



# 2021 ANNUAL REPORT

## ENVIRONMENT OF CHAMPIONS



Janet L. Dougherty  
Executive Director







**MISSION**

To protect our natural resources, environment, and quality of life in Hillsborough County.

**VISION**

Environmental excellence in a changing world.

**VALUES**

Environmental stewardship, integrity, transparency, and accountability.



**Janet,**  
**Executive Director/Head Coach**



# OUR CORE FUNCTIONS

Air & Water  
Quality  
Monitoring

Pollution  
Source  
Permitting

Citizen  
Support &  
Outreach

Compliance  
Assistance

Enforcement  
When Needed

"Hard days are the best,  
because that's when  
champions are made."

*Gabby Douglas, Olympic Champion*

# EPC DELEGATED PROGRAMS



- Petroleum Cleanup Program (FDEP - 1987)
- Storage Tanks Compliance Program (FDEP - 1989)
- Minor Source Industrial Air Permits (FDEP - 1993)
- Asbestos Notification & Inspection Program (FDEP - 1993)
- Title V Major Source Industrial Air Pollution Permits (FDEP - 1995)
- Domestic WW Facility Permits (FDEP - 1995)
- Domestic WW Collection/Transmission Permits (FDEP - 1995)
- Industrial Wastewater Facility Permits (FDEP - 2000)
- Brownfields Site Development (FDEP - 2004)
- Mangrove Trimming Permits (FDEP - 2006)
- Professional Mangrove Trimmer Authorization (FDEP - 2006)
- Port Tampa Bay Minor Work Permits (TPA - 2009)
- Single Family Home & Coastal Activities - ERP (FDEP - 2011)
- Non-Agricultural Land Open Burning (FDACS - 2012)
- Army Corp Minor Work Authorizations (ACOE - 2013)



# WETLANDS DIVISION

Provides local standards for environmental protection, maintenance, and utilization of wetlands and other surface waters.



Andy,  
Division Director/Coach

## PROGRAMS

- Delegations
- Permits and Exemptions
- Compliance Assurance

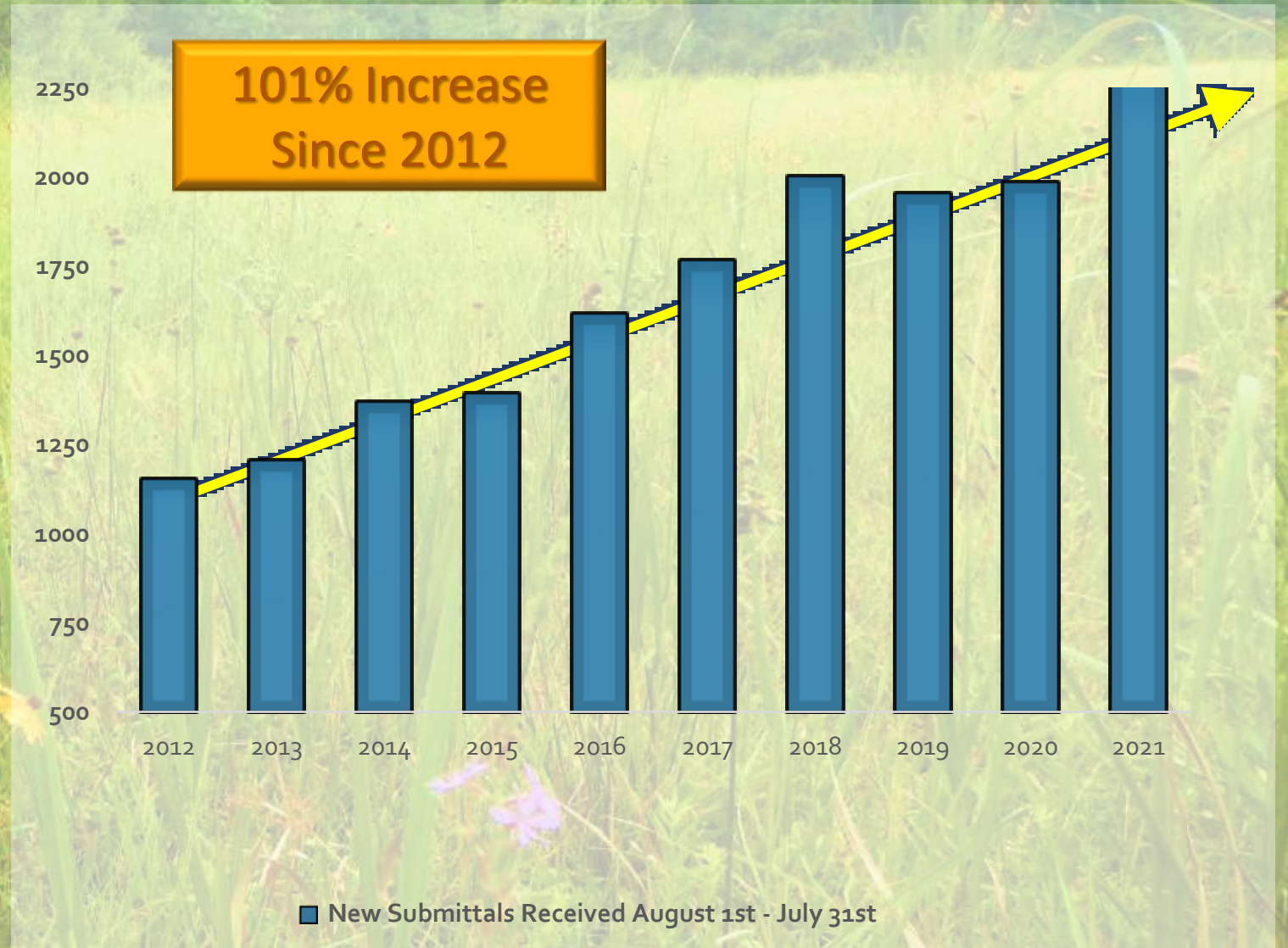




# WETLAND PERMITS AND REVIEWS

## 2021 Permits Issued & Reviews Completed

Review/ Permit Type	Number Issued
Development Services	850
Delineations	330
Mangroves	98
Miscellaneous	361
Mitigation	32
Port Authority	624
<b>Total</b>	<b>2295</b>



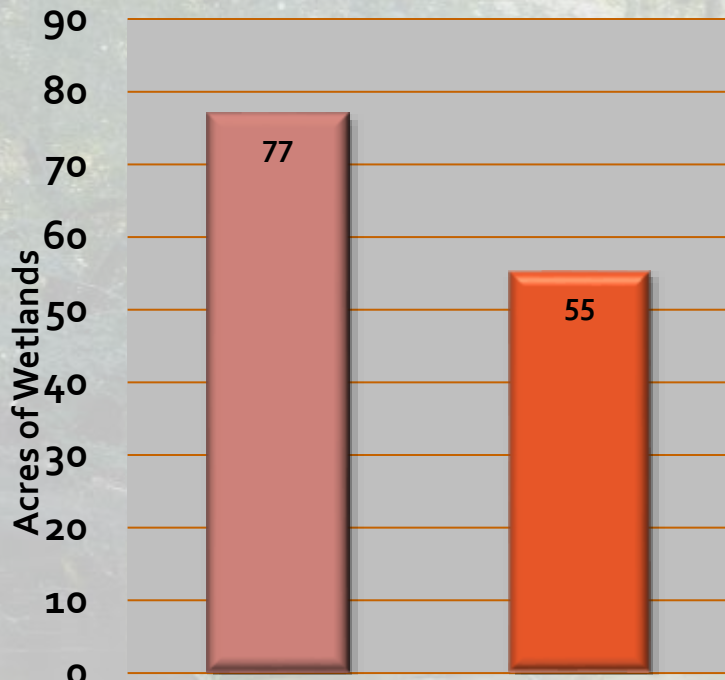


# APPROVED WETLAND IMPACTS

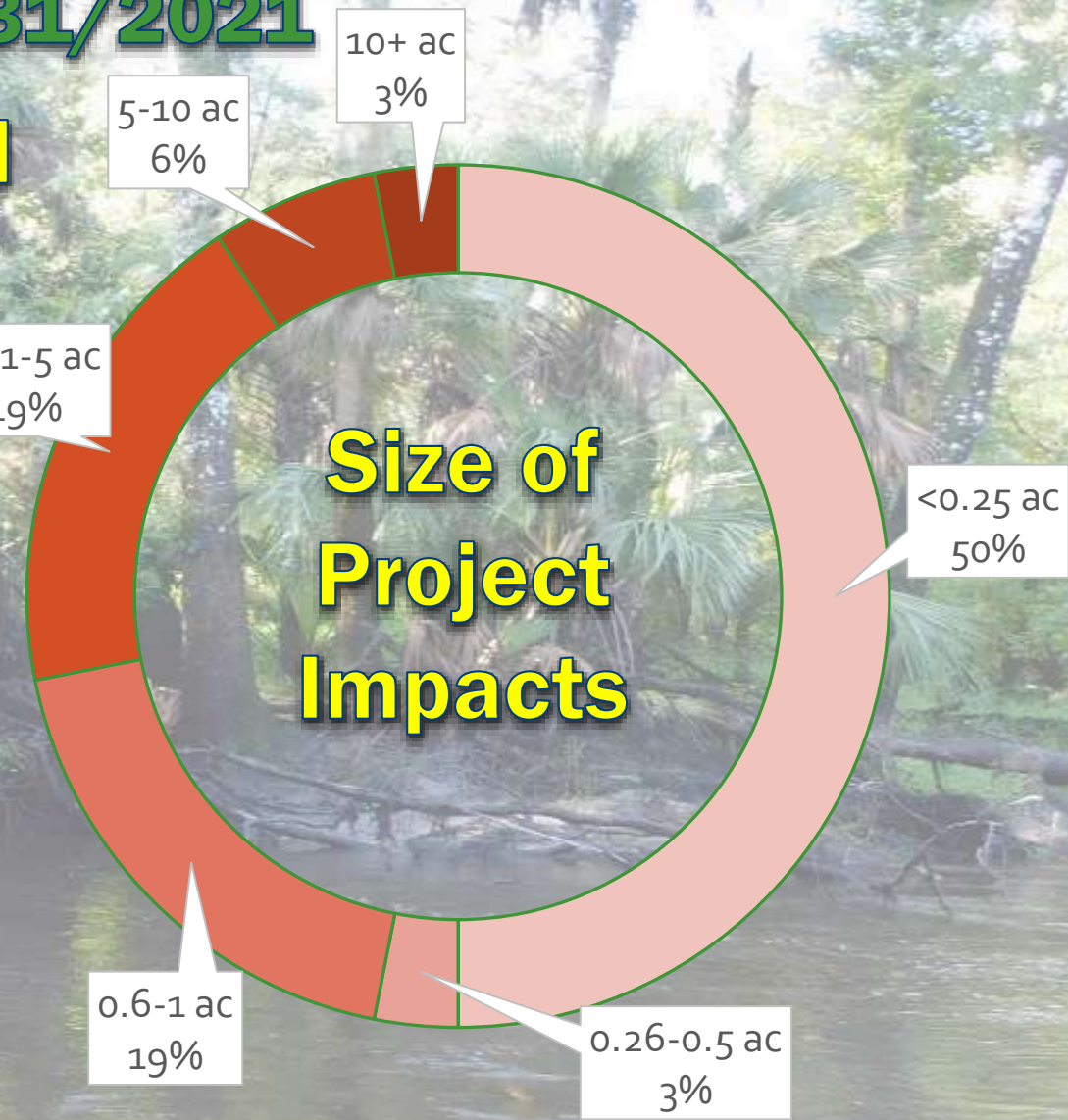
8/1/2020 TO 7/31/2021

**32 Approved Projects**

Acres of Wetland Impacts Requested vs. Approved (Permits Issued)



32 Total Projects Authorized for Wetland Impacts & Mitigation

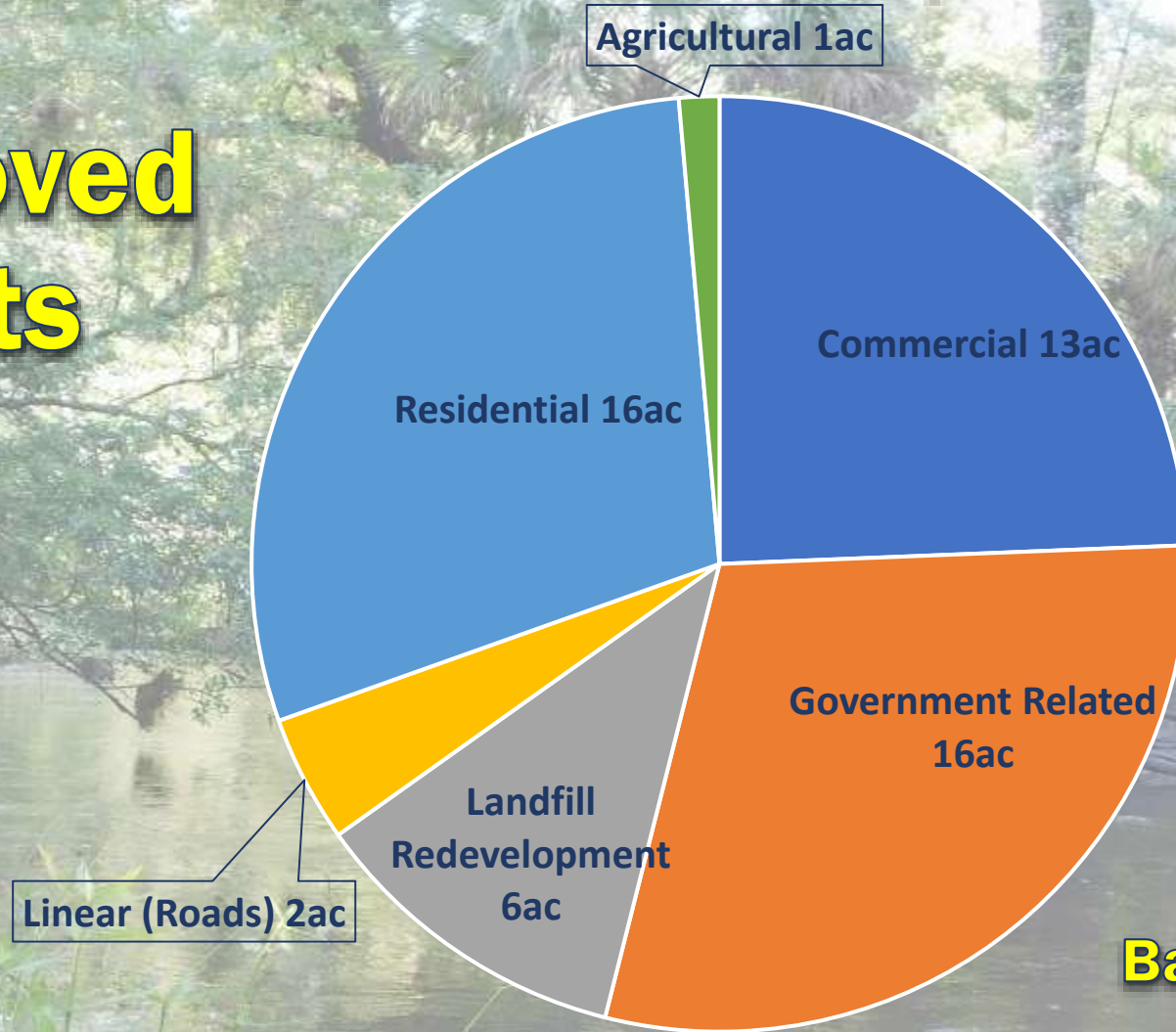




# APPROVED WETLAND IMPACTS

8/1/2020 TO 7/31/2021

**32 Approved  
Projects**



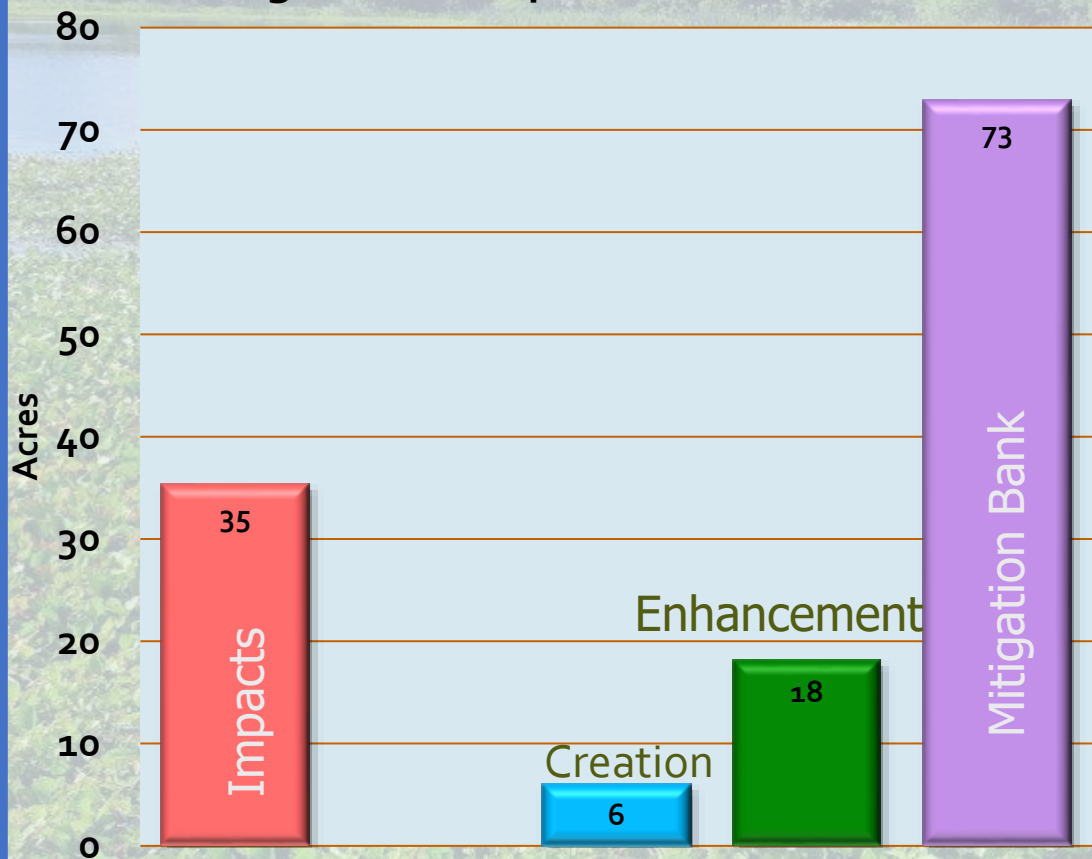
**Distribution of Impacts  
Based on Development Type**



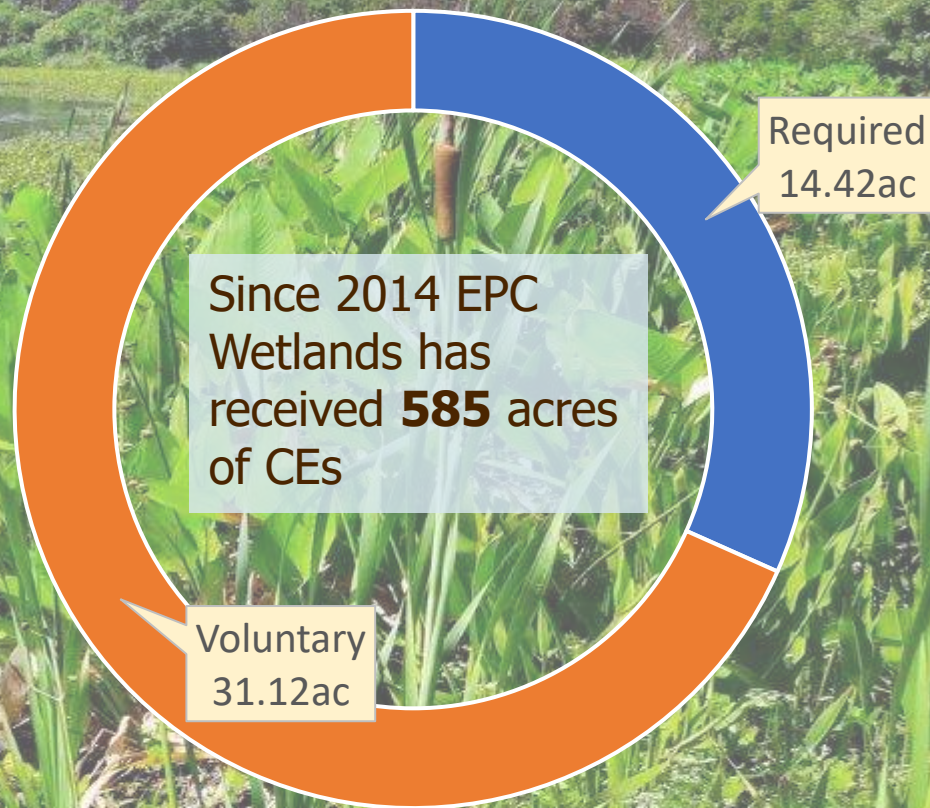
# WETLAND MITIGATION & CONSERVATION EASEMENTS

8/1/2020 TO 7/31/2021

### Acres of Permanent Impacts vs. Acres of Mitigation (Completed Construction)



29 Total Projects Completed Wetland Impact & Mitigation Construction



Since 2014 EPC Wetlands has received **585** acres of CEs

That's more than 443 football fields!



# ONE-STOP PERMITTING IT'S A WIN-WIN FOR ALL



1 Application = 1 Permit



US Army Corps  
of Engineers





# EFFICIENCY TRAINING

## Environmental Protection Commission (EPC) Quality Services Delivery Control System



Bob Seemer



# CONTINUOUS IMPROVEMENT



**Basis of Review (BOR)  
Revision**



# AIR DIVISION

Responsible for protecting the environment, and the health and safety of the public, as they relate to air quality.

## DELEGATIONS & PROGRAMS



Sterlin,  
Division Director/Coach



Joan

- ☀ Compliance
- ☀ Air Monitoring



Alan

- ☀ Noise
- ☀ Permitting

- ☀ Asbestos
- ☀ Open Burning





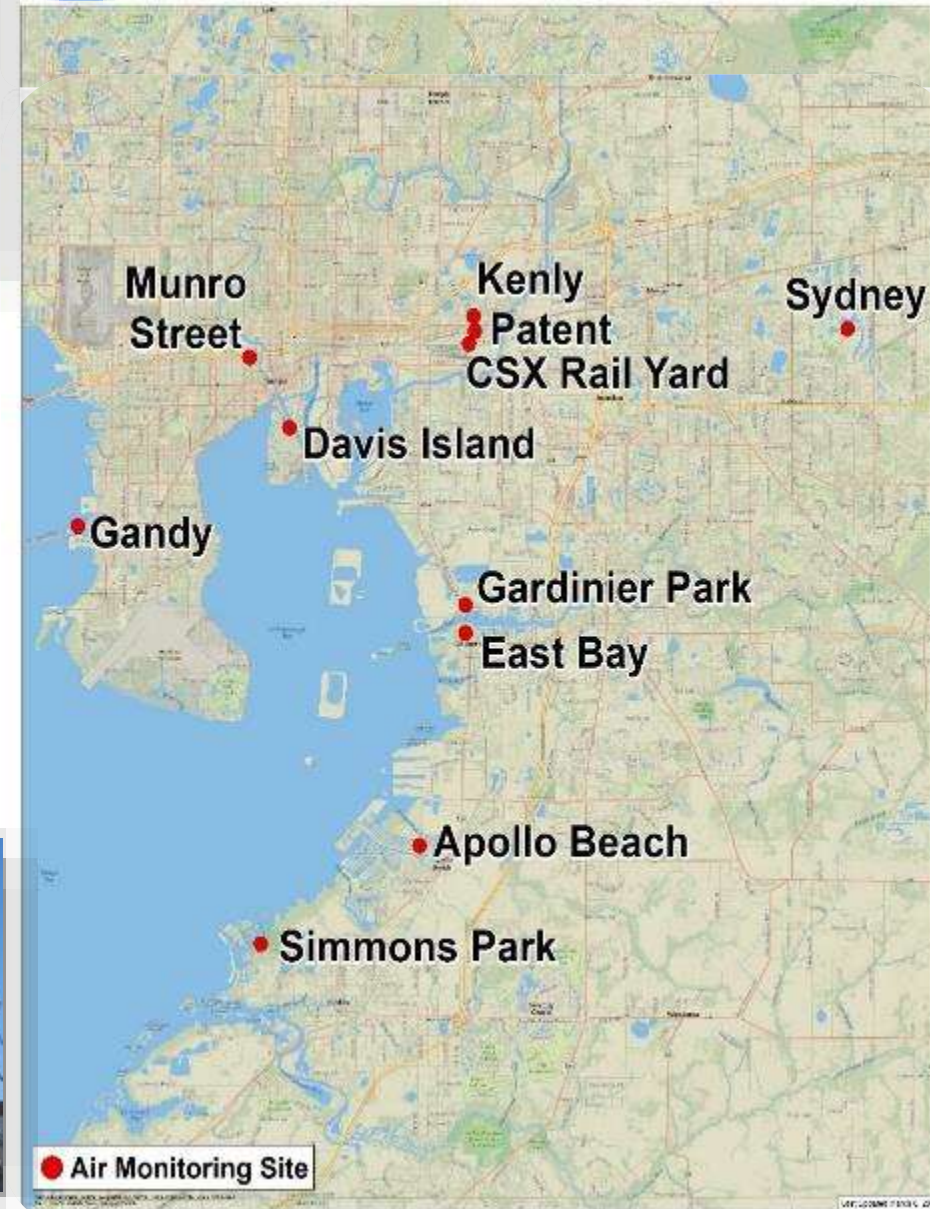
# Meeting All Federal Air Quality Standards



**Air Monitoring 24/7**



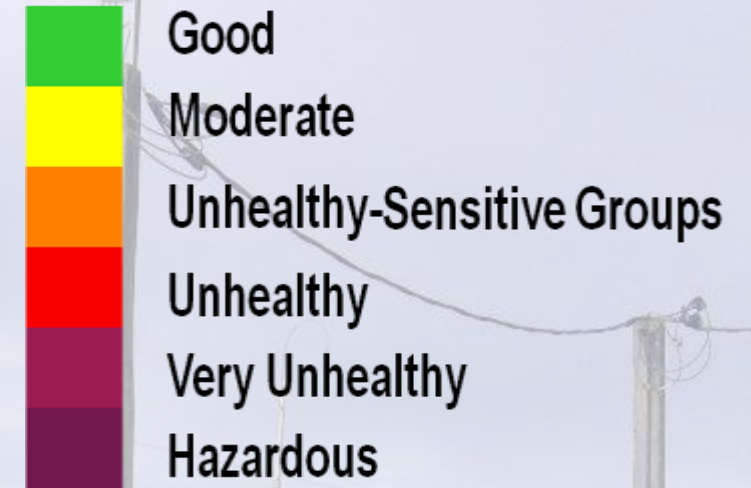
## AIR MONITORING NETWORK





# AIR QUALITY INDEX (AQI)

## Number of **Unhealthy** Air Quality Days for **Sensitive Groups**





# CITIZEN RESPONSE SECTION

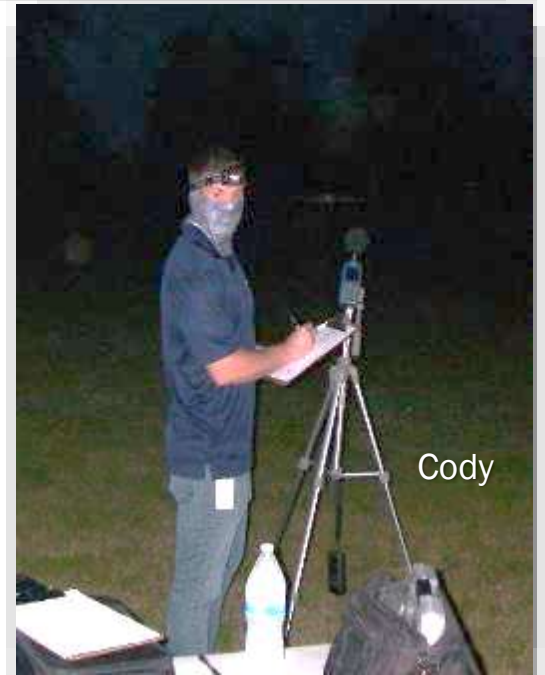


- ✦ Responds to noise complaints
- ✦ Investigates air pollution complaints



Robert

- ✦ Conducts asbestos inspections on behalf of FDEP
- ✦ Issues burning authorizations



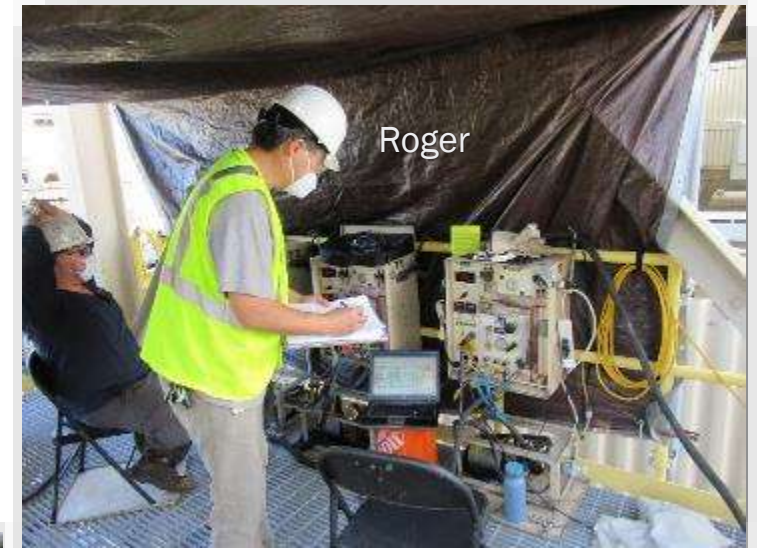
Cody



# INDUSTRIAL AIR COMPLIANCE & PERMITTING



**100%**  
State commitments met  
for FY20



**236**  
Number of delegated  
permitted facilities

**26**  
Construction permits completed,  
averaging 27 processing days



**606**  
Industrial reports  
reviewed to date

**65**  
Total permits  
issued to date



# WASTE DIVISION

Ensures the responsible and proper management, disposal and recycling of solid and hazardous waste.

## DIVISION PROGRAMS

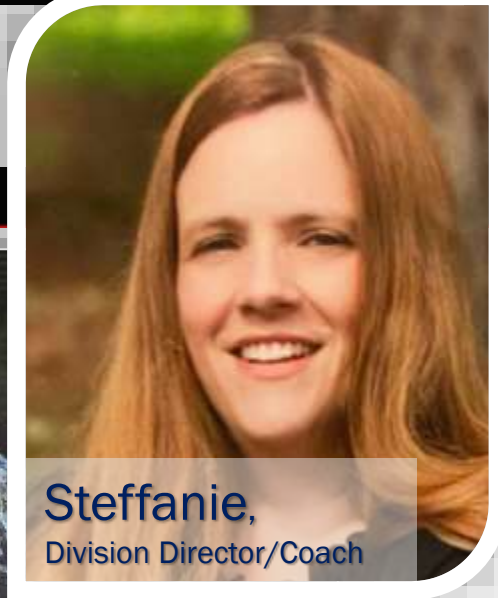
STATE CONTRACTED  
PETROLEUM CLEANUP PROGRAM

STATE CONTRACTED  
STORAGE TANKS COMPLIANCE PROGRAM

STATE DELEGATED  
BROWNFIELDS REDEVELOPMENT PROGRAM

SOLID & HAZARDOUS WASTE  
PERMITTING AND COMPLIANCE PROGRAM

SMALL QUANTITY GENERATOR  
HAZARDOUS WASTE (SQG) PROGRAM



**Steffanie,**  
Division Director/Coach







# PETROLEUM CLEANUP PROGRAM

Approximately 750 contaminated sites remain in cleanup status.

Program funded via Inland Protection Trust Fund (ITPF).

40 to 60 contaminated sites closed/completed annually.

1,700 sites closed/completed since program inception.





# STORAGE TANKS COMPLIANCE PROGRAM



EPC CONTINUES TO MANAGE  
PROGRAMS IN BOTH HILLSBOROUGH  
COUNTY *and* MANATEE COUNTY



DURING FY 20/21  
612 COMPLIANCE INSPECTIONS  
COMPLETED AT HILLSBOROUGH  
COUNTY FACILITIES



DURING FY 20/21  
COMBINED TOTAL OF 761  
COMPLIANCE INSPECTIONS  
PERFORMED

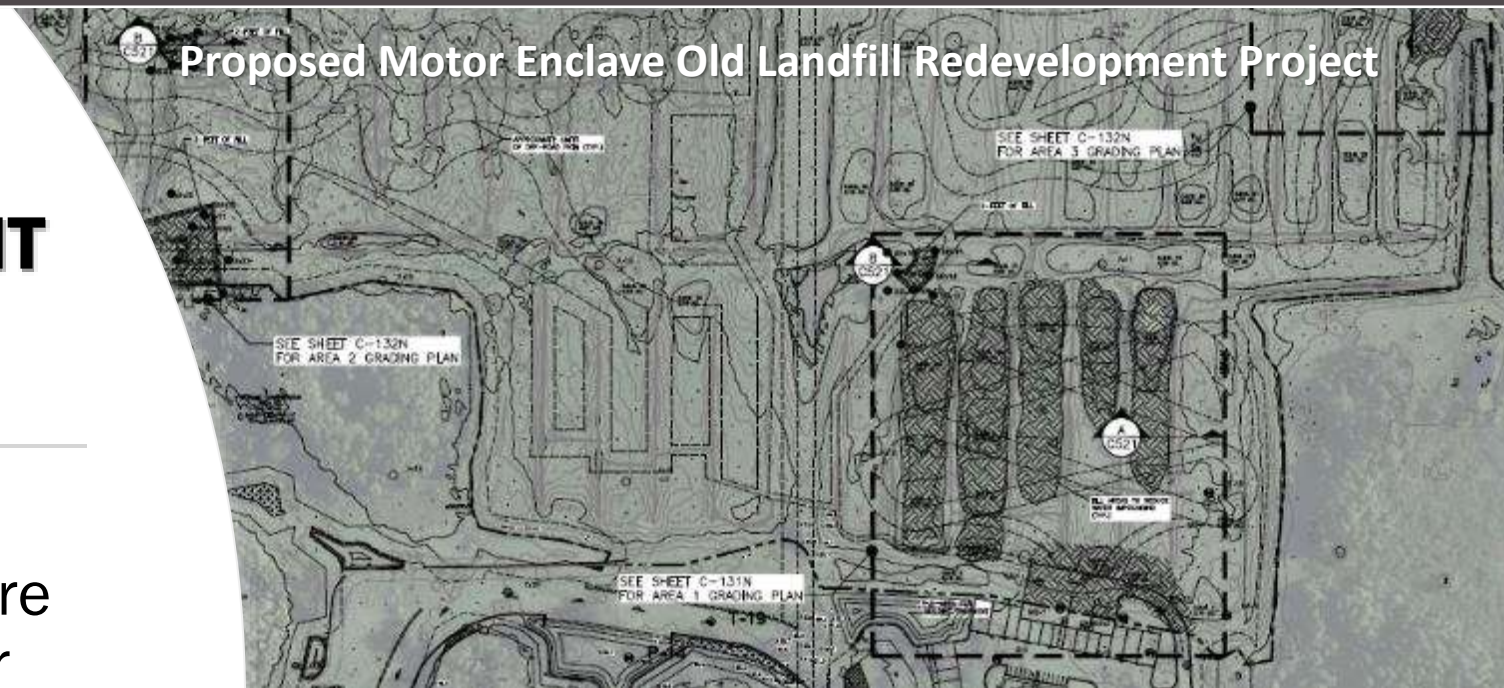


# BROWNFIELDS AND OLD LANDFILL REDEVELOPMENT PROGRAMS

In the county, 72 Brownfield sites are currently in assessment, cleanup or closure phases of redevelopment.

41 sites are managed solely by the EPC through our state delegated program.

The EPC is poised approve its 122<sup>nd</sup> old landfill redevelopment project.





16,225 registered facilities in Hillsborough County.

20% of registered facilities to be inspected annually.



# SMALL QUANTITY GENERATOR HAZARDOUS WASTE (SQG) PROGRAM

Automotive Repair · Manufacturing ·  
Fabricators · Electroplaters · Retail ·  
Department Stores · Automotive · Big Box  
Stores · Services · HVAC · Painting · Electronics  
Repair · Salons · Medical · Dentists · Physicians ·  
Veterinarians · Pharmacies



# WATER DIVISION

Protects, restores, and enhances surface and groundwater quality.

## DELEGATIONS & PROGRAMS

- ⚡ Domestic & Industrial Wastewater
- ⚡ Laboratory Services
- ⚡ Artificial Reef
- ⚡ Biological Monitoring
- ⚡ Water Monitoring
- ⚡ Seagrass Management



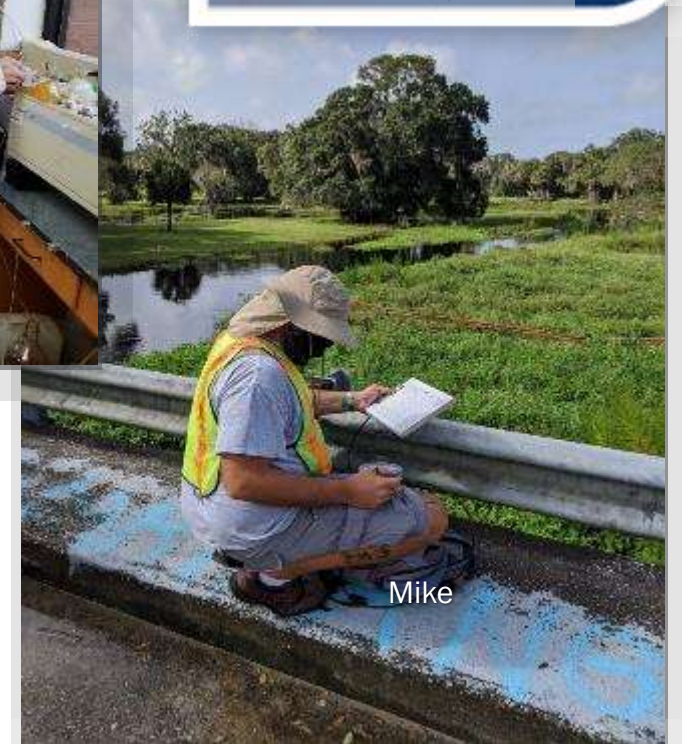
Sam,  
Division Director/Coach



Megan  
Amanda  
Sam W.  
Kat



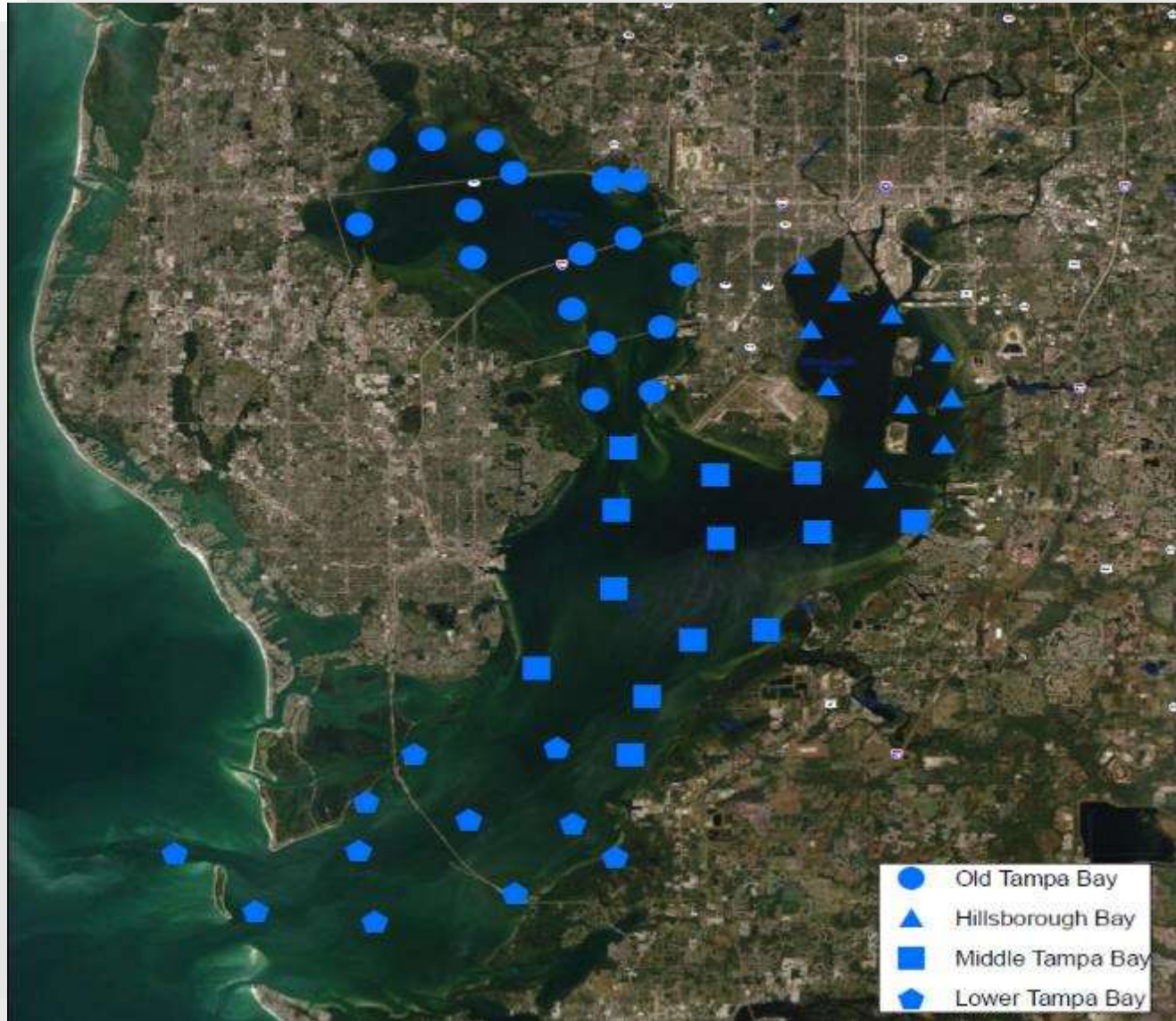
Joe Nita



Mike



# BAY SEGMENT REPORT CARD



Year	HB	OTB	MTB	LTB	Mean	Grade
2020	90.57	83.10	90.93	81.17	85.96	B
2019	92.60	85.19	93.42	83.13	88.04	B
2018	85.60	83.37	89.68	79.37	84.33	B
2017	89.64	83.80	93.41	87.10	87.89	B
2016	85.83	80.36	86.31	75.50	81.66	B
2015	91.90	85.52	90.24	79.10	86.37	B
2014	91.27	89.42	91.67	85.71	89.44	B
2013	89.64	86.97	91.87	86.11	88.42	B
2012	88.45	87.24	90.38	82.94	87.20	B
2011	90.48	76.92	86.02	87.53	84.05	B
2010	89.56	81.08	88.49	78.37	83.79	B
2009	85.99	82.01	87.91	82.74	84.30	B
2008	86.31	86.57	89.98	79.62	85.71	B
2007	90.83	82.40	87.85	85.33	85.95	B
2006	91.79	89.62	93.95	82.64	89.42	B
2005	86.90	81.86	86.51	76.09	82.57	B
2004	85.32	76.64	86.61	71.23	79.36	C
2003	79.24	72.04	83.23	70.18	75.73	C
2002	81.47	74.43	85.12	69.68	77.36	C
2001	80.83	69.40	75.50	66.59	72.54	C
2000	80.60	77.85	76.43	58.61	73.99	C
1999	83.42	77.83	82.44	65.87	78.08	C
1998	60.37	64.06	54.91	52.06	59.48	D
1997	77.82	71.23	73.49	72.03	73.52	C
1996	78.55	70.51	78.57	75.47	74.86	C
1995	66.29	66.18	68.48	59.20	65.64	C
1994	64.88	64.41	64.83	59.83	63.84	C
1993	79.62	67.36	76.70	67.95	72.18	C
1992	73.06	69.16	74.43	66.28	70.57	C
1991	67.14	65.81	70.72	66.03	67.31	C
1990	67.64	55.56	63.97	63.54	61.74	C
1989	60.00	54.39	60.42	58.45	57.85	D
1988	63.23	66.01	70.07	67.89	66.85	C
1987	57.38	52.05	62.00	68.61	59.15	D
1986	60.93	62.48	71.26	73.41	66.67	C
1985	48.67	59.44	58.13	66.34	58.49	D
1984	57.86	45.62	57.14	62.93	54.64	D
1983	48.68	48.41	50.00	53.82	50.04	D
1982	48.05	50.45	50.27	57.95	51.58	D
1981	43.63	42.18	43.82	45.78	43.65	D
1980	53.10	37.04	35.43	38.46	40.18	D
1979	45.95	38.07	39.38	41.23	40.66	D
1978	45.71	45.55	38.46	43.10	43.36	D
1977	48.99	40.48	42.91	45.31	43.92	D
1976	50.16	43.22	53.57	48.54	48.26	D
1975	52.86	43.60	48.95	48.36	47.76	D
1974	54.06	45.76	48.33	46.29	48.34	D



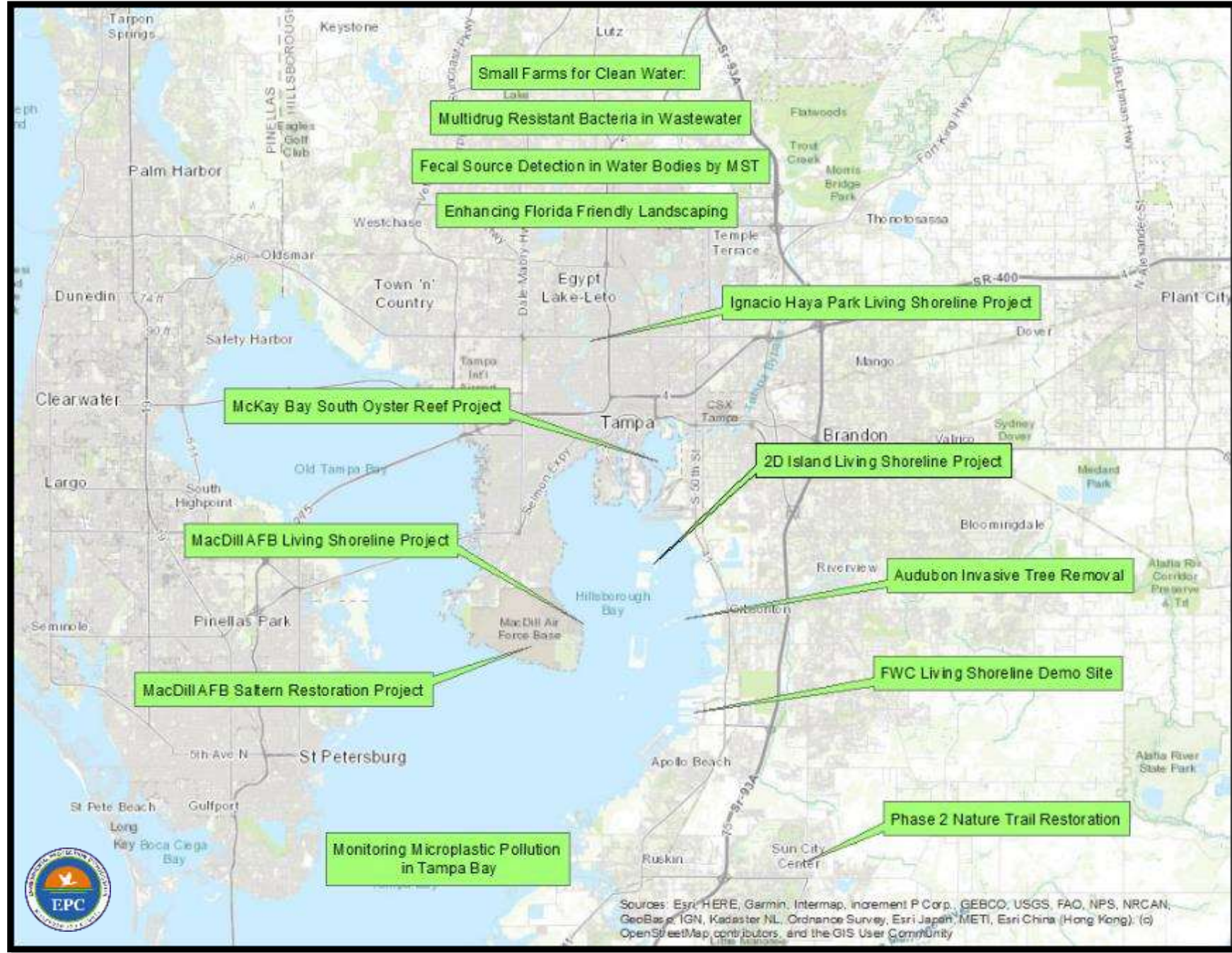
# RED TIDE ROUNDTABLE DISCUSSION





# 2021 EPC POLLUTION RECOVERY FUND (PRF)

- ⚡ 13 projects currently open
- ⚡ 9 projects awarded funds in 2020-2021
- ⚡ \$356,610.00 in PRF funds awarded in 2020-2021





# ADMINISTRATION DIVISION AND LEGAL

Provides support for our four operational divisions and information and services to the public.





# OPERATIONS SINCE COVID-19

- Implemented hybrid work schedule and Agency-wide Focus Group which meets regularly
- Continued focus on core functions and responsibilities
- Policies and protocols remain compliant with County and CDC Guidelines
- Use of personal protection equipment for field personnel and administrative staff
- Technology enhancements
- Improved access and use of electronic communication equipment





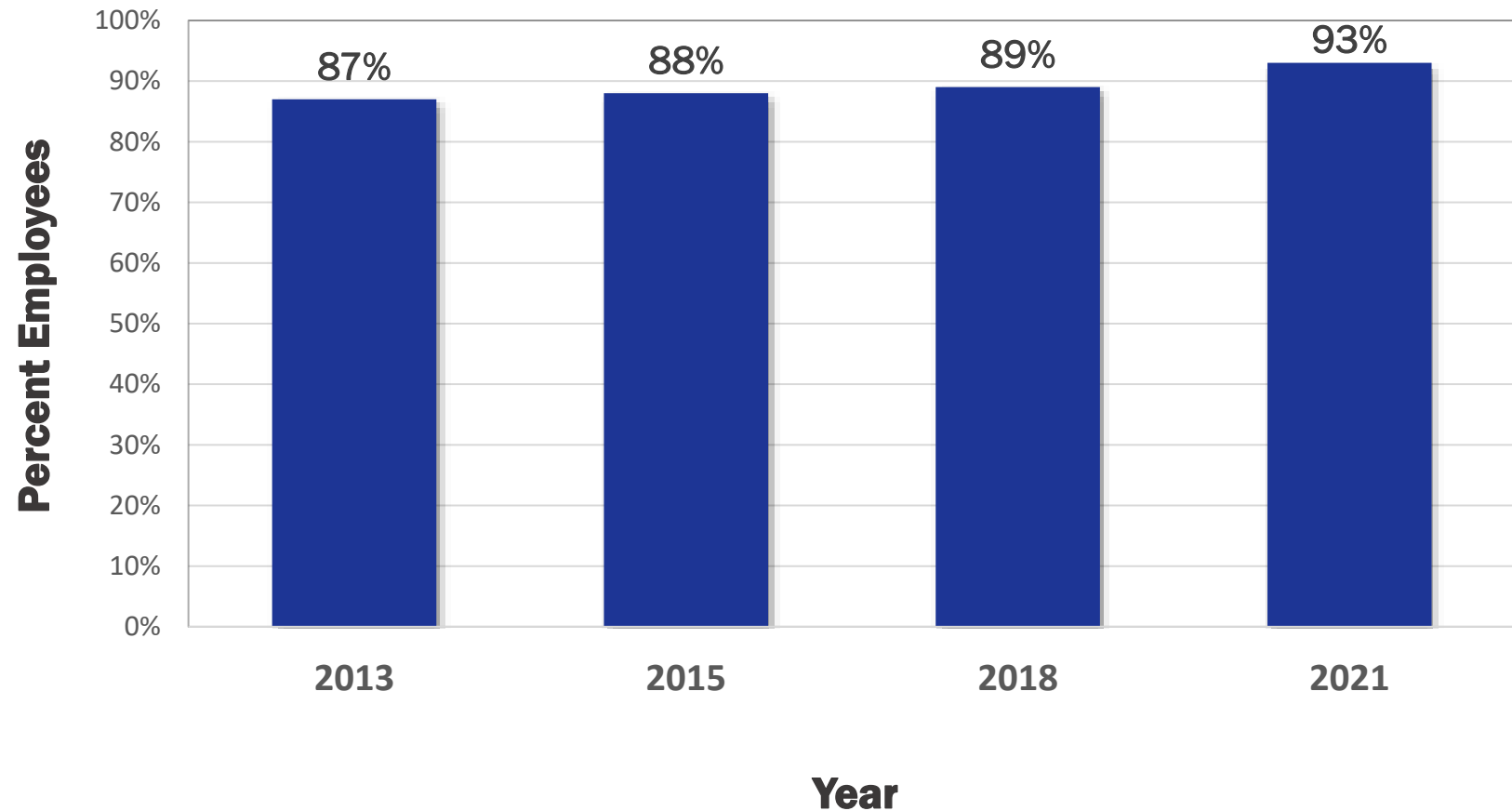
# EMPLOYEE COMMUNICATION & FEEDBACK

## EPC Employee Survey



Bob

### Overall Satisfaction



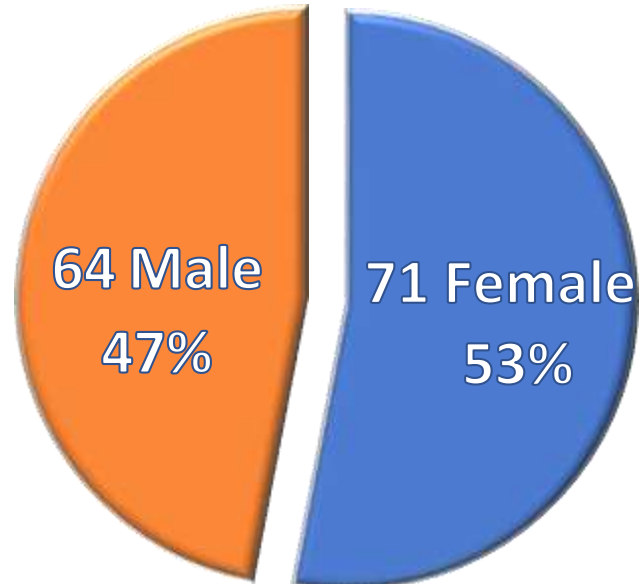


# STAFF

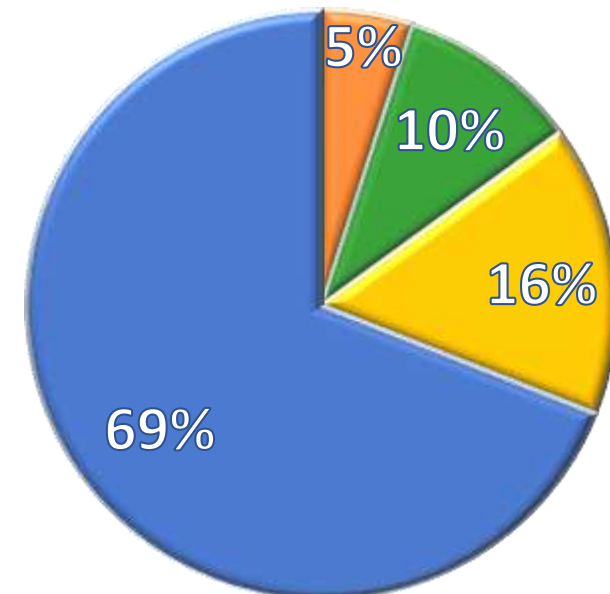


# DIVERSITY

**EPC Agency Wide Gender Data  
Sept 2021**



**EPC Agency Wide EEO Class  
Sept 2021**



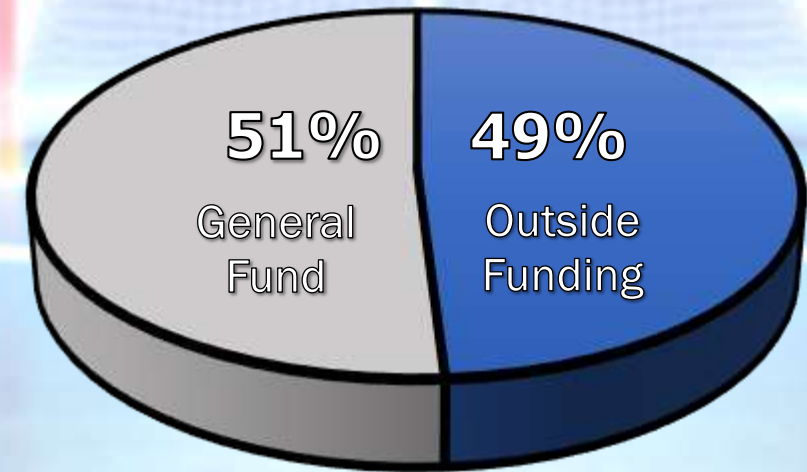
Asian = 7   Black = 13   Hispanic = 22   White = 93



# EPC'S FISCAL RESPONSIBILITY

## End of the Year Bottom Line

Under Budget in General Fund  
(in \$1,000's)



2020 Expenditures



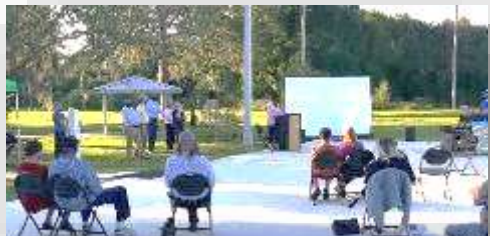
# 41 TOTAL, FROM 6 AGENCIES

## FY21 AUDITS

EPC Division	Agency	Program Name	Audit Type
Water	Florida Department of Health	Water Division Chemistry Laboratory	Laboratory Testing Accuracy
Water	Environmental Protection Agency	National Air Toxics Trending Stations	Proficiency Testing
Air	Department of Environmental Protection	State and Local Air Monitoring Stations Network	Instrument Performance Audits (21)
Air	Environmental Protection Agency	State and Local Air Monitoring Stations Network	Technical Systems Audit (3)
Wetlands	Tampa Port Authority	Minor Works Permit Delegation	Permit writing, compliance and enforcement activities
Wetlands	Department of Environmental Protection	Mangrove Delegation	Permit writing, compliance and enforcement activities
Waste	Hillsborough County Clerk of the Circuit Court	Petroleum Cleanup Program	Program Audit
Waste	Florida Department of Environmental Protection	Petroleum Cleanup Program	Monthly Program Audit (12)



# SIGNIFICANT ENVIRONMENTAL ISSUES 2021

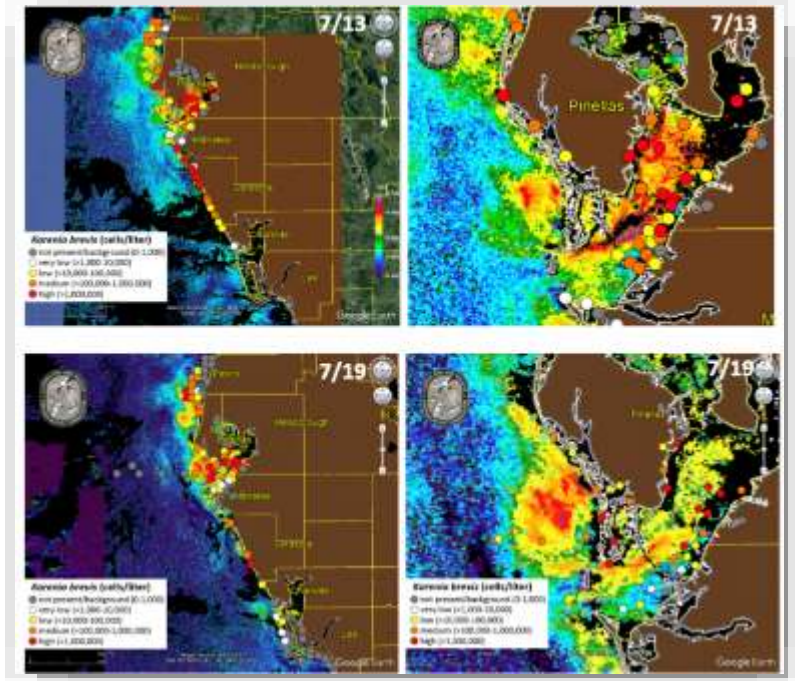
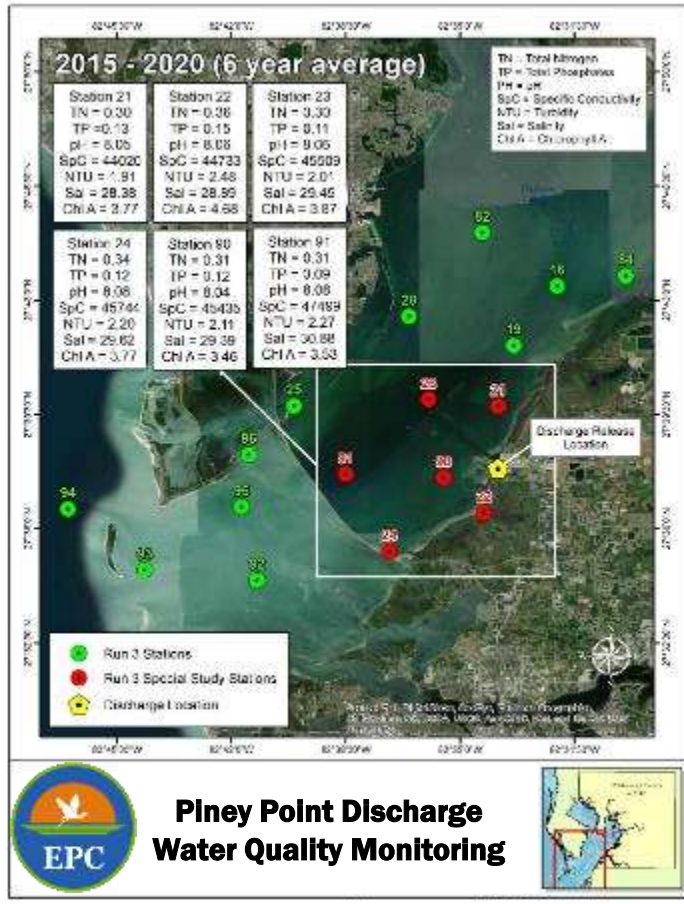


Kenly Townhall Meeting

**Tampa Bay Times**  
 Thursday, April 1, 2021  
 www.tampabay.com

**Piney Point threat eases**  
 Orders to shut down...  
 Photo Courtesy TBT

**Regulators inspect Tampa lead smelter**

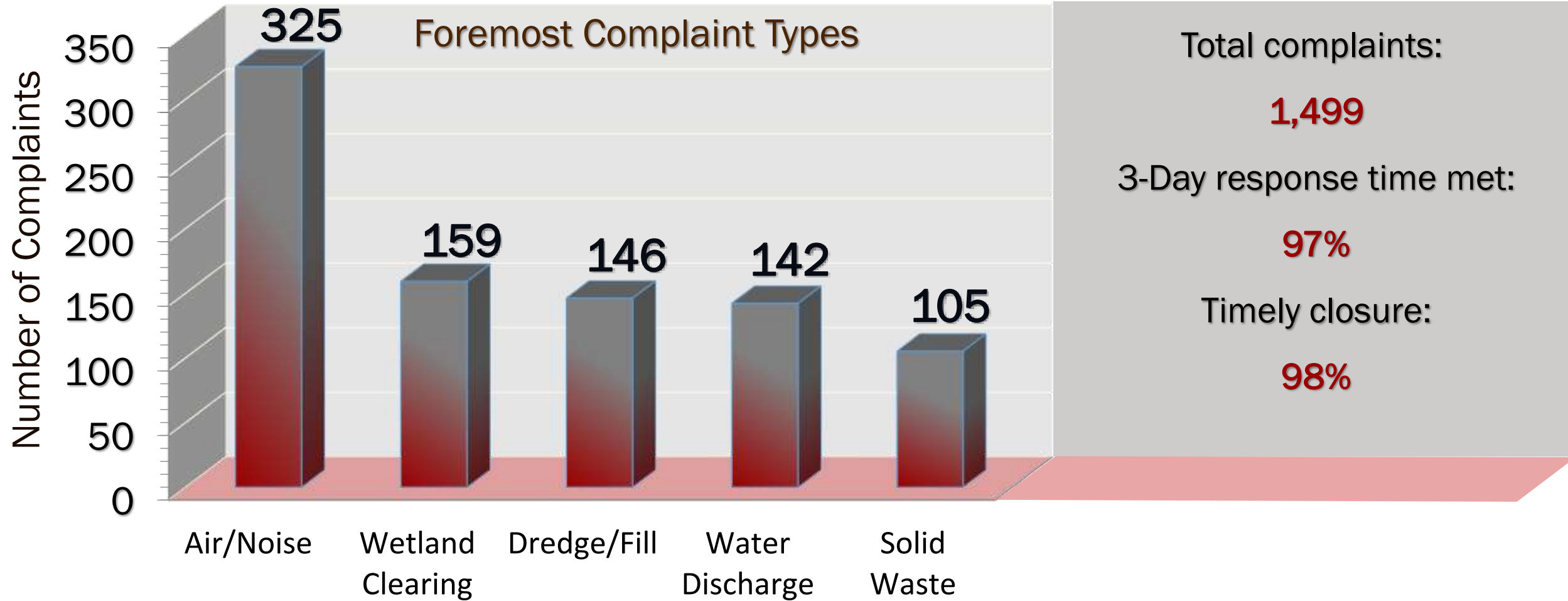


Mike



# FY21 COMPLAINT STATS

## RESPONDING TO OUR CITIZENS





# FY21 AGENCY GOALS

Core Function	Measure	Pre-Sterling Year (2009)	2019	2020	2021 (YTD)	2021 Goal
Permitting	Average Time to Issue an Intent for State Construction Permits	57 days	19 days	28 days	23 days	Less Than or Equal to 30 days
	Average Time to Issue an Intent for Tampa Port Authority Permits	56 days	51 days	56 days	59 days	Less Than or Equal to 60 days
	Average Time EPC Permits were In-house	21 days	34 days	36 days	35 days	Less Than or Equal to 30 days
Compliance	Timely Resolution of Lower Level Non-Compliance Cases	92%	92%	97%	95%	Greater Than or Equal to 90%
Environmental Complaints	Timely Initiation of Investigation	99% in 5 Days	96% in 3 Days	96% in 3 Days	97% in 3 Days	Greater Than or Equal to 90% in 3 Days
Enforcement	Timely Initiation of Enforcement	73%	92%	98%	97%	Greater Than or Equal to 90%



# FOSTERING SUSTAINABILITY

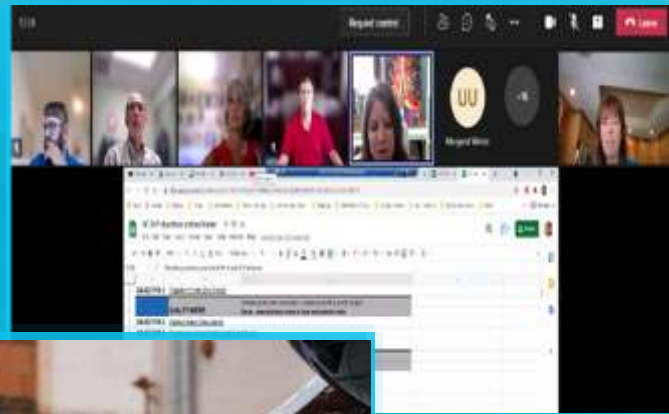


Tampa Bay Clean Cities Coalition



Clean Cities Re-designation  
June 7, 2021

Alexandra Kopylov  
Austin Spies  
Liz Boas  
Kathleen Hernandez  
Michele Jensen





*Scientific Data*

# *BUILDING RESILIENCY*

*Collaboration*



**Hillsborough County  
Community Vulnerability Study  
Team**





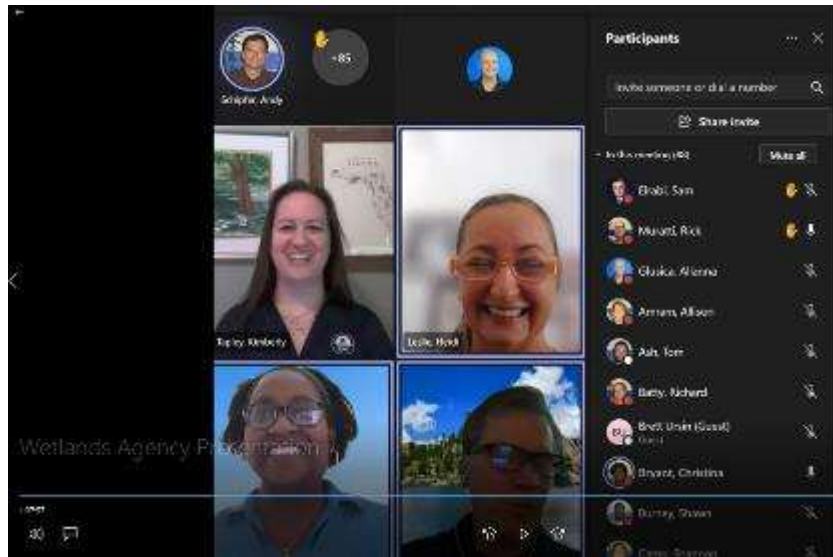
# INTER-DEPARTMENTAL FAMILIARIZATION ACTION PLAN

Initiated in 2019:

- Currently, 80% complete

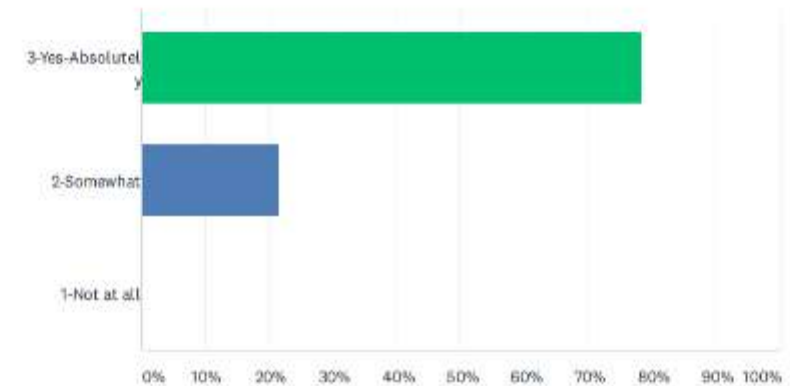
Goals:

- Increase experience-based knowledge
- Improve agency customer service



Do you feel like you are more familiar with the divisions duties and jurisdiction after attending the session?

Answered: 65 Skipped: 2



- Benefits both citizens and staff
- Mid-point survey utilized to gauge effectiveness among staff
- Results overwhelmingly positive



# EXECUTIVE DIRECTOR'S FEEDBACK GROUPS



**ENVIRONMENTAL**



**BUSINESS**





# EPA AIR QUALITY EVENT



# OUTREACH - TEAMING WITH THE COMMUNITY



**GREAT PORT CLEANUP**



**KENLY TOWNHALL MEETING**



**EPA CDC EVENT**



**USF COMMUNITY AIR MONITORING**



# OUTREACH - TEAMING WITH THE COMMUNITY



**WETLANDS MONTH TOUR SERIES**



**USF CAPSTONE MEETING**



**SOLAR CO-OP LAUNCH**



Dr. Karen Liller, USF



Michelle Jenkins, EPC



Kim Tapley, EPC

**USF PODCAST  
ADVOCATION - CHANGE IT UP**



**USF ENGINEERING EXPO**



Kim Tapley, EPC



Dr. Raulerson, TBAEP

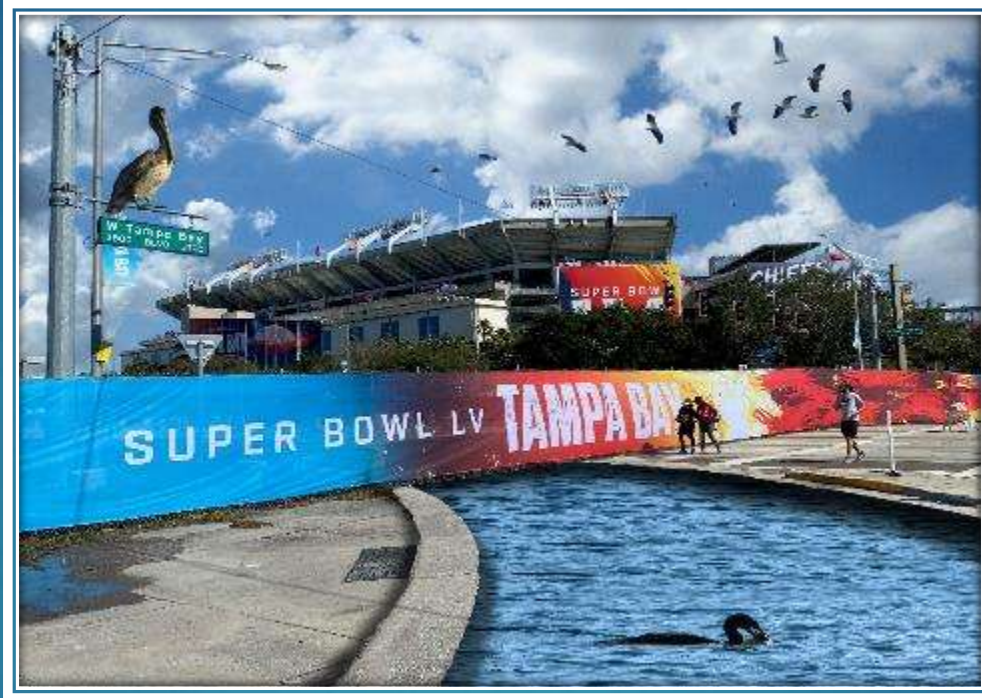


Tom Ries, ESA Assoc.

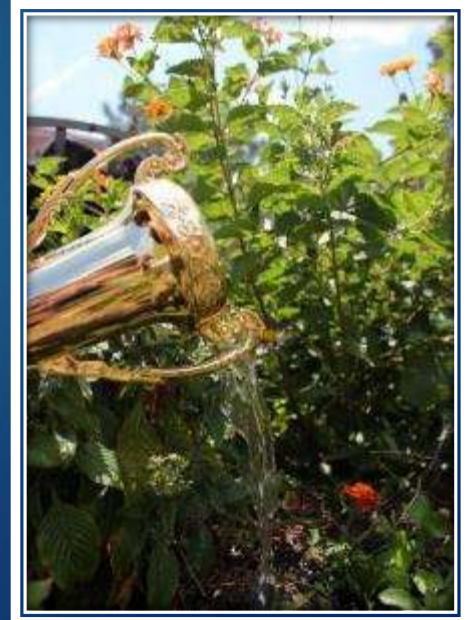
**USF FRESHWATER  
RIPARIAN ENVIRONMENTS PANEL**



# EPC's 20<sup>TH</sup> ANNUAL ENVIRONMENTAL PHOTO CONTEST



Environment of  
**CHAMPIONS!**





# “ENVIRONMENT OF CHAMPIONS” PHOTO CHALLENGE





# PHILANTHROPIC TEAMING WITH CHARITIES







**Hooshang Boostani**  
40 Years



**Andy Schipfer**  
37 Years



**Marvin Blount**  
35 Years



**Frank Arcuri**  
30 Years



**Ron Nichols**  
26 Years

# EPC STAFF RETIREMENTS



*Crossing the Finish Line*  
with more than 25 Years



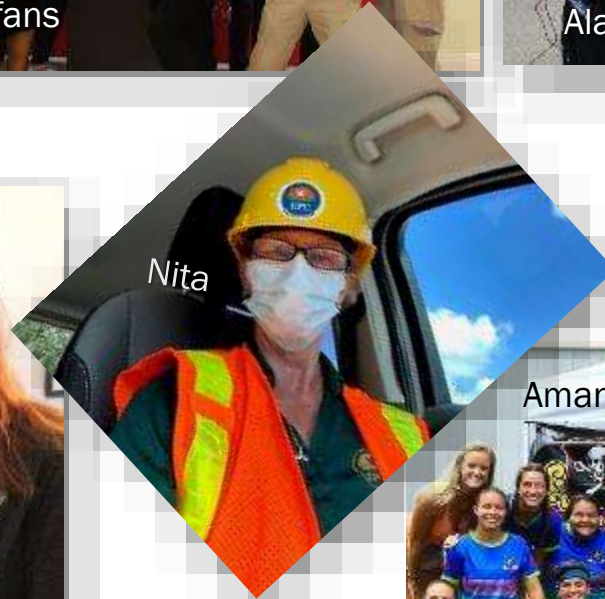
# CHALLENGES FOR EPC IN FY22

- Continuing to adapt to the challenges of COVID-19
- Meeting the demands for increasing workload
- Evolving with technological advances
- Remaining competitive for retention and recruitment





# OUR EPC EVERYDAY CHAMPIONS





# OUR EPC EVERYDAY CHAMPIONS



Diana



Bob



Savita



Beth



Ed



Nicole



Amanda



Chris



Shawn



# OUR EPC EVERYDAY CHAMPIONS



Photo taken 2019



# OUR COMMISSION'S SUPPORT



Mariella Smith  
District 5  
EPC Chair



Pat Kemp  
District 6  
EPC Vice-Chair



Harry Cohen  
District 1



Ken Hagan  
District 2



Gwen Myers  
District 3



Stacy White  
District 4



Kimberly Overman  
District 7





# LOOKING FORWARD TO ANOTHER SUCCESSFUL YEAR!

