

NOAA Environmental Leadership: *My Observations from 3 Years of World Class Science and Engineering*

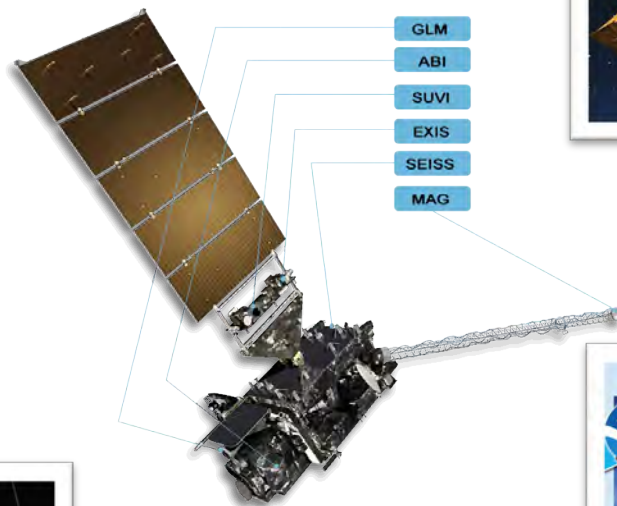


Rear Admiral Tim Gallaudet, PhD, USN Ret.
Assistant Secretary of Commerce for Oceans and Atmosphere /
Deputy NOAA Administrator

3 Years Ago...



NESDIS



Vital Weather Coverage for U.S. Troops

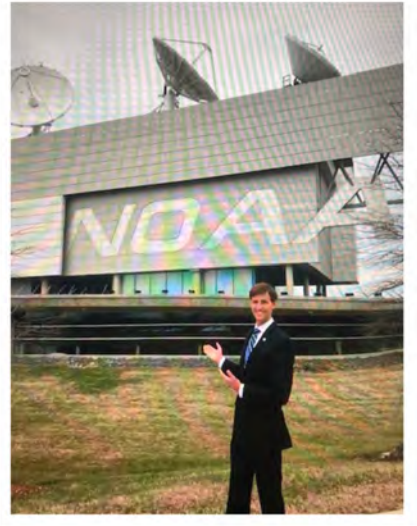
24/7 real-time imagery shows weather conditions over the Indian Ocean. Bright areas indicate increasing storm activity. Dec 2, 2020

NOAA 50 Years

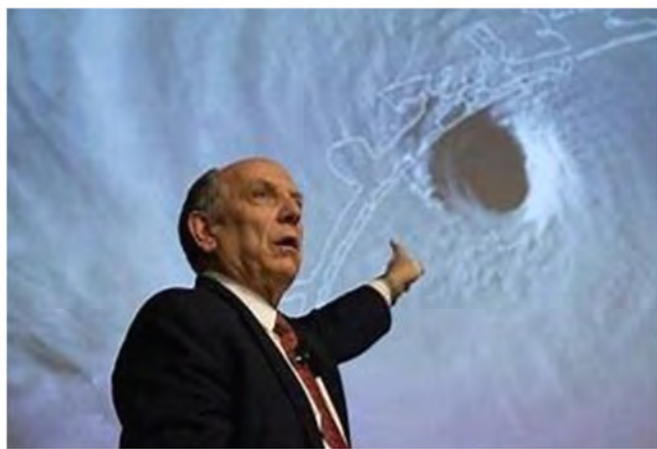
POSTCARD FROM THE FIELD

JT Cusick Robert Sneed Greg Johnson Mike Anderson

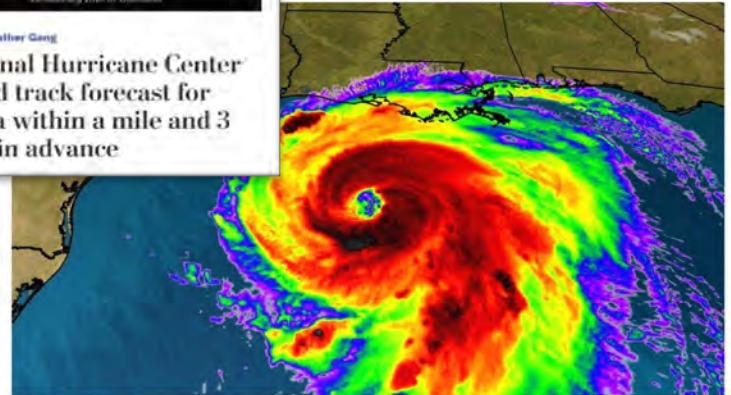
NOAA's retired GOES-13 satellite is providing critical weather coverage to U.S. troops in the Indian Ocean region. In record time, and working with NASA and the U.S. Space Force, NOAA's team (shown above) from Wallops Command and Data Acquisition Station in Virginia disassembled, relocated and rebuilt antennas needed to capture satellite signals and established a satellite ground station in Australia's arid Outback. Until it was replaced in 2017, GOES-13 provided vital information during major U.S. weather events. NOAA will operate GOES-13, now EWS-G1, for the Air Force over its remaining life span.







NWS



Capital Weather Gang

National Weather Service launches upgraded, improved global forecast model

By Jason Samenow

June 12, 2019 at 1:44 p.m. EDT

For the first time in nearly 40 years, the National Weather Service's flagship computer prediction model has received a

ENVIRONMENT

NOAA is changing the way it talks about hurricanes

Storms are getting worse and more people are in the way than ever, so meteorologists are working on ways to improve their communication.

Greta Moran
September 22, 2020

AXIOS

NOAA's Hurricane Florence forecast was insanely accurate



Andrew Freedman



WEATHER

4 new changes in forecasts for 2020 Hurricane Season from the NHC

Storm surge graphic, a new 60 hour forecast point in the track, and better time zone for Eastern Atlantic storms

Rebecca Barry, Meteorologist

Published: May 1, 2020, 11:29 am

Updated: May 1, 2020, 11:55 am

Tags: [Weather](#), [Hurricane](#)

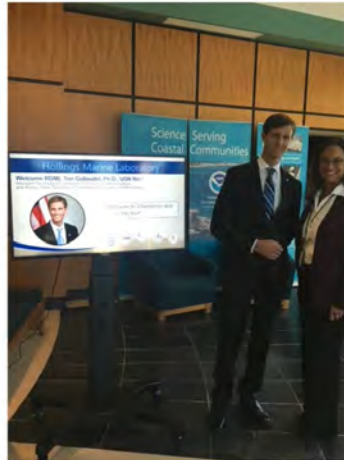








NOS









NMFS

NOAA ends fishing career of New Bedford's "Codfather"

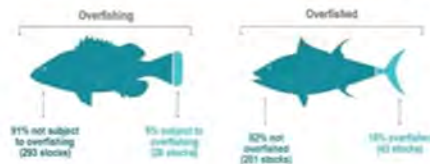
August 21, 2019 by Stephen Rappaport on Waterfront

Number of US fish stocks at sustainable levels remains near record high

by NOAA Headquarters



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Of 321 stocks with known status, 293 (91%) are not subject to...

NOAA reports indicate U.S. fisheries sustainable, robust economically

By Chris Chase
July 28, 2020

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Menu

NEWS

NOAA Announces Regions for First Two Aquaculture Opportunity Areas under Executive Order on Seafood

August 20, 2020

US West Coast rockfish recovery hailed as success story

By Ben Fisher
January 29, 2020

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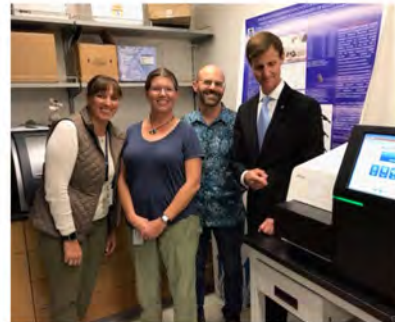
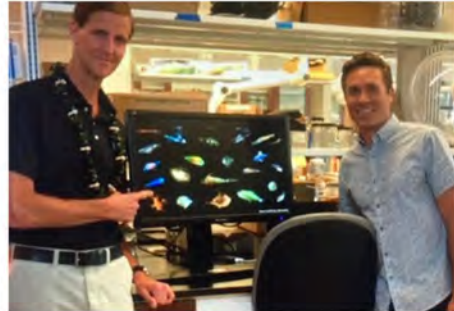
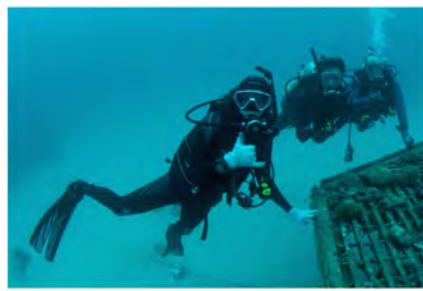
Overfishing in U.S. Reaches All-Time Low, NOAA Says

by Nicholas Reimann, Forbes [@](#) July 31, 2020



While overfishing continues to remain a serious problem globally, its rate in the U.S. has reached an all-time low, according to

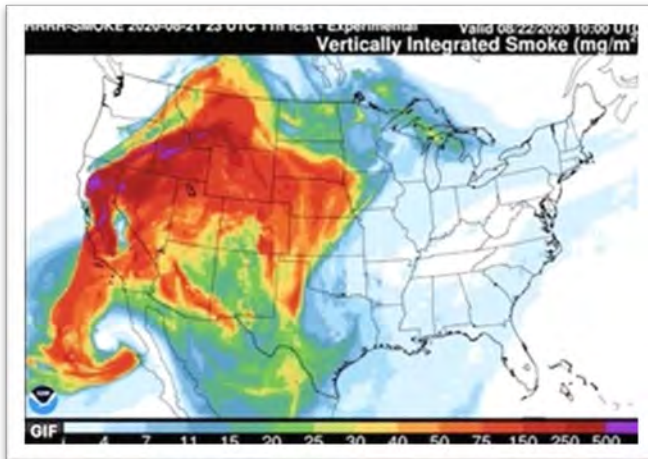
the National Oceanic and Atmospheric Administration, which said the outlooks for fish populations "continue to be strong, successful and achieving long-term sustainability goals."







OAR



NOAA finds rising emissions of ozone-destroying chemical banned by Montreal Protocol

UNIVERSITY OF COLORADO AT BOULDER



NOAA ramps up use of drones to collect fish, seafloor and weather data

Unmanned systems helping fill scientific data gaps during COVID-19

NOAA launches 'the next Lewis and Clark expedition'

Rob Hotakainen, E&E News reporter • Published: Friday, January 3, 2020



NOAA's research ship Okeanos Explorer helps the agency explore the depths of the ocean, NOAA

With little fanfare, President Trump in November declared the United States would "act boldly" on a gigantic task: mapping a chunk of ocean floor that's

NOAA scientists discover a new species of a gelatinous animal in the waters near Puerto Rico

By Lauren M. Johnson, CNN

Updated 6:52 PM EST, Sat November 28, 2020



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OMAO

NOAA sent its first all-female crew on a recon mission to track Hurricane Dorian

Susanna Heller

Aug 30, 2019, 11:23 AM



Weather +

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Two new oceanographic vessels will join the NOAA fleet

Research Marine & Aviation



AIRCRAFT

NOAA Orders Gulfstream G550 For Hurricane Hunter Fleet

The new jet will join a fleet of nine aircraft.



Weather +

Home / News & Features

New NOAA program to support and expand agency's use of unmanned systems

Mission & Rotation | Unmanned aircraft

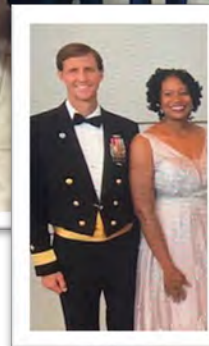


NOAA, U.S. Navy agreement will increase Nation's operations of unmanned maritime systems worldwide





Science & Technology Teams



Deputy UNSEC for Operations



2020 Atlantic Hurricane Season *by the numbers*



13
Hurricanes
Average season
has six.

6
Major
hurricanes
Average season
has three

12
Storms hit the
U.S. coastline,
(5 of which came
ashore in Louisiana)
Previous record: 9 in 1996

10
Named storms
that formed in
September
Most for any month on record

10
Rapidly intensifying
storms sampled
by NOAA and the
U.S. Air Force

30
Named storms

Artur	Paulette
Bartha	Rene
Cristobal	Sally
Dolly	Teddy
Edouard	Vicky
Fay	Wilfred
Gonzalo	Alpha
Hanna	Beta
Isaias	Gamma
Josephine	Delta
Kyle	Epsilon
Laura	Zeta
Marco	Eti
Nana	Theta
Omar	Iota



NOAA Hurricane Hunters

86
Missions conducted

102
Hurricane eyewall passages

678
Flight hours

1,772
Dropsondes deployed
to gather vital atmospheric data



NOAA underwater
hurricane gliders

47
Glider deployments

13,272
Gathered observations

179,401
Temperature and
salinity profiles
These help improve forecasts for
current storms

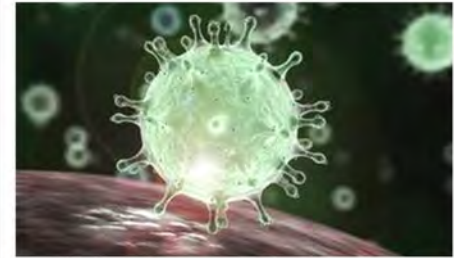
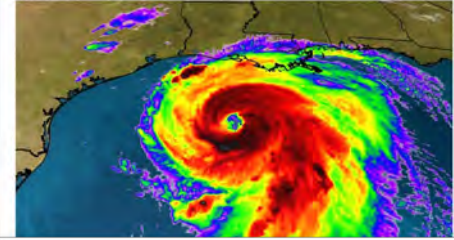
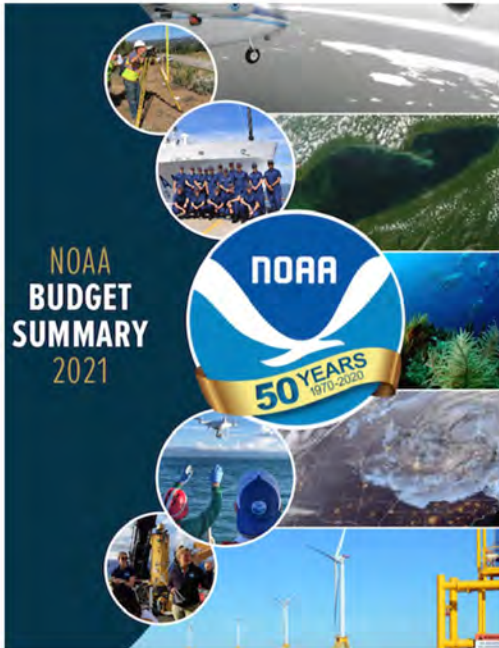


16
NOAA weather
satellites in operation

5th
consecutive
above-normal season
Previous record: 4 from 1998 to 2001

86
Facebook Live
broadcasts
from the National Hurricane Center

Office of the Chief Financial Officer



**Study: America's
'Blue Economy'
Worth \$373 Billion
in 2018**



Acquisition and Grants Office

OCEAN

NOAA Awards Millions Of Dollars In Grants To Clean Up Marine Debris



 **SPACE**NEWS

Southwest Research Institute wins NOAA contract to build space weather instrument

by Debra Werner — July 2, 2020



 MENU



Weather +

Home / News & Features

AI agreement to enhance environmental monitoring, weather prediction

NOAA and Google announce new data partnership



Office of the Chief Information Officer



NOAA Leans into the Cyber Storm – Optimizing Technology to Power Protection

Nearly two years into an ambitious overhaul of the National Oceanic and Atmospheric Administration (NOAA) Cyber Security Center (NCSC), brighter horizons are in sight for the agency in the form of improved cyber analytics capabilities. From the start, NOAA took a holistic approach to the NCSC transformation that encompasses people, process, and technology – in equal parts.



SD-WAN could get NOAA's network to zero trust

Amelia Brust

3 months ago



Office of the Chief Administrative Officer



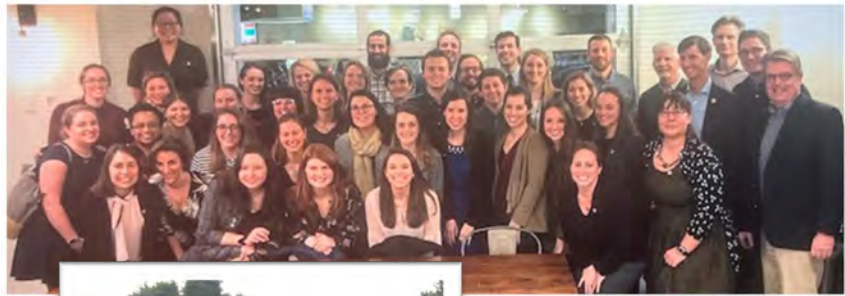
Office of Human Capital Services



NOAA OHCS



Office of Education



Office of Inclusion & Civil Rights



Office of the General Counsel



NOAA designates new national marine sanctuary in Maryland

Mallows Bay-Potomac River National Marine Sanctuary to protect World War I-era shipwrecks

Oceans & Coasts | Sanctuaries | [sanctuaries](#)

NOAA Announces Formal Partnership With Schmidt Ocean Institute



OCEAN

OceanX To Collaborate With NOAA



NOAA teams with pioneering explorer to understand and map ocean depths

By National Oceanic and Atmospheric Administration on APRIL 7, 2020

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NOAA in court to stop Titanic salvage dive

By [Ben Finley](#)
Associated Press



Office of International Affairs



Office of Legislative Affairs



Office of Communications



Interview: RDML Gallaudet Steers NOAA's Path Toward Uncrewed Maritime Systems

Greg Trauthwein September 18, 2020



Probing the Unknown

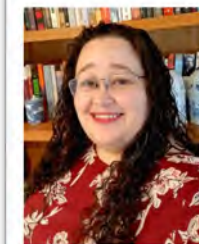
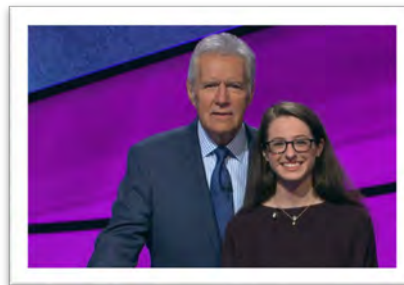
Probing the Unknown

NOAA partnerships and smart technology will map our understanding of the deepest and darkest ocean regions.

November 20, 2020



NOAA Libraries

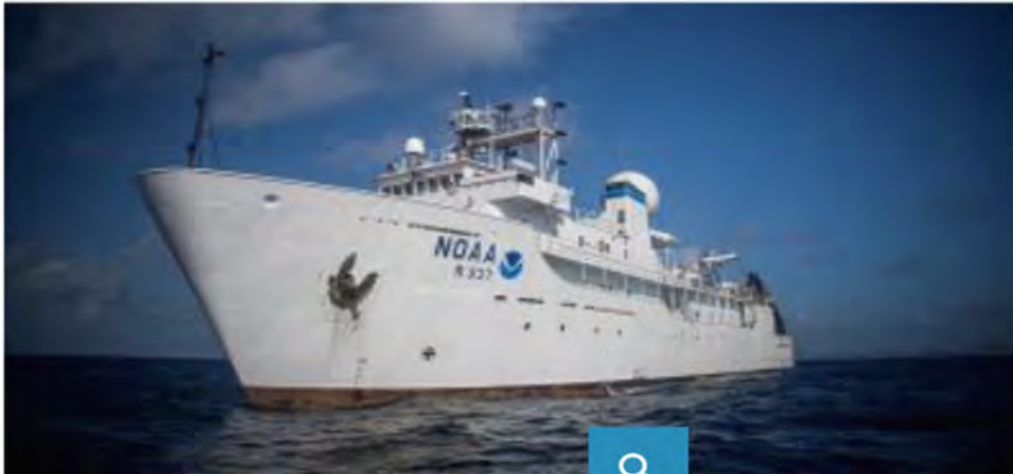


PCO, FLAGSEC, & Office of the UNSEC



News

NOAA Deputy Administrator: "I Wanna See a Kid With a NOAA Shirt" - 04/01/2020



Thank You!

