

# USACE – Galveston District

## Fate and Transport of Nearshore Berms at South Padre Island

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# Background

2014 Nearshore Placement  
(from DQM)





# Background

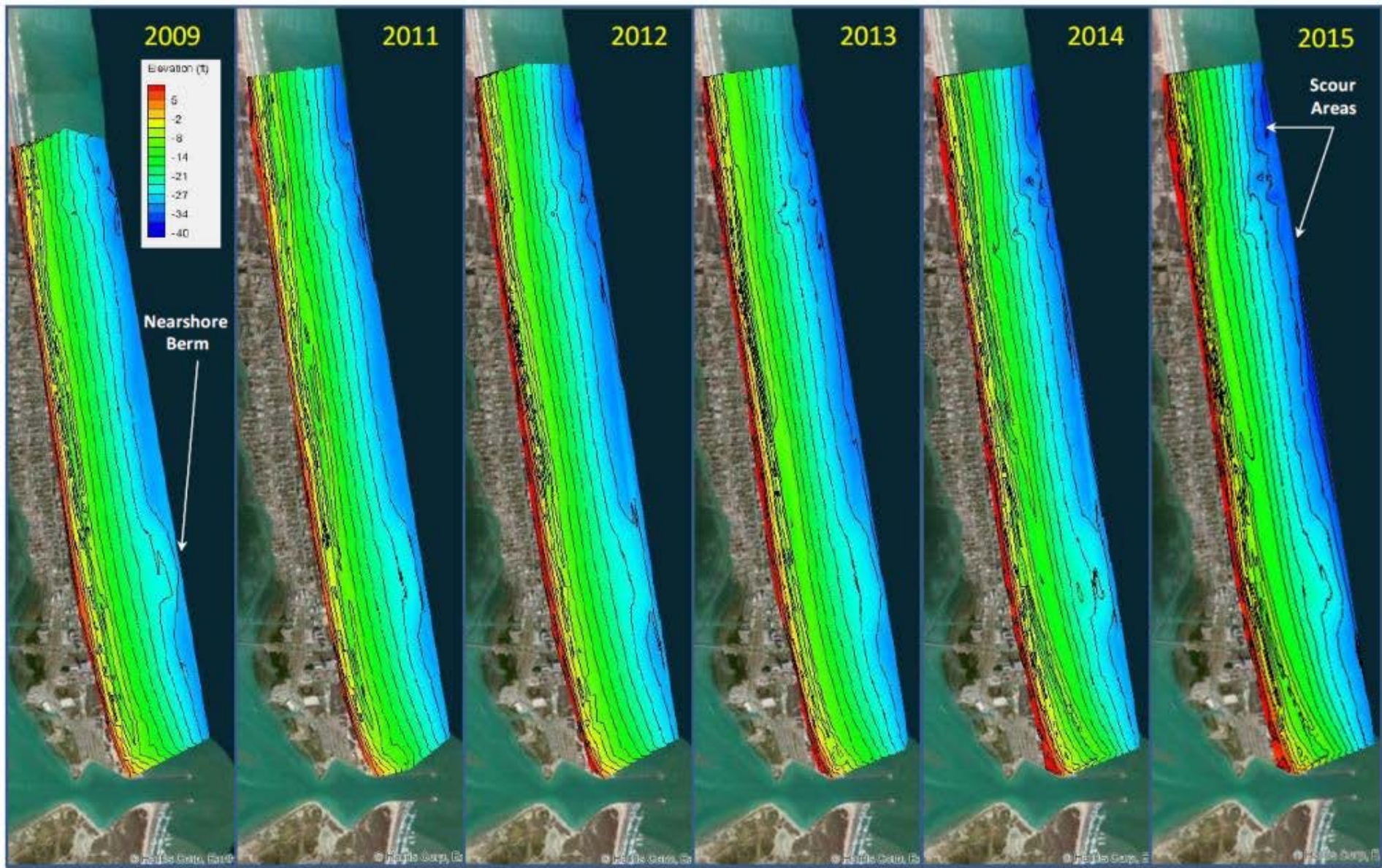
- History of BUDM at SPI
- 4.4M CY of Nearshore Placement

Year	Type of Placement	Location <sup>1</sup>	Est. Dredged Volume <sup>2</sup> (cy)
1988	Berm	Nearshore Berm	220,000
1991	Berm	Nearshore Berm	580,000
1995	Berm	Nearshore Berm	750,000
1997	Nourishment	Stations 182+29 to 242+29	490,000
	Berm	Nearshore Berm	396,000
1999	Nourishment	Stations 80+00 to 120+00	495,000
	Berm	Nearshore Berm	195,000
2000	Nourishment	Stations 206+00 to 238+00	370,000
2002	Nourishment	Stations 184+00 to 218+00	330,000
	Berm	Nearshore Berm	329,000
2003	Berm	Nearshore Berm	356,000
2005	Nourishment	Stations 9+30 to 30+00	49,000
		Stations 182+00 to 213+00	229,000
2006	Berm	Nearshore Berm	340,000
2007	Berm	Nearshore Berm	443,000
2008	Berm	Nearshore Berm	500,000
2009	Nourishment	Stations 208+40 to 255+00	407,000
2010	Nourishment	Stations 7+00 to 34+00	90,000
		Stations 235+00 to 265+00	130,000
2011	Nourishment	Stations 10+00 to 25+00	199,000
		Stations 240+00 to 267+00	368,000
2012	Nourishment	Stations 10+00 to 25+00	140,000
		Stations 235+00 to 260+00	210,000
2014	Berm	Nearshore Berm	305,000



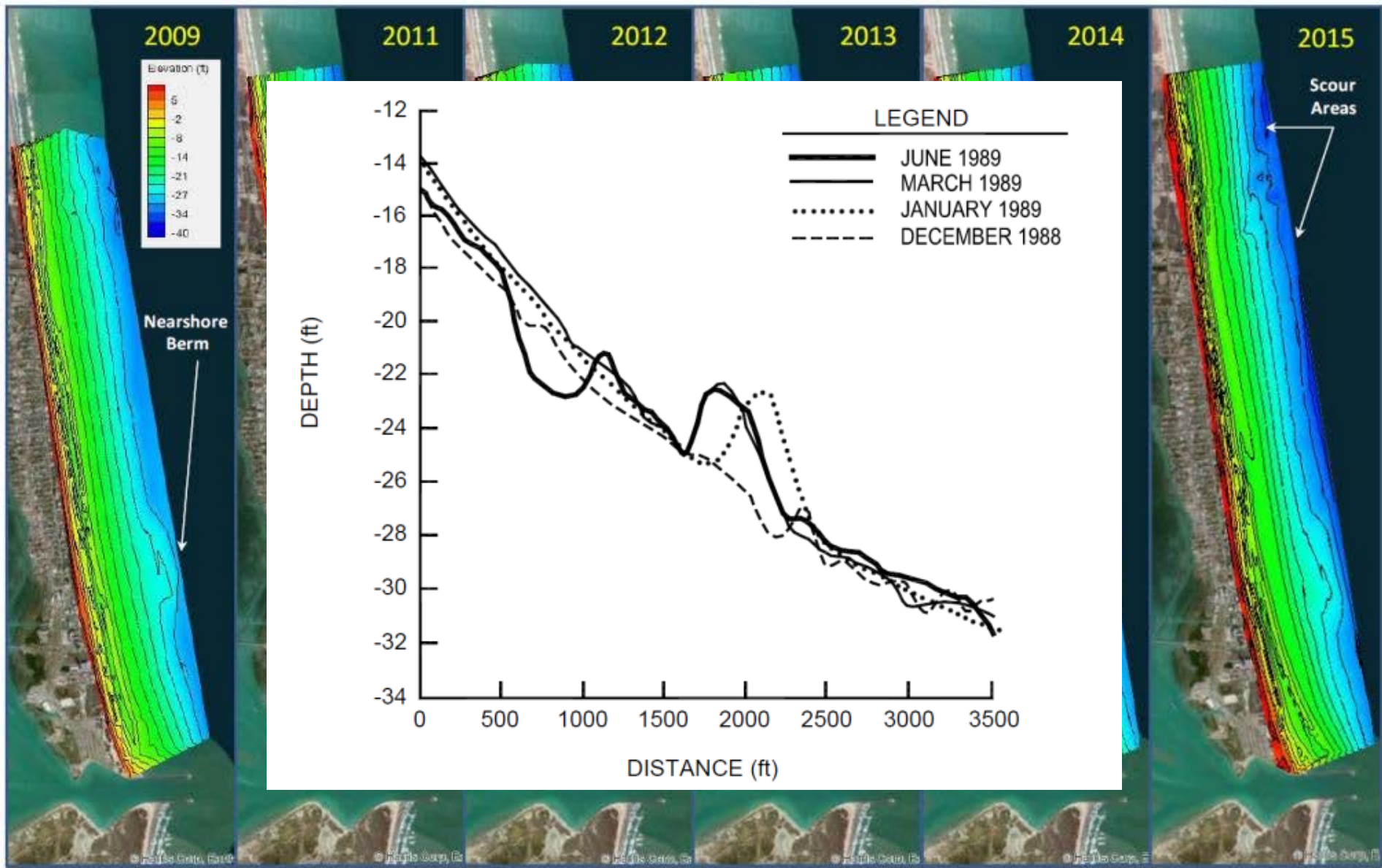


# Nearshore Berm





# Nearshore Berm





# Initiative Status

- Early Stages
- Coastal Texas – Beach Nourishment Alternatives Will Be Considered (Beach-fx)
- SPI for Natural Experiments
- Evaluate/Quantify Effectiveness of Nearshore Placement
  
- More to Come – Stay Tuned



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