To the
Welcome

Environmental Law Symposium

To the
NSU Halmos College of Oceanography and Natural Sciences
10 things you might not know about the NSU Halmos College of Natural Sciences and Oceanography
Then: First NSU Center

NOW: One of Largest NSU Colleges

U R Here
Dock 2 B Here
#2: HCNSO is a NSU Academic Leader, e.g.,

- HCNSO BIOLOGY is the largest NSU Undergraduate Major
- HCNSO Marine Biology: Large and fast growing Majors
- HCNSO Chemistry and Math Majors new and growing

Pre-Med Student Preparation!
#3: DUAL Campus Splits

- Labs and Classrooms Co-Located at the Ocean Campus and Main Campus
#4: Departments

- Biology
- Chemistry and Physics
- Marine and Environmental Science
- Mathematics

BS: MARINE BIOLOGY
MS: MARINE SCIENCE
PHD

BS: MATH

BS & MS: BIOLOGICAL SCIENCES

BS: CHEMISTRY
#5: HCNSO is NSU’s Leader In RESEARCH Grants & Contracts

NSU Active Extramural Research Funding $54,023,334 (as of Jan, 2018)
#5: Research: Some Focus Areas Highlights

**Corals & Coral Reefs**
- Value: $6B/71K jobs
- Assessment
- Restoration
- Mapping

**Marine Conservation: Shark & Billfish**
- Ecology/Forensics/Migrations

**Ecotoxicology**

**Invertebrates**

**Physical Oceanography w/ NAVY**

**Genomics, Metagenomics, Bioinformatics**

Seacor
#6  Distinguished Namings

- **Dr. Charles and Hamilton Forman Building**
- **Dorothy & Alexander Schure Building**
  (originally NYIT engineering)
#6 Distinguished Names & Namings!

• Walter Banks Marina
#6  Distinguished Names & Namings!

• Guy Harvey Oceanographic Center of Excellence
  • GHRI
• Halmos College of Natural Sciences and Oceanography
#8: HCNSO is Off The DEEP-END

Bathypelagic realm below 1000 m = earth’s largest living space

NSU Sample set: largest in oceanographic history
Outnumbers all previous samples combined;
Of the 900 fish species collected from the Gulf since DWH, 180 are new records and ~22 are new species.
The epipelagic at night - dragonfishes
Fishes of the
mesopelagic realm -
dragonfishes
Telescope fish

Fishes of the mesopelagic realm
- other nasties...
So.....Should you worry?
Phew!
#9: HCONSO is for the Turtles

Nesting

• 3,587 Nests (most since 1981)  
  Loggerhead, Green, Leatherback

• 62% of Season Nests Excavated  
  • 70% Live Hatchlings; Over 217,000 Eggs!

• Strandings, Education, & Outreach  
  • Hatchling Releases, School Presentations  
  • 158 Events/44,000+ Participants

• **MEEC**  
  • Opened Mar 2018; 10,000 visitors!  
  • School Programming Sci. Standards  
  • Hosts events with multiple groups
#10: FISHERIES RESEARCH with Partners

Guy Harvey

TROPIC STAR LODGE
Piñas Bay, Panama

Nova Southeastern University
College of Natural Sciences and Oceanography
#10: PANAMA FISHERIES RESEARCH PARTNERSHIP

- Gamefish/Sharks
- Ecology, Migration, Genetics, Genomics
- Management & Conservation
- Partners:
  - NSU, Guy
  - Harvey, TSL
- PhD Scholarship
- 5 year duration
- Support Opportunities!
#11 THANK YOU!!

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