

ONE FOOT RISE REPORT

Prepared for:

KARRI MCCLELLAND-GRAY

641 SW BUMBLE STREET
FORT WHITE, FL

Lots 35 & 65, Unit 8, Three Rivers Estates
Section 26, Township 6 South, Range 15 East

Columbia County, Florida

April 24, 2023

Prepared by:

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



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Carol Chadwick
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cn=Carol Chadwick
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PROJECT DESCRIPTION

Karri McClelland-Gray would like to permit improvements to Lots 35 & 65, Unit , Three Rivers Estates located in Section 26, Township 6 South, Range 15 East, Columbia County, Florida. Property address is 641 SW Bumble Street, Fort White, FL. The parcel number for the property is 00-00-00-00714-035. The permit will be for the construction of a new 16' by 76' home. The proposed structure is not located within 75 feet of the Santa Fe River.

ANALYSIS

The attached SRWMD Flood Report shows the base flood elevation is 33.5. The area of the Zone AE flood plain 100' upstream and 100' downstream is 1189179 s.f. or 27.3 acres. The area of the proposed structure is 1216 s.f. The proposed structure is 0.001 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

April 24, 2023

ONE FOOT RISE CERTIFICATION

Owner: Karri McClelland-Gray

Property Address: 641 SW Bumble Street
Fort White, FL

Property Description: Lots 35 & 65, Unit 8, Three Rivers Estates
Section 26, Township 6 South, Range 15 East
Columbia County, Florida

Structure in Floodway: 16' x 76' home

Elevation of 100-year flood: 33.5 feet (SRWMD Flood Report)

Community Panel: 12023C 0476C

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 the Santa Fe River.

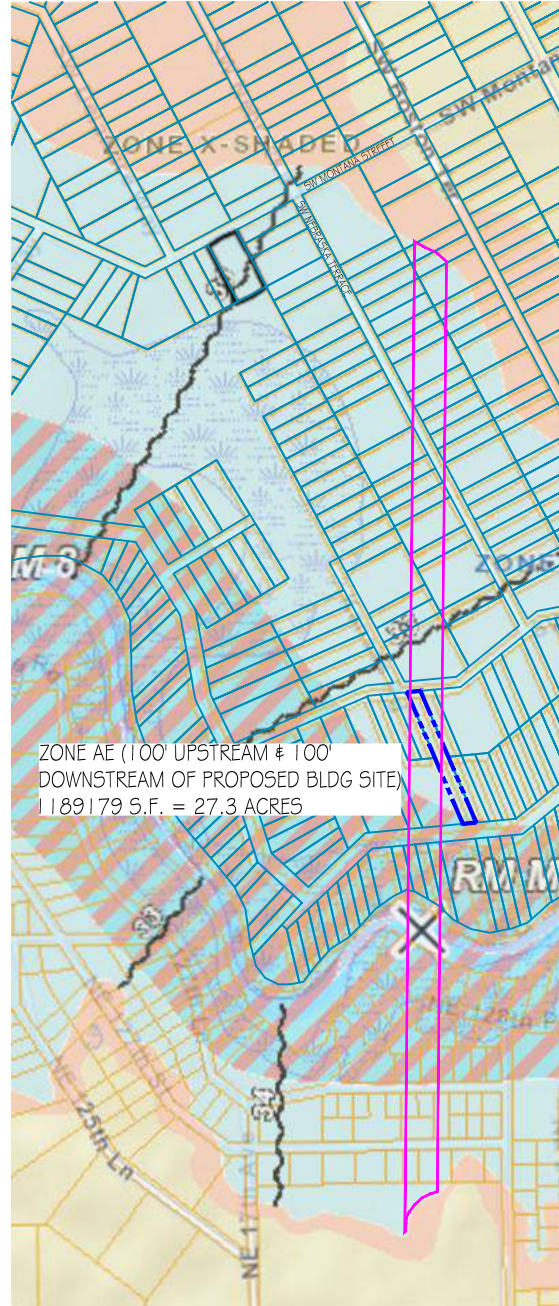
Carol Chadwick, P.E.

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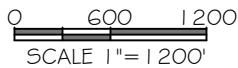
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LOCATION MAP

LOTS 35 & 65, UNIT 8, THREE RIVERS ESTATES
SECTION 26, TOWNSHIP 6 SOUTH, RANGE 15 EAST
COLUMBIA COUNTY, FL



ZONE AE (100' UPSTREAM & 100'
DOWNSTREAM OF PROPOSED BLDG SITE)
1189179 S.F. = 27.3 ACRES

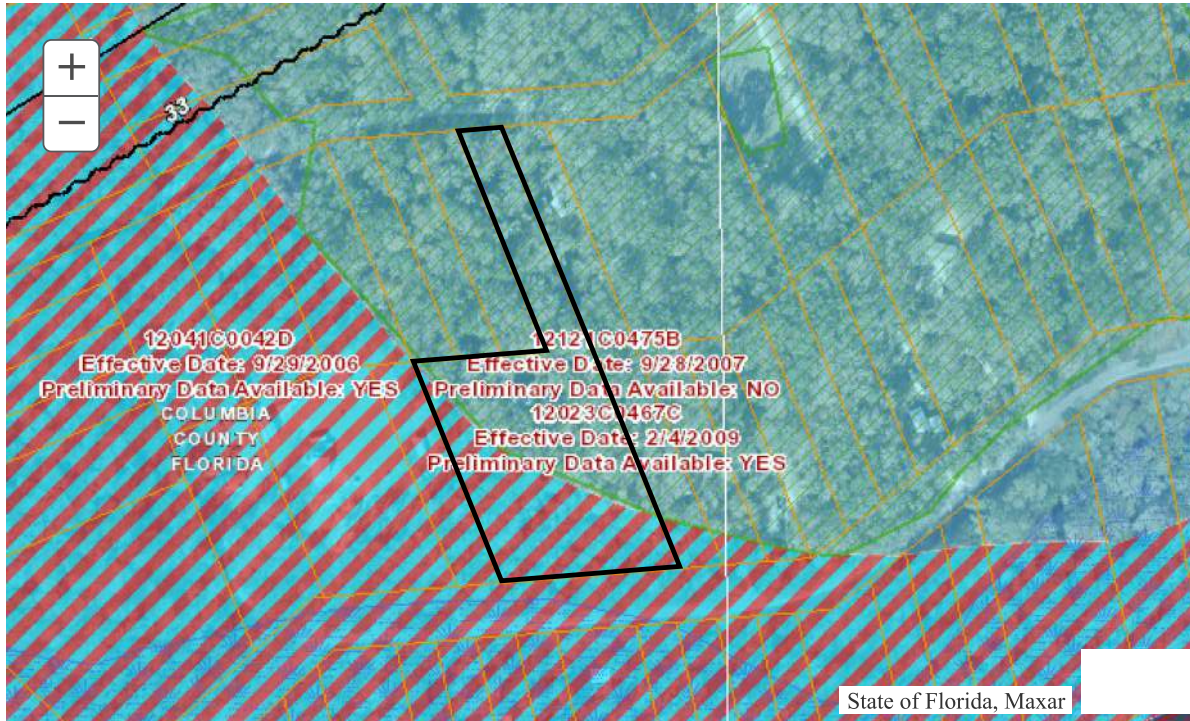


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PROJECT NO. FL23167	LOCATION MAP 641 SW BUMBLE STREET FORT WHITE, FL
DATE APR. 24, 2023	PREPARED FOR KARRI MCCLELLAND-GRAY
REVISION DATE 	
SHEET 1	SHEETS OF 1

SRWMD FLOOD REPORT

EFFECTIVE FLOOD INFORMATION REPORT



Location Information

County: **COLUMBIA**
 Parcel: **00-00-00-00714-000**
 Flood Zone: **AE, AE FW**
 Flood Risk: **HIGH**

1% Annual Chance Base Flood Elev* **33.5 (feet)**
 10% Annual Chance Flood Elev* **27.7 (feet)**
 50% Annual Chance Flood Elev* **22 (feet)**

* Flood Elevations shown on this report are in NAVD 88 and are derived from FEMA flood mapping products, rounded to the nearest tenth of a foot. For more information, please see the note below

Legend with Flood Zone Designations

	1% Flood -Floodway (High Risk)		Area Not Included		CrossSections		Wetlands
	1% Flood - Zone AE (High Risk)		SFHA Decrease		County Boundaries		
	1% Flood - Zone A (HighRisk)		SFHA Increase		FIRM Panel Index		
	1% Flood - Zone VE (HighRisk)		Depressions		Parcels		
	0.2% Flood-Shaded Zone X (Moderate Risk)		BaseFlood Elevations (BFE)		River Marks		

Supplemental Information

Watershed	Santa Fe	Map Effective Date	2/4/2009	Special Flood Hazard Area	Yes
FIRM Panel(s)	12023C0467C				

Anywhere it can rain, it can flood
Know your risk.



www.srwmfloodreport.com

The information herein represents the best available data as of the effective map date shown. The Federal Emergency Management Agency (FEMA) Flood Map Service Center (<https://msc.fema.gov>) maintains the database of Flood Insurance Studies and Digital Flood Insurance Rate Maps, as well as additional information such as how the Base Flood Elevations (BFEs) and/or floodways have been determined and previously issued Letters of Map Change. Requests to revise flood information may be provided to the District during the community review period on preliminary maps, or through the appropriate process with FEMA [Change Your Flood Zone Designation | FEMA.gov](https://www.floodsmart.com). Information about flood insurance may be obtained at (<https://www.floodsmart.com>)

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

SITE PLAN BY OTHERS



—SW Bumble St.—

81.88'

16X76
New Home

110'

168

33

THE UNIVERSITY OF CHICAGO

SECRET

10'

-893.89'

893.84'

703

-83.89'

—SW Santa Fe Dr.—

Three Rivers Estates