Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group A): 2022 – 2023



Photo Point A3 to A1 (4/7/2022)

Photo Point A3 to A1 (11/9/2022)



Photo Point A1 to A3 (6/13/2023)



Photo Point A3 to A1 (6/13/2023)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group A): 2023 – 2024



Photo Point A1 to A3 (12/21/2023)



Photo Point A1 to A3 (x/x/2024)



Photo Point A3 to A1 (12/21/2023)

Photo Point A3 to A1 (x/x/2024)



Photo Point A1 to A3 (x/x/2024)



Photo Point A3 to A1 (x/x/2024)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group B): 2022 – 2023



Photo Point B4 to B6 (4/7/2022)

Photo Point B4 to B6 (11/9/2022)



Photo Point B6 to B4 (4/7/2022)

Photo Point B6 to B4 (11/9/2022)



Photo Point B4 to B6 (6/13/2023)

Photo Point B6 to B4 (6/13/2023)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group B): 2023 – 2024



Photo Point B4 to B6 (12/21/2023)

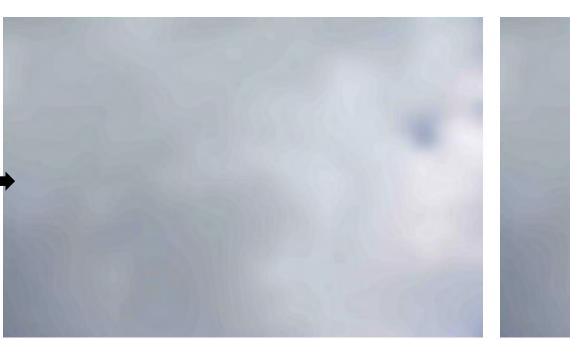


Photo Point B4 to B6 (x/x/2024)

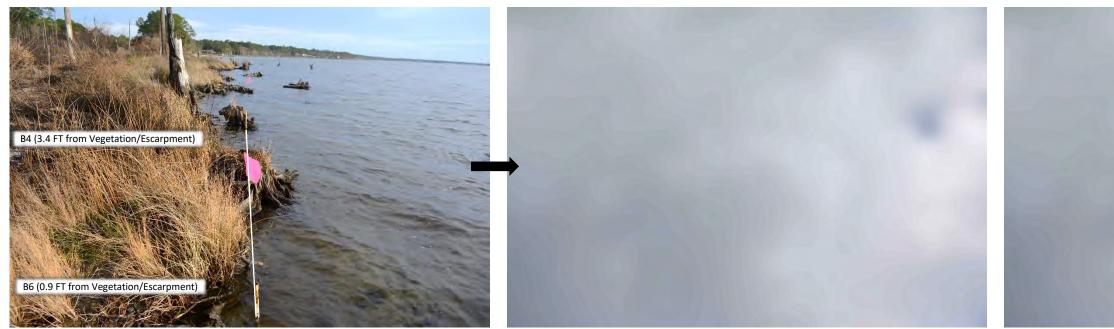


Photo Point B6 to B4 (12/21/2023)

Photo Point B6 to B4 (x/x/2024)

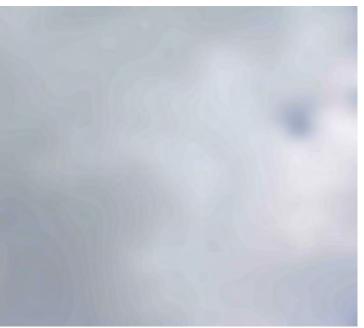


Photo Point B4 to B6 (x/x/2024)



Photo Point B6 to B4 (x/x/2024)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group C): 2022 – 2023



Photo Point C7 to C9 (4/7/2022)

Photo Point C7 to C9 (11/9/2022)



Photo Point C9 to C7 (4/7/2022)

Photo Point C9 to C7 (11/9/2022)

Photo Point C7 to C9 (6/13/2023)

Photo Point C9 to C7 (6/13/2023)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group C): 2023 – 2024



Photo Point C7 to C9 (12/21/2023)



Photo Point C7 to C9 (x/x/2024)



Photo Point C9 to C7 (12/21/2023)

Photo Point C9 to C7 (x/x/2024)



Photo Point C7 to C9 (x/x/2024)



Photo Point C9 to C7 (x/x/2024)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group D): 2022 – 2023

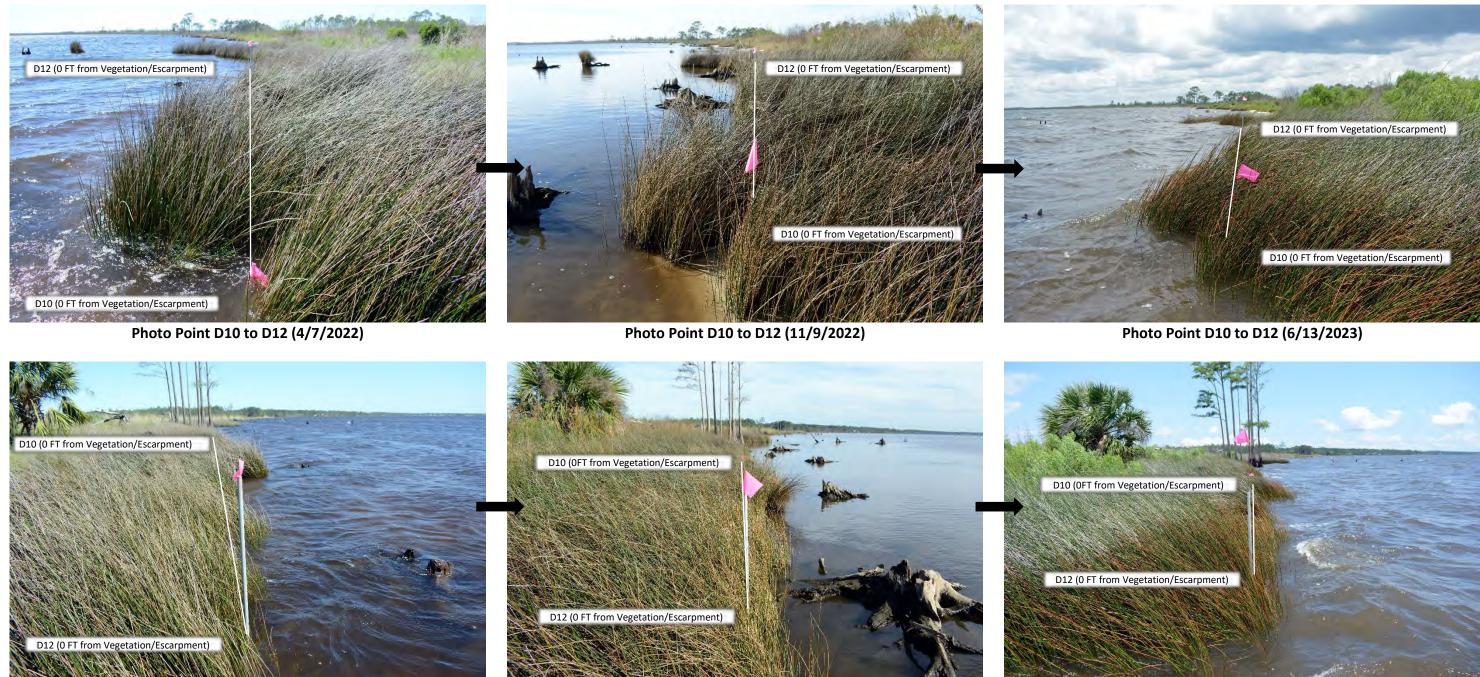


Photo Point D12 to D10 (4/7/2022)

Photo Point D12 to D10 (11/9/2022)

Photo Point D12 to D10 (6/13/2023)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group D): 2023 – 2024



Photo Point D12 to D10 (12/21/2023)

Photo Point D12 to D10 (x/x/2024)

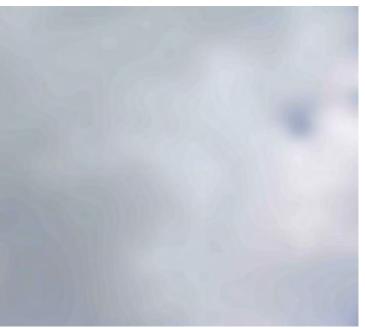


Photo Point D10 to D12 (x/x/2024)



Photo Point D12 to D10 (x/x/2024)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group E): 2022 – 2023

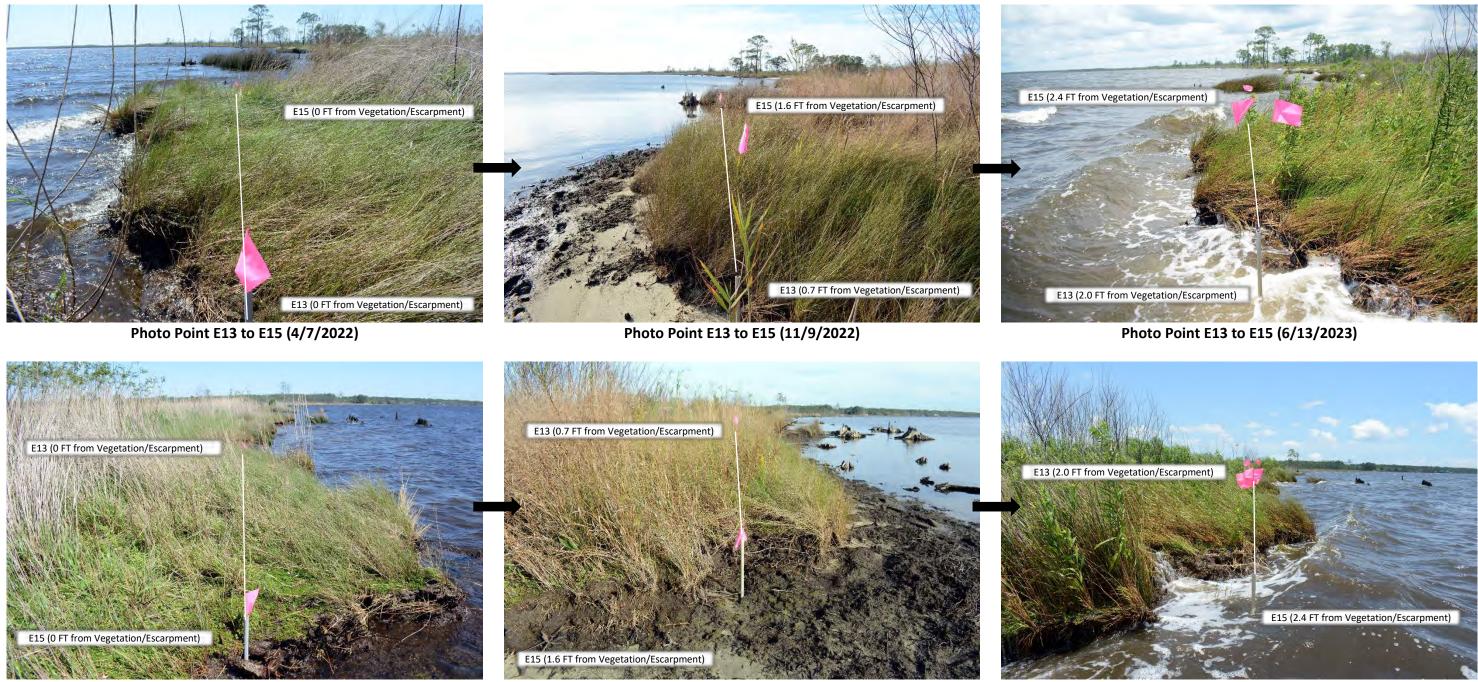


Photo Point E15 to E13 (4/7/2022)

Photo Point E15 to E13 (11/9/2022)

Photo Point E15 to E13 (6/13/2023)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group E): 2023 – 2024



Photo Point E13 to E15 (12/21/2023)



Photo Point E13 to E15 (x/x/2024)



Photo Point E15 to E13 (12/21/2023)



Photo Point E15 to E13 (x/x/2024)



Photo Point E13 to E15 (x/x/2024)



Photo Point E15 to E13 (x/x/2024)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group F): 2022 – 2023





Photo Point F18 to F16 (4/7/2022)

Photo Point F18 to F16 (11/9/2022)

Photo Point F18 to F16 (6/13/2023)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group F): 2023 – 2024



Photo Point F16 to F18 (12/21/2023)

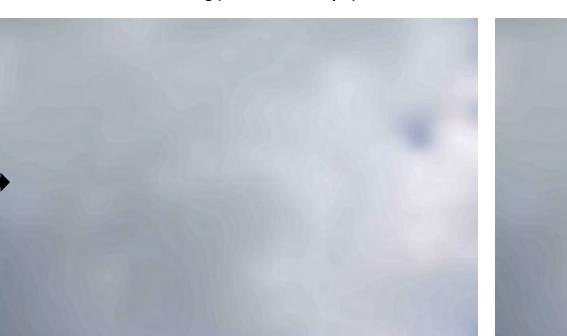


Photo Point F16 to F18 (x/x/2024)





Photo Point F18 to F16 (x/x/2024)

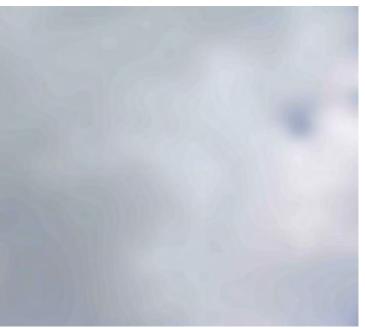


Photo Point F16 to F18 (x/x/2024)



Photo Point F18 to F16 (x/x/2024)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group G): 2023 – 2024



Photo Point G20 to G19 (6/13/2023)

Photo Point G20 to G19 (12/21/2023)



Photo Point G19 to G20 (x/x/2024)



Photo Point G20 to G19 (x/x/2024)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group H): 2023 – 2024

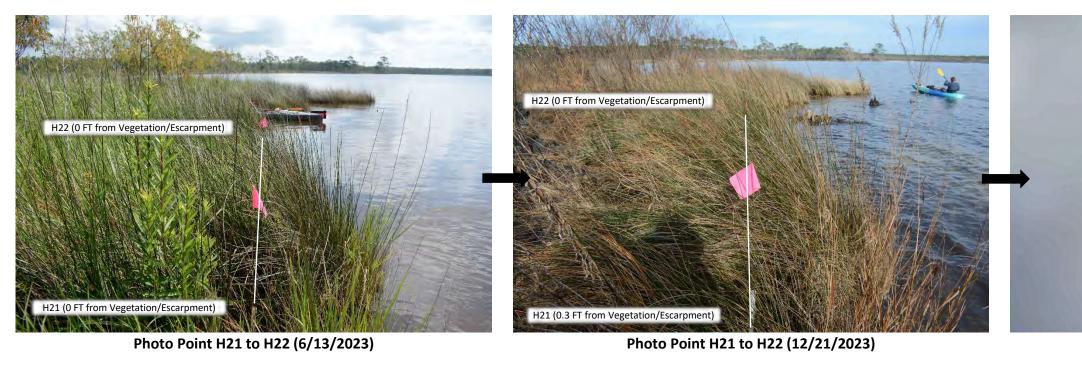




Photo Point H22 to H21 (6/13/2023)

Photo Point H22 to H21 (12/21/2023)



Photo Point H21 to H22 (x/x/2024)



Photo Point H22 to H21 (x/x/2024)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group I): 2023 – 2024



Photo Point I23 to I24 (6/13/2023)



Photo Point I23 to I24 (12/21/2023)



Photo Point I24 to I23 (6/13/2023)

Photo Point I24 to I23 (12/21/2023)



Photo Point I23 to I24 (x/x/2024)



Photo Point I24 to I23 (x/x/2024)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group J): 2023 – 2024



Photo Point J26 to J25 (12/21/2023)

J26 (0 FT from Vegetation/Escarpment)



Photo Point J26 to J25 (6/13/2023)



Photo Point J25 to J26 (x/x/2024)



Photo Point J26 to J25 (x/x/2024)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group K): 2023 – 2024



Photo Point K28 to K27 (6/13/2023)

Photo Point K28 to K27 (12/21/2023)

K28 (0 FT from Vegetation/Escarpment)



Photo Point K27 to K28 (x/x/2024)



Photo Point K28 to K27 (x/x/2024)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group L): 2023 – 2024





Photo Point L30 to L29 (6/13/2023)

Photo Point L30 to Approximately L29 (12/21/2023)

L30 (1.0 FT from Vegetation/Escarpment)



Photo Point L29 (PVC Marker Missing)



Photo Point L29 to Approximately L30 (x/x/2024)

Dutex Shoreline Shoreline Photo Monitoring (Erosion Pin Group M): 2023 – 2024



Photo Point M31 to M32 (6/13/2023)



Photo Point M31 to M32 (12/21/2023)



Photo Point M32 to M31 (6/13/2023)

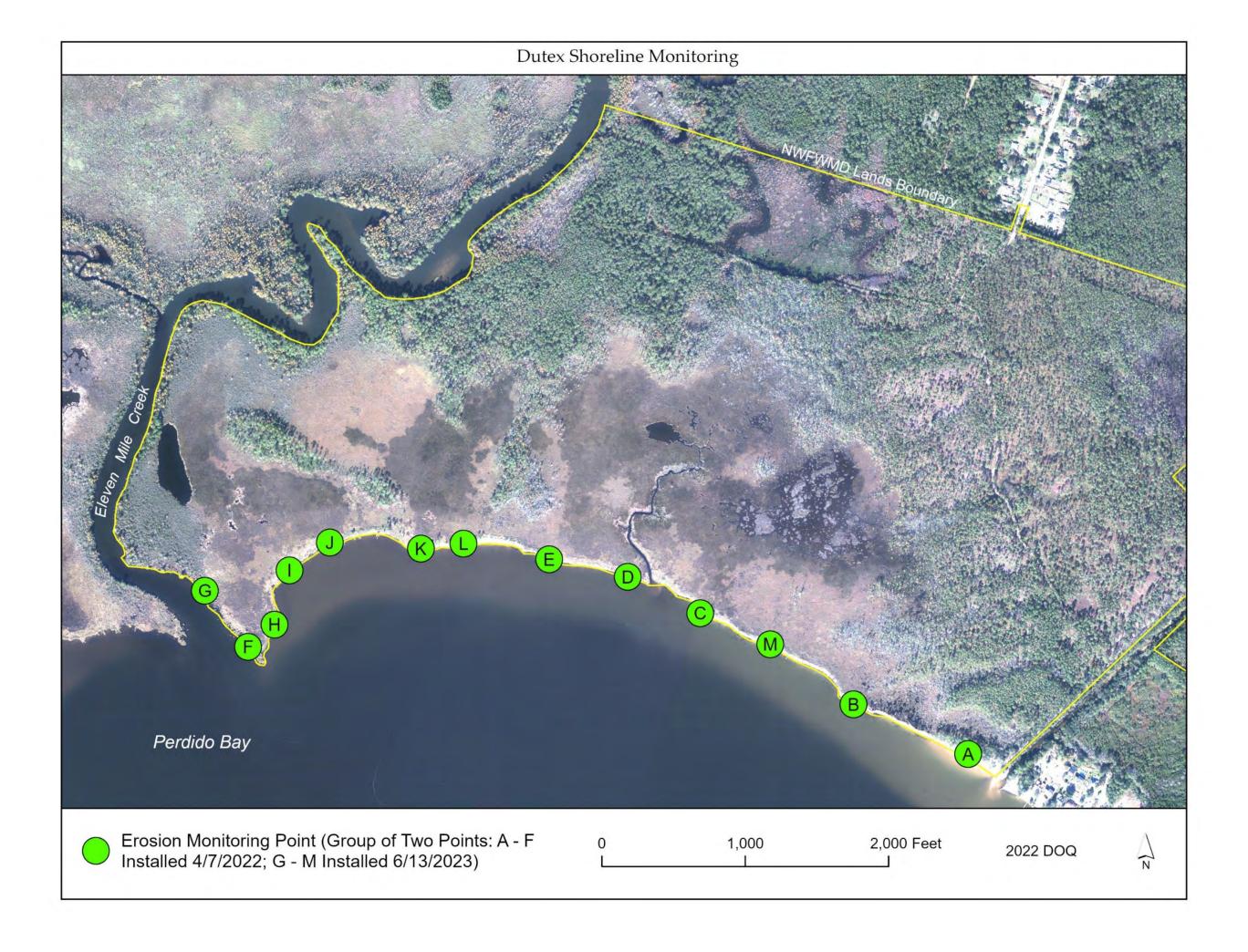
Photo Point M32 to M31 (12/21/2023)



Photo Point M31 to M32 (x/x/2024)



Photo Point M32 to M31 (x/x/2024)



| Dutex Shoreline Erosion Monitoring Photo Points A1 - F18 (2022 -2023) | | | | | | |
|---|------------|------------|---|--|-----------------------|--|
| | | | | | | |
| A1 | 4/7/2022 | 12/21/2023 | 623 | 1.7068 | 0.3 | 0.18 |
| A3 | 4/7/2022 | 12/21/2023 | 623 | 1.7068 | 0.3 | 0.18 |
| B4 | 4/7/2022 | 12/21/2023 | 623 | 1.7068 | 0.9 | 0.53 |
| B6 | 4/7/2022 | 12/21/2023 | 623 | 1.7068 | 0.2 | 0.12 |
| C7 | 4/7/2022 | 12/21/2023 | 623 | 1.7068 | 0.1 | 0.06 |
| С9 | 4/7/2022 | 12/21/2023 | 623 | 1.7068 | 8.7 | - |
| D10 | 4/7/2022 | 12/21/2023 | 623 | 1.7068 | 0.0 | 0.00 |
| D12 | 4/7/2022 | 12/21/2023 | 623 | 1.7068 | 0.0 | 0.00 |
| E13 | 4/7/2022 | 12/21/2023 | 623 | 1.7068 | 1.7 | 1.00 |
| E15 | 4/7/2022 | 12/21/2023 | 623 | 1.7068 | 2.4 | 1.41 |
| F16 | 4/7/2022 | 12/21/2023 | 623 | 1.7068 | 0.0 | 0.00 |
| F18 | 4/7/2022 | 12/21/2023 | 623 | 1.7068 | 0.0 | 0.00 |
| Average Annual Erosion Rate (FT per Year): APRIL 2022 - DECEMBER 2023 (Photo Points A1 - F18) | | | | | | 0.31 |
| | | | Photo Points | G19 - M32 (2023) | | |
| Point | Start Date | End Date | Measurement Period (No. of Elapsed Days) | Measurement Period (No. of Elapsed Years) | Δ DIST (FT) to VEG | Calculated Annual Erosion Rate Derived Current Data (FT per Year) |
| G19 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 0.0 | 0.00 |
| G20 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 0.0 | 0.00 |
| H21 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 0.3 | 0.57 |
| H22 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 0.0 | 0.00 |
| 123 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 0.0 | 0.00 |
| 124 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 0.0 | 0.00 |
| J25 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 0.0 | 0.00 |
| J26 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 0.0 | 0.00 |
| K27 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 0.3 | 0.57 |
| K28 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 0.0 | 0.00 |
| L29 | 6/13/2023 | missing | missing | missing | missing | missing |
| L30 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 1.0 | 1.91 |
| M31 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 0.0 | 0.00 |
| M32 | 6/13/2023 | 12/21/2023 | 191 | 0.5233 | 0.0 | 0.00 |
| Average Annual Erosion Rate (FT per Year): JUNE 2023 - DECEMBER 2023 (Photo Points G19 - M32) | | | | | | 0.24 |

Notes:

- Photo Points A1 F18 were installed 4/7/2022. Photo Points G19 M32 were installed 6/13/2023.
- the two points within a group (e.g., A1 A3 forms a line approximately parallel to the shoreline; A1 distance to shoreline is approximately perpendicular to this line; A3 distance to shoreline is approximately perpendicular to this line).
- recorded.
- Photo Point L29 is missing (as of 12/21/2023) and is excluded from erosion calculations.
- Average erosion 2022 2023, based on shoreline measurements, is approximately ¼ FT per year.
- events may be episodic and associated with hurricanes or major storms.

• Distance (FT) from Point (PVC Pipe) to Shoreline Vegetation/Escarpment is taken at an approximate right angle to the line formed by

• Photo Point C9 is an outlier and is excluded from annual erosion rate calculations because of concerns that previous measurements at this point may or may not have been perpendicular to the shoreline or that measurements may or may not have been accurately

• Analysis of historic aerials suggest an average erosion rate of approximately 1 FT per year from 1989 – 2019 and that major erosion