

# Engineering Department

## Water Quality Discussion and Quarterly Project Update

City Engineer  
Kathleen Weeden  
September 2019



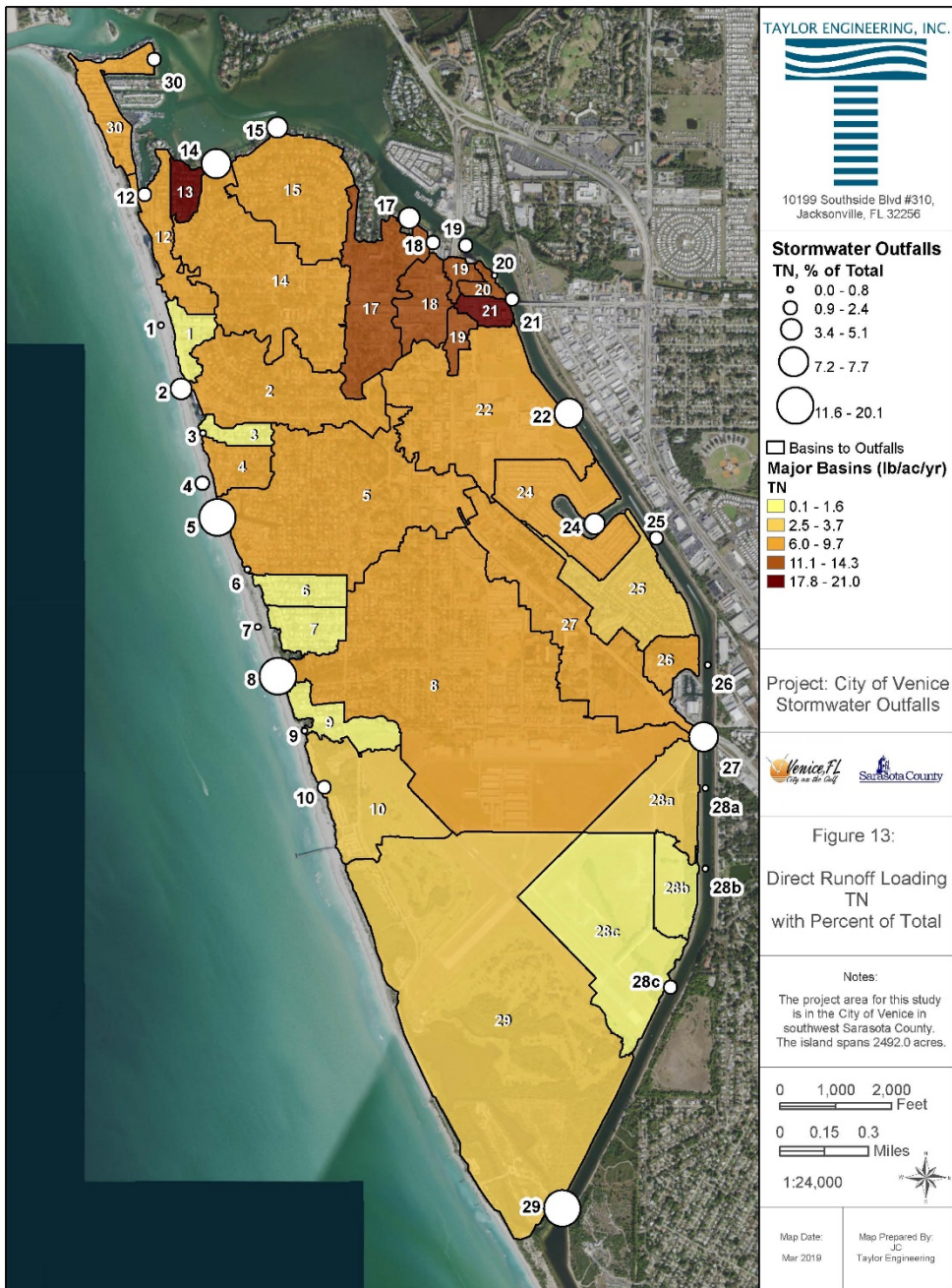
# Water Quality

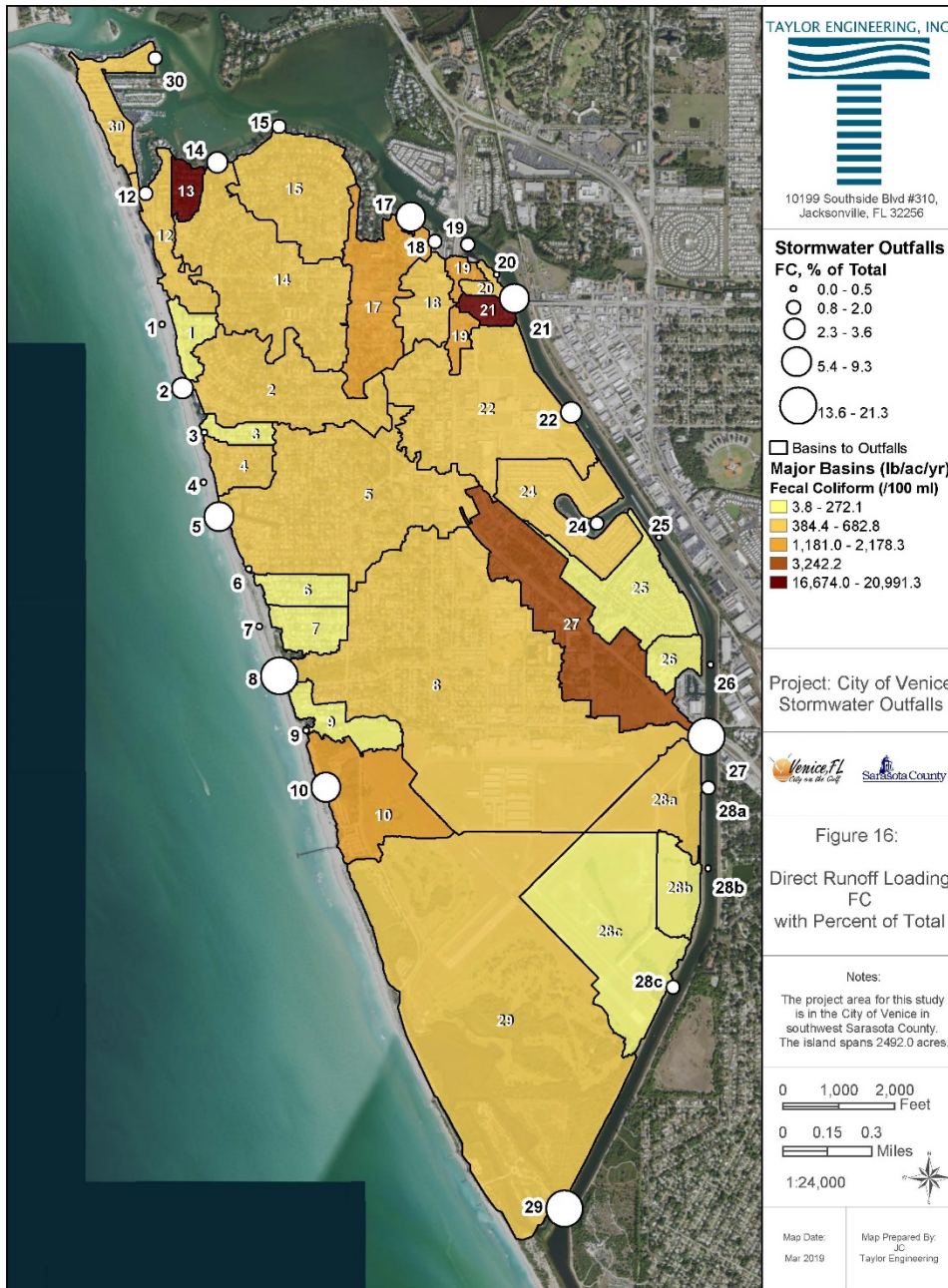
## ► Stormwater Outfall Testing -

- Additional Sampling Authorized - underway weather dependent
- Updated desk top pollutant modelling to include all Island Outfalls (39 total)
- State Legislature Grant being drafted by FDEP \$100,000
- SWFWMD Grant being drafted for \$75,000
- Upon receipt of grant agreements will present to City Council to execute and initiate next phase including flow meters at all outfalls, automatic samplers at top 5 outfalls and prepare prioritization plan.
- Funding Options: In process of submitting applications for next years funding programs to upgrade Outfall 1 (Venice Beach) to redirect flow and upgrade swale system.

## ► Stormwater Rate Study - Data analysis initiated.

- Comprehensive system analysis underway
- Stakeholder's Group being compiled once we complete need assessment







# Projects Recently Completed:

- ▶ Downtown Construction Project - Final reimbursement request submitted to agency.
  - ▶ Total Costs (including Nokomis Drainage)
  - ▶ Construction Contract - \$9,203,128.20
  - ▶ Final Construct Cost - \$8,826,860.00
  - Under Budget \$ 376,268.20
- ▶ Venice Municipal Fishing Pier
  - ▶ Construction Contract - \$738,769.27
  - ▶ Estimated Final Cost \$675,995.56
  - Under Budget \$ 62,773.71
- ▶ San Marco Emergency Repair
- ▶ Stormwater Upgrades @ Tampa/Harbor
- ▶ LS 47 - Stormwater Portions

# Project Under Design:

- ▶ Beach Renourishment - Physical Monitoring Report underway.
- ▶ Regional Sand Survey - Participating in state-wide program.
- ▶ City Hall/Fire Station #1 Generator - Grant Agreement executed. Design underway.
- ▶ Tarpon Center/Park Blvd. Corridor system upgrades and water quality improvements Work Assignment awarded.
- ▶ Outfall 1 & 2 (Venice Beach/Alhambra) - Initial Conceptual Design - Work assignment to be awarded after Grant Agreement.
- ▶ Lord - Higel House Parking Area - Under Design for upgrades to pave parking lot.

# Projects Preparing for Construction:

- ▶ **Phase II Paving - Road Bond -**

Bids ready for award Oct. 2019.

- ▶ Triple Diamond including Morse Ct.,
- ▶ Technology Way/Precision Drive
- ▶ Bird Bay South
- ▶ San Marco
- ▶ Hatchett Creek and Plumosa
- ▶ Pinebrook Way Area
- ▶ Seaboard Area Streets (Warfield, Grove, Spur & Alleys)

# Project Preparing for Construction:

- ▶ **Capri Isles Bridge** - 100% Design Plans approved by FDOT. Preparing to advertise for construction services and CEI services (\$1 million FDOT funding/remaining Road Bond)
- ▶ **Phase III Streets** - any remaining streets (2020)
  - Live Oak being paved with Live Oak Drainage Project.
  - ▶ Sister streets included in Utilities Bid
  - ▶ Gulf Coast Blvd. to be included in Utilities Bid - repairs underway.
- ▶ **Inlet Dredging by ACOE** - deposit sand near North Jetty starting early November



# Other Work Efforts:

- ▶ **ADA Transition Plan Update** - GIS update of improvements completed to date with various projects including facility upgrades.
- ▶ **GIS Updates/TV Testing** - field investigations and GIS database upgrades/infrastructure evaluation
- ▶ **MPO - Technical Advisory Committee**
  - ▶ **Priority Project/Funding Options for Transportation Projects**
    - ▶ October - City Council Priority for MPO & Impact Fee Funding (Consistent with CIS adopted in May 2019)
    - ▶ December - Project Submittal to MPO for Work Program
  - ▶ Long Range Transportation Plan
  - ▶ Congestion Management Plan
- ▶ **Stormwater Management Plan Update** - evaluation of all facilities, establishing a short and long term comprehensive maintenance/replacement plan.
- ▶ **Private Development Reviews/Turnovers/Plats, etc.**

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Questions?