

# ONE FOOT RISE REPORT

Prepared for:

WILLARD BAUGHN

419 S.W. MEMORIAL DRIVE  
FORT WHITE, FL

Lot 15, Block 5, Wilson Springs Community Phase 1-A  
Section 6, Township 7 South, Range 16 East

Columbia County, Florida

June 15, 2020

Prepared by:

Carol Chadwick, P.E.  
307.680.1772  
ccpewyo@gmail.com



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## PROJECT DESCRIPTION

Willard Baughn would like to permit improvements to 419 S.W. Memorial Drive, Fort White, FL, located in Section 6, Township 7 South, Range 16 East, Columbia County, Florida. The parcel number for the property is 06-75-16-04149-515. The permit will be for the construction of a new \_\_\_' by \_\_\_' residence. The proposed structure is not located within 75 feet of the Santa Fe River.



Photo 1. Proposed building site from the north side of the lot.

## ANALYSIS

The attached SRWMD Flood Report shows the base flood elevation at 34.5. The area of the Zone AE flood plain 100' upstream and 100' downstream is 1,802,593 s.f. or 41.38 acres. The area of the proposed structure is 1294 s.f. The proposed structure is 0.072 percent of the flood plain which will not cause a rise in the base flood elevation.

## CONCLUSION

Calculations show no increase in the base flood elevation.

## ONE FOOT RISE CERTIFICATION

CAROL CHADWICK, P.E.

*Civil Engineer*

1208 S.W. Fairfax Glen

Lake City, FL 32025

307.680.1772

ccpewyo@gmail.com

June 17, 2020

## ONE FOOT RISE CERTIFICATION

Owner: Willard Baughn

Property Address: 419 S.W. Memorial Drive  
Fort White, FL

Property Description: Lot 15, Block 5, Wilson Springs Community Phase 1-A  
Section 6, Township 7 South, Range 16 East  
Columbia County, Florida

Structure in Floodway: 44' x 26' Residence

Elevation of 100-year flood: 34.5 feet (SRWMD)

Community Panel: 120070 0439C

I hereby certify that the construction of the proposed residence will not obstruct flow or cause more than a 1.00 foot rise in the 100-year flood elevation of Falling Creek.



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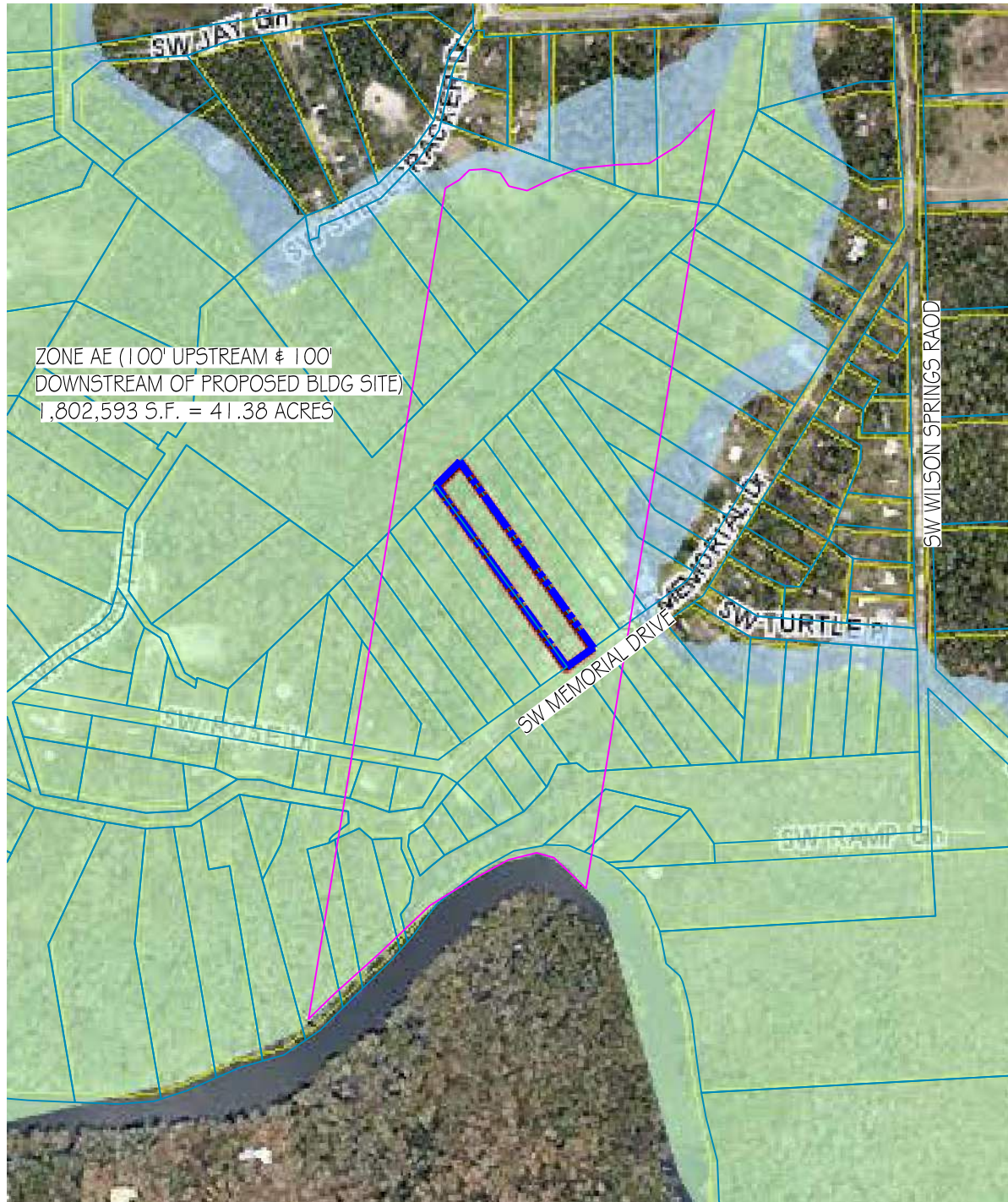
Carol Chadwick, P.E.

CC Job FL20111

## LOCATION MAP



LOT 15, BLOCK 5, WILSON SPRINGS COMMUNITY PHASE 1-A  
SECTION 6, TOWNSHIP 7 SOUTH, RANGE 16 EAST  
419 S.W. MEMORIAL DRIVE, FORT WHITE  
COLUMBIA COUNTY, FL



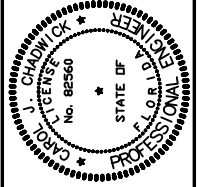
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email=ccpewyo@gmail.  
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0 250 500

SCALE 1"=500'

**CAROL CHADWICK**  
*Executive Director*  
 208 S. 2nd Avenue, Suite 100  
 Lake City, TN 37202  
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 cchadwick@gmail.com  
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 Oregon • California • N.C. • Texas

[illegible]

PREPARED FOR  
WILLARD BAUGHN  
wilbaughn@gmail.com

BAUGHN LOCATION MAP  
419 S.W. MEMORIAL DRIVE  
FORT WHITE, FL

PROJECT NO.	FL20111
DATE	JUNE 17, 2020
REVISION DATE	
SHEET	1 OF 1
	SHEETS

## SRWMD FLOOD REPORT



# Suwannee River Water Management District Effective Flood Information Report



## LOCATION

Date: 6-15-2020

Parcel: 06-7S-16-04149-515

County: COLUMBIA

STR: S001 T07 R15

Columbia Flood Hazard Areas Status  
2/4/2009

## FLOOD INFORMATION

Special Flood Hazard Area?  
(SFHA): Yes

Flood Zone(s): AE

Floodway: No

1% Annual Chance  
Flood Elev (BFE): 34.5 (feet)

10% Annual Chance  
Flood Elev: 28.4 (feet)

50% Annual Chance  
Flood Elev: 22.8 (feet)

Note: Elevations are based on NAVD88

FIRM Panel(s): 12023C0469C

Effective Flood Zones described on  
Page 2

SFHA - AE w/Floodway  
SFHA - Zones AE, AH, AO

SFHA - Zone VE  
SFHA - Zone A  
0.2 % (shaded X)

Wetlands  
FIRM Panel  
State Lands

Counties  
SRWMD  
Parcels

Depressions  
BFE  
Cross Sections

The Federal Emergency Management Agency (FEMA) maintains information about map features, such as street locations and names, in or near designated flood hazard areas. The information herein represents the best available data as of the effective date shown. The applicable Flood Insurance Study and a Digital Flood Insurance Rate Map is available online (<http://www.srwmdfloodreport.com>). To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to also consult the FEMA Map Service Center at 1-800-358-9616 (<http://www.msc.fema.gov>) for information on available products associated with this FIRM panel. Available products from the Map Service Center may include previously issued Letters of Map Change. Requests to revise flood information in or near designated flood hazard areas may be provided to FEMA during the community review period on preliminary maps, or through the Letter of Map Change process for effective maps.

## Base Flood Elevation (BFE)

The elevation shown on the Flood Insurance Rate Map for Zones AE, AH, A1-A30, AR, AO, V1-V30, and VE that indicates the water surface elevation resulting from a flood that has a one percent chance of equaling or exceeding that level in any given year.

### A

Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Because detailed analyses are not performed for such areas; no depths or base flood elevations are shown within these zones.

### AE, A1-A30

Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. In most instances, base flood elevations derived from detailed analyses are shown at selected intervals within these zones.

### AH

Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Usually areas of ponding with flood depths of 1 to 3 feet. Base Flood Elevations are determined.

### AO

Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Usually areas of sheet flow on sloping terrain with flood depths of 1 to 3 feet. Base Flood Elevations are determined.

### Supplemental Information:

10%-chance flood elevations (10-year flood-risk elevations) and 50%-chance flood elevations (2-year flood-risk elevations), are calculated during detailed flooding studies but are not shown on FEMA Digital Flood Insurance Rate Maps (FIRMs). They have been provided as supplemental information in the Flood Information section of this report.

## AE FW (FLOODWAYS)

The channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood (1% annual chance flood event). The floodway must be kept open so that flood water can proceed downstream and not be obstructed or diverted onto other properties.

Please note, if you develop within the regulatory floodway, you will need to contact your Local Government and the Suwannee River Water Management District prior to commencing with the activity. Please contact the District at 800.226.1066.

### VE

Areas with a 1% annual chance of flooding over the life of a 30-year mortgage with additional hazards due to storm-induced velocity wave action. Base Flood Elevations (BFEs) derived from detailed analyses.

### X 0.2 PCT (X Shaded, 0.2 PCT ANNUAL CHANCE FLOOD HAZARD)

Same as Zone X; however, detailed studies have been performed, and the area has been determined to be within the 0.2 percent annual chance floodplain (also known as the 500-year flood zone). Insurance purchase is not required in this zone but is available at a reduced rate and is recommended.

### X

All areas outside the 1-percent annual chance floodplain are Zone X. This includes areas of 1% annual chance sheet flow flooding where average depths are less than 1 foot, areas of 1% annual chance stream flooding where the contributing drainage area is less than 1 square mile, or areas protected from the 1% annual chance flood by levees. No Base Flood Elevations or depths are shown within this zone. Insurance purchase is not required in these zones.

## LINKS

### FEMA:

<http://www.fema.gov>

### SRWMD:

<http://www.srwmd.state.fl.us>

## CONTACT

SRWMD  
9225 County Road 49  
Live Oak, FL 32060

(386) 362-1001

Toll Free:  
(800) 226-1066

COLUMBIA COUNTY PROPERTY APPRAISER MAP



Columbia County Property Appraiser

Jeff Hampton

Parcel: << 06-7S-16-04149-515 >>

2020 Working Values

updated: 6/5/2020

Owner & Property Info

Owner	BAUGHN WILLARD 4452 NW WISTERIA DR LAKE CITY, FL 32-55		
Site			
Description*	LOT 15 BLOCK 5 WILSON SPRINGS COMMUNITY PHASE 1-A. ORB 962-1828, COMM NE COR OF SE1/4 RUN S 1218.72 FT, SW 142.34 FT, TO POB. SE 183.22 FT, TO A POINT ON THE W LINE OF SEC 6 CONT SE 522.62 FT, TO POINT ON THE NW'ERLY R/W LINE OF SW MEMORIAL DR. SW ALONG R/ ...more>>>		
Area	1.62 AC	S/T/R	06-7S-16
Use Code**	VACANT (000000)	Tax District	3

\*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.

\*\*The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Property & Assessment Values

2019 Certified Values		2020 Working Values	
Mkt Land (2)	\$14,547	Mkt Land (2)	\$14,547
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (0)	\$0	Building (0)	\$0
XFOB (0)	\$0	XFOB (0)	\$0
Just	\$14,547	Just	\$14,547
Class	\$0	Class	\$0
Appraised	\$14,547	Appraised	\$14,547
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$14,547	Assessed	\$14,547
Exempt	\$0	Exempt	\$0
Total Taxable	county:\$14,547 city:\$14,547 other:\$14,547 school:\$14,547	Total Taxable	county:\$14,547 city:\$14,547 other:\$14,547 school:\$14,547

Aerial Viewer Pictometry Google Maps

2019 2016 2013 2010 2007 2005 Sales

Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
2/4/2015	\$12,000	1289/0386	WD	V	Q	01
9/16/2002	\$12,000	962/1828	WD	V	Q	

Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
NONE						

Extra Features & Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000000	VAC RES (MKT)	1.000 LT - (1.620 AC)	1.00/1.00 1.00/1.00	\$12,547	\$12,547
009946	WELL (MKT)	1.000 UT - (0.000 AC)	1.00/1.00 1.00/1.00	\$2,000	\$2,000

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by: GrizzlyLogic.com

columbia.floridapa.com/gis/

1/1

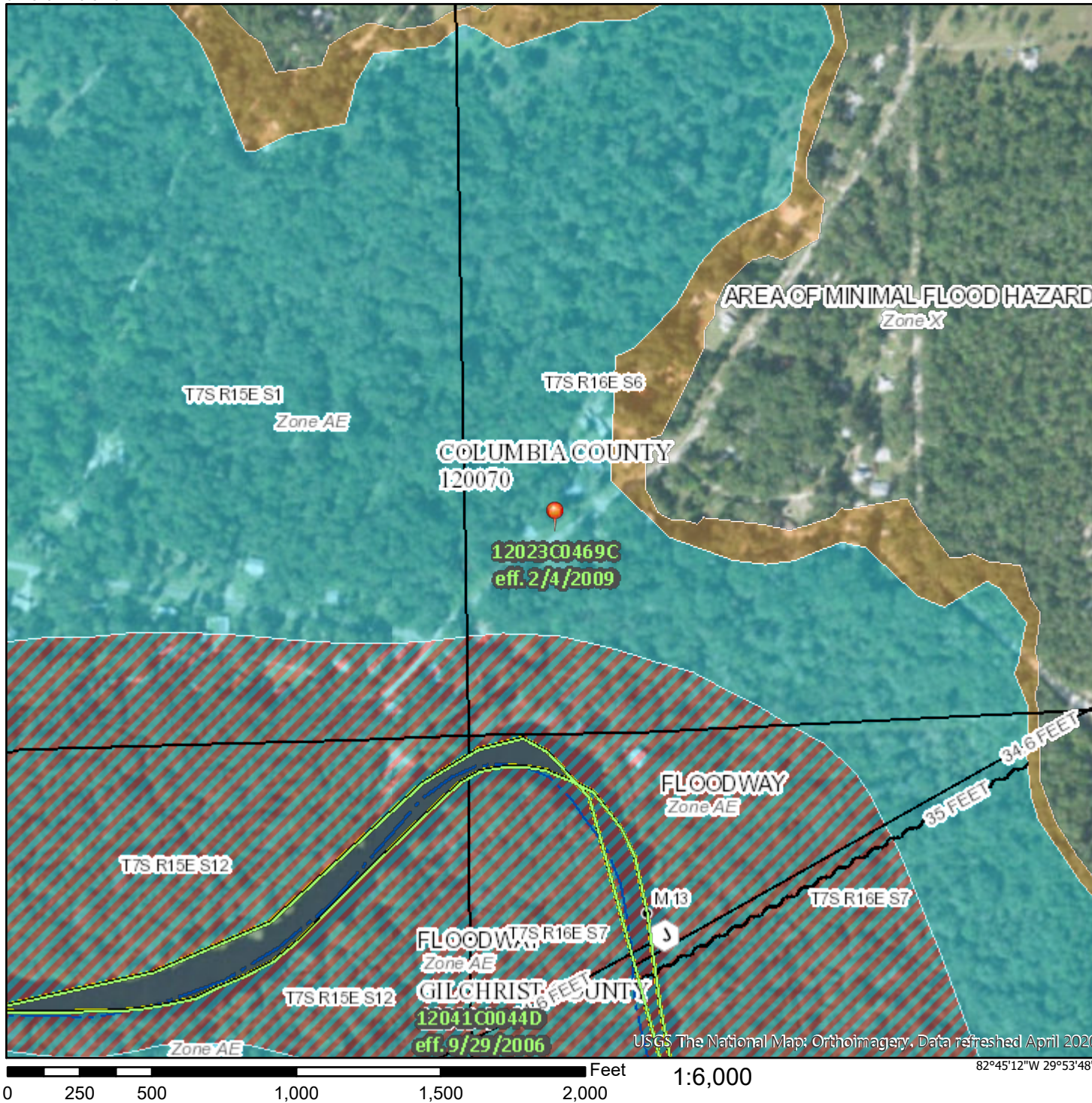
## FEMA FIRM & FIRMETTE



# National Flood Hazard Layer FIRMette



82°45'49"W 29°54'19"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/17/2020 at 6:22 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

USGS The National Map: Orthoimagery. Data refreshed April 2020

82°45'12"W 29°53'48"N



NOTES TO USERS

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

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

**Coastal Base Flood Elevations** shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Lambert Conformal Conic, Florida North Zone. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

Spatial Reference System Division  
National Geodetic Survey, NOAA  
Silver Spring Metro Center  
1315 East-West Highway  
Silver Spring, Maryland 20910  
(301) 713-3191

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

**Base map** information shown on this FIRM was derived from Florida Department of Transportation aerials produced at a scale of 1:200 from photography dated 2006.

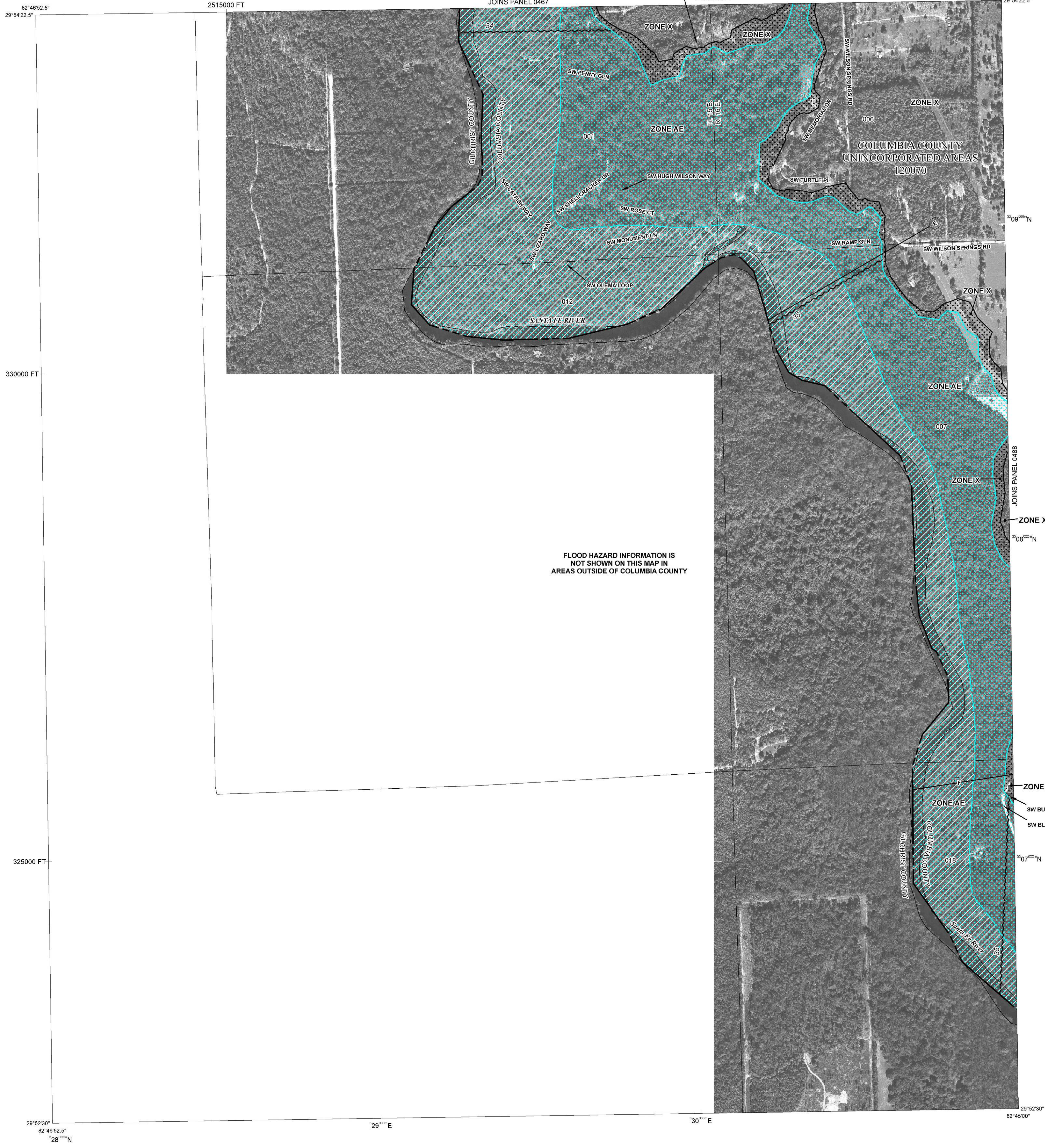
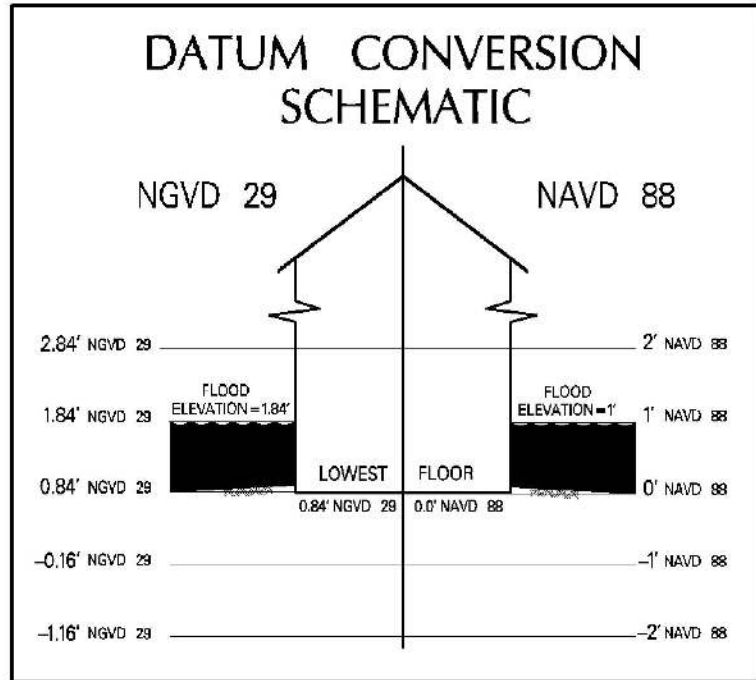
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to confirm to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables for Suwannee River and Santa Fe River in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

**Corporate limits** shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

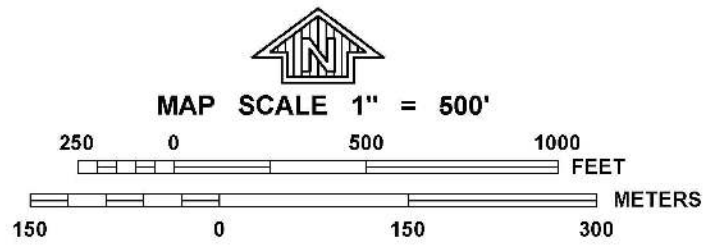
Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at <http://www.fema.gov/msc>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov>.



LEGEND

- SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**
- The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.
- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently destroyed. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.
- OTHER FLOOD AREAS**
- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot, or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.
- COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**
- OTHERWISE PROTECTED AREAS (OPAs)**
- CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Base Flood Elevation line and value; elevation in feet\*
- Base Flood Elevation value where uniform within zone; elevation in feet\*
- \* Referenced to the North American Vertical Datum of 1988
- Cross section line
- Transect line
- Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 1000-meter Universal Transverse Mercator grid values, zone 17
- 5000-foot grid ticks: Florida State Plane coordinate system, North zone (FIPSZONE 0903), Lambert Conformal Conic projection
- Bench mark (see explanation in Notes to Users section of this FIRM panel)
- River Mile



**NATIONAL FLOOD INSURANCE PROGRAM**

**PANEL 0469C**

**FIRM**

**FLOOD INSURANCE RATE MAP**

**COLUMBIA COUNTY, FLORIDA AND INCORPORATED AREAS**

**PANEL 469 OF 552**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

**CONTAINS**

COMMUNITY	NUMBER	PANEL	SUFFIX
COLUMBIA COUNTY	120070	0469	C

Notice to User: The Map Number shown below should be used when placing map orders, the Community Number shown above should be used on insurance applications for the subject community.

**MAP NUMBER**  
12023C0469C

**EFFECTIVE DATE**  
FEBRUARY 4, 2009

Federal Emergency Management Agency