

# ONE FOOT RISE REPORT

Prepared for:

MICHAEL GENDREAU

756 S.W. PLEASANT TERRACE  
FORT WHITE, FL

Lots 69 & 70, Unit 12, Three Rivers Estates  
Section 36, Township 6 South, Range 15 East

Columbia County, Florida

July 20, 2020

Prepared by:

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



Carol Chadwick, PE  
cn=Carol Chadwick, PE,  
o=This item has been  
electronically signed and  
sealed by Carol Chadwick,  
PE using a digital  
signature., ou,  
email=ccpewyo@gmail.co  
m, c=US  
2020.07.20 10:34:19 -04'00'

## TABLE OF CONTENTS

|                                        |   |
|----------------------------------------|---|
| Project Description                    | 2 |
| Analysis                               | 2 |
| Conclusion                             | 2 |
| One Foot Rise Certification            | 3 |
| Location Map                           | 4 |
| SRWMD Flood Report                     | 5 |
| Columbia County Property Appraiser Map | 6 |
| Firmette                               | 7 |

## PROJECT DESCRIPTION

Michael Gendreau would like to permit improvements to 756 S.W. Pleasant Terrace, Fort White, FL, located in Section 36, Township 6 South, Range 15 East, Columbia County, Florida. The parcel number for the property is 00-00-00-00865-069. The permit will be for the construction of a new 32' by 60' residence. The proposed structure is not located within 75 feet of the Santa Fe River.

Photo 1. Proposed building from the south side of the lot looking north.



## ANALYSIS

The attached SRWMD Flood Report shows the base flood elevation at 34.0. The area of the Zone AE flood plain 100' upstream and 100' downstream is 547,287 s.f. or 12.56 acres. The area of the proposed structure is 1920 s.f. The proposed structure is 0.35 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

July 20, 2020

## ONE FOOT RISE CERTIFICATION

Owner: Michael Gendreau

Property Address: 756 S.W. Pleasant Terrace  
Fort White, FL

Property Description: Lots 69 & 70, Unit 12, Three Rivers Estates  
Section 36, Township 6 South, Range 15 East  
Columbia County, Florida

Structure in Floodway: 32' x 60' Residence

Elevation of 100-year flood: 34.0 feet (SRWMD)

Community Panel: 120070 0467C (Map Number 12023C0467C) Feb. 4, 2009

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.

CC Job FL20135

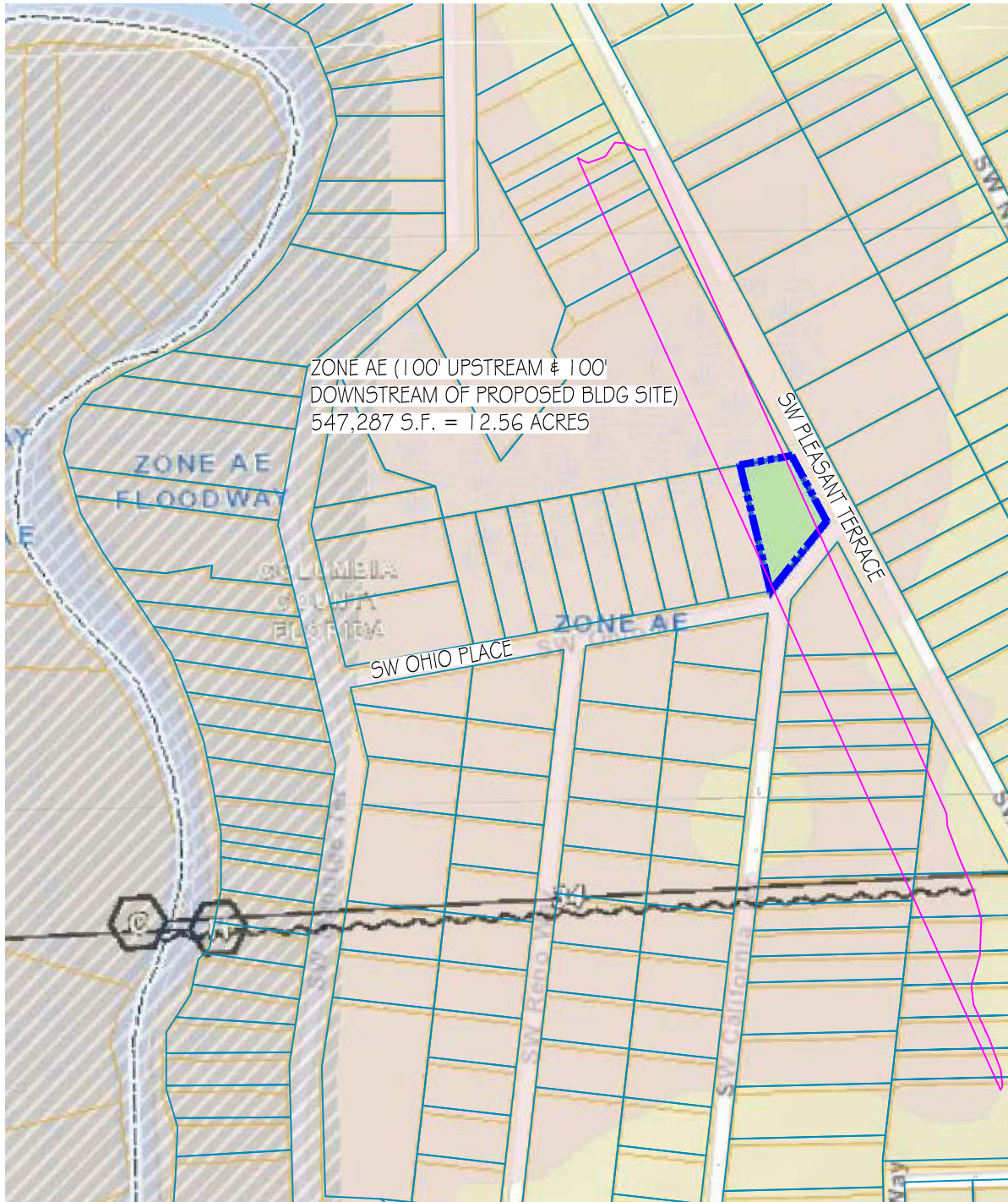


Carol Chadwick, PE  
cn=Carol Chadwick,  
PE, o=This item has  
been electronically  
signed and sealed  
by Carol Chadwick,  
PE using a digital  
signature., ou,  
email=ccpewyo@g  
mail.com, c=US<sup>®</sup>  
2020.07.20 10:33:44  
-04'00'

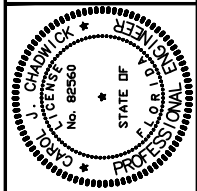
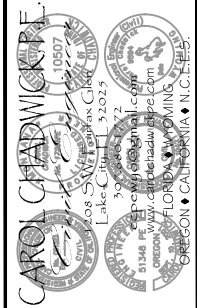
## LOCATION MAP

# LOCATION MAP

LOTS 69 & 70, UNIT 12 THREE RIVERS ESTATES  
SECTION 36, TOWNSHIP 6 SOUTH, RANGE 15 EAST  
756 S.W. PLEASANT TERRACE, FORT WHITE  
COLUMBIA COUNTY, FL



ZONE AE (100' UPSTREAM & 100'  
DOWNSTREAM OF PROPOSED BLDG SITE)  
547,287 S.F. = 12.56 ACRES



| REVISION DESCRIPTION | DATE |
|----------------------|------|
|                      |      |
|                      |      |
|                      |      |
|                      |      |
|                      |      |
|                      |      |
|                      |      |
|                      |      |
|                      |      |

PREPARED FOR  
MICHAEL GENDREAU  
386.266.8589

BAUGHN LOCATION MAP  
756 SW PLEASANT TERRACE  
FORT WHITE, FL

|               |               |
|---------------|---------------|
| PROJECT NO.   | FL20135       |
| DATE          | JULY 20, 2020 |
| REVISION DATE |               |
| SHEET         | 1 of 1        |



Carol Chadwick, PE  
cn=Carol Chadwick,  
PE, o=This item has  
been electronically  
signed and sealed by  
Carol Chadwick, PE  
using a digital  
signature., ou,  
email=ccpewyo@ma  
il.com, c=US  
2020.07.20 10:32:49  
-04'00'



0 250 500  
SCALE 1"=500'

## SRWMD FLOOD REPORT

# Suwannee River Water Management District Effective Flood Information Report



## LOCATION

Date: 7-20-2020

Parcel: 00-00-00-00865-069

County: COLUMBIA

STR: S036 T06 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 (feet)

10% Annual Chance  
Flood Elev: 27.9 (feet)

50% Annual Chance  
Flood Elev: 22 (feet)

Note: Elevations are based on NAVD88

FIRM Panel(s): 12023C0467C

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

Parcel: << 00-00-00-00865-069 >>

Owner & Property Info

Result: 2 of 2

|              |                                                                                                                                                                       |              |          |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|
| Owner        | GENDREAU MICHAEL J<br>756 SW PLEASANT TERR<br>FORT WHITE, FL 32038                                                                                                    |              |          |
| Site         | 756 PLEASANT TER, FT WHITE                                                                                                                                            |              |          |
| Description* | LOTS 69 & 70 UNIT 12 THREE RIVERS ESTATES, ORB 749-1668. PROB 2003-358-CP, 1003-1021, PRD 1006-374, 1012-1980, QCD 1039-1540, WD 1085-802, QC 1119-2407, WD 1119-2408 |              |          |
| Area         | 1.41 AC                                                                                                                                                               | S/T/R        | 36-6S-15 |
| Use Code**   | MISC RES (000700)                                                                                                                                                     | 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.

| 2019 Certified Values |                                                                       | 2020 Working Values |                                                                       |
|-----------------------|-----------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------|
| Mkt Land (2)          | \$10,450                                                              | Mkt Land (2)        | \$10,450                                                              |
| Ag Land (0)           | \$0                                                                   | Ag Land (0)         | \$0                                                                   |
| Building (0)          | \$0                                                                   | Building (0)        | \$0                                                                   |
| XFOB (1)              | \$400                                                                 | XFOB (1)            | \$400                                                                 |
| Just                  | \$10,850                                                              | Just                | \$10,850                                                              |
| Class                 | \$0                                                                   | Class               | \$0                                                                   |
| Appraised             | \$10,850                                                              | Appraised           | \$10,850                                                              |
| SOH Cap [?]           | \$0                                                                   | SOH Cap [?]         | \$0                                                                   |
| Assessed              | \$10,850                                                              | Assessed            | \$10,850                                                              |
| Exempt                | \$0                                                                   | Exempt              | \$0                                                                   |
| Total Taxable         | county:\$10,560<br>city:\$10,560<br>other:\$10,560<br>school:\$10,850 | Total Taxable       | county:\$10,850<br>city:\$10,850<br>other:\$10,850<br>school:\$10,850 |



| Sales History |            |           |      |     |                 |       |
|---------------|------------|-----------|------|-----|-----------------|-------|
| Sale Date     | Sale Price | Book/Page | Deed | V/I | Quality (Codes) | RCode |
| 5/18/2007     | \$22,500   | 1119/2408 | WD   | V   | U               | 08    |
| 11/20/2006    | \$10,000   | 1102/1557 | QC   | V   | U               | 01    |
| 5/26/2006     | \$25,000   | 1085/0802 | WD   | I   | Q               |       |
| 3/24/2005     | \$14,000   | 1042/1394 | WD   | I   | U               | 07    |
| 2/11/2005     | \$9,900    | 1039/1540 | QC   | I   | U               | 06    |
| 8/9/2004      | \$10,200   | 1025/0307 | WD   | I   | U               | 08    |
| 1/27/2004     | \$100      | 1006/0374 | PR   | I   | U               | 06    |
| 7/24/1991     | \$7,300    | 749/1668  | WD   | I   | U               | 12    |

| 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) |
| 0296                                   | SHED METAL | 0        | \$400.00 | 1.000 | 0 x 0 x 0 | (000.00)           |

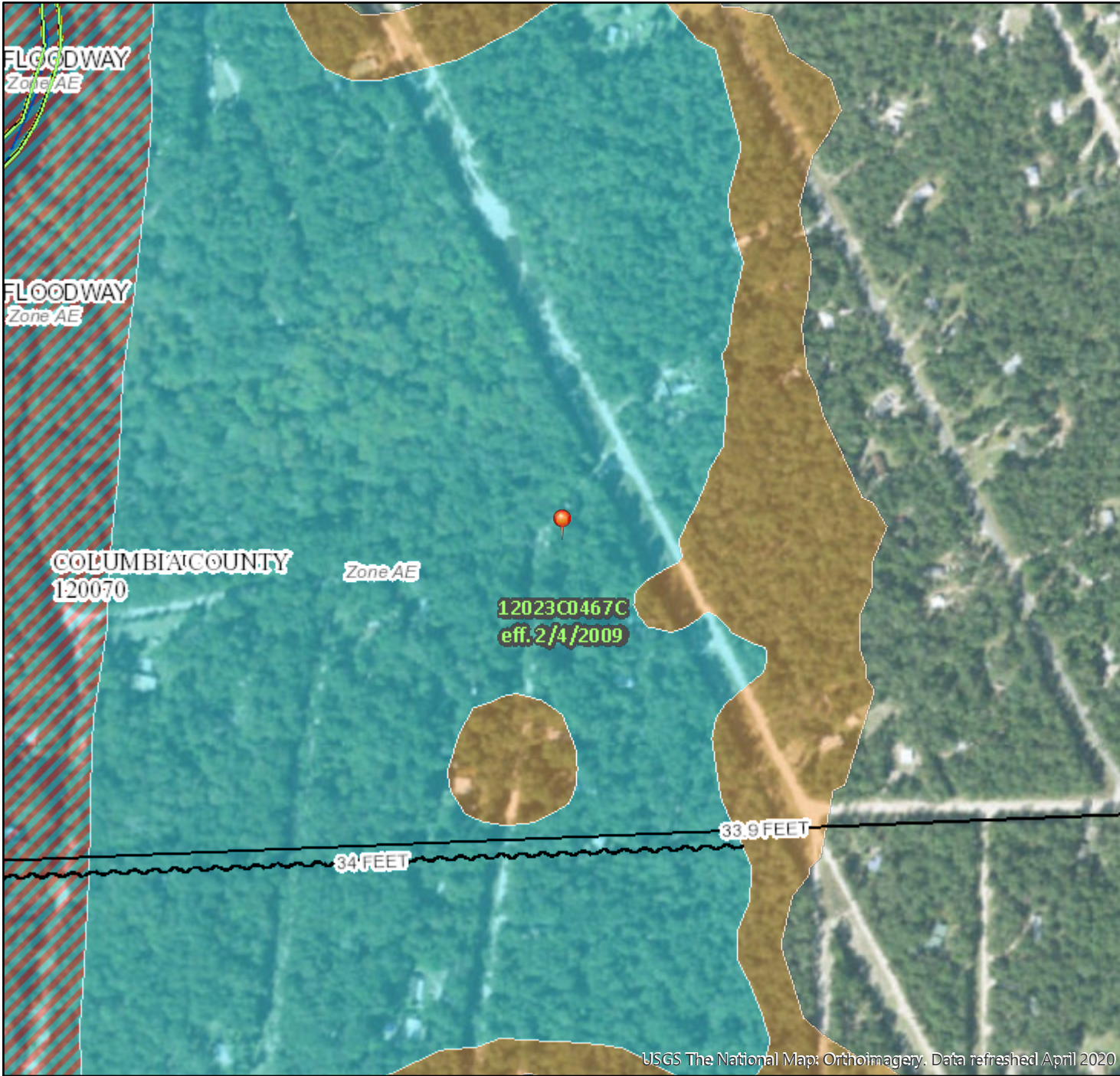
| Land Breakdown |                 |                       |                     |          |            |
|----------------|-----------------|-----------------------|---------------------|----------|------------|
| Land Code      | Desc            | Units                 | Adjustments         | Eff Rate | Land Value |
| 000700         | MISC RES (MKT)  | 2.000 LT - (1.410 AC) | 1.00/1.00 0.60/1.00 | \$3,600  | \$7,200    |
| 009945         | WELL/SEPT (MKT) | 1.000 UT - (0.000 AC) | 1.00/1.00 1.00/1.00 | \$3,250  | \$3,250    |

## FEMA FIRMETTE

# National Flood Hazard Layer FIRMMette



82°46'13"W 29°55'39"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

USGS The National Map: Orthoimagery. Data refreshed April 2020

82°45'35"W 29°55'8"N

## Legend

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

|                             |  |                                                                                                                                                                   |
|-----------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SPECIAL FLOOD HAZARD AREAS  |  | Without Base Flood Elevation (BFE)<br>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 Cross Sections with 1% Annual Chance Water Surface Elevation                                                                                                 |
|                             |  | Coastal Transect                                                                                                                                                  |
|                             |  | Base Flood Elevation Line (BFE)                                                                                                                                   |
|                             |  | Limit of Study                                                                                                                                                    |
|                             |  | Jurisdiction Boundary                                                                                                                                             |
|                             |  | Coastal Transect 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 7/19/2020 at 9:41 PM 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.