

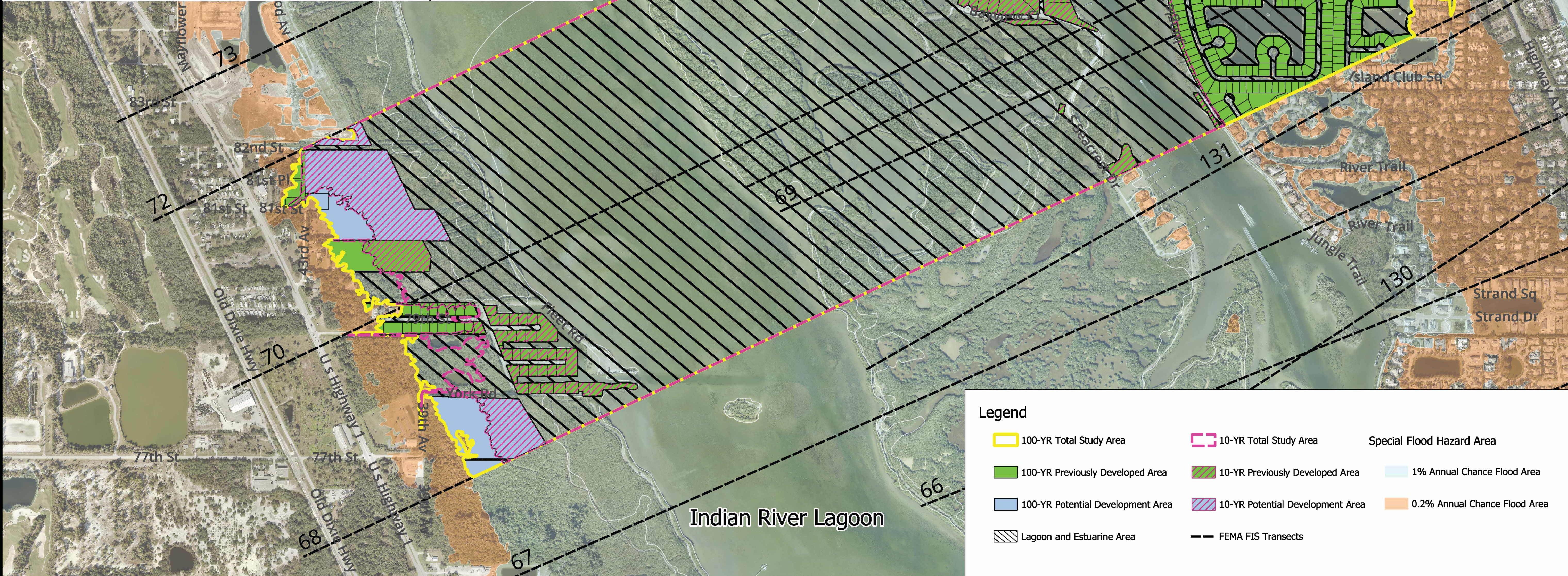
# No-Rise Data and Calculation

## 100-YR Floodplain (Required)

Total Study Area	45,913,791 Square Feet		
Previously Developed Area	5,716,742 Square Feet		
Potential Development Area	2,868,076 Square Feet		
Lagoon and Estuarine Area	37,328,973 Square Feet		
FIS 100-YR Flood Elevation (SWEL)	5.8 Feet NAVD	6 Feet NAVD	7 Feet NAVD
Potential Development Area Volume of Fill below SWEL	10,235,716 Cubic Feet	10,803,841 Cubic Feet	13,665,799 Cubic Feet
Lagoon and Estuarine Area	37,328,973 Square Feet	37,328,973 Square Feet	37,328,973 Square Feet
Maximum Potential Rise	0.27 Feet	0.29 Feet	0.37 Feet

## 10-YR Floodplain (Requested)

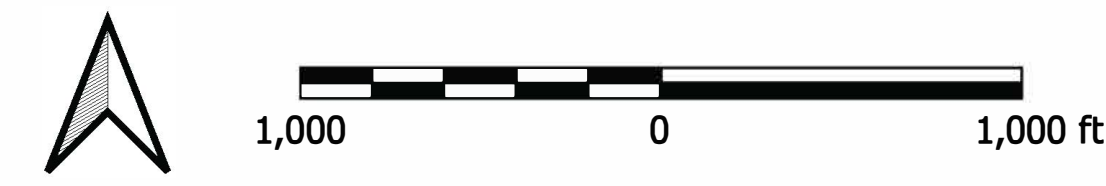
Total Study Area	37,964,002 Square Feet	100-YR/10-YR Comparison
Previously Developed Area	2,709,567 Square Feet	
Potential Development Area	1,830,646 Square Feet	
Lagoon and Estuarine Area	33,423,789 Square Feet	
FIS 10-YR Flood Elevation (SWEL)	3.3 Feet NAVD	Difference in Volume of Fill between 10-YR and 100-YR: 9,774,896 Cubic Feet
Potential Development Area Volume of Fill below SWEL	3,890,903 Cubic Feet	Difference in Lagoon and Estuarine Area between 10-YR and 100-YR: 3,905,184 Square Feet
Lagoon and Estuarine Area	33,423,789 Square Feet	Difference in Maximum Potential Rise between 10-YR and 100-YR: 0.25 Feet
Maximum Potential Rise	0.12 Feet	



**Legend**

100-YR Total Study Area	10-YR Total Study Area	Special Flood Hazard Area
100-YR Previously Developed Area	10-YR Previously Developed Area	1% Annual Chance Flood Area
100-YR Potential Development Area	10-YR Potential Development Area	0.2% Annual Chance Flood Area
Lagoon and Estuarine Area	FEMA FIS Transects	

Aerial Photography: Indian River County (January 2023)  
 Map Projection: EPSG:2236 - NAD83 / Florida East (ftUS)  
 Floodzones and Transects: FEMA NFHL 12061C  
 Parcel Data: Indian River County Property Appraisor



REVISIONS	BY
6/7/2024	BP

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**Coastal Waterways**

COASTAL ENGINEERING - ENVIRONMENTAL PERMITTING  
 EMERGENCY MANAGEMENT - WATERFRONT DEVELOPMENT

Fischer Property - Coastal Engineering Study Demonstrating Eligibility of Waiver from Cut and Fill Balance Requirements  
 8550 Jungle Trail, Indian River County, FL

**Exhibit E - 100-YR/10-YR Compensatory Calculations**

Drawn By	BP
Review	SWB
Date	04/25/2024
Scale	AS NOTED
Project Number	3002401
Sheet Number	

**E**

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3002401