

Manasota Key Beach Restoration A Regional Success Story

2020 FSBPA ANNUAL CONFERENCE

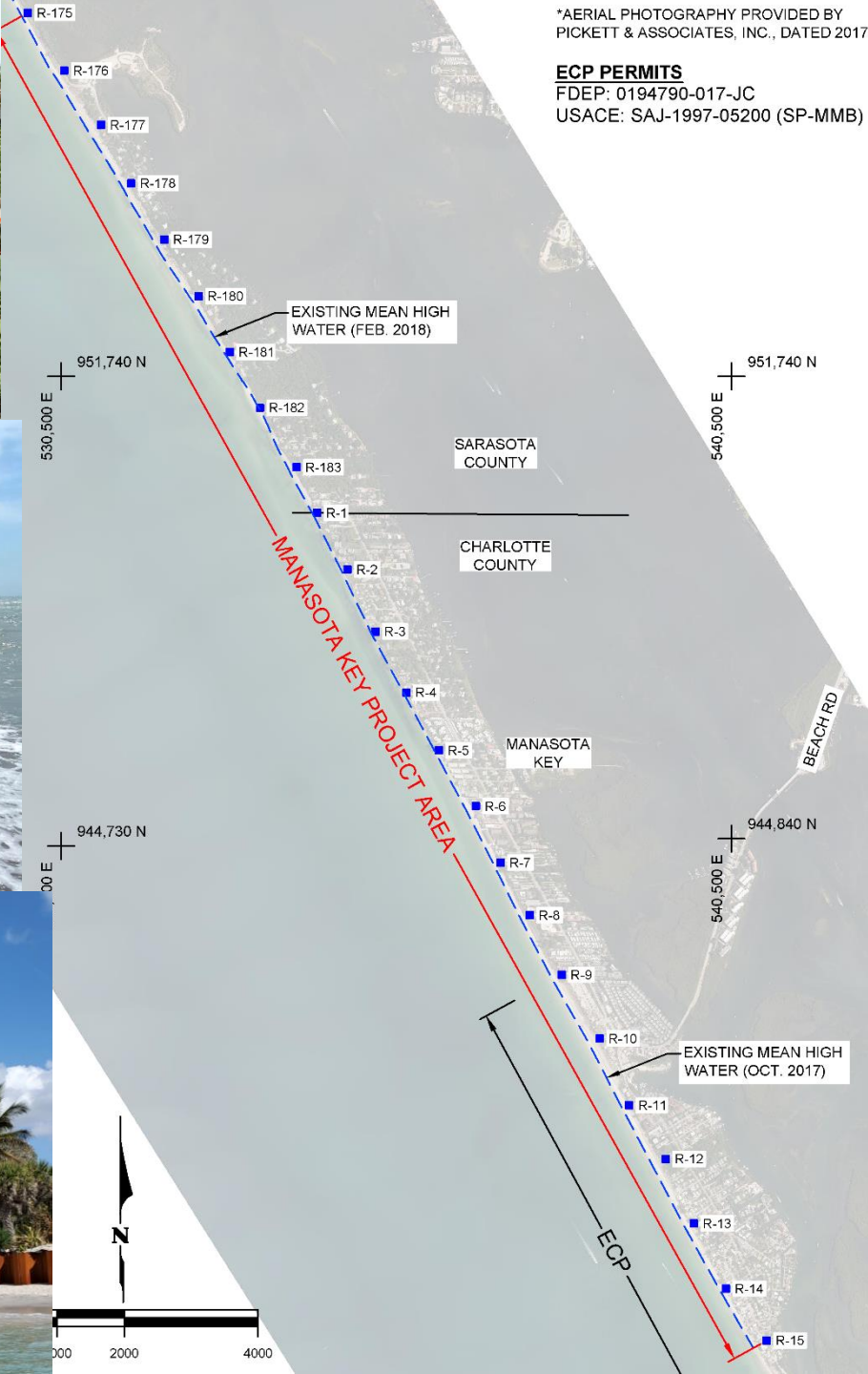
SEPTEMBER 17, 2020



JEOPARDY CATEGORIES

- Project Fun Facts
- Invasion of Normandy Reenactment
- The "GAPPERS" and We Don't Need No Stink'n Easements
- What Do You Mean You're Not Going to Fill the Hoppers the Whole Way?
- Mind if I "Borrow" Some of Your Sand?
- Why Does Everything Important With My Beach Project Always Happen on a Weekend?
- Shells Shells Shells, Where Do They Get Those Fabulous Shells?
- THANKS and Praises



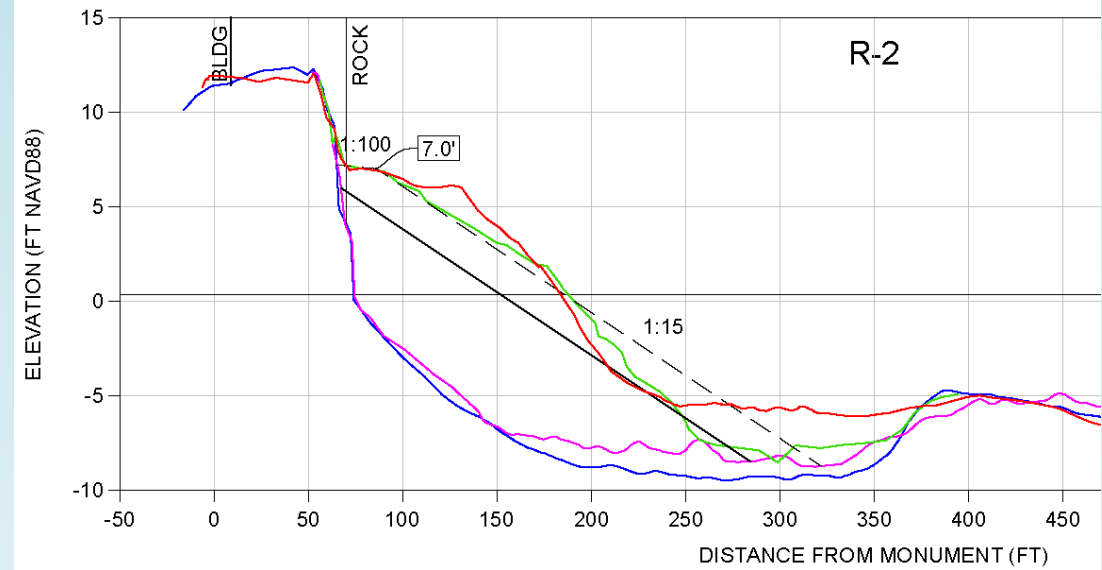
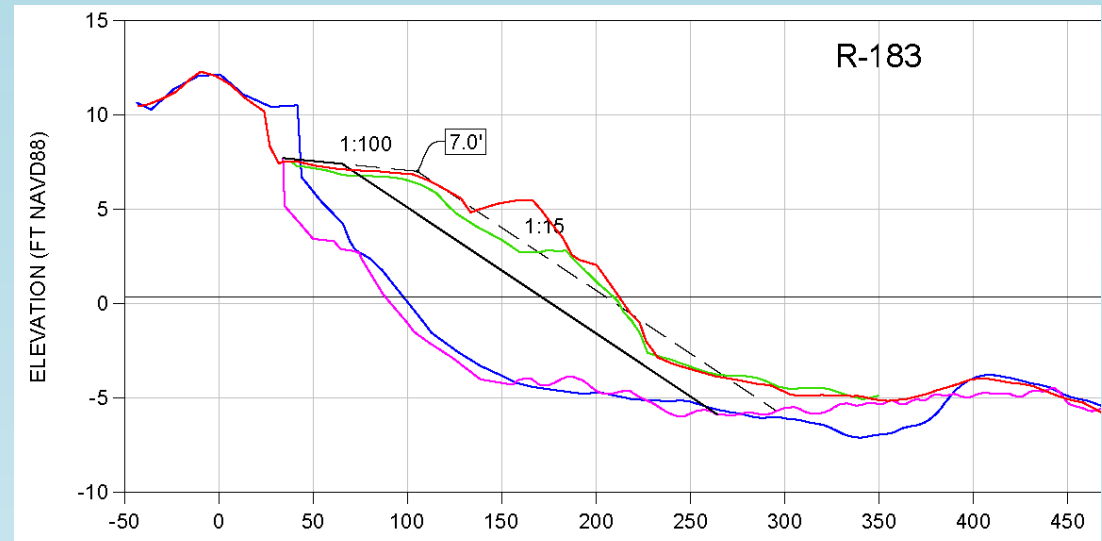
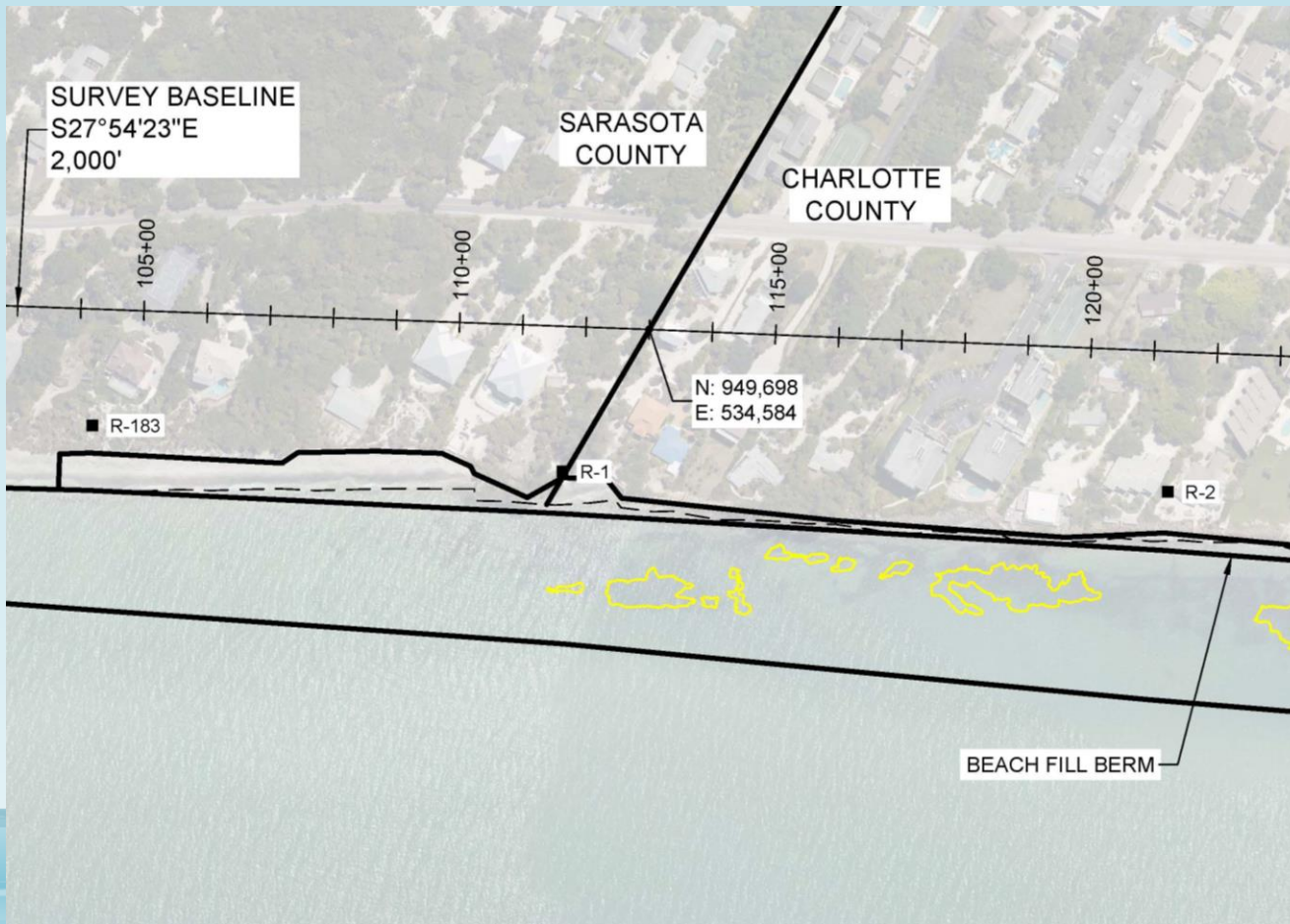


PROJECT AREA

- Sarasota-Charlotte Joint Project (R-175 to R-15.4)
- Overlaps With Charlotte's Existing Erosion Control Project (ECP) from Englewood Beach Park to State Park (R-9 to R-15.4)
- Constructed Concurrent with South Beach Fill Renourishment on Knight-Don Pedro Island

Fun Facts

Design Plan and Sections: 25-Yr Return Storm 50-Ft Design Berm + Advanced Nourishment

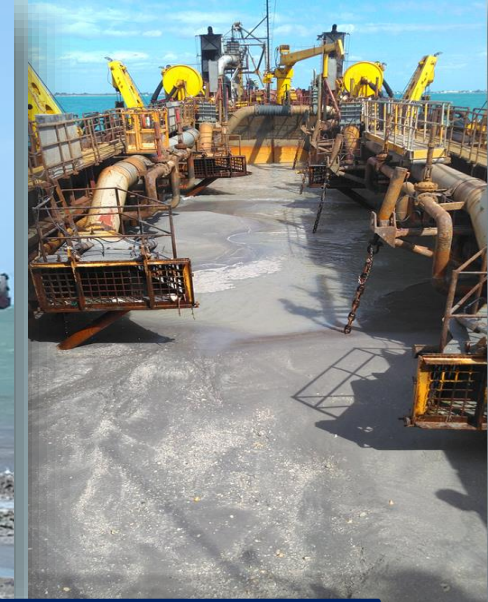


- LEGEND
- DESIGN FILL TEMPLATE
 - - - ADVANCED NOURISHMENT
 - JUNE 2019
 - FEB 10, 2020
 - MARCH 10, 2020
 - JUNE 2020

Fun Facts

“Fun Facts”

- Length = 3.82 Miles
- Volume Placed = 880,280 CY
- Borrow Area ~ 4.2 NM Offshore
- Contractor: Great Lakes Dredge & Dock
- Dredge Details: Padre Island, Dodge Island
- Engineer’s Opinion of Cost: \$30,550,320
- Bid Range: \$30,451,850 - \$32,505,000
- Estimated “Regional” Savings ~ \$\$8 Mil
- Avg Production Rate ~ 18,340 CY/Day
- Mitigation: 3.9 Acre Artificial Reef (\$\$7 Mil)
- State Stats: Ranked 3rd(Vol), 4th(Length)



First Hopper Load from Borrow Area to Manasota Key



Cost Share ~ \$12.65 Mil (35%)

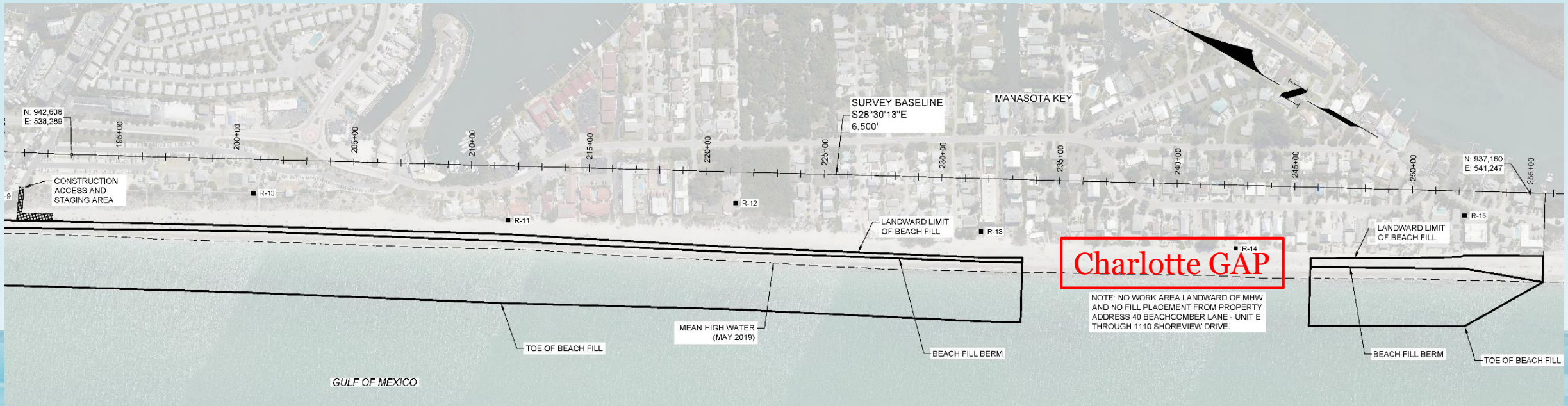
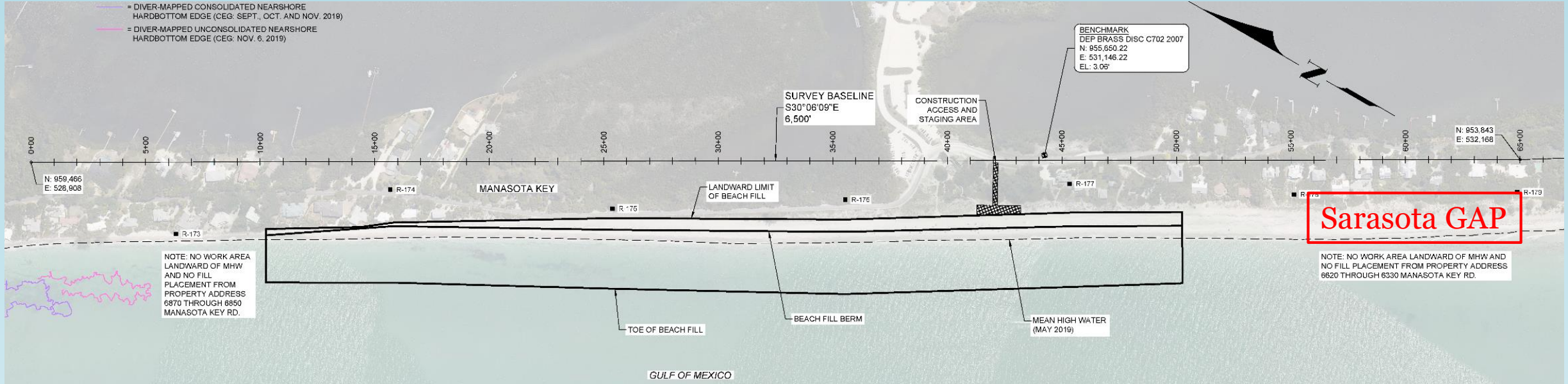
Invasion of Normandy Reenactment





Courtesy of GLDD

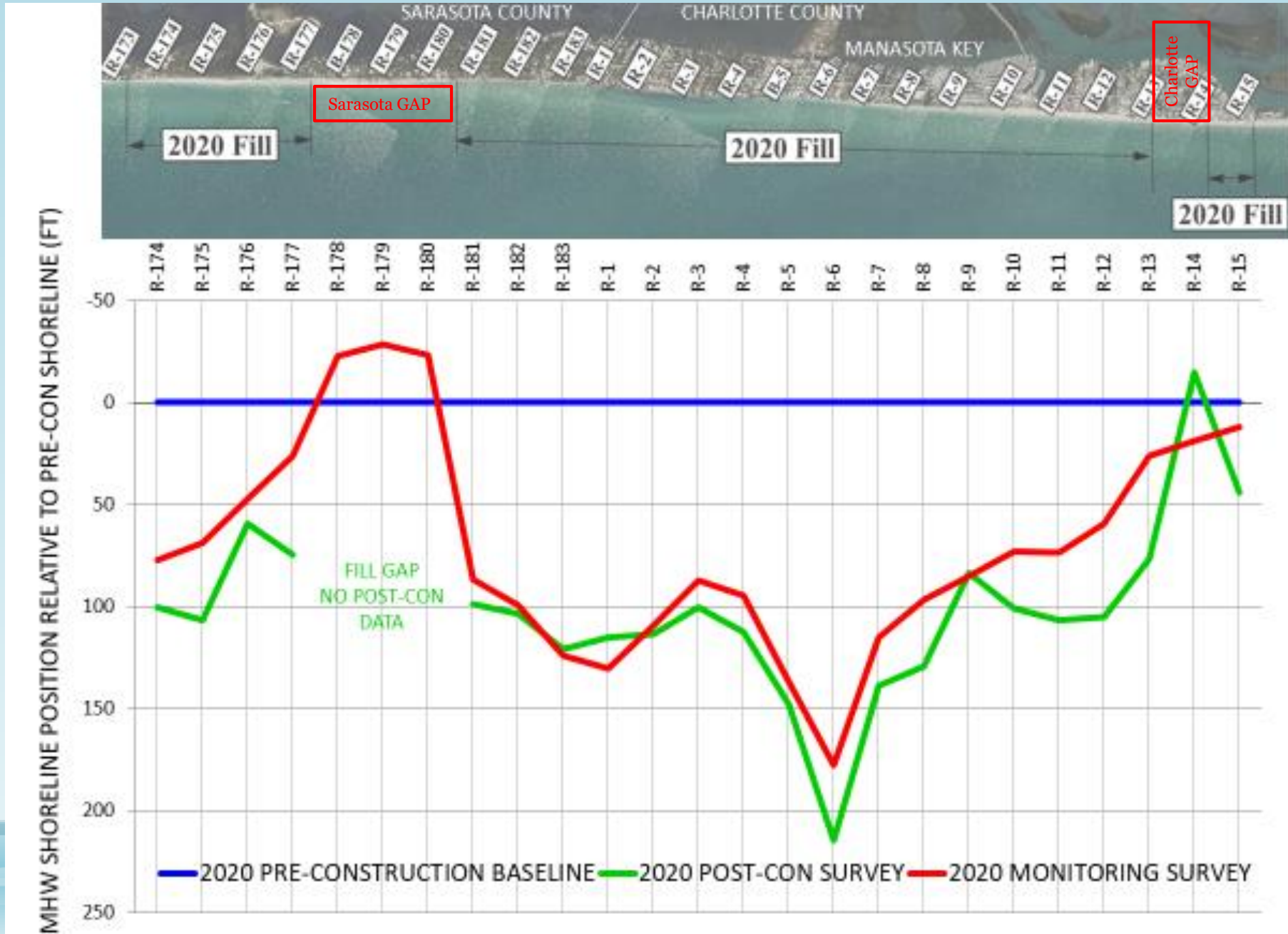
The "GAPPERS"



We Don't Need No Stink'n Easements

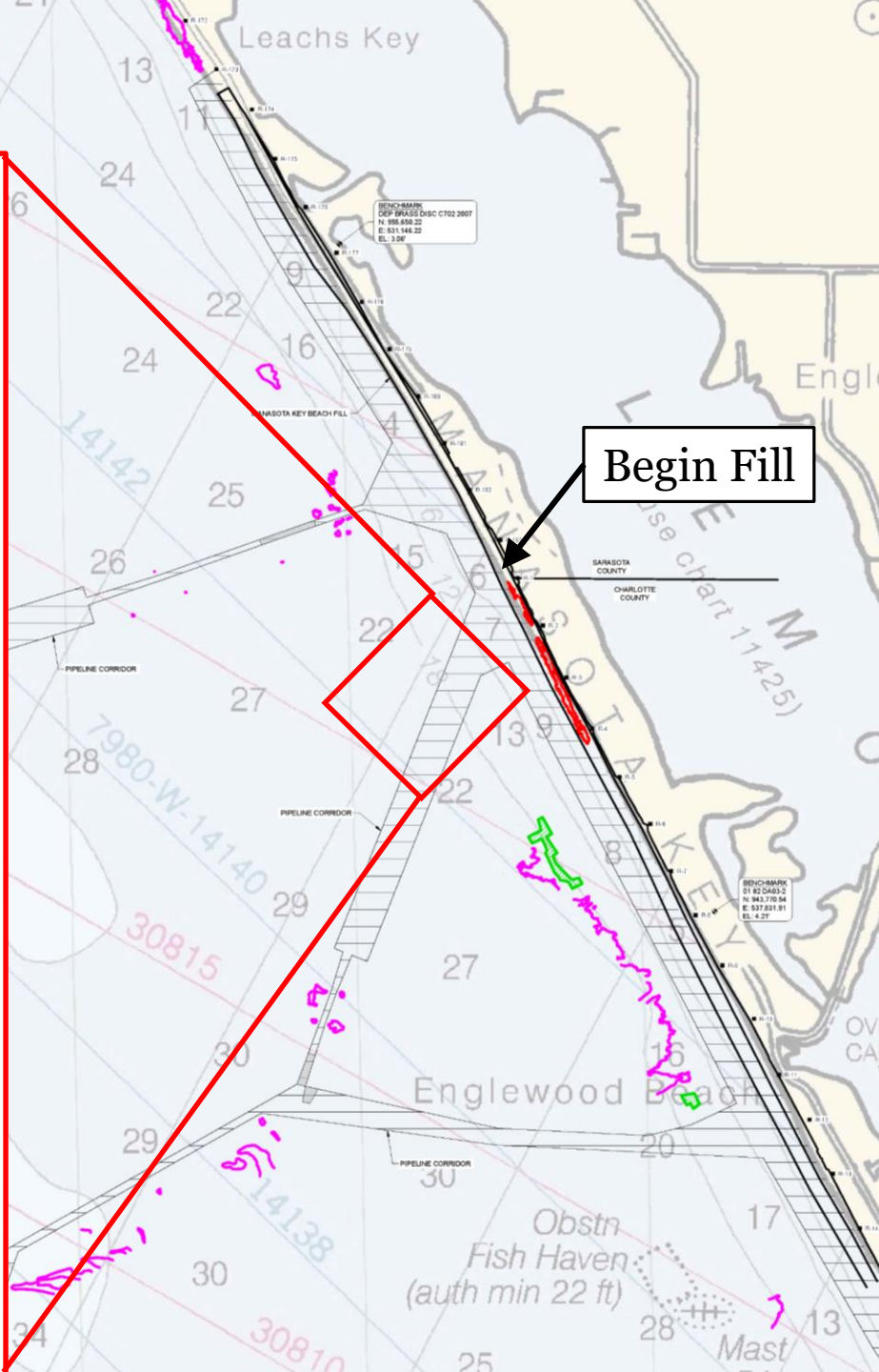
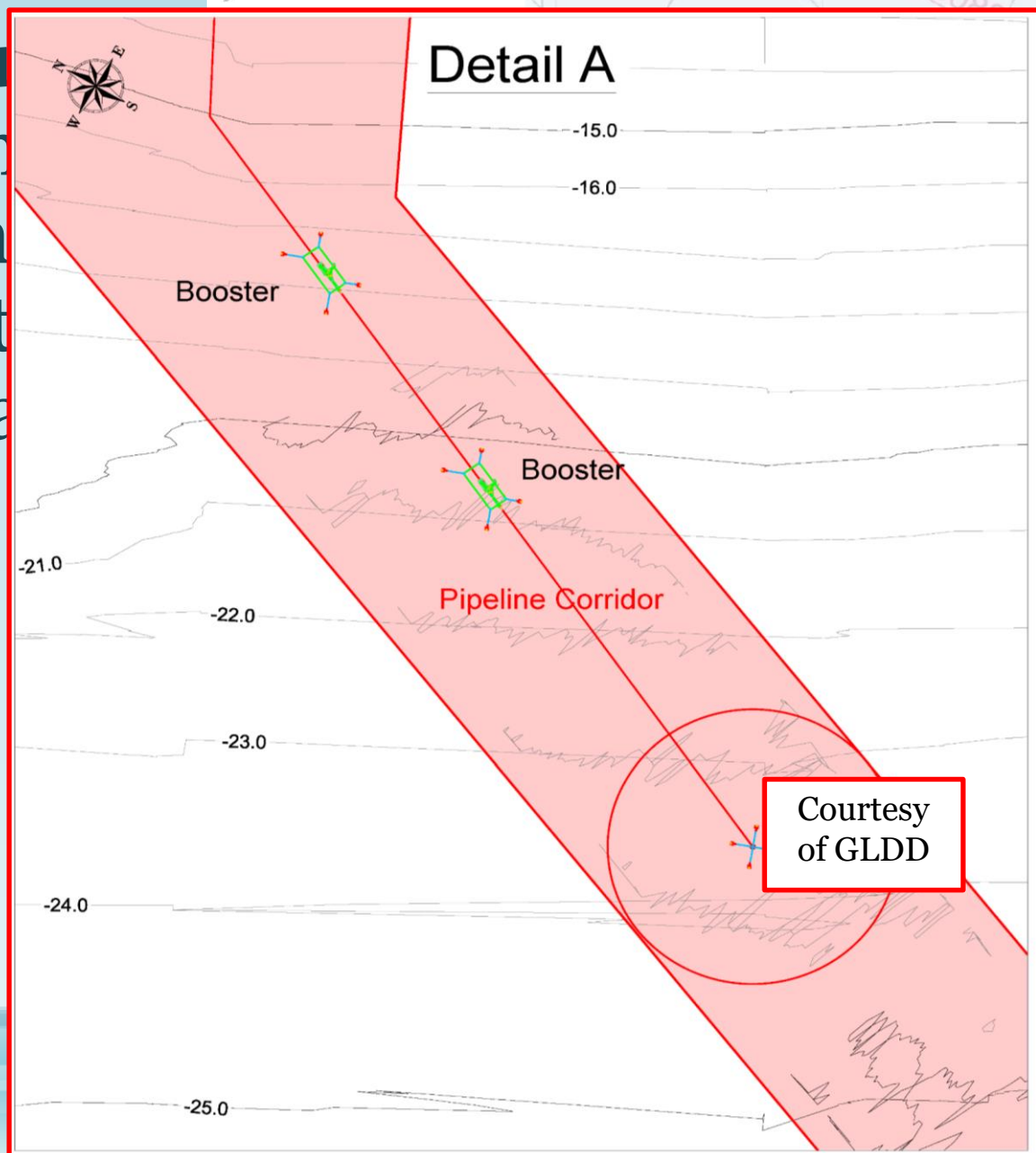


The "GAPPERS"



What Do You
Mean You
Not Going
to Fill the
Hoppers to
Whole Way

- LEGEND
- EXISTING HARDBOTTOM TO BE PROTECTED
 - EXISTING HARDBOTTOM TO BE IMPACTED
 - PROPOSED MITIGATION REEF
 - EXISTING DAY BEACONS
 - EXISTING CAN/MARK
 - EXISTING LIGHTED AID MARKER



Why Does Everything Important With My Beach Project Always Happen on a Weekend?

GAP Crossing

Sunday Morning @ 9:00 a.m.



Why Does Everything Important With My Beach Project Always Happen on a Weekend?

Mind if I “Borrow” Some of Your Sand?



Friday Evening
@ 5:30 p.m.



Why Does Everything Important With My Beach Project Always Happen on a Weekend?

Last Hopper Load ~ Substantial Completion

Sunday Afternoon @ 12:30 p.m.



Shells Shells Shells, Where Do They Get Those Fabulous Shells?



Charlotte County R-9



February 2020
Looking North



THANKS TO
Charlotte and
Sarasota BCC's

Charlotte County R-9



May 2020
Looking North



Charlotte County R-7



February 2020
Looking North



THANKS AND PRAISE

Charlotte and Sarasota Staff

Charlotte County R-7



May 2020
Looking North



Charlotte County R-6.5



February 2020

Looking North



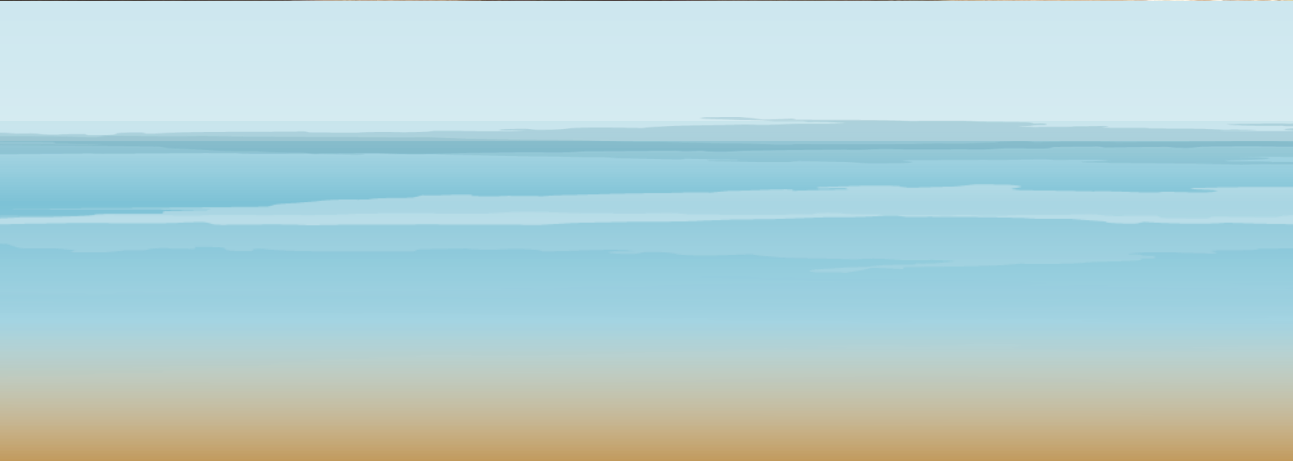
THANKS AND PRAISE Manasota Key Residents

Charlotte County R-6.5



May 2020

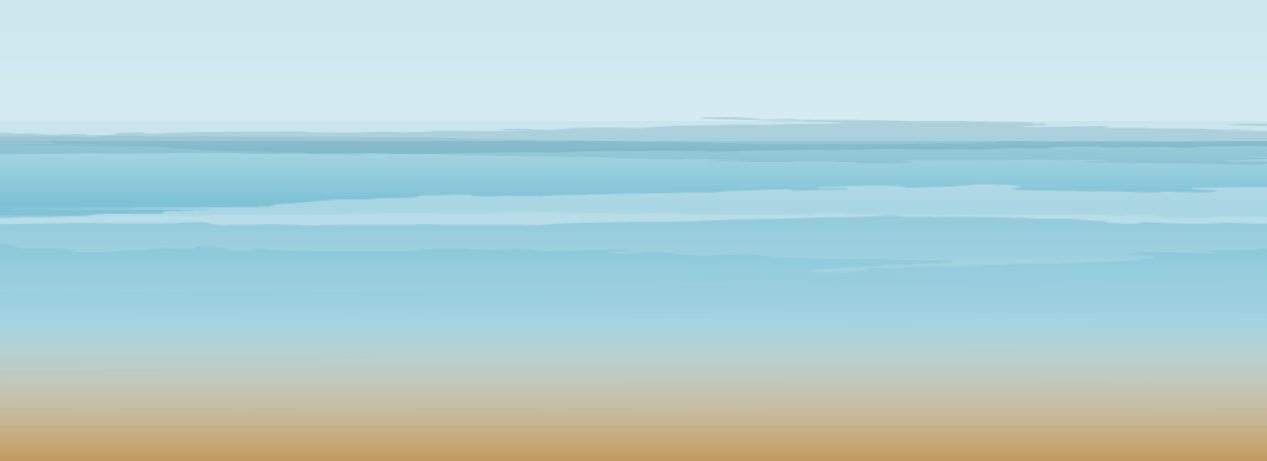
Looking North



Charlotte County R-6



February 2020
Looking North



THANKS TO Advisory Committees

Charlotte County R-6

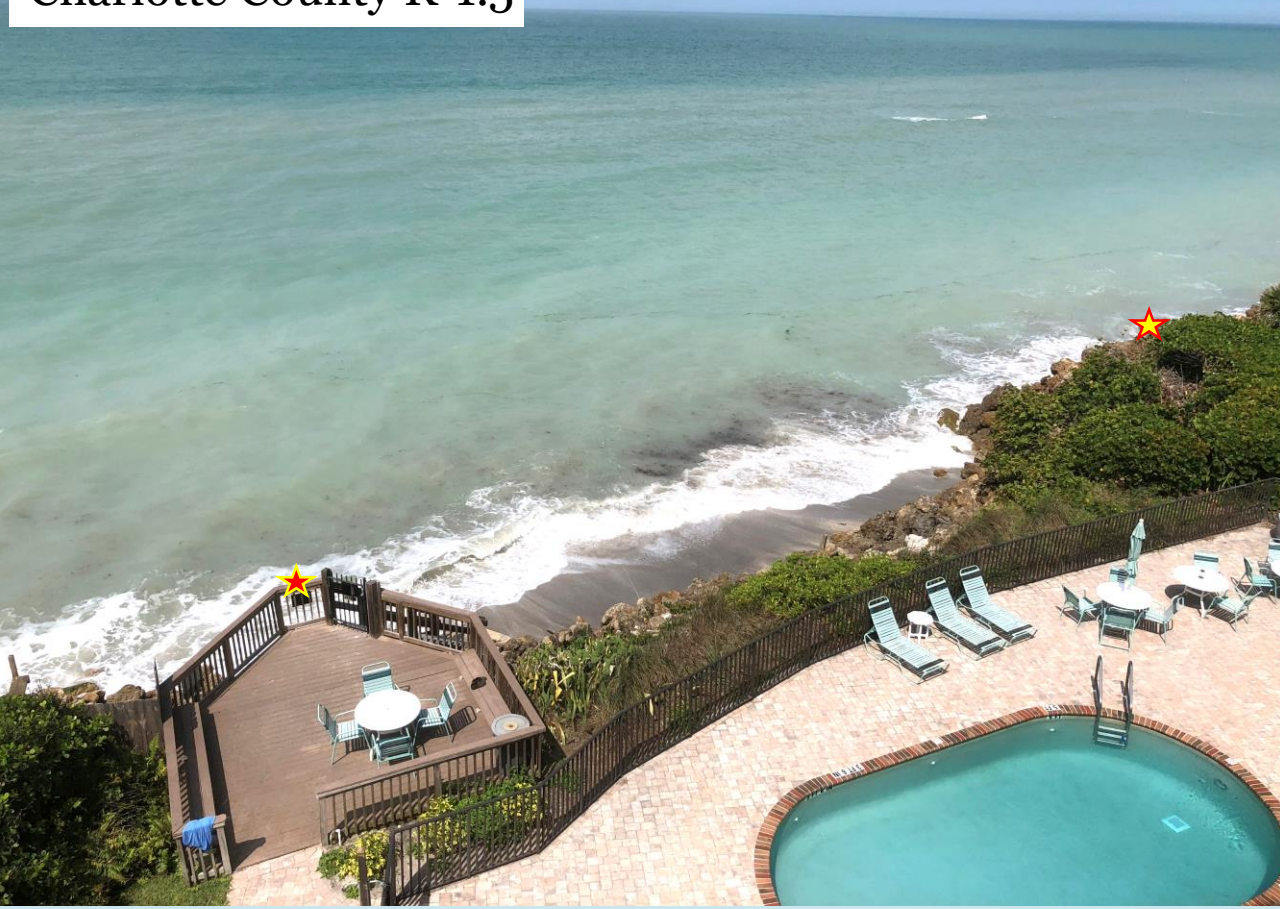


May 2020
Looking North



Charlotte County R-1.5

February 2020



THANKS AND PRAISE Ambassadors & Stakeholders

Charlotte County R-1.5

March 2020



Photos Courtesy of Damian Ochab

Sarasota County R-175



February 2020
Looking North



THANKS TO
FDEP & FFWCC

Sarasota County R-175



May 2020
Looking North



Sarasota County R-174



February 2020
Looking South



THANKS TO
USACE, USFWS, & NMFS

Sarasota County R-174



May 2020
Looking South



Sarasota County R-174



February 2020
Looking North



THANKS AND PRAISE
Our Consulting Team:
CEG, OSI, RCG, AVS,
Sono & PCI

Sarasota County R-174



May 2020
Looking North



Sarasota County R-173.5



February 2020
Looking South



THANKS AND PRAISE
Cast & Crew of CEC

Sarasota County R-173.5



May 2020
Looking South



SPECIAL THANKS TO FSBPA!!



Courtesy of GLDD

