

# Florida Department of Environmental Protection



Office of Coastal and Aquatic Managed Areas

## Guana Tolomato Matanzas National Estuarine Research Reserve Volunteer Program *A Dynamic Bunch*



Carly Swatek, Volunteer Coordinator



# Define: Dynamic

1. (adjective) Characterized by *continuous activity, or progress*

Merriam-Webster Dictionary



# Define: Dynamic

1. The volunteers at the GTM Research Reserve offer a dynamic approach to the overall *activity* and *progress* of the various *parts* of the reserve that make up its *whole*.



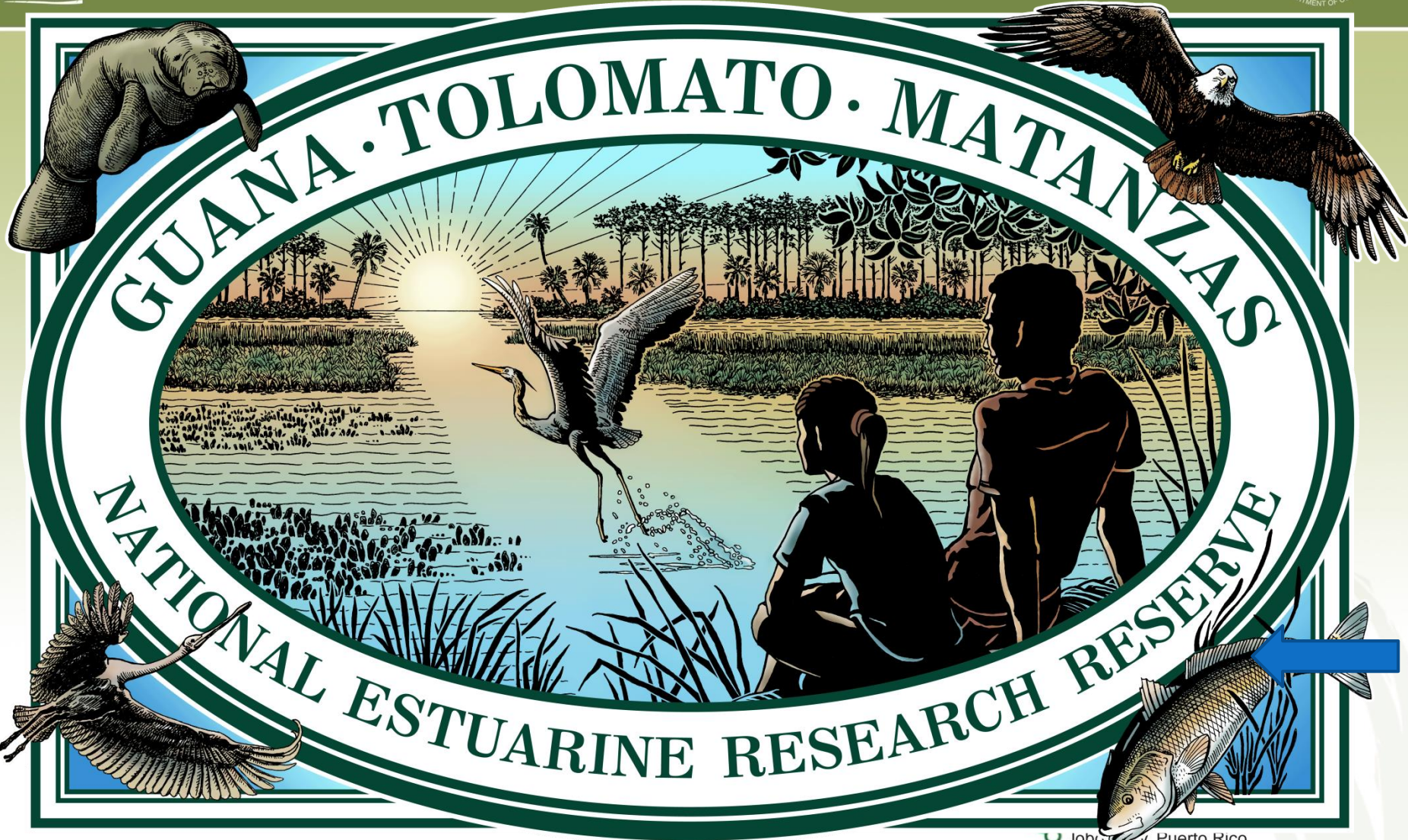


*The whole is greater than the sum of its parts.*  
-Aristotle



NATIONAL  
ESTUARINE  
RESEARCH  
RESERVE  
SYSTEM

# NATIONAL ESTUARINE RESEARCH RESERVE SYSTEM



Jobu, Puerto Rico



**NERRS  
Initiatives**



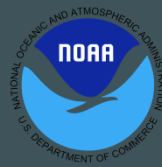
**Research**



**Stewardship**



**Education**

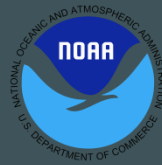


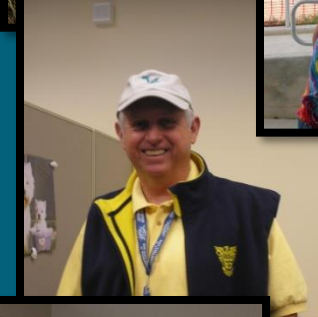
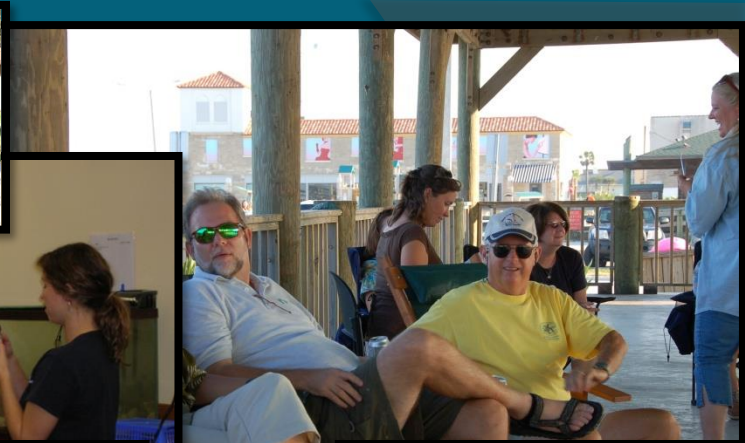
# 2010-2011 Volunteer Hours Broken Down by Sector

Training Administration



Research  
44%







Father

Brother

Sister

And on and on and on!

# A Dynamic Bunch...

Electronics

Marine Botanist

Biologist

Grandparent

Pathology

High School Student

Teacher

Mother

Nursing

Machinist

Fishery Observer

Statistician

National Park Service

Bee Keeper

Water Management District

Undergraduate Student

Prescribed Fire Ranger

US Military

Carpentry

Middle School Student

Marine Mammal Observer

Historian

Statistician

Graduate Student

Psychology

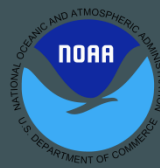
Renewable Energy

Geologist

Tug Boat Master

Photographer

Fish and Wildlife Conservation Commission



# Research

Biological Monitoring  
Phytoplankton Monitoring  
Water Quality Sampling  
Data Entry

Butterfly  
Bee  
Marine Turtle  
Shorebird  
Marsh bird  
Gopher Tortoise  
Anastasia Island  
Beach Mouse  
Oysters

NOAA Collaboration

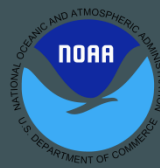
All of the above and more!

System Wide  
Monitoring Program



# Volunteer Research Hours 12/1/2010 to date

Hours	Volunteers
3107.25	64



# Education

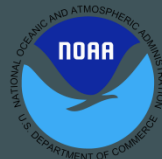
KEEP (K-16 Env. Ed.)  
Adult  
Teachers  
Community

National Estuaries Day  
State of the Reserve  
Sustainable Living Series  
Community Partner Outreach  
*Coastal Training Program*  
*Workshops*

Estuary Explorers  
Estuaries 101  
Trail Hikes  
Learning in Florida's Environment (LIFE)

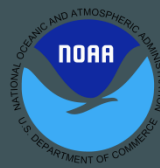
Exploring Our Environment (EOE)

Teacher Professional Development



# Volunteer Education Hours 12/1/2010 to date

Hours	Volunteers
1857.5	85



# Stewardship

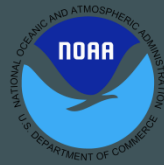
Facility Assistance  
Natural Resource Management  
Cultural Resource Management  
Volunteer Ranger

Trail Maintenance  
Roving Interpretation  
Ecosystem Clean ups  
Boardwalk/Kiosk Maintenance

Aquarium Care  
Landscaping  
Native Plant Garden

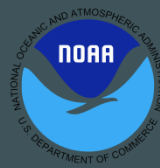
Invasive Exotic Plant Removal  
Invasive Exotic Animal Removal  
Ecosystem Restoration  
Prescribed Burn Assistance

Archeological Monitoring



# Volunteer Stewardship Hours 12/1/2010 to date

Hours	Volunteers
780	32



# Remaining sector breakdown 12/1/2010 to date

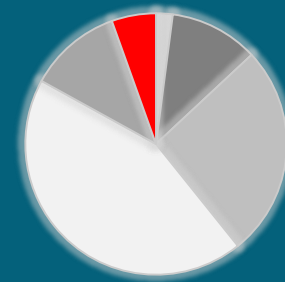


## Administration- Front Desk Greeter/Assistant

Hours	Volunteers
146.5	8

## Volunteer Training and Orientations

Hours	Volunteers
388.75	38



## Friends of GTM Research Reserve

Hours	Volunteers
816.25	15



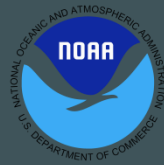
# GTM Research Reserve Total Volunteer Hours 12/1/2010 to date

Hours	Volunteers
<b>7096.25</b>	<b>120</b>

According to the Corporation for National and Community Service the dollar value of a volunteer is **\$21.36 /hour** for the year 2011.

You do the math...

That's over a **\$150,000**  
savings for the state!



# Mutually Beneficial



# Undeniably Invaluable!



# Maslow's Hierarchy of Needs



GTM NERR's  
Volunteer  
Program



# Define: Dynamic

1. (adjective) Characterized by *continuous activity, or progress*

Merriam-Webster Dictionary



# Thank you!

Questions?

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