

**ESI 2022:**

# **Climate Change Resiliency**

**Bob Langston**

Sustainability and Conservation Outreach Coordinator

The North Carolina Zoo



# Executive Order NO. 80

North Carolina's Commitment to Address Climate Change and Transition  
to a Clean Energy Economy

<https://governor.nc.gov/media/967/open>





“Meeting the needs of the present without compromising the ability of future generations to meet their own needs”

*1987 United Nations Brundtland Commission*



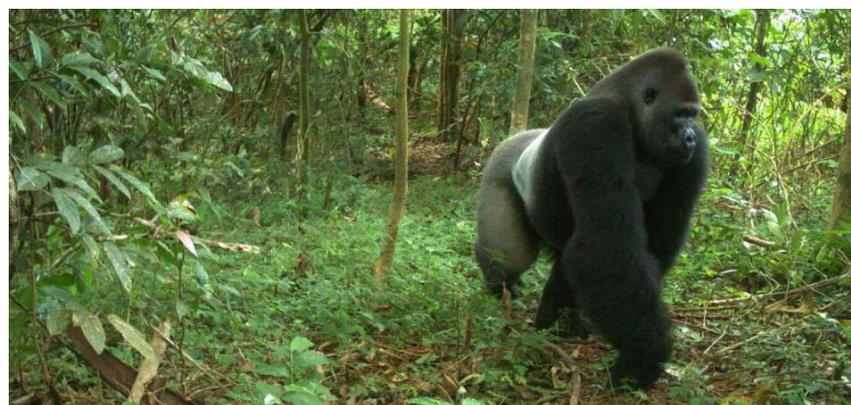
Photo Courtesy of [Newsweek Magazine](#) August 12, 2022

“Climate resilience is the ability to anticipate, prepare for, and respond to hazardous events, trends, or disturbances related to climate. Improving climate resilience involves assessing how climate change will create new, or alter current, climate-related risks, and taking steps to better cope with these risks.”

*The Center for Climate and Energy Solutions*



“The North Carolina Zoo is committed to protecting wildlife populations and their natural habitats”



# Coping with Risks Created by a Changing Climate

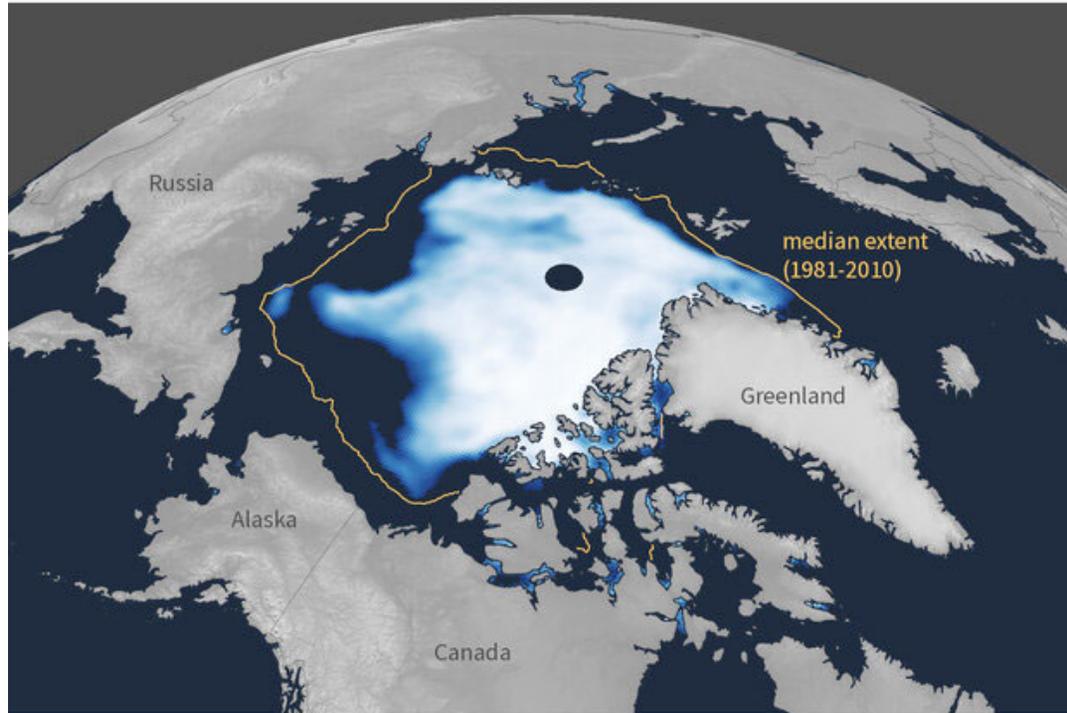


Graphic Courtesy of  
National Oceanic and Atmospheric Administration

North Carolina's Coast following a 12" Sea Level Rise



## 2022 SUMMER MINIMUM



September 2022



NOAA Climate.gov  
Data: NSIDC

Graphic Courtesy of  
[National Oceanic and Atmospheric Administration](https://www.noaa.gov)







NC DEPARTMENT OF  
NATURAL AND CULTURAL RESOURCES

**SIEMENS**

*Ingenuity for life*

SUD ASSOCIATES, P.A.  
CONSULTING ENGINEERS



North  
Carolina **ZOO**  










North Carolina  ZOO



North Carolina **ZOO**



North  
Carolina **ZOO**









North Carolina ZOO







# Thank You!