2]	0.3
014	1,417	54	347	6.2	722.3	721.9[2]	722.8[2]	0.9
020	2,040	56	414	5.2	724.7	724.7	725.0	0.3
025	2,479	48	227	9.5	725.5	725.5	726.1	0.6
027	2,691	73	554	3.9	727.6	727.6	728.1	0.5
030	3,000	92	569	3.8	728.1	728.1	728.7	0.6
035	3,500	39	274	7.9	729.1	729.1	729.8	0.7
039	3,941	49	285	7.6	731.8	731.8	732.0	0.2
045	4,515	72	422	5.1	736.0	736.0	736.7	0.7
049	4,945	42	328	6.6	737.4	737.4	738.2	0.8
054	5,373	172	856	2.5	739.0	739.0	740.0	1.0
058	5,780	111	541	4.0	740.1	740.1	740.9	0.8
061	6,066	135	800	2.7	741.1	741.1	742.1	1.0

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Muddy Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

MUDDY CREEK – MUDDY CREEK EAST TRIBUTARY

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
Muddy Creek East Tributary (continued)								
068	6,815	60	374	5.1	742.5	742.5	743.4	0.9
075	7,536	133	1,378	1.4	750.7	750.7	751.7	0.9
082	8,185	227	2,150	0.9	750.9	750.9	751.8	0.9
085	8,500	254	2,033	0.9	750.9	750.9	751.9	1.0
090	9,000	168	1,037	1.8	751.1	751.1	752.0	0.9
095	9,534	40	287	6.7	751.3	751.3	752.3	1.0
099	9,903	60	444	3.9	753.1	753.1	753.8	0.7
103	10,315	50	299	5.8	753.6	753.6	754.6	1.0
109	10,912	100	1,315	1.0	766.5	766.5	766.5	0.0
114	11,383	100	892	1.4	766.5	766.5	766.6	0.1
119	11,884	31	253	5.0	766.5	766.5	766.7	0.2
130	13,042	133	1,994	0.6	778.9	778.9	779.0	0.1
140	14,000	155	1,428	0.9	778.9	778.9	779.1	0.2
145	14,500	153	1,169	1.1	779.0	779.0	779.2	0.2
149	14,889	116	542	2.3	779.1	779.1	779.3	0.2
152	15,190	103	453	2.8	779.6	779.6	779.9	0.3
158	15,778	37	199	6.4	785.2	785.2	786.2	1.0
163	16,301	37	160	7.9	790.0	790.0	790.3	0.3
167	16,748	45	232	5.5	793.1	793.1	794.1	1.0
174	17,401	72	353	3.6	800.4	800.4	801.1	0.7
181	18,050	42	176	4.6	803.0	803.0	803.8	0.8
184	18,448	32	128	6.3	805.5	805.5	806.4	0.9
190	19,031	127	804	1.0	813.8	813.8	814.6	0.8

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

MUDDY CREEK EAST TRIBUTARY

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
Muddy Creek West Tributary								
001	57	70	316	3.7	786.0	782.3[2]	783.3[2]	1.0
002	192	31	226	5.1	786.1	786.1	787.0	0.9
007	678	30	130	8.9	788.4	788.4	788.6	0.2
011	1,103	50	329	3.5	791.4	791.4	792.0	0.6
015	1,500	40	283	4.1	791.8	791.8	792.8	1.0
020	2,000	40	195	6.0	793.3	793.3	794.1	0.8
025	2,500	40	175	6.6	797.3	797.3	797.4	0.1
030	3,000	60	173	6.7	802.0	802.0	802.1	0.1
035	3,500	60	279	4.2	805.5	805.5	806.3	0.8
042	4,170	63	152	7.6	811.5	811.5	811.5	0.0
045	4,507	66	359	3.2	817.3	817.3	817.3	0.0
048	4,762	170	378	3.1	818.0	818.0	818.0	0.0
052	5,160	90	584	2.0	822.0	822.0	822.8	0.8
054	5,370	85	522	2.2	822.2	822.2	823.1	0.9
058	5,840	80	264	4.4	823.1	823.2	824.0	0.8
061	6,125	95	282	4.1	826.6	826.5	826.7	0.2
064	6,390	90	216	5.4	829.3	829.3	829.8	0.5
066	6,641	40	191	6.1	833.2	833.2	833.8	0.6
070	6,972	35	156	7.4	836.3	836.3	836.7	0.4
073	7,328	40	244	4.8	842.4	842.4	843.2	0.8

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Muddy Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

MUDDY CREEK WEST TRIBUTARY

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
Penwood Branch								
000	40	125	446	5.2	615.6	613.5[2]	613.5[2]	0.0
015	1,540	204	602	3.8	622.7	622.7	623.5	0.8
036	3,640	200	816	2.8	634.6	634.6	635.0	0.4
038	3,816	124	638	3.6	636.4	636.4	636.8	0.4
057	5,733	31	281	7.1	646.7	646.7	647.1	0.4
058	5,817	146	564	3.5	647.2	647.2	647.5	0.3
063	6,292	140	575	3.1	649.1	649.1	649.8	0.7
078	7,842	150	547	3.2	656.6	656.6	657.2	0.6
098	9,792	153	535	3.3	668.4	668.4	668.6	0.2
105	10,517	200	713	2.5	672.0	672.0	672.6	0.6
106	10,603	21	181	9.7	672.0	672.0	672.3	0.3
122	12,218	178	657	2.7	680.1	680.1	680.8	0.7
129	12,868	160	582	3.0	683.3	683.3	684.0	0.7
130	13,037	12	104	16.9	689.3	689.3	689.5	0.2
131	13,099	12	92	19.2	689.9	689.9	689.9	0.0
132	13,168	115	1,562	1.1	696.1	696.1	696.1	0.0
142	14,218	100	862	2.0	696.2	696.2	696.6	0.4
153	15,318	138	1,063	1.7	696.5	696.5	697.5	1.0
183	18,318	129	349	3.5	711.0	711.0	711.6	0.6
185	18,493	133	321	3.4	712.3	712.3	712.9	0.6
189	18,913	145	278	3.9	719.2	719.2	719.3	0.1

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Hasketts Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

PENWOOD BRANCH

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
Penwood Branch (continued)								
192	19,163	100	225	4.8	723.1	723.1	723.1	0.0
194	19,393	66	182	5.9	726.2	726.2	726.2	0.0
196	19,593	94	189	5.7	729.9	729.9	729.9	0.0
205	20,543	74	285	3.8	739.4	739.4	740.0	0.6
216	21,643	56	195	5.0	746.5	746.5	746.8	0.3
Penwood Branch Tributary								
000	30	50	103	4.3	714.6	714.6	715.2	0.6
025	2,530	48	117	3.7	758.0	758.0	758.2	0.2
030	3,030	40	41	4.3	769.3	769.3	769.3	0.0

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

PENWOOD BRANCH – PENWOOD BRANCH TRIBUTARY

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
Polecat Creek								
003	314	118	1,341	6.7	598.5	584.1[2]	585.1[2]	1.0
008	789	124	1,334	6.8	598.5	585.4[2]	586.1[2]	0.7
015	1,500	116	1,271	7.1	598.5	587.2[2]	587.7[2]	0.5
020	2,000	94	1,073	8.4	598.5	588.5[2]	588.8[2]	0.3
025	2,500	116	1,296	7.0	598.5	590.4[2]	590.6[2]	0.2
032	3,160	88	1,158	7.8	598.5	591.8[2]	592.0[2]	0.2
040	3,966	96	1,244	7.2	598.5	593.6[2]	593.8[2]	0.2
044	4,424	89	1,265	7.1	598.5	594.6[2]	594.8[2]	0.2
049	4,947	88	1,125	7.9	598.5	596.3[2]	596.5[2]	0.2
055	5,450	133	2,408	3.7	620.3	620.3	620.4	0.1
060	6,000	106	1,984	4.5	620.5	620.5	620.7	0.2
065	6,533	97	1,843	4.8	620.7	620.7	620.9	0.2
072	7,209	88	1,665	5.4	621.0	621.0	621.3	0.3
079	7,854	89	1,445	6.2	621.3	621.3	621.6	0.3
084	8,413	89	1,422	6.3	621.8	621.8	622.2	0.4
088	8,831	81	1,328	6.7	622.1	622.1	622.6	0.5
094	9,438	82	1,307	6.8	622.7	622.7	623.3	0.6
098	9,847	82	1,308	6.8	623.4	623.4	623.8	0.4
105	10,500	92	1,366	6.5	624.0	624.0	624.6	0.6
111	11,069	81	1,267	7.0	624.6	624.6	625.2	0.6
114	11,432	81	1,258	7.1	625.1	625.1	625.7	0.6
117	11,656	78	1,234	7.2	625.8	625.8	626.2	0.4
126	12,588	79	1,068	8.3	626.9	626.9	627.6	0.7

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Deep River

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

POLECAT CREEK

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
Polecat Creek (continued)								
130	13,047	69	978	8.9	627.9	627.9	628.4	0.5
135	13,500	75	1,085	8.0	629.1	629.1	629.5	0.4
143	14,322	98	1,165	7.5	630.7	630.7	631.7	1.0
147	14,713	145	1,588	5.5	642.1	642.1	642.3	0.2
152	15,165	88	1,184	7.4	642.6	642.6	642.9	0.3
159	15,932	99	1,268	6.9	643.7	643.7	644.2	0.5
168	16,761	88	1,209	7.2	644.8	644.8	645.4	0.6
175	17,545	82	1,135	7.7	645.9	645.9	646.6	0.7
180	18,021	92	1,211	7.2	646.8	646.8	647.5	0.7
188	18,826	81	1,139	7.6	647.9	647.9	648.8	0.9
199	19,850	83	1,168	7.5	649.9	649.9	650.6	0.7
200	20,024	61	983	8.9	650.4	650.4	651.2	0.8
210	20,963	108	1,539	5.7	652.2	652.2	653.2	1.0
216	21,582	235	2,748	3.2	653.3	653.3	654.2	0.9
222	22,217	236	2,893	3.0	653.8	653.8	654.6	0.8
227	22,738	139	1,819	4.8	653.9	653.9	654.9	1.0
232	23,226	198	2,100	4.1	654.8	654.8	655.6	0.8
239	23,920	176	1,932	4.5	655.7	655.7	656.6	0.9
246	24,588	160	1,983	4.4	656.8	656.8	657.6	0.8
253	25,263	155	2,098	4.1	657.6	657.6	658.5	0.9
257	25,654	159	2,275	3.8	658.0	658.0	659.0	1.0
263	26,253	77	1,286	6.1	658.5	658.5	659.5	1.0
268	26,813	80	1,400	5.6	659.3	659.3	660.3	1.0
275	27,519	75	1,330	5.9	660.1	660.1	661.1	1.0

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

POLECAT CREEK

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
Polecat Creek (continued)								
280	28,000	96	1,521	5.1	660.7	660.7	661.7	1.0
284	28,413	104	1,680	4.6	661.4	661.4	662.4	1.0
292	29,160	142	2,239	3.5	662.4	662.4	663.4	1.0
296	29,550	137	2,308	3.4	662.9	662.9	663.9	1.0
307	30,683	341	4,377	1.8	663.9	663.9	664.9	1.0
315	31,500	198	2,538	3.0	664.2	664.2	665.2	1.0
321	32,062	169	2,443	3.1	664.7	664.7	665.7	1.0
325	32,450	157	2,417	3.2	665.0	665.0	665.9	0.9
329	32,860	125	1,779	4.3	665.3	665.3	666.2	0.9
335	33,500	190	2,570	3.0	666.0	666.0	667.0	1.0
339	33,852	211	2,746	2.8	666.4	666.4	667.2	0.8
346	34,641	173	2,531	3.0	666.8	666.8	667.8	1.0
350	35,000	127	1,827	4.2	667.0	667.0	668.0	1.0
355	35,535	161	2,424	3.2	667.7	667.7	668.6	0.9
359	35,873	189	2,799	2.7	668.0	668.0	668.9	0.9
365	36,502	334	4,637	1.7	668.4	668.4	669.4	1.0
370	37,000	398	5,378	1.4	668.6	668.6	669.6	1.0
381	38,124	443	5,063	1.5	669.0	669.0	669.9	0.9
398	39,814	497	6,646	1.2	670.3	670.3	671.0	0.7
405	40,504	474	5,179	1.5	670.3	670.3	671.1	0.8
409	40,880	407	4,577	1.7	670.4	670.4	671.3	0.9
418	41,812	497	5,765	1.3	670.7	670.7	671.6	0.9

[1]Feet above mouth

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
Polecat Creek (continued)								
429	42,856	457	4,467	1.6	671.0	671.0	672.0	1.0
434	43,394	140	1,558	4.5	671.2	671.2	672.1	0.9
440	43,979	453	4,451	1.6	672.5	672.5	673.5	1.0
447	44,651	174	1,774	3.9	672.8	672.8	673.8	1.0
454	45,422	228	2,344	3.0	674.4	674.4	675.4	1.0
461	46,120	366	3,611	1.9	675.6	675.6	676.4	0.8
465	46,500	260	2,783	2.5	675.8	675.8	676.7	0.9
474	47,373	247	2,293	3.0	677.0	677.0	677.8	0.8
479	47,924	397	4,012	1.7	677.8	677.8	678.7	0.9
487	48,717	578	5,363	1.3	678.3	678.3	679.3	1.0
503	50,337	398	3,464	2.0	680.0	680.0	680.9	0.9
510	51,006	227	1,869	3.6	680.3	680.3	681.2	0.9
514	51,368	98	1,057	6.4	682.3	682.3	682.4	0.1
521	52,076	110	1,107	6.1	684.8	684.8	685.3	0.5
528	52,825	84	993	6.8	687.0	687.0	687.7	0.7
536	53,615	137	1,446	4.7	689.3	689.3	690.1	0.8
544	54,374	274	2,630	2.6	691.0	691.0	692.0	1.0
550	55,000	101	1,152	5.9	691.8	691.8	692.6	0.8
554	55,446	234	2,149	3.2	693.6	693.6	694.5	0.9
560	56,000	153	1,747	3.9	694.6	694.6	695.5	0.9
567	56,693	311	3,316	2.0	695.8	695.8	696.7	0.9
571	57,084	369	3,370	2.0	696.1	696.1	697.0	0.9
576	57,643	225	2,306	2.9	696.6	696.6	697.6	1.0
582	58,172	151	1,764	3.7	697.4	697.4	698.3	0.9

[1]Feet above mouth

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
Polecat Creek (continued)								
589	58,921	185	2,095	3.2	698.7	698.7	699.7	1.0
597	59,713	159	1,632	4.0	700.1	700.1	701.1	1.0
601	60,083	132	1,524	4.3	700.9	700.9	701.9	1.0
609	60,897	125	1,451	4.5	702.3	702.3	703.3	1.0
Polecat Creek Tributary 4								
003	315	284	1,143	2.4	670.9	663.7[2]	664.7[2]	1.0
010	1,000	404	1,751	1.6	670.9	665.0[2]	666.0[2]	1.0
015	1,500	479	1,830	1.5	670.9	665.6[2]	666.6[2]	1.0
019	1,891	471	1,699	1.6	670.9	666.2[2]	667.2[2]	1.0
024	2,403	168	1,027	2.6	670.9	667.2[2]	668.1[2]	0.9
030	2,983	99	501	5.4	670.9	668.7[2]	669.5[2]	0.8
035	3,500	135	898	3.0	671.3	671.3	672.3	1.0
040	4,000	237	1,323	1.9	672.6	672.6	673.5	0.9
045	4,500	300	1,461	1.7	673.2	673.2	674.2	1.0
050	5,000	251	1,211	2.1	673.9	673.9	674.9	1.0
055	5,522	116	694	3.7	674.9	674.9	675.8	0.9
060	5,979	88	513	5.0	676.1	676.1	677.0	0.9
065	6,500	62	537	4.7	678.0	678.0	678.8	0.8
070	6,951	134	743	3.4	679.4	679.4	680.2	0.8
075	7,547	88	640	4.0	680.8	680.8	681.7	0.9
080	7,982	49	468	5.4	681.8	681.8	682.7	0.9

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Polecat Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

POLECAT CREEK – POLECAT CREEK TRIBUTARY 4

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
Polecat Creek Tributary 5								
007	679	24	166	6.0	683.1	683.0[2]	684.0[2]	1.0
013	1,280	24	148	6.7	686.5	686.5	686.9	0.4
019	1,931	24	144	6.9	690.8	690.8	691.0	0.2
022	2,247	145	1,065	0.9	700.5	700.4	700.4	0.0
028	2,782	162	702	1.4	702.5	702.5	703.5	1.0
032	3,235	120	541	1.8	703.4	703.4	704.3	0.9
037	3,717	100	339	2.9	704.9	704.9	705.7	0.8
041	4,129	85	300	3.3	707.2	707.2	708.2	1.0
046	4,606	85	346	2.5	709.8	709.8	710.7	0.9
Polecat Creek Tributary 6								
002	201	18	108	6.7	679.3	671.0[3]	672.0[3]	1.0
009	850	18	82	8.9	679.3	676.7[3]	676.8[3]	0.1
013	1,262	18	91	8.0	681.0	681.0	681.5	0.5
021	2,050	18	74	9.9	690.7	690.7	690.8	0.1
025	2,500	18	83	8.7	697.2	697.2	697.6	0.4
031	3,051	33	122	5.9	702.2	702.2	702.2	0.0
036	3,575	63	118	6.2	708.0	708.0	708.0	0.0
040	4,000	23	104	7.0	712.6	712.6	712.6	0.0
044	4,408	26	110	6.6	715.9	715.9	716.0	0.1
050	4,958	18	114	6.4	720.9	720.9	721.2	0.3
055	5,500	42	118	6.2	727.8	727.8	727.9	0.1
062	6,161	17	89	4.6	733.4	733.4	734.4	1.0
067	6,677	15	57	7.1	736.4	736.4	736.7	0.3

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Polecat Creek Tributary 4

[3]Elevation computed without consideration of backwater effects from Polecat Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

POLECAT CREEK TRIBUTARY 5 – POLECAT CREEK TRIBUTARY 6

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
Polecat Creek Tributary 7								
002	231	12	91	7.7	695.5	685.3[2]	686.3[2]	1.0
008	779	21	83	8.4	695.5	689.5[2]	689.6[2]	0.1
014	1,384	34	144	4.8	695.5	693.9[2]	694.0[2]	0.1
020	1,965	26	124	5.6	696.7	696.7	697.2	0.5
024	2,377	32	107	6.5	701.9	701.9	702.5	0.6
030	3,044	38	185	3.8	707.9	707.9	708.9	1.0
036	3,609	50	142	4.9	712.3	712.3	712.3	0.0
042	4,167	55	193	2.1	715.9	715.9	716.9	1.0

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Polecat Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

POLECAT CREEK TRIBUTARY 7

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
Richland Creek								
529	52,922	184	1,509	5.8	489.1	489.1	489.5	0.4
533	53,322	215	1,948	4.5	490.6	490.6	491.0	0.4
544	54,372	214	2,062	4.2	492.0	492.0	492.9	0.9
555	55,472	209	1,810	4.8	493.7	493.7	494.5	0.8
563	56,272	204	1,666	5.3	495.5	495.5	496.1	0.6
569	56,922	110	1,545	5.7	497.0	497.0	497.5	0.5
576	57,622	107	1,169	7.5	498.0	498.0	498.5	0.5
587	58,722	113	1,594	5.5	500.9	500.9	501.4	0.5
606	60,622	115	1,622	5.2	503.4	503.4	504.0	0.6
610	61,022	150	1,771	4.8	504.0	504.0	504.6	0.6
621	62,122	200	2,518	3.4	505.8	505.8	506.3	0.5
642	64,172	55	830	10.2	507.9	507.9	508.2	0.3
662	66,186	80	587	13.6	524.5	524.5	524.5	0.0
692	69,186	153	1,255	6.4	541.6	541.6	541.6	0.0
719	71,886	164	1,683	4.7	547.1	547.1	547.2	0.1
730	73,036	179	1,274	5.1	550.5	550.5	551.1	0.6
735	73,486	245	1,056	6.2	553.4	553.4	553.9	0.5
736	73,595	82	475	13.8	553.7	553.7	553.7	0.0
737	73,706	150	1,058	6.2	556.3	556.3	556.3	0.0

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

RICHLAND CREEK

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
Taylors Creek								
008	812	88	964	3.3	413.5	408.7[2]	409.7	1.0
016	1,600	138	982	3.3	413.5	410.2[2]	411.0	0.8
025	2,464	83	636	5.0	413.5	411.5[2]	412.5	1.0
032	3,237	55	498	6.4	413.9	413.9	414.7	0.8
040	4,000	42	406	7.9	417.6	417.6	418.1	0.5
048	4,784	84	652	4.9	420.4	420.4	421.4	1.0
055	5,457	78	736	4.2	423.4	423.4	424.4	1.0
063	6,305	52	333	9.3	430.7	430.7	431.7	1.0
069	6,906	33	226	13.8	457.5	457.5	457.6	0.1
075	7,539	145	614	5.1	470.1	470.1	470.2	0.1
084	8,400	400	1,750	1.7	471.8	471.8	472.7	0.9
097	9,657	114	558	5.3	473.9	473.9	474.7	0.8
108	10,772	50	421	7.0	477.6	477.6	478.4	0.8
120	12,000	290	1,435	1.9	482.7	482.7	483.6	0.9
129	12,866	168	818	3.3	484.0	484.0	485.0	1.0
136	13,600	88	526	5.1	485.7	485.7	486.7	1.0
144	14,400	138	1,117	2.4	488.3	488.3	489.1	0.8
152	15,200	266	1,557	1.7	489.1	489.1	490.0	0.9
161	16,098	149	702	3.8	490.1	490.1	491.0	1.0
172	17,164	74	654	4.0	492.9	492.9	493.7	0.8

[1]Feet above mouth

[2]Elevation computed without consideration of backwater effects from Caraway Creek

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

TAYLORS CREEK

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
Taylors Creek (continued)								
185	18,520	433	1,781	1.5	495.1	495.1	496.0	0.9
195	19,459	300	1,147	2.1	495.7	495.7	496.6	0.9
202	20,243	204	875	2.8	496.9	496.9	497.9	1.0
212	21,182	134	732	3.3	498.7	498.7	499.7	1.0
227	22,725	74	536	4.5	502.5	502.5	503.2	0.7
236	23,624	43	220	11.0	504.8	504.8	505.4	0.6
245	24,521	48	256	9.4	509.7	509.7	509.9	0.2
252	25,220	48	356	6.5	520.9	520.9	521.2	0.3
264	26,415	77	399	5.8	528.4	528.4	529.1	0.7
272	27,209	54	341	6.2	538.2	538.2	539.2	1.0
278	27,758	55	442	4.8	543.4	543.4	544.4	1.0

[1]Feet above mouth

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
Uwharrie River								
2882	288,183	52	625.1	7.2	578.4	578.4	578.8	0.4
2895	289,500	56	508.8	7.8	583.6	583.6	583.8	0.2
2910	291,000	64	580.3	6.8	594.5	594.5	595.1	0.6
2926	292,609	62	701.0	5.6	599.8	599.8	600.3	0.5
2939	293,924	52	449.0	8.6	604.1	604.1	604.8	0.7
2950	295,043	70	625.0	6.2	609.7	609.7	610.2	0.5
2964	296,420	90	725.5	5.4	616.4	616.4	617.3	0.9
2981	298,099	56	459.0	8.0	621.8	621.8	622.5	0.7
2997	299,685	70	588.4	6.3	626.8	626.8	627.7	0.9
3010	301,000	68	536.6	6.7	631.6	631.6	631.9	0.3
3025	302,500	61	487.1	7.3	637.8	637.8	637.9	0.1
3041	304,108	64	490.3	6.8	645.8	645.8	645.8	0.0
3055	305,485	34	326.5	10.1	653.0	653.0	653.2	0.2
3065	306,500	56	541.4	6.1	657.7	657.7	658.5	0.8
3081	308,061	56	435.3	7.3	664.8	664.8	665.3	0.5
3096	309,644	64	494.2	4.9	674.6	674.6	674.8	0.2
3111	311,137	102	809.7	3.0	678.7	678.7	679.4	0.7
3130	313,000	141	1026.7	2.2	682.9	682.9	683.9	1.0
3145	314,500	139	1038.9	1.9	686.4	686.4	687.2	0.8
3156	315,550	60	343.4	5.8	688.2	688.2	688.8	0.6

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

UWHARRIE RIVER

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
Uwharrie River (continued)								
3170	317,027	156	1074.0	1.9	693.6	693.6	694.2	0.6
3187	318,687	85	240.0	4.5	695.7	695.7	696.7	1.0
3199	319,857	28	181.7	6.0	702.3	702.3	703.0	0.7
3210	321,025	40	247.0	4.4	707.3	707.3	708.0	0.7
3223	322,302	34	146.2	7.5	714.8	714.8	714.9	0.1

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

UWHARRIE RIVER

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
Uwharrie River Tributary 10								
001	138	32	248	6.7	668.1	667.4[2]	668.1	0.7
009	861	50	294	5.7	676.4	676.4	676.5	0.1
018	1,824	42	236	7.0	680.5	680.5	681.1	0.6
027	2,700	45	236	7.0	688.1	688.1	688.5	0.4
040	4,015	26	103	11.9	696.2	696.2	696.3	0.1
046	4,597	49	370	3.3	702.8	702.8	703.1	0.3
053	5,319	56	459	2.7	706.0	706.0	706.9	0.9
062	6,240	103	589	2.1	708.2	708.2	709.1	0.9
072	7,218	72	274	4.5	709.7	709.7	710.7	1.0
081	8,139	38	171	6.7	714.6	714.6	714.8	0.2
087	8,682	50	234	4.2	717.7	717.7	718.2	0.5
095	9,501	80	202	4.9	722.3	722.3	722.7	0.4

[1]Feet above mouth

[2]Elevations computed without consideration of backwater effects from Uwharrie River

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

UWHARRIE RIVER TRIBUTARY 10

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
Uwharrie River Tributary 11								
004	390	91	290	4.0	694.1	693.3[2]	693.9	0.6
014	1,385	28	215	5.4	698.5	698.5	699.3	0.8
028	2,785	25	161	7.2	706.5	706.5	706.5	0.0
040	4,000	64	601	1.8	721.8	721.8	722.6	0.8
051	5,070	47	196	5.6	725.3	725.3	725.5	0.2
061	6,056	36	160	6.4	738.0	738.0	738.9	0.9
070	6,973	77	295	3.5	746.2	746.2	747.1	0.9

[1]Feet above mouth

[1]Elevations computed without consideration of backwater effects from Uwharrie River

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

UWHARRIE RIVER TRIBUTARY 11

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
Vestal Creek								
154	15,401	76	343	4.3	650.9	650.9	651.7	0.8
155	15,542	126	566	2.6	651.5	651.5	652.4	0.9
157	15,701	110	419	3.5	653.0	653.0	653.4	0.4
171	17,101	110	456	3.2	663.6	663.6	664.0	0.4
174	17,401	110	425	3.4	665.8	665.8	666.2	0.4
175	17,538	38	137	10.7	667.9	667.9	667.9	0.0
183	18,301	92	246	5.5	680.6	680.6	680.6	0.0
186	18,626	90	254	3.8	686.6	686.6	686.8	0.2
198	19,826	68	306	3.1	694.7	694.7	695.6	0.9
213	21,301	92	322	3.0	703.6	703.6	704.6	1.0
232	23,201	78	237	3.5	718.7	718.7	718.9	0.2
239	23,901	73	264	3.2	723.7	723.7	723.8	0.1

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

VESTAL CREEK

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
Vestal Creek Tributary 1								
002	180	71	236	3.4	687.4	687.4	688.0	0.6
005	530	93	335	2.4	689.1	689.1	690.0	0.9
019	1,905	100	200	3.3	704.4	704.4	704.5	0.1
020	2,000	100	661	1.0	710.2	710.2	710.2	0.0
021	2,065	100	436	1.5	710.2	710.2	710.4	0.2
025	2,490	100	186	3.5	713.2	713.2	713.4	0.2
032	3,240	100	158	4.1	731.1	731.1	731.1	0.0
038	3,757	90	189	3.5	744.7	744.7	744.7	0.0
039	3,865	150	1,975	0.3	757.3	757.3	757.4	0.1
044	4,365	54	110	5.2	768.2	768.2	768.2	0.0
057	5,665	79	111	3.1	805.2	805.2	805.2	0.0
064	6,365	27	69	3.3	814.3	814.3	814.3	0.0
Vestal Creek Tributary 2								
001	100	90	126	3.9	664.9	664.9	664.9	0.0
009	900	80	124	4.0	676.0	676.0	676.0	0.0
019	1,900	75	113	4.4	691.6	691.6	691.6	0.0
027	2,650	80	155	3.2	705.3	705.3	705.7	0.4
028	2,840	80	217	2.3	709.7	709.7	710.2	0.5
034	3,350	91	103	3.8	733.3	733.3	733.4	0.1
Vestal Creek Tributary 3								
000	0	60	316	4.7	650.9	650.9	651.9	1.0
014	1,400	85	341	3.6	662.0	662.0	662.8	0.8

[1]Feet above mouth

TABLE 13

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC AND INCORPORATED AREAS

FLOODWAY DATA

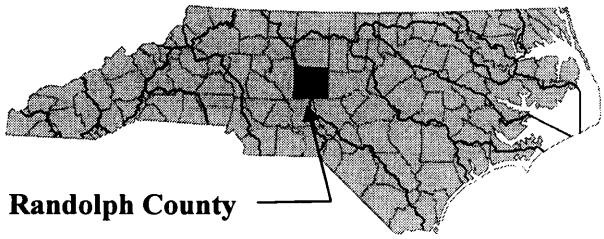
VESTAL CREEK TRIBUTARY 1 – VESTAL CREEK TRIBUTARY 2 – VESTAL CREEK TRIBUTARY 3

FLOOD INSURANCE STUDY

A Report of Flood Hazards in

RANDOLPH COUNTY, NORTH CAROLINA

AND INCORPORATED AREAS



Community Name	Community Number	River Basin
Archdale, City of	370273	Cape Fear/Yadkin
Asheboro, City of	370196	Cape Fear/Yadkin
Franklinville, Town of	370197	Cape Fear
Liberty, Town of	370582	Cape Fear
Ramseur, Town of	370198	Cape Fear
Randleman, City of	370199	Cape Fear/Yadkin
Randolph County (Unincorporated Areas)	370195	Cape Fear/Yadkin
Seagrove, Town of	370613	Cape Fear/Yadkin
Trinity, City of	370625	Cape Fear/Yadkin

NORTH CAROLINA
Cooperating Technical State
FEMA'S COOPERATING TECHNICAL PARTNER

VOLUME 3 OF 4

January 2, 2008

Federal Emergency Management Agency
State of North Carolina

Flood Insurance Study Number
37151CV003A

www.fema.gov and www.ncfloodmaps.com

FOREWORD

This countywide Flood Insurance Study (FIS) Report was produced through a unique cooperative partnership between the State of North Carolina and the Federal Emergency Management Agency (FEMA). The State of North Carolina has implemented a long-term approach to floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map floodplain areas at the state level. As a part of this effort, the State of North Carolina has joined with FEMA in a Cooperating Technical State (CTS) agreement to produce and maintain this FIS Report and the accompanying digital Flood Insurance Rate Map (FIRM) for North Carolina.

NOTICE TO FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

Part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current FIS components.

The following is a list of the publication dates of this Countywide FIS Report starting with the initial Report accompanying the North Carolina Statewide FIRM:

January 2, 2008

This FIS has been produced as part of the North Carolina Floodplain Mapping Program. Randolph County, North Carolina, falls under the administrative jurisdiction of Region IV of the Federal Emergency Management Agency (FEMA). Questions concerning this FIS may be directed to the North Carolina Floodplain Mapping Program at www.ncfloodmaps.com, the FEMA Map Assistance Center by calling the toll-free information line at 1-877-FEMA MAP (1-877-336-2627), or by contacting the FEMA Regional Office at the following address:

FEMA, Federal Insurance and Mitigation Administration
Koger Center - Rutgers Building
3003 Chamblee Tucker Road
Atlanta, Georgia 30341
(770) 220-5400

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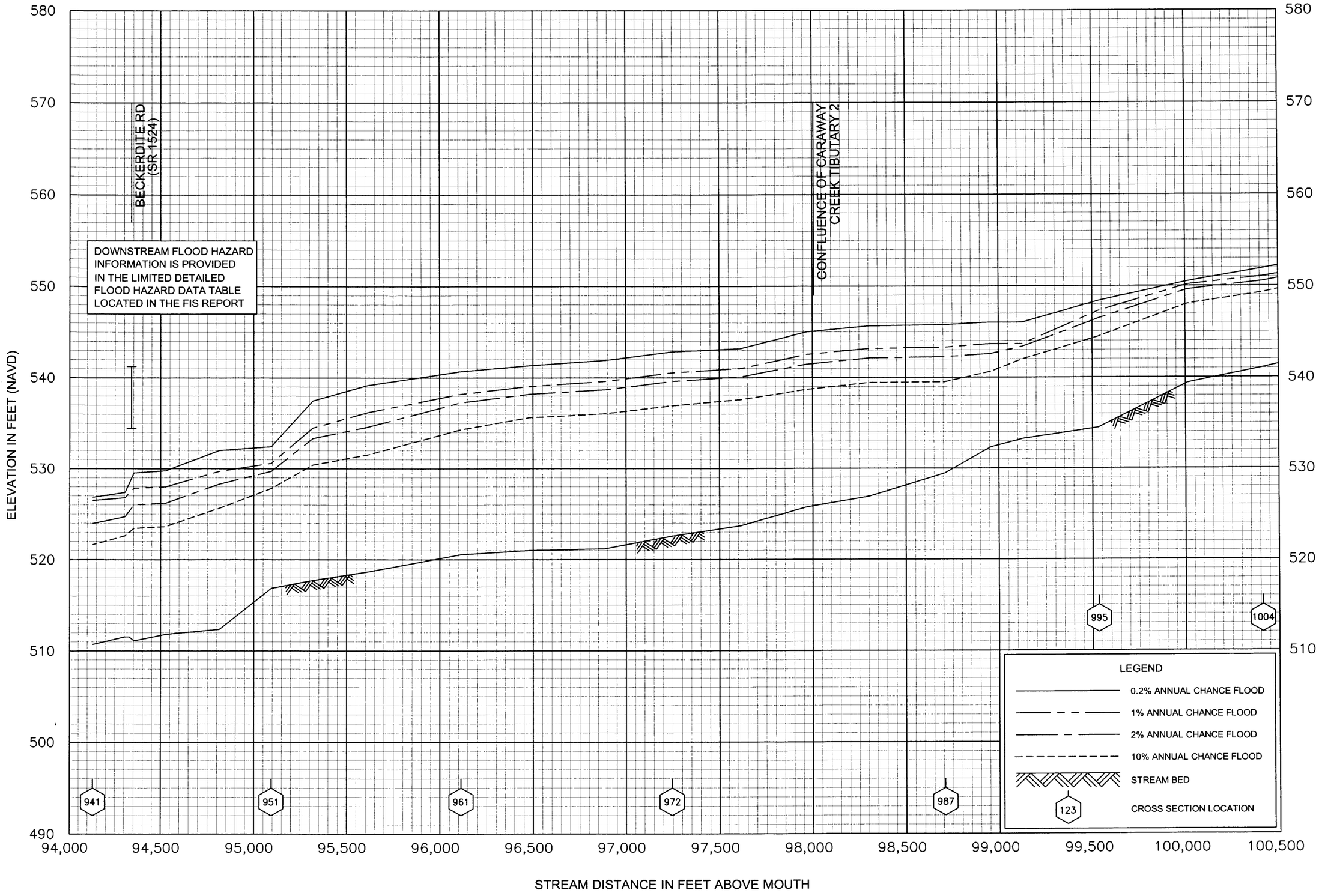


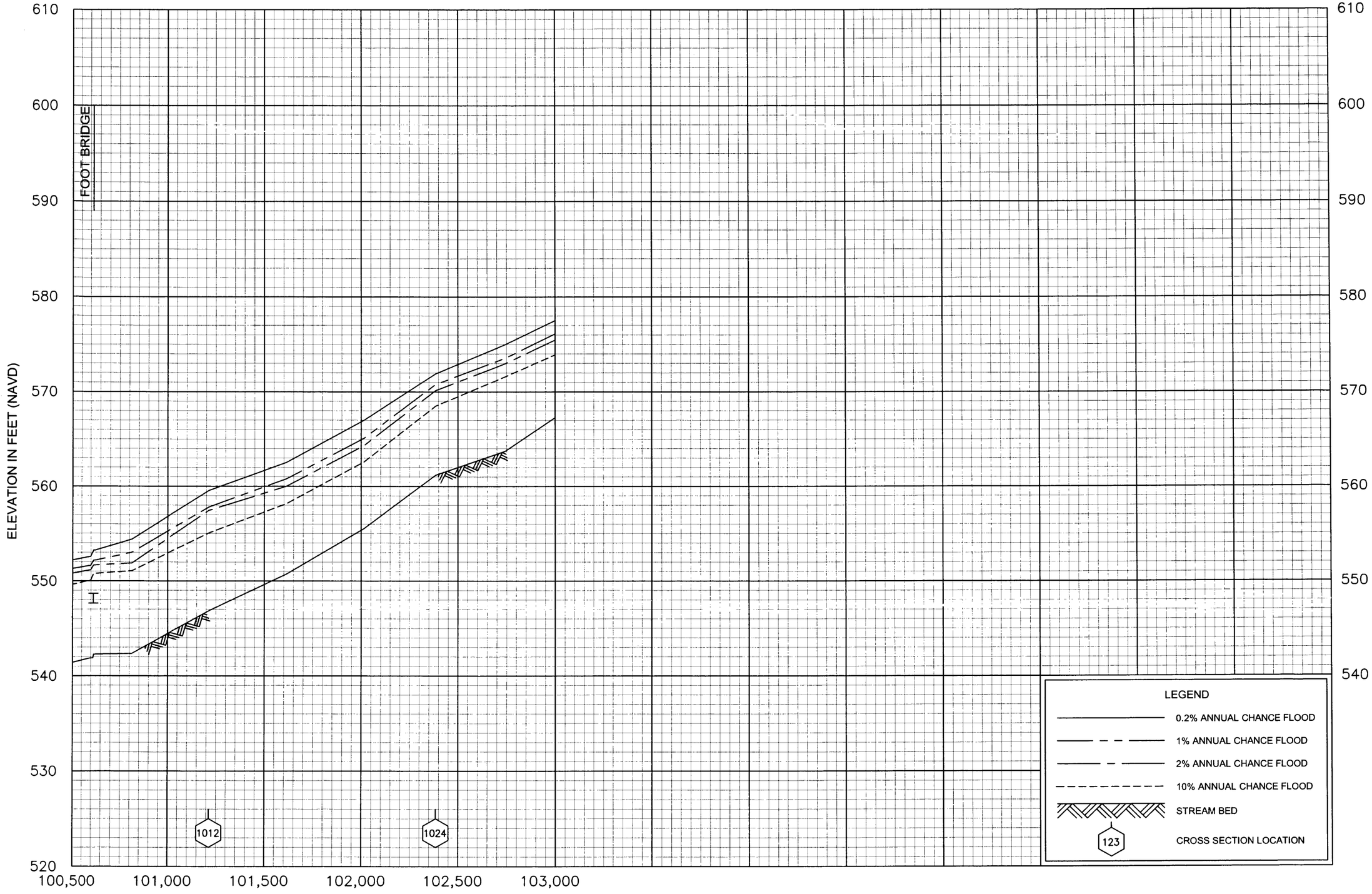
FLOOD PROFILES

CARAWAY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

01P



FLOOD PROFILES

CARAWAY CREEK

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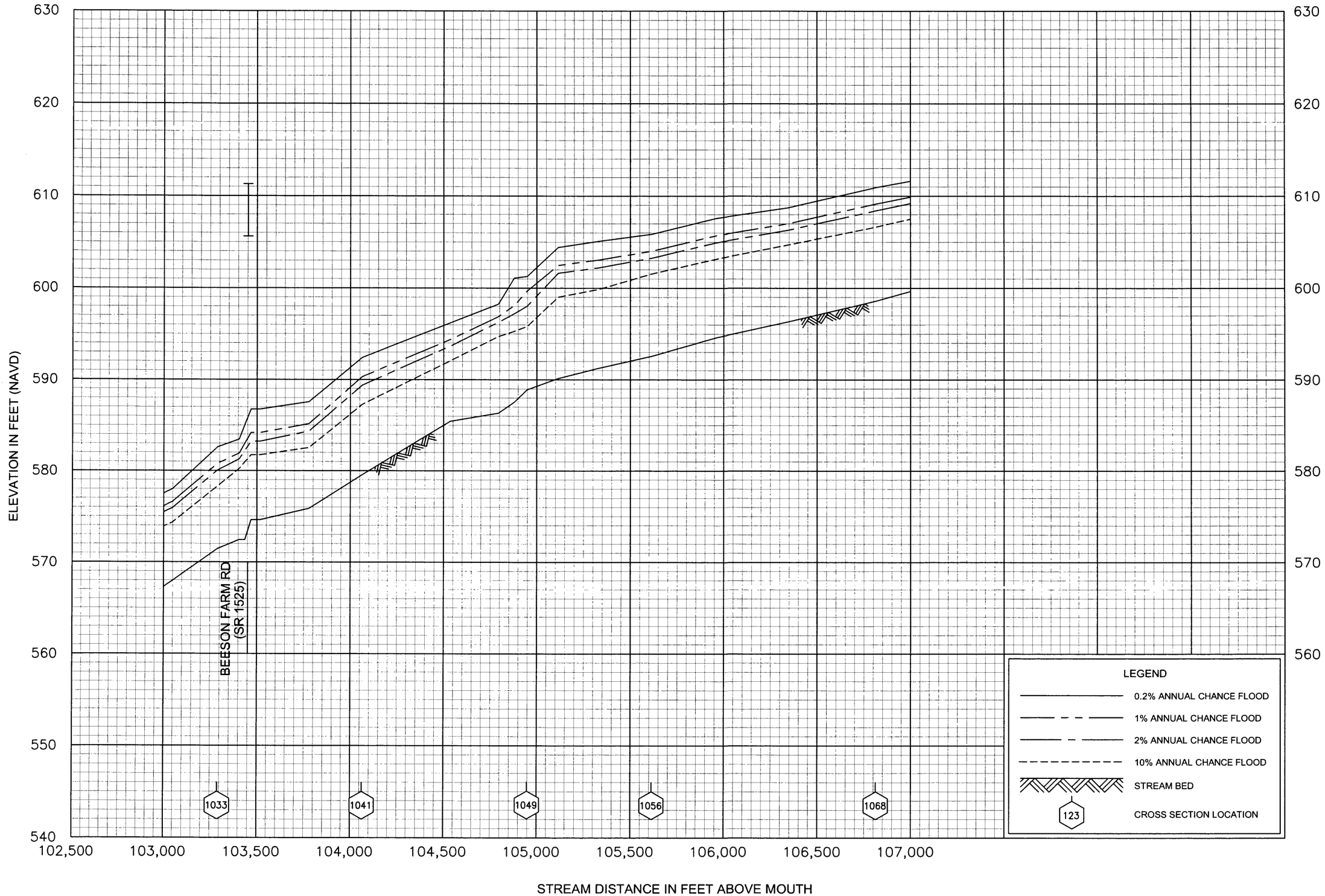

FLOOD PROFILES

CARAWAY CREEK

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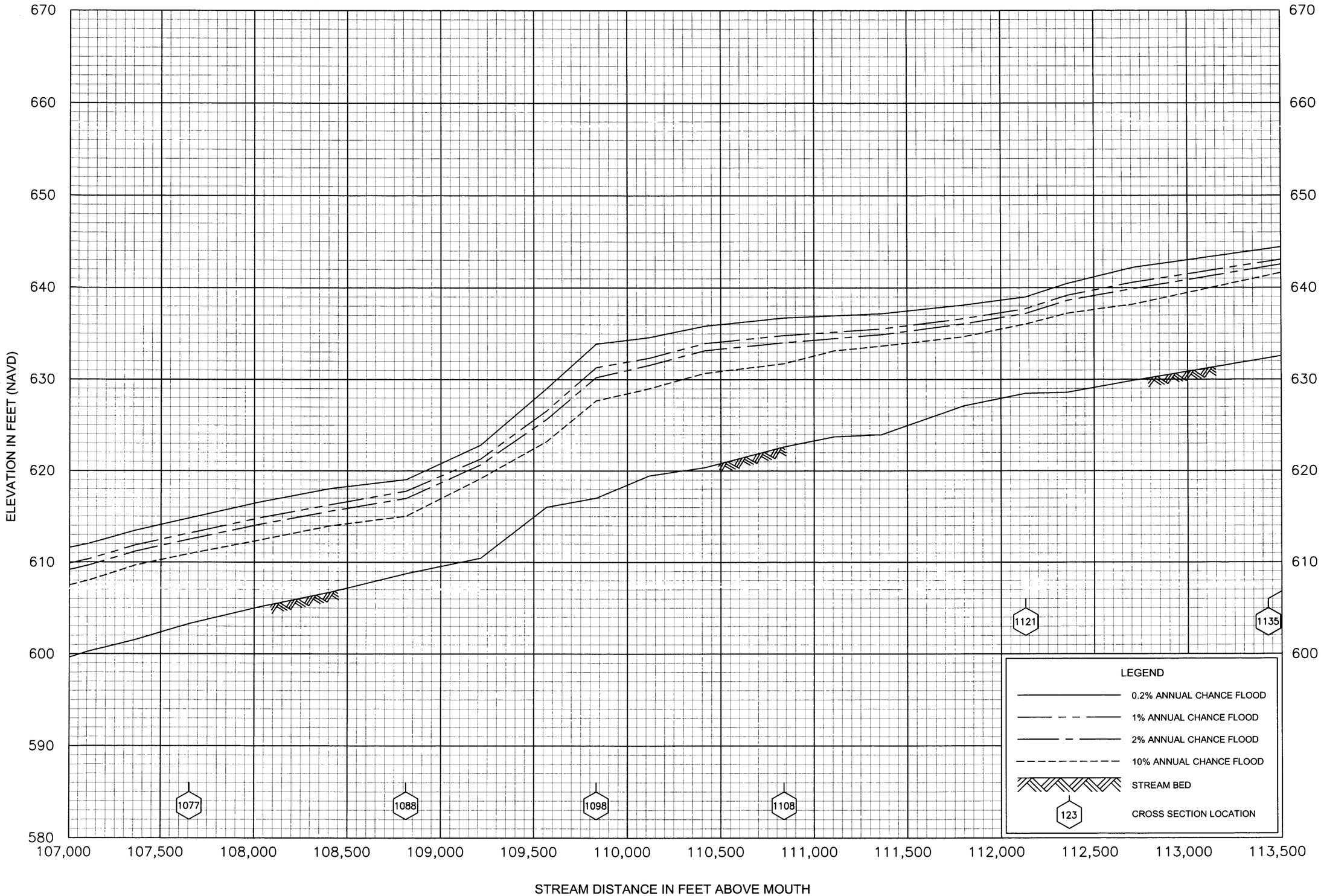

FLOOD PROFILES

CARAWAY CREEK

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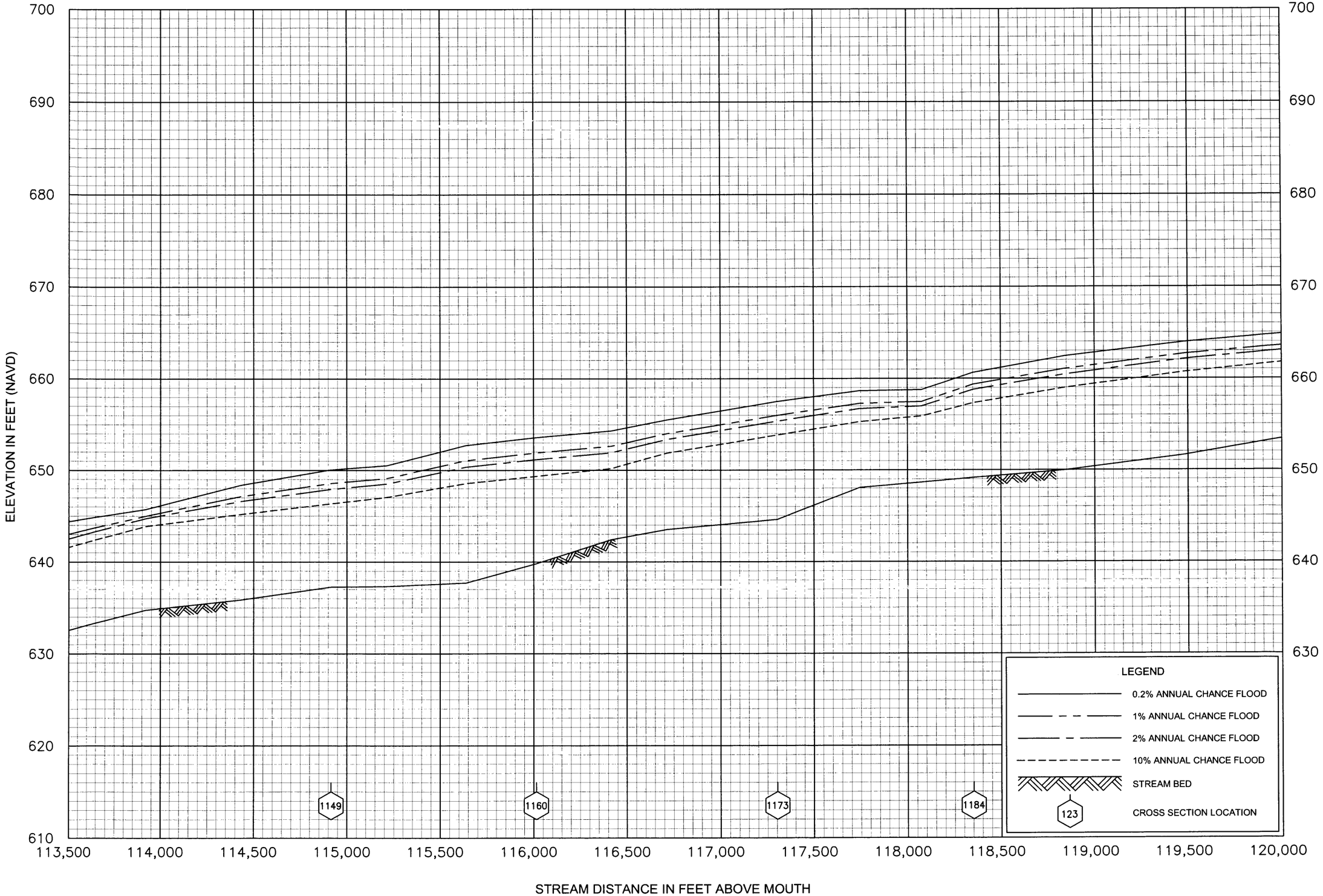
04P



FLOOD PROFILES

CARAWAY CREEK

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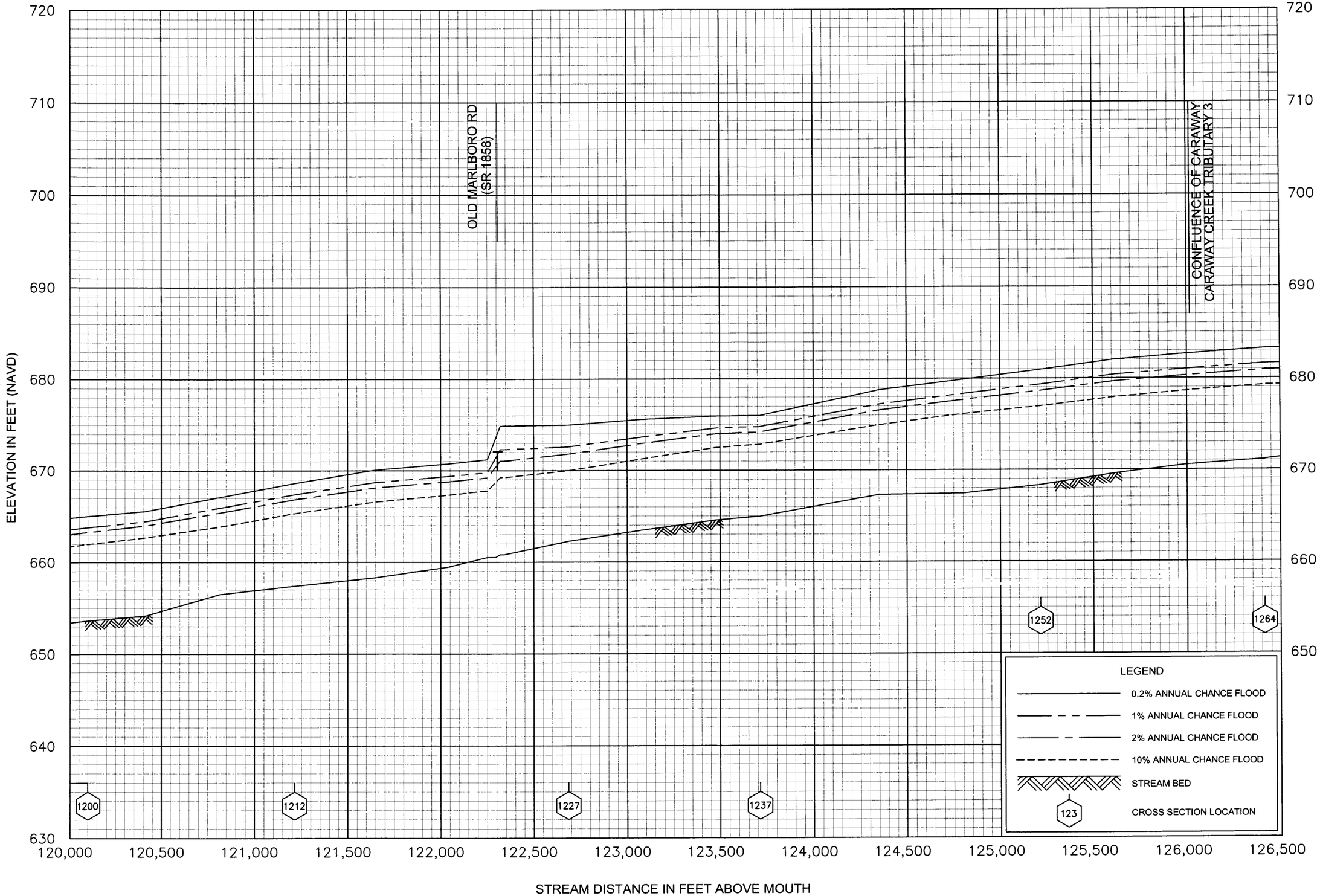
05P



FLOOD PROFILES

CARAWAY CREEK

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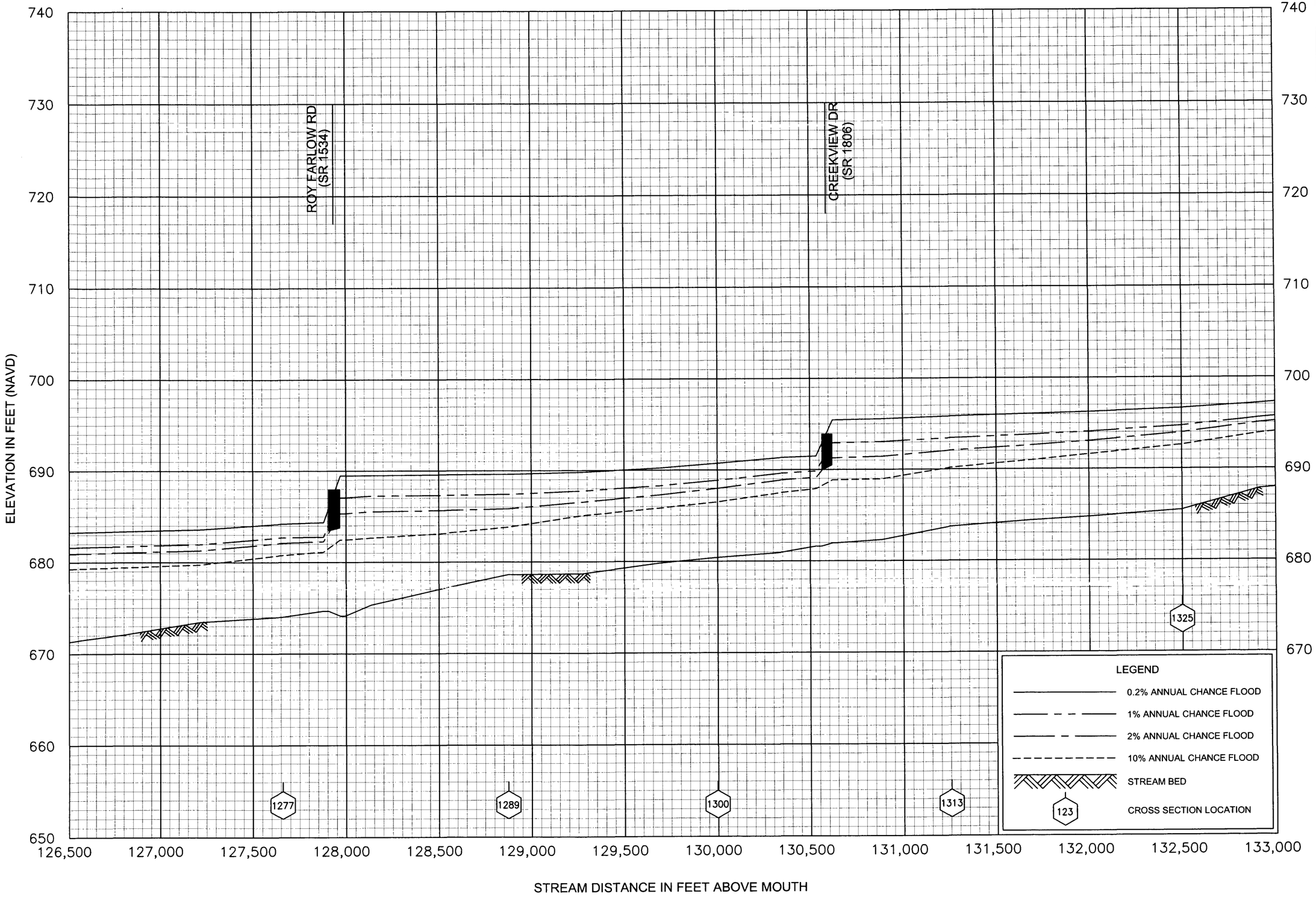

FLOOD PROFILES

CARAWAY CREEK

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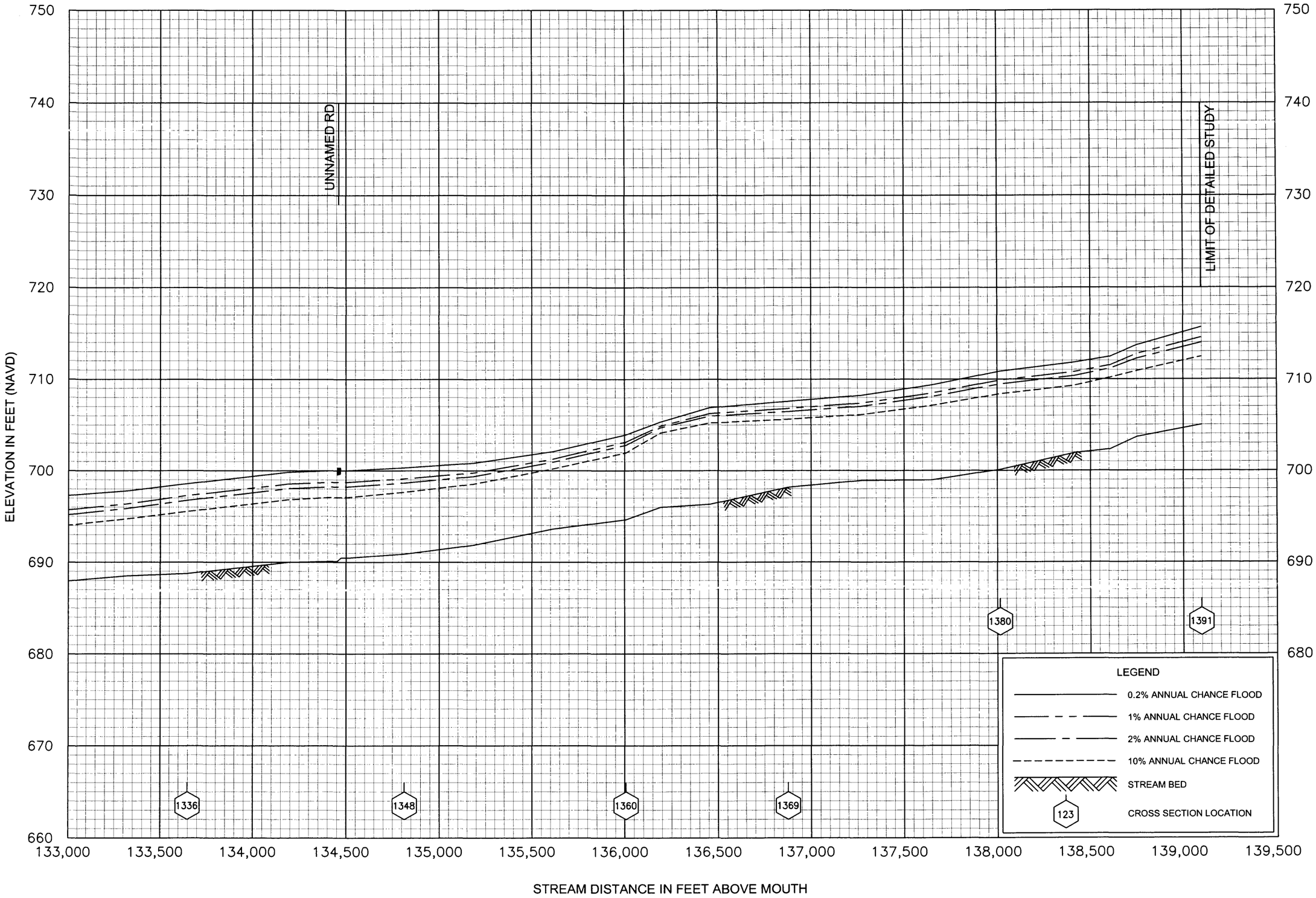

FLOOD PROFILES

CARAWAY CREEK

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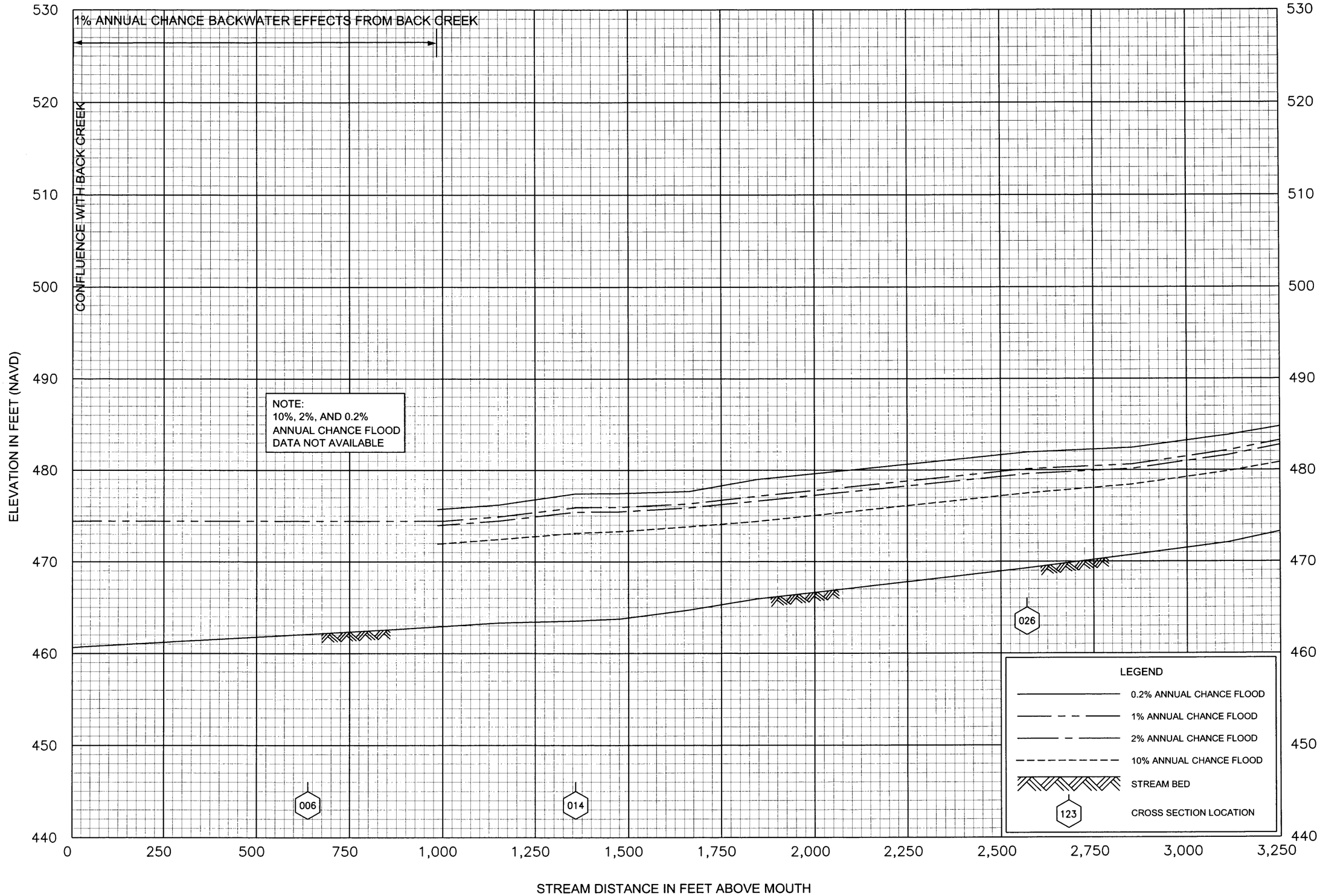


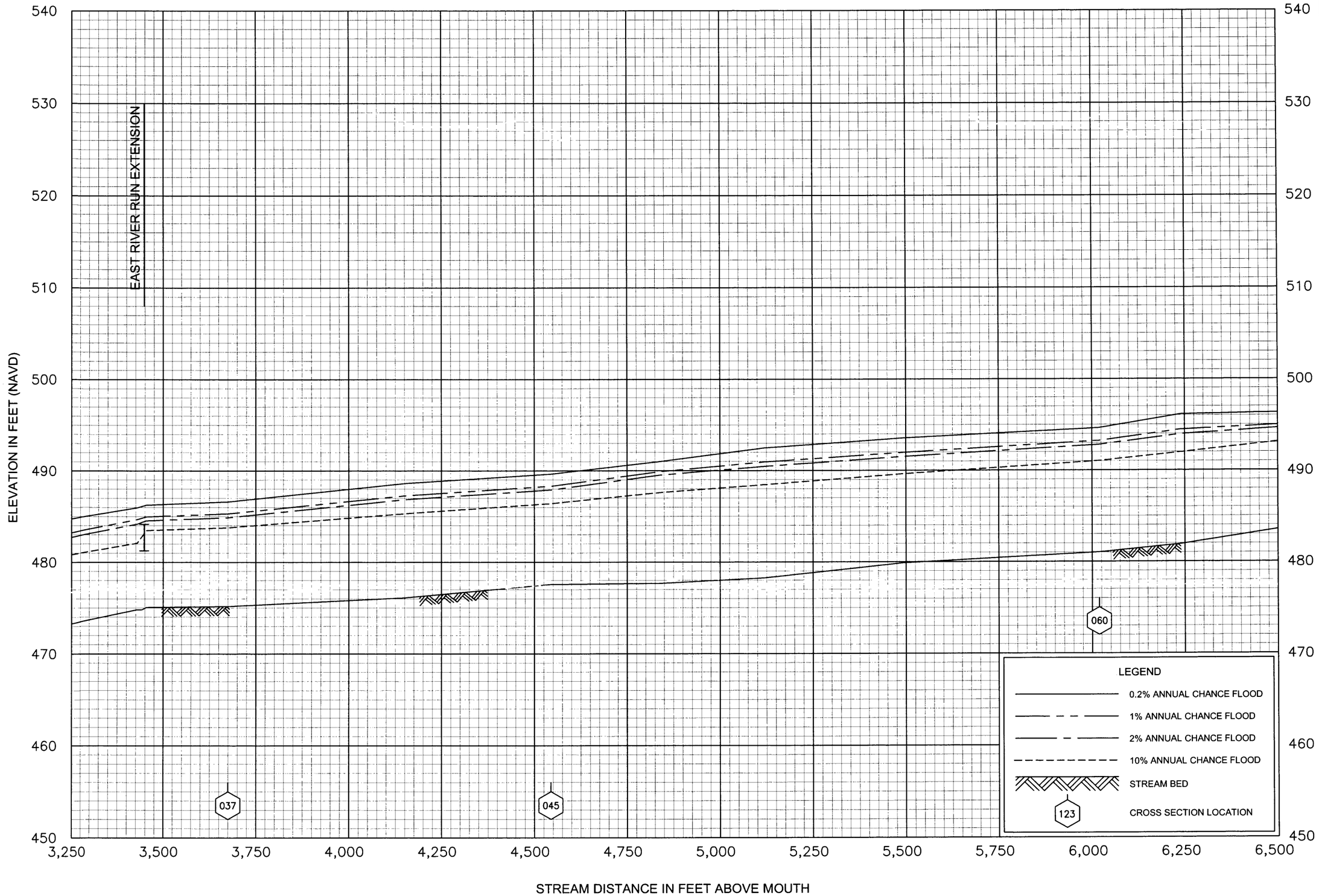
FLOOD PROFILES

CEDAR FORK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

09P



FLOOD PROFILES

CEDAR FORK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

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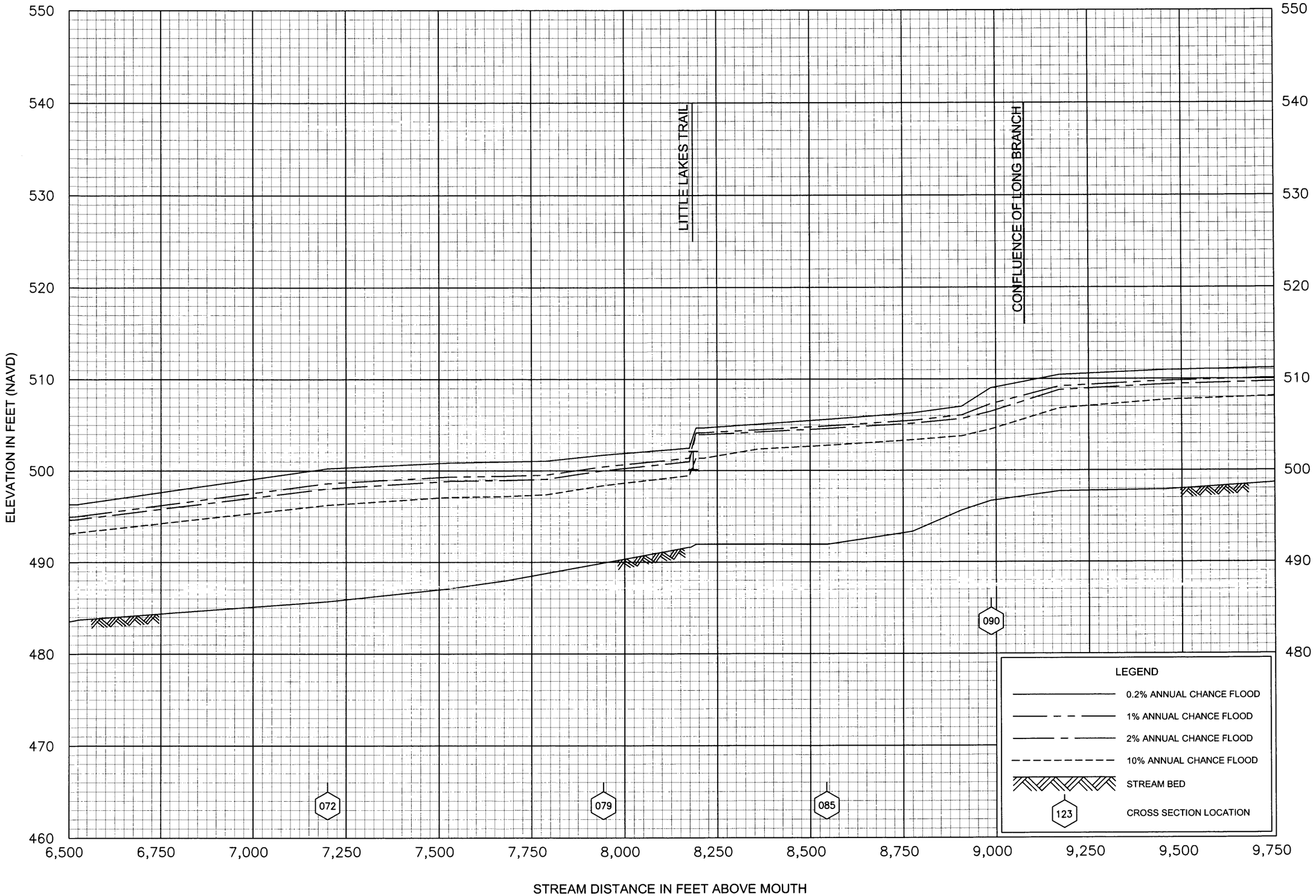
AND INCORPORATED AREAS



FLOOD PROFILES

CEDAR FORK CREEK

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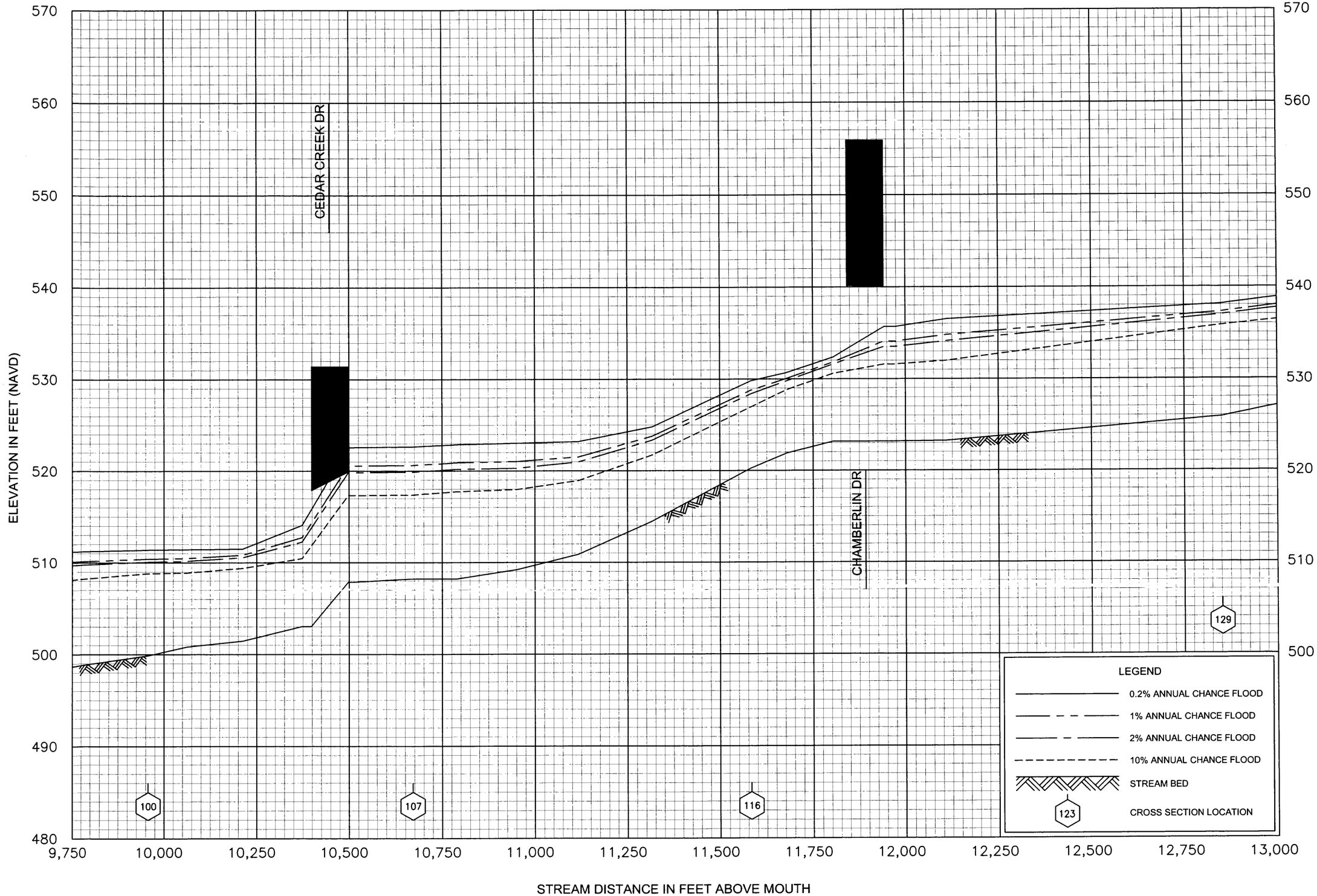

FLOOD PROFILES

CEDAR FORK CREEK

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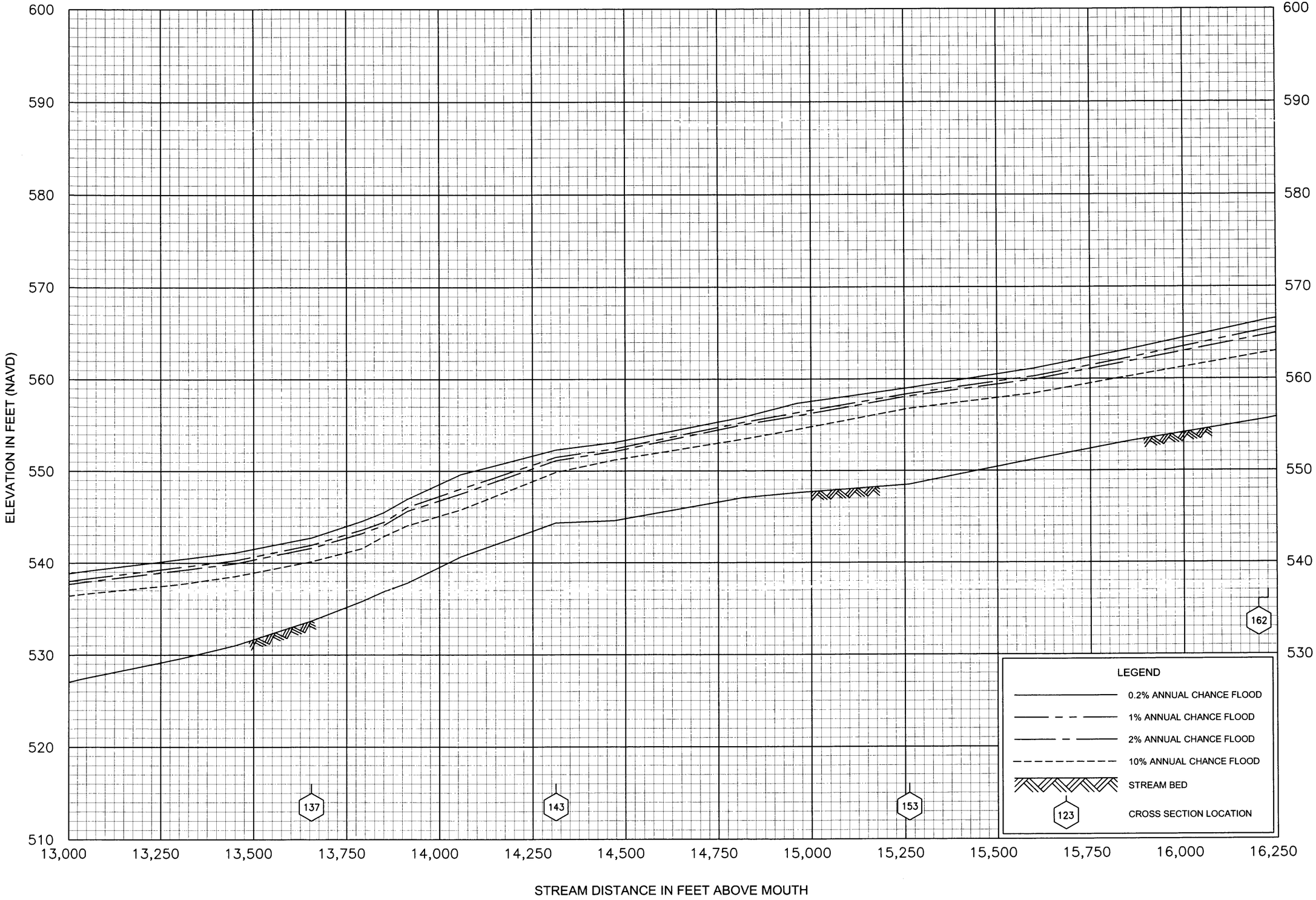

FLOOD PROFILES

CEDAR FORK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
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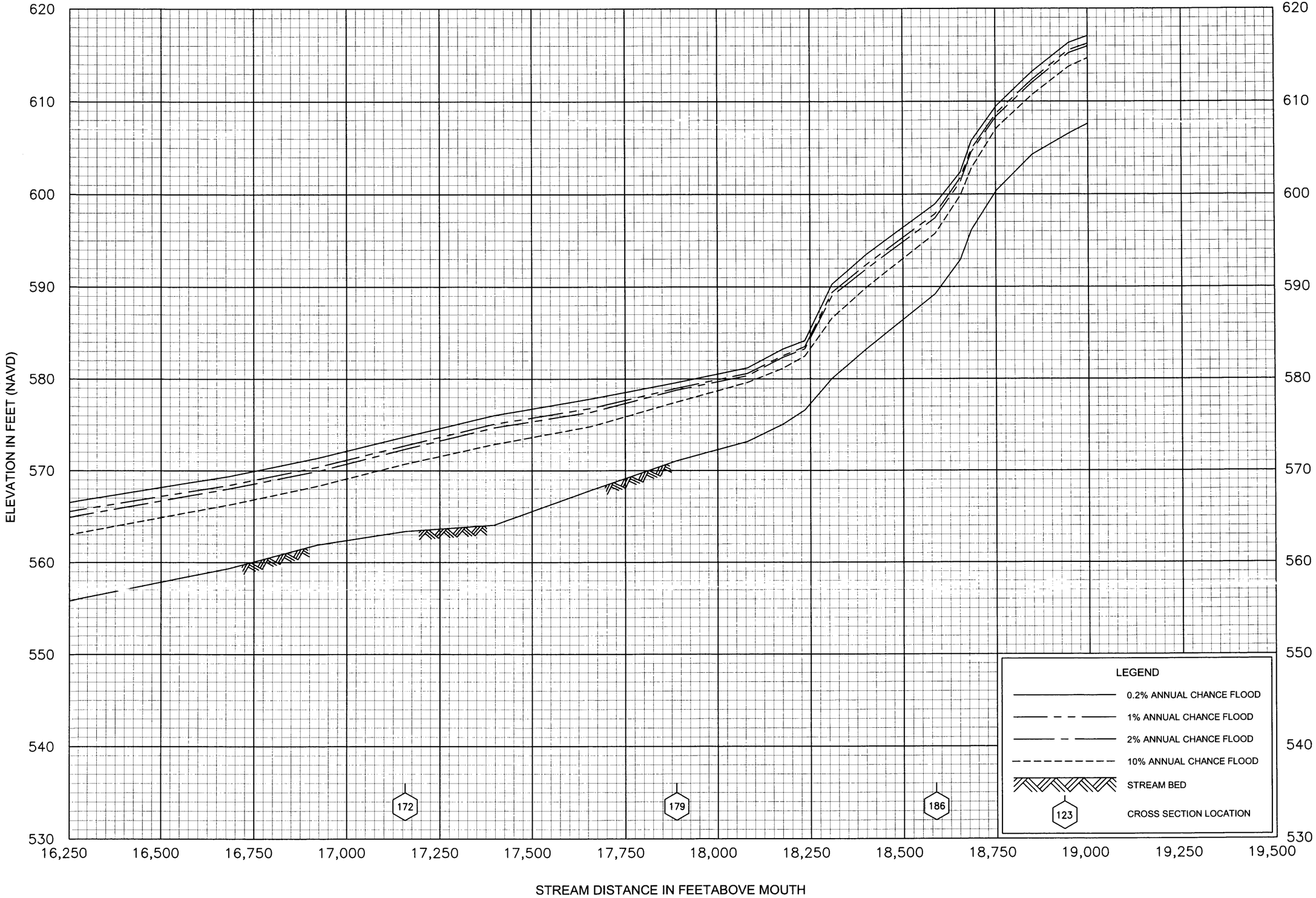

FLOOD PROFILES

CEDAR FORK CREEK

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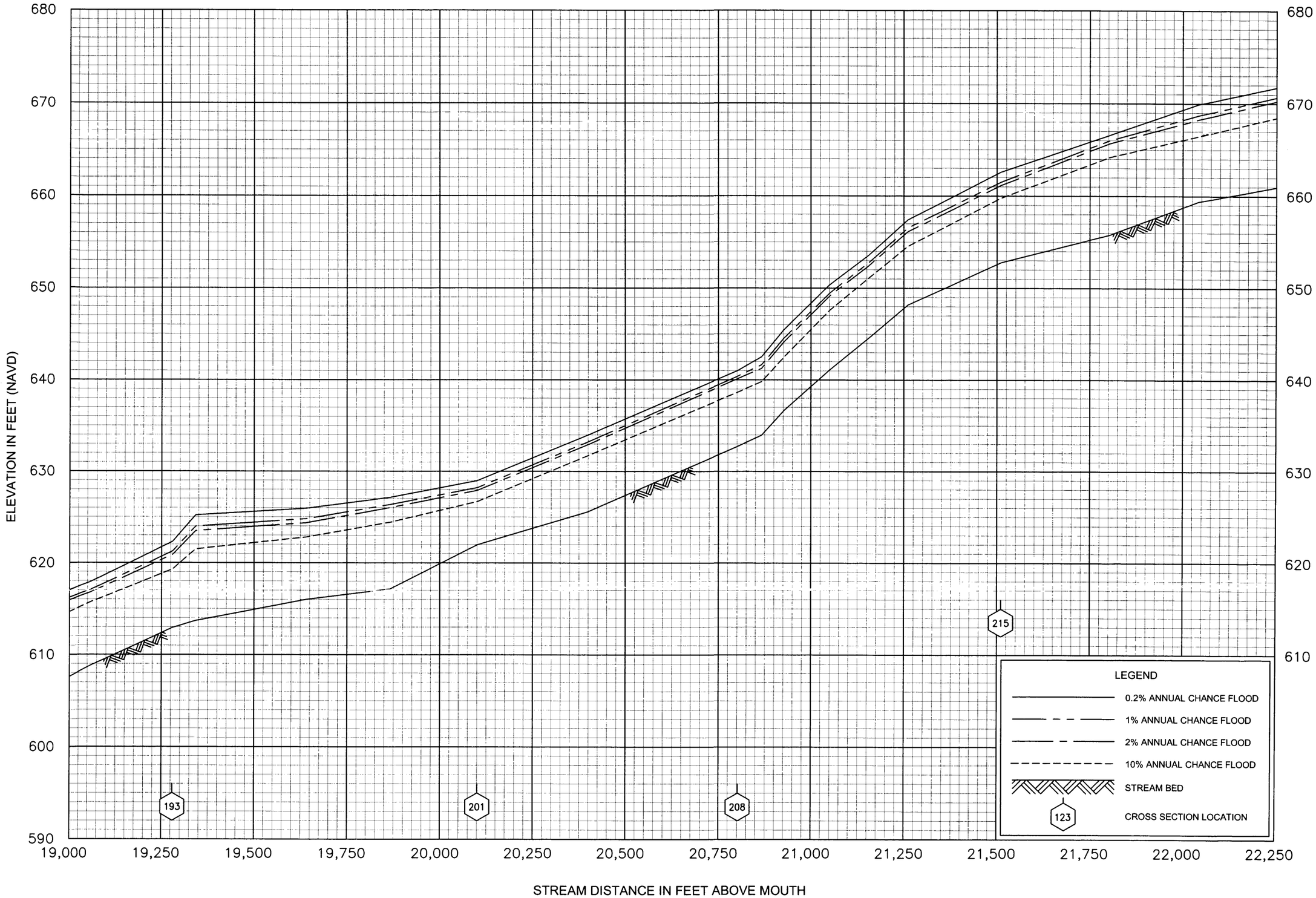

FLOOD PROFILES

CEDAR FORK CREEK

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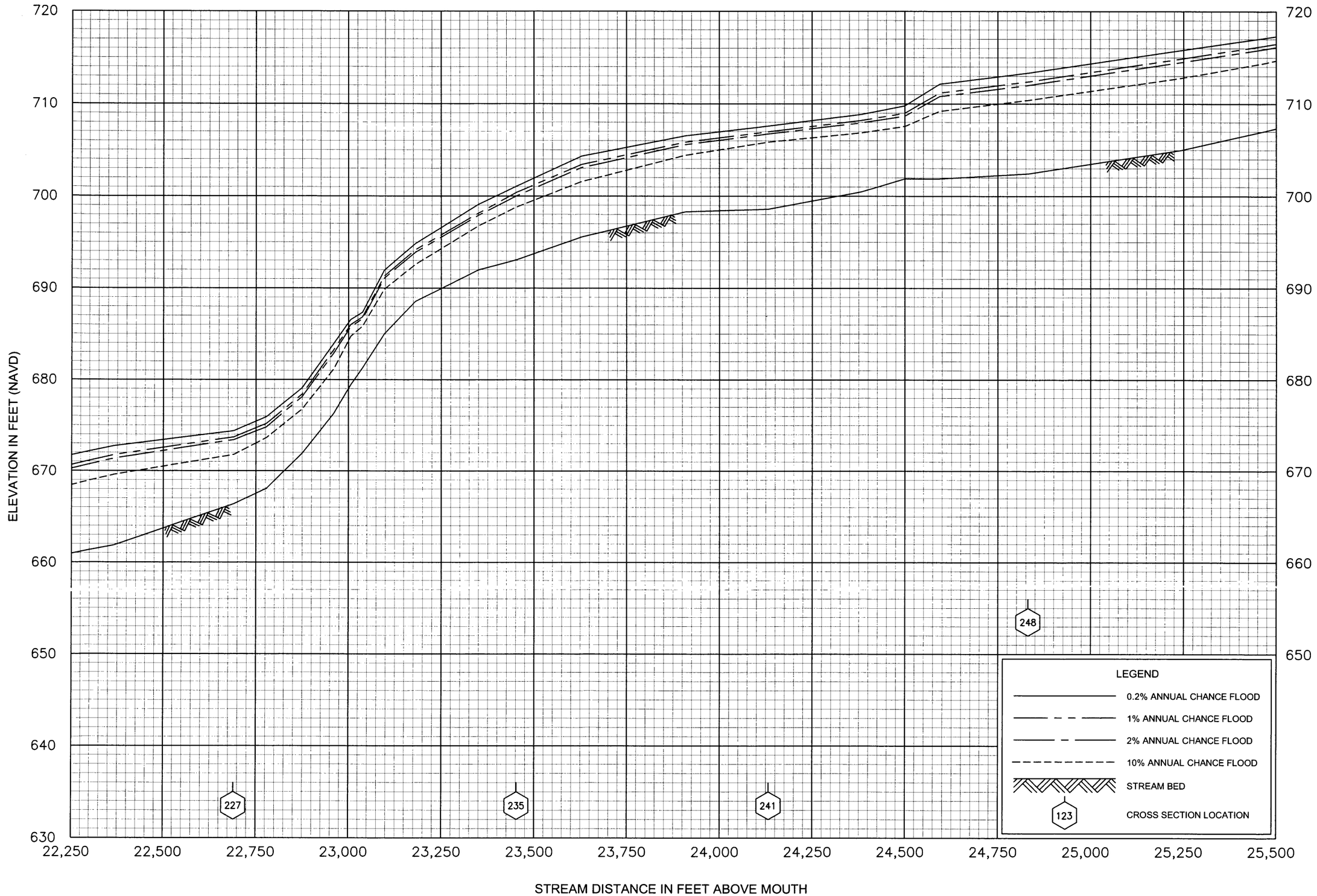
RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

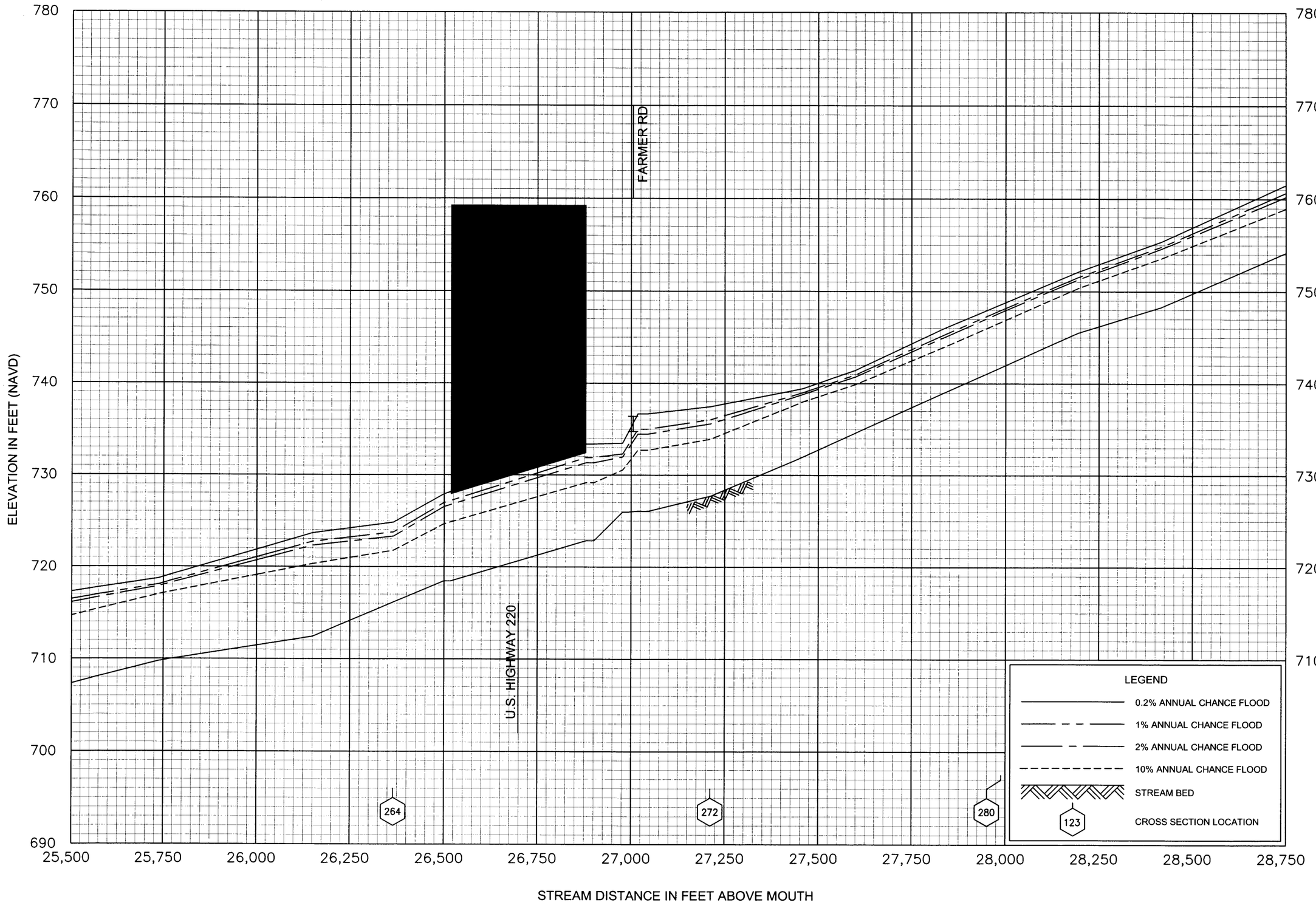


FLOOD PROFILES

CEDAR FORK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

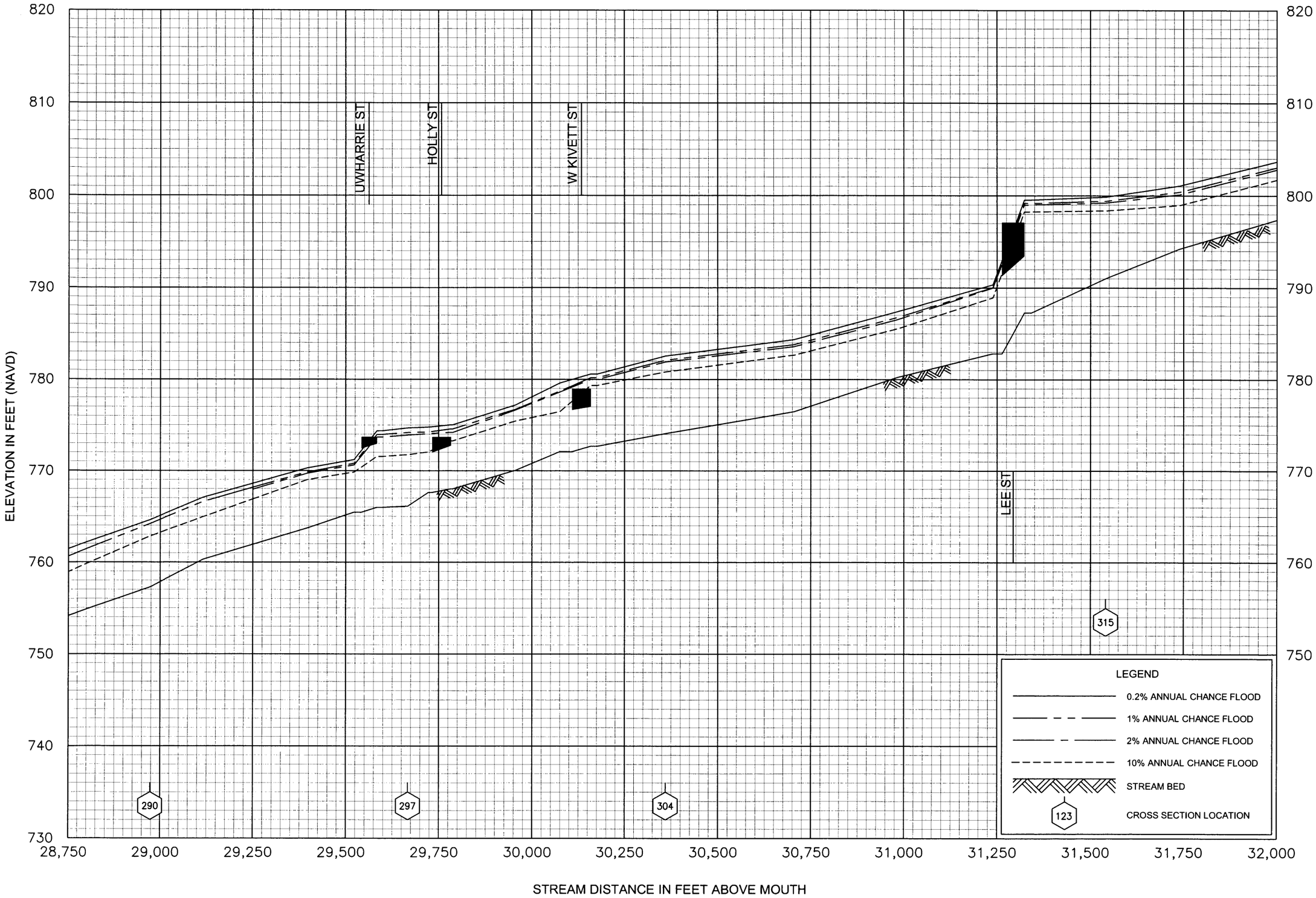


FLOOD PROFILES

CEDAR FORK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

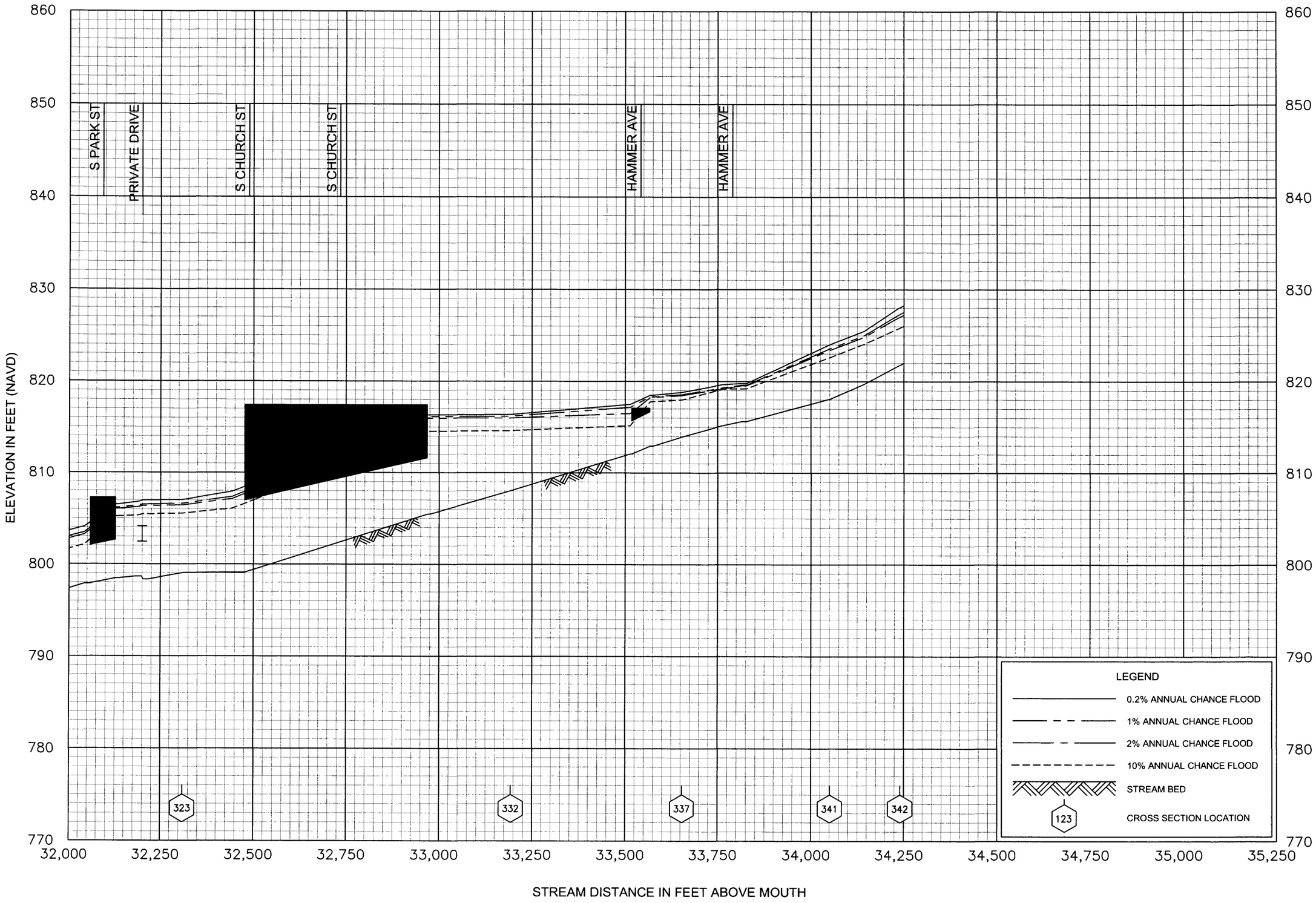


FLOOD PROFILES

CEDAR FORK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

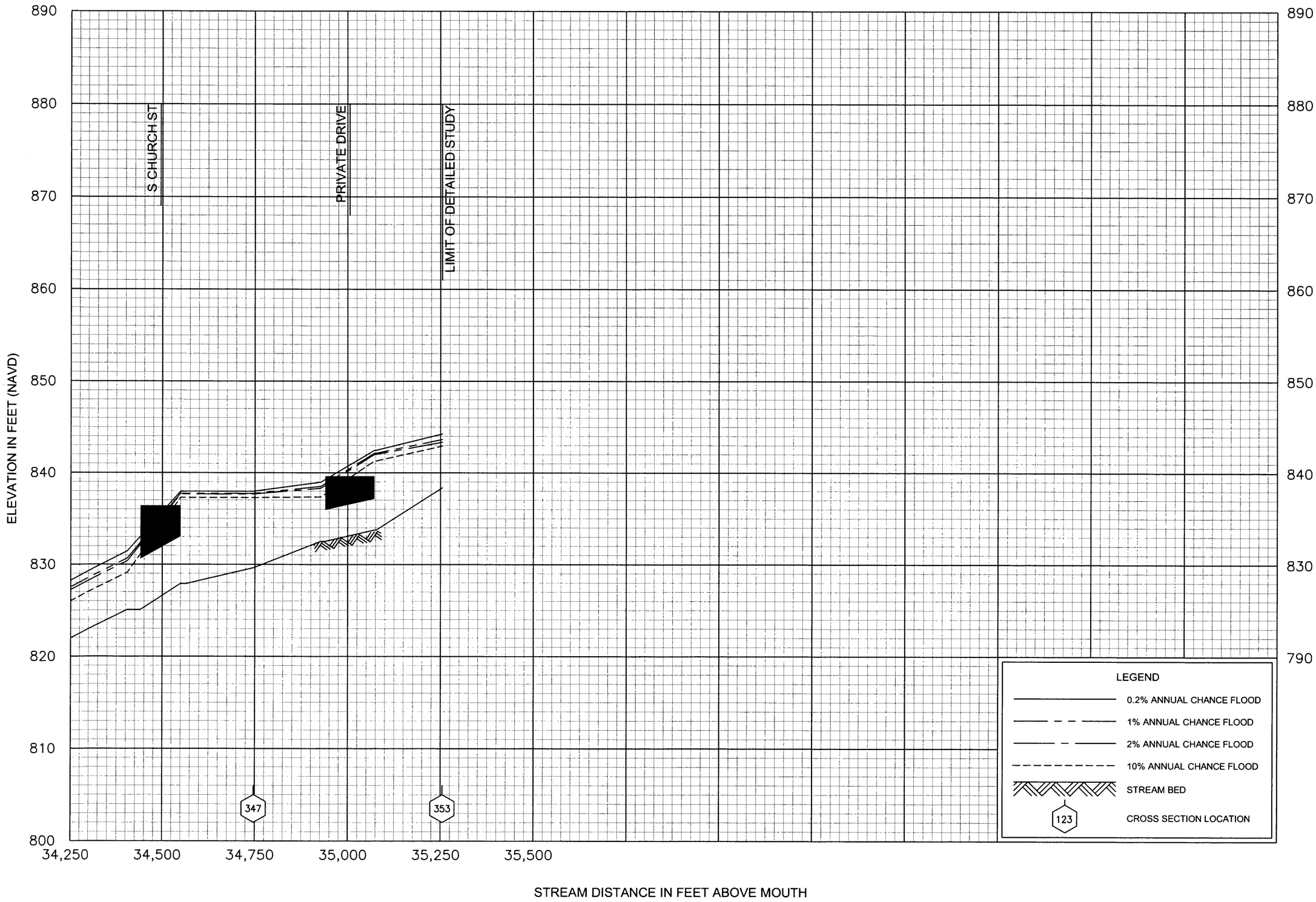


FLOOD PROFILES

CEDAR FORK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

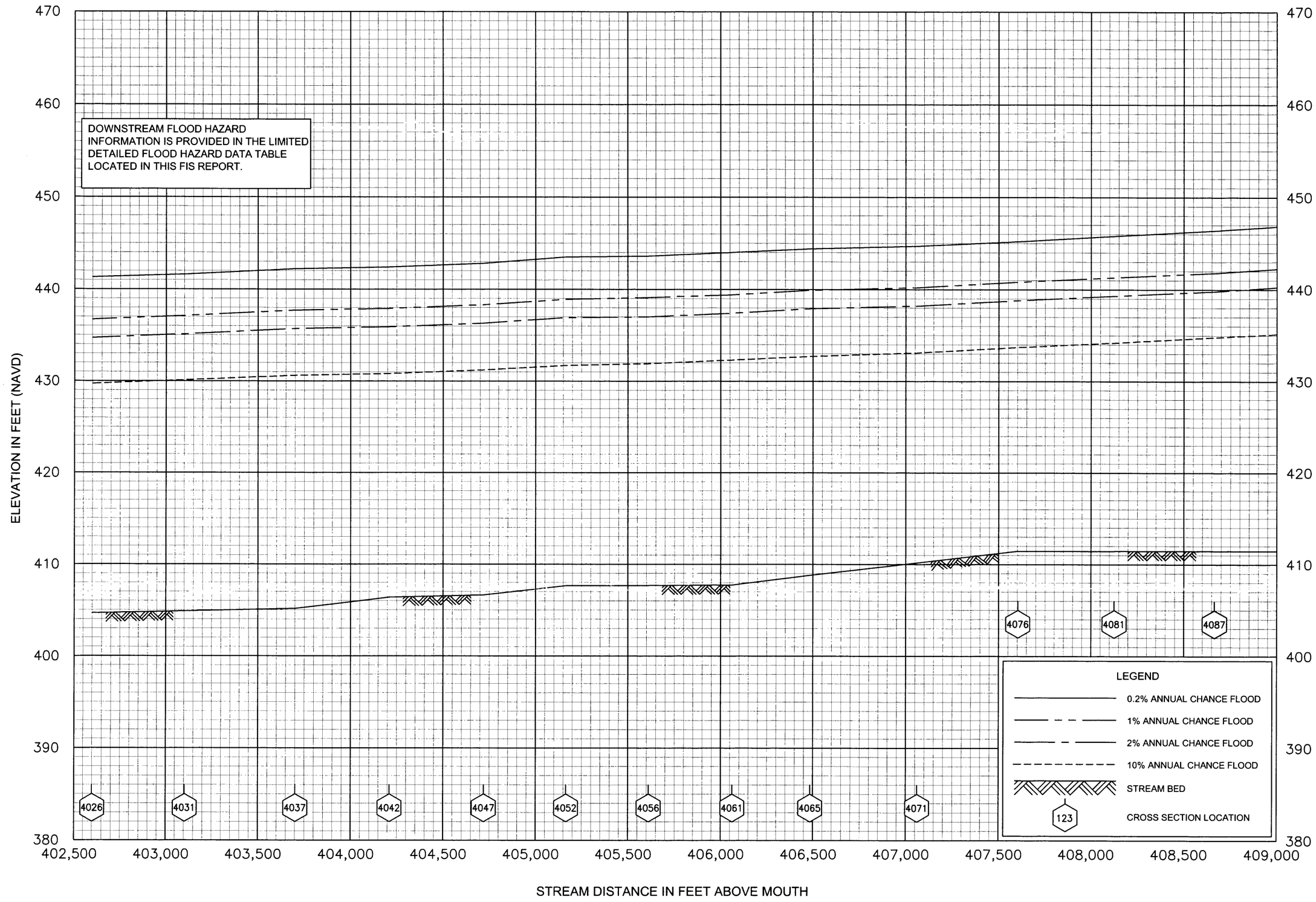


FLOOD PROFILES

CEDAR FORK CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

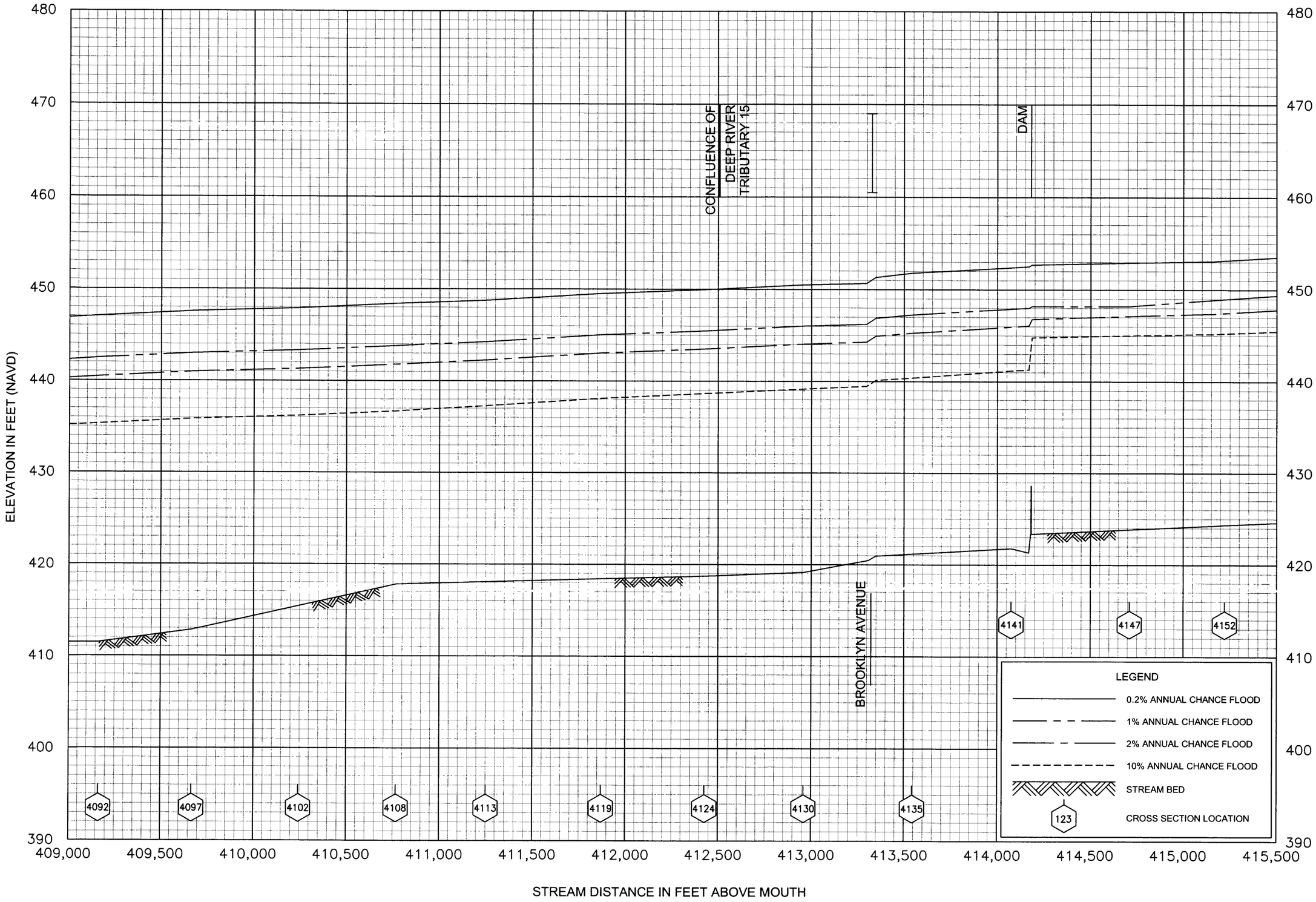


FLOOD PROFILES

DEEP RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

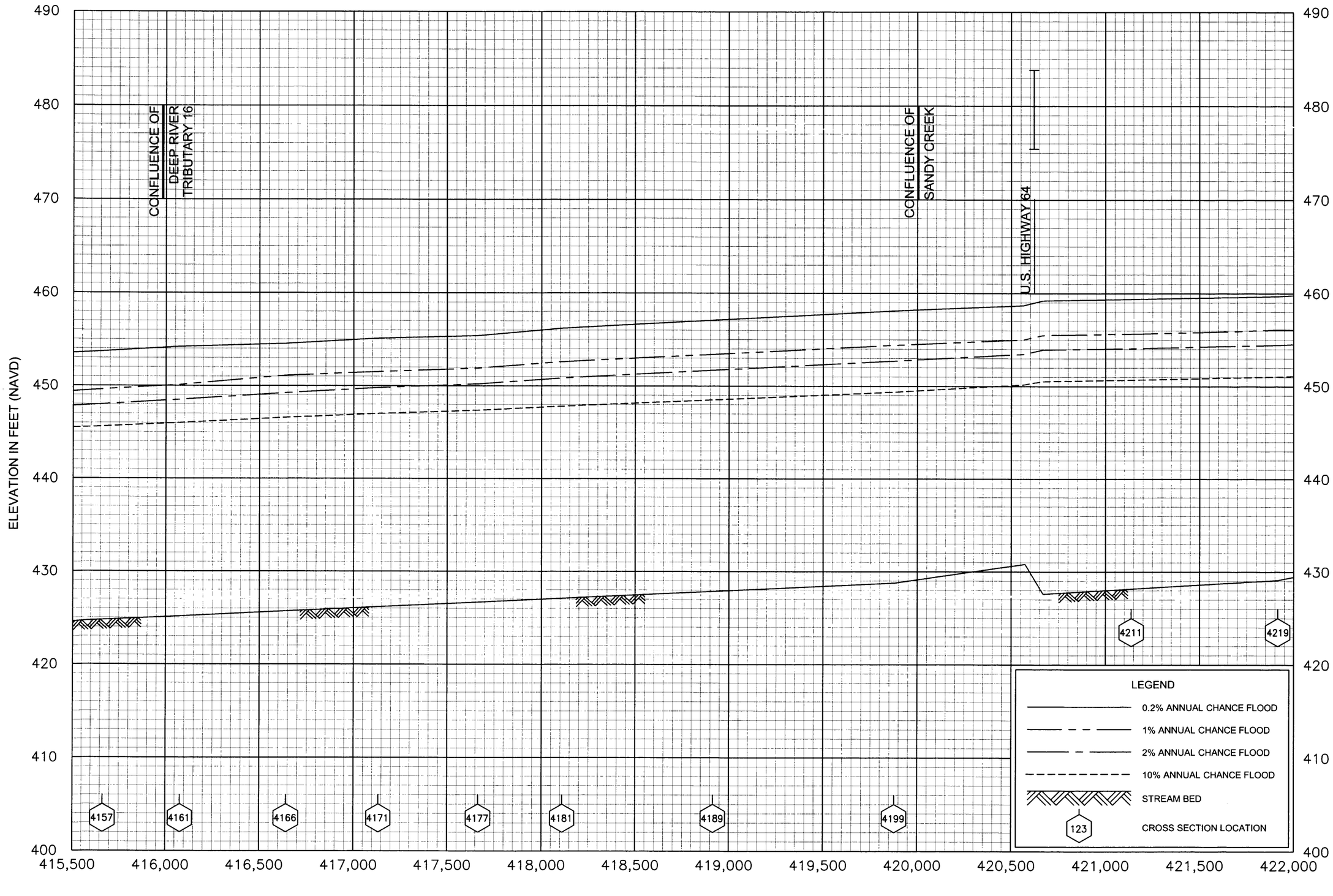


FLOOD PROFILES

DEEP RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS



FLOOD PROFILES

DEEP RIVER

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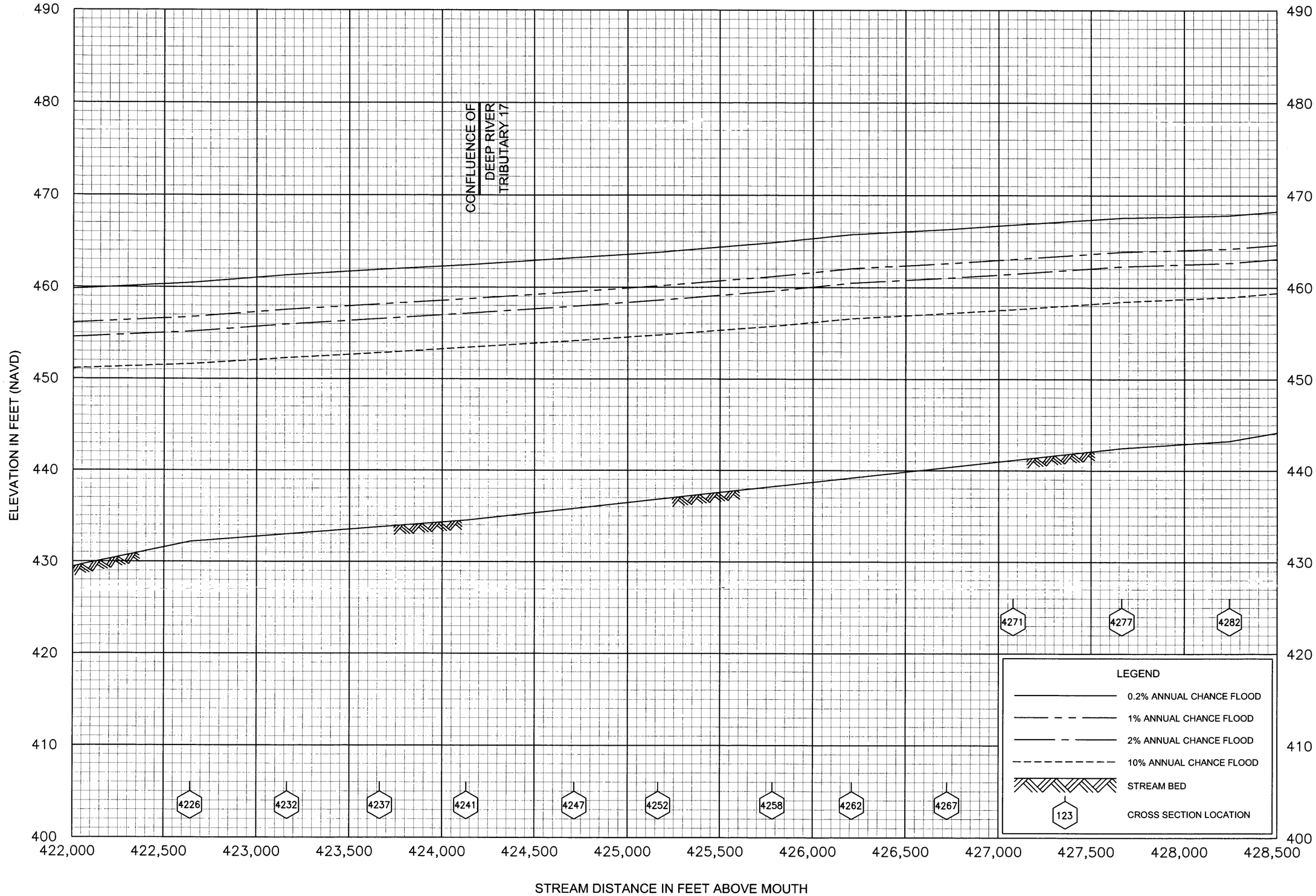
RANDOLPH COUNTY, NC
AND INCORPORATED AREAS



FLOOD PROFILES

DEEP RIVER

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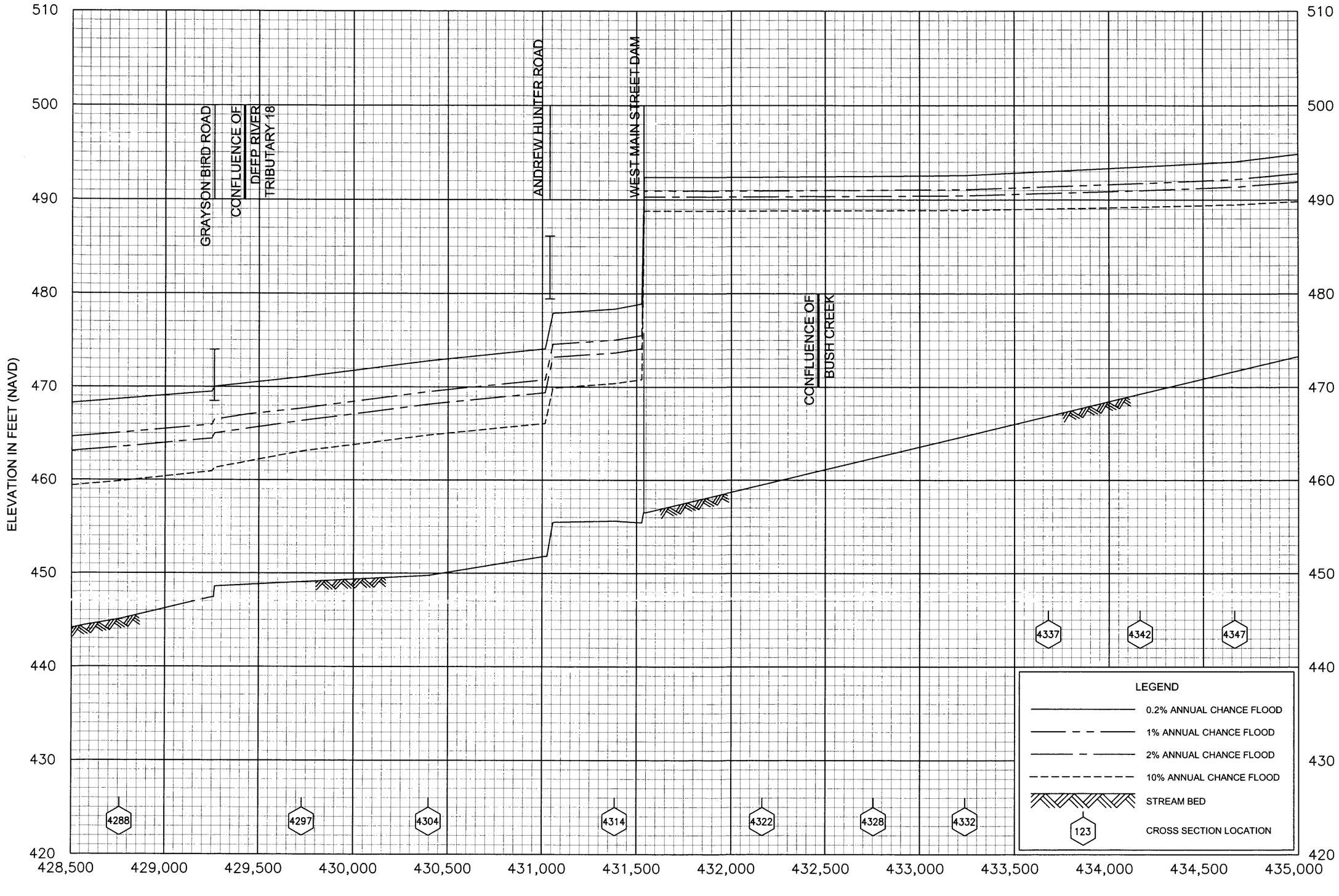
RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

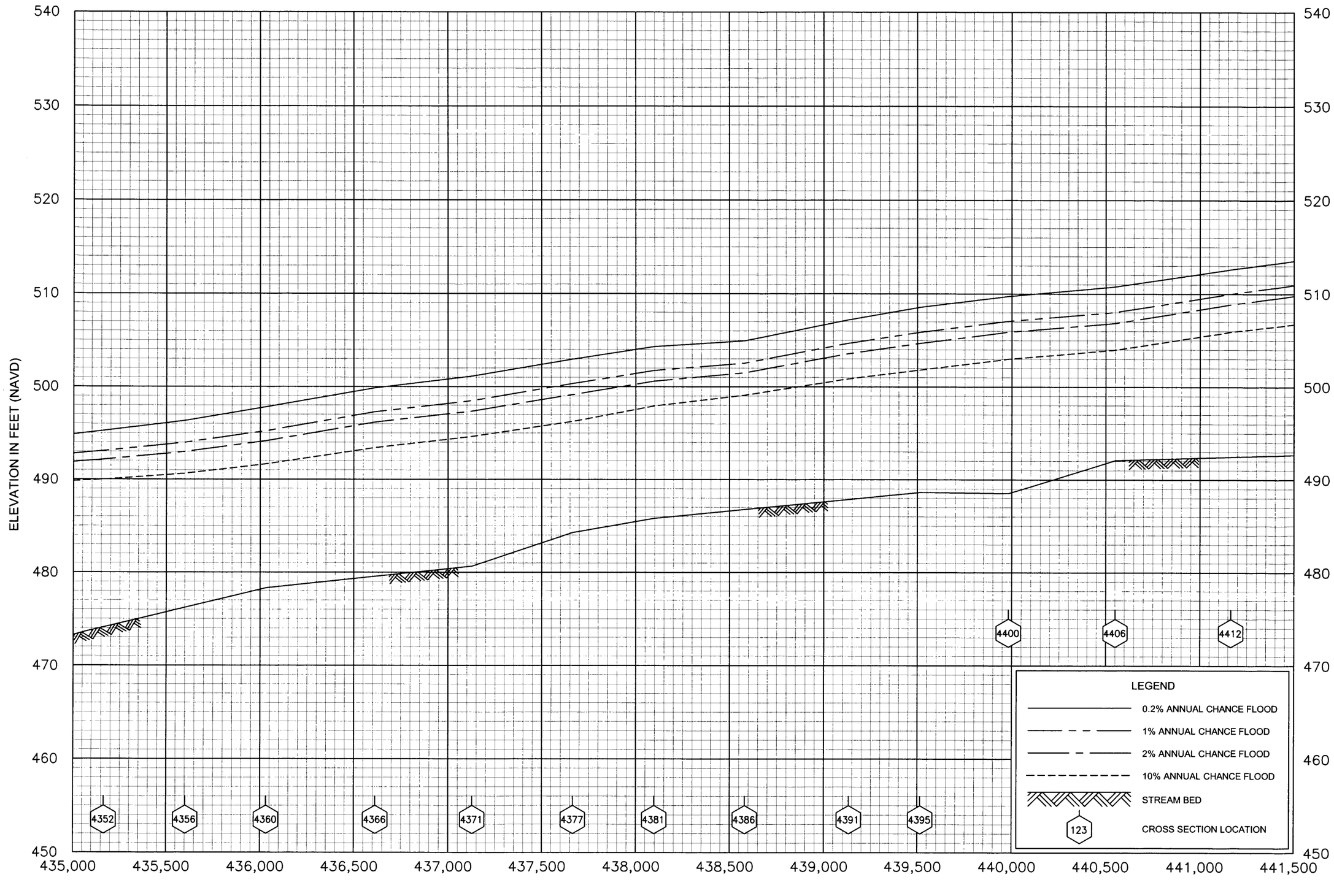


FLOOD PROFILES

DEEP RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS



FLOOD PROFILES

DEEP RIVER

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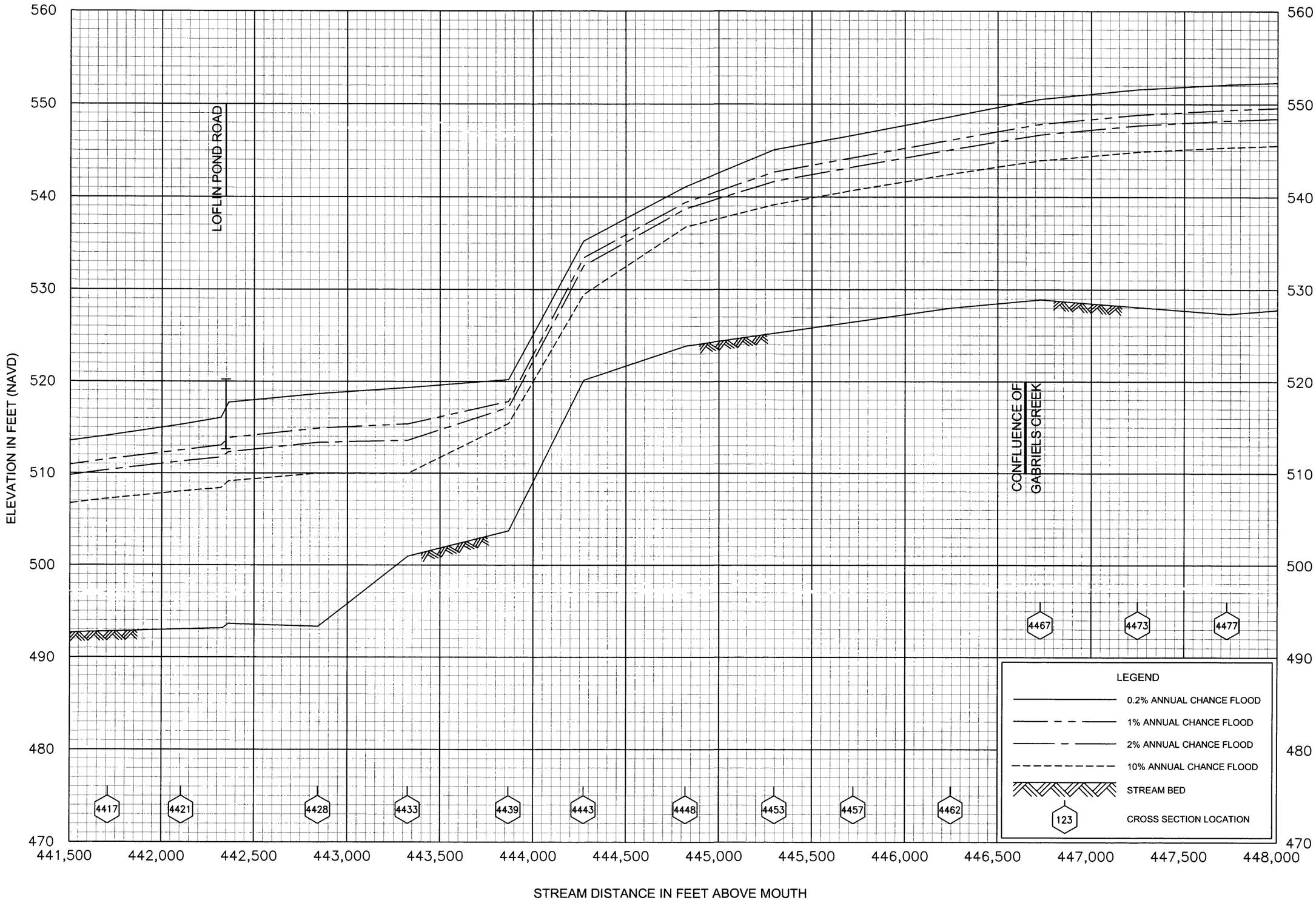
RANDOLPH COUNTY, NC
AND INCORPORATED AREAS



FLOOD PROFILES

DEEP RIVER

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RANDOLPH COUNTY, NC
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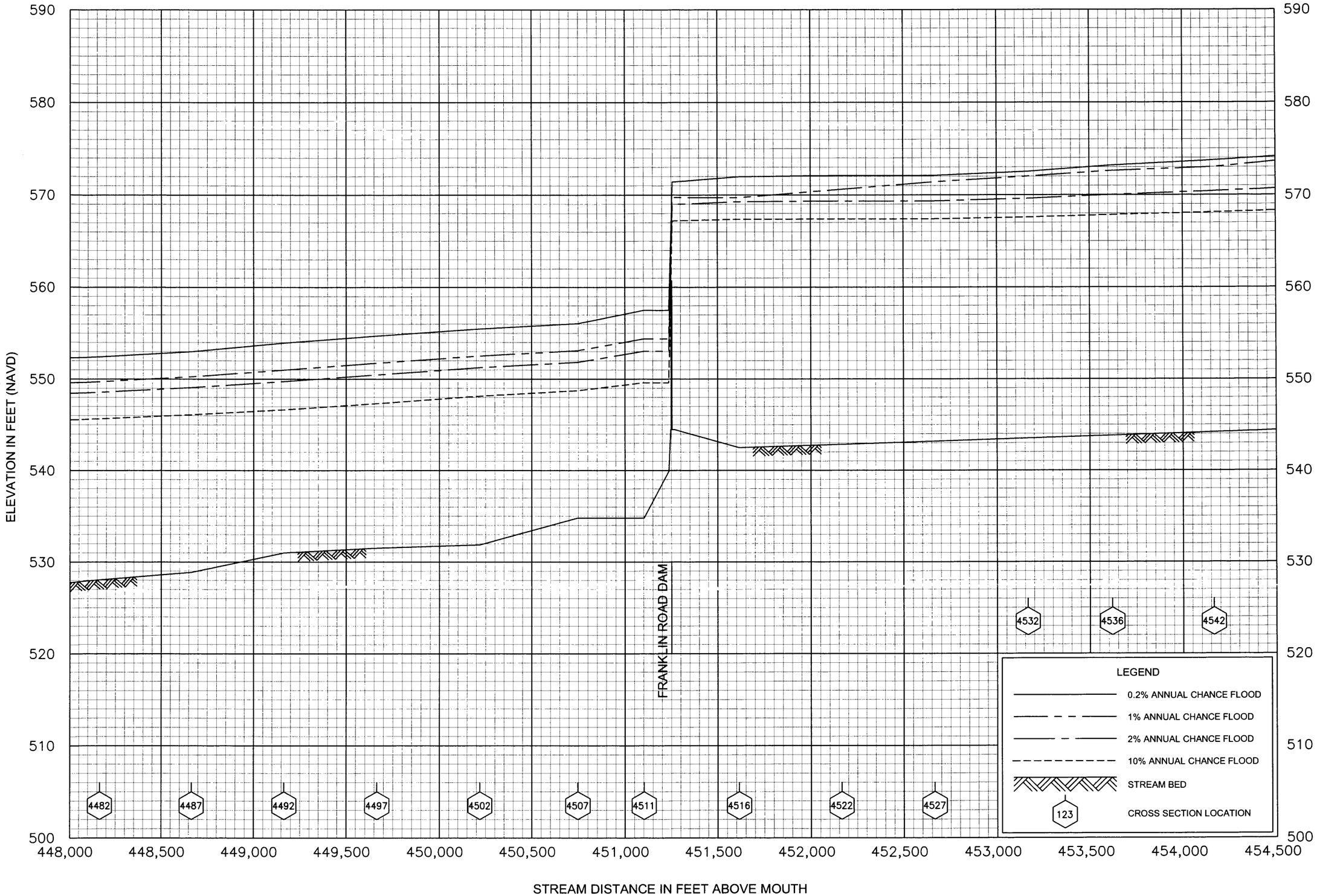

FLOOD PROFILES

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RANDOLPH COUNTY, NC
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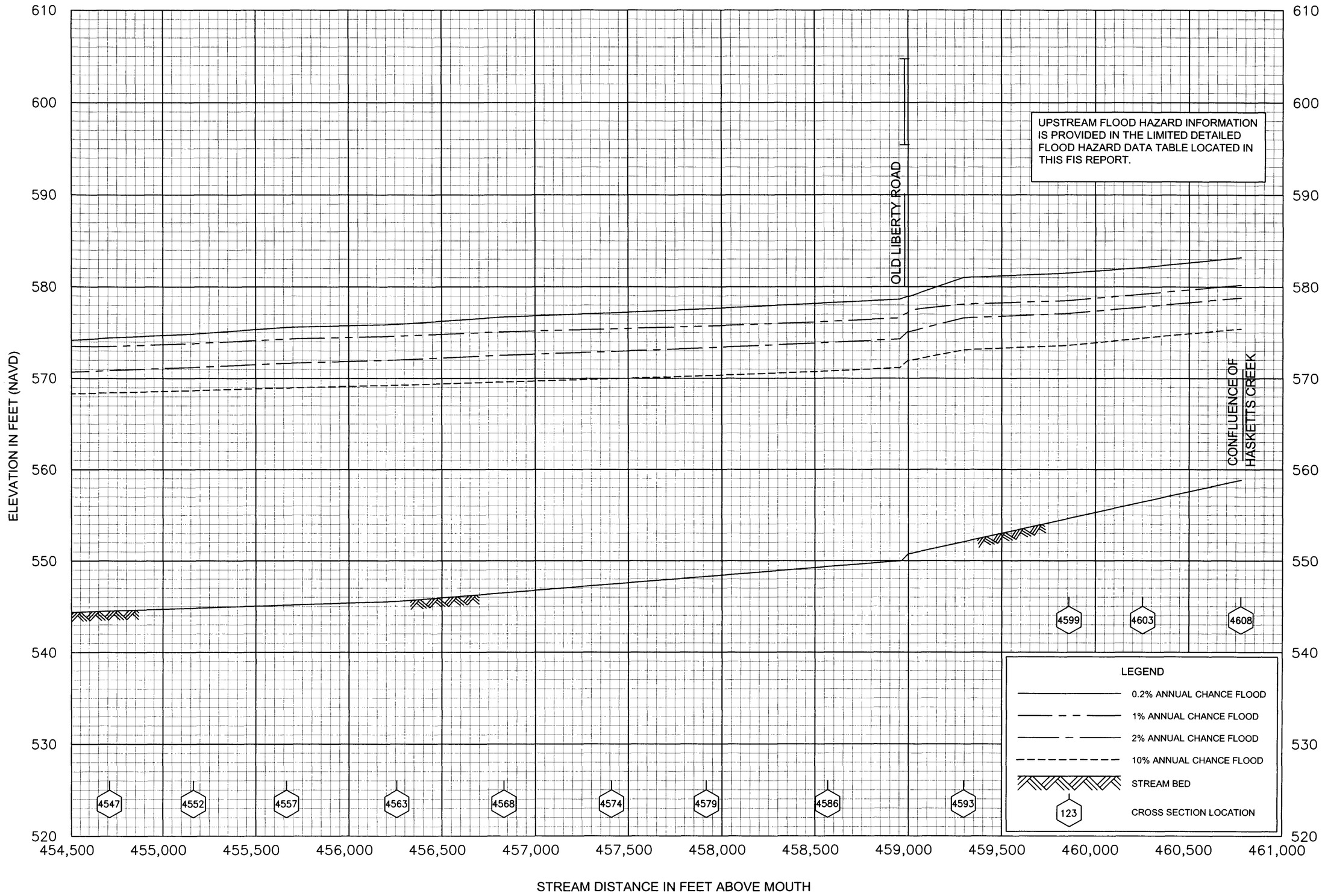
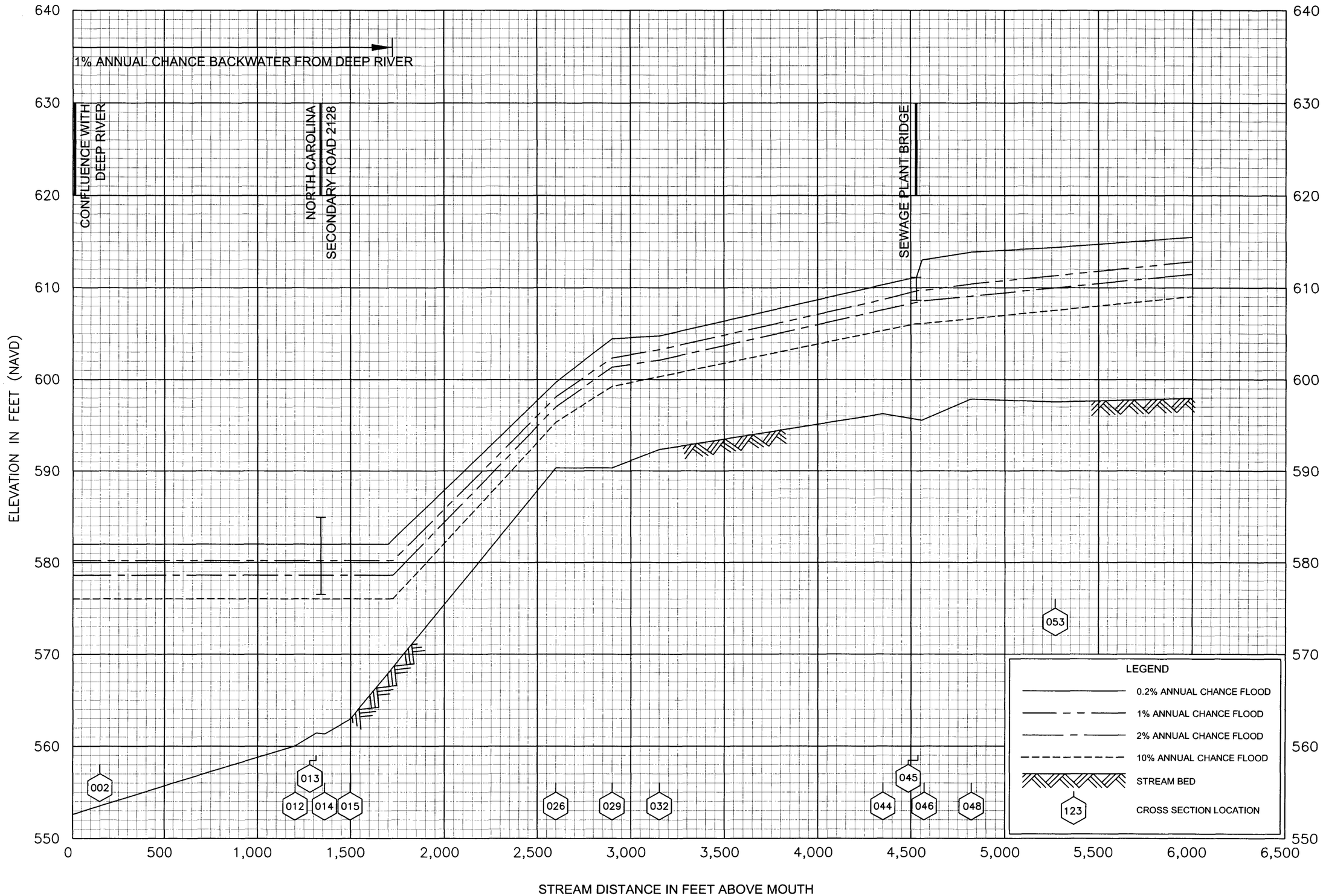


FLOOD PROFILES

DEEP RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH CO, NC
AND INCORPORATED AREAS

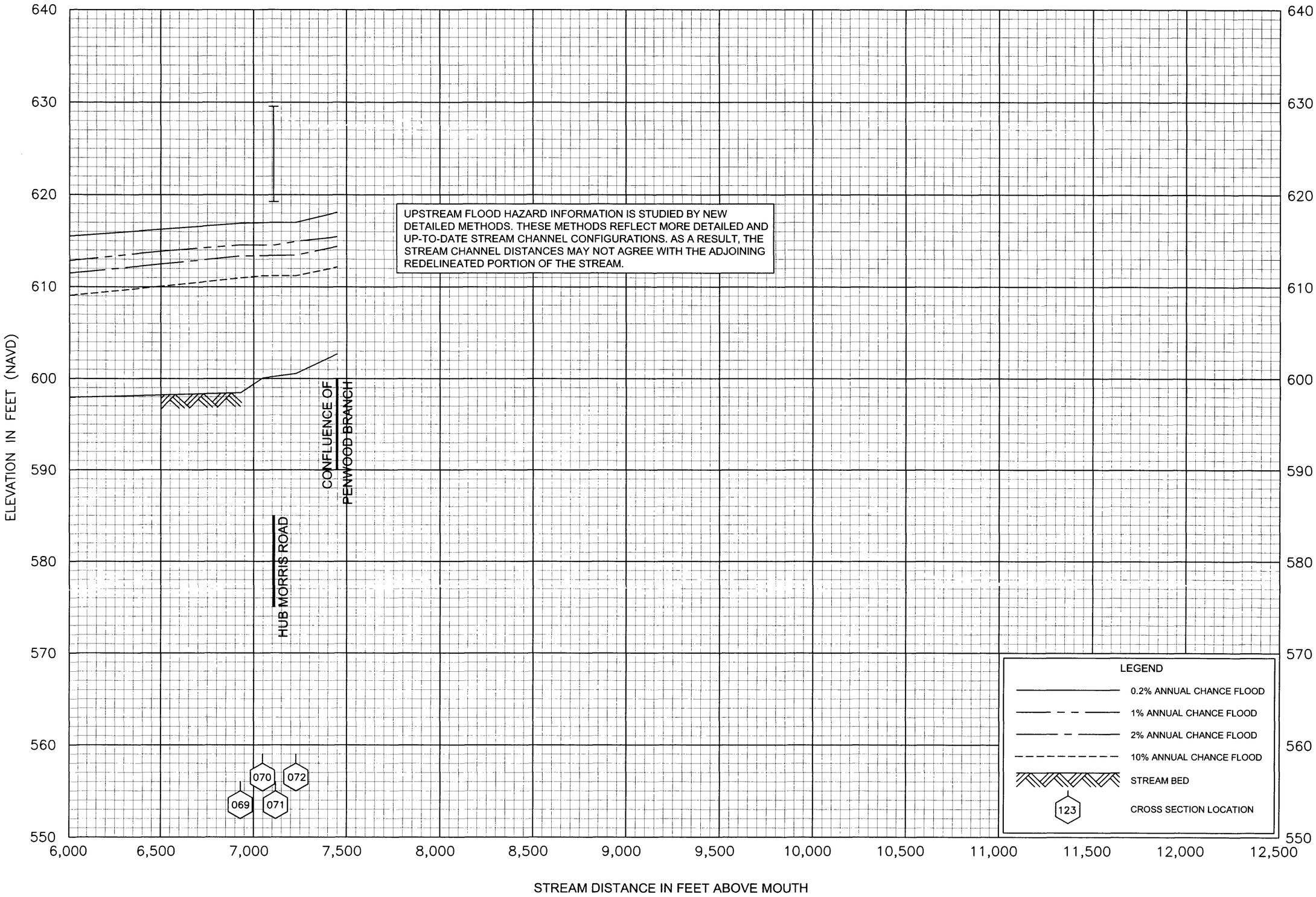


FLOOD PROFILES

HASKETTS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

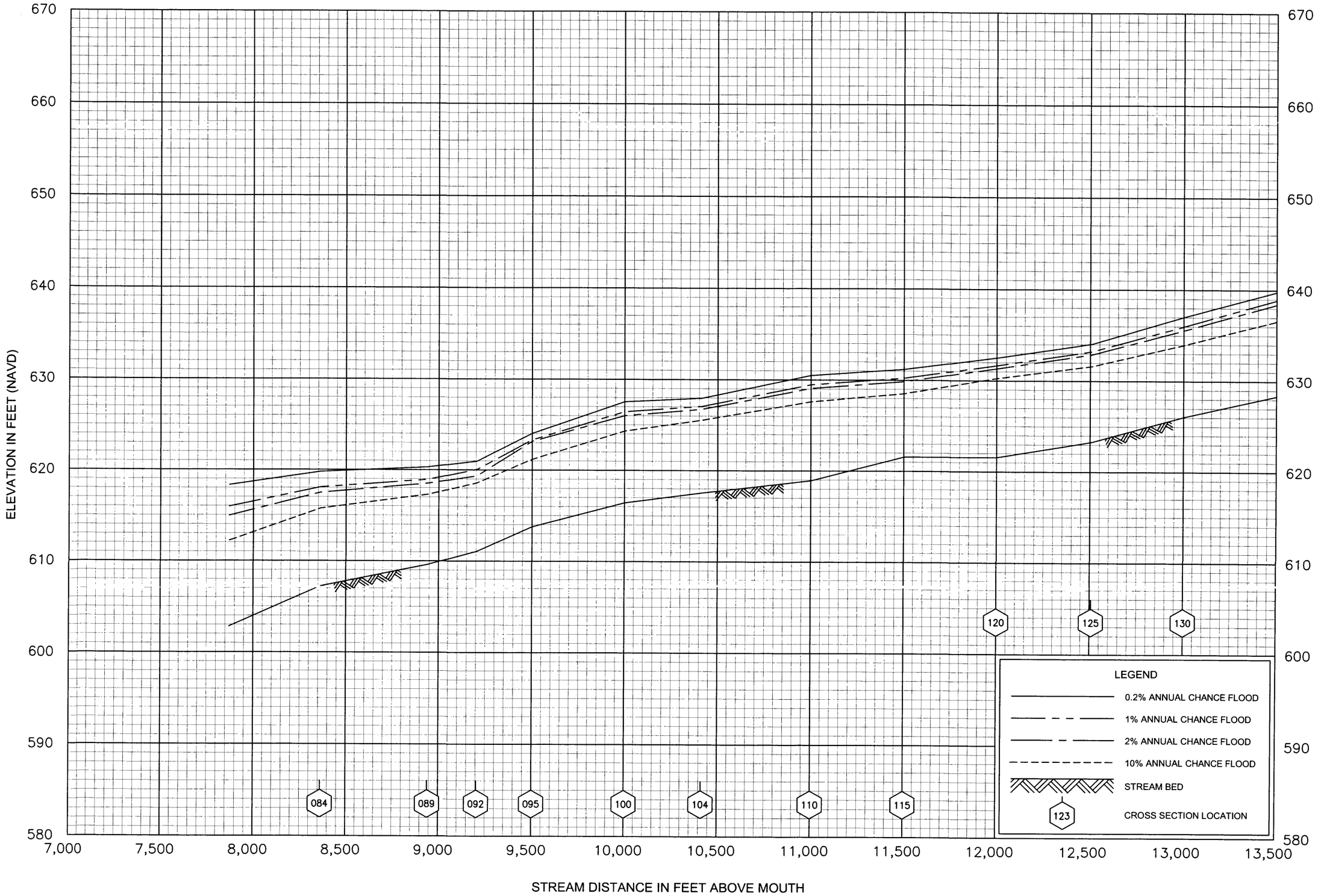


FLOOD PROFILES

HASKETTS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS



FLOOD PROFILES

HASKETTS CREEK

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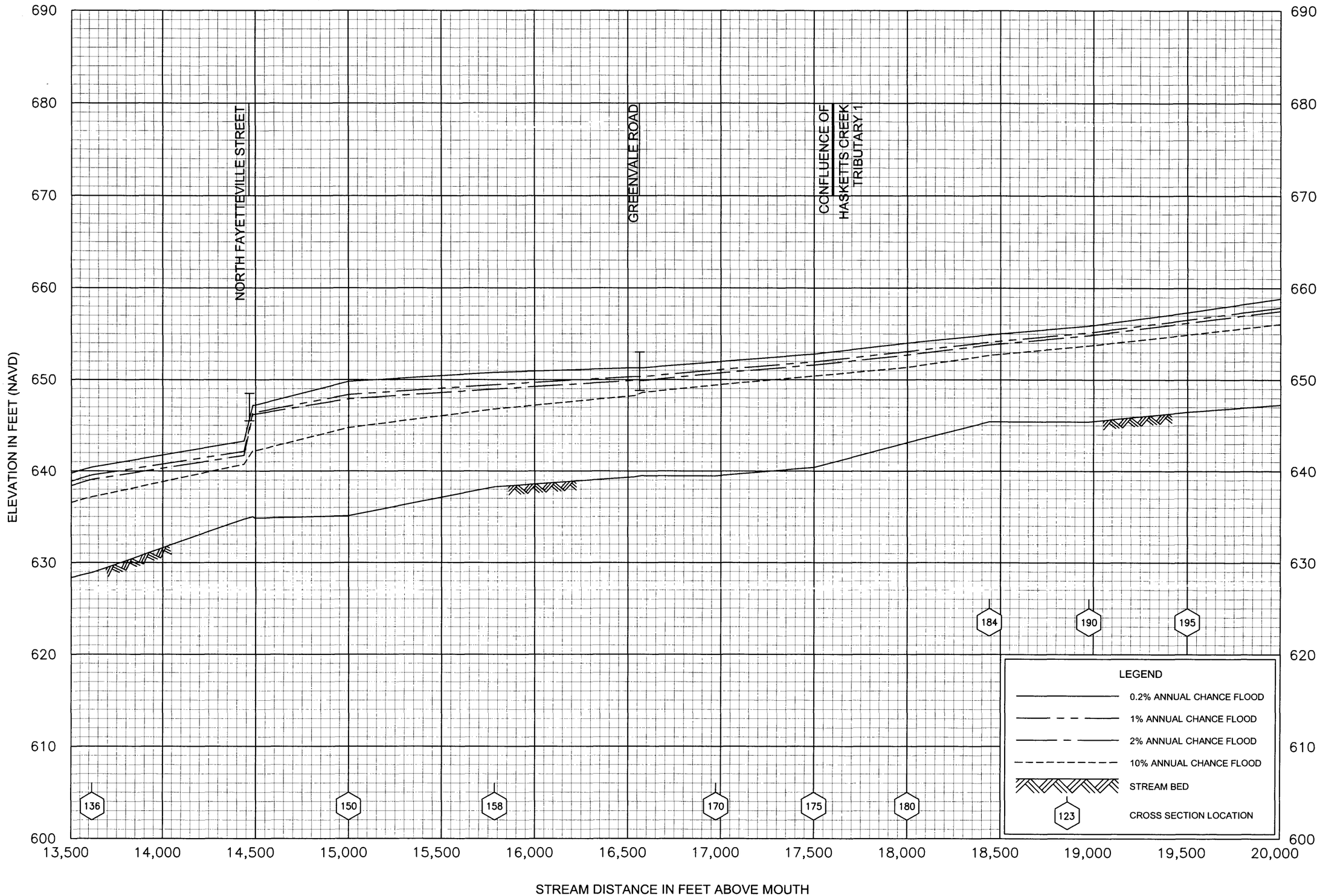
RANDOLPH COUNTY, NC
AND INCORPORATED AREAS



FLOOD PROFILES

HASKETTS CREEK

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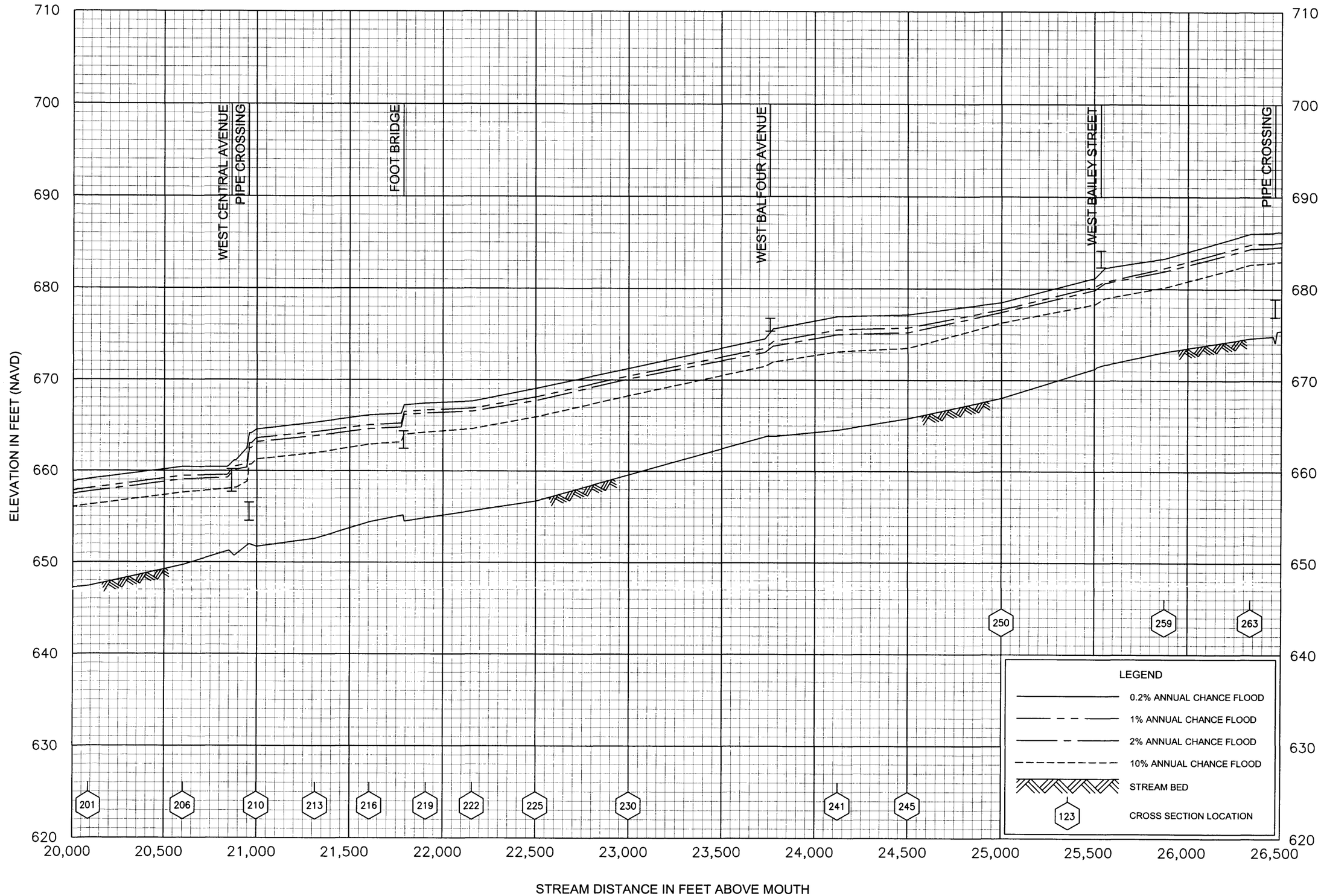
RANDOLPH COUNTY, NC
AND INCORPORATED AREAS



FLOOD PROFILES

HASKETTS CREEK

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RANDOLPH COUNTY, NC
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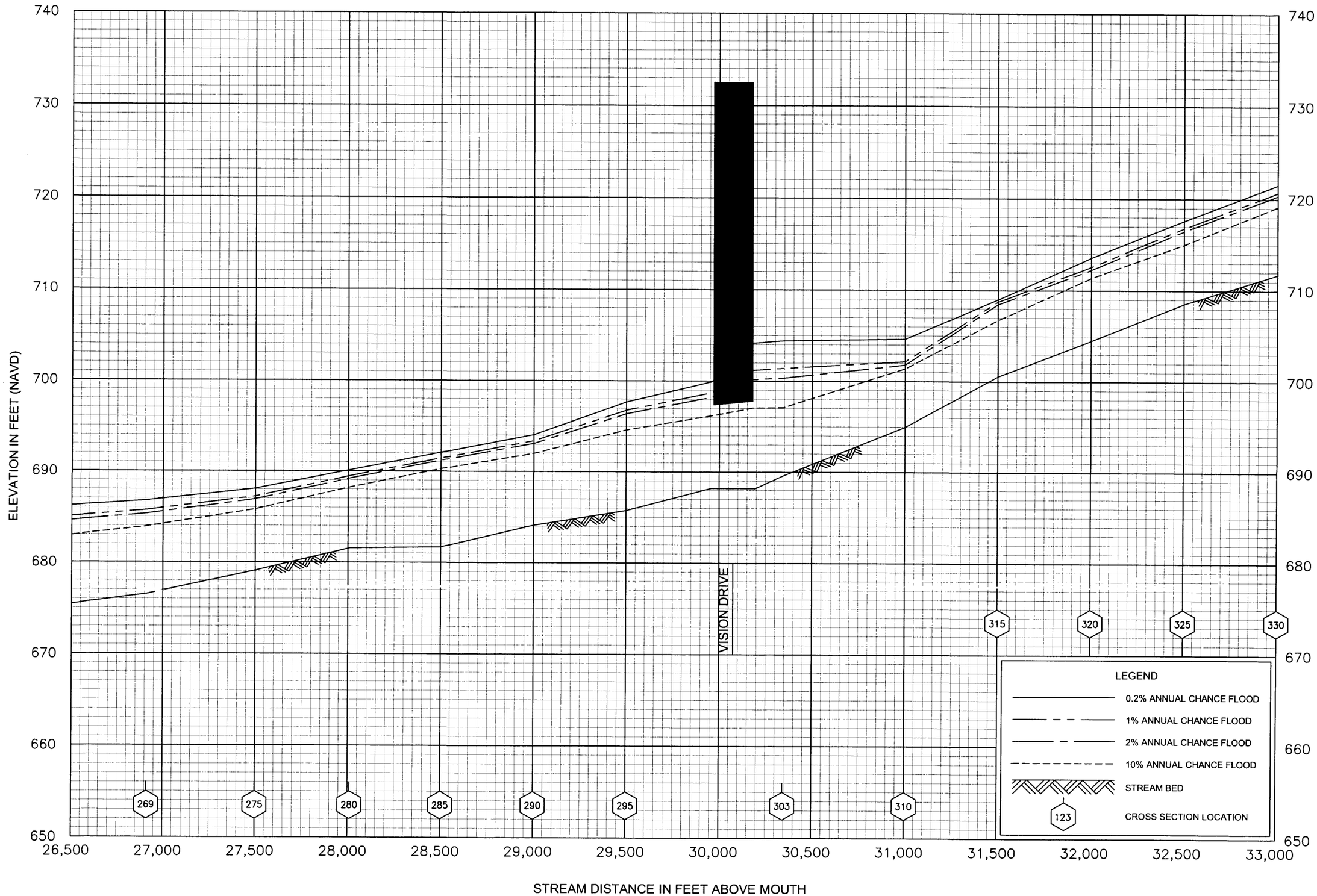
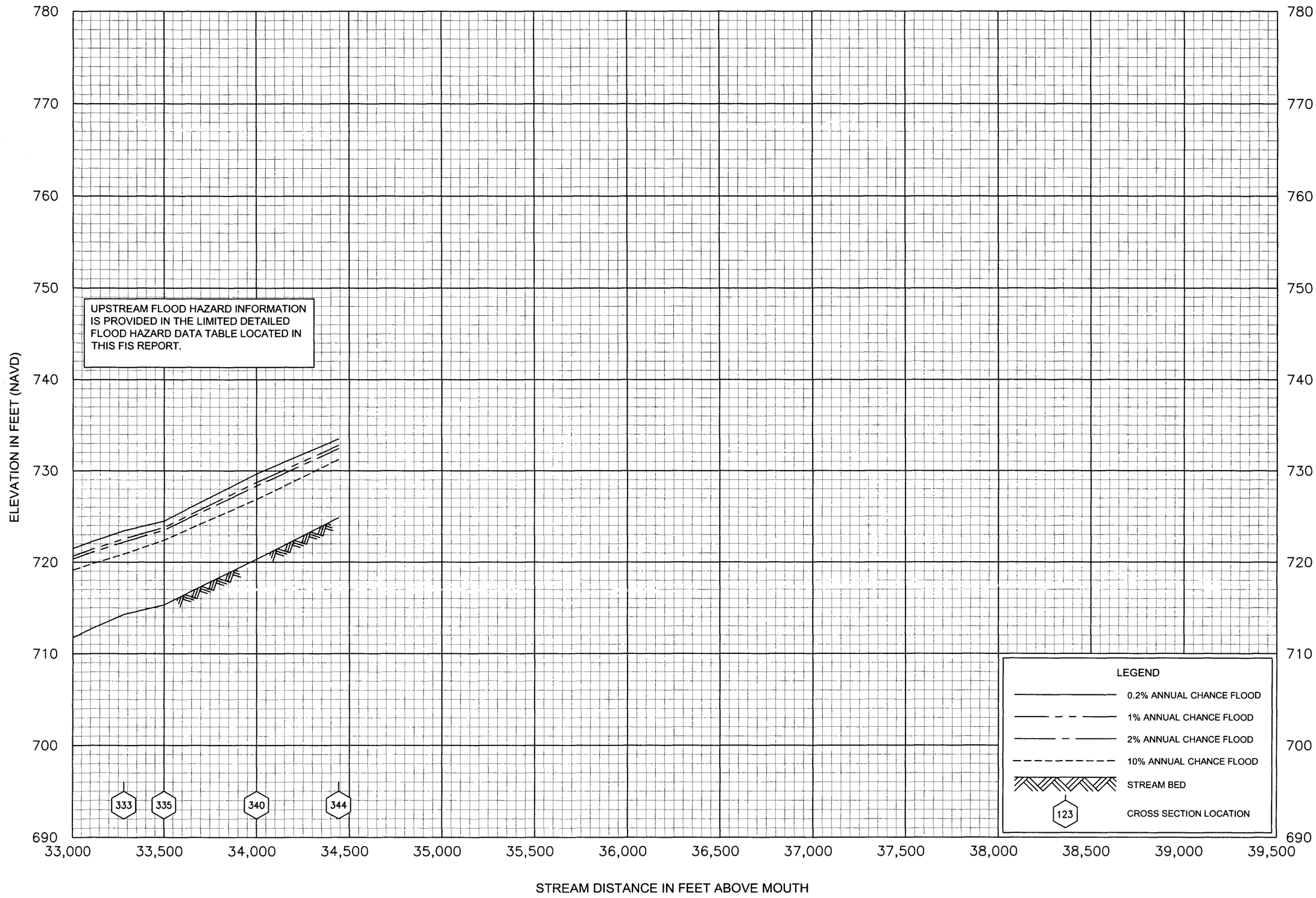


FLOOD PROFILES

HASKETTS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

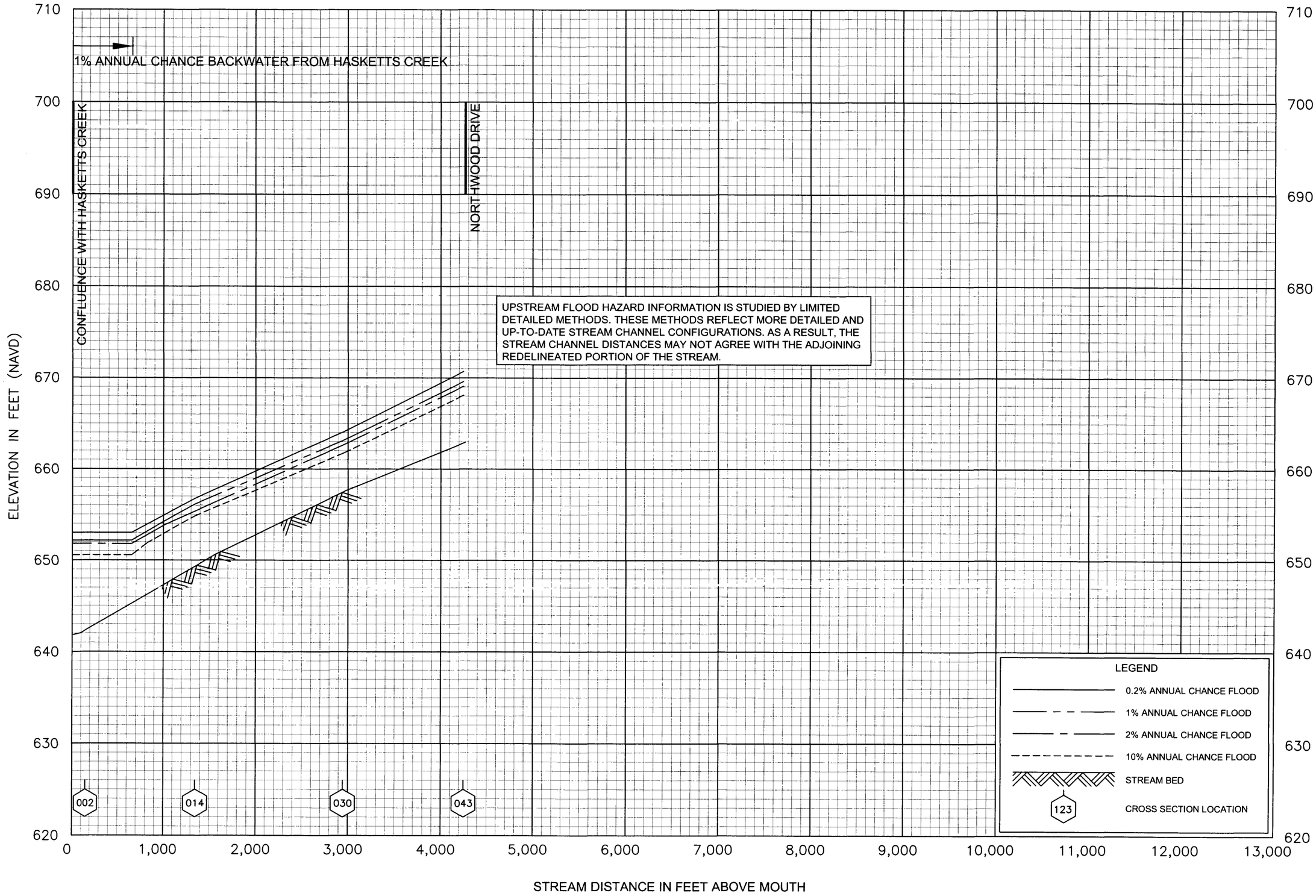


FLOOD PROFILES

HASKETTS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

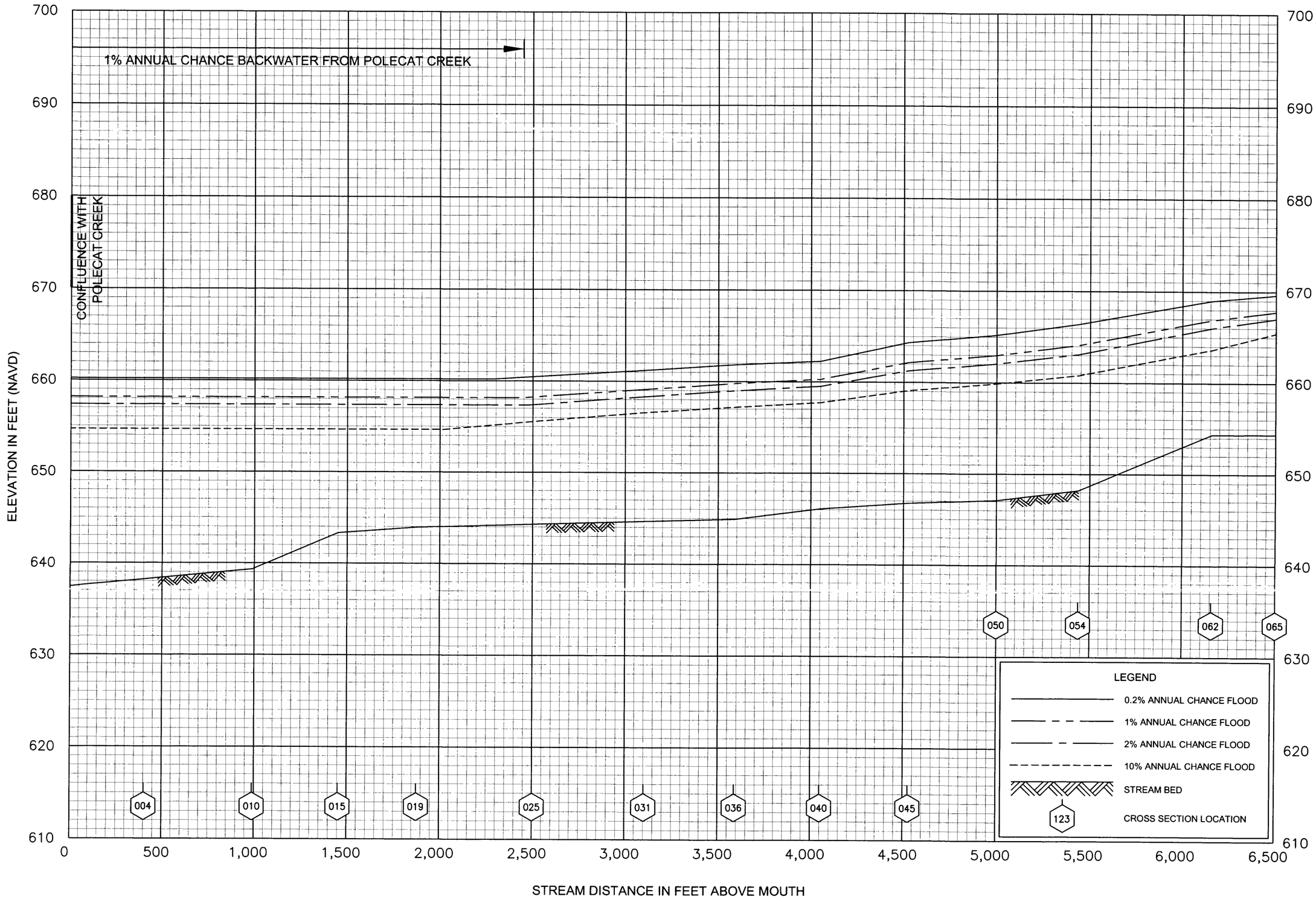


FLOOD PROFILES

HASKETTS CREEK TRIBUTARY 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

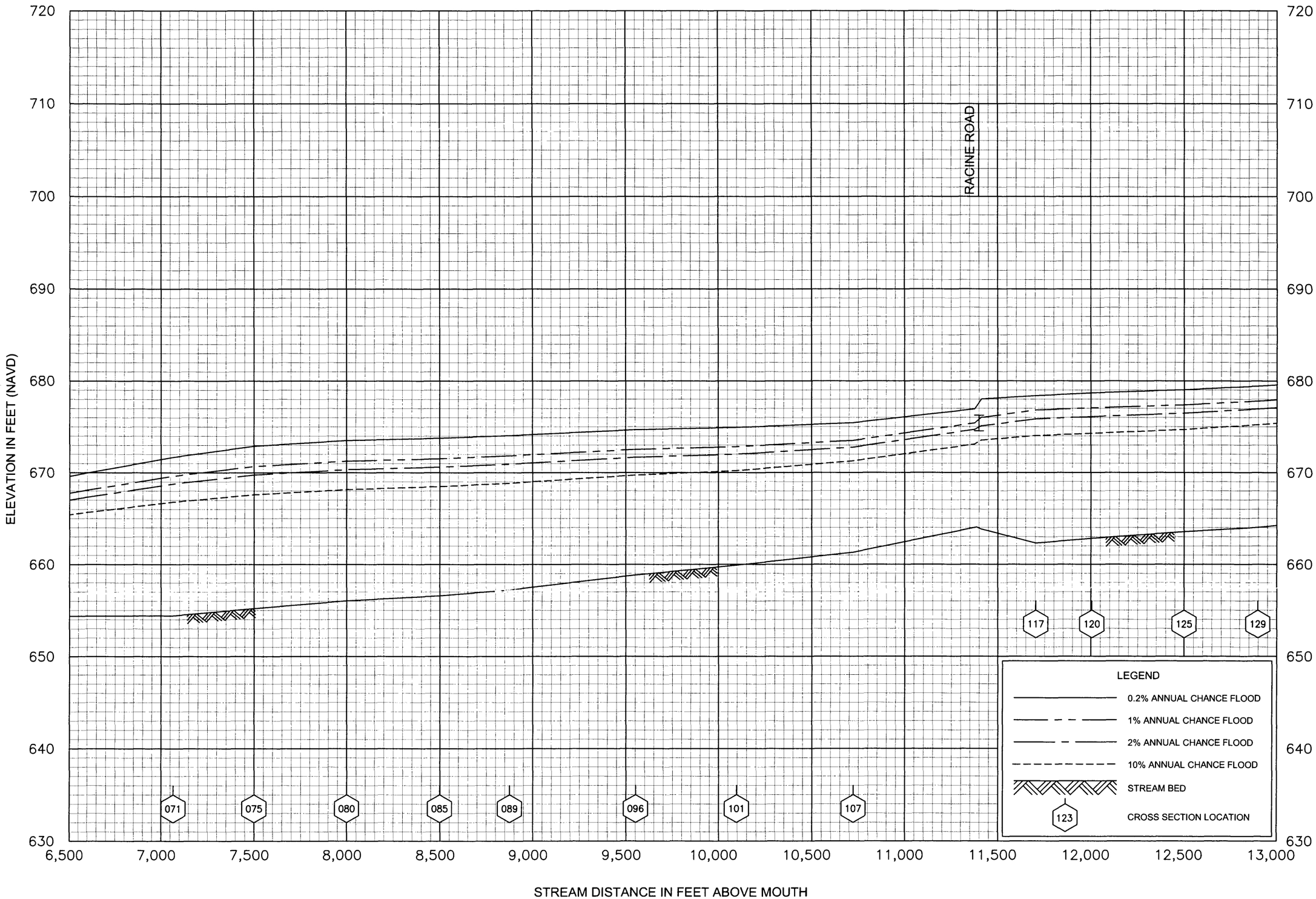


FLOOD PROFILES

LITTLE POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

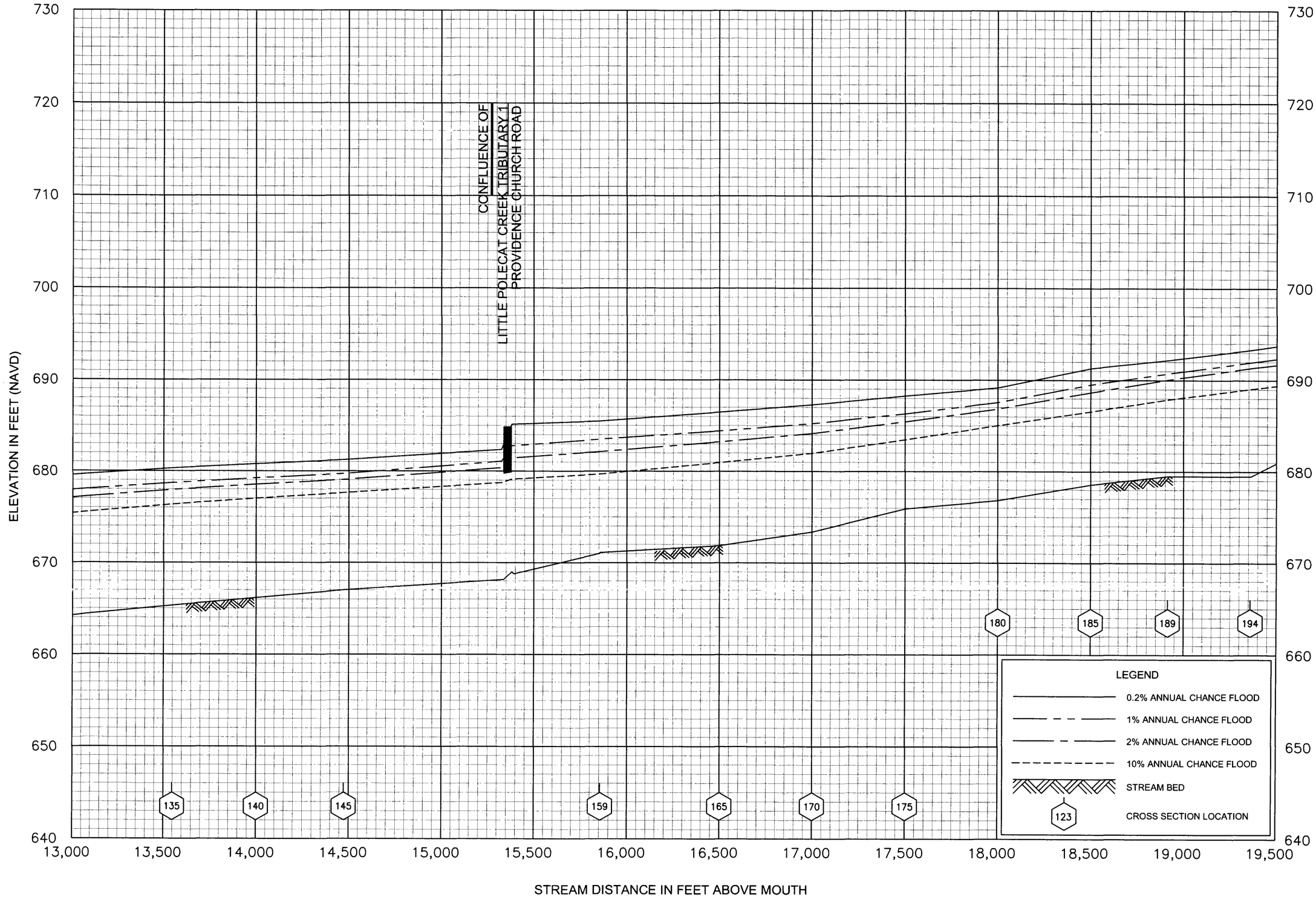


FLOOD PROFILES

LITTLE POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

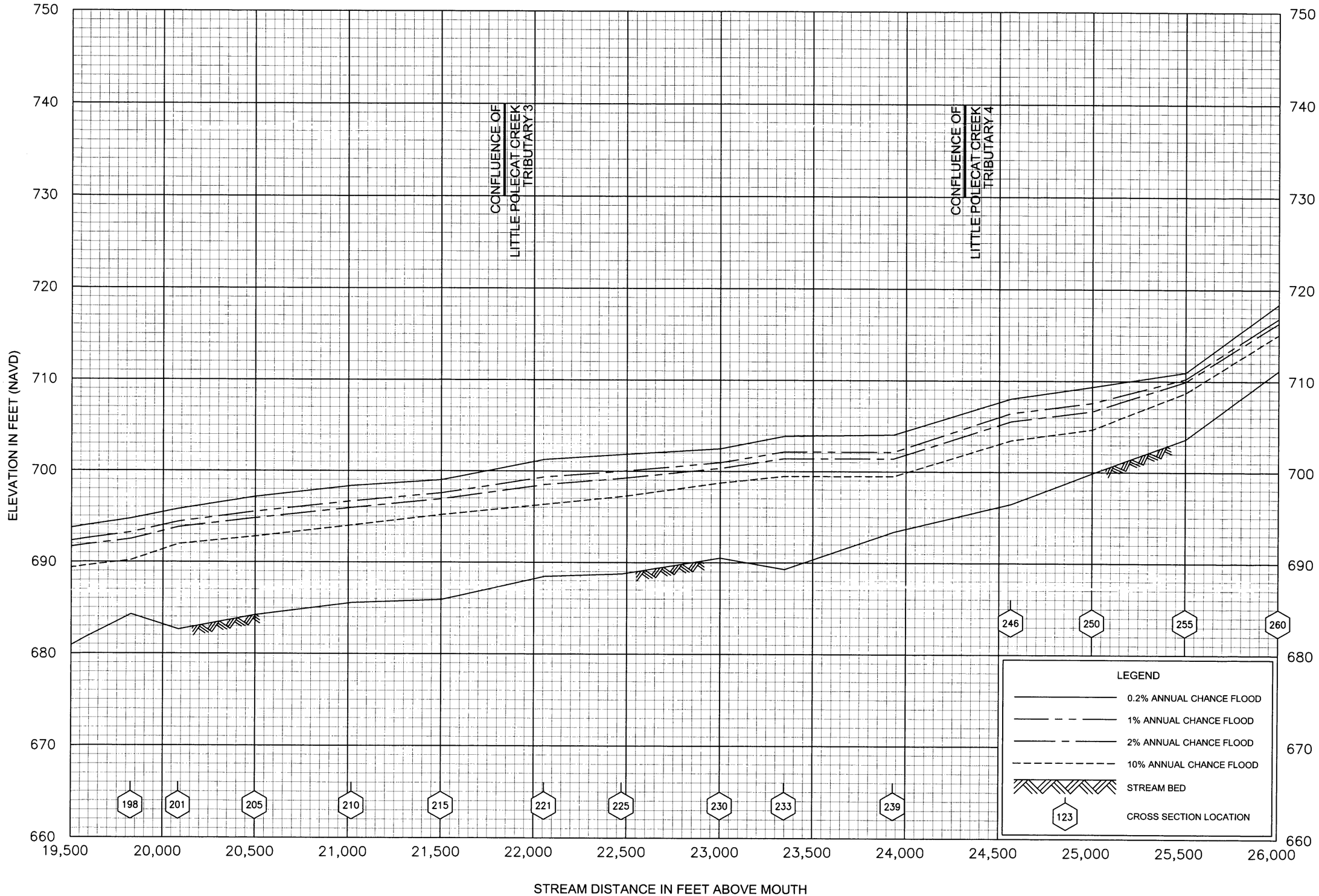


FLOOD PROFILES

LITTLE POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

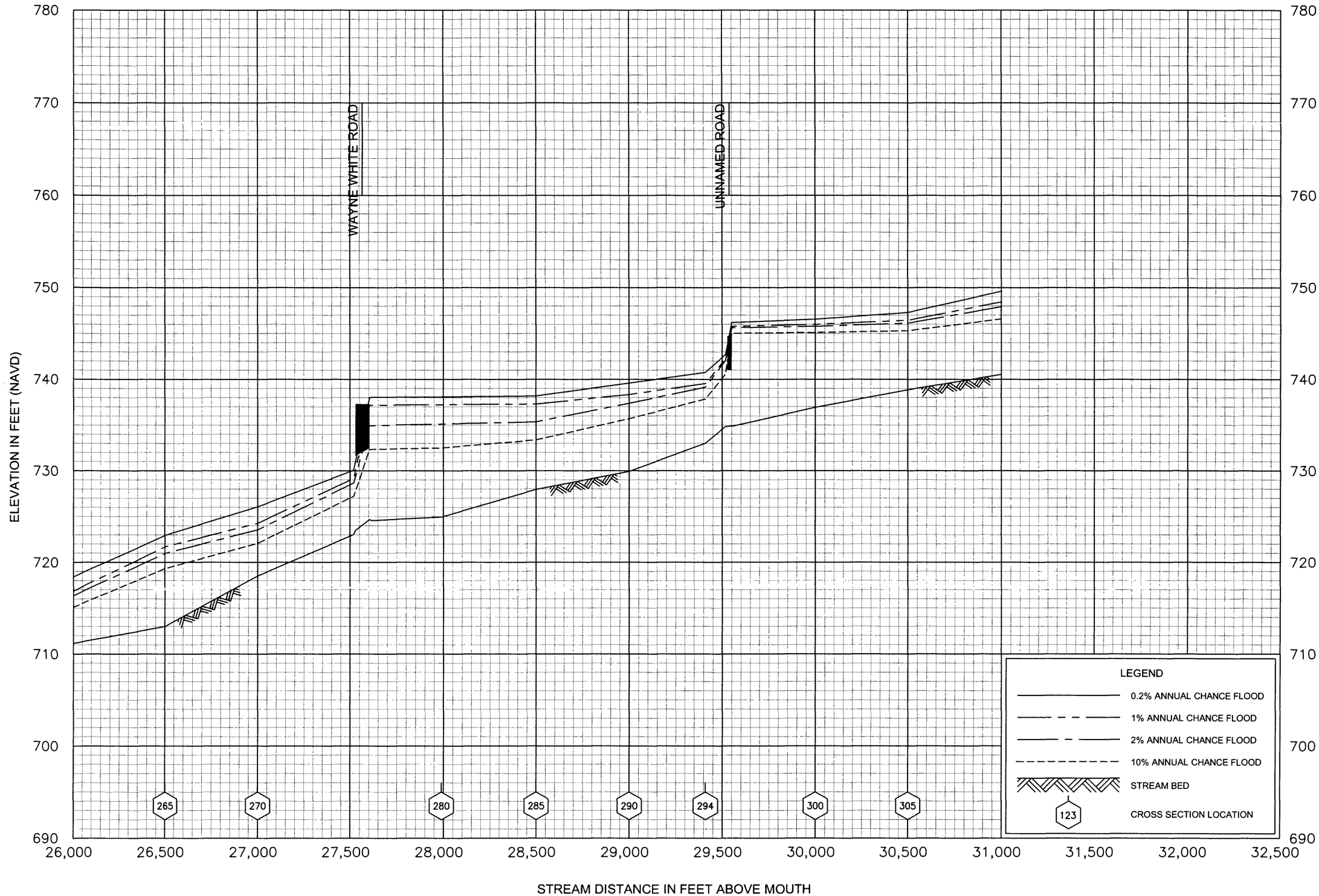


FLOOD PROFILES

LITTLE POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

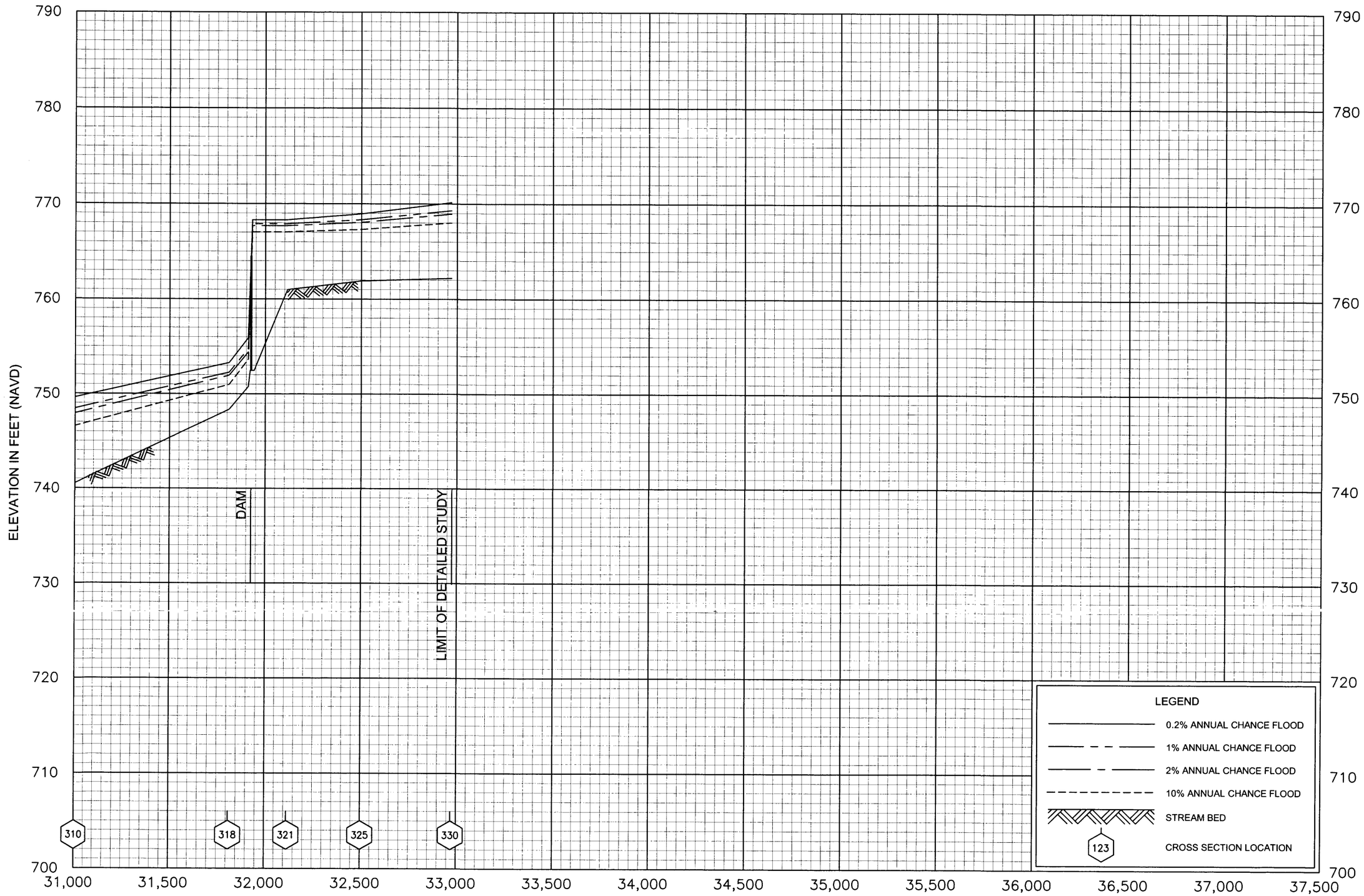


FLOOD PROFILES

LITTLE POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

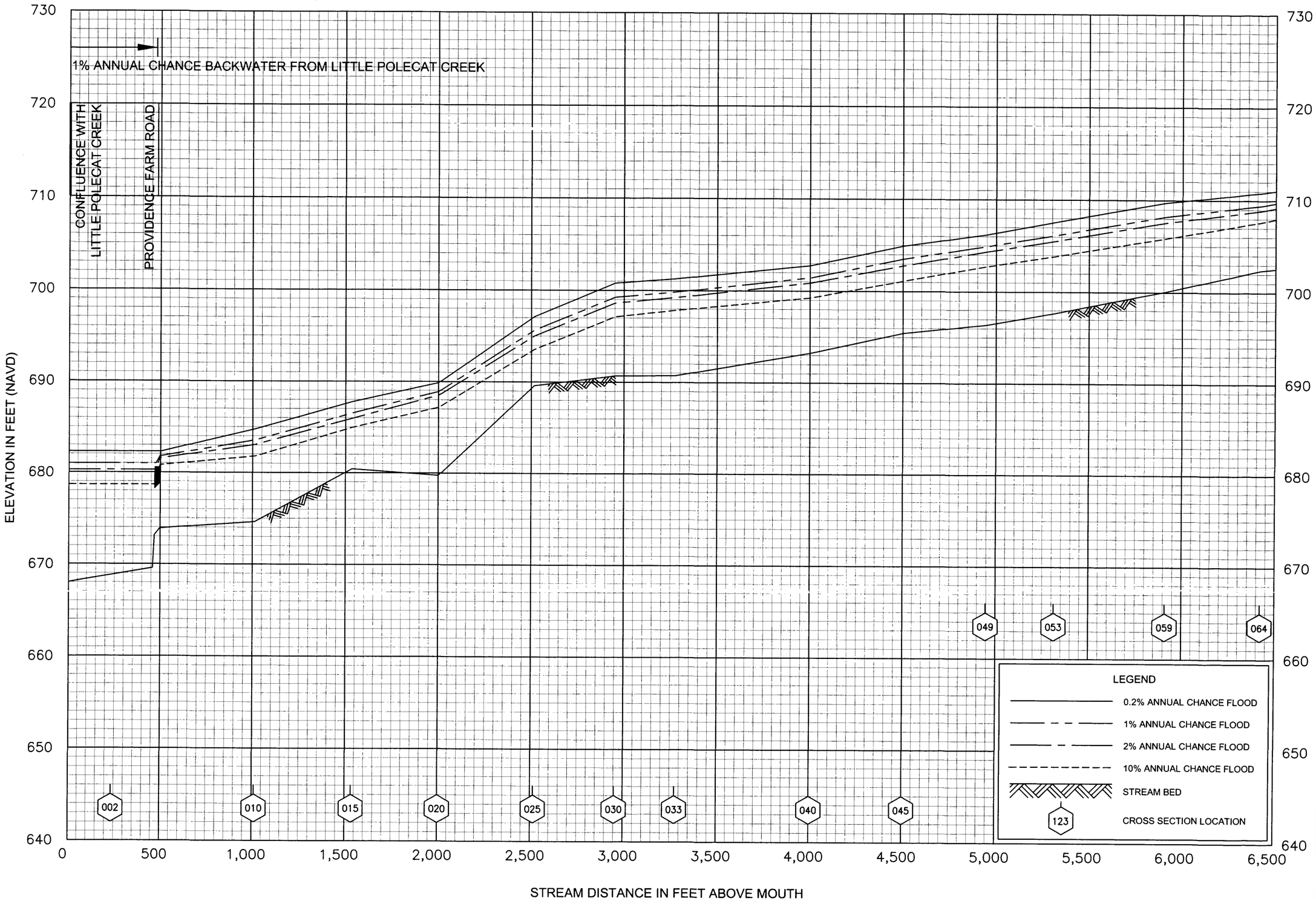


FLOOD PROFILES

LITTLE POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

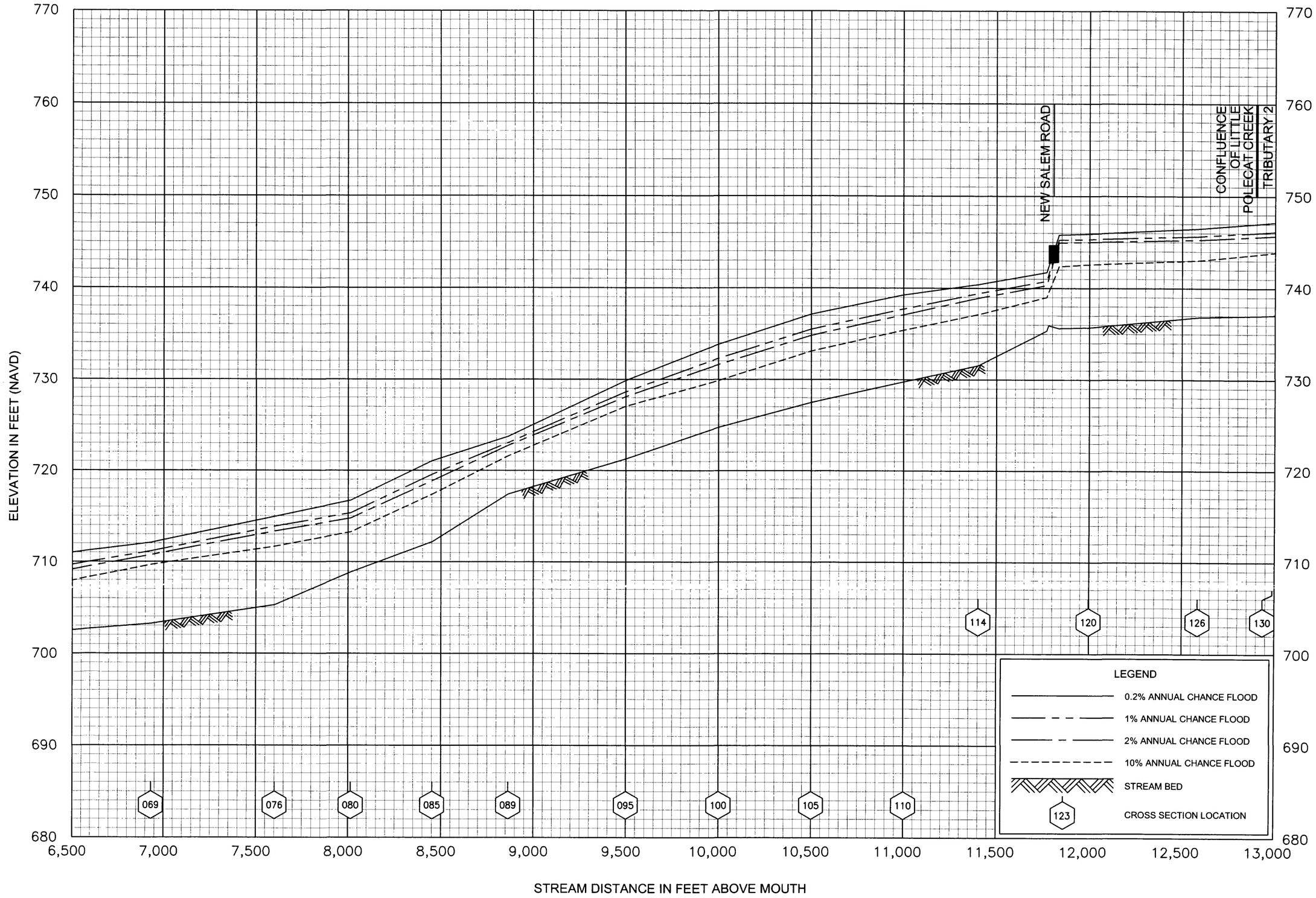


FLOOD PROFILES

LITTLE POLECAT CREEK TRIBUTARY 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

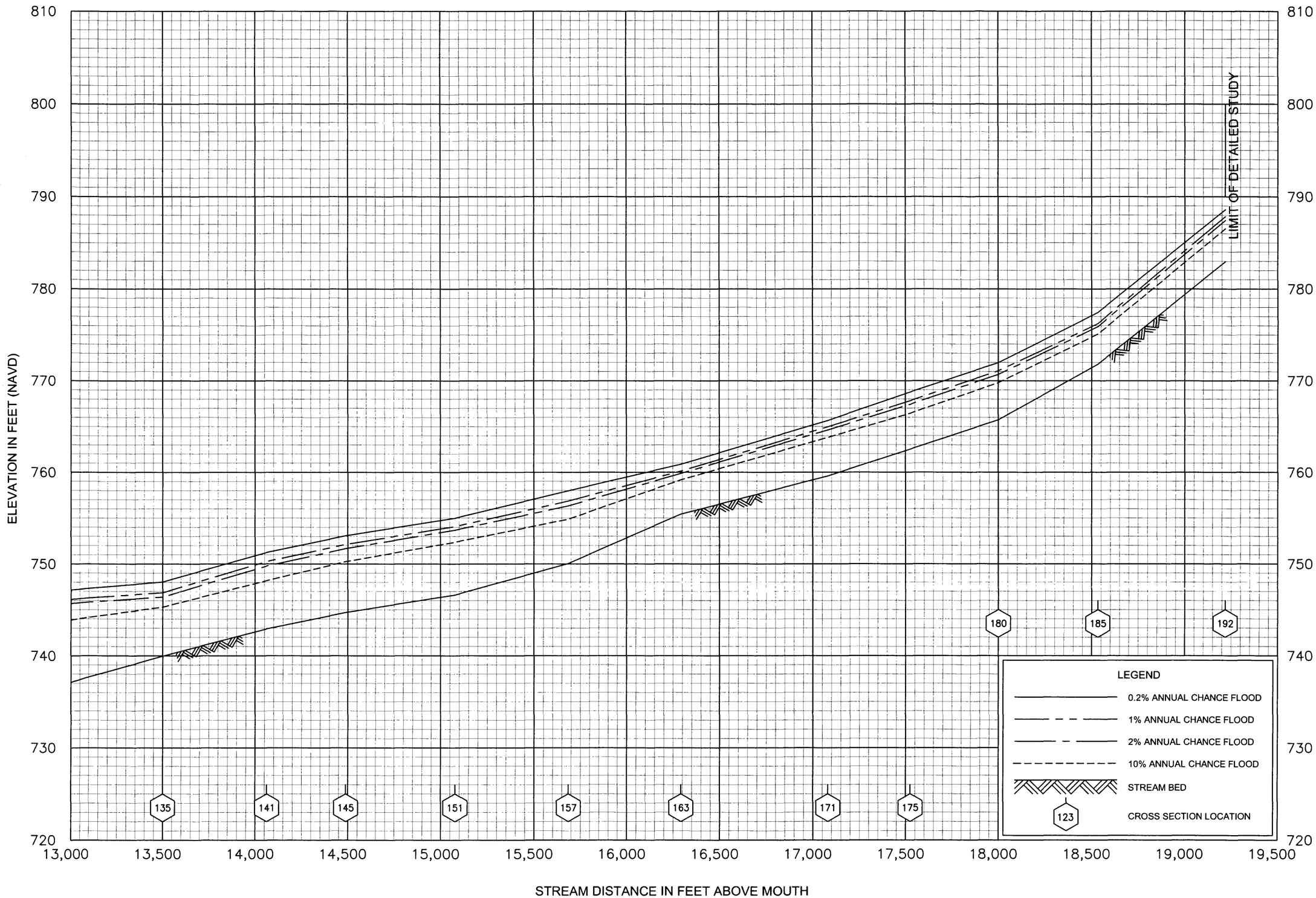


FLOOD PROFILES

LITTLE POLECAT CREEK TRIBUTARY 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

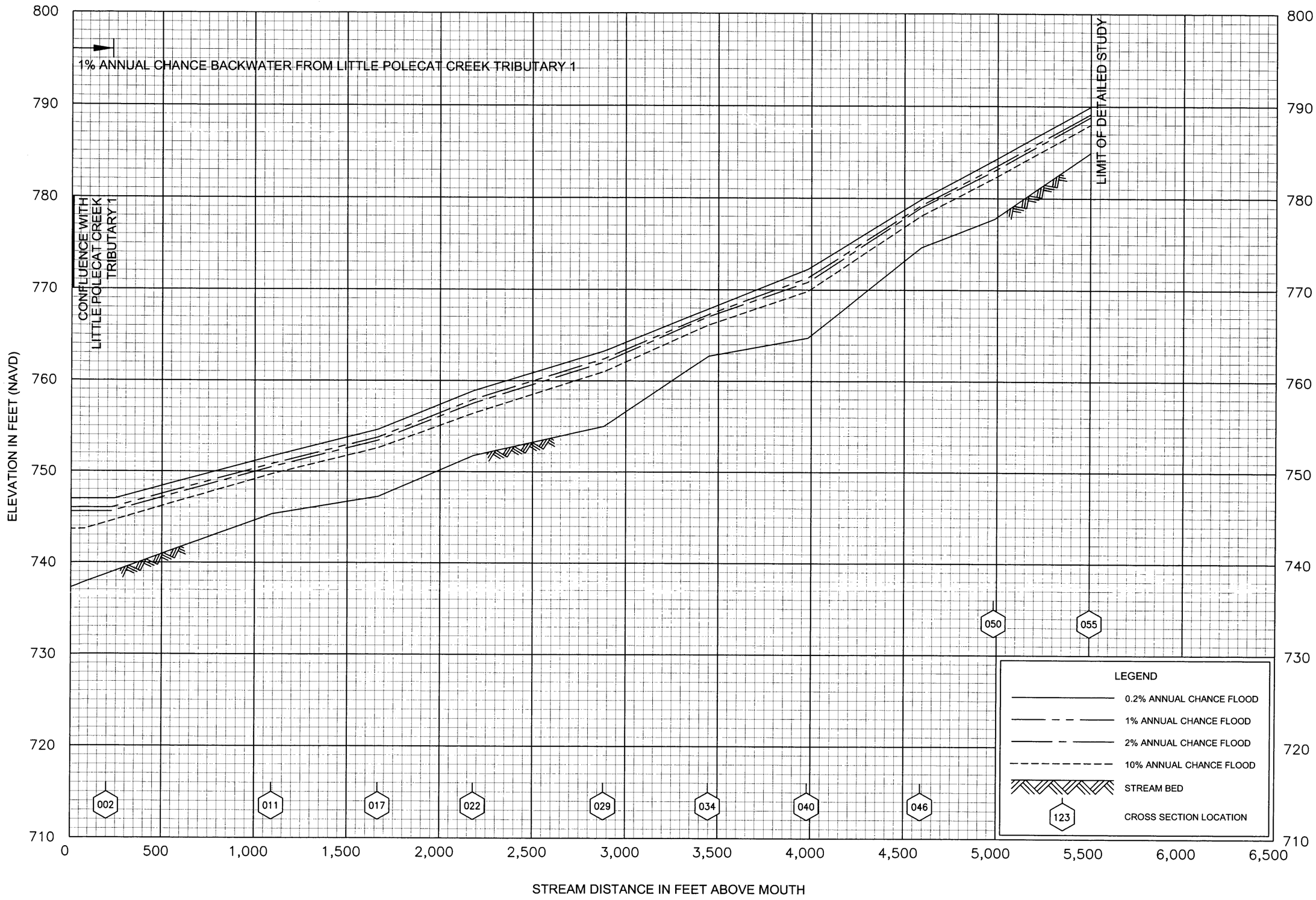


FLOOD PROFILES

LITTLE POLECAT CREEK TRIBUTARY 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

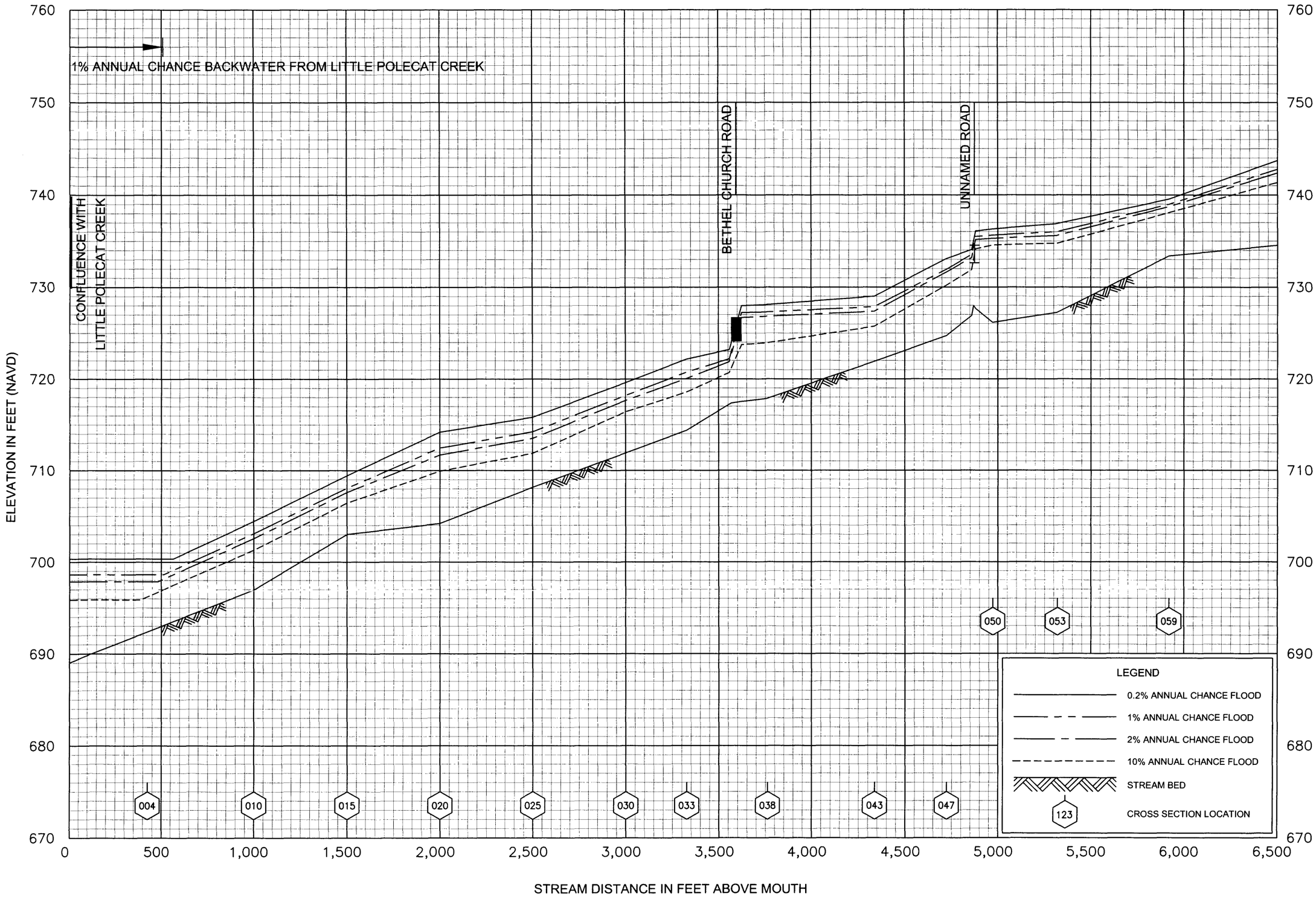


FLOOD PROFILES

LITTLE POLECAT CREEK TRIBUTARY 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

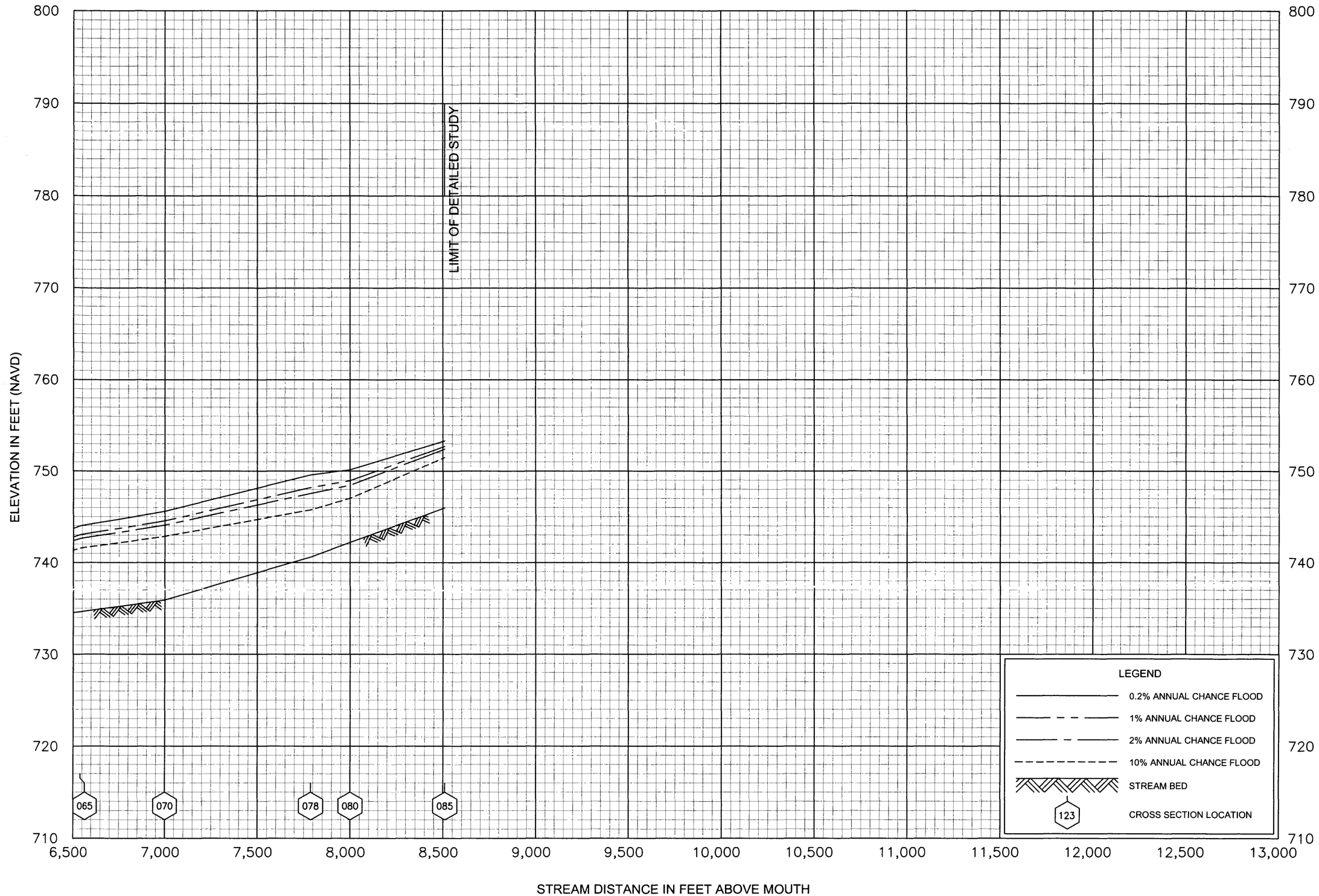


FLOOD PROFILES

LITTLE POLECAT CREEK TRIBUTARY 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

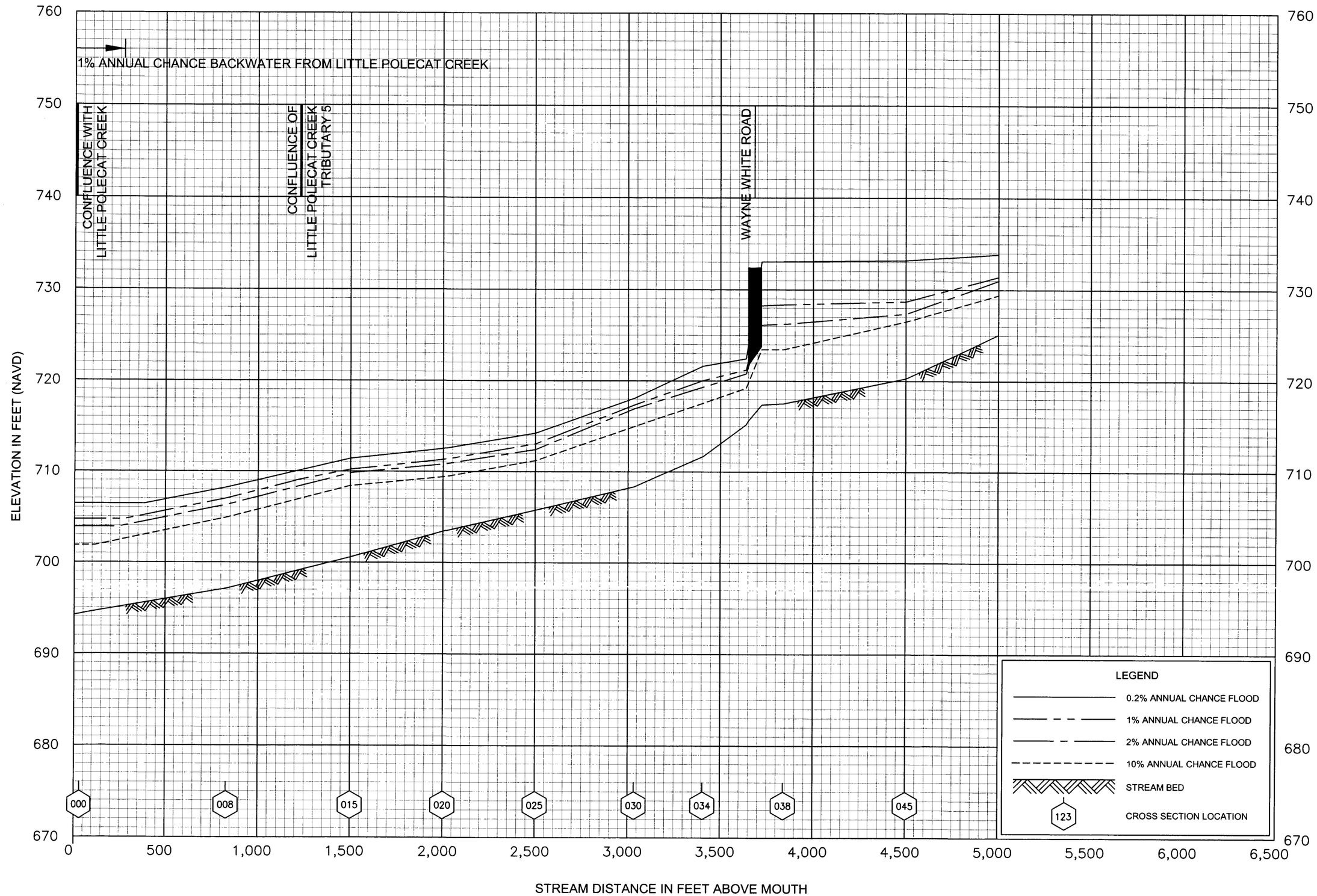


FLOOD PROFILES

LITTLE POLECAT CREEK TRIBUTARY 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

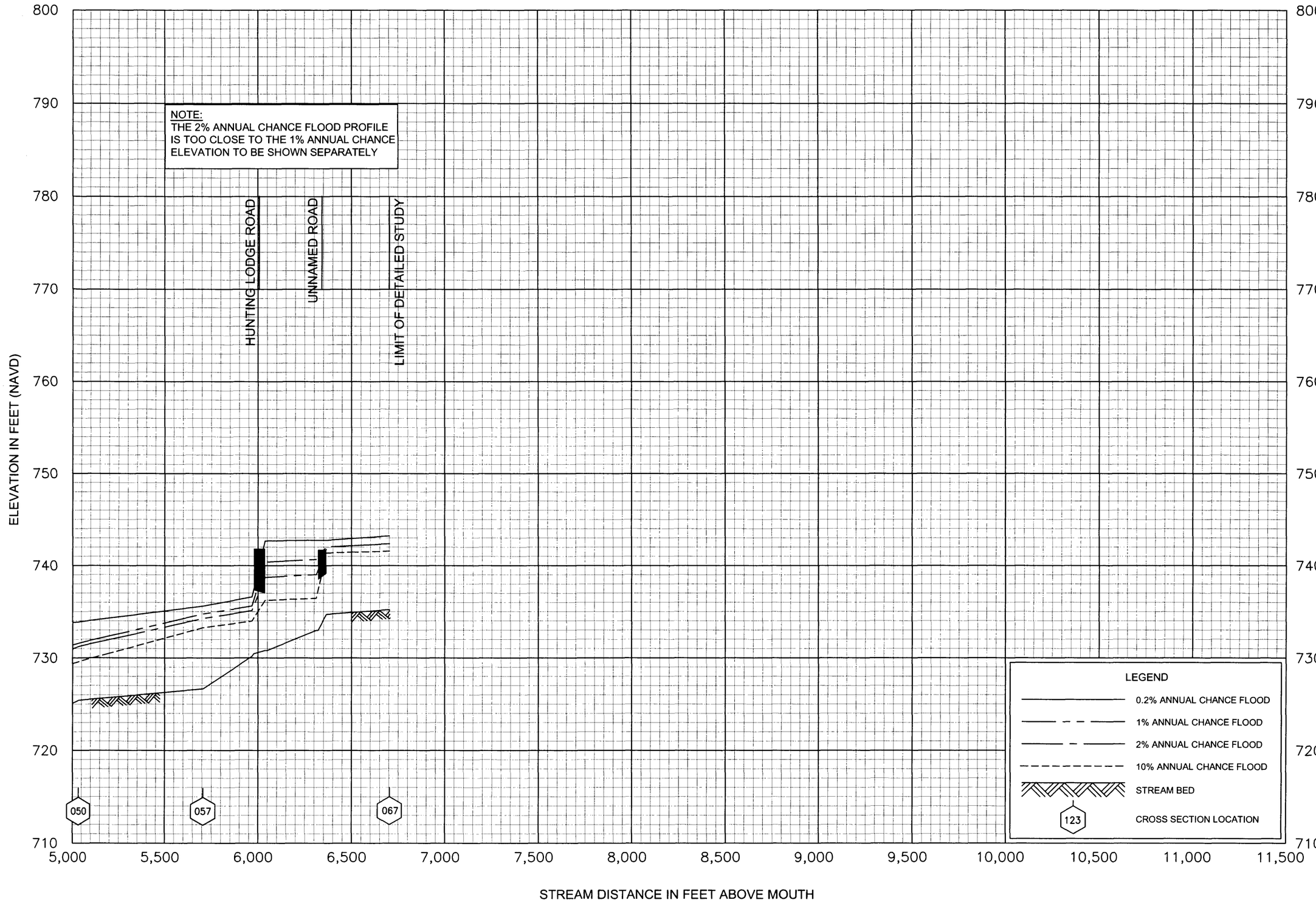


FLOOD PROFILES

LITTLE POLECAT CREEK TRIBUTARY 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

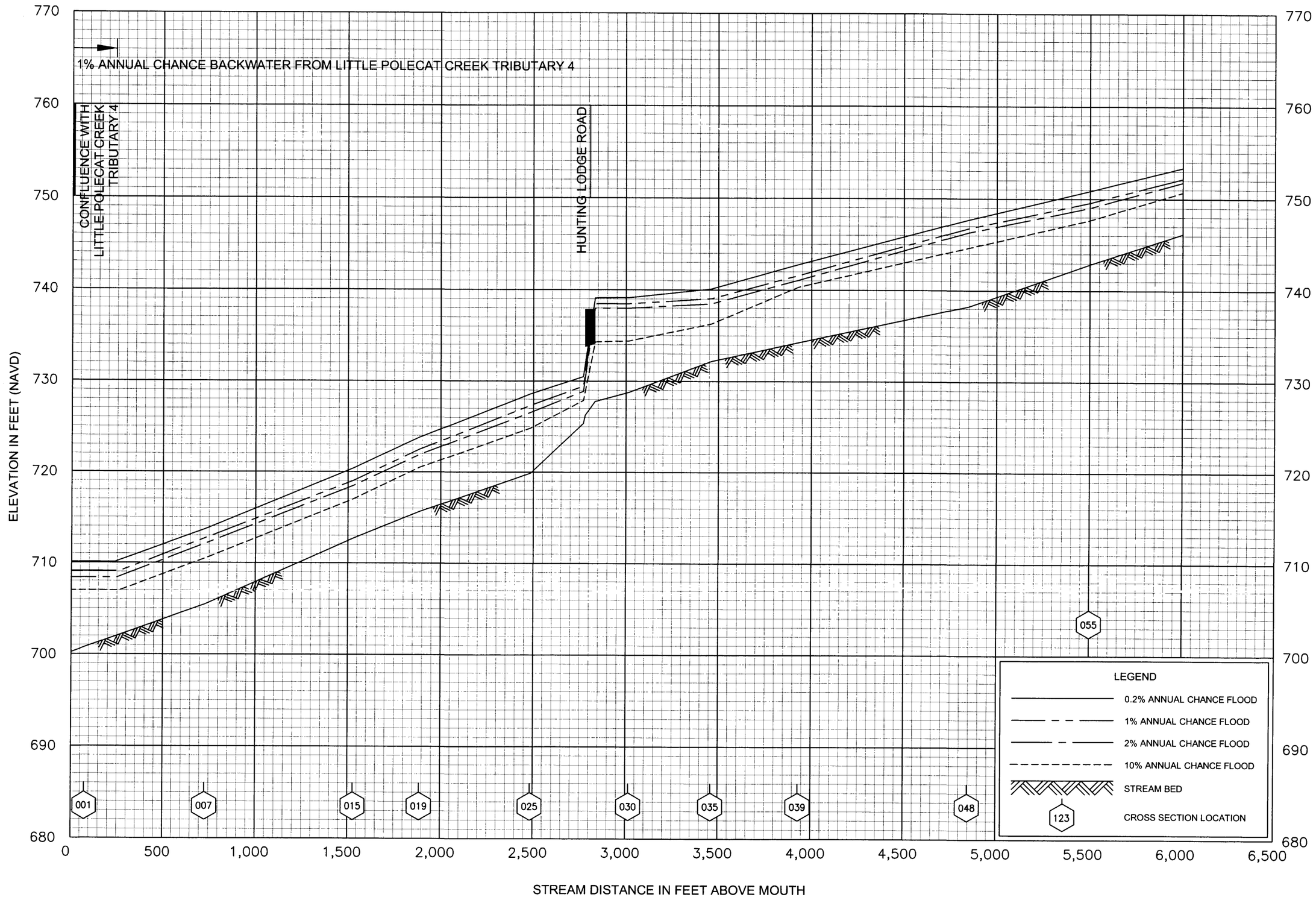


FLOOD PROFILES

LITTLE POLECAT CREEK TRIBUTARY 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

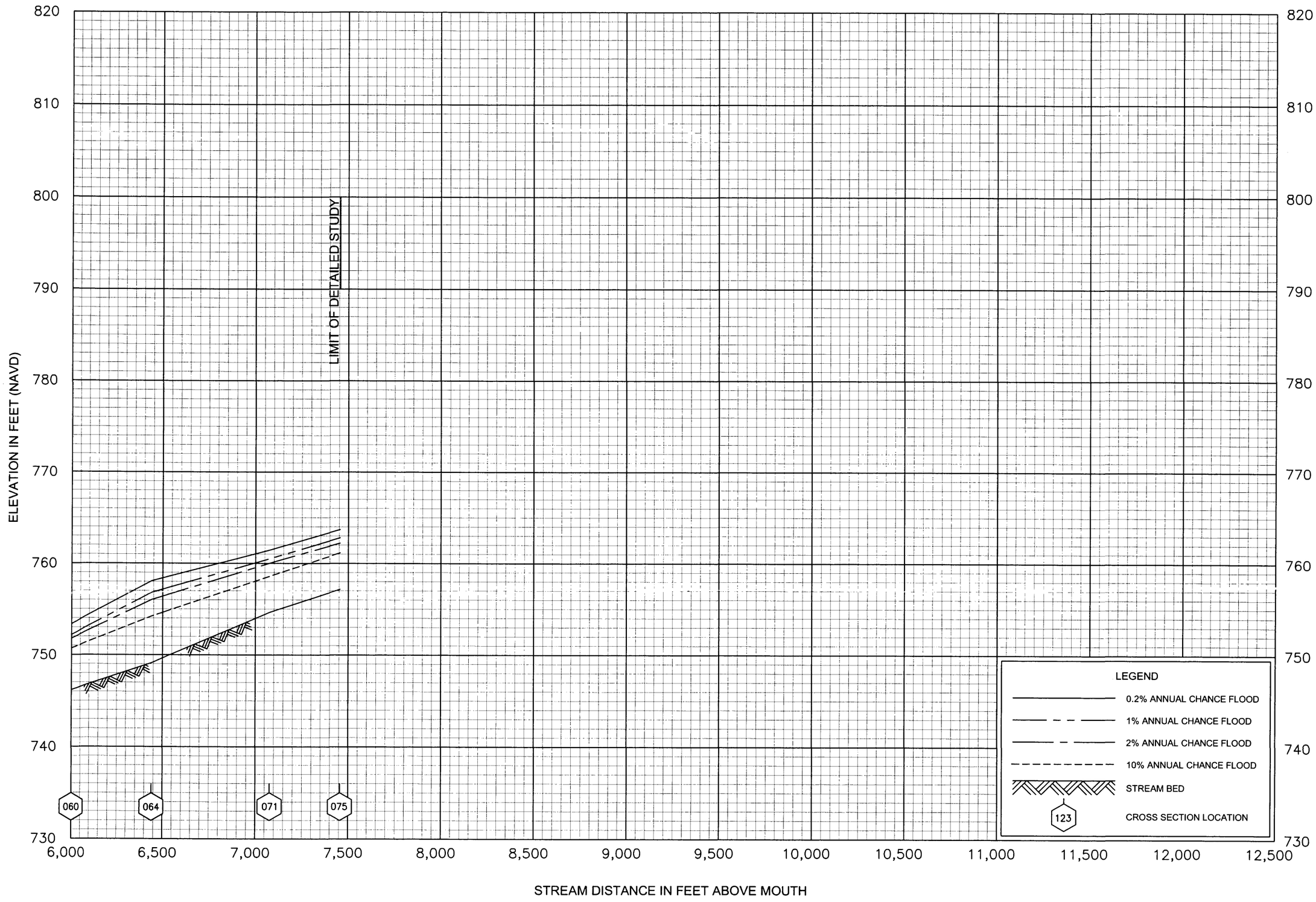


FLOOD PROFILES

LITTLE POLECAT CREEK TRIBUTARY 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

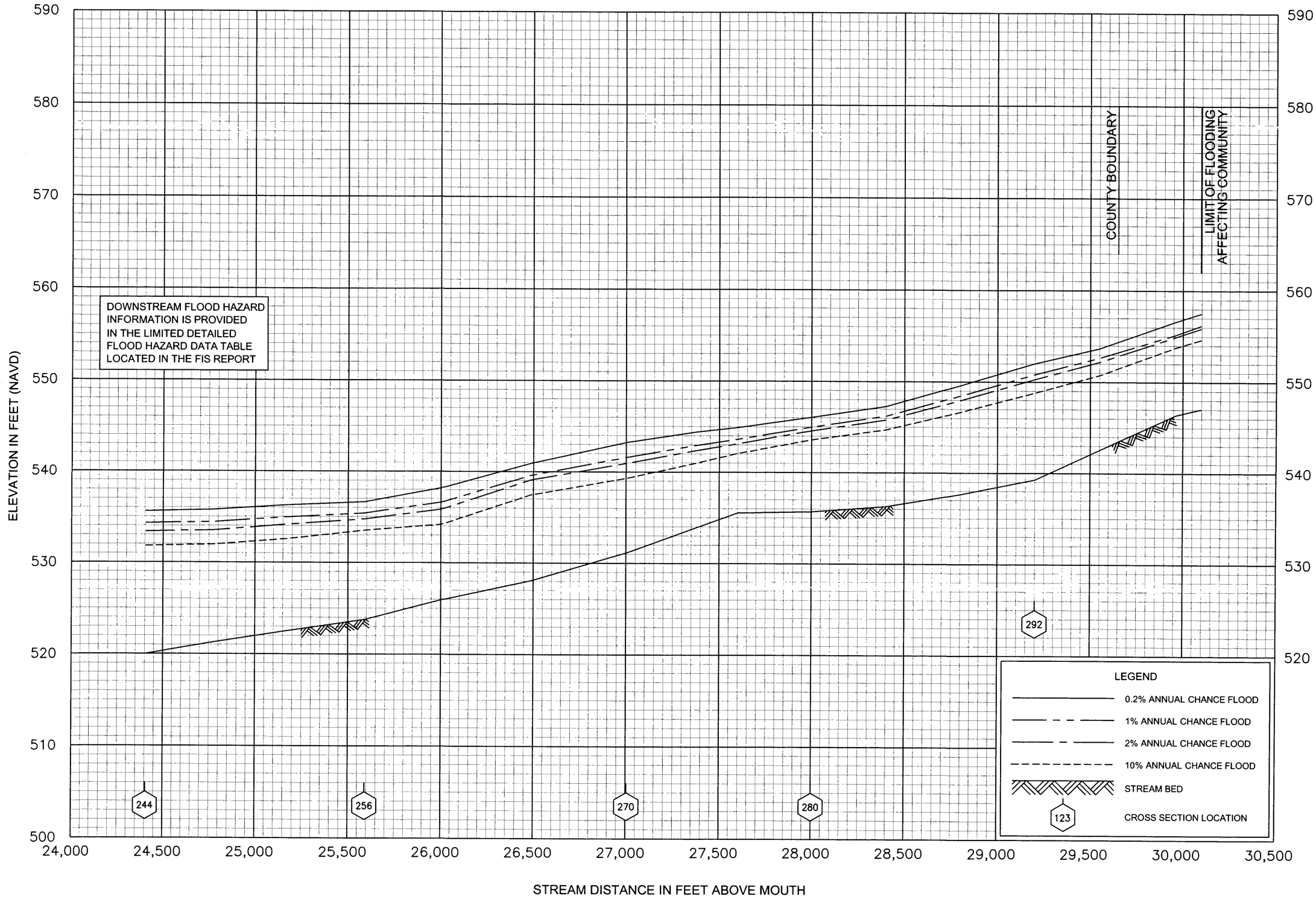


FLOOD PROFILES

LITTLE POLECAT CREEK TRIBUTARY 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

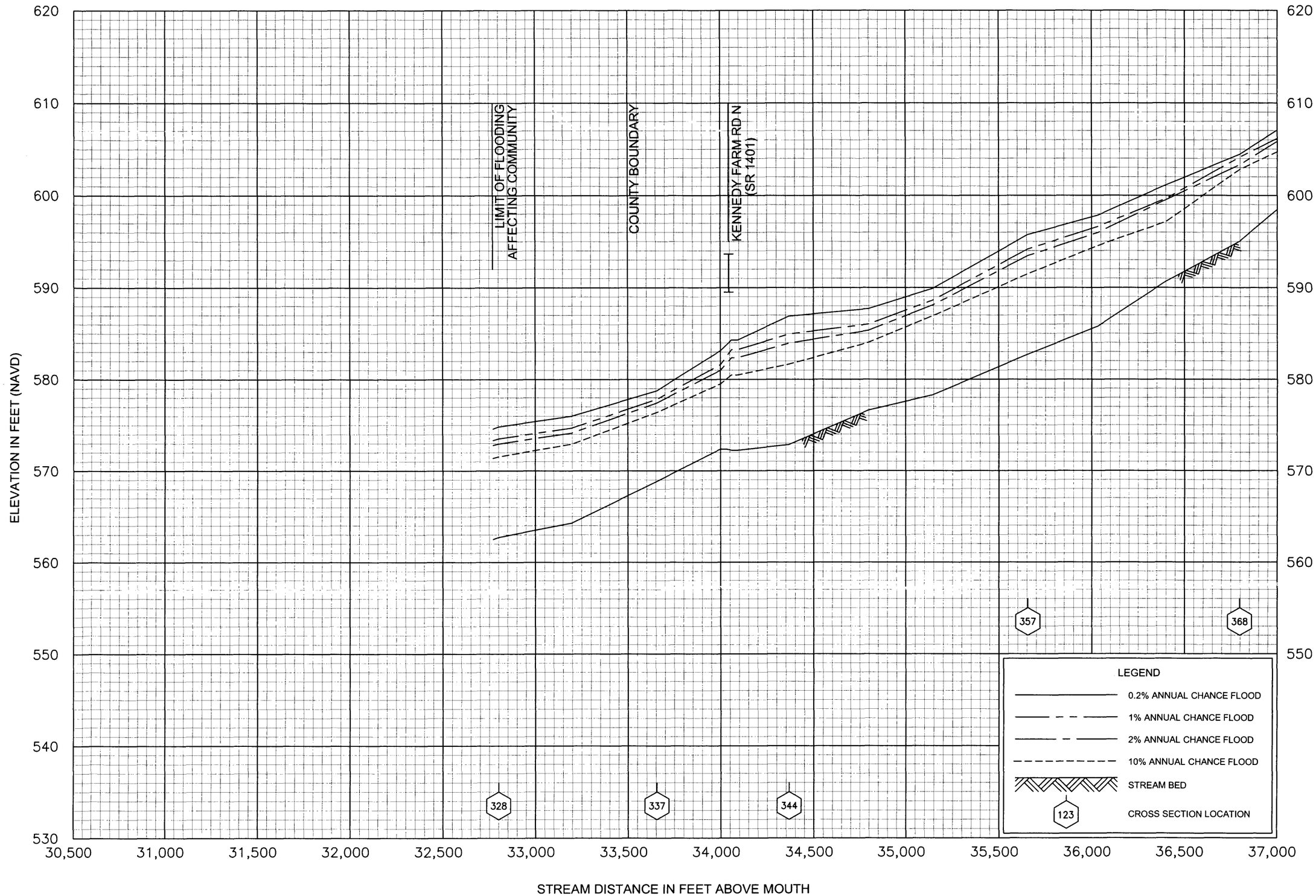


FLOOD PROFILES

LITTLE UWHARRIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

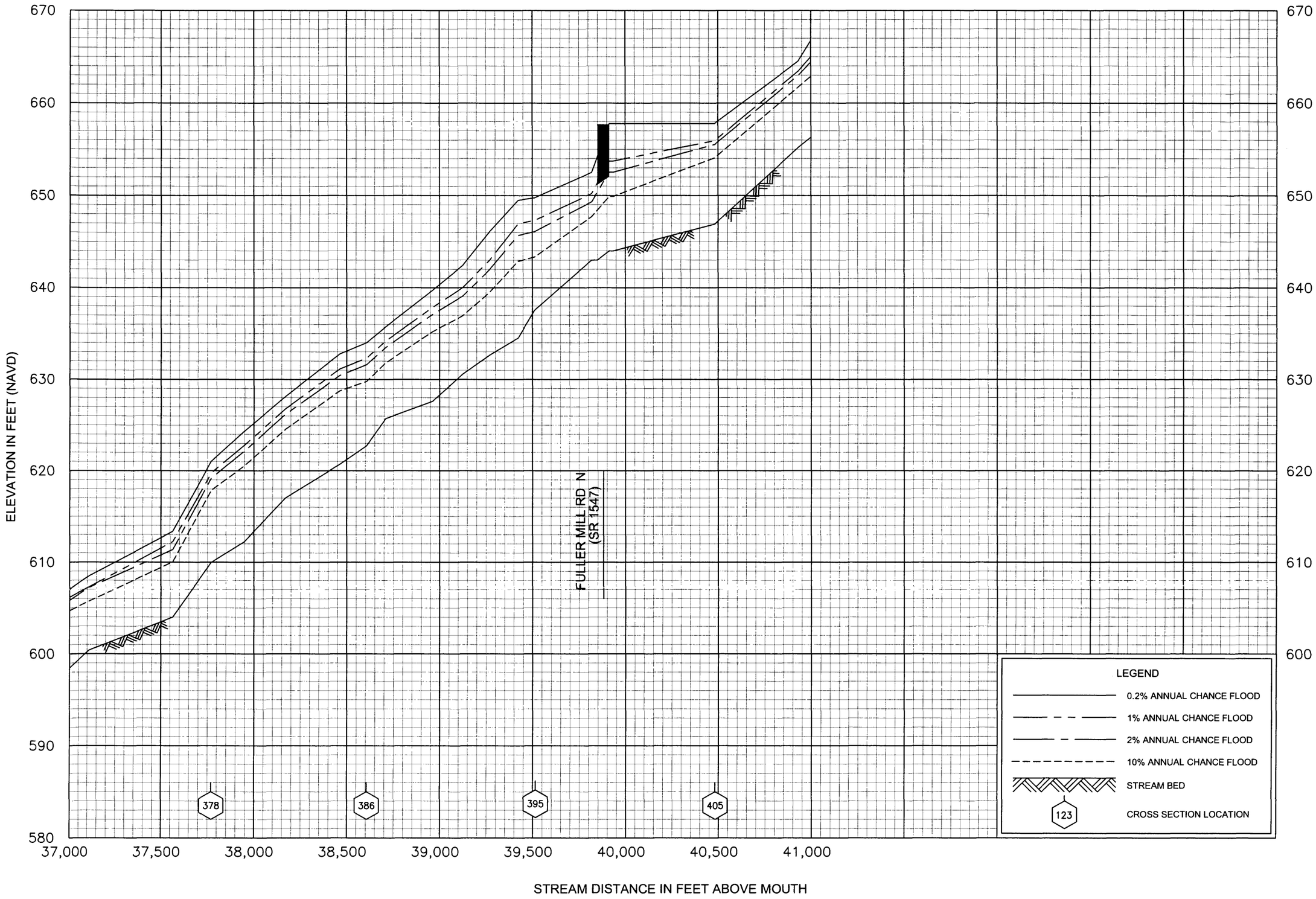


FLOOD PROFILES

LITTLE UWHARRIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS



FLOOD PROFILES

LITTLE UWHARRIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
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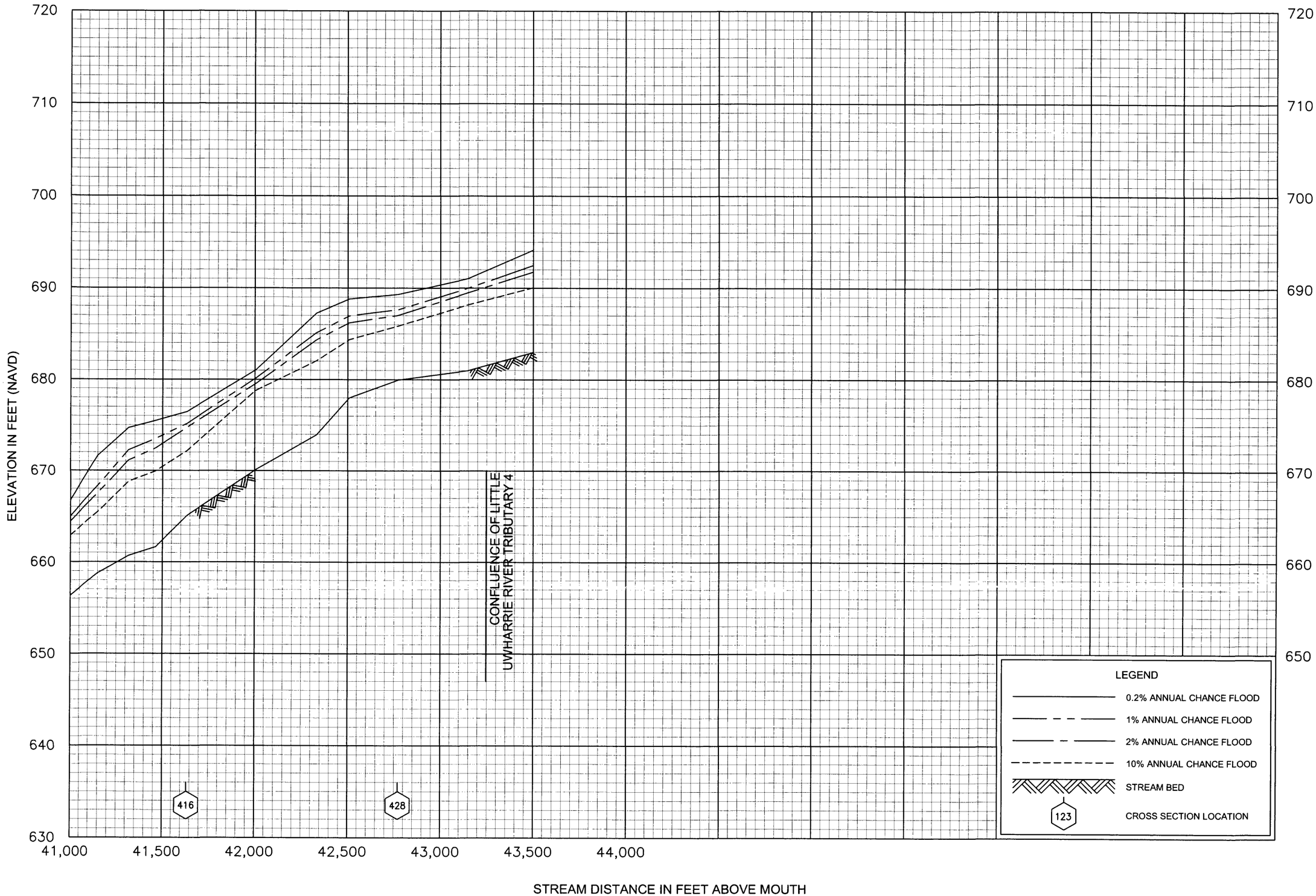

FLOOD PROFILES

LITTLE UWHARRIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
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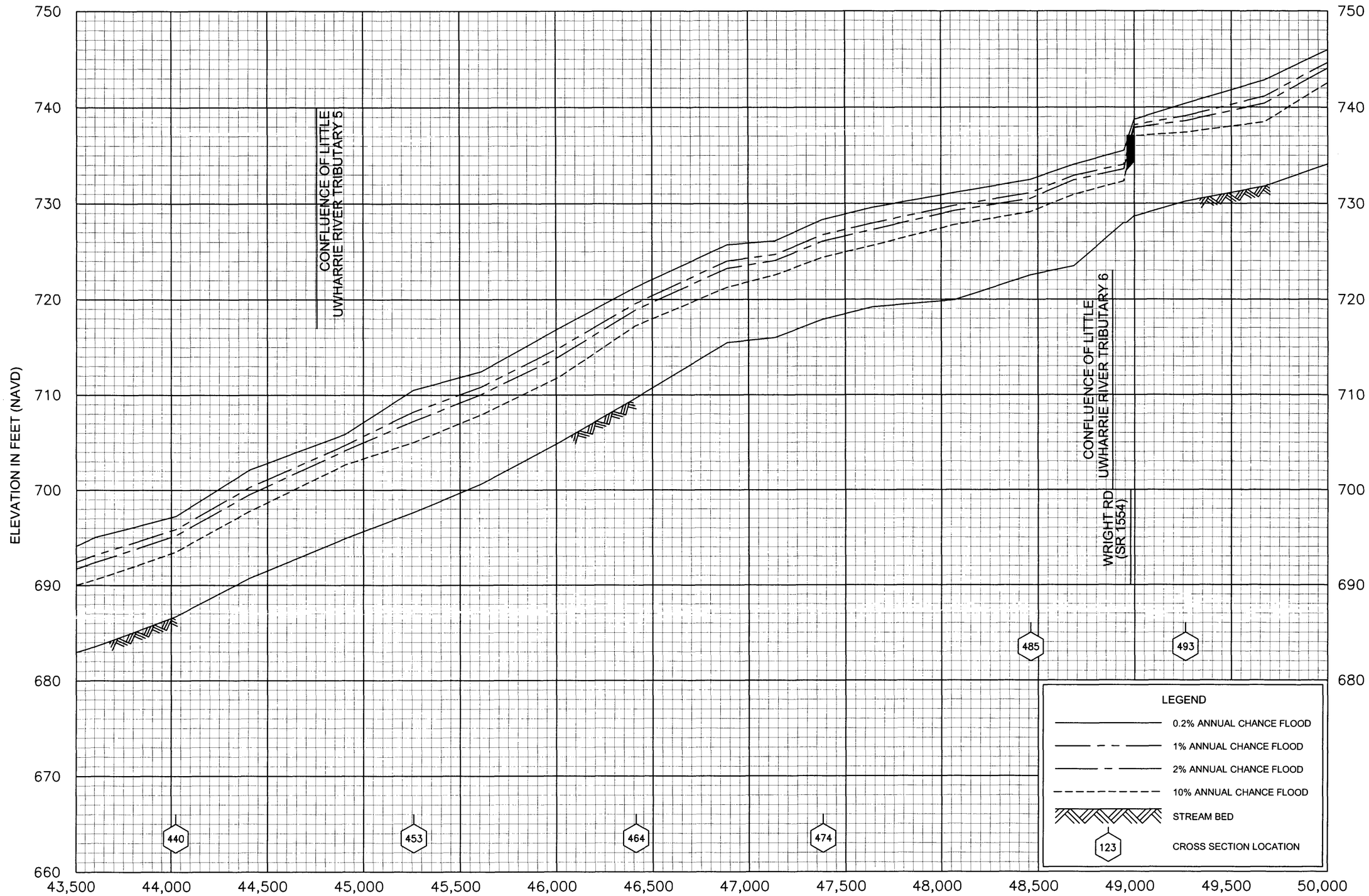

FLOOD PROFILES

LITTLE UWHARRIE RIVER

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RANDOLPH COUNTY, NC
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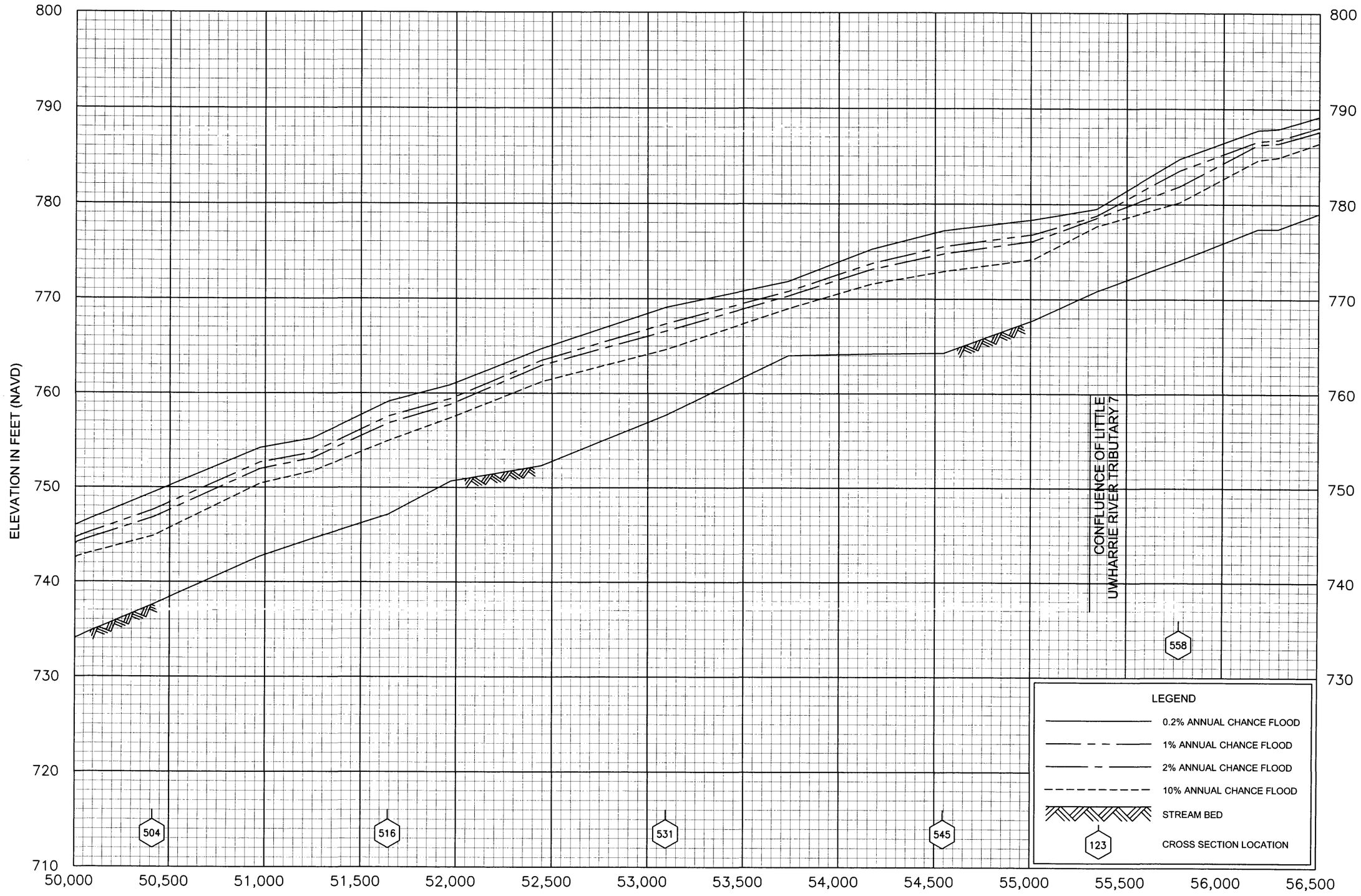

FLOOD PROFILES

LITTLE UWARRIE RIVER

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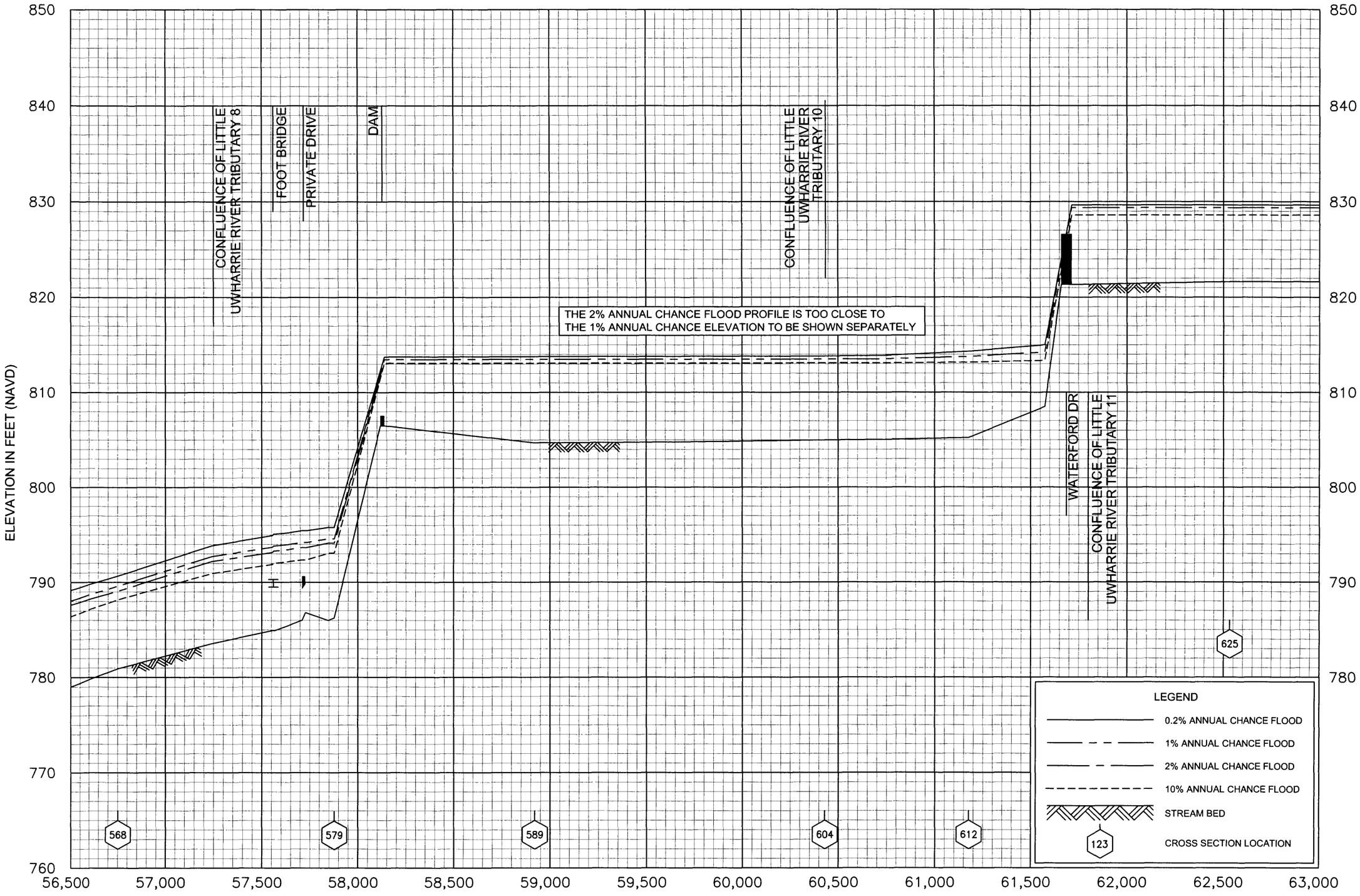

FLOOD PROFILES

LITTLE UWHARRIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

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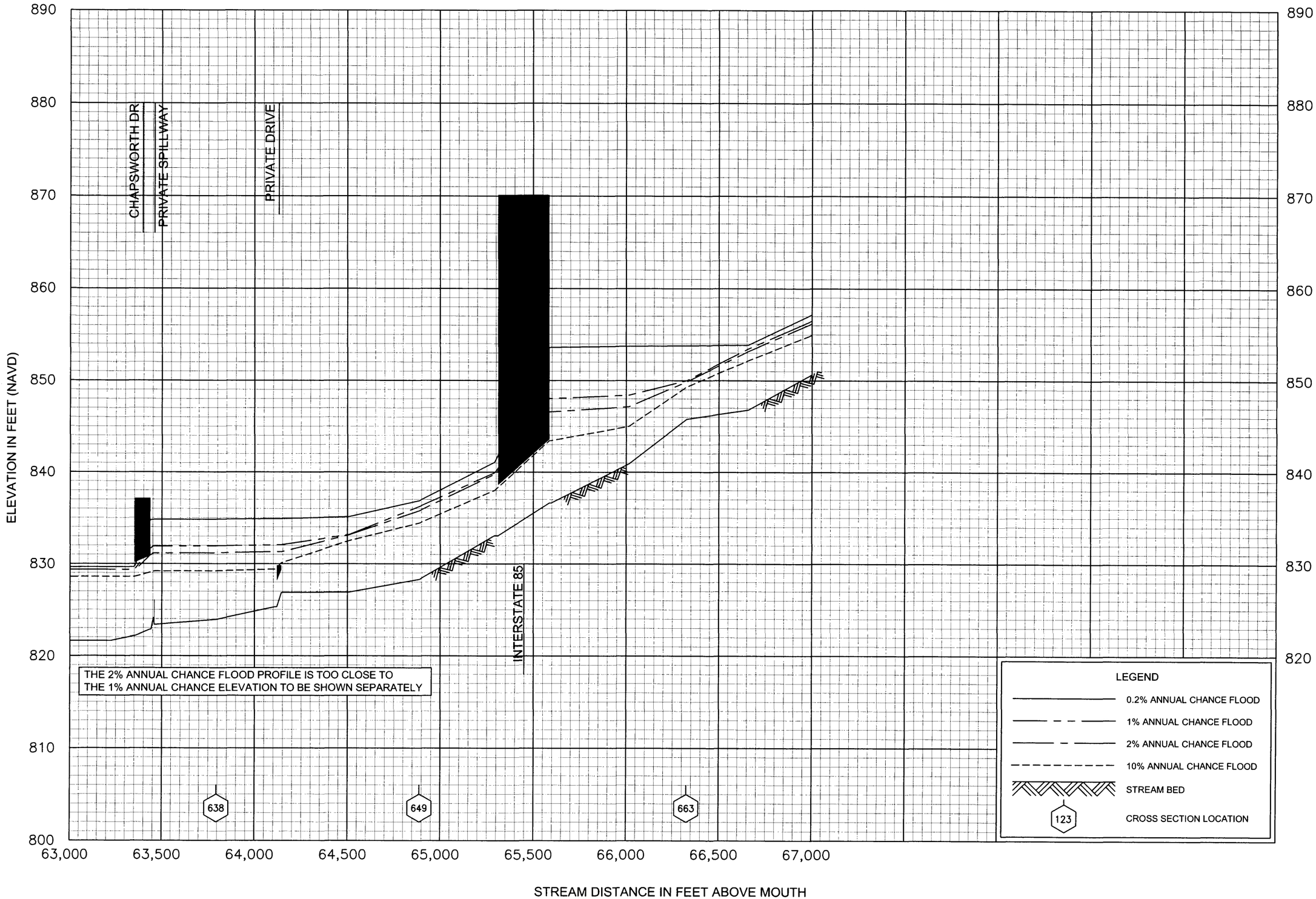

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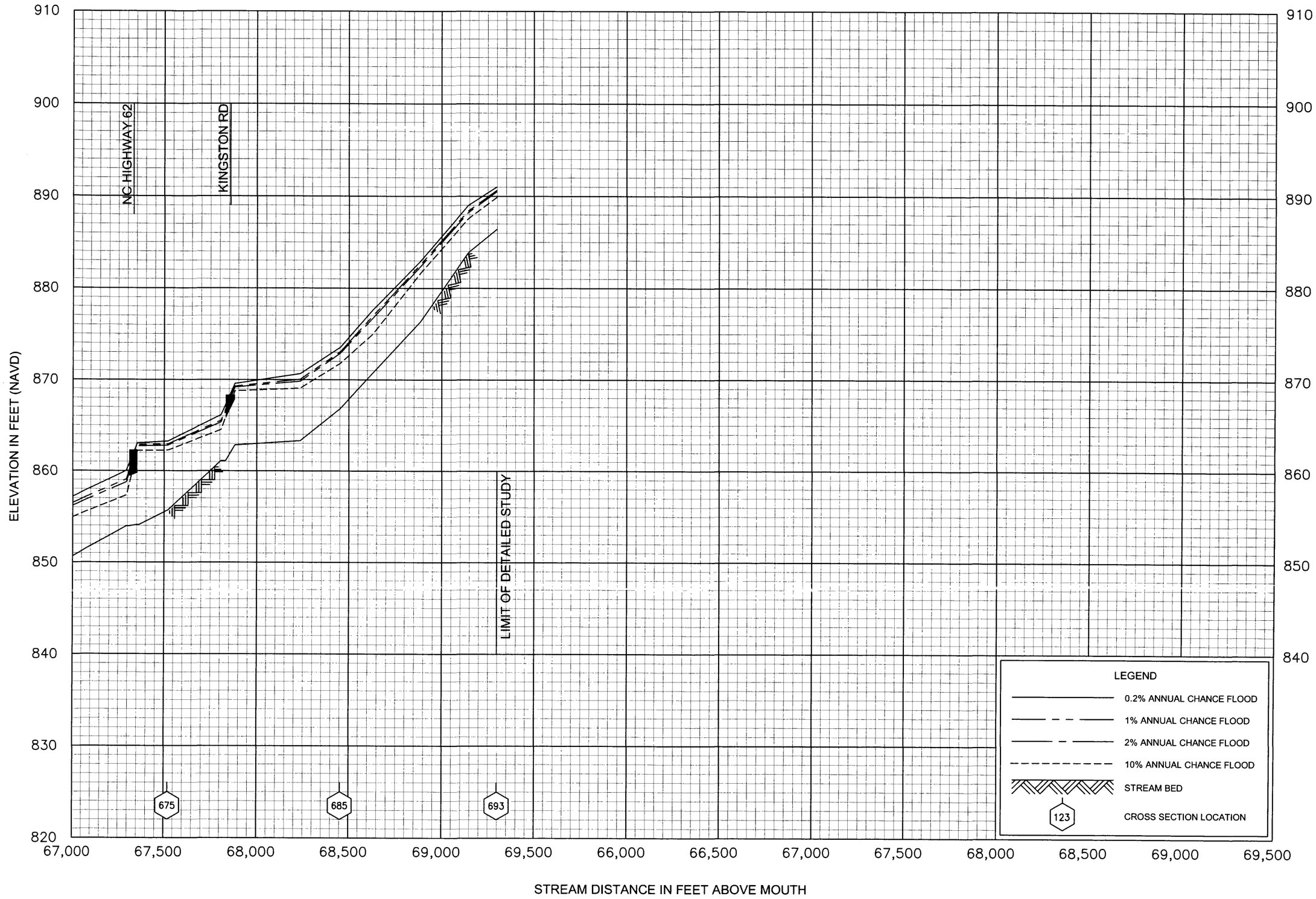

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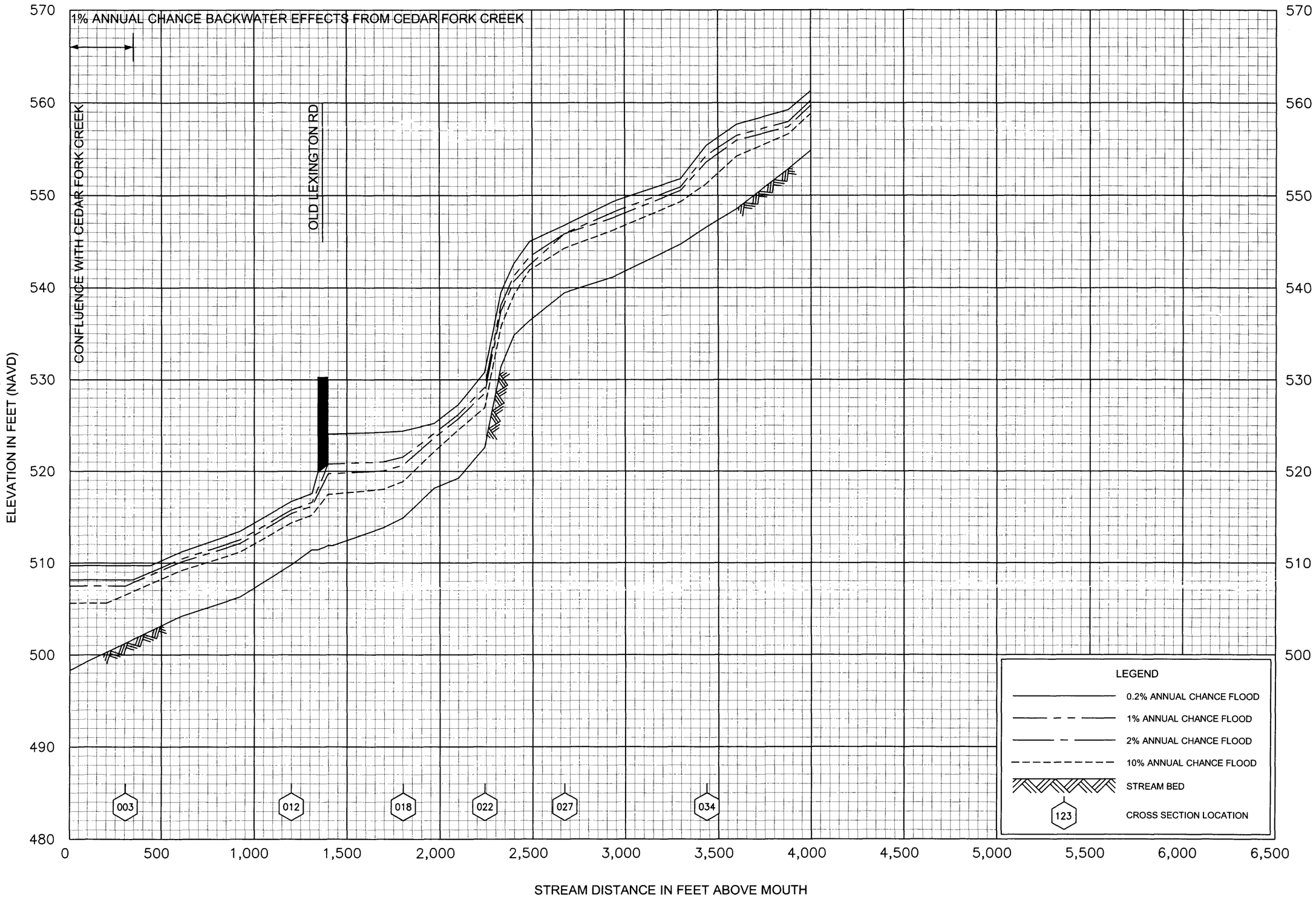

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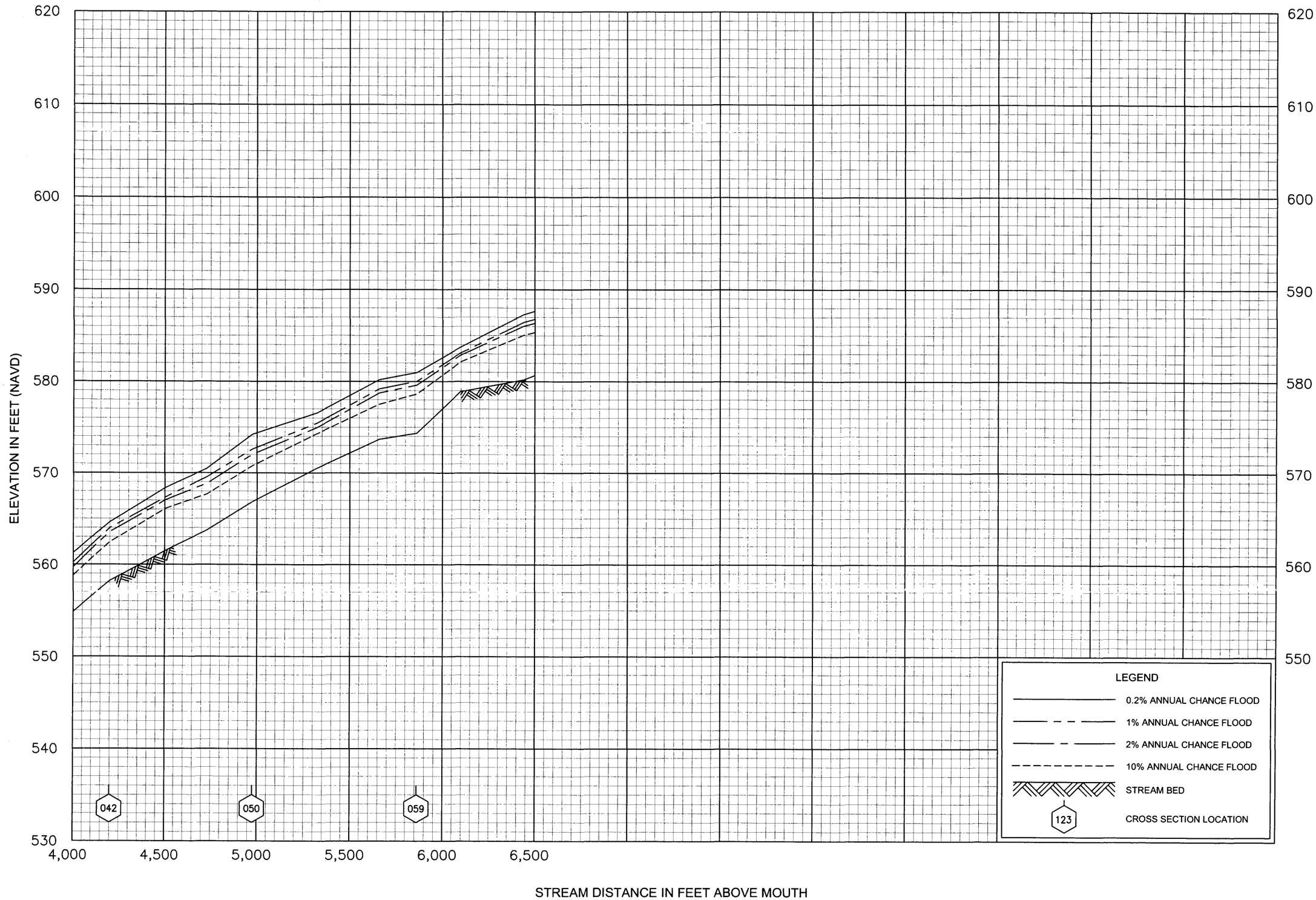

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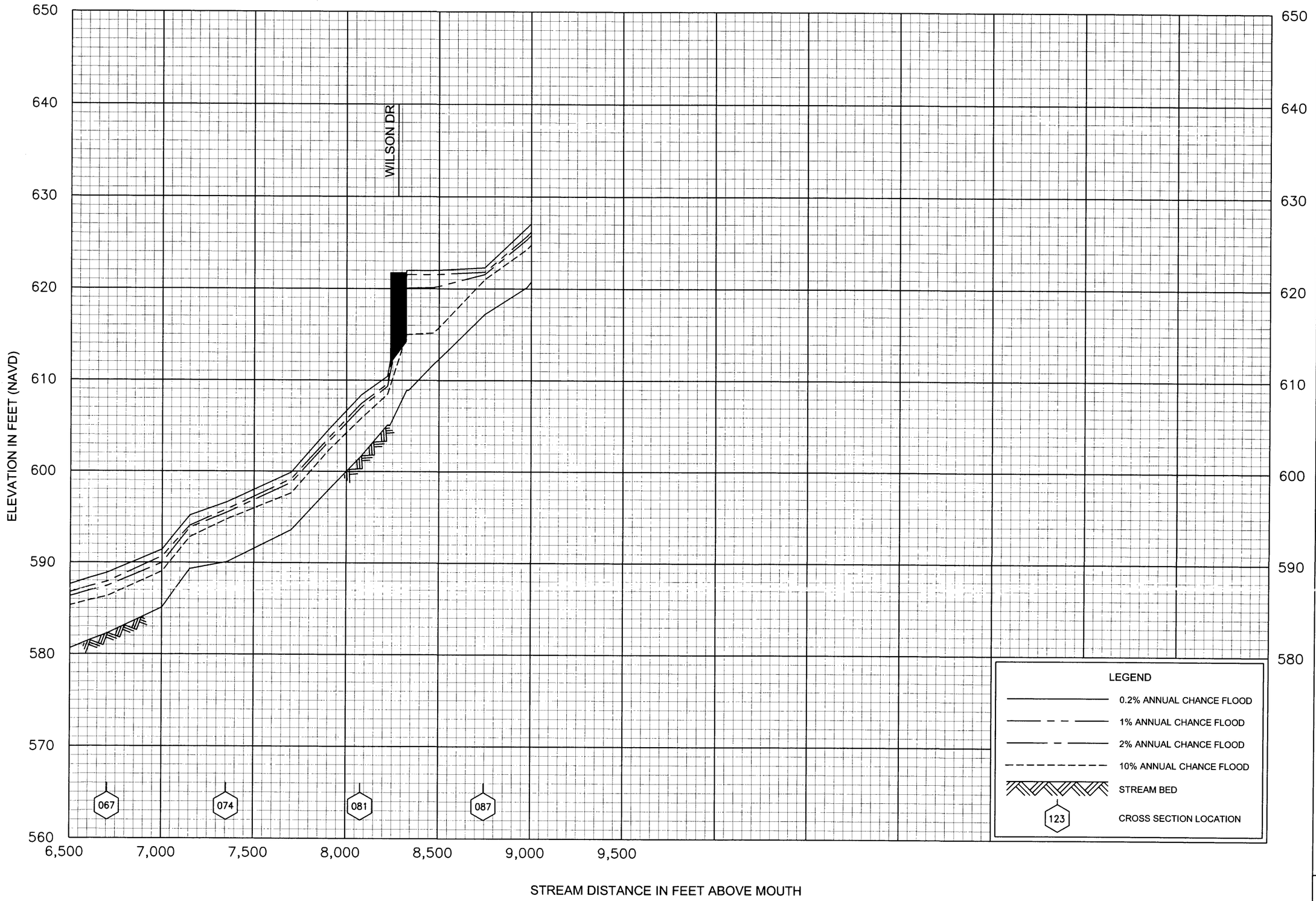

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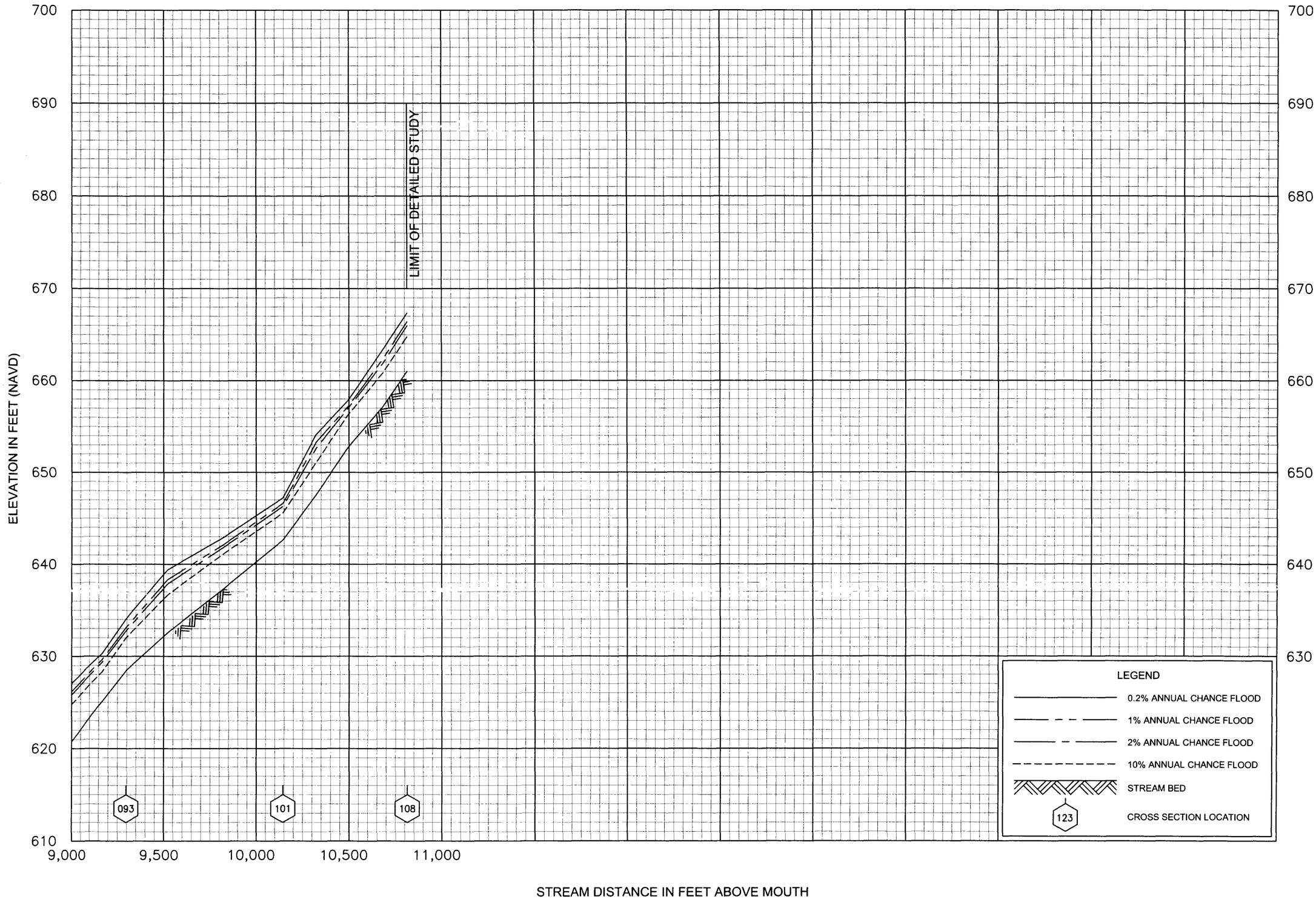

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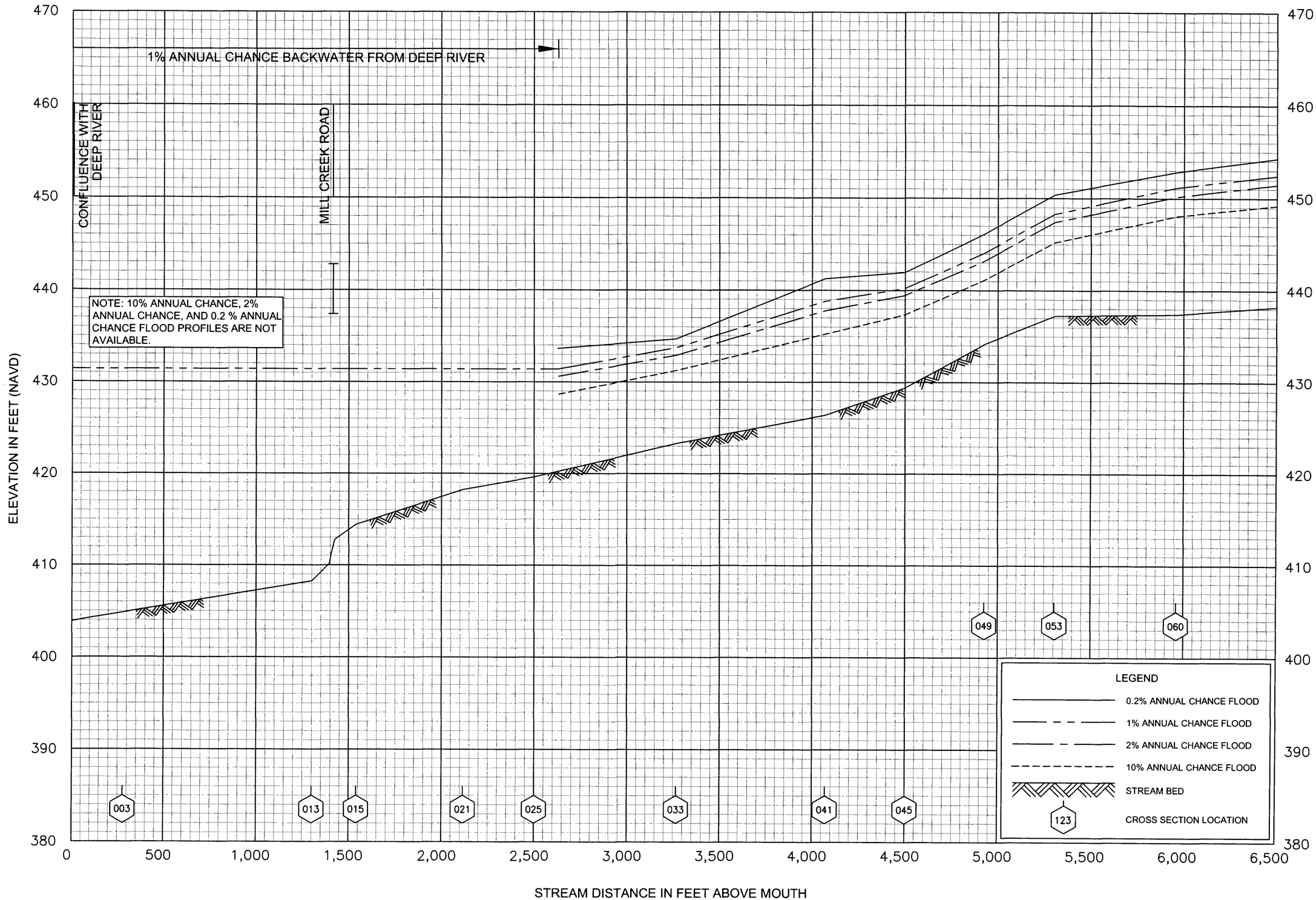

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MILL CREEK (INTO DEEP RIVER)

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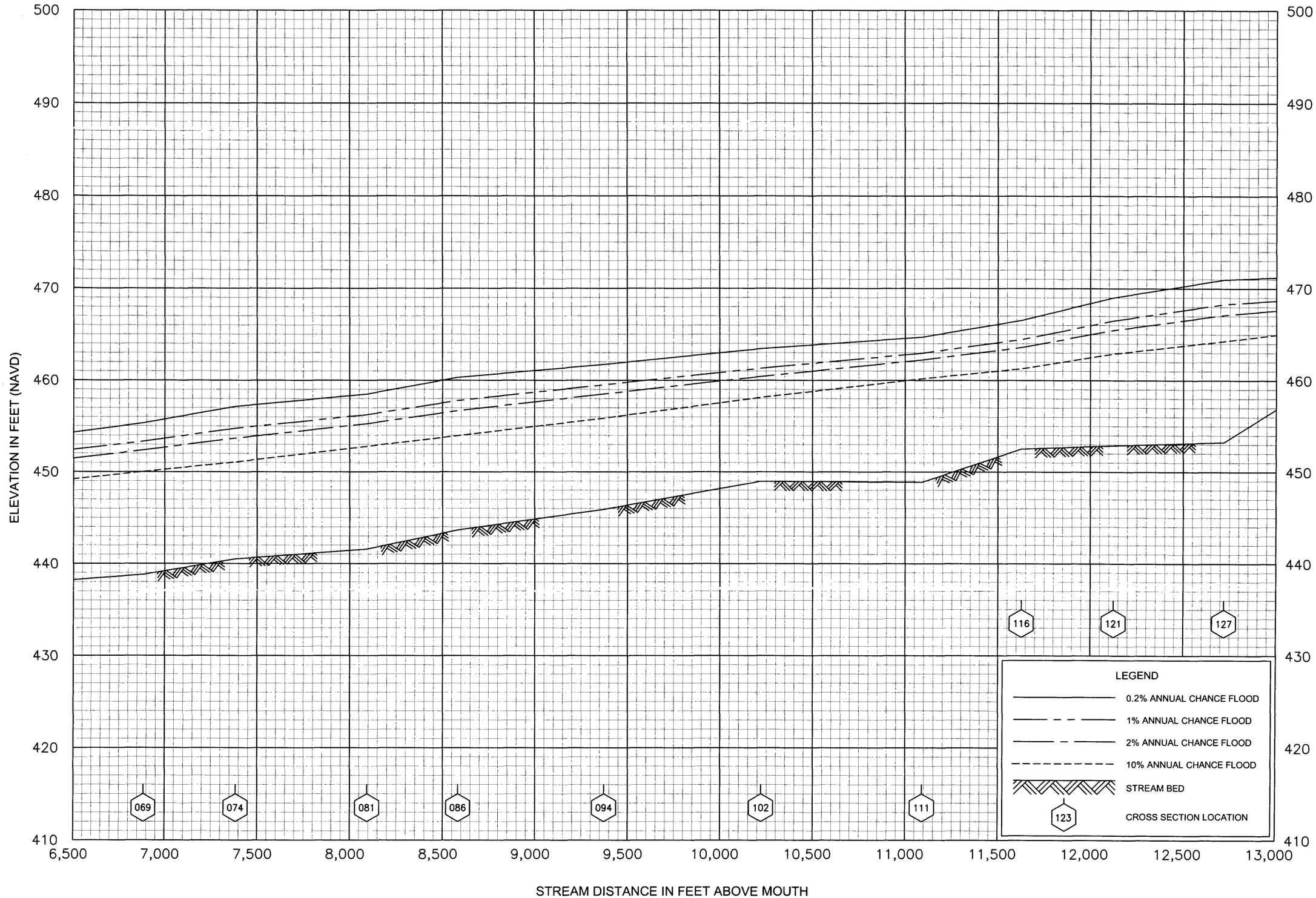

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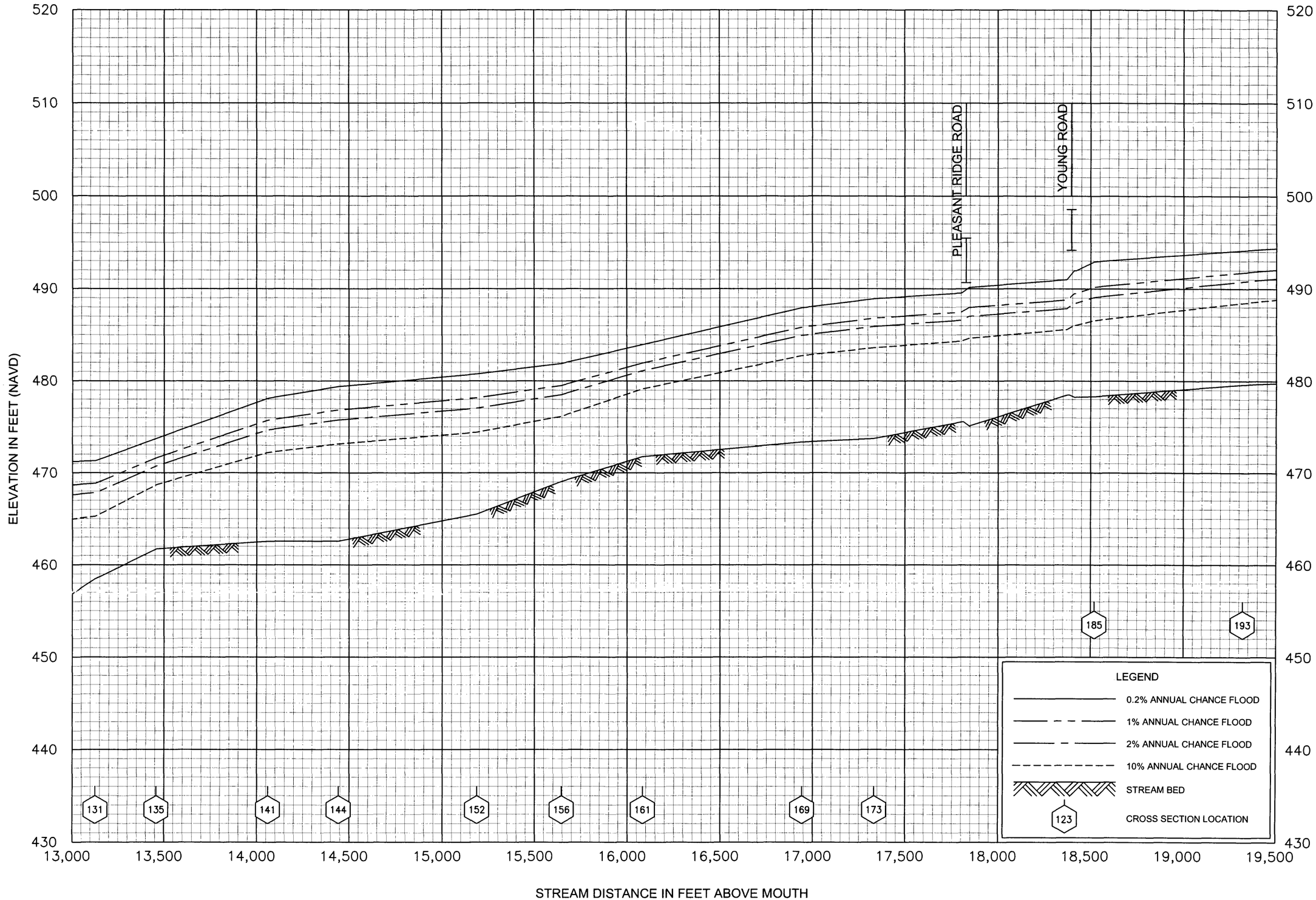

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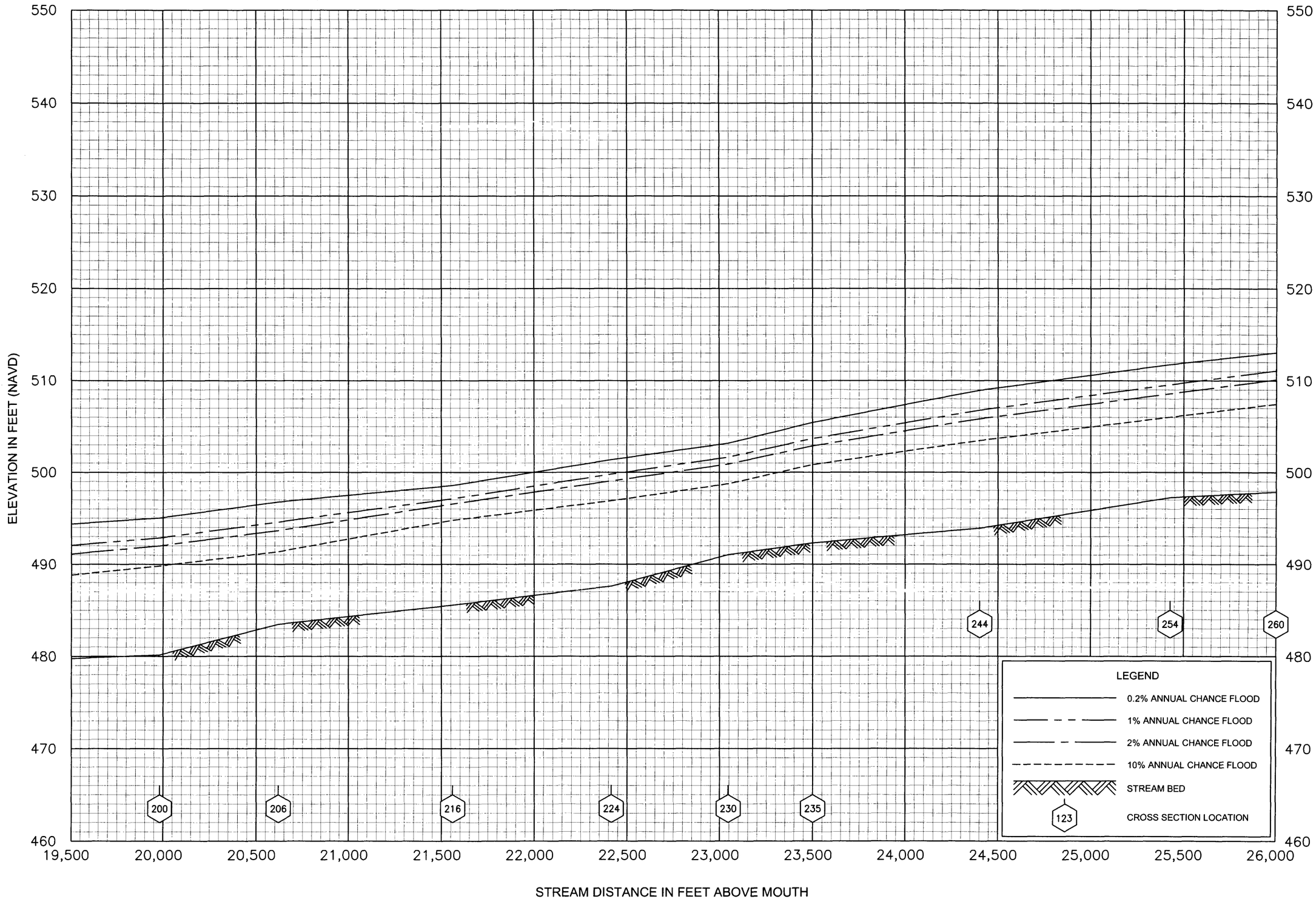

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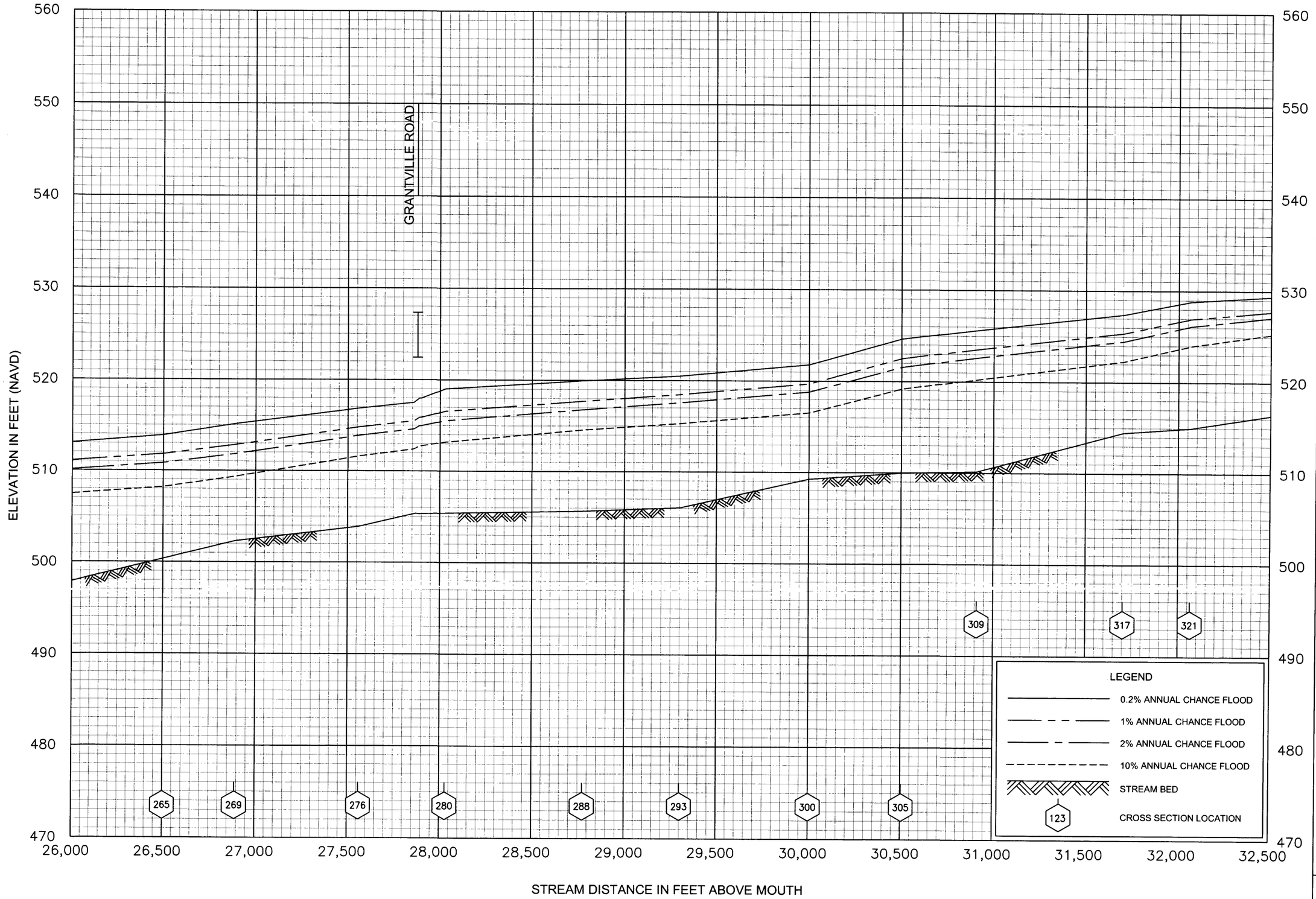

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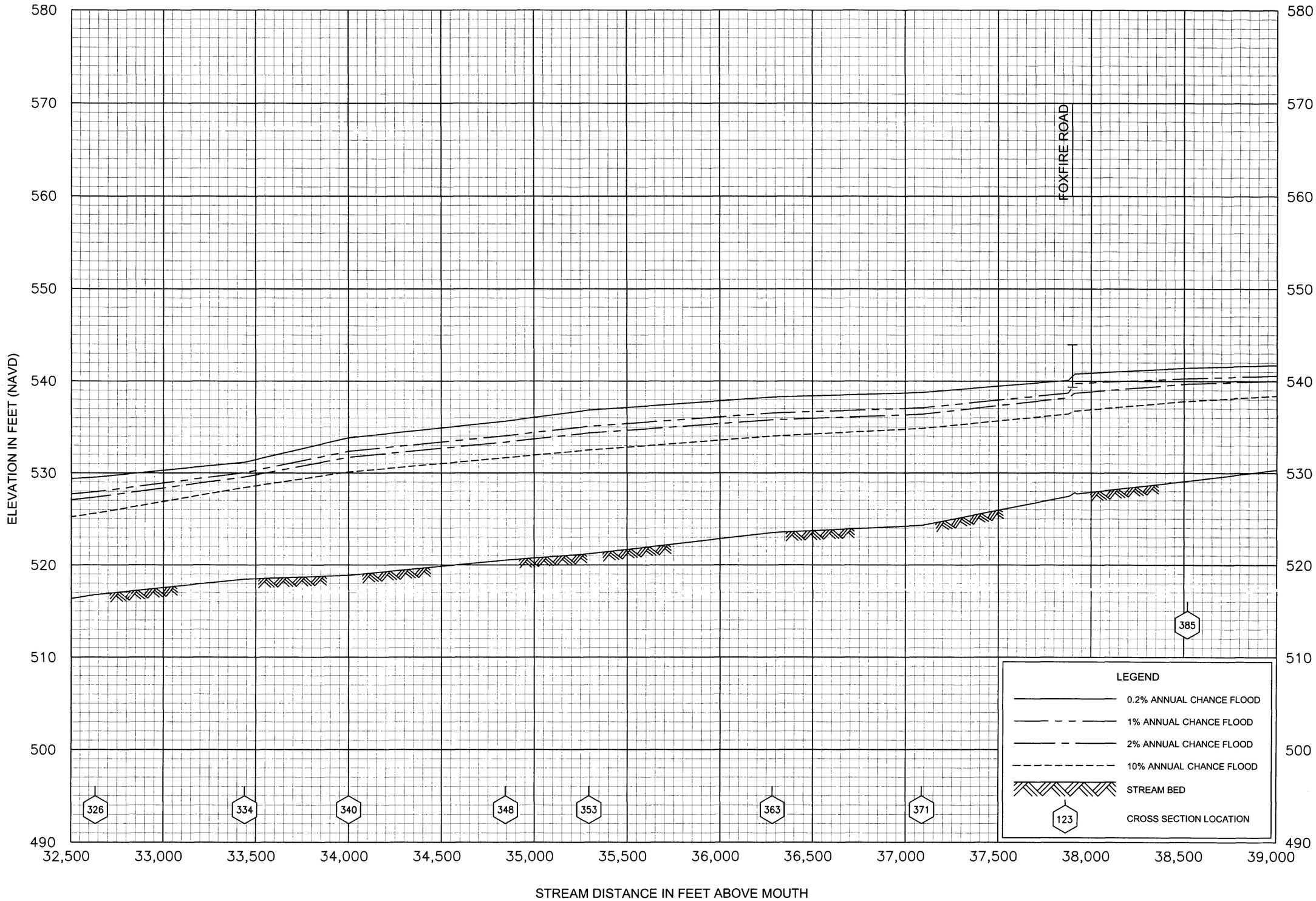

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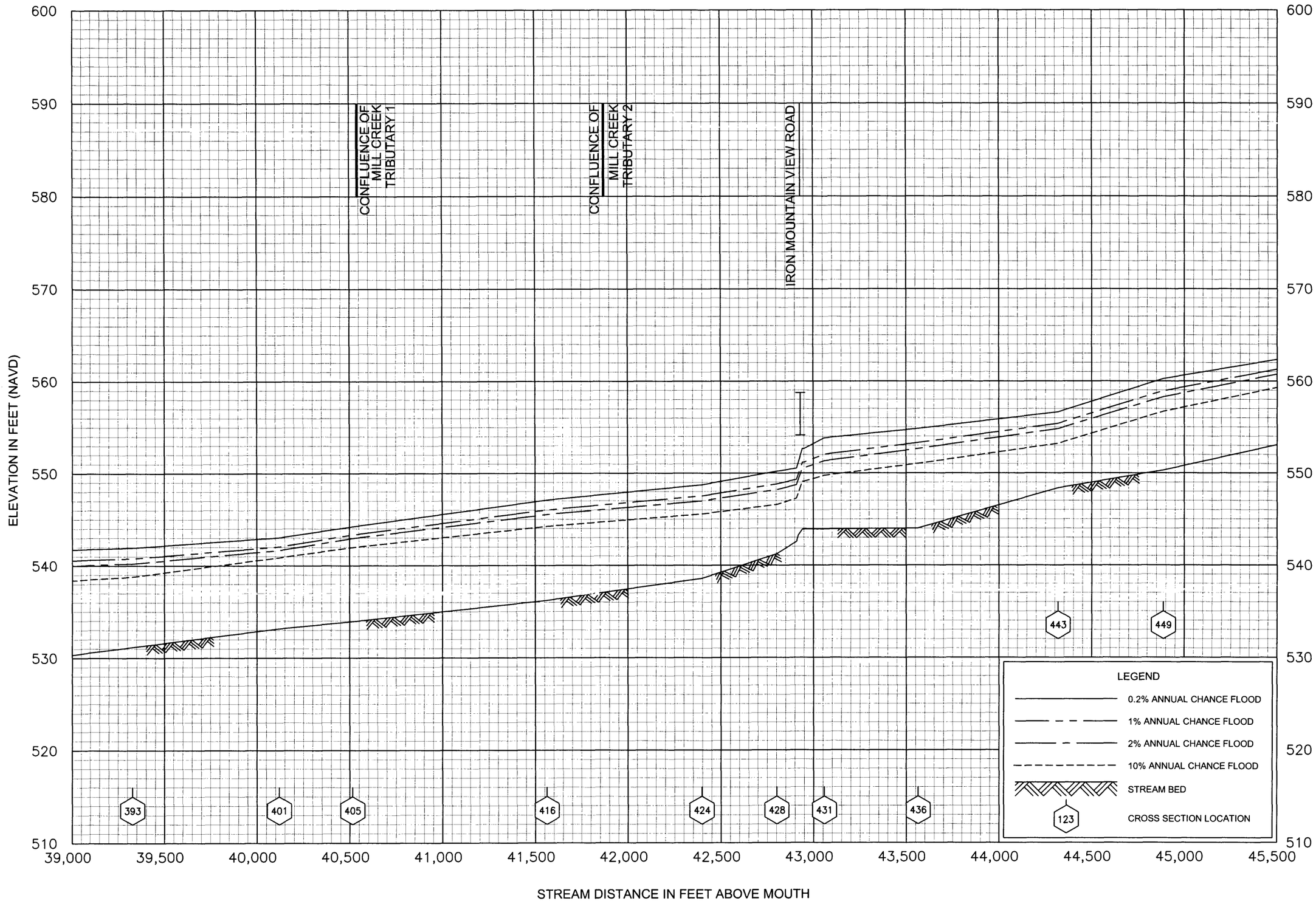

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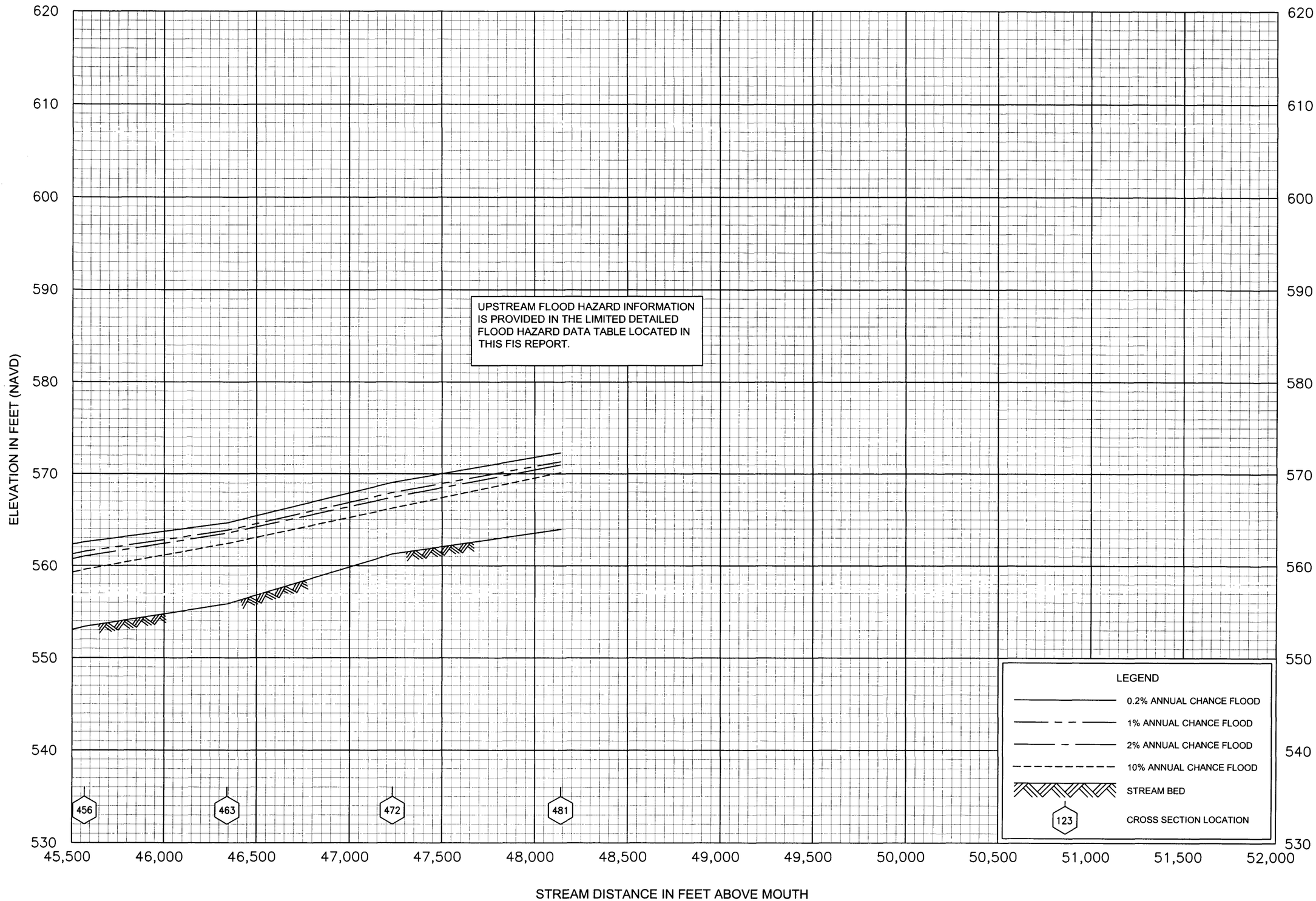

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MILL CREEK (INTO DEEP RIVER)

FEDERAL EMERGENCY MANAGEMENT AGENCY

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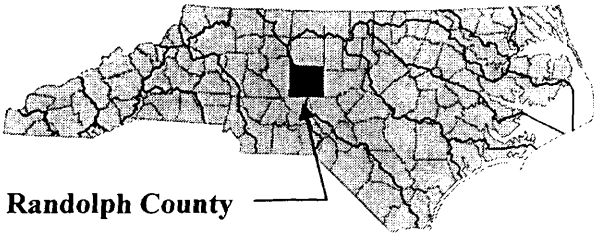
FLOOD INSURANCE STUDY

A Report of Flood Hazards in

RANDOLPH COUNTY, NORTH CAROLINA

AND INCORPORATED AREAS



Community Name	Community Number	River Basin
Archdale, City of	370273	Cape Fear/Yadkin
Asheboro, City of	370196	Cape Fear/Yadkin
Franklinville, Town of	370197	Cape Fear
Liberty, Town of	370582	Cape Fear
Ramseur, Town of	370198	Cape Fear
Randleman, City of	370199	Cape Fear/Yadkin
Randolph County (Unincorporated Areas)	370195	Cape Fear/Yadkin
Seagrove, Town of	370613	Cape Fear/Yadkin
Trinity, City of	370625	Cape Fear/Yadkin

NORTH CAROLINA Cooperating Technical State
FEMA'S COOPERATING TECHNICAL PARTNER

VOLUME 4 OF 4

January 2, 2008

Federal Emergency Management Agency
State of North Carolina

Flood Insurance Study Number
37151CV004A

www.fema.gov and www.ncfloodmaps.com

FOREWORD

This countywide Flood Insurance Study (FIS) Report was produced through a unique cooperative partnership between the State of North Carolina and the Federal Emergency Management Agency (FEMA). The State of North Carolina has implemented a long-term approach to floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map floodplain areas at the state level. As a part of this effort, the State of North Carolina has joined with FEMA in a Cooperating Technical State (CTS) agreement to produce and maintain this FIS Report and the accompanying digital Flood Insurance Rate Map (FIRM) for North Carolina.

NOTICE TO FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

Part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current FIS components.

The following is a list of the publication dates of this Countywide FIS Report starting with the initial Report accompanying the North Carolina Statewide FIRM:

January 2, 2008

This FIS has been produced as part of the North Carolina Floodplain Mapping Program. Randolph County, North Carolina, falls under the administrative jurisdiction of Region IV of the Federal Emergency Management Agency (FEMA). Questions concerning this FIS may be directed to the North Carolina Floodplain Mapping Program at www.ncfloodmaps.com, the FEMA Map Assistance Center by calling the toll-free information line at 1-877-FEMA MAP (1-877-336-2627), or by contacting the FEMA Regional Office at the following address:

FEMA, Federal Insurance and Mitigation Administration
Koger Center - Rutgers Building
3003 Chamblee Tucker Road
Atlanta, Georgia 30341
(770) 220-5400

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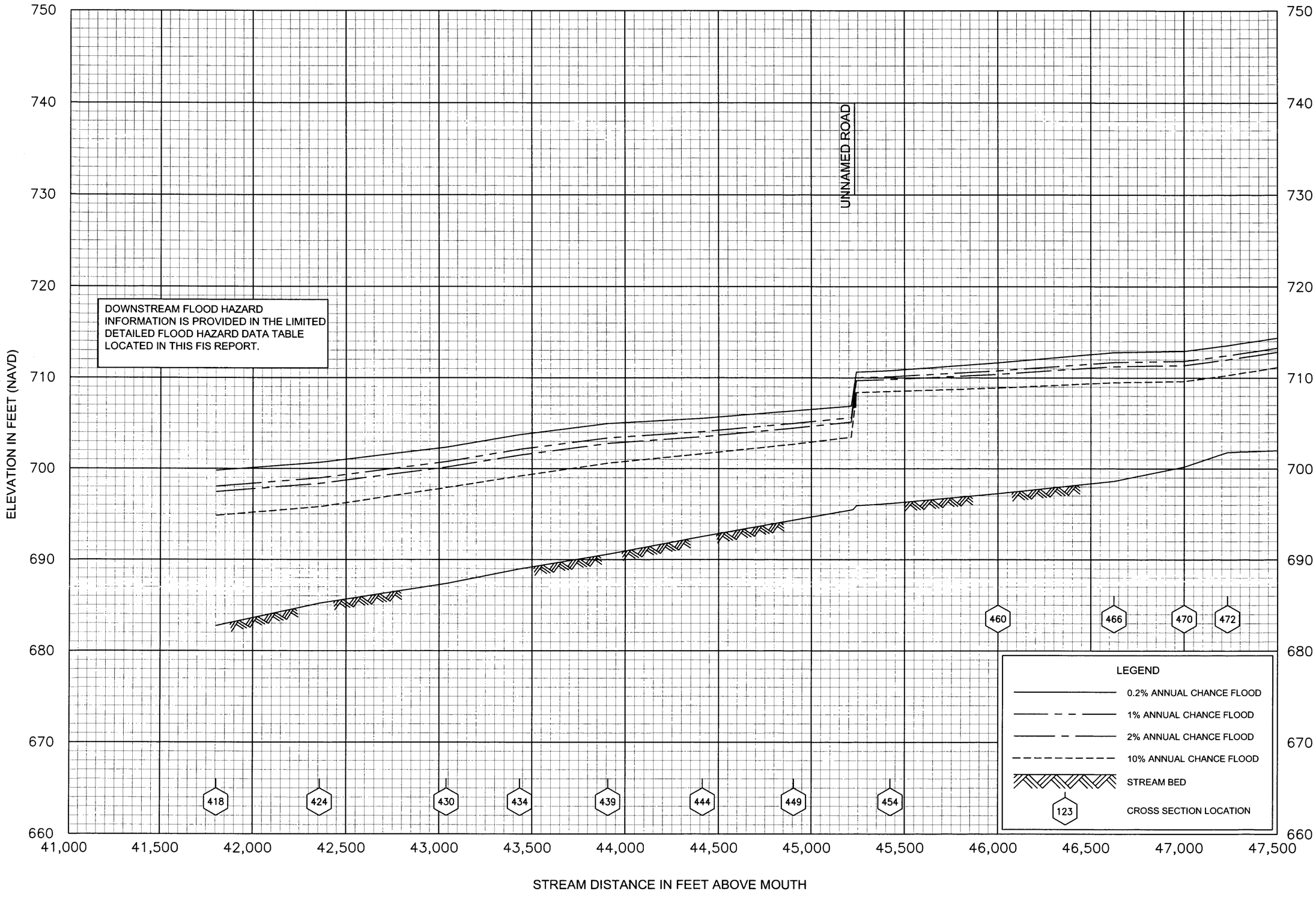
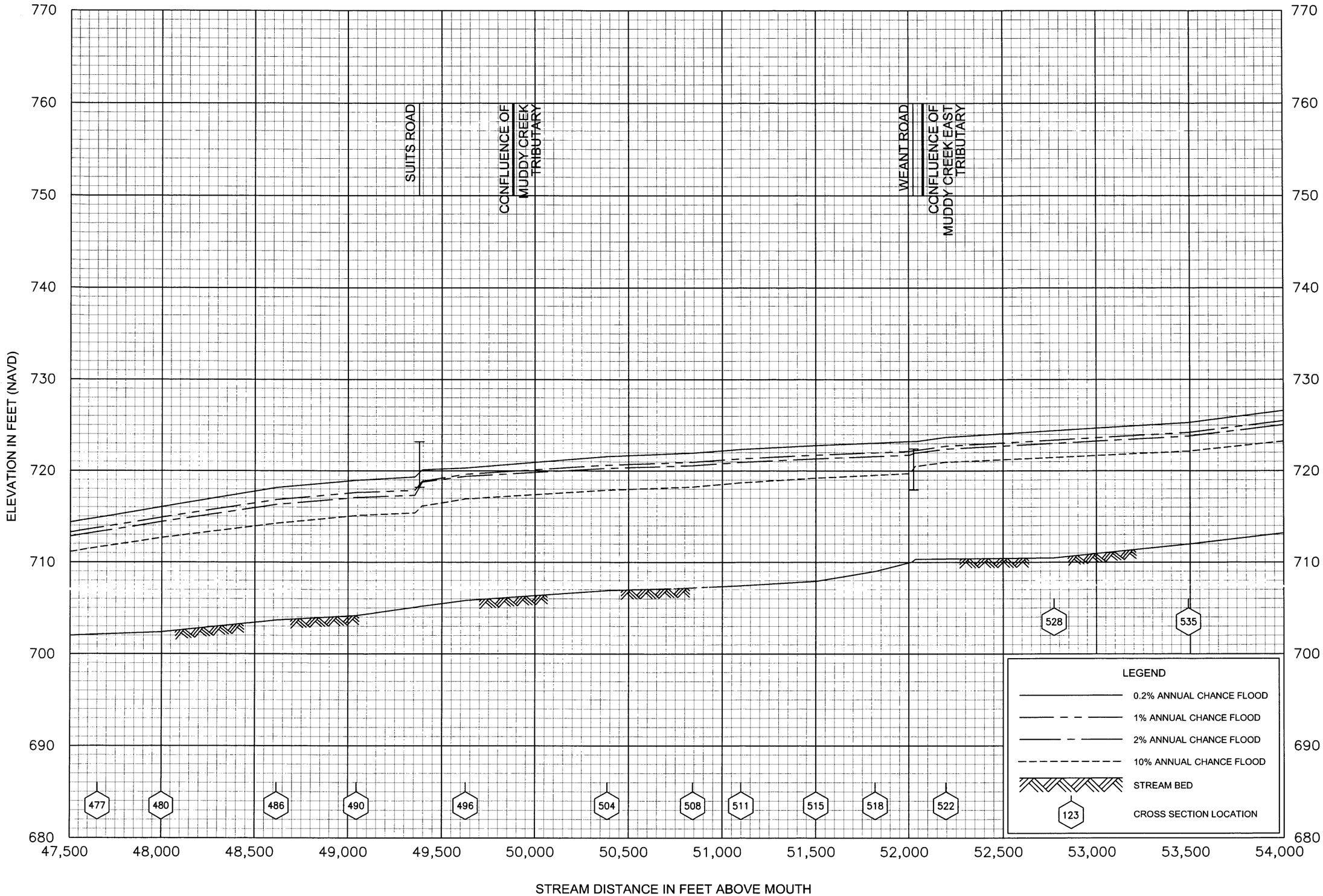


FLOOD PROFILES

MUDDY CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS



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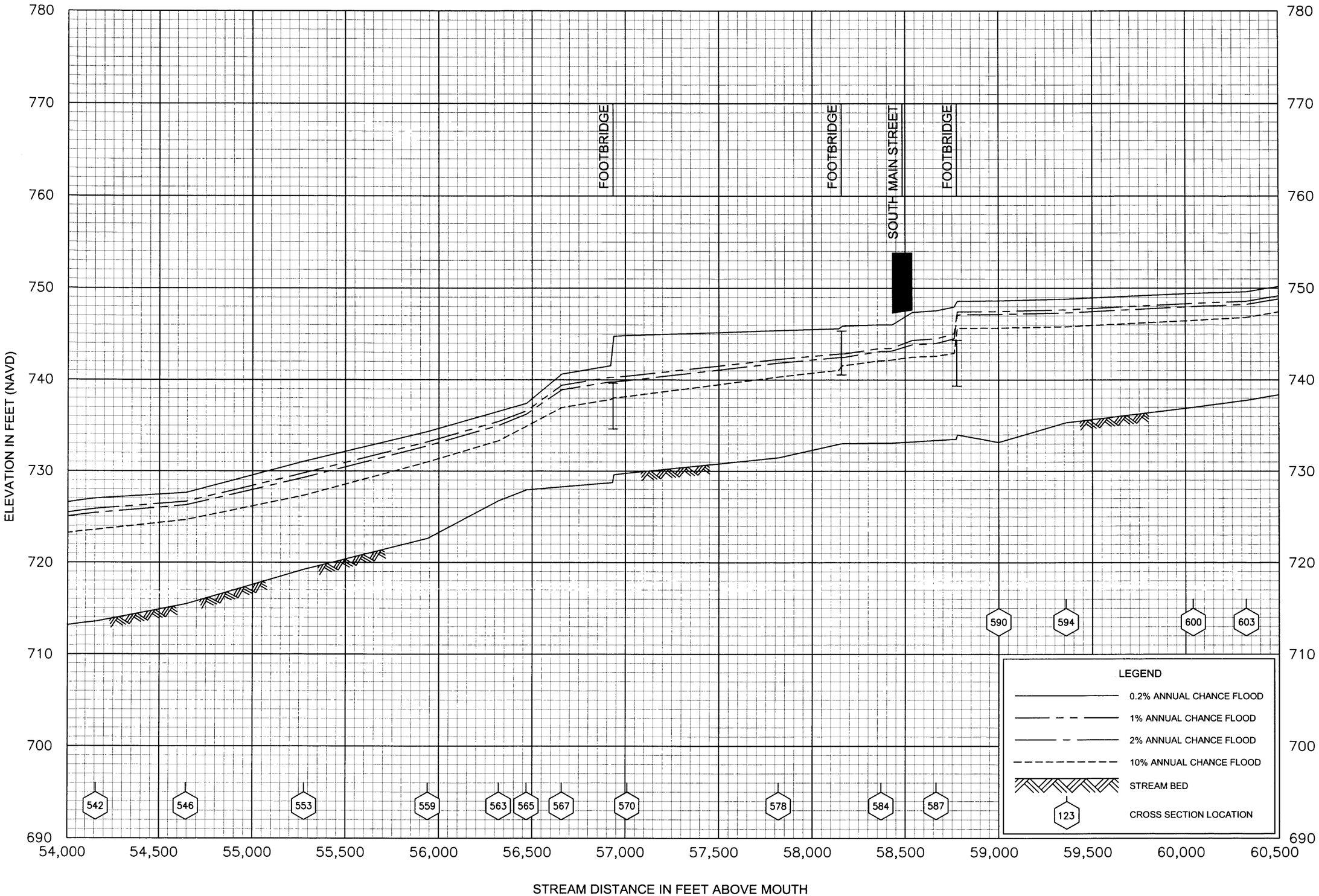

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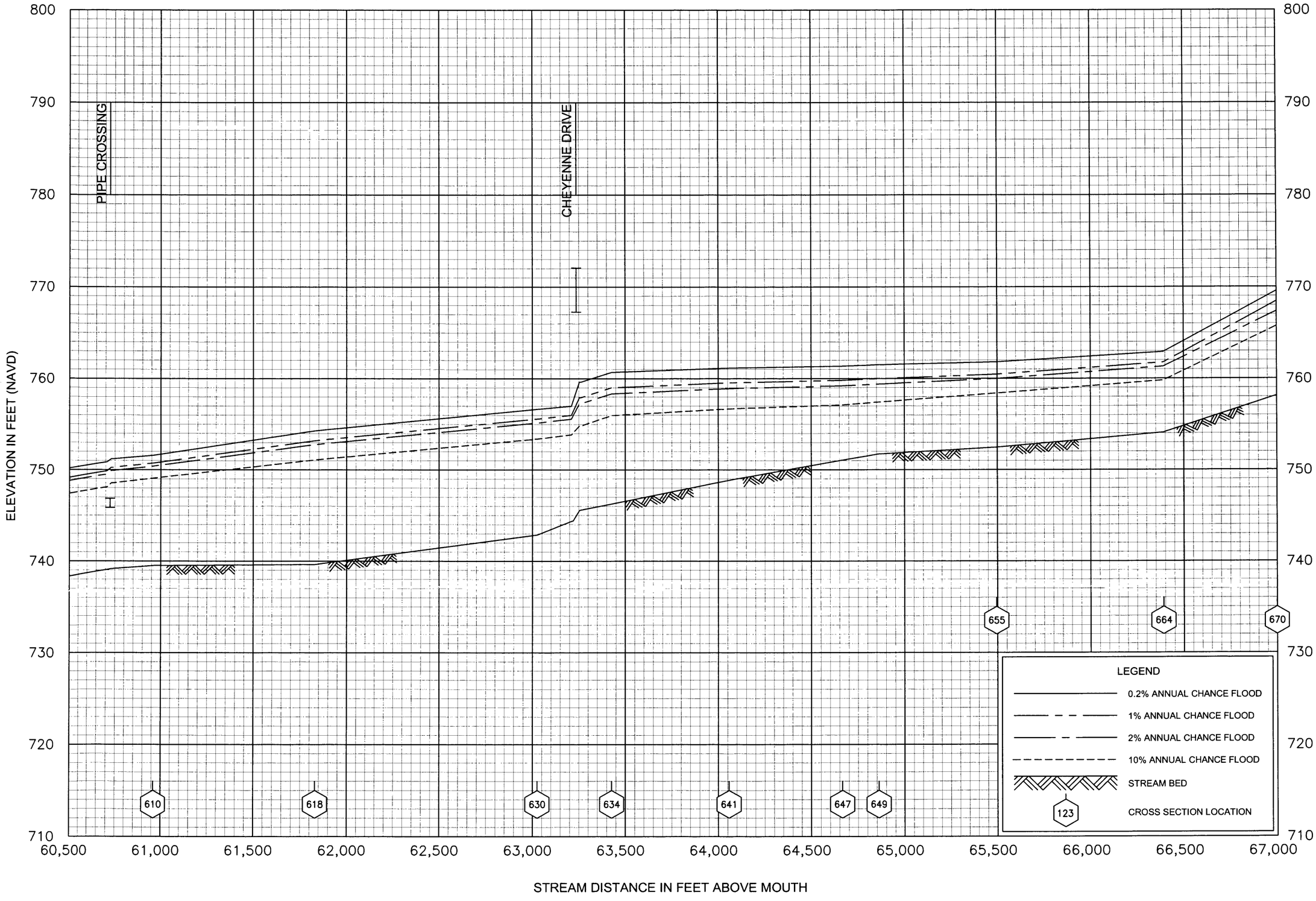

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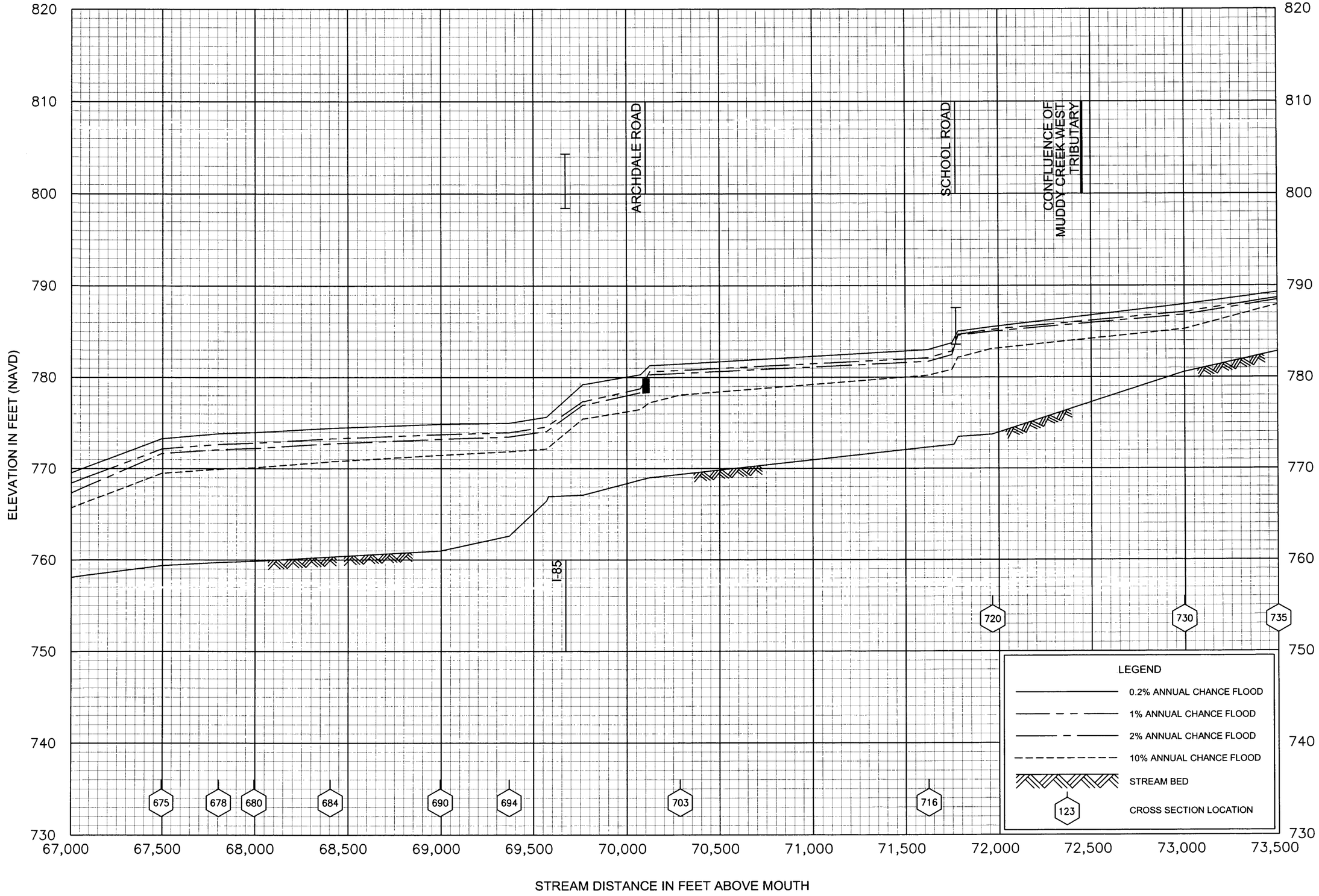

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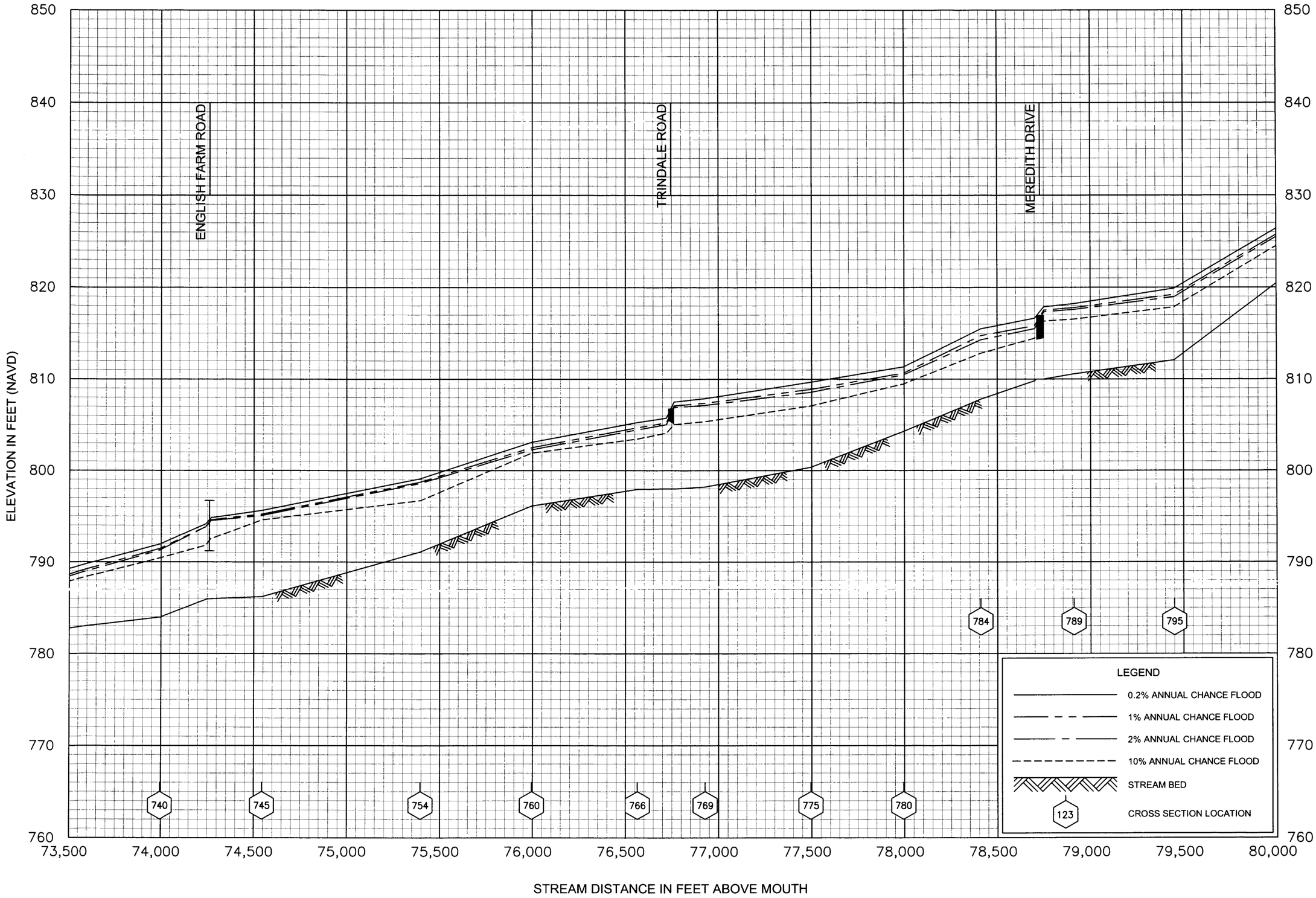

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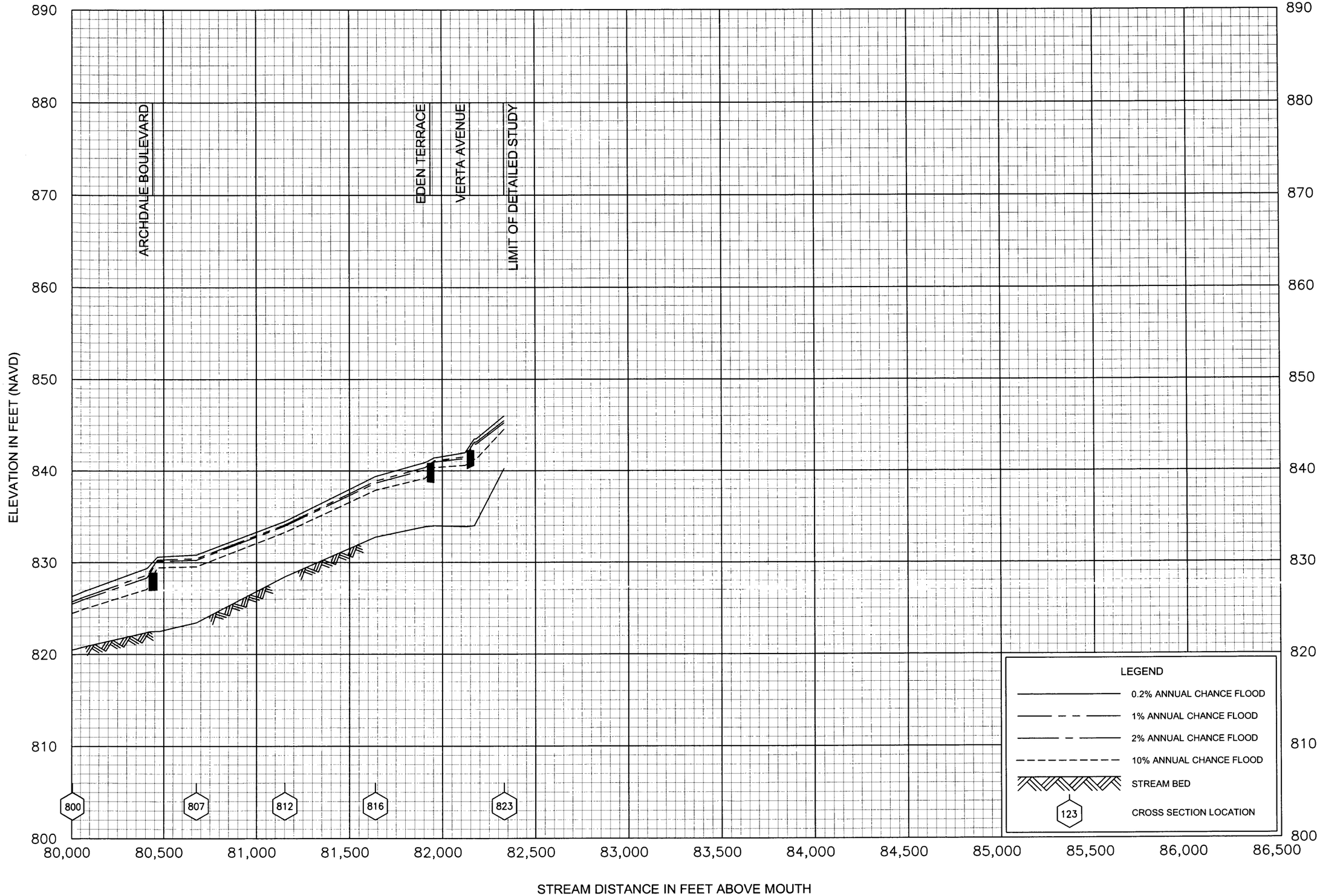

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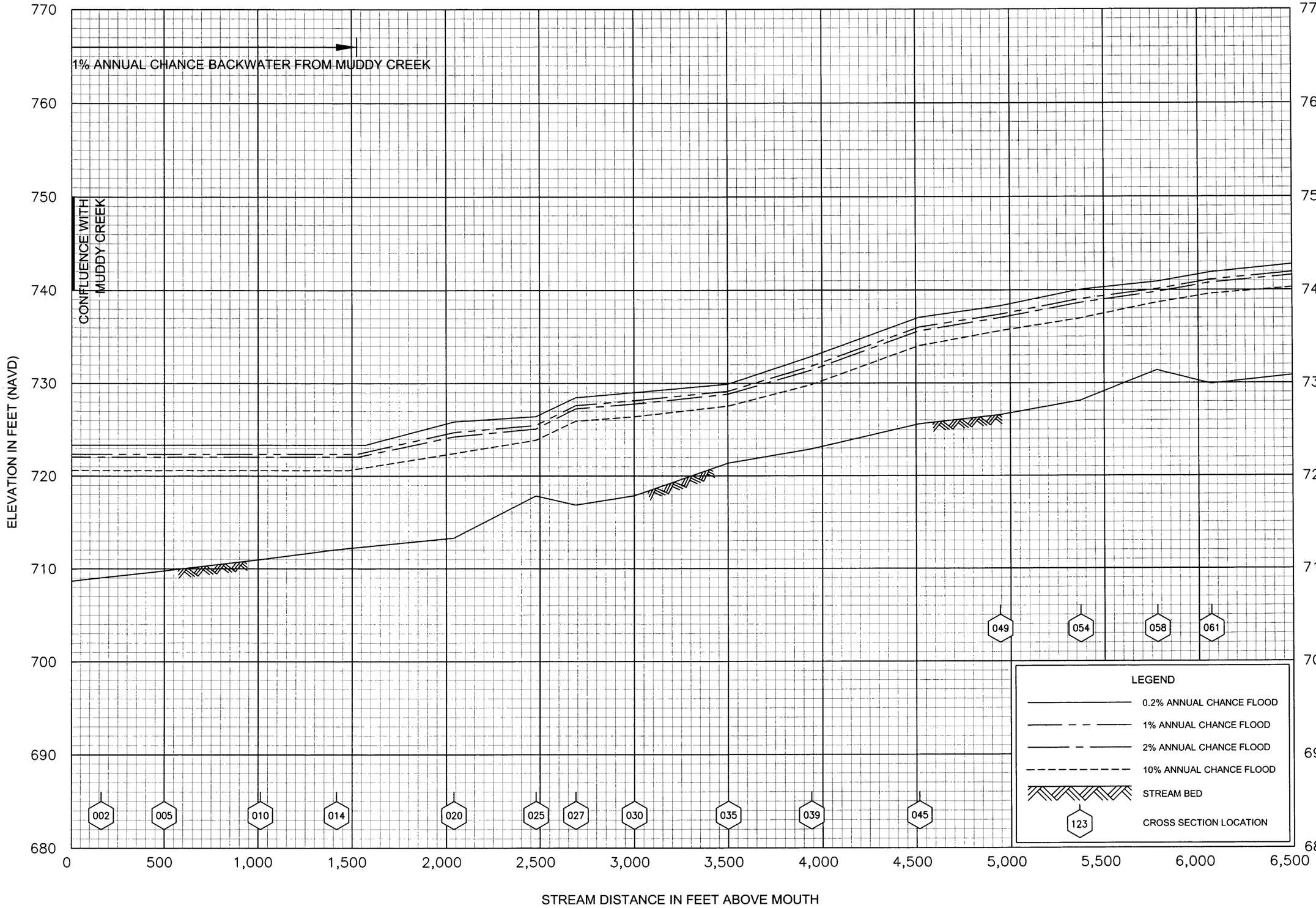

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MUDDY CREEK EAST TRIBUTARY

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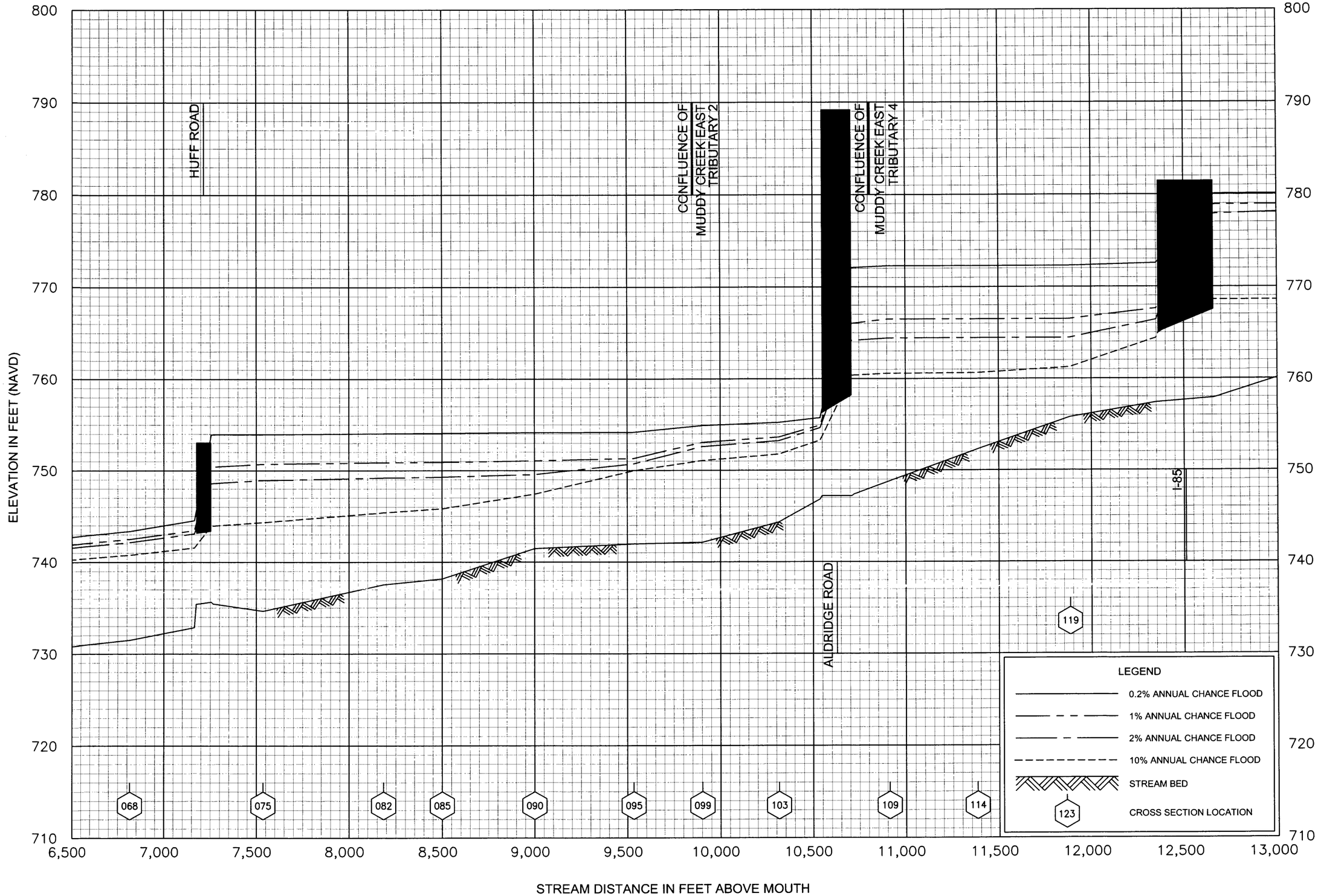

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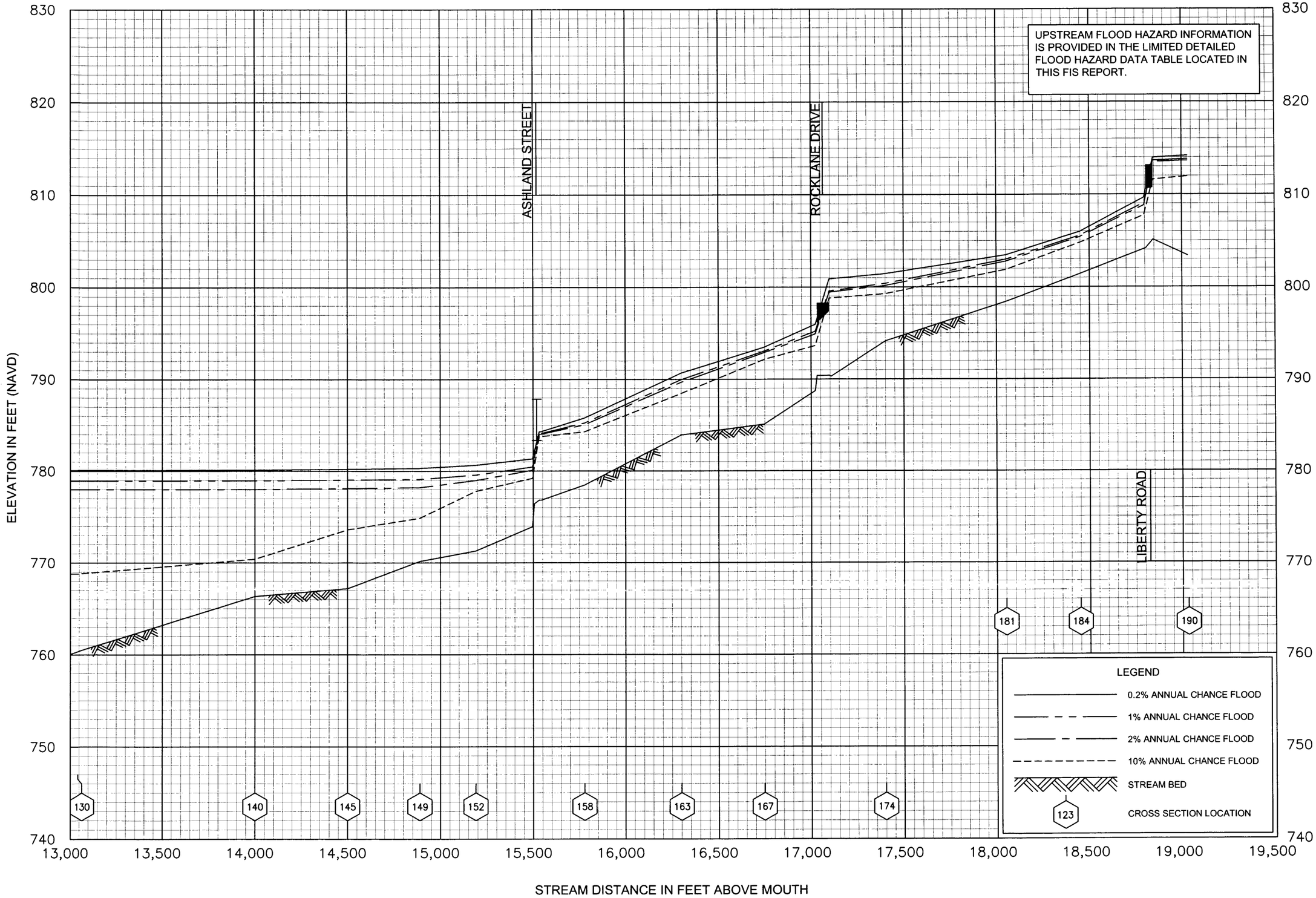

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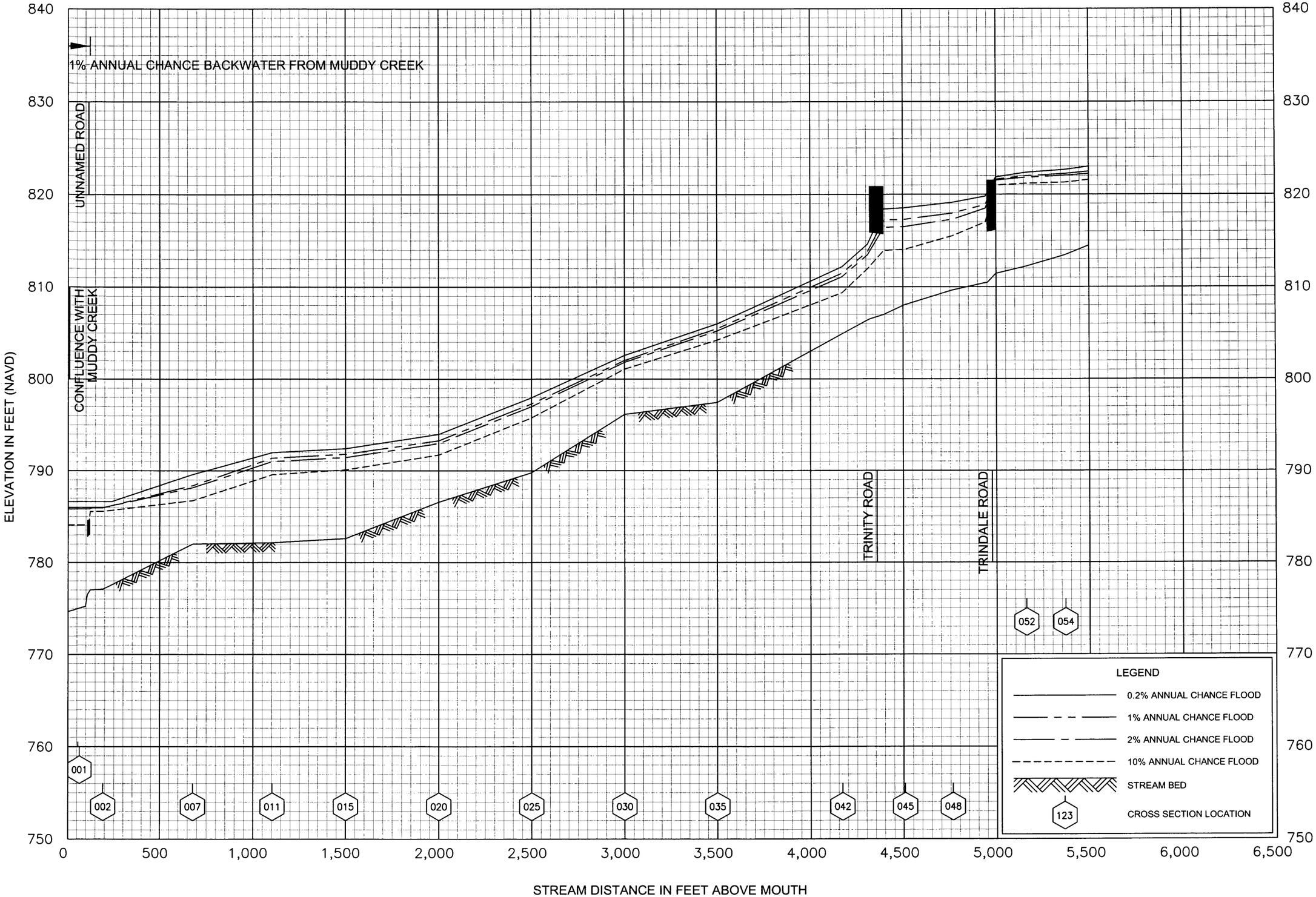

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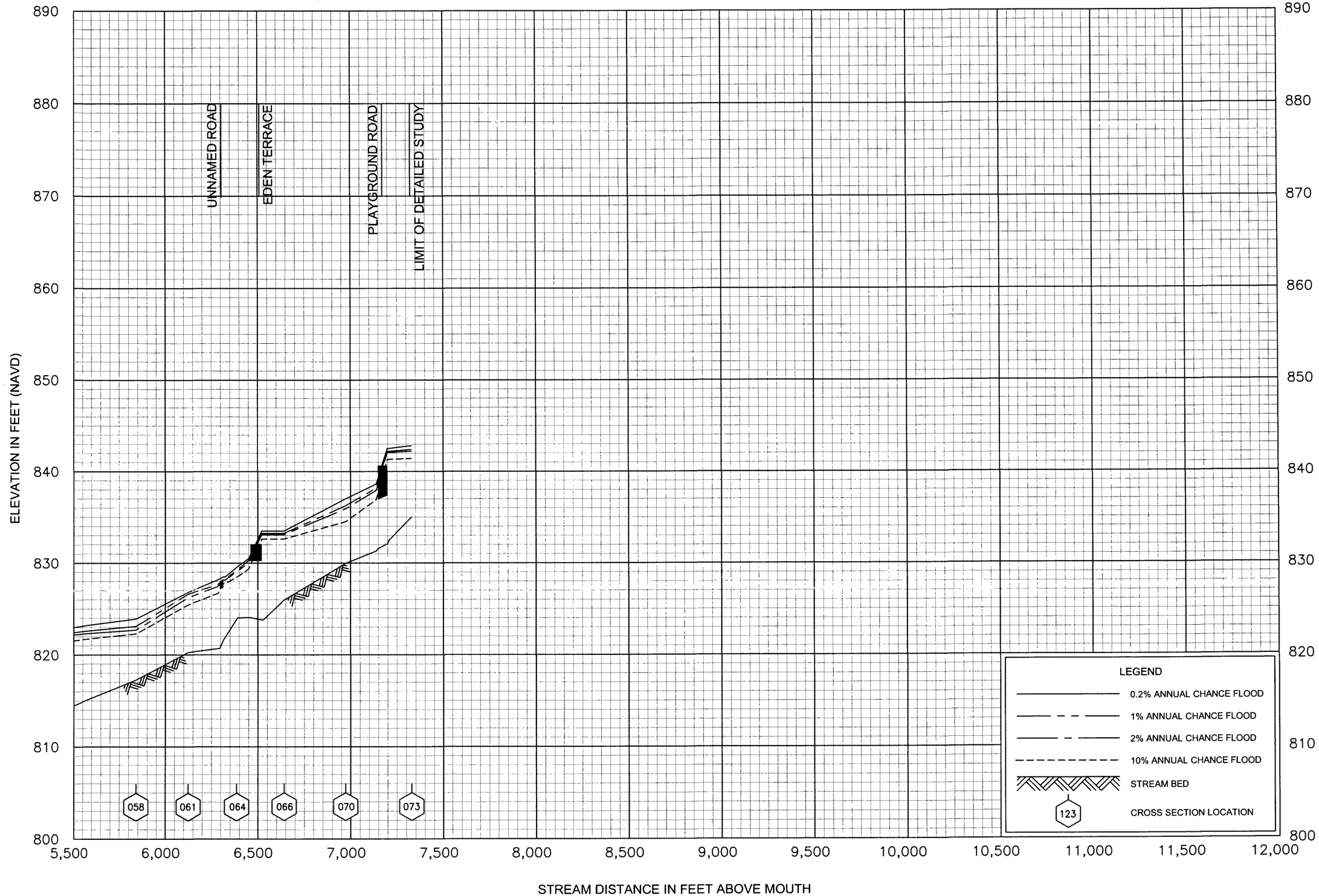

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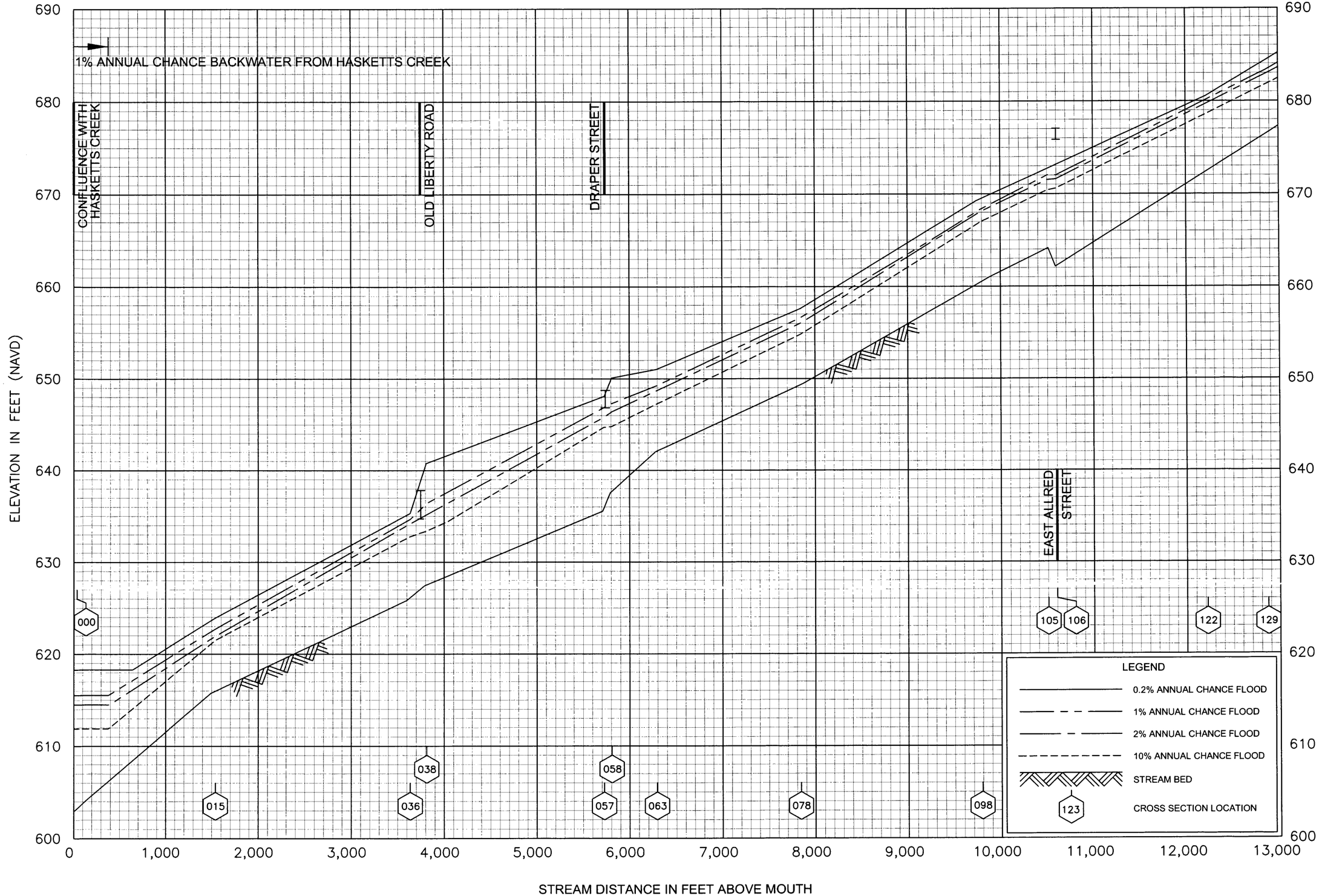

FLOOD PROFILES

PENWOOD BRANCH

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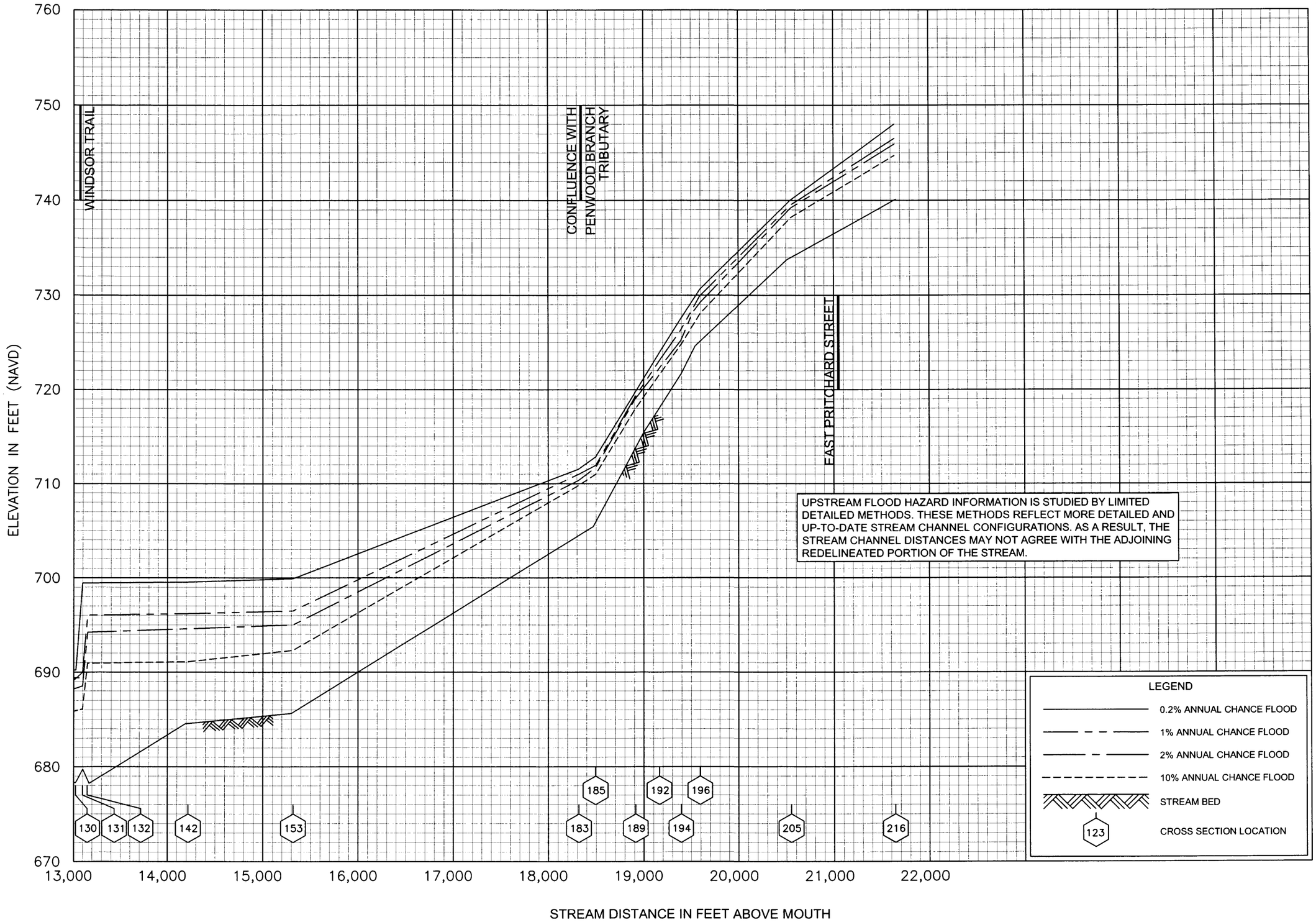

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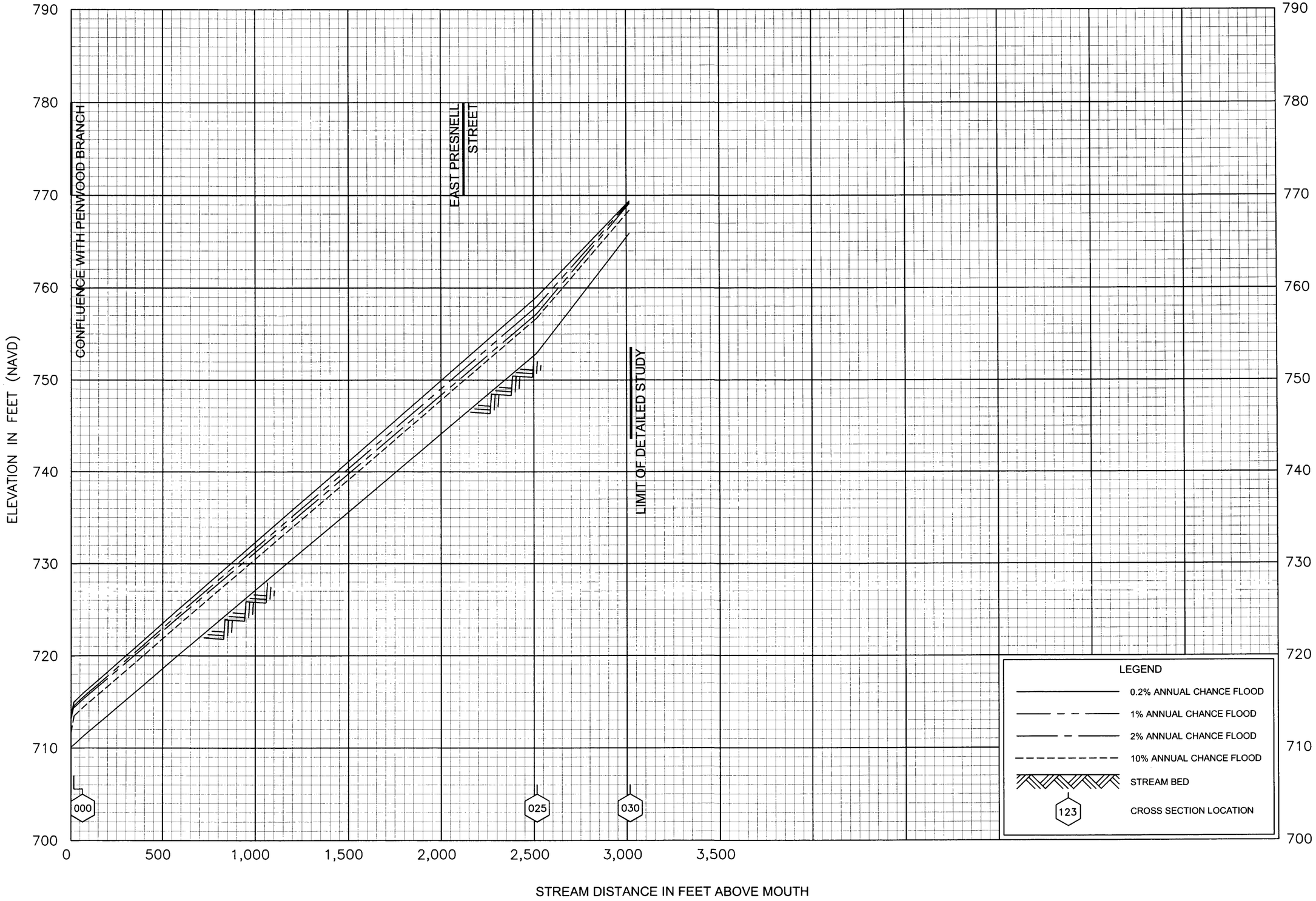

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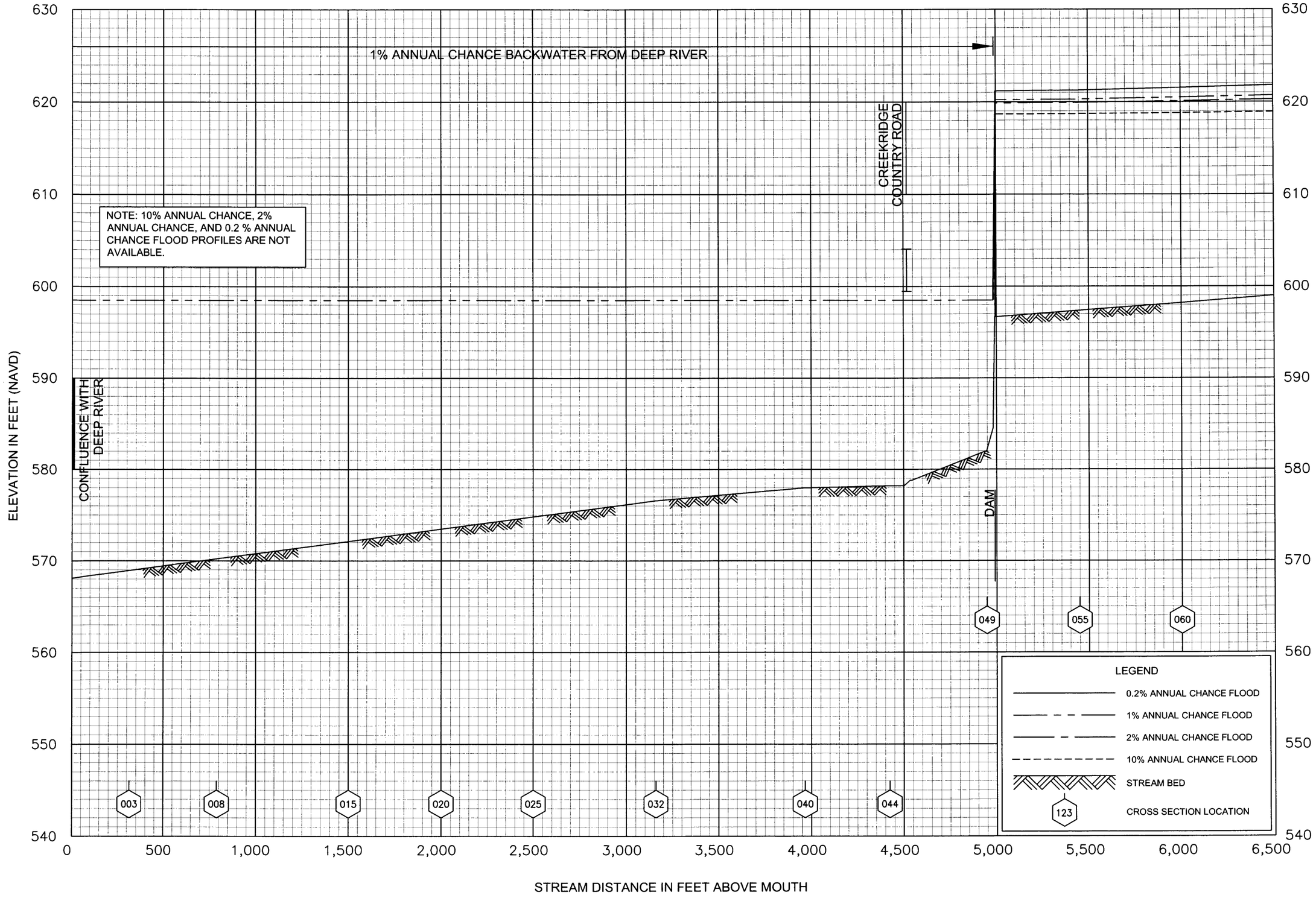

FLOOD PROFILES

POLECAT CREEK

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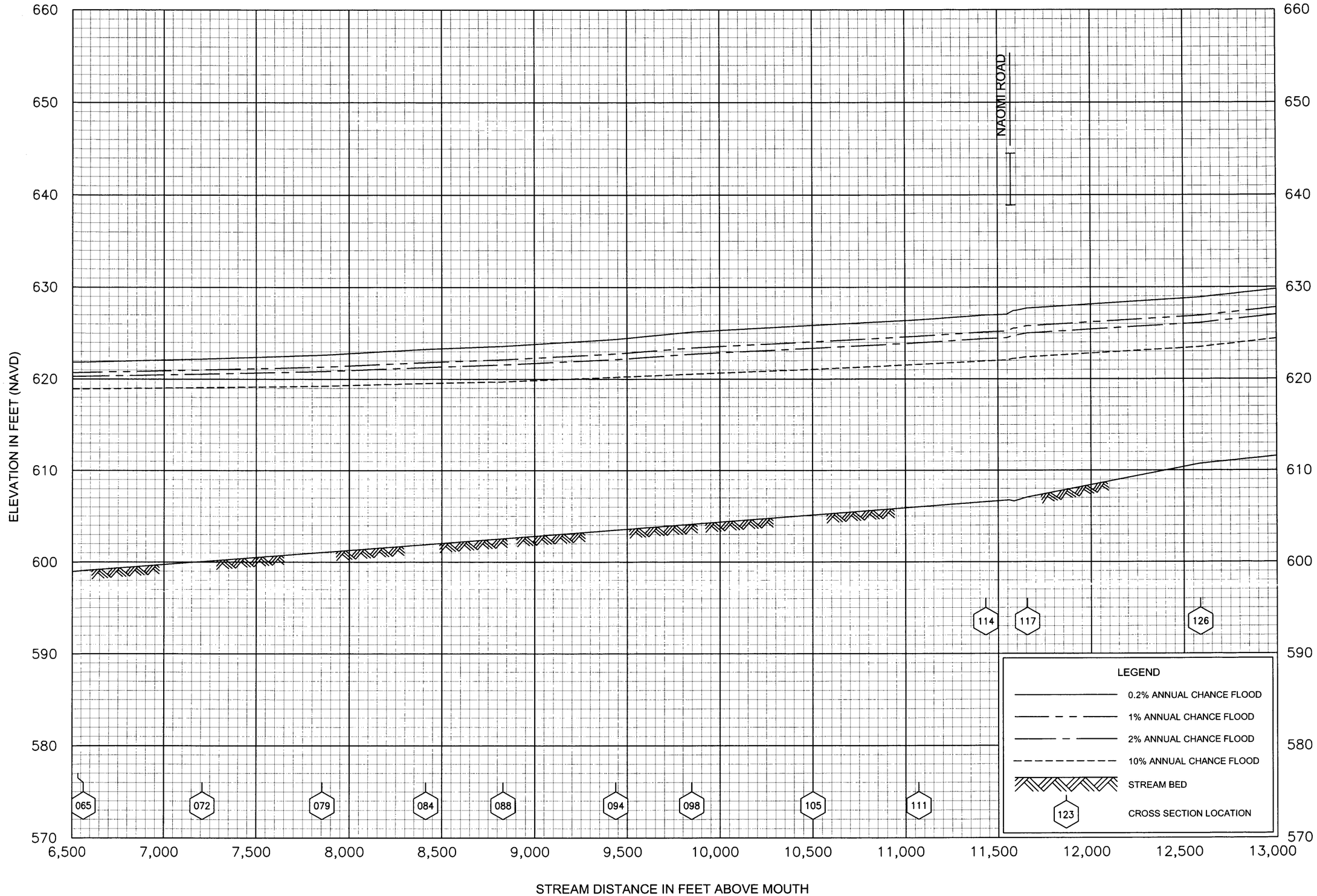

FLOOD PROFILES

POLECAT CREEK

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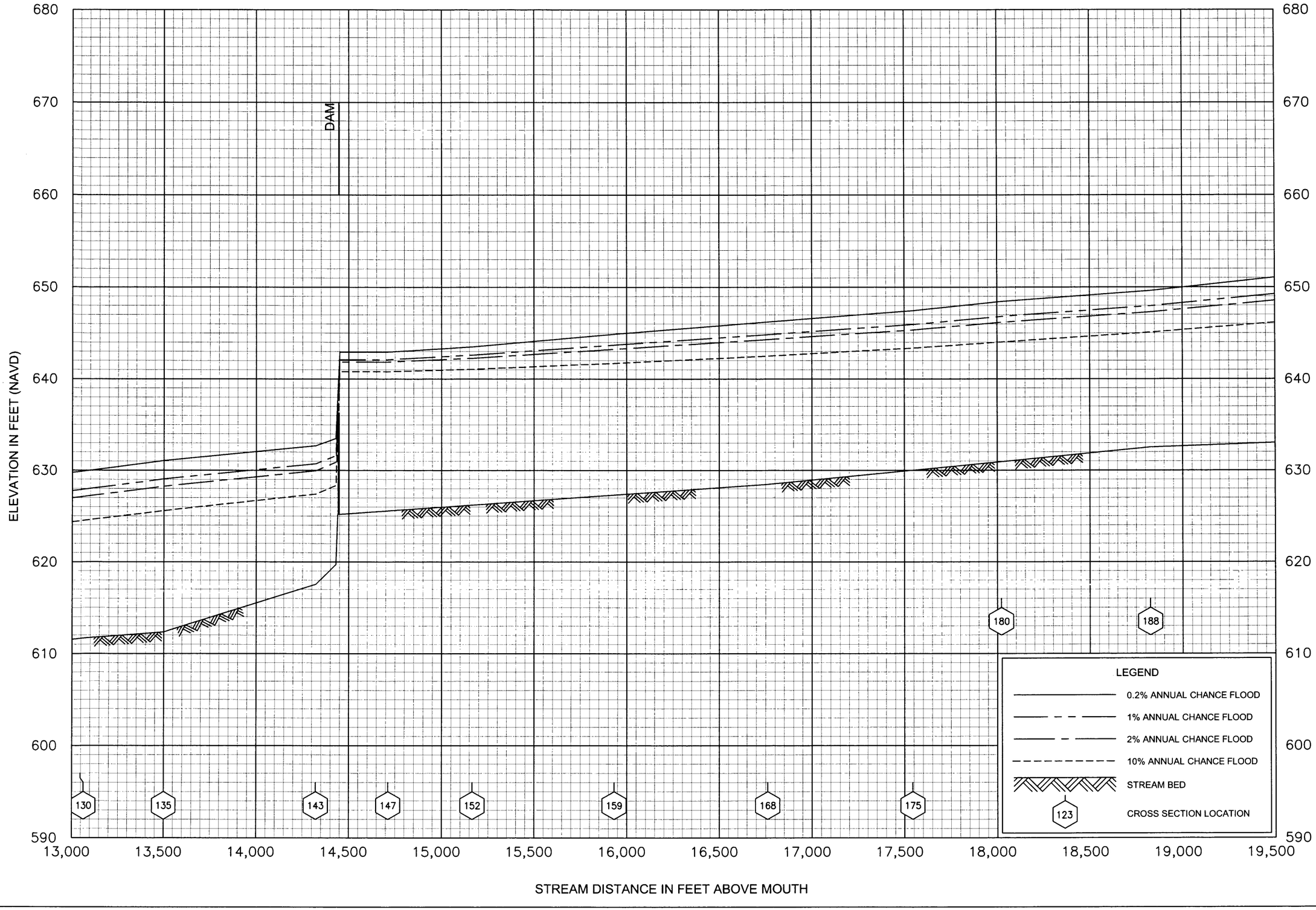
RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

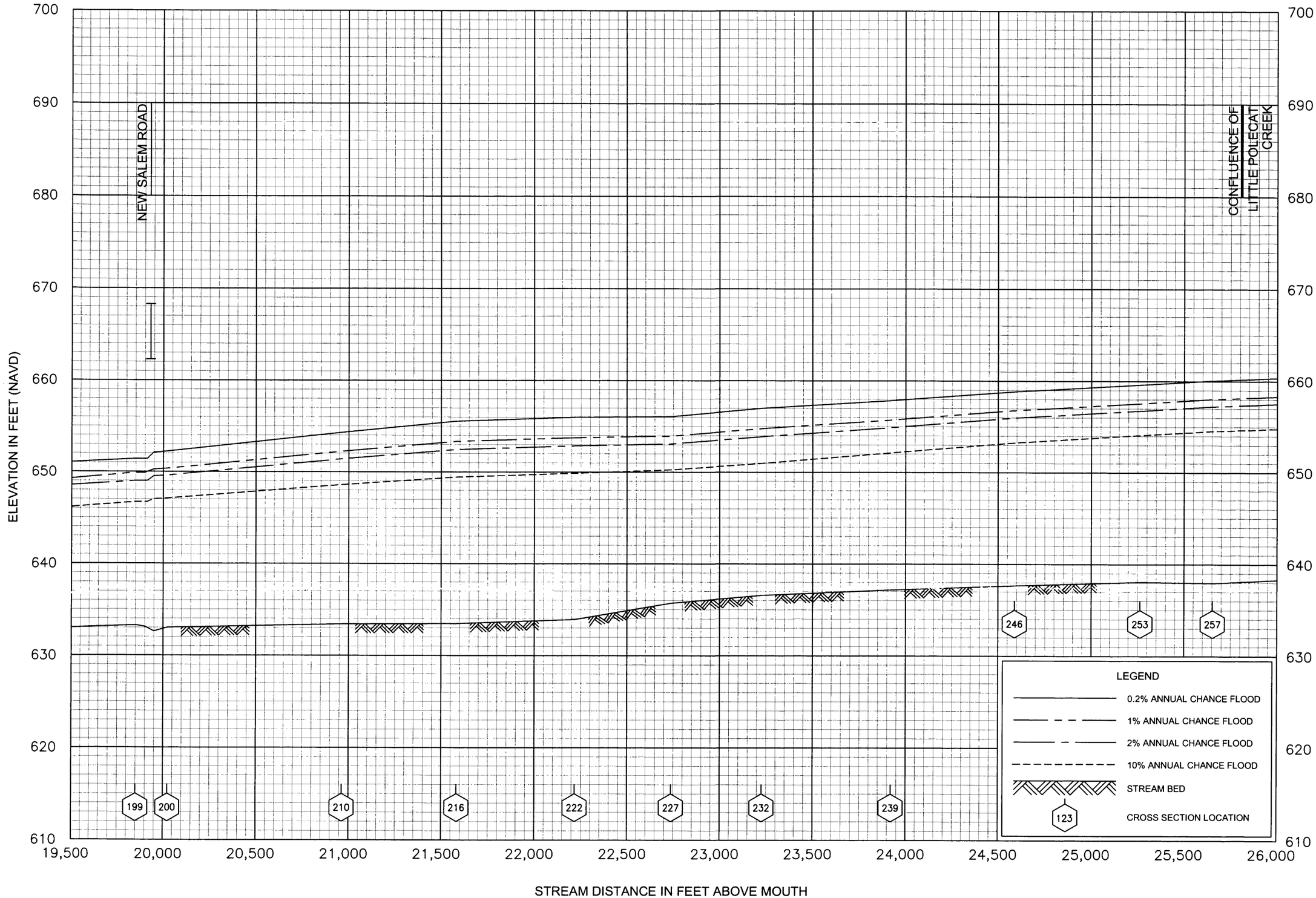


FLOOD PROFILES

POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

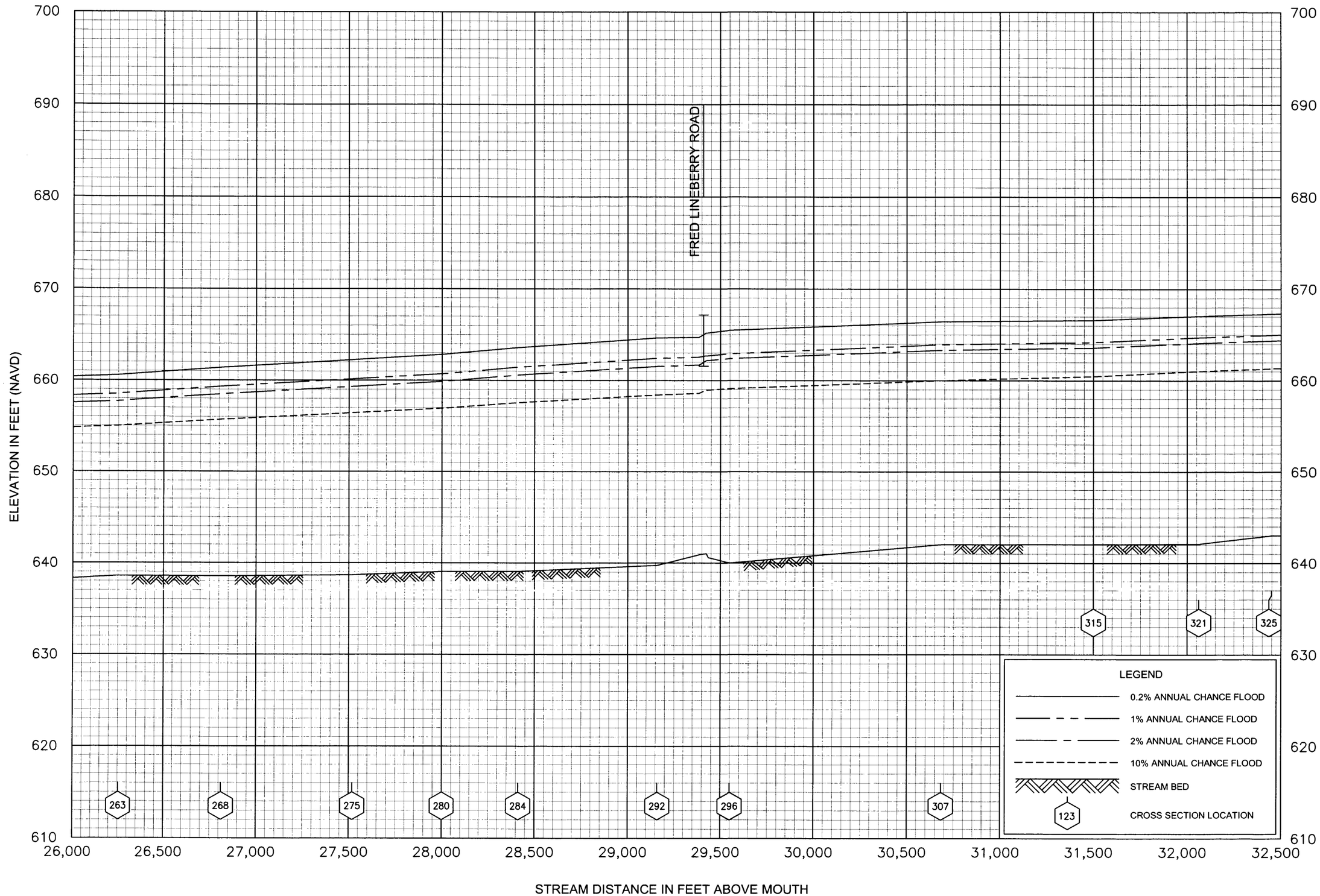


FLOOD PROFILES

POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

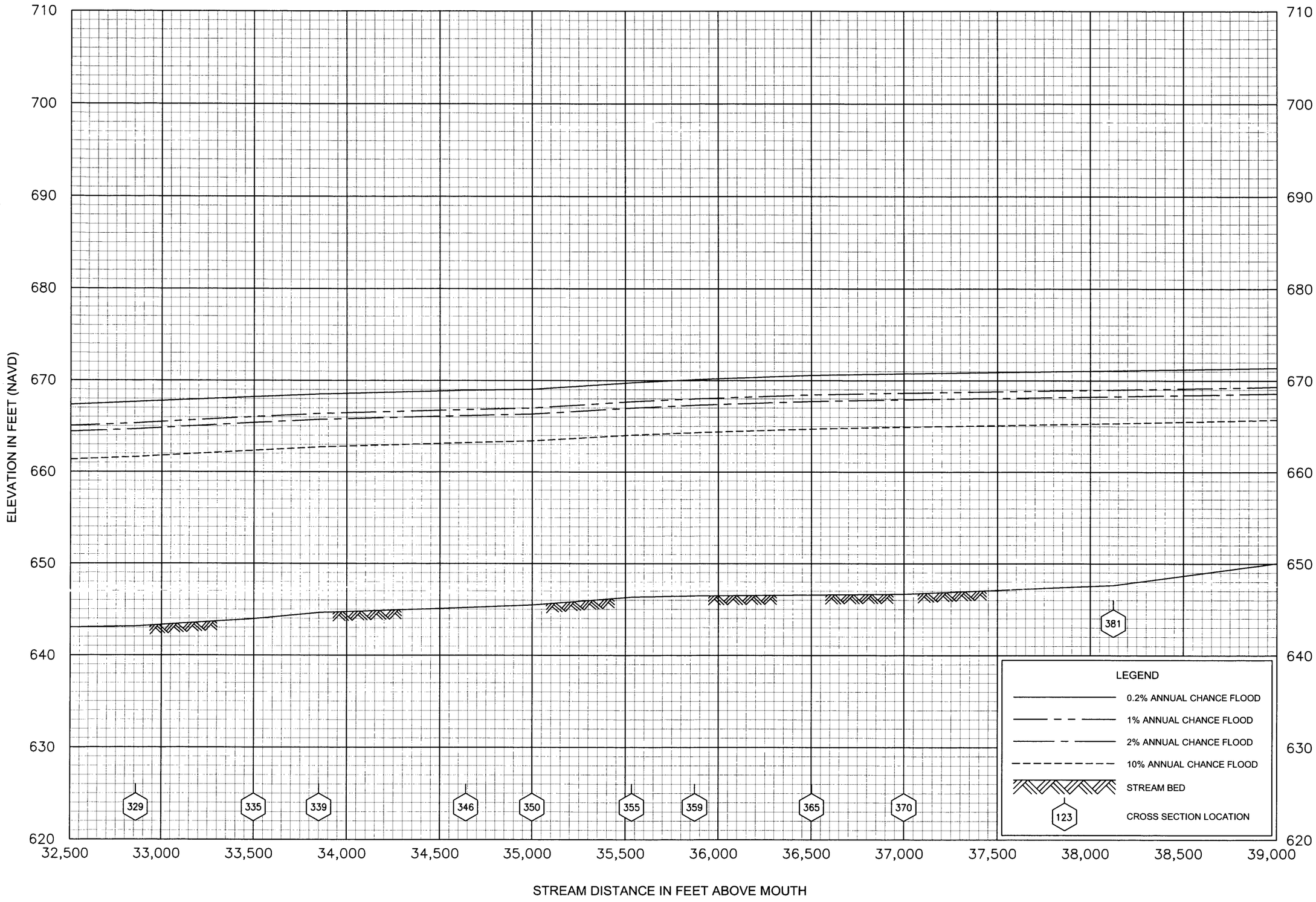


FLOOD PROFILES

POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

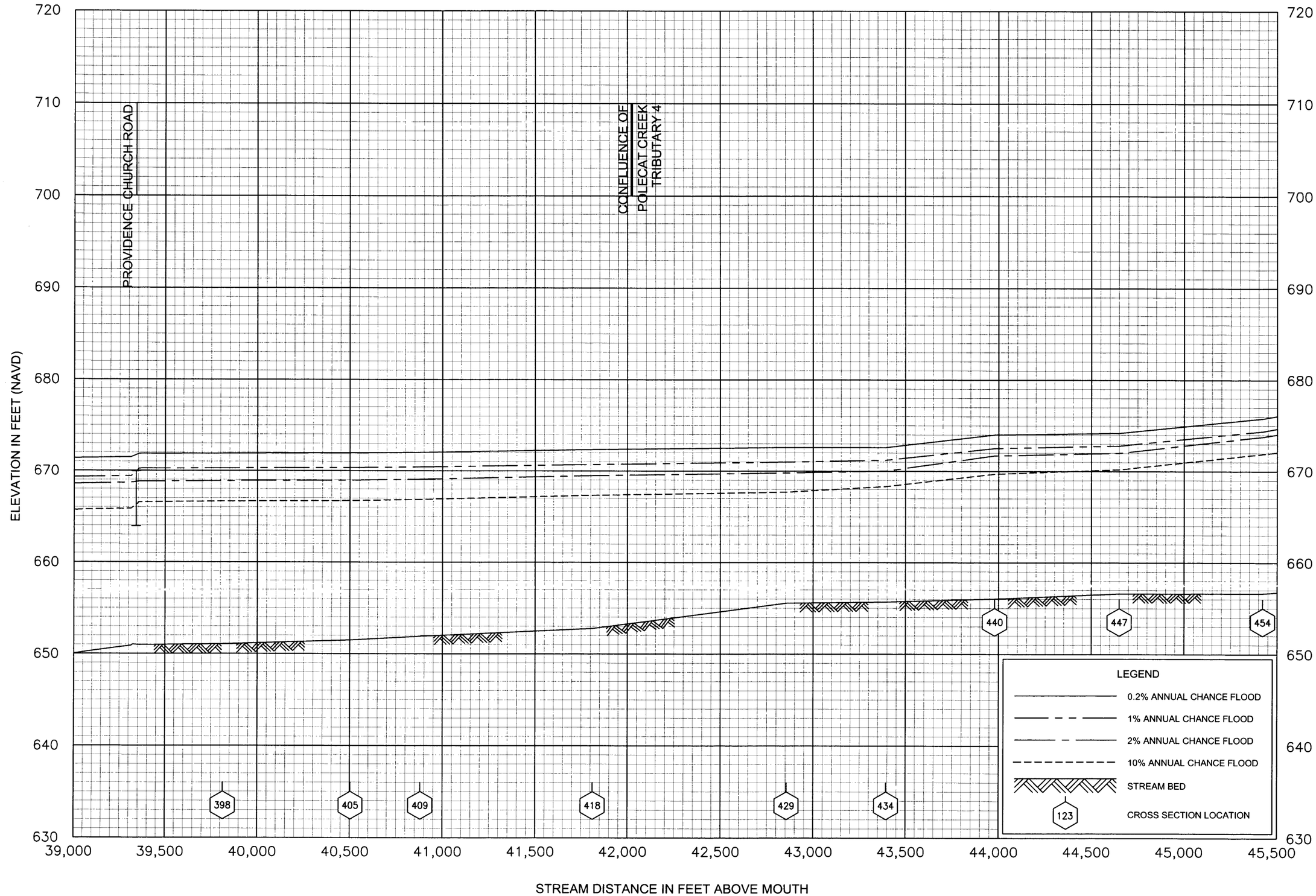


FLOOD PROFILES

POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

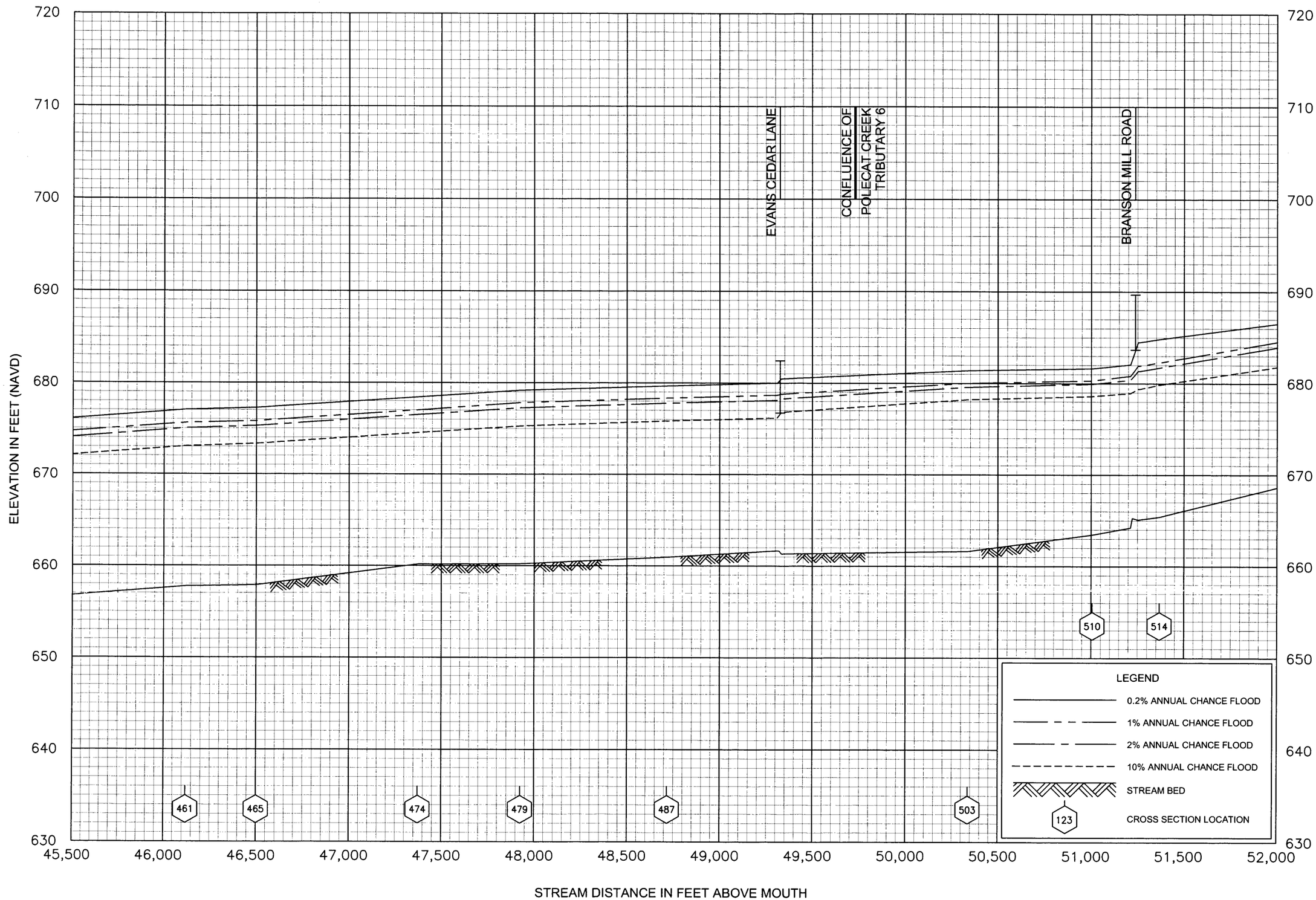


FLOOD PROFILES

POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

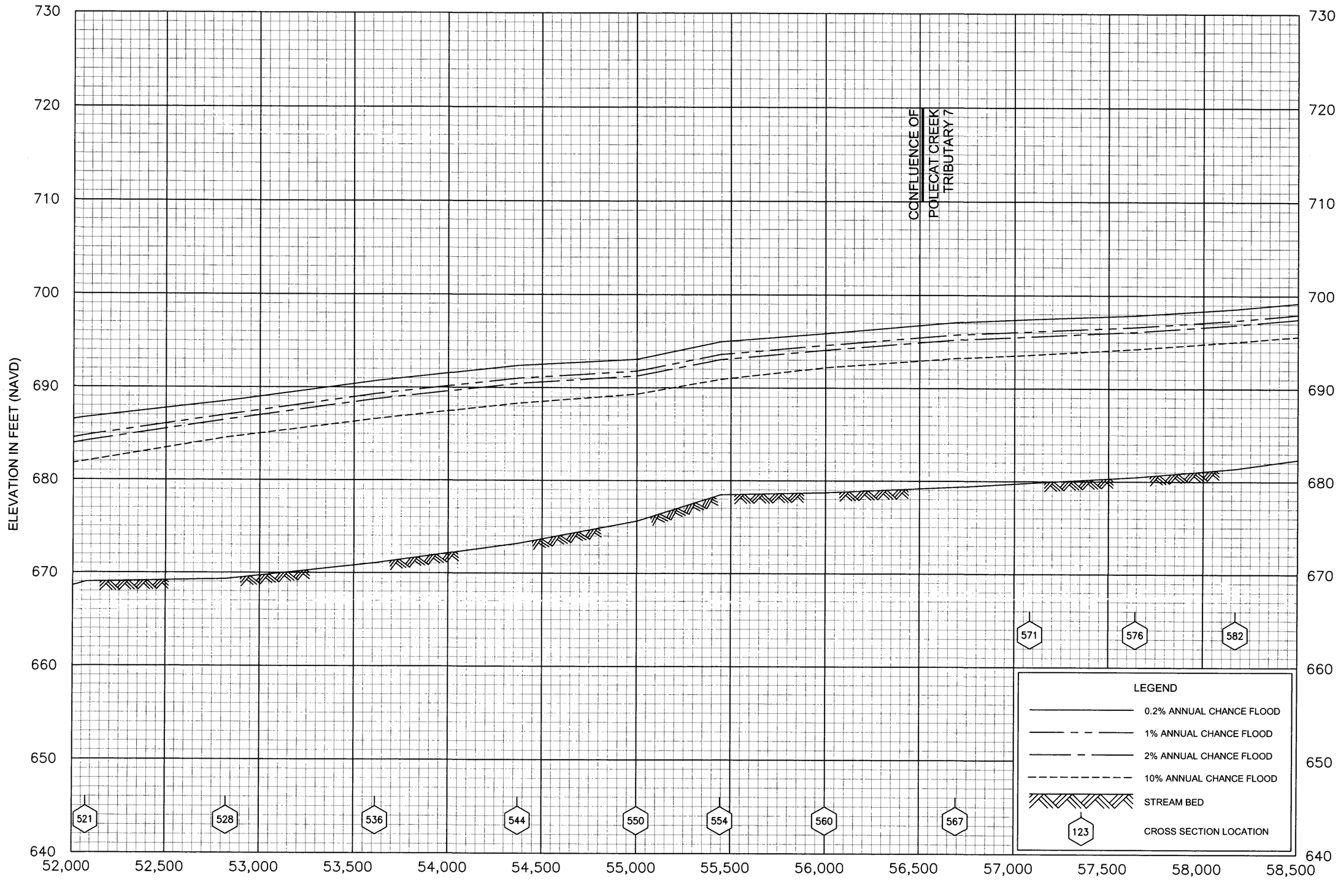


FLOOD PROFILES

POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

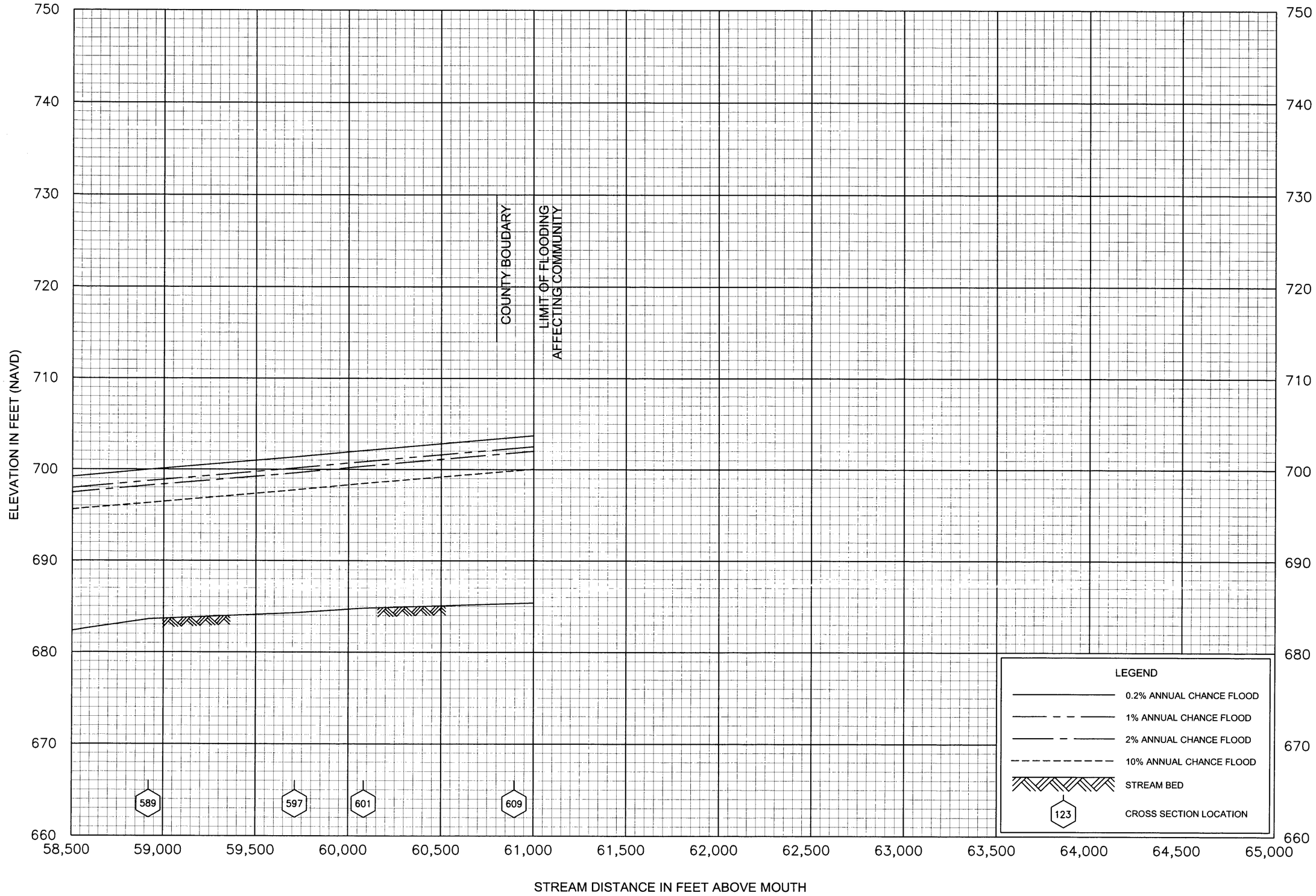


FLOOD PROFILES

POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

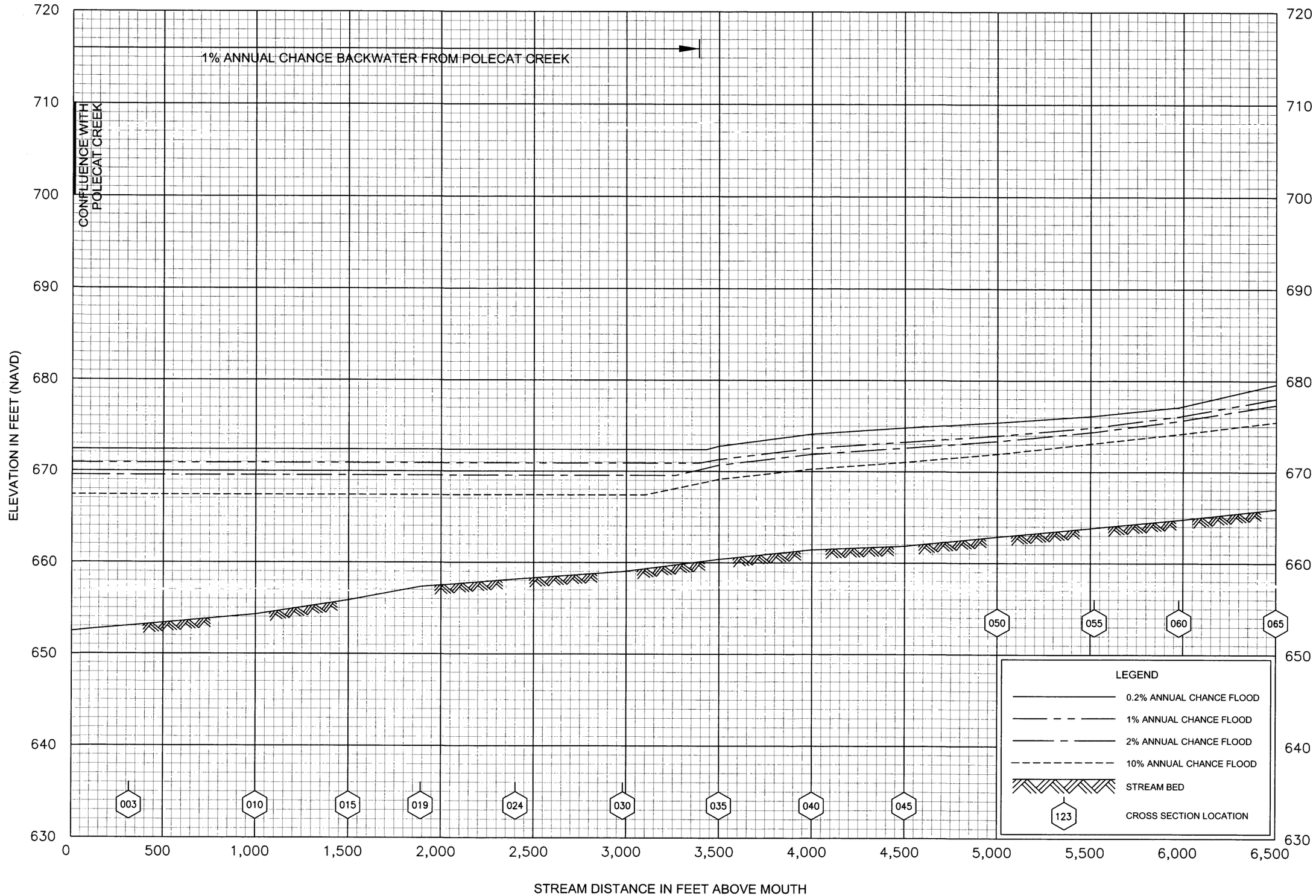


FLOOD PROFILES

POLECAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

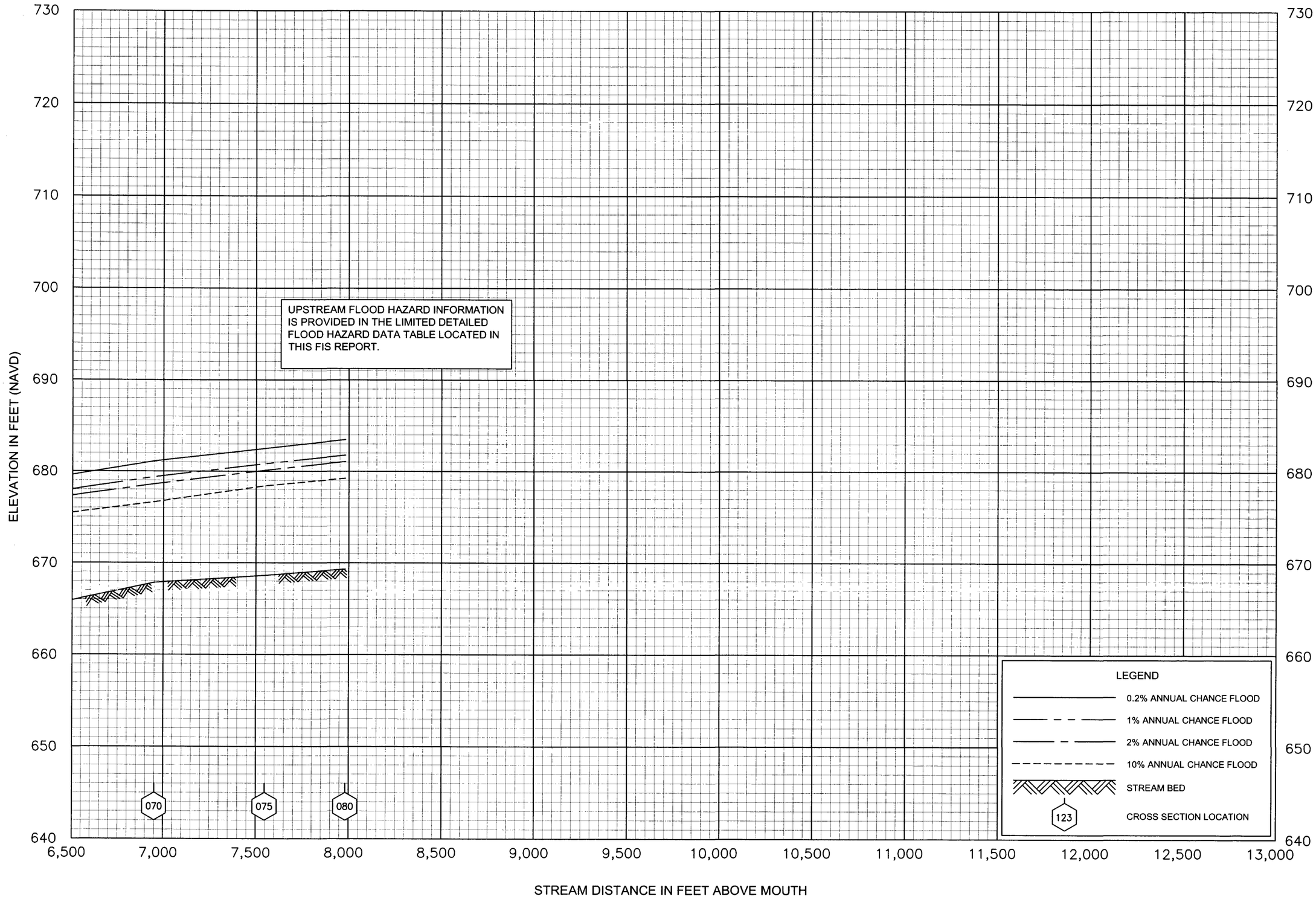


FLOOD PROFILES

POLECAT CREEK TRIBUTARY 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

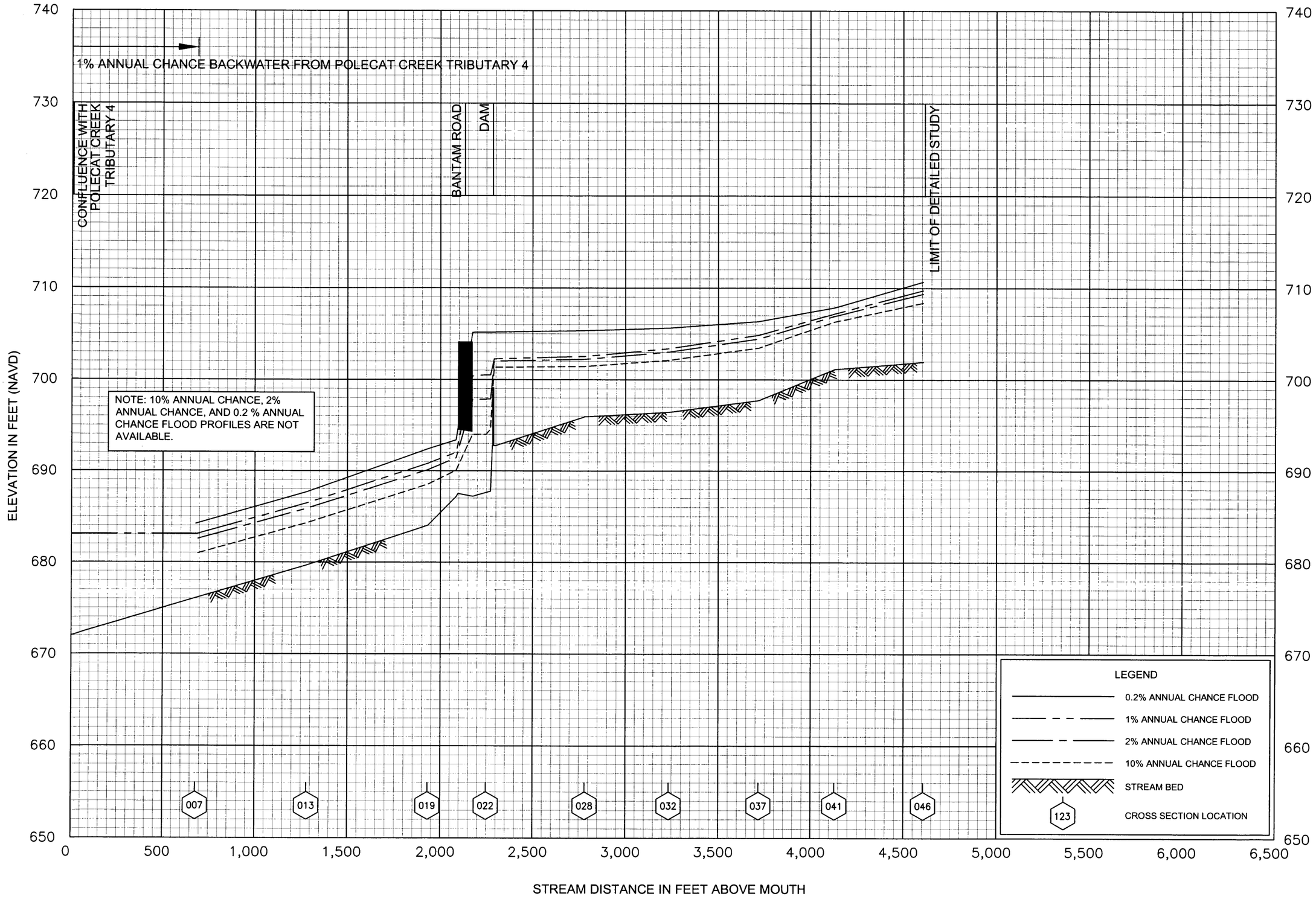


FLOOD PROFILES

POLECAT CREEK TRIBUTARY 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS



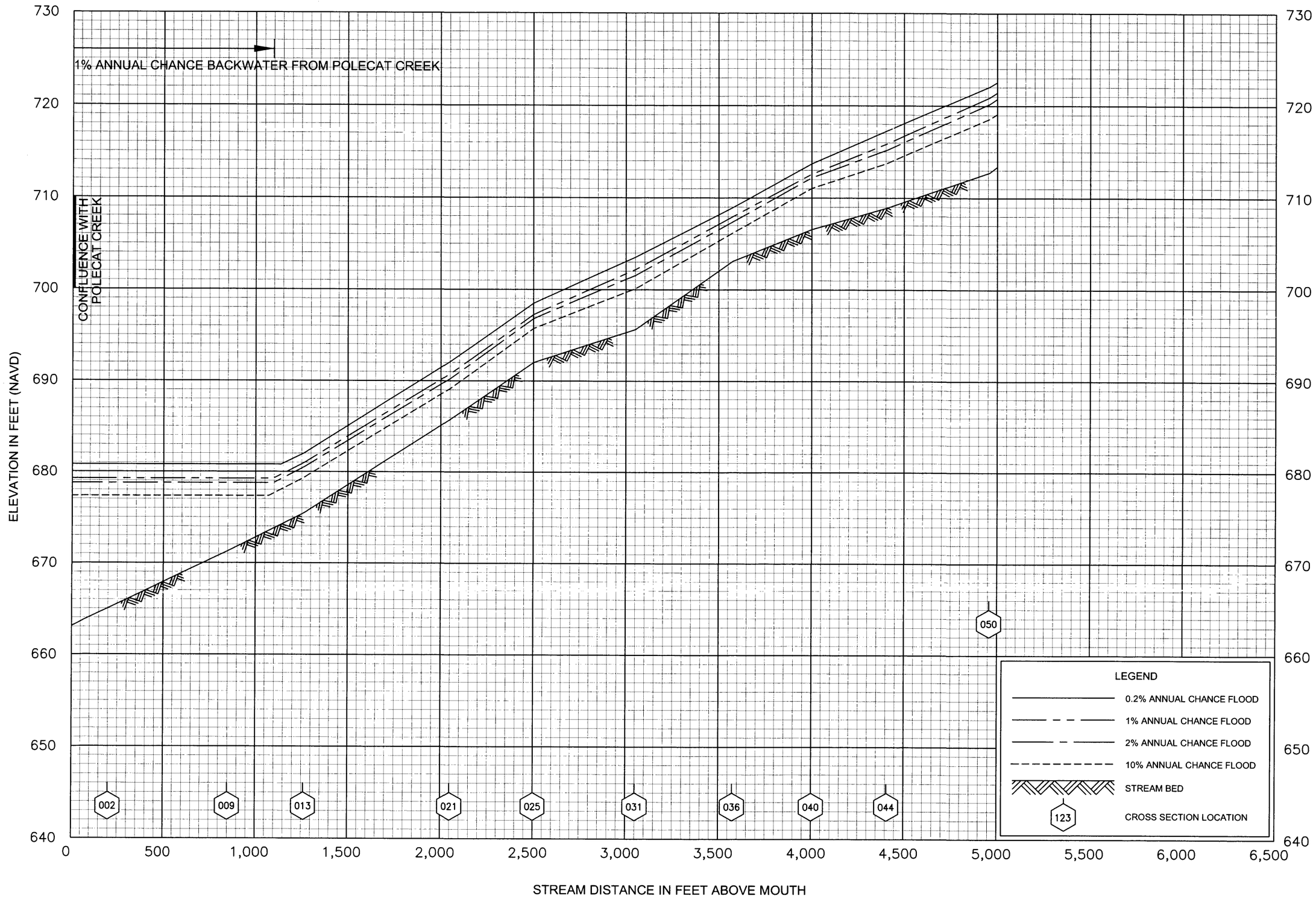
FLOOD PROFILES

POLECAT CREEK TRIBUTARY 5

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

102P

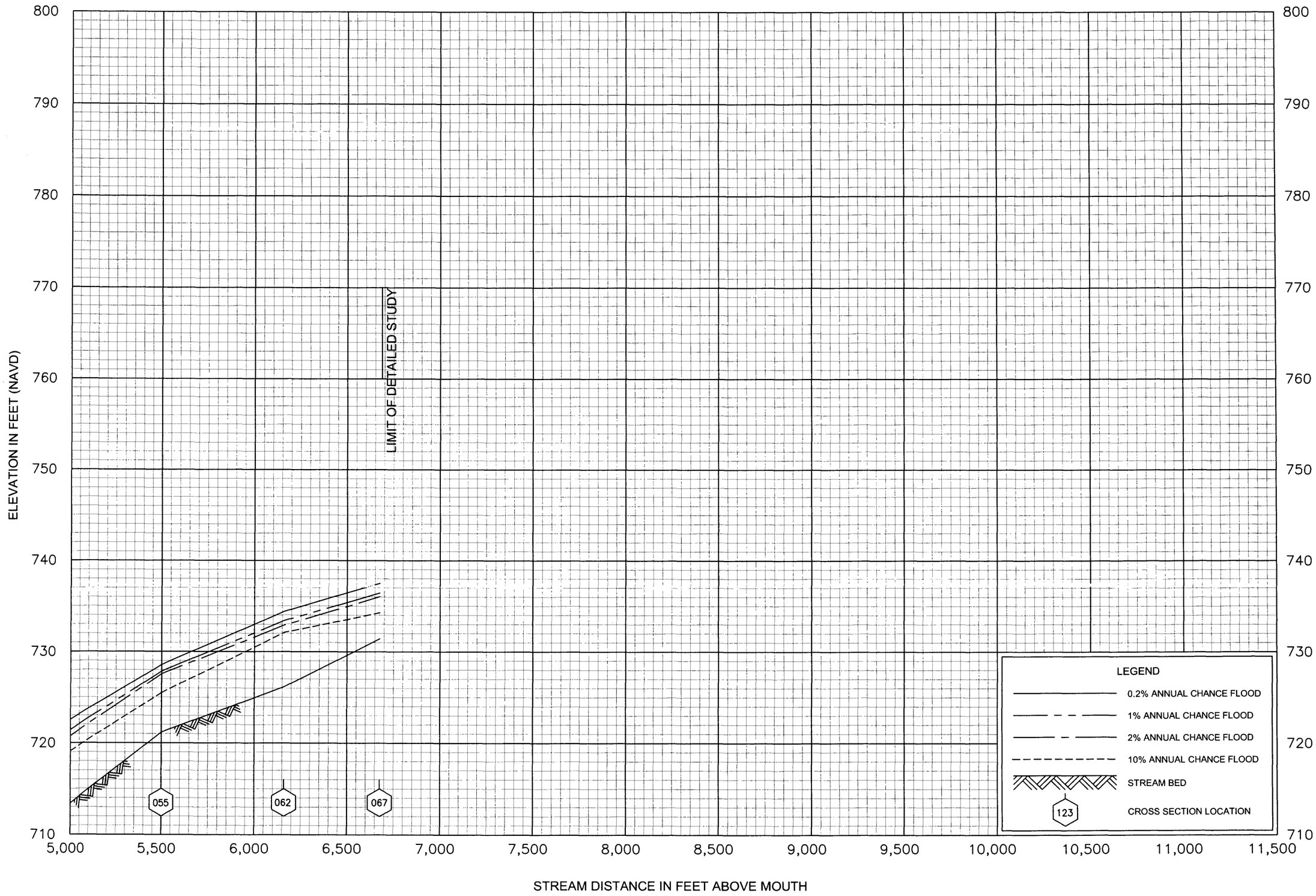


FLOOD PROFILES

POLECAT CREEK TRIBUTARY 6

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

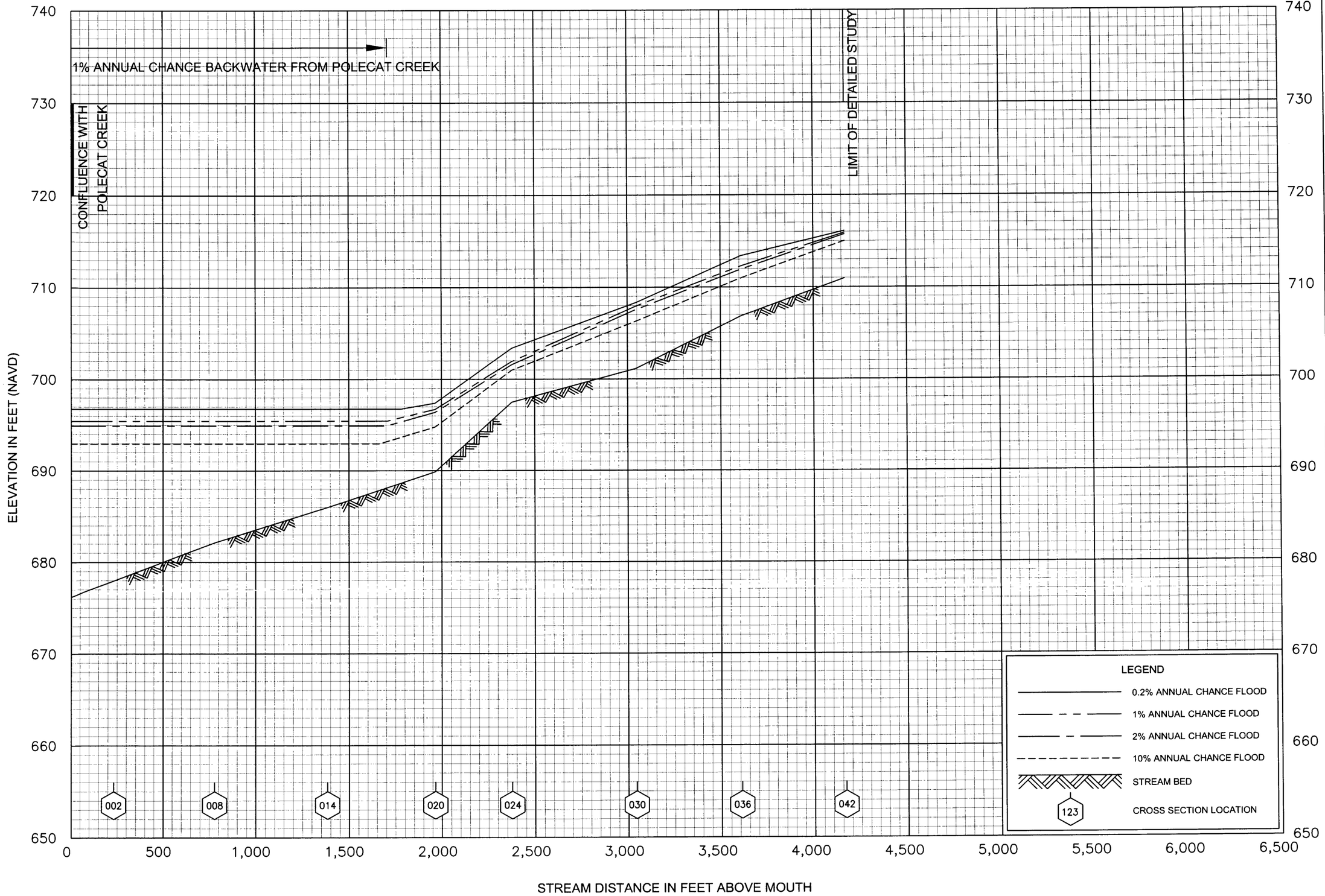


FLOOD PROFILES

POLECAT CREEK TRIBUTARY 6

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS



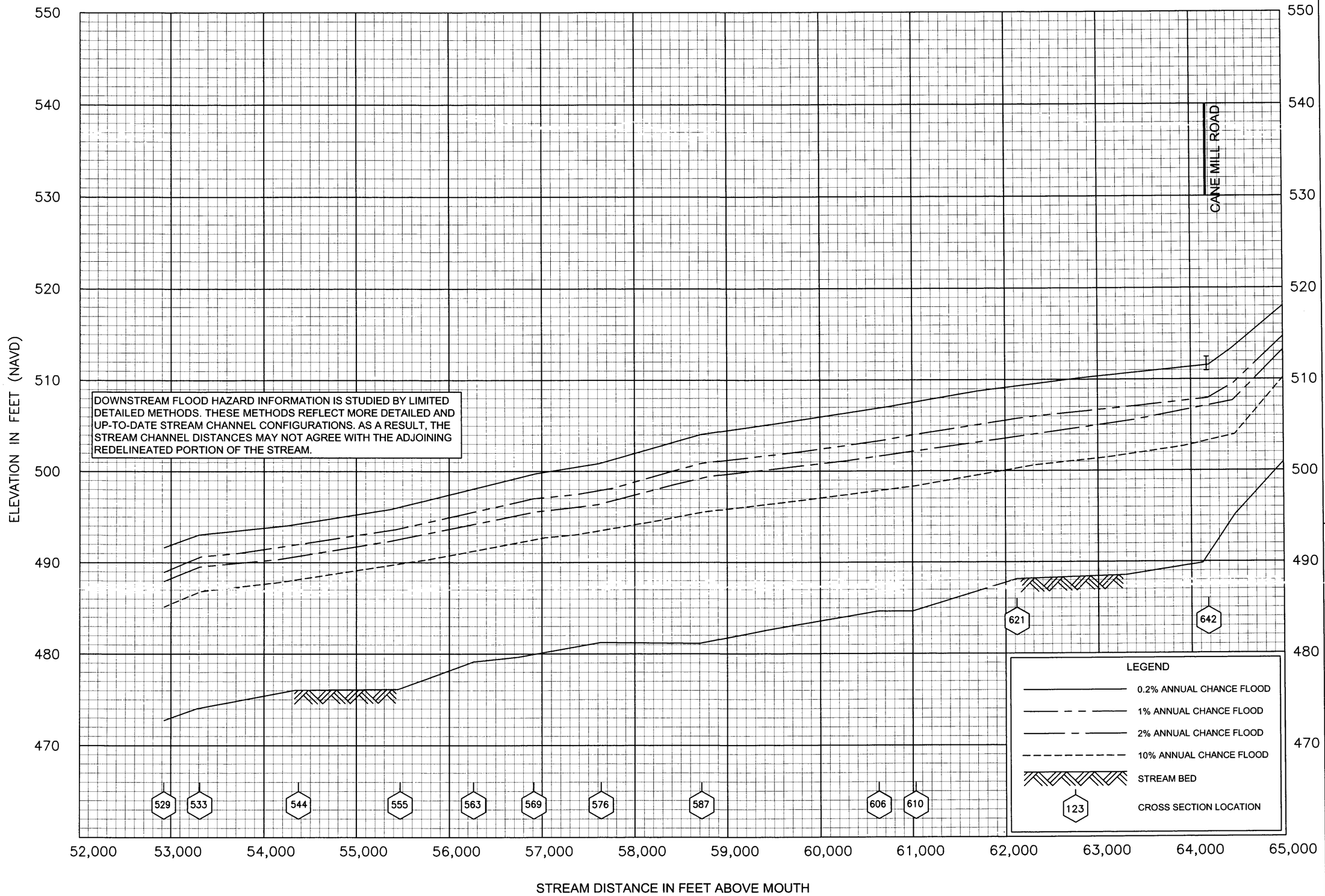
FLOOD PROFILES

POLECAT CREEK TRIBUTARY 7

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

105P

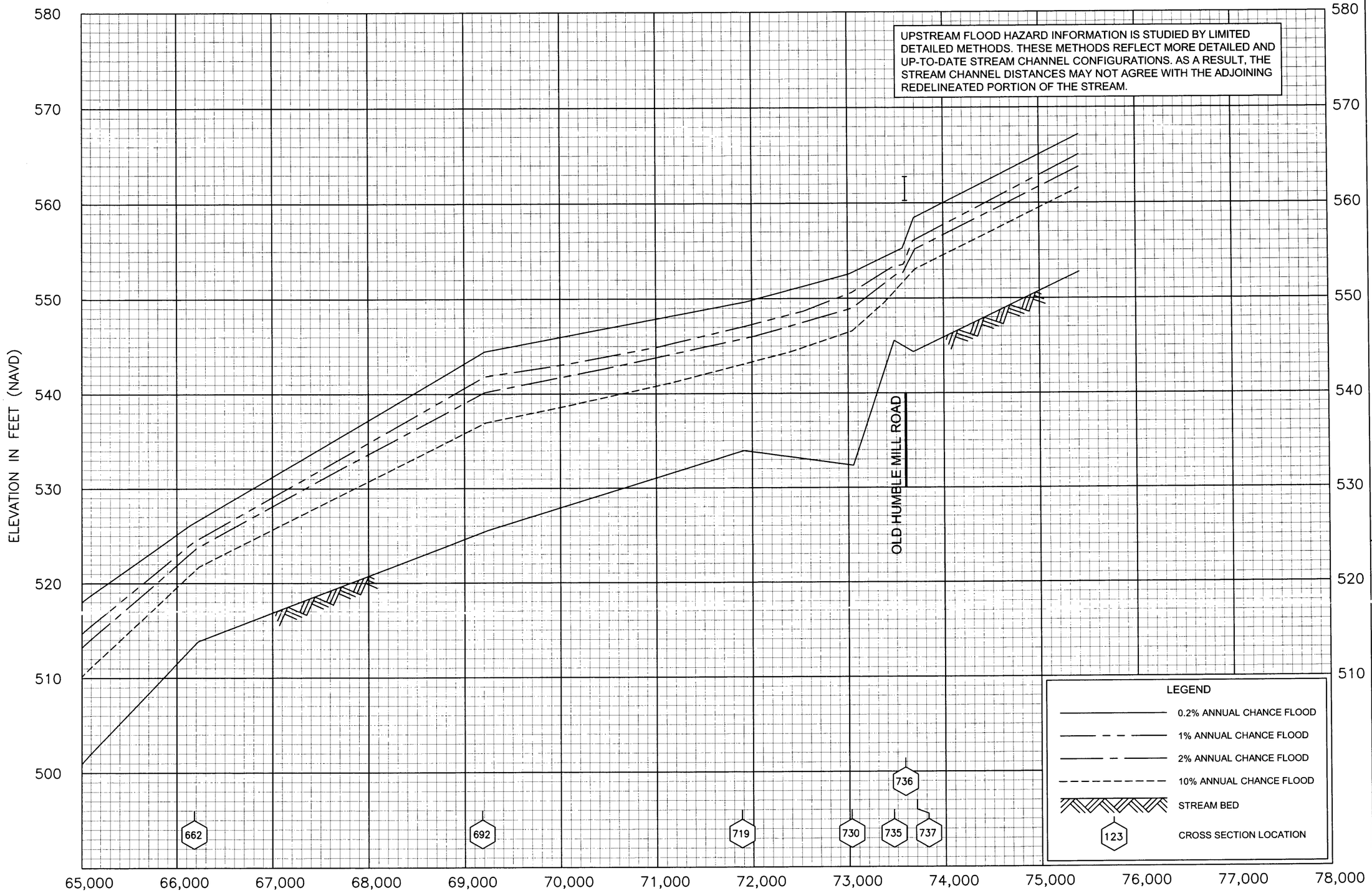


FLOOD PROFILES

RICHLAND CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

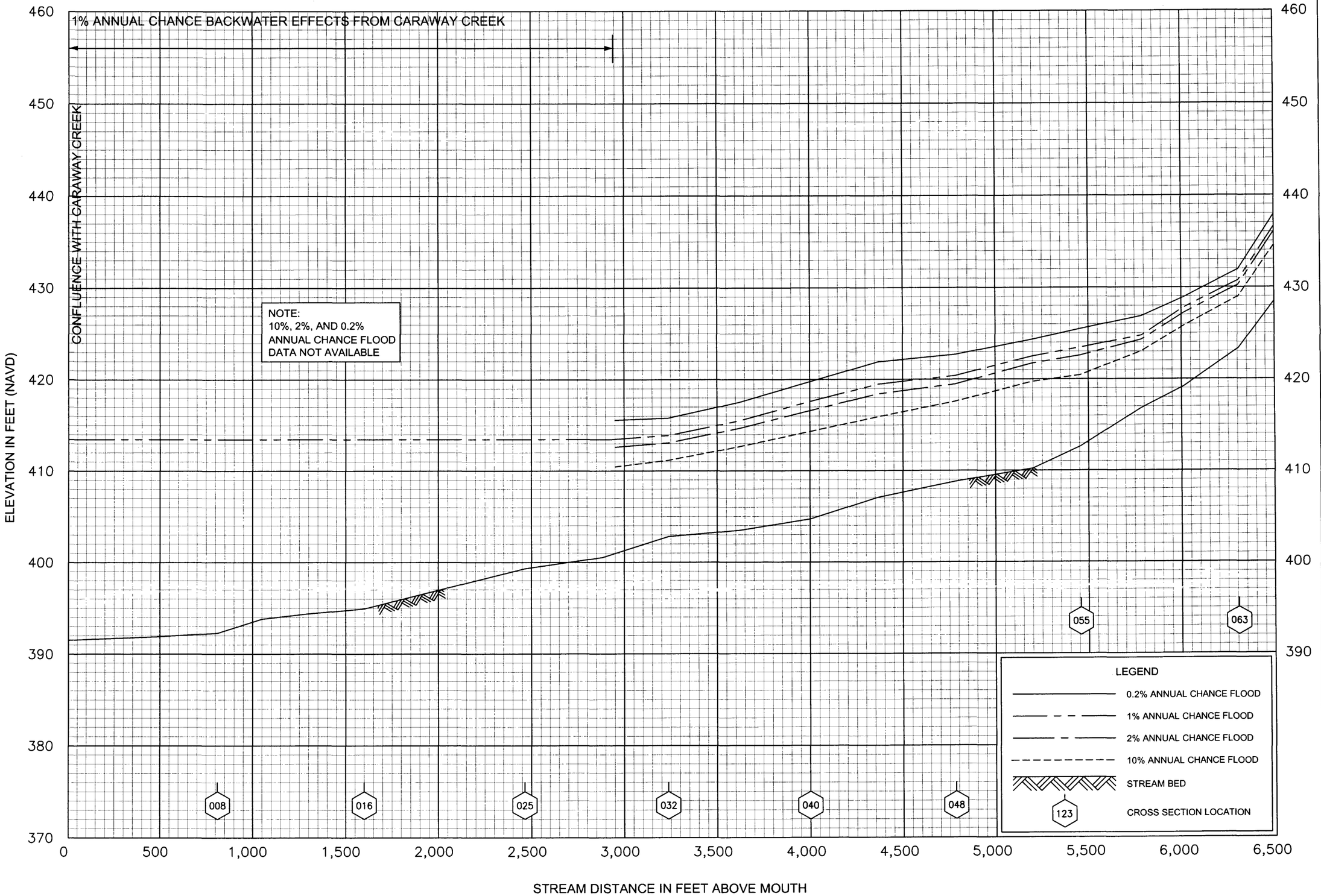


FLOOD PROFILES

RICHLAND CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

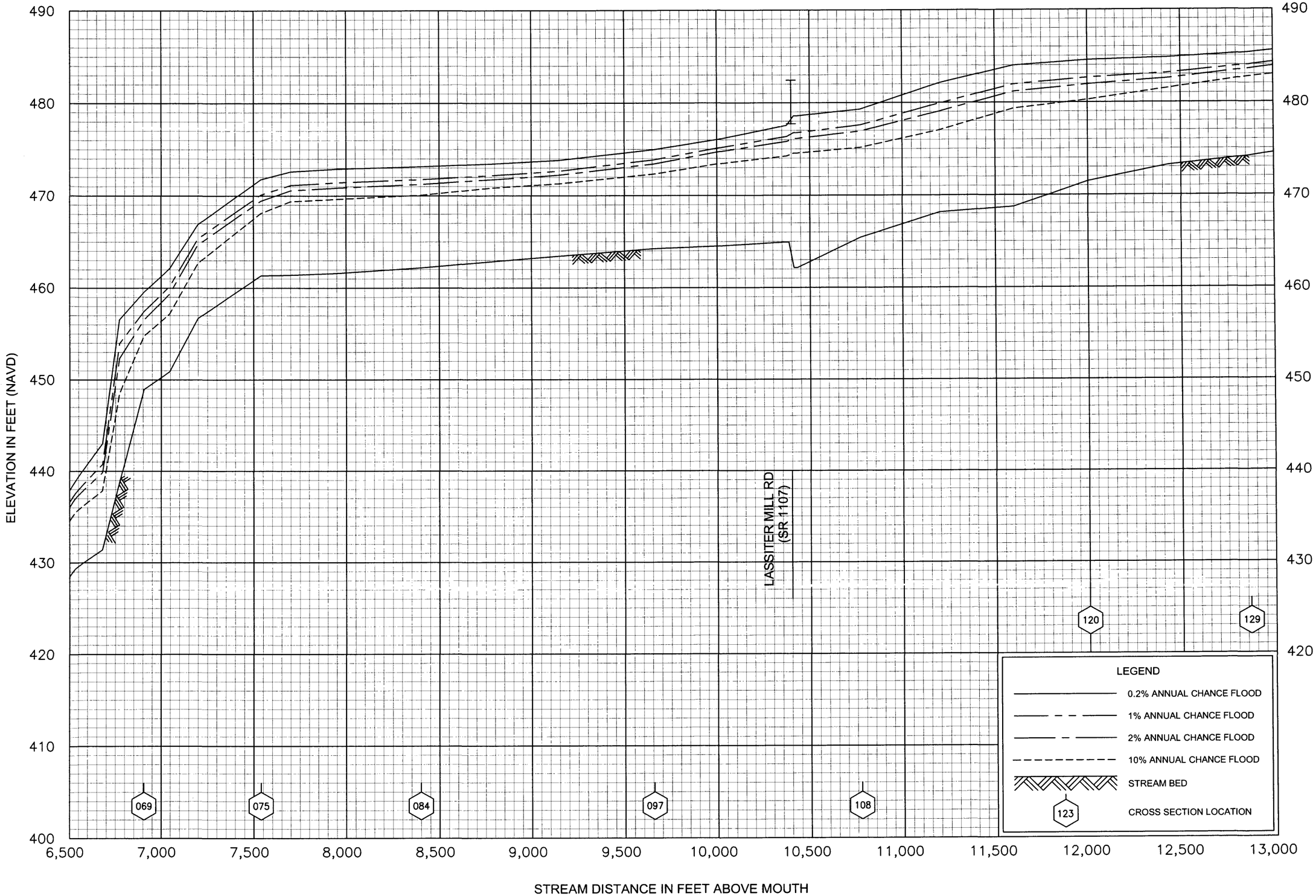


FLOOD PROFILES

TAYLORS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

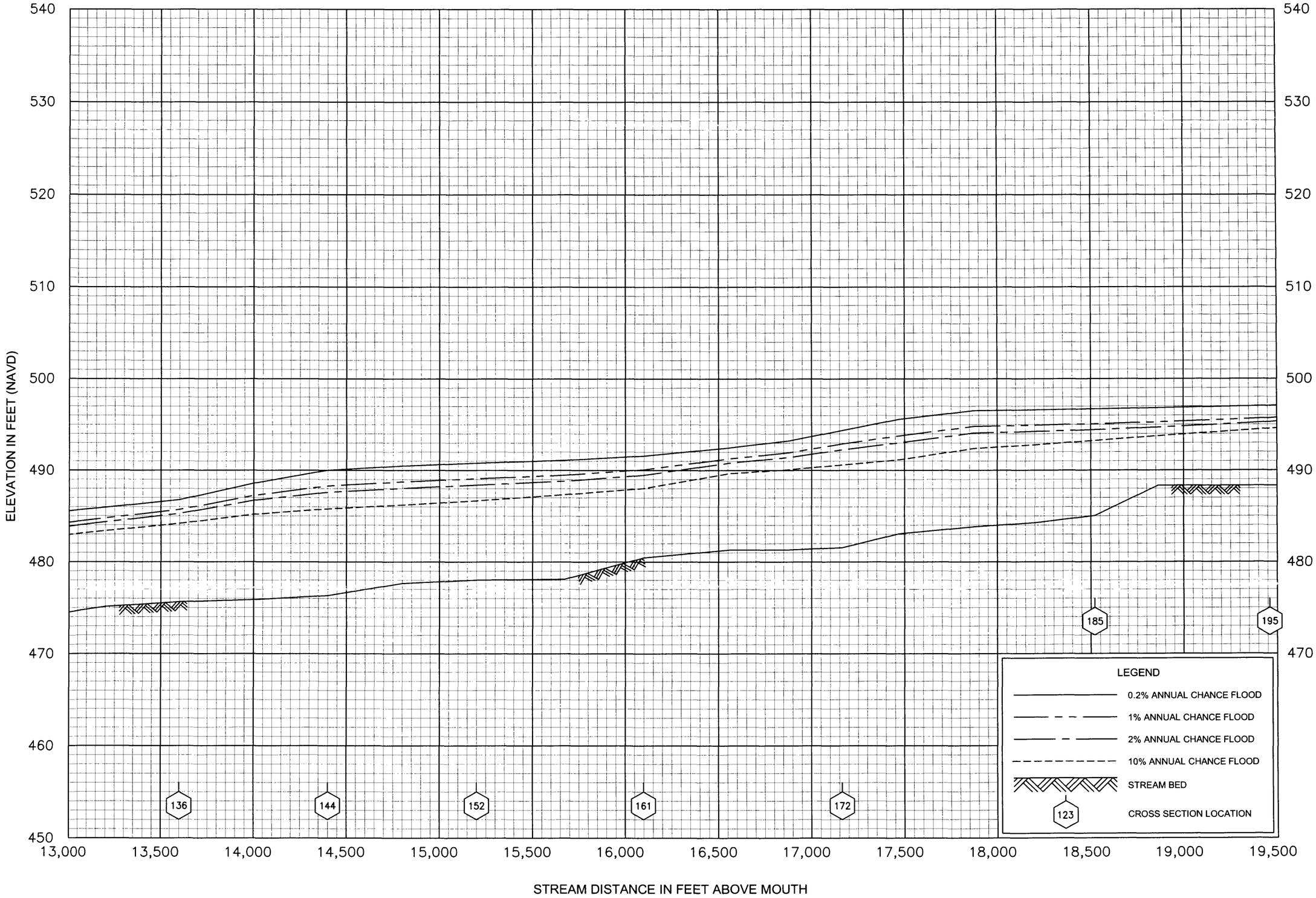


FLOOD PROFILES

TAYLORS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

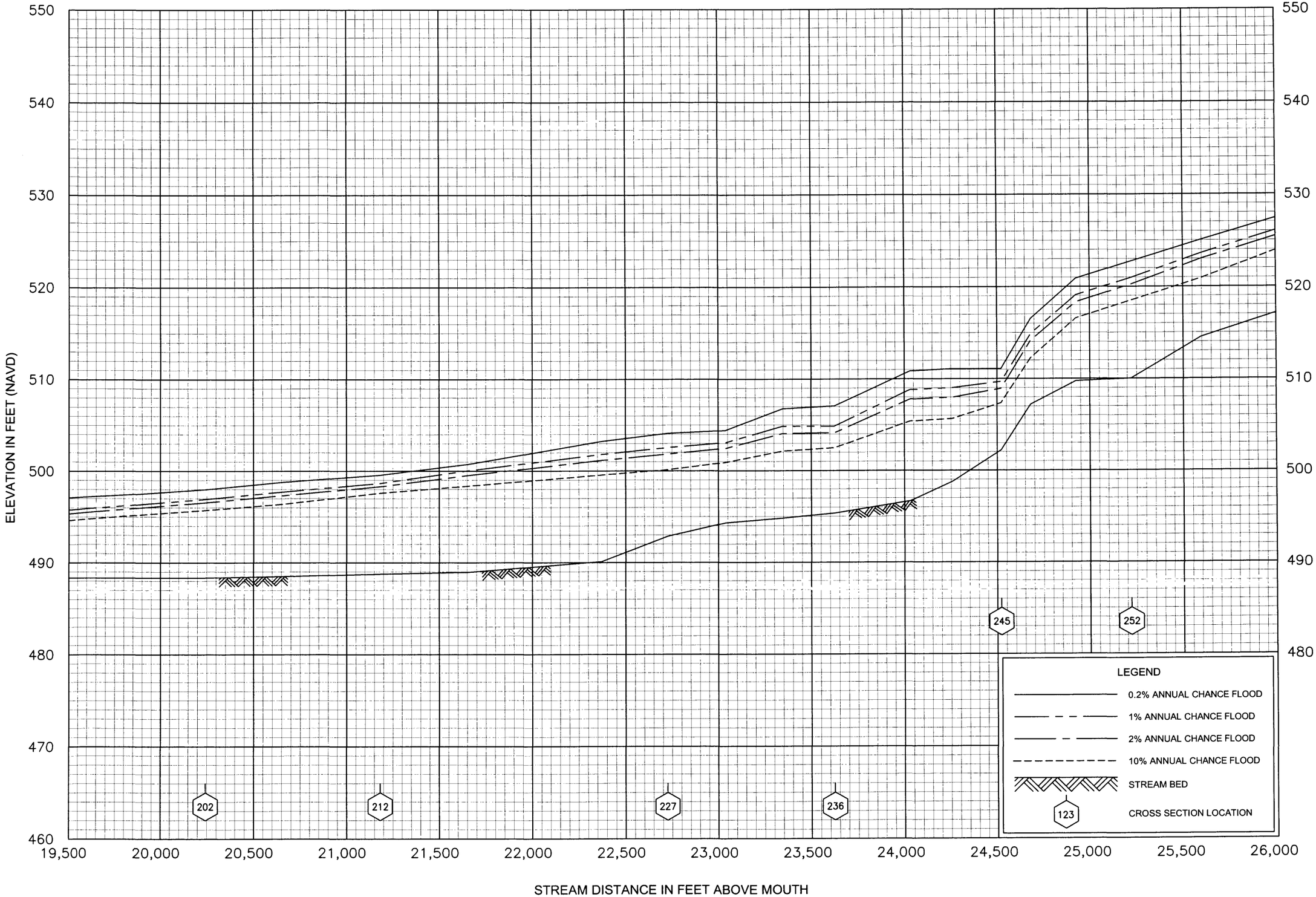


FLOOD PROFILES

TAYLORS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

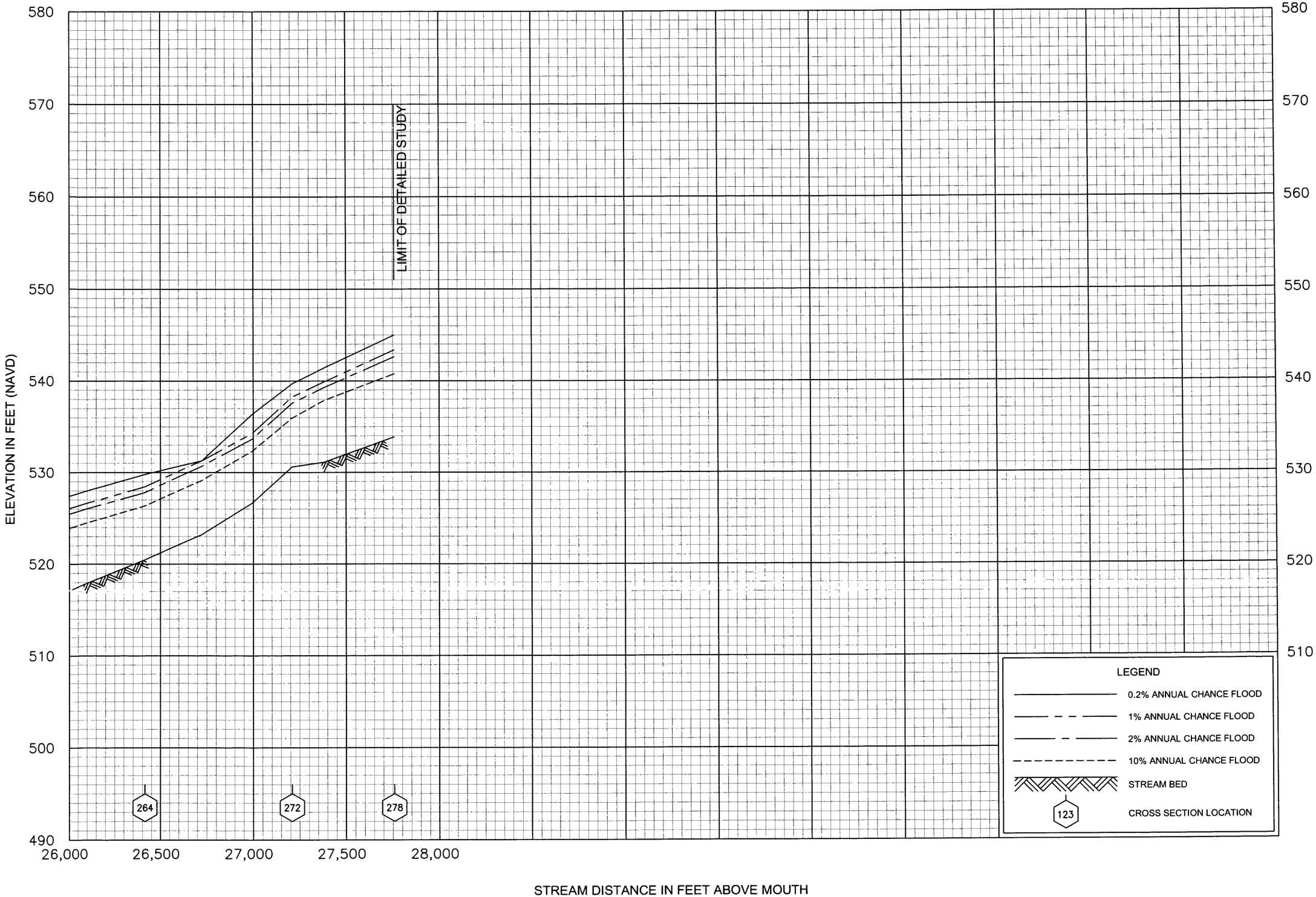


FLOOD PROFILES

TAYLORS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

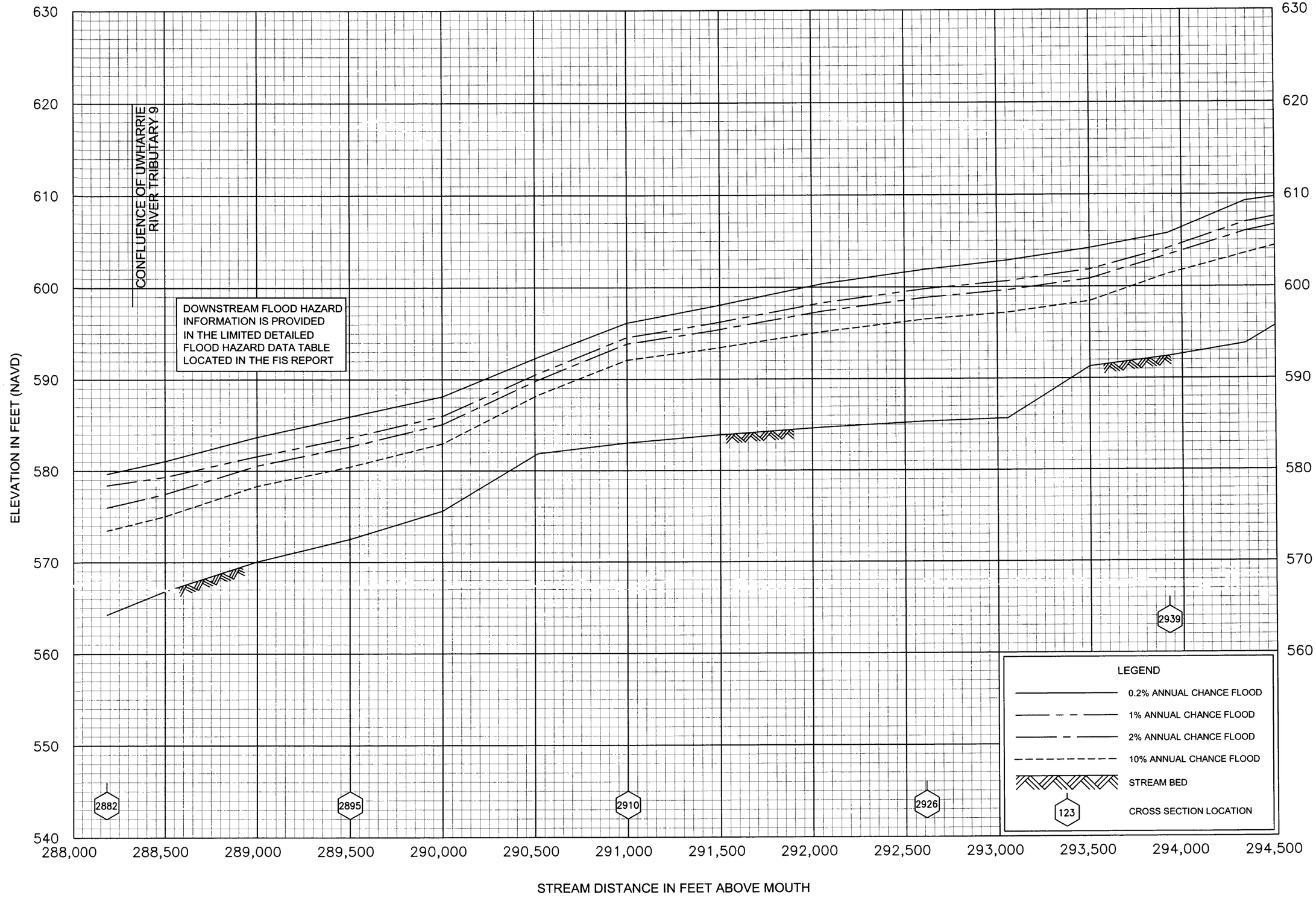


FLOOD PROFILES

TAYLORS CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

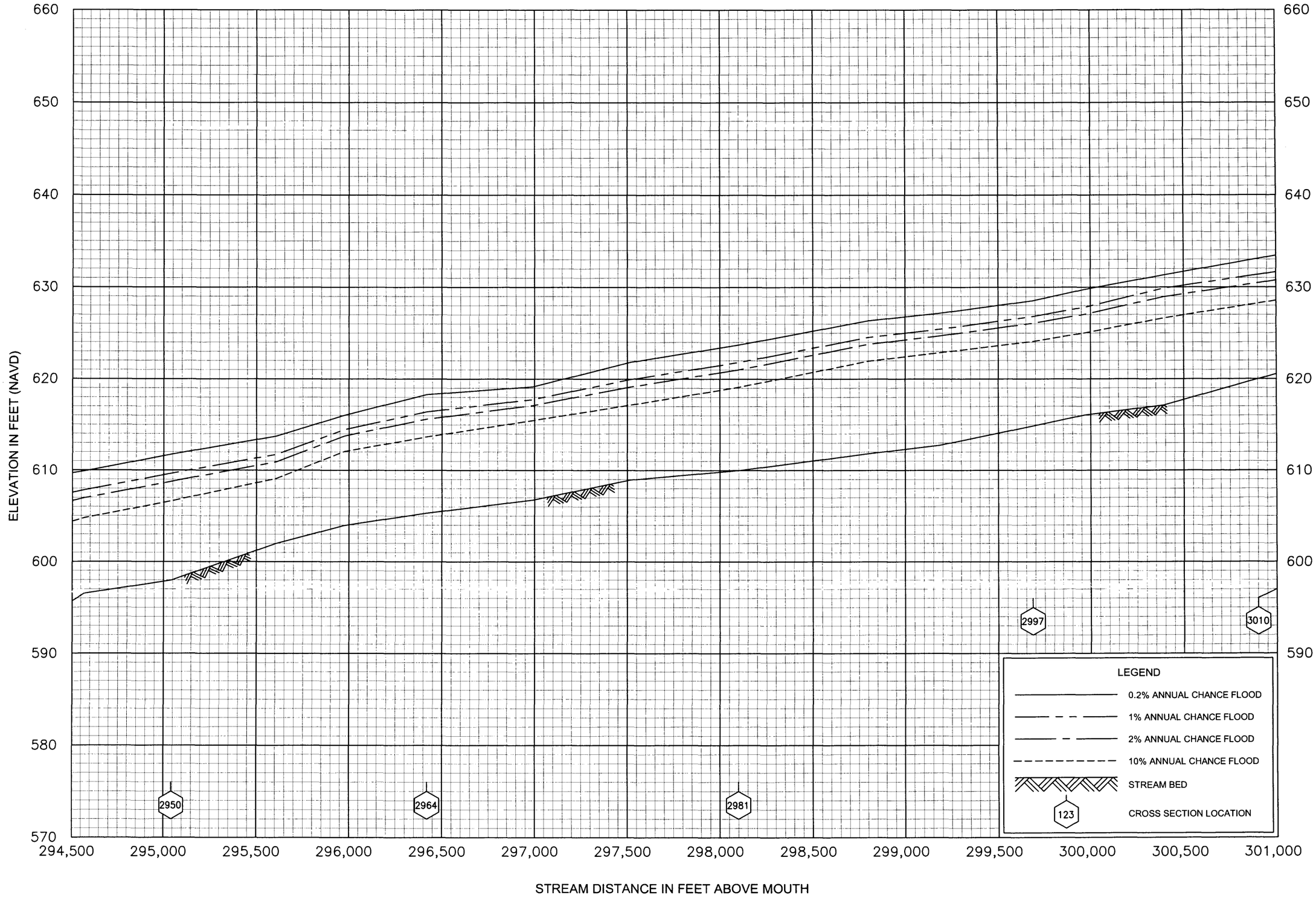


FLOOD PROFILES

UWHARRIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

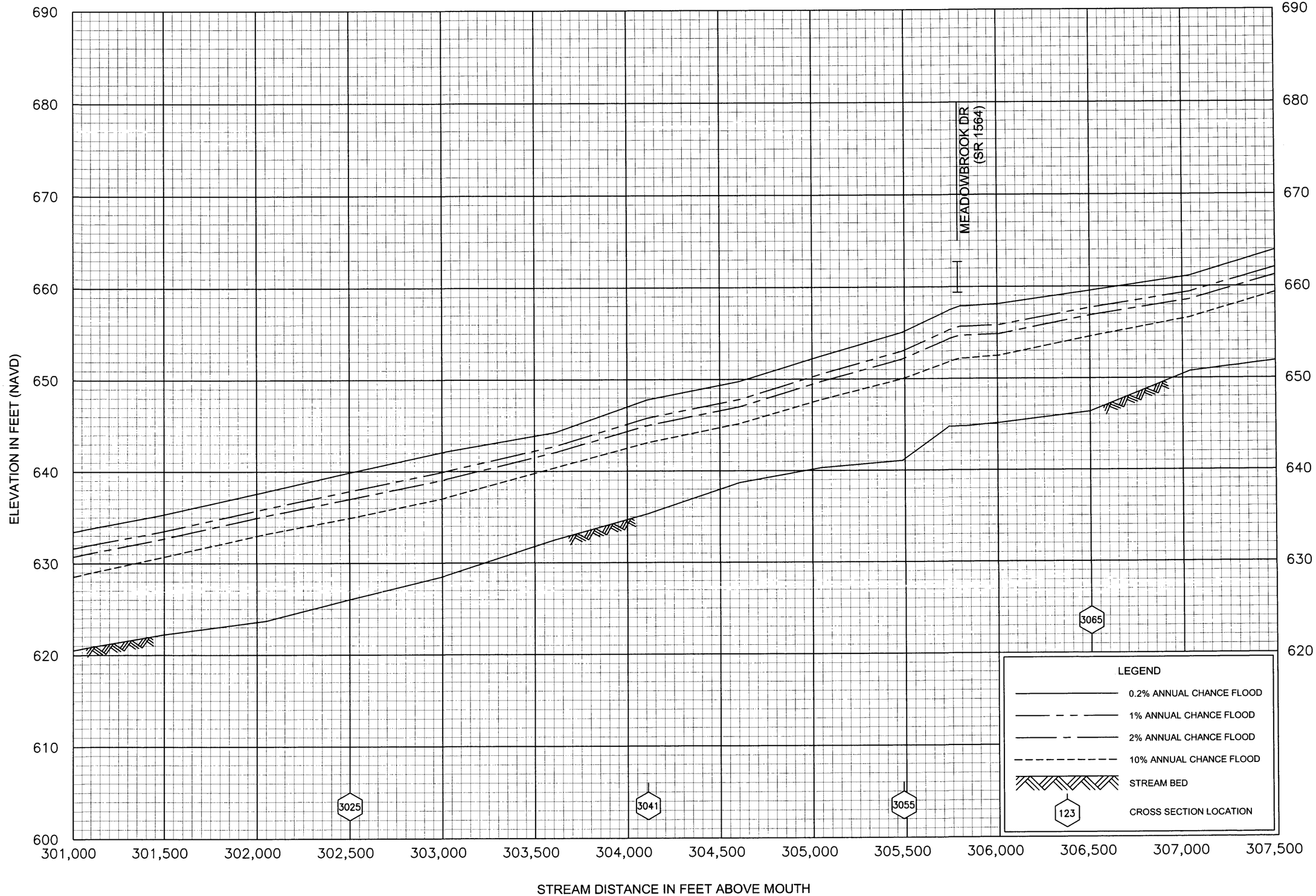


FLOOD PROFILES

UWHARRIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

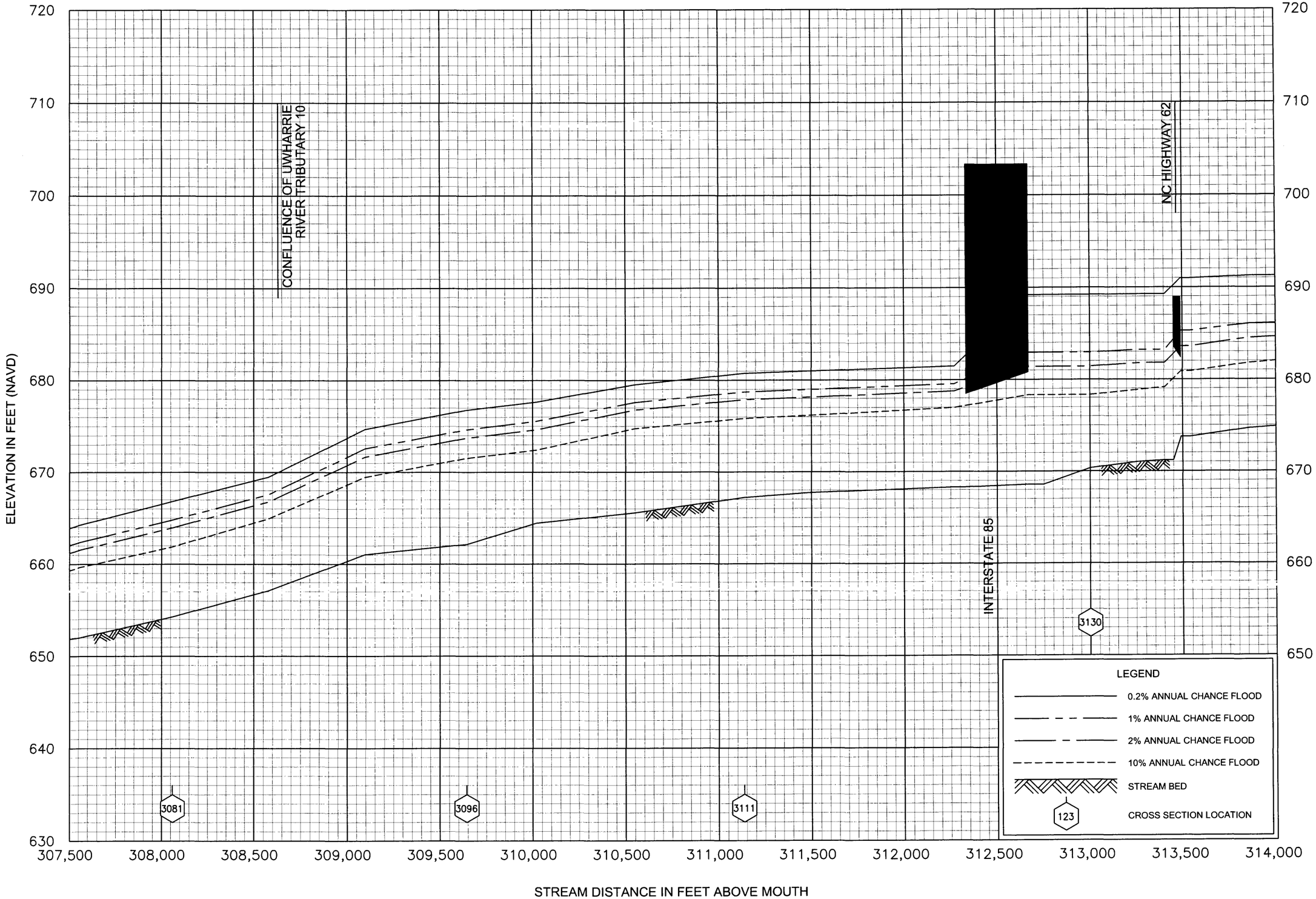


FLOOD PROFILES

UWHARRIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

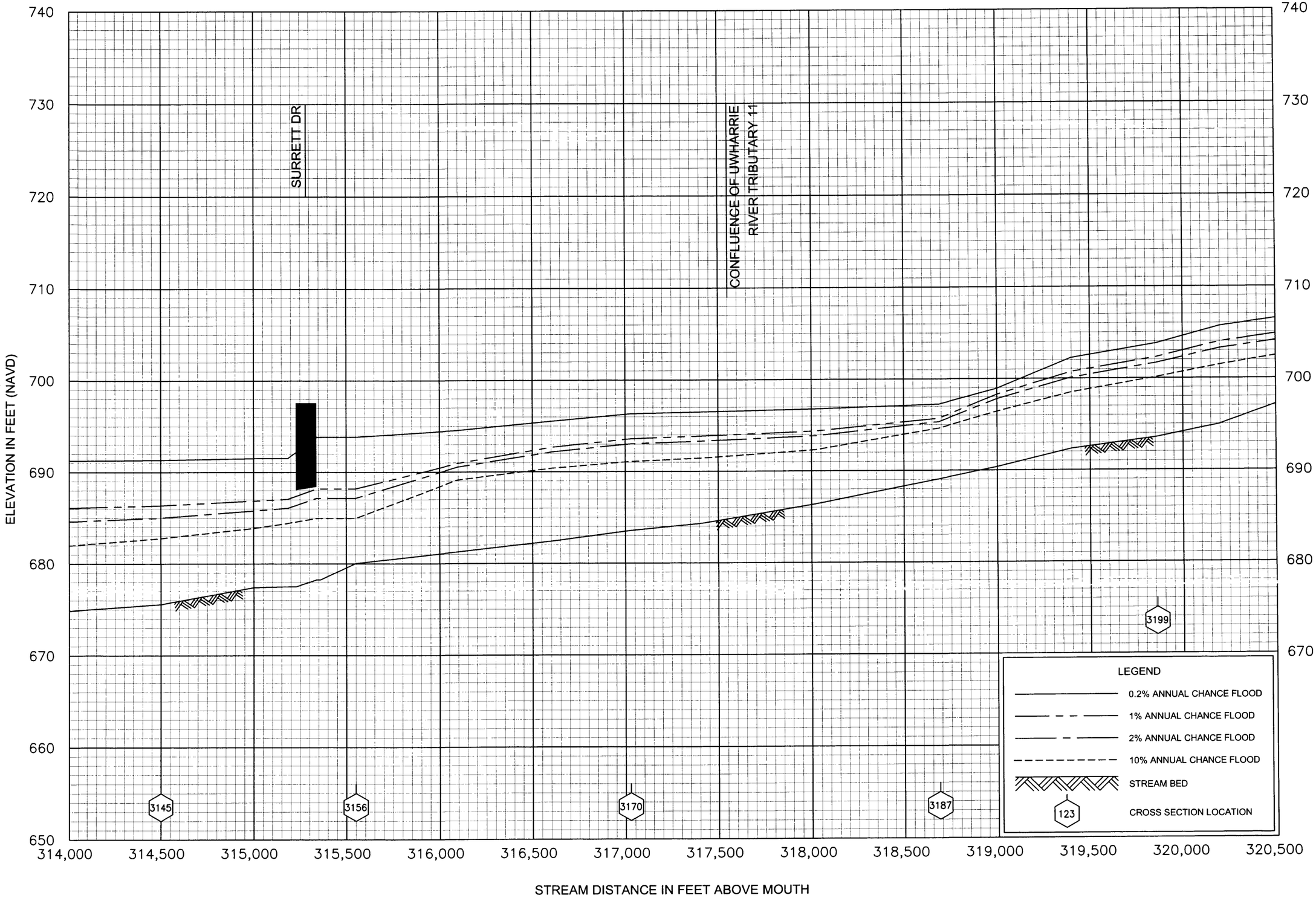


FLOOD PROFILES

UWHARRIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

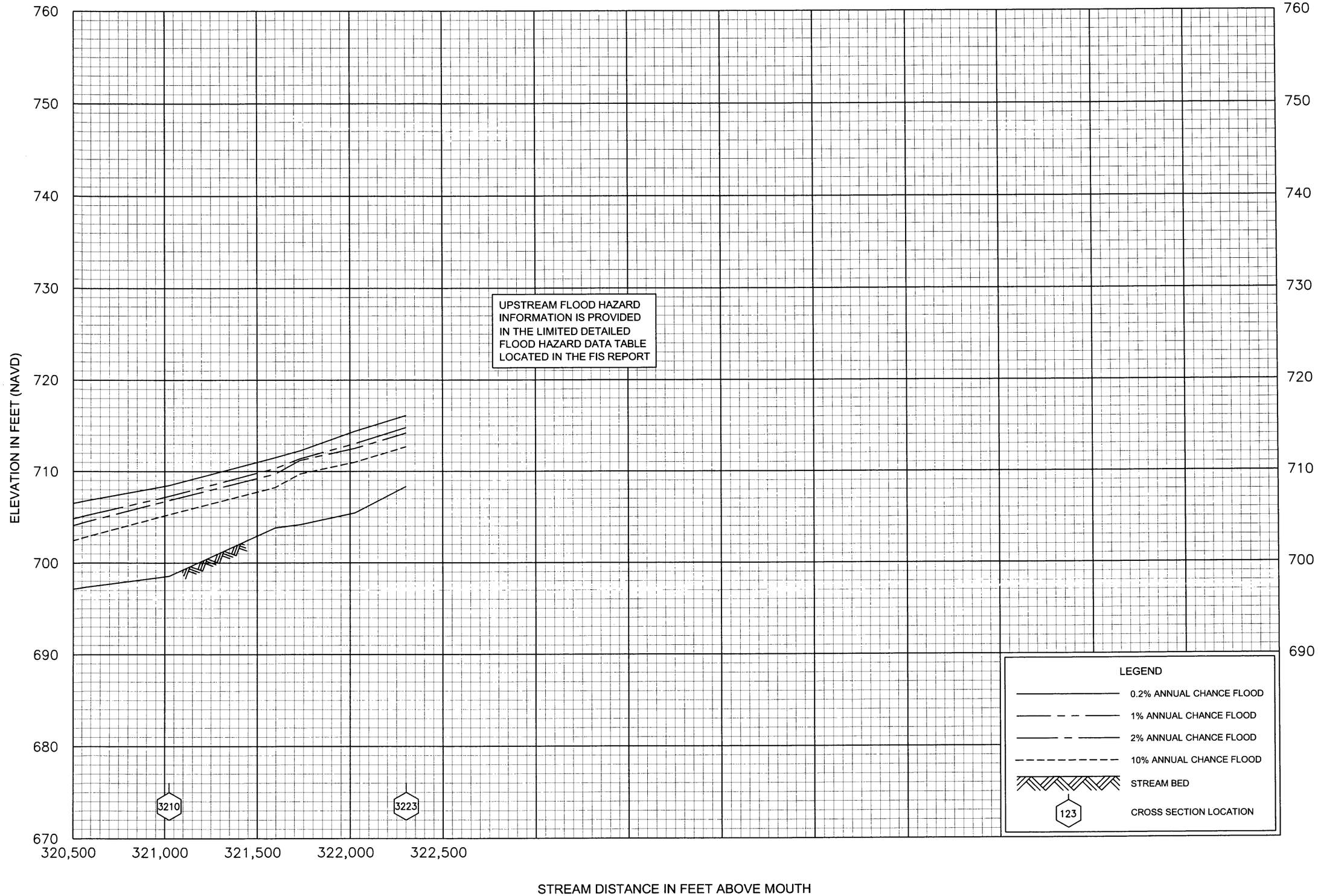


FLOOD PROFILES

UWHARRIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

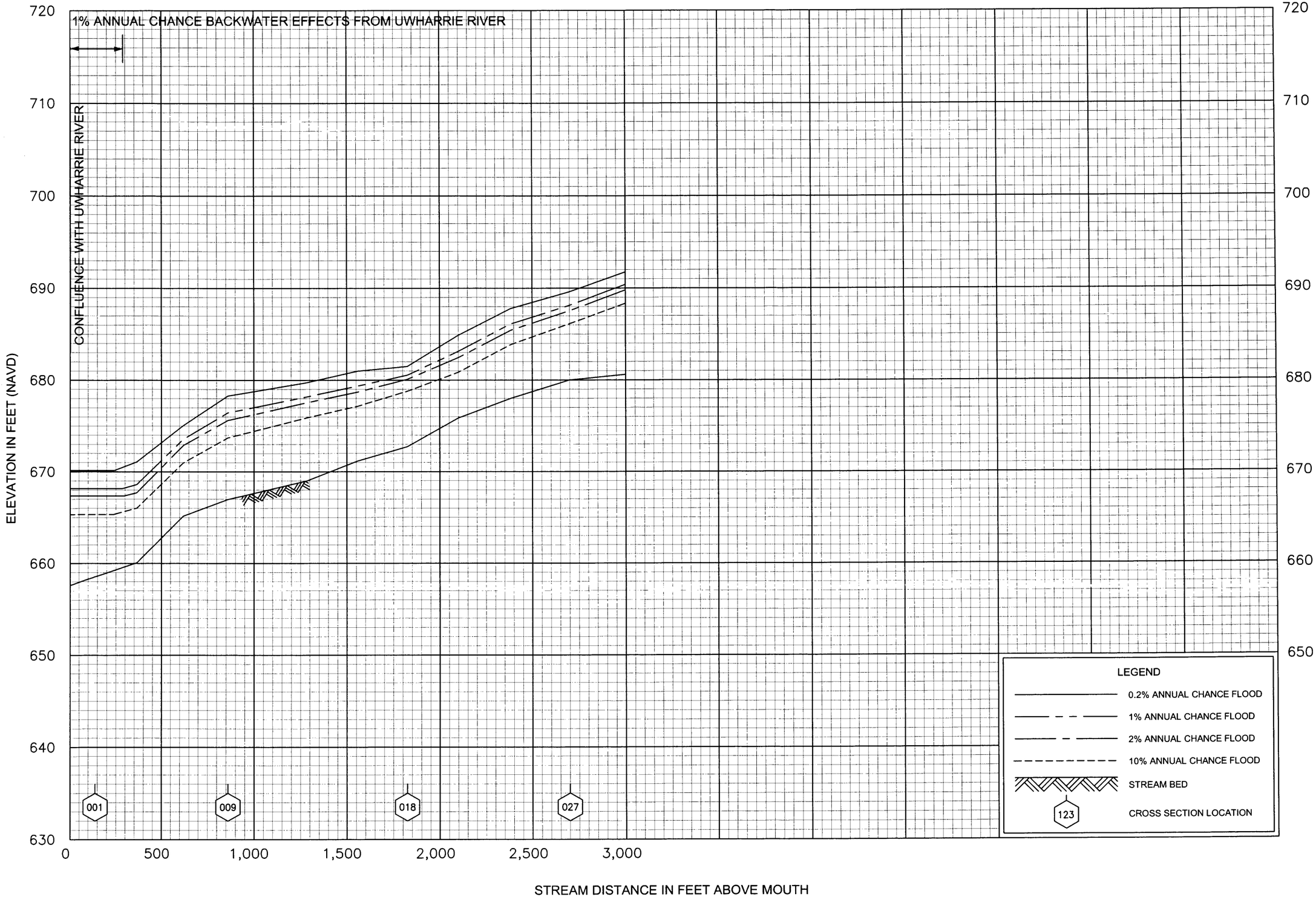


FLOOD PROFILES

UWHARRIE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

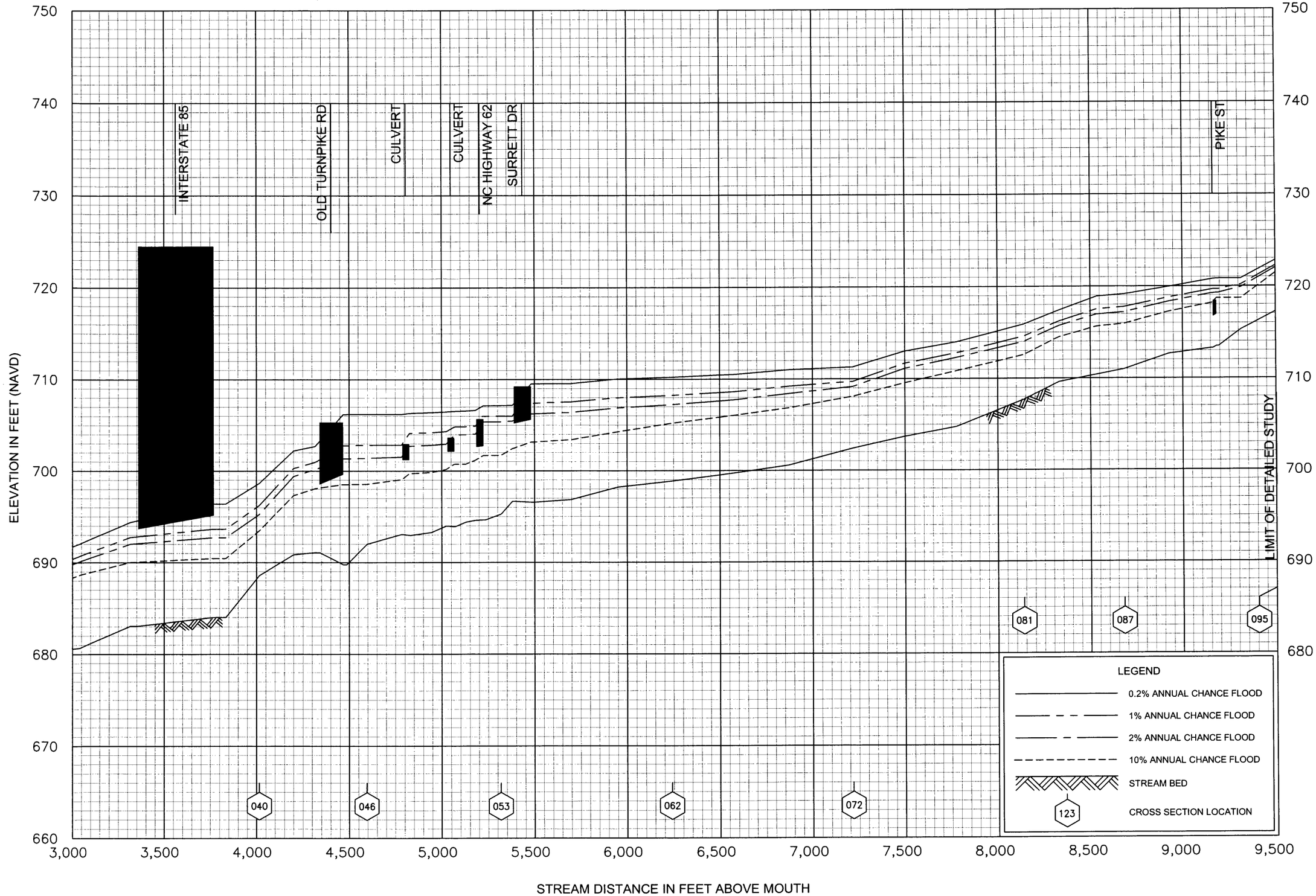


FLOOD PROFILES

UWHARRIE RIVER TRIBUTARY 10

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

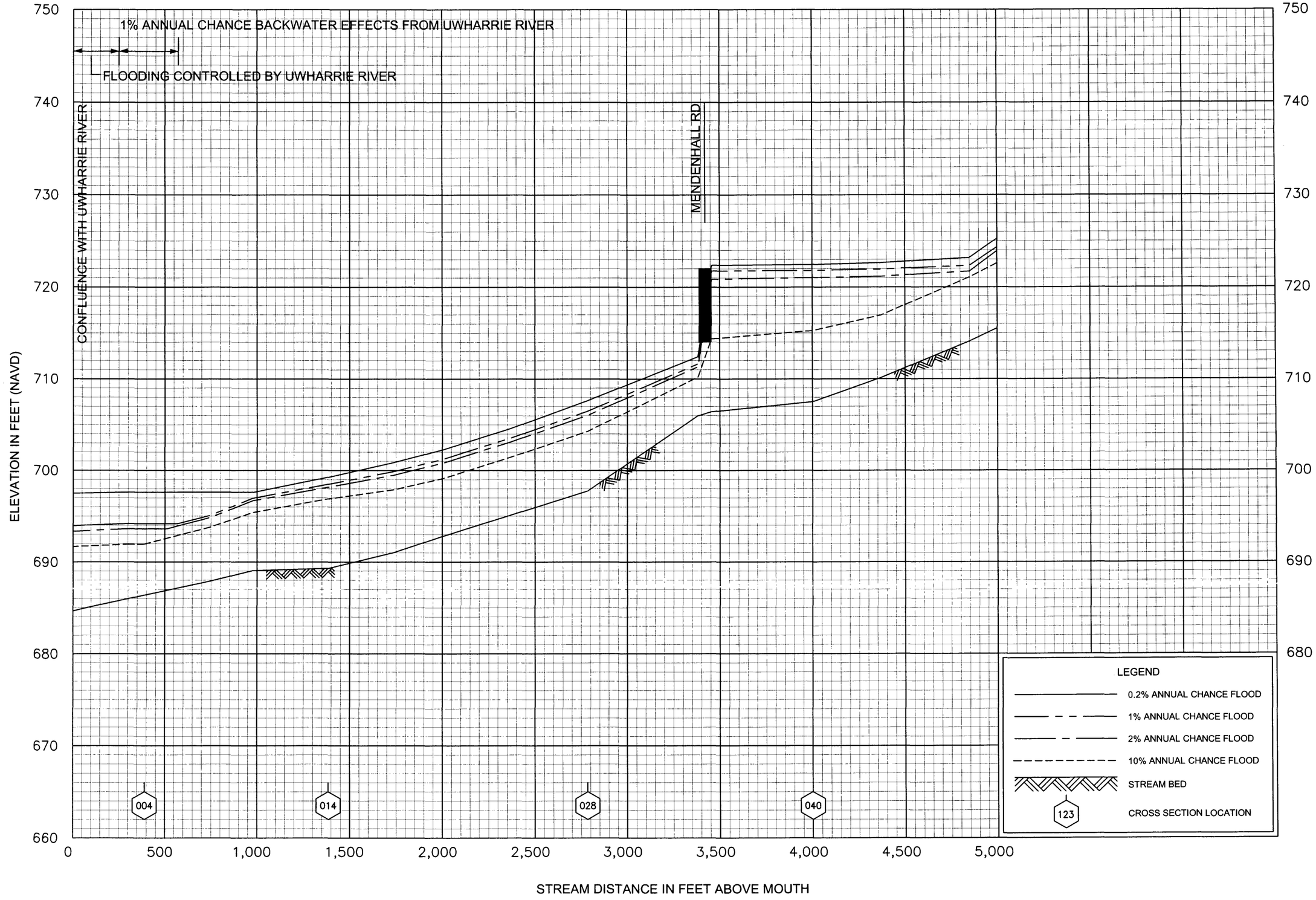


FLOOD PROFILES

UWHARRIE RIVER TRIBUTARY 10

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

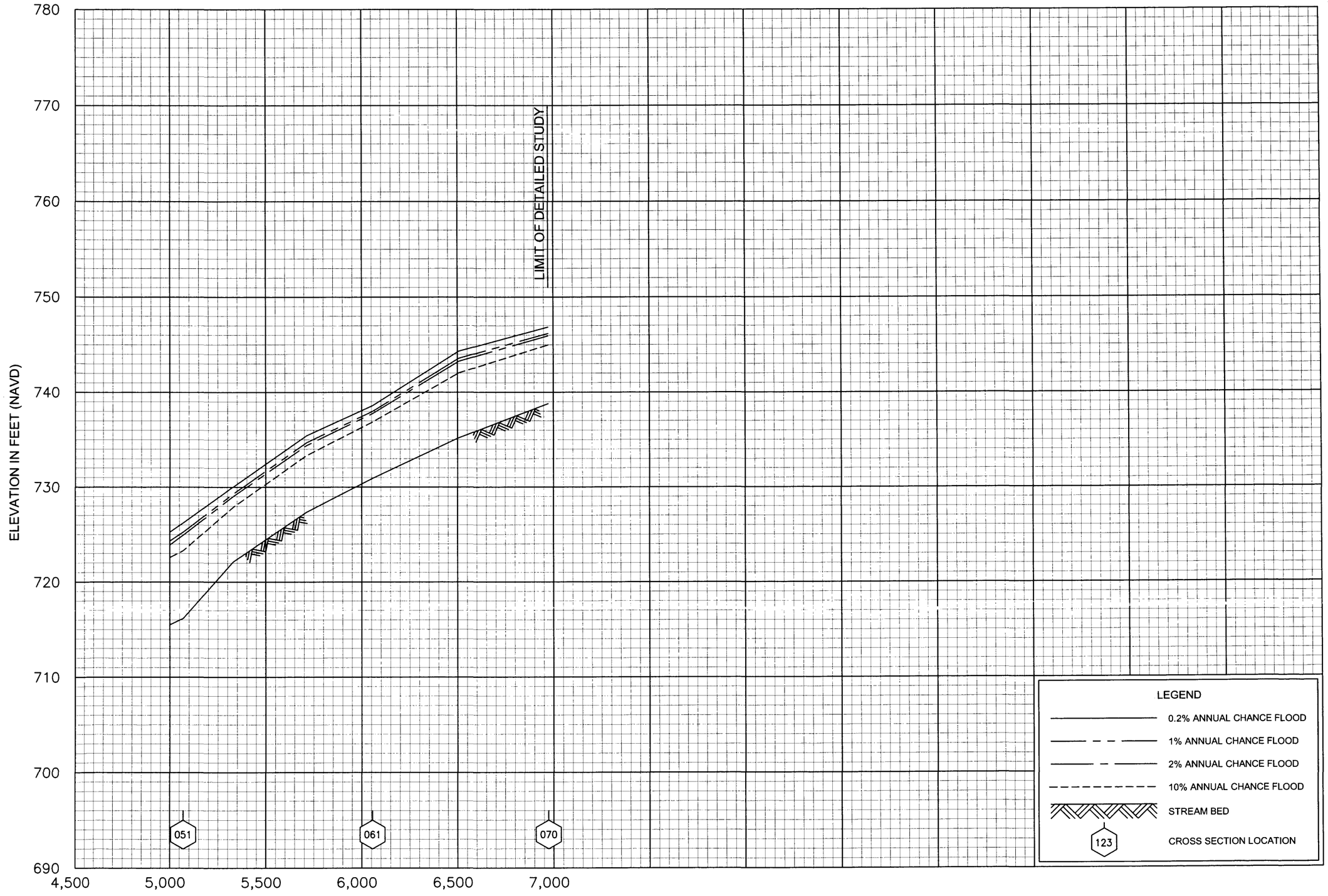


FLOOD PROFILES

UWHARRIE RIVER TRIBUTARY 11

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

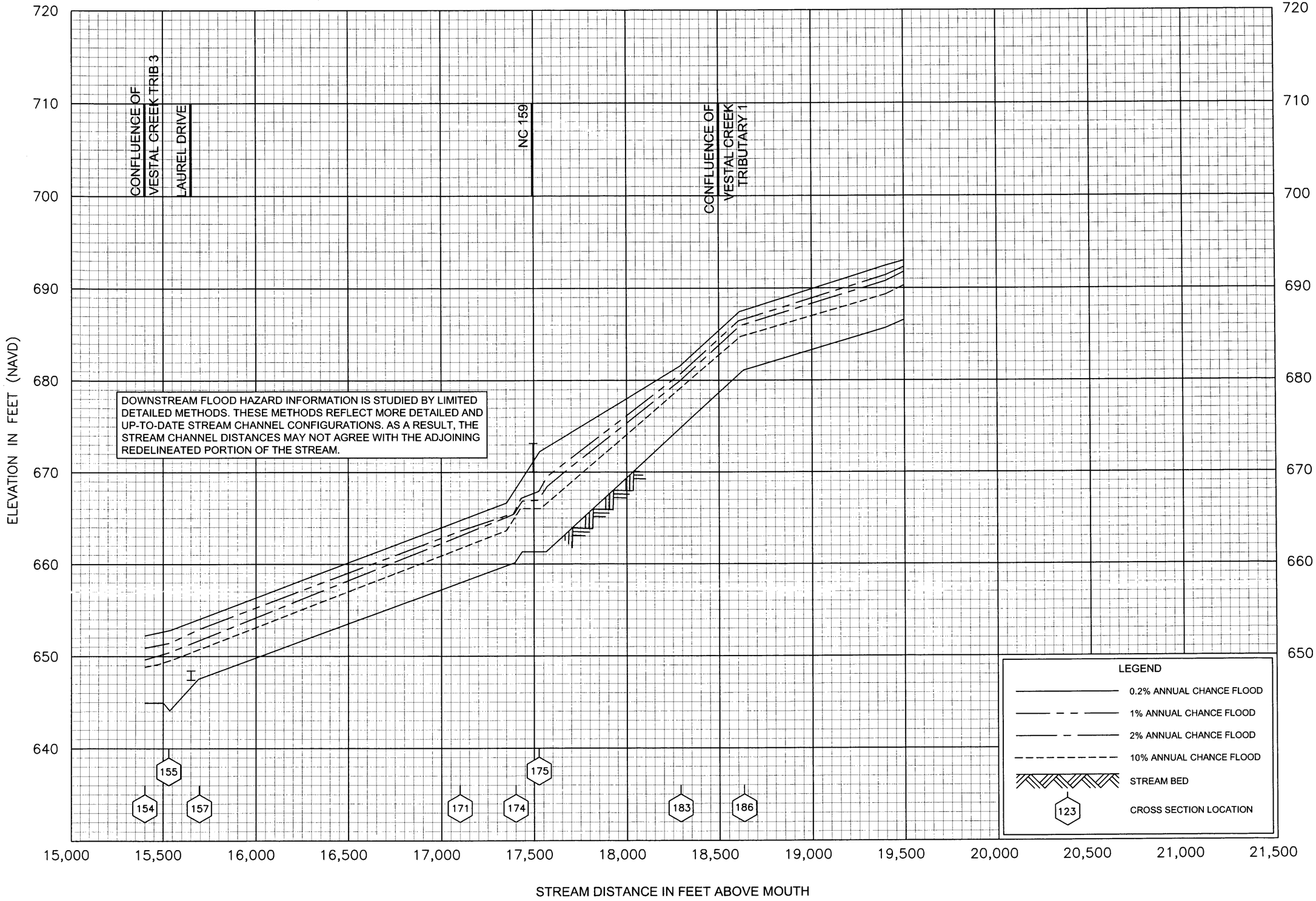


FLOOD PROFILES

UWHARRIE RIVER TRIBUTARY 11

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

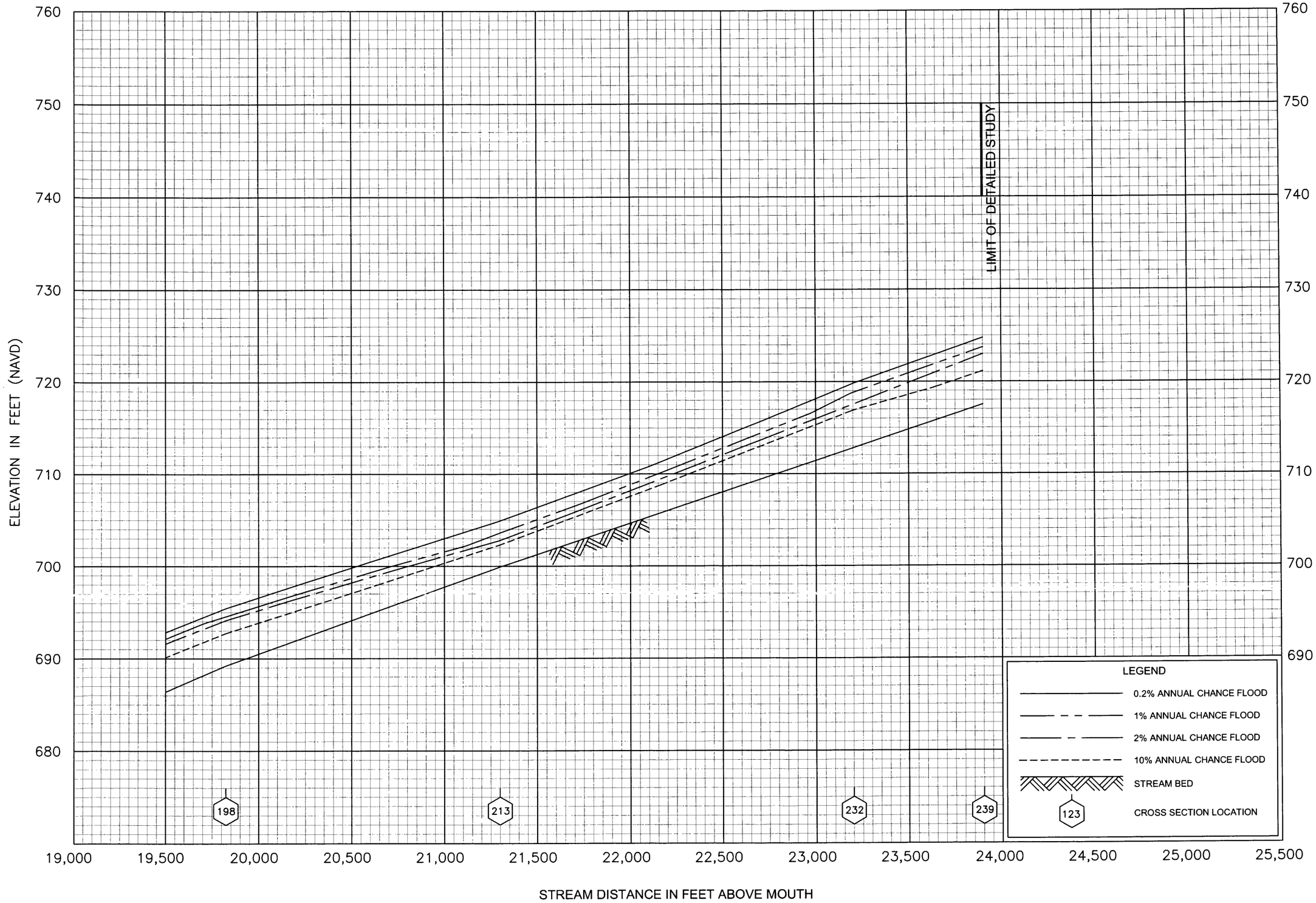


FLOOD PROFILES

VESTAL CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

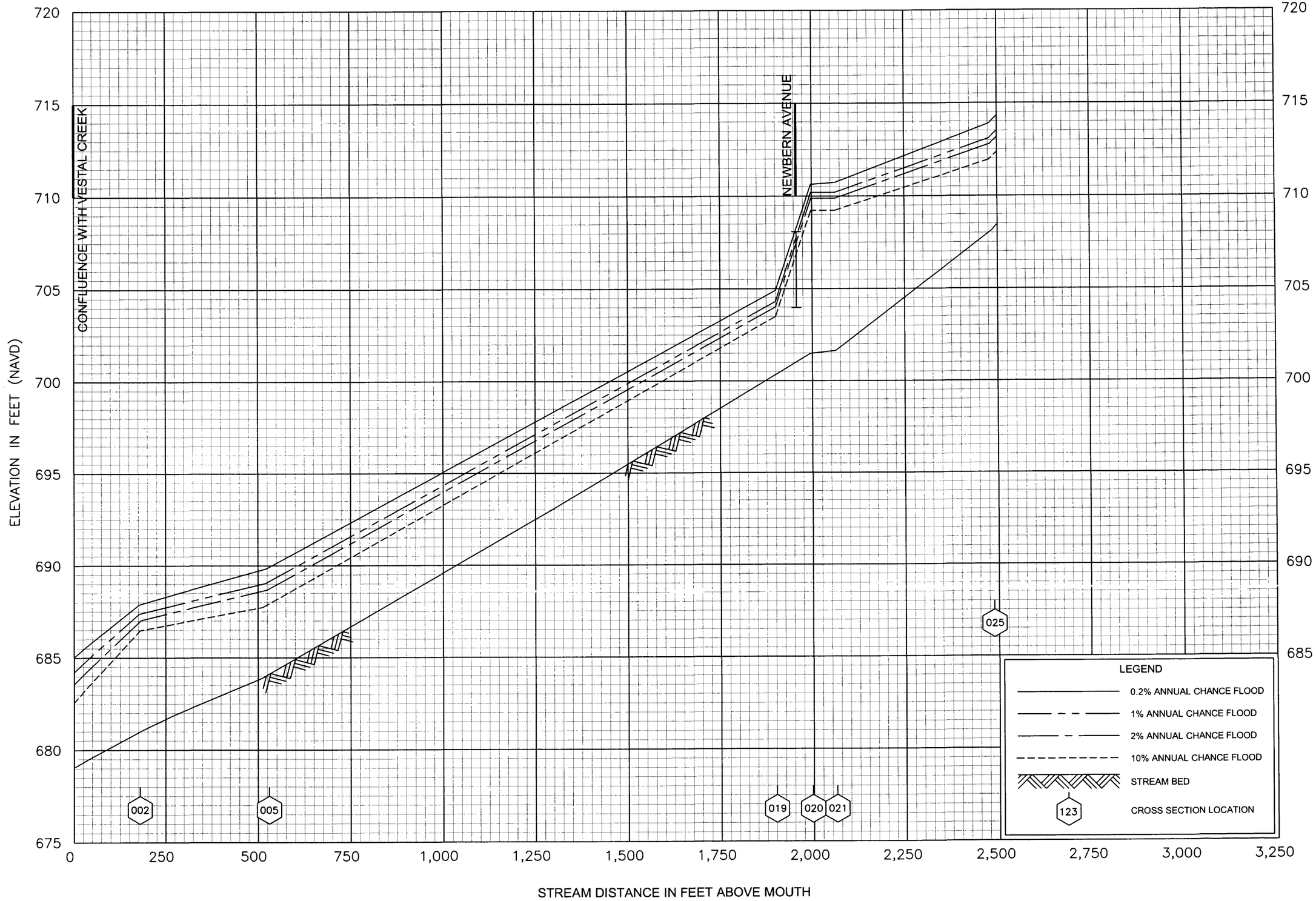


FLOOD PROFILES

VESTAL CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

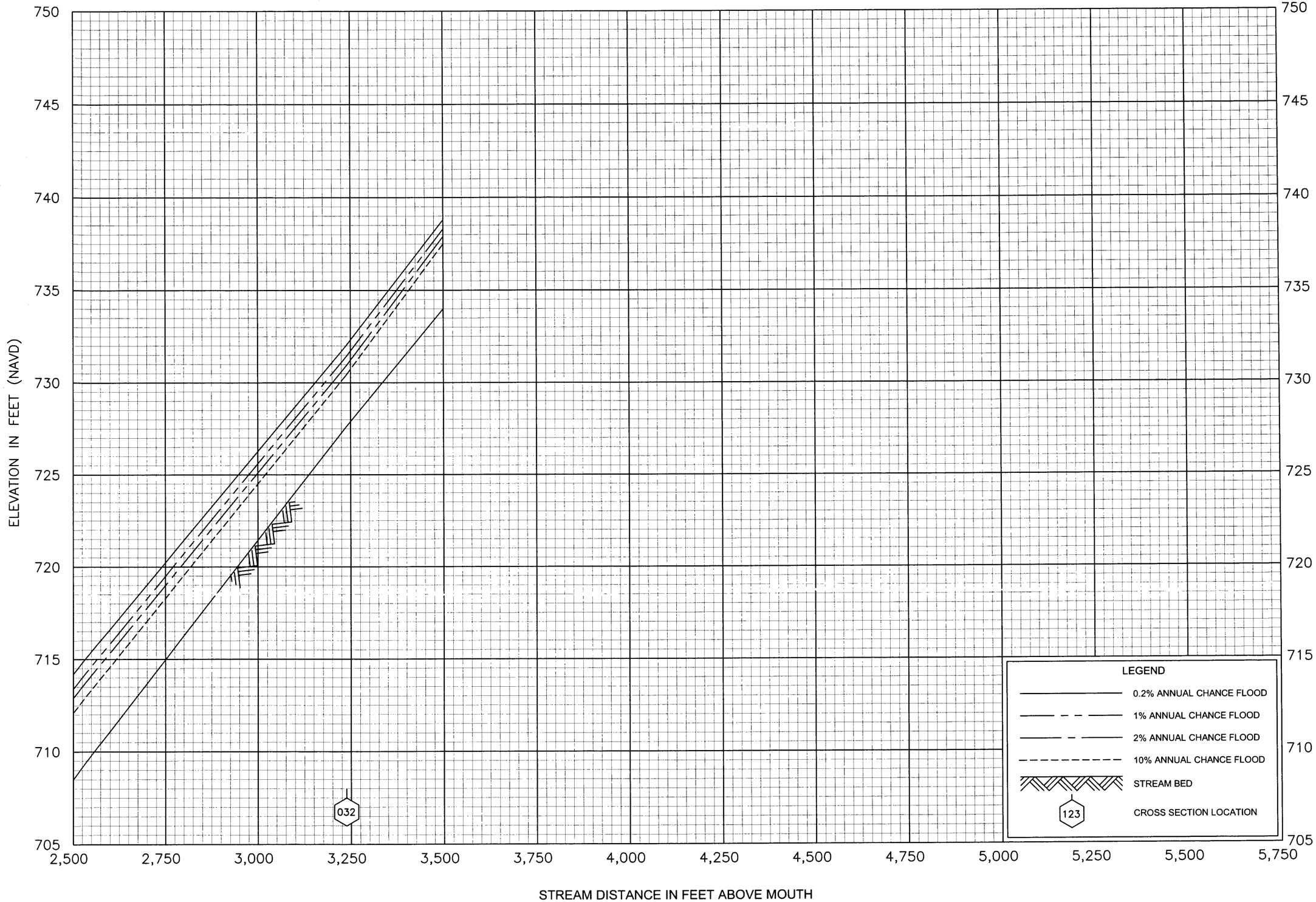


FLOOD PROFILES

VESTAL CREEK TRIBUTARY 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

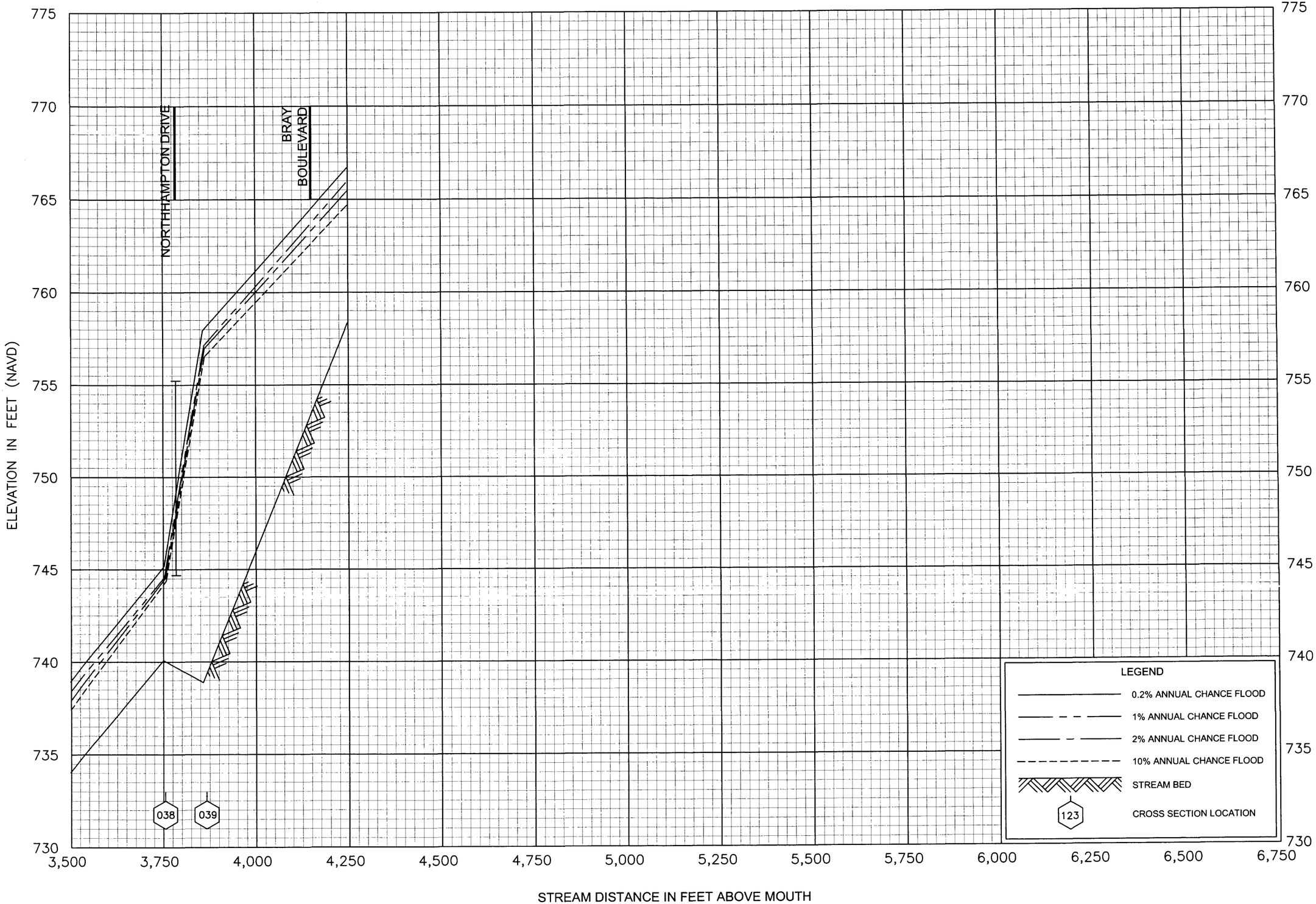


FLOOD PROFILES

VESTAL CREEK TRIBUTARY 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

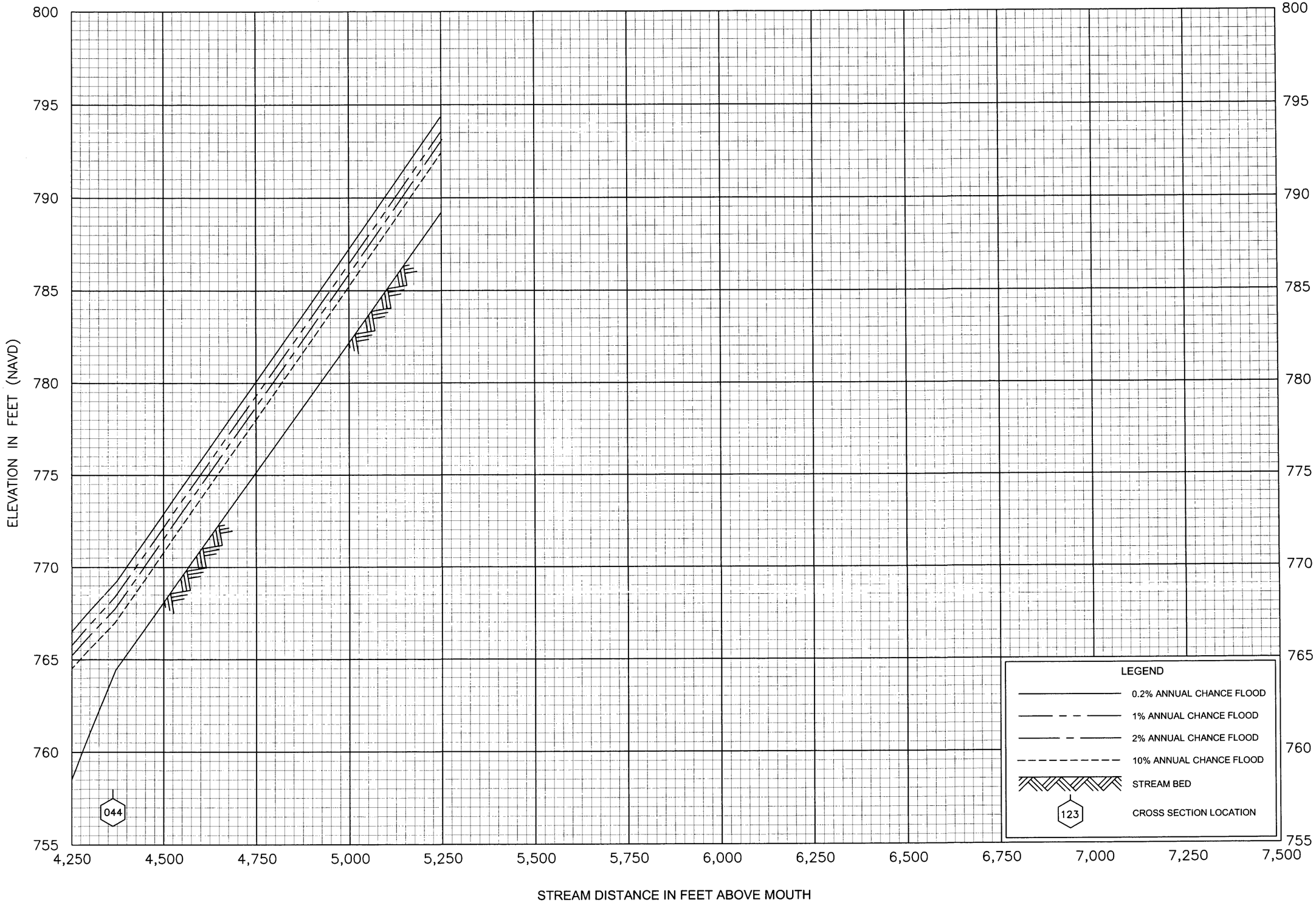


FLOOD PROFILES

VESTAL CREEK TRIBUTARY 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

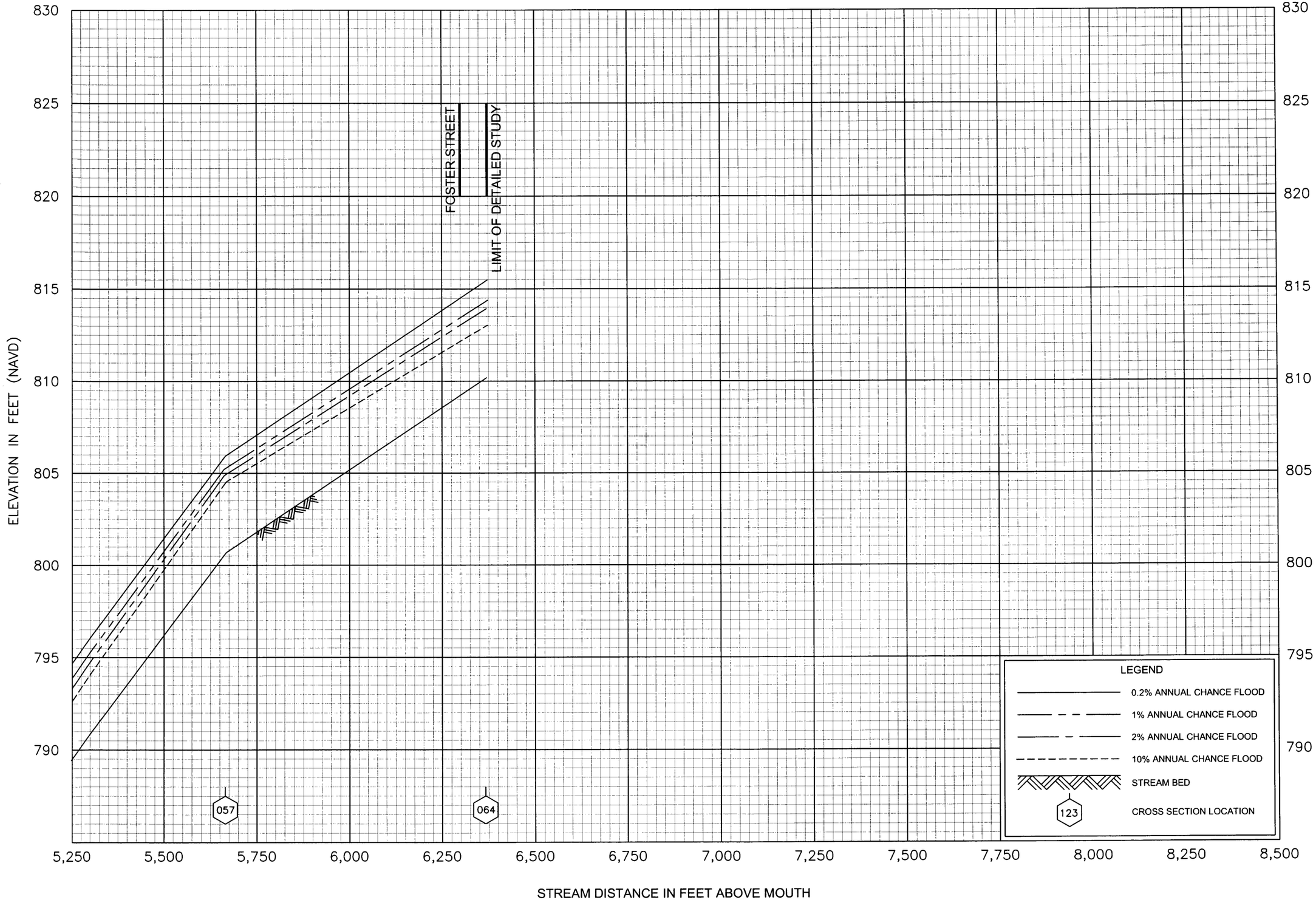


FLOOD PROFILES

VESTAL CREEK TRIBUTARY 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

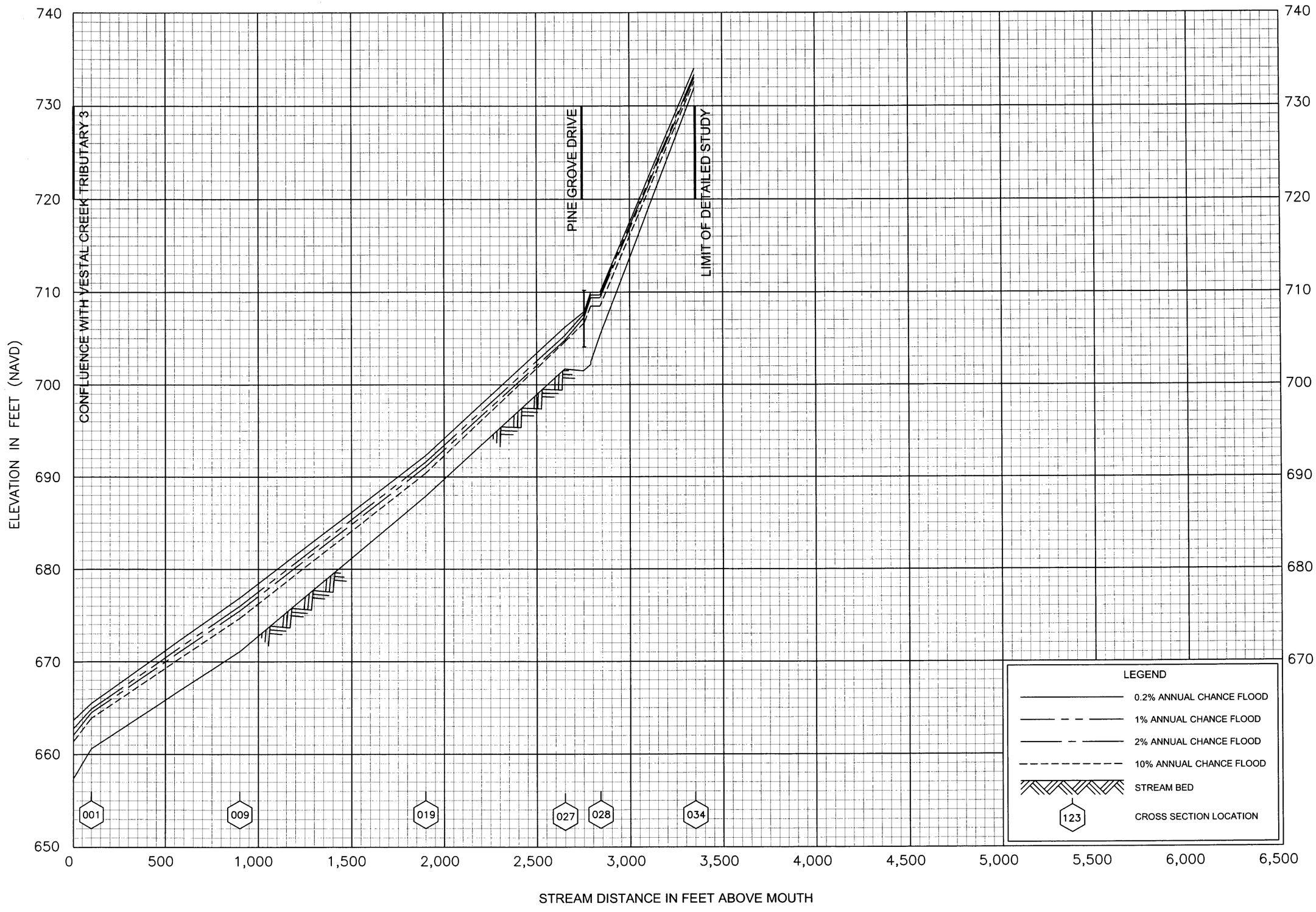


FLOOD PROFILES

VESTAL CREEK TRIBUTARY 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS



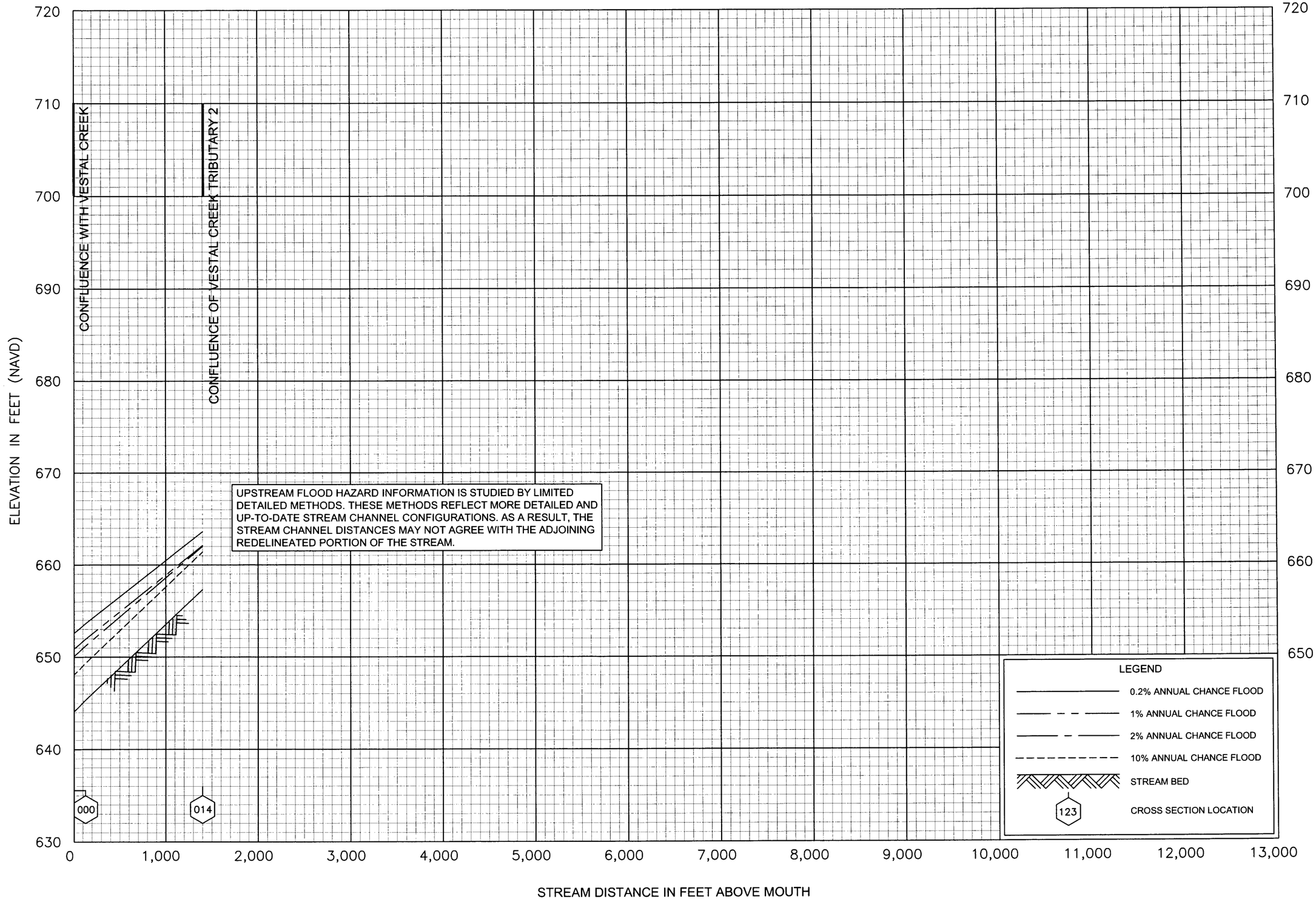
FLOOD PROFILES

VESTAL CREEK TRIBUTARY 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS

130P



FLOOD PROFILES

VESTAL CREEK TRIBUTARY 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

RANDOLPH COUNTY, NC
AND INCORPORATED AREAS