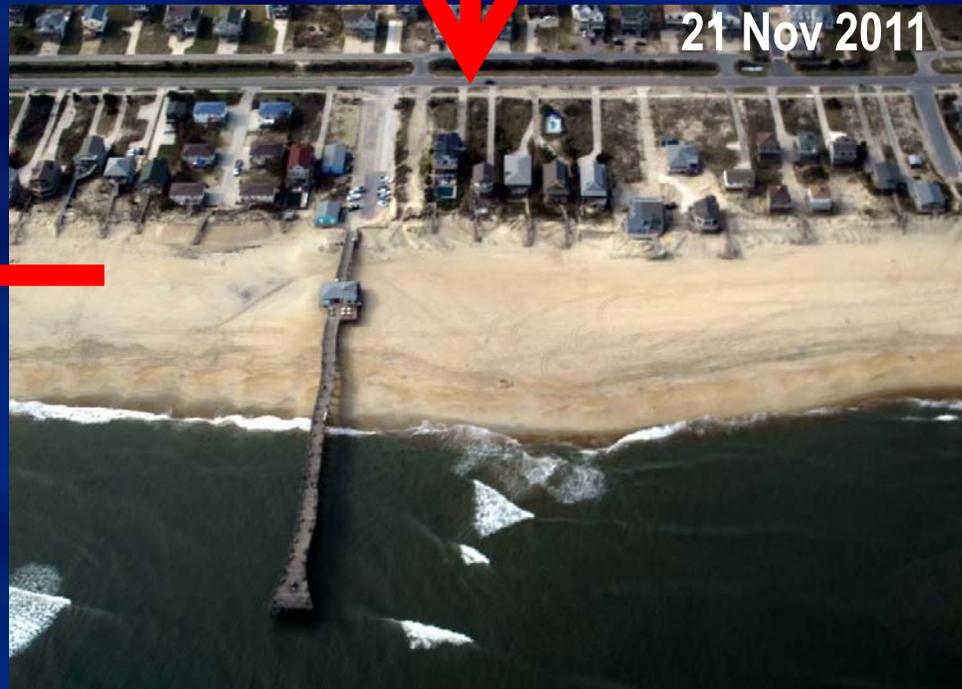
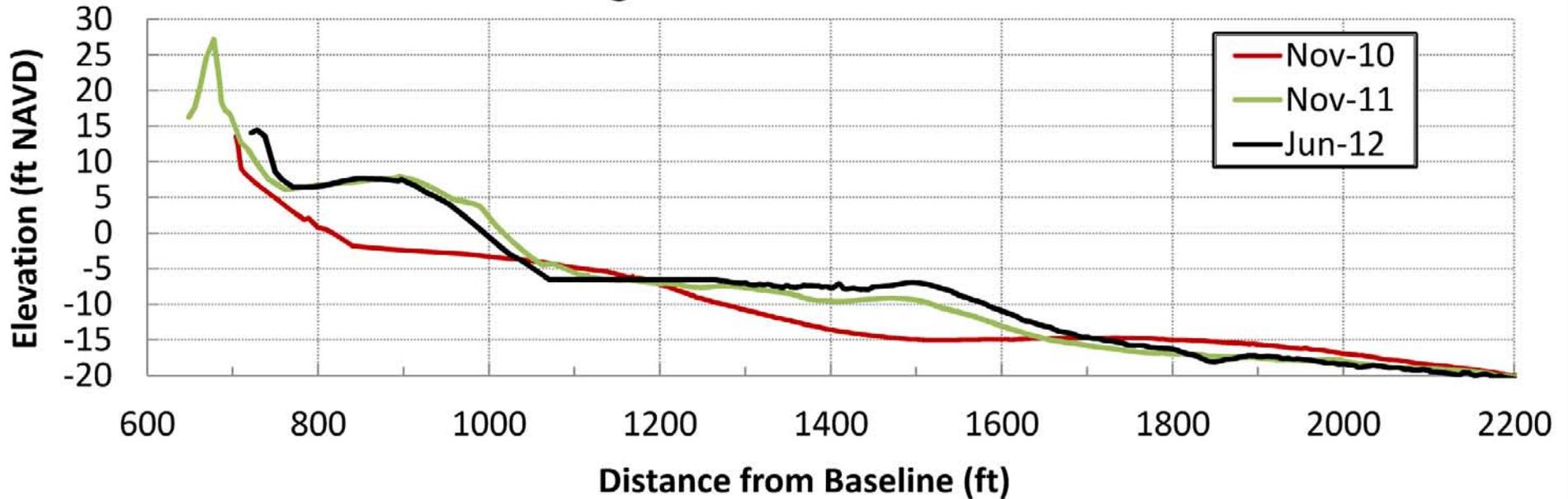


Outer Banks Pier – Reach 2



Nags Head Station 875+00



Unit Volume Changes (CY/FT) Relative To Nov-2010

Date of Survey	Toe of Dune to +6 FT	+6 FT To 0 FT	0 FT To -2 FT	-2 FT To -6 FT	-6 FT To -12 FT	-12 FT To -19 FT	-19 FT To -24 FT
Nov-11	11	47	14	4	30	-2	2
Jun-12	17	42	13	0	53	7	1

Seagull Drive – Reach 3



23 Feb 2011

Dry Beach = -60 ft (landward of houses)



17 Aug 2011

STA 995



12 Jun 2012

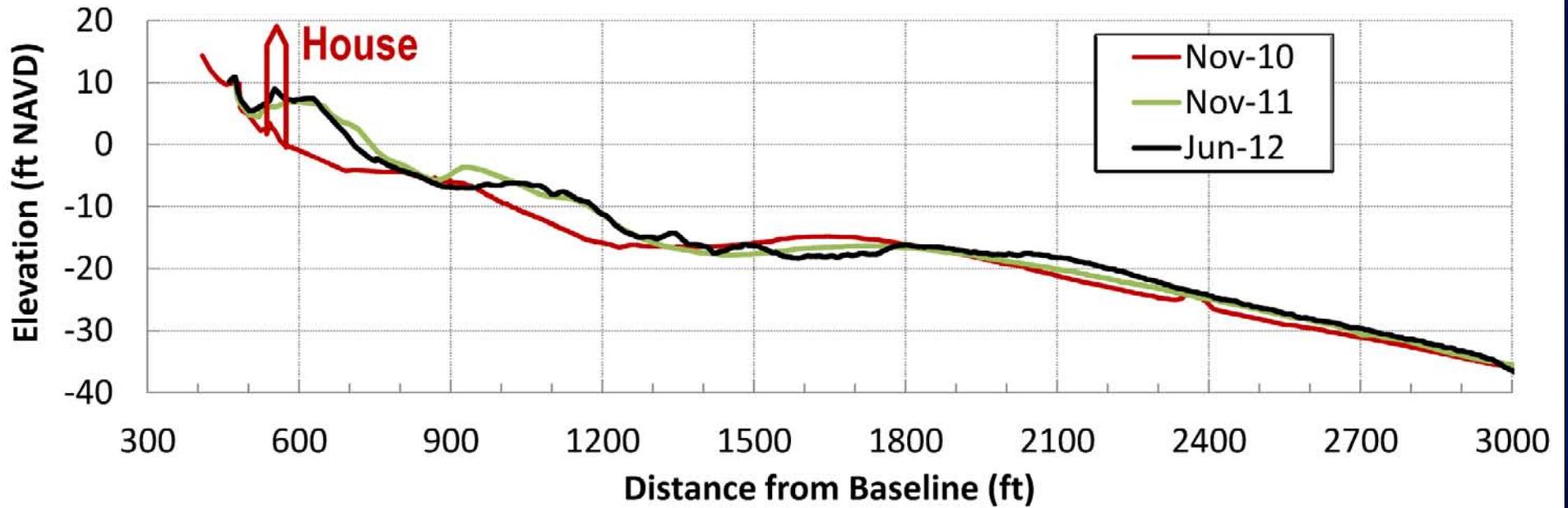
Dry Beach = 180 ft



21 Nov 2011

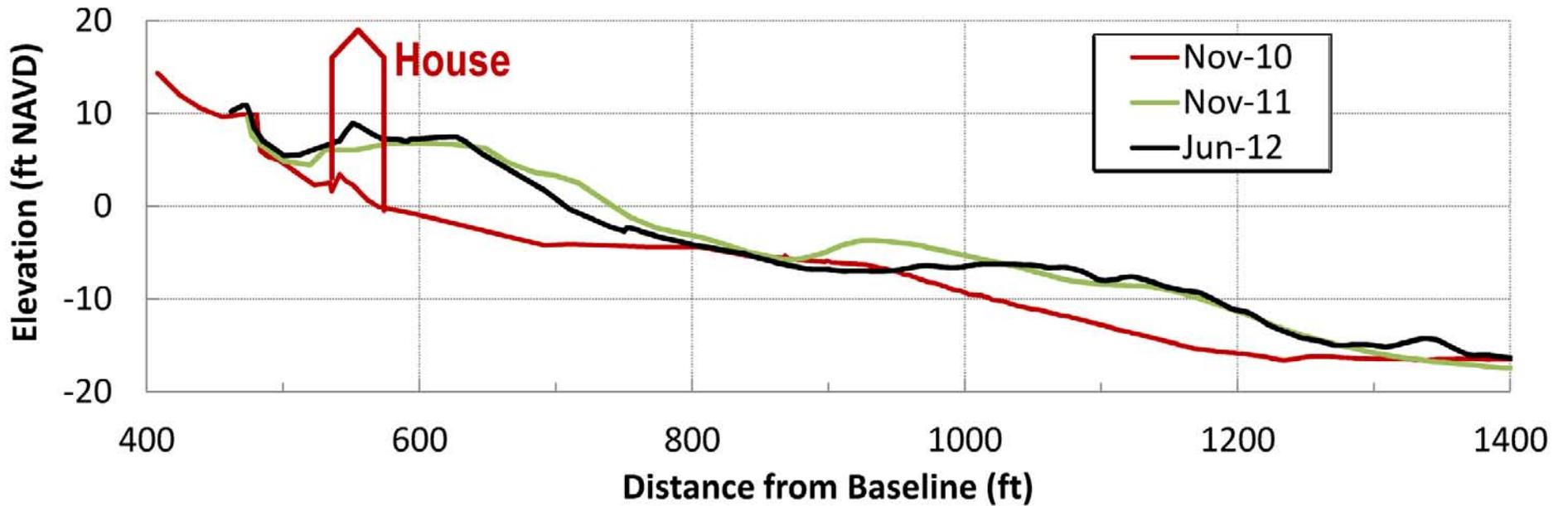
Dry Beach = 190 ft

Nags Head Station 995+00



ZOOM-IN

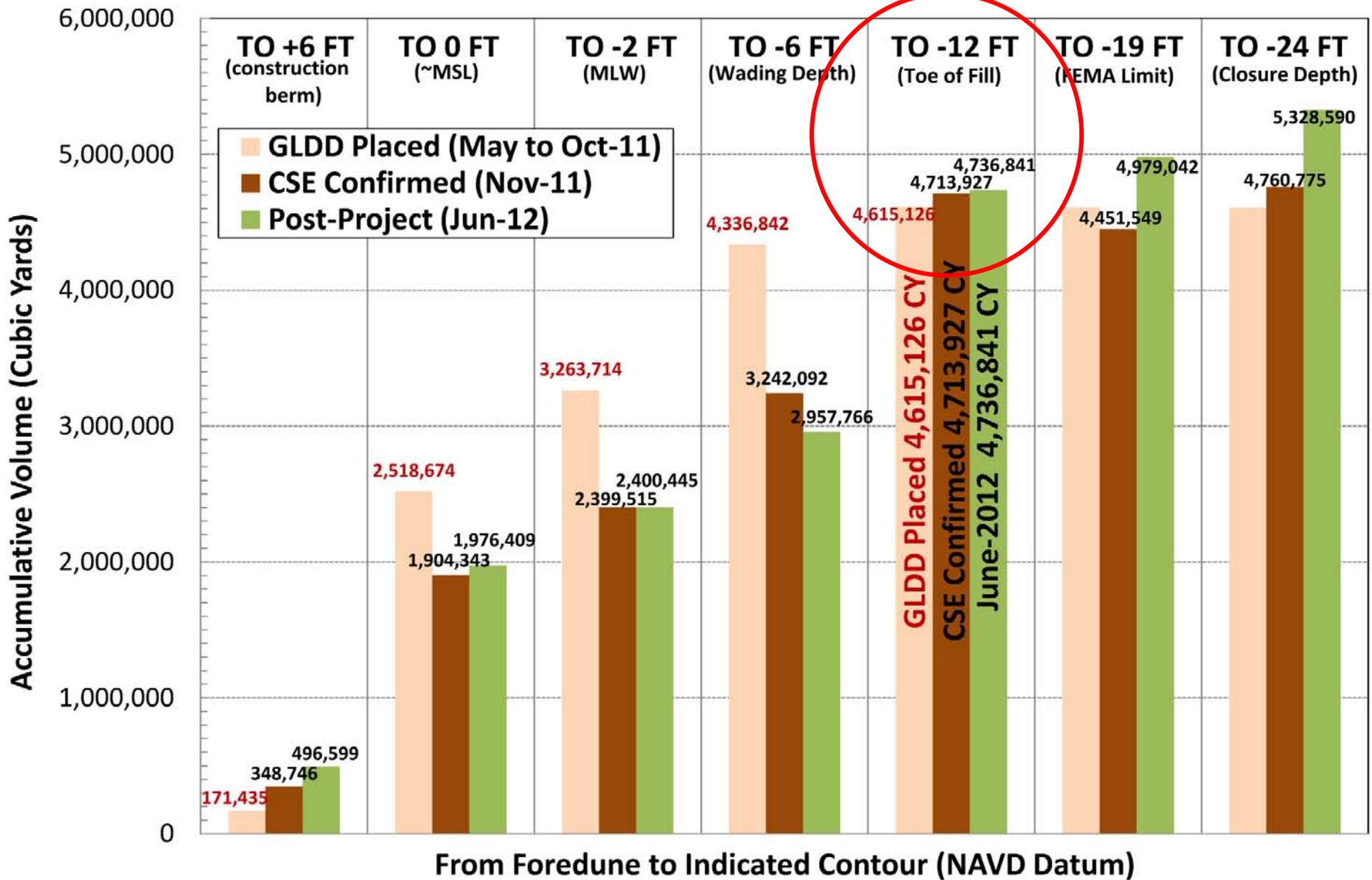
Nags Head Station 995+00



SUMMARY – CSE’s Memo Dated 19 July 2012

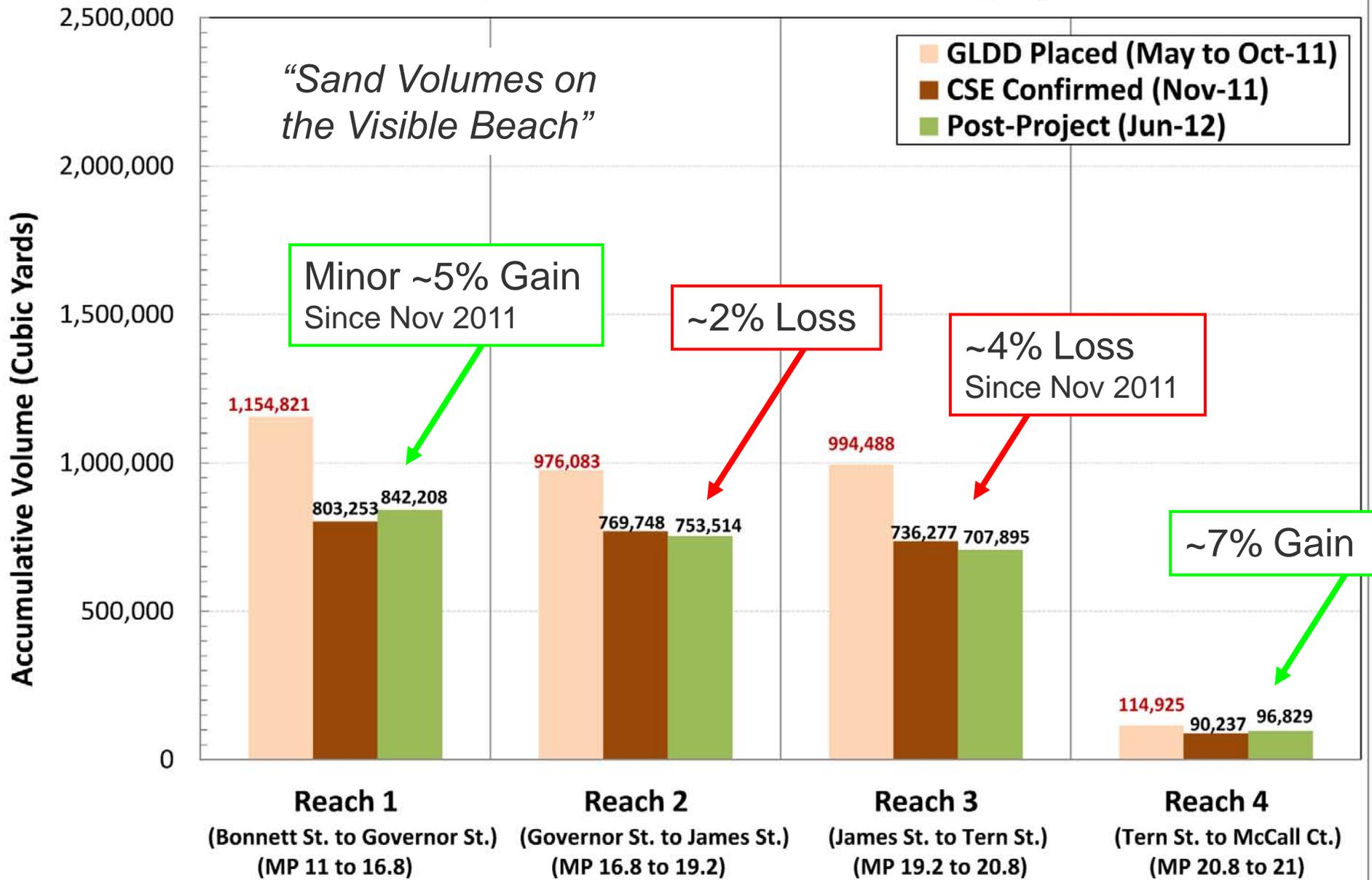
GRAPH A

Nags Head Accumulative Beach Volume Changes (Relative To November 2010 - Pre-Project)



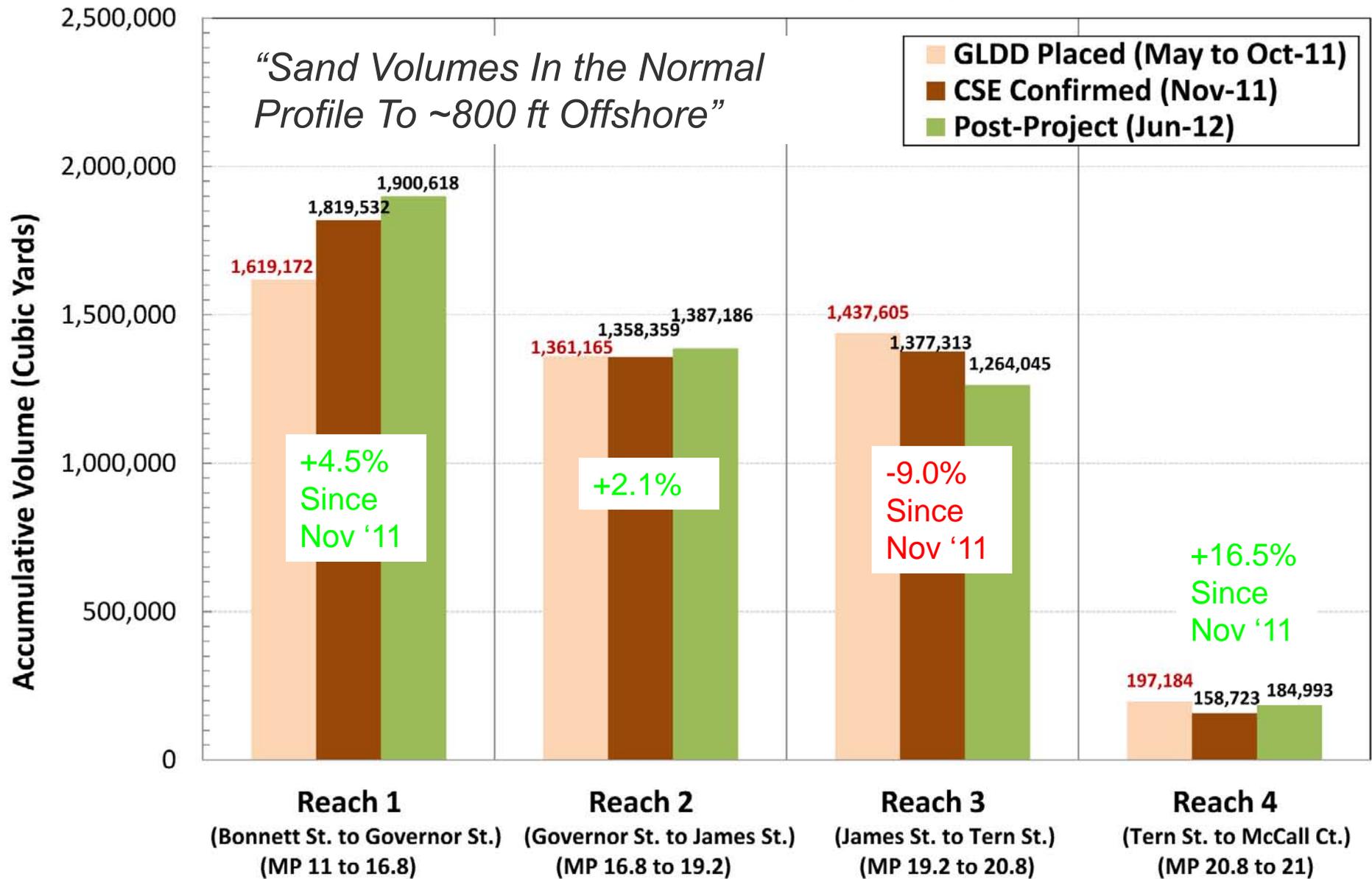
GRAPH B

Nags Head Beach Volume Changes To MLW (-2 FT NAVD) By Reach (Relative To November 2010 - Pre-Project)



GRAPH C

Nags Head Beach Volume Changes To -12 FT NAVD By Reach (Relative To November 2010 - Pre-Project)



GRAPH D

Nags Head Beach Volume Changes To -19 FT NAVD By Reach (Relative To November 2010 - Pre-Project)

