

Supplemental Materials

Date of image	Image Source
01/14/2009	Texas General Land Office via Google Earth
02/15/2010	Landsat/Copernicus via Google Earth
11/28/2011	Landsat/Copernicus via Google Earth
10/28/2012	Landsat/Copernicus via Google Earth
05/05/2014	Landsat/Copernicus via Google Earth
11/21/2015	Landsat/Copernicus via Google Earth
08/30/2017	NOAA Hurricane Harvey Emergency Response Imagery

Table S1: Date and source of aerial images used to measure annual shoreline retreat rate, sinuosity, and roughness.

Pin	Date Installed	Date Measured	Length exposed (cm)	Rate (m/month)
1	2/8/2015	4/5/2015	1.5	0.0081
2	2/8/2015	4/5/2015	2	0.010
1	2/8/2015	5/21/2015	eroded	≥ 0.065
2	2/8/2015	5/21/2015	eroded	≥ 0.062
3	4/5/2015	5/21/2015	5	0.033
4	4/5/2015	5/21/2015	eroded	≥ 0.075
3	4/5/2015	7/16/2015	buried	0
5	5/21/2015	7/16/2015	buried	0
6	5/21/2015	7/16/2015	buried	0
7	5/21/2015	7/16/2015	buried	0
8	5/21/2015	7/16/2015	buried	0
9	7/16/15	N/A	N/A	N/A
10	7/16/2015	9/7/2016	0.6	0.0034
11	7/16/2015	9/7/2016	1	0.0057
12	7/16/2015	9/7/2016	0.6	0.0034
13	7/16/2015	9/7/2016	0.8	0.0045
14	7/16/2015	9/7/2016	1.4	0.008
15	7/16/2015	9/7/2016	1	0.0057
16	7/16/15	N/A	N/A	N/A
10	7/16/2015	11/15/2015	eroded	≥ 0.047

11	7/16/2015	11/15/2015	eroded	≥ 0.045
12	7/16/2015	11/15/2015	eroded	≥ 0.047
13	7/16/2015	11/15/2015	eroded	≥ 0.046
14	7/16/2015	11/15/2015	eroded	≥ 0.044
15	7/16/2015	11/15/2015	eroded	≥ 0.045

Table S2: Erosion pin data from the 2015 field surveys. Two pins installed in July 2015 were tampered with and will be regarded as null measurements.