

## Less than 1 Foot Rise Certification

Client/Owner: Edmund & Bonnie Blackwell  
Contractor: Unknown  
Property Description: 2.87 Acres in Columbia County, FL  
Structure(s) in Flood Area: Not Specified  
Parcel ID#: 00-00-00-00856-003

### **Impact of Storage Volume Reduction - Calculations**

Flood Map for Property: 12023C 0458C  
Elevation of 100 yr flood: 33.00 NAVD88, Zone AE  
Length of river reach between  
BFE -4 feet and BFE +1 foot: 3.66 miles = 19,320 ft  
Width of floodplain: 1,694 ft  
Effective Flood Area:  $1,694 \text{ ft} \times 19,320 \text{ ft} = 32,728,000 \text{ ft}^2$   
  
Depth of proposed Fill\Obstruction: Less than 10ft  
Area of proposed Fill\Obstruction: Less than 2.87 acres (125,000 ft<sup>2</sup>)  
Volume of proposed Fill\Obstruction: Less than  $10 \text{ ft} \times 125,000 \text{ ft}^2 = 1,250,000 \text{ ft}^3$   
Flood Elevation Increase  
due to reduction of storage volume:  $1,250,000 \text{ ft}^3 / 32,728,000 \text{ ft}^2 = \mathbf{0.0382 \text{ ft}}$

I hereby certify that construction of the proposed structure(s), fill, and/or obstruction(s) as specified in this letter will not cause the flood waters of the surrounding area to rise greater than 1 foot due to a reduction in storage volume. The property is not inside any regulatory floodway.

*David Winsberg*

David M. Winsberg  
PE# 68463, CA# 29596  
July 13, 2021

