North Carolina Sentinel Landscape Committee



November 30, 2020

Agenda

2:00 pm	Welcome and Introduction ➢ Committee Member Roll Call ➢ Steve Troxler, Commissioner, NC Department of Agriculture & Consumer Services ➢ Ariel Aponte, Assistant Secretary, NC Department of Military and Veterans Affairs ➢ Reid Wilson, Deputy Secretary, NC Department of Natural and Cultural Resources ➢ Cameron Ingram, Executive Director, NC Wildlife Resources Commission ➢ Dr. Myron F. Floyd, Dean, College of Natural Resources, NCSU ➢ Chester Lowder, Sentinel Landscape Partnership Liaison	Steve Troxler Commissioner of Agriculture Veronica Jamison ADFP Trust Fund Office Manager
2:05 pm	Reading of Ethics Reminder ➢ ETHICS REMINDER: Under the State Government Ethics Act, the chairman is required to remind all members of their duty to avoid conflicts of interest or appearances of conflicts of interest. If you have any conflict or appearance of conflict of interest with respect to any item on the agenda, please state this for the record and refrain from inappropriate participation on that item.	Steve Troxler Commissioner of Agriculture
2:06 pm	Approval of Minutes for June 10, 2020	Steve Troxler Commissioner of Agriculture
2:10 pm	Committee Member Reports Pertaining to NC Sentinel Landscape Activities ➢ NCDA&CS Report ➢ NC Department of Military and Veterans Affairs Report ➢ NC Department of Natural and Cultural Resources Report ➢ NC Wildlife Resources Commission Report ➢ College of Natural Resources - NCSU Report ➢ Sentinel Landscape Partnership Report	Dewitt Hardee Farmland Preservation Director Ariel Aponte Assistant Secretary Walter Clark CWMTF Executive Director Cameron Ingram Executive Director Dr. Myron F. Floyd Dean Chester Lowder Sentinel Landscape Partnership Liaison

Agenda, Cont.

2:50 pm	Review of the 2020 NC Sentinel Landscape Committee Report	Evan Davis Farmland Preservation Assistant Director
2:55 pm	Spaces Between the Bases Report	Chester Lowder Dr. Mary Lou Addor NC Sentinel Landscape Partnership
3:05 pm	NC Working and Natural Lands – Resilience Aspect	Misty Buchanan Deputy Director for Natural Heritage Division of Land and Water Stewardship, DNCR
3:20 pm	Camp Butner – Sentinel Recognition Update	Chester Lowder Sentinel Landscape Partnership Liaison
3:30 pm	Additional Sentinel Landscape Committee Business Items	Steve Troxler Commissioner of Agriculture
3:35 pm	Public Comments	Public Attendees
3:40 pm	Next Meeting, Assignments & Adjournment	Steve Troxler Commissioner of Agriculture

Committee Member Roll Call

- **Steve Troxler**, Commissioner, NC Department of Agriculture & Consumer Services
- **Ariel Aponte**, Assistant Secretary, NC Department of Military and Veterans Affairs
- **Reid Wilson**, Deputy Secretary, NC Department of Natural and Cultural Resources
- **Cameron Ingram**, Executive Director, NC Wildlife Resources Commission
- **Dr. Myron F. Floyd**, Dean, College of Natural Resources-NCSU
- **Chester Lowder**, Sentinel Landscape Partnership Liaison

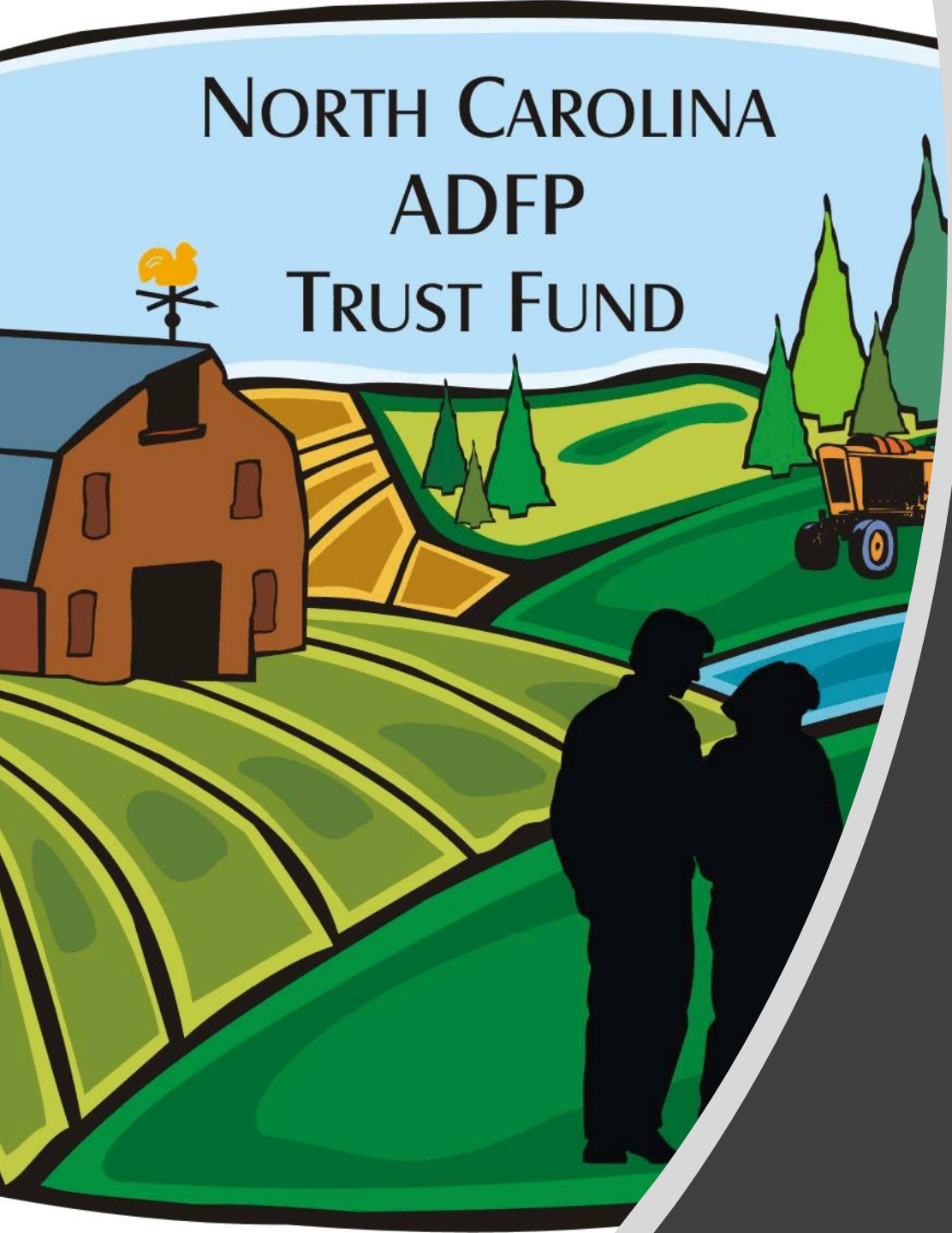
Ethics Reminder

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Approval of Minutes

- June 10, 2020

NCDA&CS ENCSL Program Updates



Overview of ADFPTF Funding, Contracts, Easements, & Staffing

Dewitt Hardee,
Director



North Carolina Agricultural Development & Farmland Protection Program

- House Bill 607 established the NC ADFP Trust Fund in 2005.
- To Fund Projects to Encourage the Preservation of Qualifying Agricultural, Horticultural, and Forestlands to Foster the Growth, Development, and Sustainability of Family Farms
- Established Trust Fund Advisory Committee to Advise the Commissioner of Agriculture
- Fund Conservation Easements
- Fund Agricultural Plans & Development Projects
- Eligible Grantees
  - Non-Profit Conservation Organizations
  - Counties

ADFP Trust Fund Advisory Committee

Chairman Steve Troxler, Commissioner of Agriculture

Farmers:

- **William Holbrook**, Farmer – Appointed by the Senate President Pro Tempore
- **Tom Sephton**, Farmer – Appointed by the Speaker of the House
- **Stuart Pierce**, Farmer – Appointed by Governor

Agencies / Universities:

- **Ted Godwin**, North Carolina Association of County Commissioners – Johnston County Commissioner
- **Jimmy Johnson**, N.C. Department of Environmental Quality
- **Dr. Mike Yoder**, College of Agriculture and Life Sciences, N.C.S.U
- **Dr. Mohamed Ahmedna**, College of Agriculture and Environmental Sciences, N.C. A&T State University
- **Tony Copeland**, Secretary of Commerce

Agricultural Organizations:

- **Jimmy Gentry**, NC State Grange
- **John Hatcher**, N.C. Forestry Association
- **Myles Payne**, N.C. Association of Soil and Water Conservation Districts
- **Kelli Dale**, Rural Advancement Foundation International - USA
- **Rusty Painter**, Conservation Trust for North Carolina
- **Erica Peterson**, N.C. Agribusiness Council
- **Darrell K. Tennie**, Black Farmers and Agriculturalists Association
- **Steve Woodson**, N.C. Farm Bureau
- Vacant, NC Rural Economic Development Center

ADFPTF Preservation Conservation Easement Stats 11-17-2020

- Recorded easement acres – 24,631
  - Since creation in 2005
    - 20,501
  - Prior to 2005
    - 4,130

- Acres under contract for a conservation easement
  - 20,129

- Acres under option for a conservation easement
  - 38,129

General Appropriations

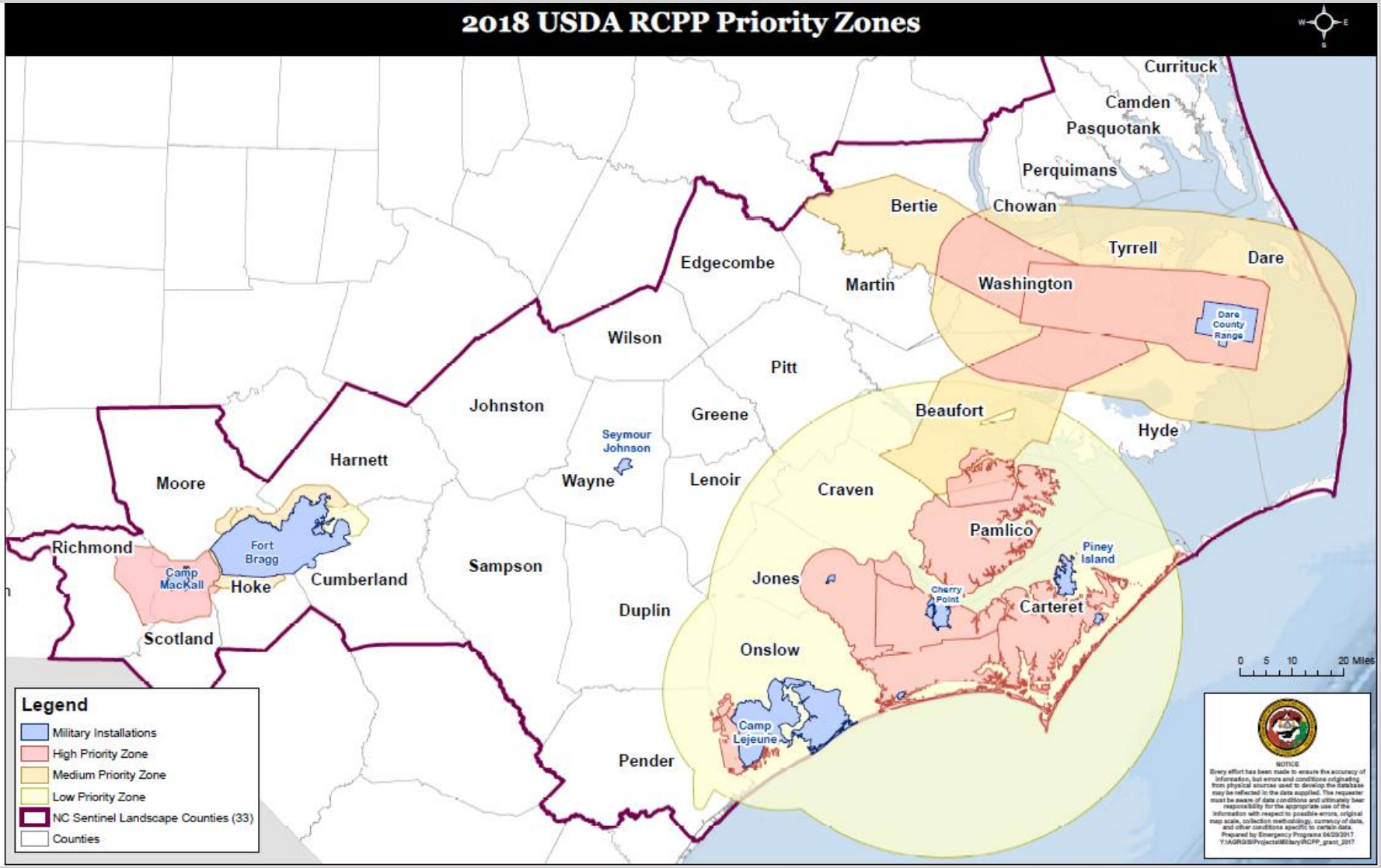
ADFP Trust Fund	
Budget Year 2020-21	
$ 4,325,708.00	Appropriation
$ 572,733.70	2019-20 Carry Over
$ 4,898,441.70	
$ 1,000,000.00	Less Military Funding
$ 380,862.77	Less Administrative Costs for 2020-21
$ 3,517,578.93	Funding Admen & Cycle XIII Contracts

NCMAC and NCDA&CS MOU Funding (2 Year Funding) July - September Report

Project	YTD Expenses	Balance
NCDA Outreach	$42,859.33	$107,140.67
NCSU Project	$48,749.17	$31,250.83
NCFSWC Project	$29,361.41	$40,638.59
TOTAL	**$120,969.91**	**$179,030.09**

NCMAC/NCDA MOU	Appropriated Funding
MOU dated 8/31/2018	$150,000.00
MOU dated 11/13/2019	$150,000.00
TOTAL	**$300,000.00**
Less Expenses	-$120,969.91
Balance 11/1/2020	**$179,030.09**

Military Partnership Conservation Focus Area



Partnership Related Funding Overview as of 11-1-2020				
	Resource Amount	**Expenditures**	**Contracted**	**Balance**
ADFPTF				
2014-15 GA	$1,000,000			
2015-16 GA	$1,000,000			
2016-17 GA	$2,000,000			
2017-18 GA	$1,000,000			
2018-19 GA	$1,000,000			
2018-19 GA one-time $13 million (2018 RCPP)	$8,128,955			
2019-20 GA	$1,000,000			
2020-210 GA	$1,000,000			
SL 2020-44		$1,217,088		
ADFPTF Grant Cycle XI ALE Projects			$1,555,897	
ADFPTF Grant Cycle XII ALE Projects			$3,113,552	
McDonald Farm Easement		$84,500		
R & M Properties of Hyde County		$409,684		
John W & Ingrid P. McAden		$388,035		
2019 NAVY / ADFPTF Contracts			$860,479	
2018 RCPP/NAVY/ADFPTF Contracts			$110,637	
2016 RCPP / USAF / ADFPTF Contracts		$892,431		
2018 USAF /ADFPTF Contracts with WLT			$133,473	
2018 RCPP/USAF/ ADFPTF Contracts			$3,324,956	
2019 USAF /ADFPTF Contracts			$2,293,116	
Shephard Land Parcel Appraisal		$7,410		
FY 2020 USAF/ADFPTF Contracts			$1,737,698	
FY 2020 Navy/ ADFPTF Contracts				
Totals	$16,128,955	$2,999,147	$13,129,807	$0

Military Partnership Funding as of 11-1-2020				
	Resource Amount	Expenditures	Contracted	Balance
USAF- NCDACS Cooperative Agreement				
FY 15	$ 1,263,000			
FY 16	$ 1,766,270			
FY 17	$ 3,400,000			
FY 18	$ 1,500,000			
FY 19	$ 500,000			
FY 20	$ 750,000			
R & M Properties of Hyde County		$ 409,684		
John W & Ingrid P. McAden		$ 388,035		
2016 RCPP / USAF / ADFPTF Contracts		$ 2,053,646		
2019 USAF /ADFPTF Contracts			$ 1,174,116	
2020 USAF/ADFPTF Contracts			$ 1,737,698	
2018 RCPP/USAF/ ADFPTF Contracts			$ 3,324,956	
Totals	**$ 9,179,270**	**$ 2,851,364**	**$ 6,236,770**	**$ 91,136**
NAVY-NCDA&CS Encroachment Protection Agreement				
FY 18 NAVY -NCDA&CS	$ 1,138,101			
2018 RCPP/NAVY/ADFPTF Contracts			$ 110,637	
FY 19 NAVY / ADFPTF Contracts			$ 860,479	
FY 2020 Navy/ ADFPTF Contracts				
2020 Amendment 1 for Contract N40085-18-RP-00202.	$ 2,770,000		$ 1,576,492	
Totals	**$ 3,908,101**	**$ -**	**$ 2,547,608**	**$ 1,360,493**
Military Partnership Funding Total	**$ 13,087,371**	**$ 2,851,364**	**$ 8,784,378**	**$ 1,451,629**

USDA NRCS RCPP Partnership Funding Overview as of 11-1-2020				
	Resource Amount	Expenditures	Contracted or Selected for Contracting	Balance
USDA NRCS ALE				
2016 RCPP	$ 1,162,570			
2018 RCPP	$ 5,620,000			
2016 RCPP / USAF / ADFPTF Contracts		$ 1,161,215		
2018 RCPP/NAVY/ADFPTF Contracts			$ 164,751	
2018 RCPP/USAF/ ADFPTF Contracts			$ 5,388,949	
2019 RCPP (Preserving Upriver Farms)	$ 8,506,494			
Totals	**$ 15,289,064**	**$ 1,161,215**	**$ 5,553,700**	**$ 8,574,149**

Partnership Related Funding Overview as of 11-1-2020				
	Resource Amount	**Expenditures**	**Contracted**	**Balance**
Military	$13,087,371	$2,851,364	$8,784,378	$1,451,629
NC ADFPTF Military Funds	$8,000,000	$2,999,147	$13,129,807	-$8,128,955
Funding From $13 million	$8,128,955			$0
USDA NRCS ALE	$6,782,570	$1,161,215	$5,553,700	$0
Military Partneship Funding	$35,998,896	$5,850,512	$21,914,185	-$6,677,326

* The negative $6,677,326 is due to ADFPTF fronting military contract funding for : $8,784,378

Partnership Grant Applications

- ❑ 2020 NC Department of Justice Environmental Enhancement Grant (EEG) Program
  - Two easements in MICEAST [illegible]egion (Waller Brothers and Spring Creek Farms)
  - One easement in SJAFB p[illegible]ority region (Kilkenny Farm)
  - Matching funds for 2019 RCPP Award for Cape Fear River Basin

- ❑ 2020 Department of Defense Readiness and Environmental Protection Integration (REPI) Challenge
  - $11 million proposal ($10 million for easement acquisition)
    - 17,418 acres of farm and forestland in SJAFB and MCIEAST priority regions
    - Living Shoreline

  - Only received award of $1 million for living shoreline - MCIEAST

New Military Perpetual Easement Contracts

October 1, 2020 – September 30, 2022

Project Name	Grantee	Grant Amount	Acres	County	Branch
Linden Carolina Farm	Working Lands Trust	$1,018,489.00	737.24	Washington	USAF
Columbia NC Farms	Working Lands Trust	$719,209.00	679.17	Washington	USAF
Spring Creek Farm 552 acre	Working Lands Trust	$353,050.00	552	Pamlico	Navy
Spring Creek Farm 599 acre	Working Lands Trust	$382,125.00	599	Pamlico	Navy
Spring Creek Farm 14.58 acre	Working Lands Trust	$20,594.00	14.58	Pamlico	Navy
Spring Creek Farm 1308 acre	Working Lands Trust	$820,723.00	1308	Pamlico	Navy

20-2021 Partnership Grant Applications Planned

- 2021 DOD REPI Challenge
  - Conservation Easements (Resilience Based)
    - USAF
    - MCIEAST- NAVY
    - US ARMY (not likely – No Encroachment Protection Agreement with NCDA&CS)
      - Recommend an Encroachment Protection Agreement to participate in the 2019 RCPP (Preserving Upriver Farms) for $8.5 million to match REPI Funding

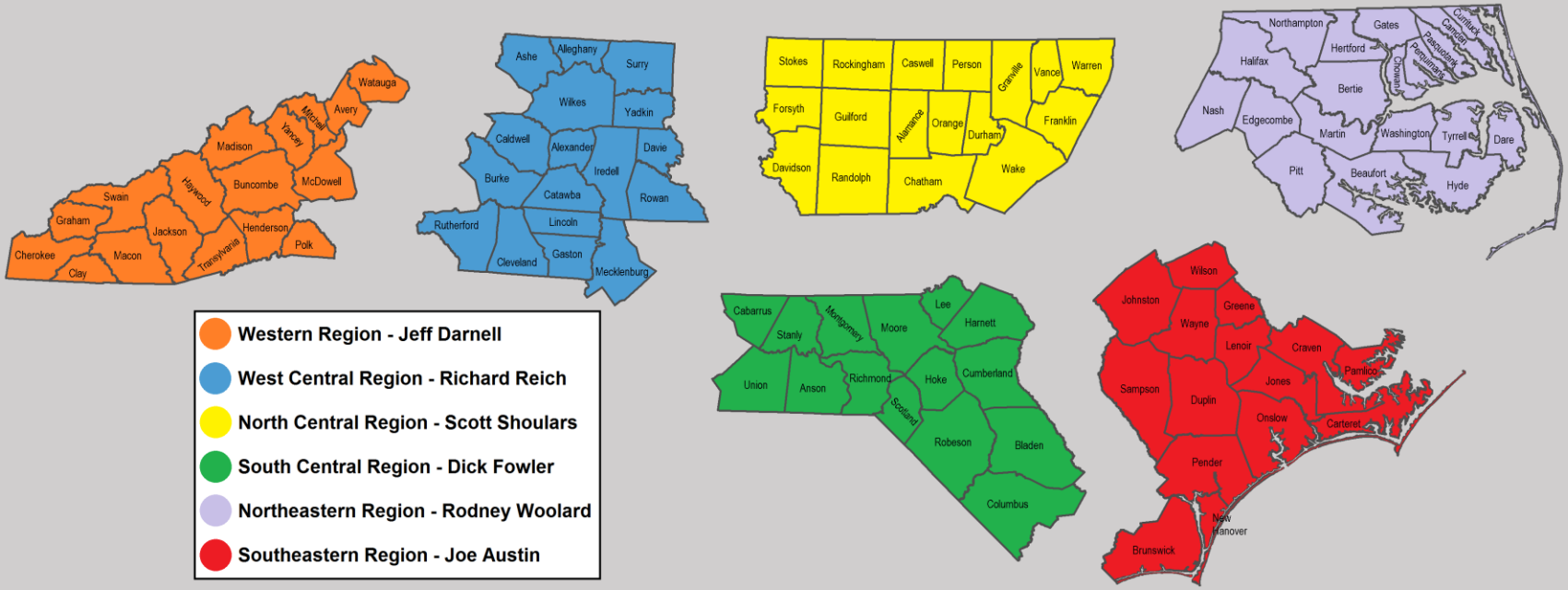
- 2021 USDA NRCS RCPP
  - Preserving Upriver Farms to Reduce Flooding in NC – Phase II – Upper Neuse River Basin

ADFPTF Conservation Easements Projects With Associated Military Funding
11-1-2020

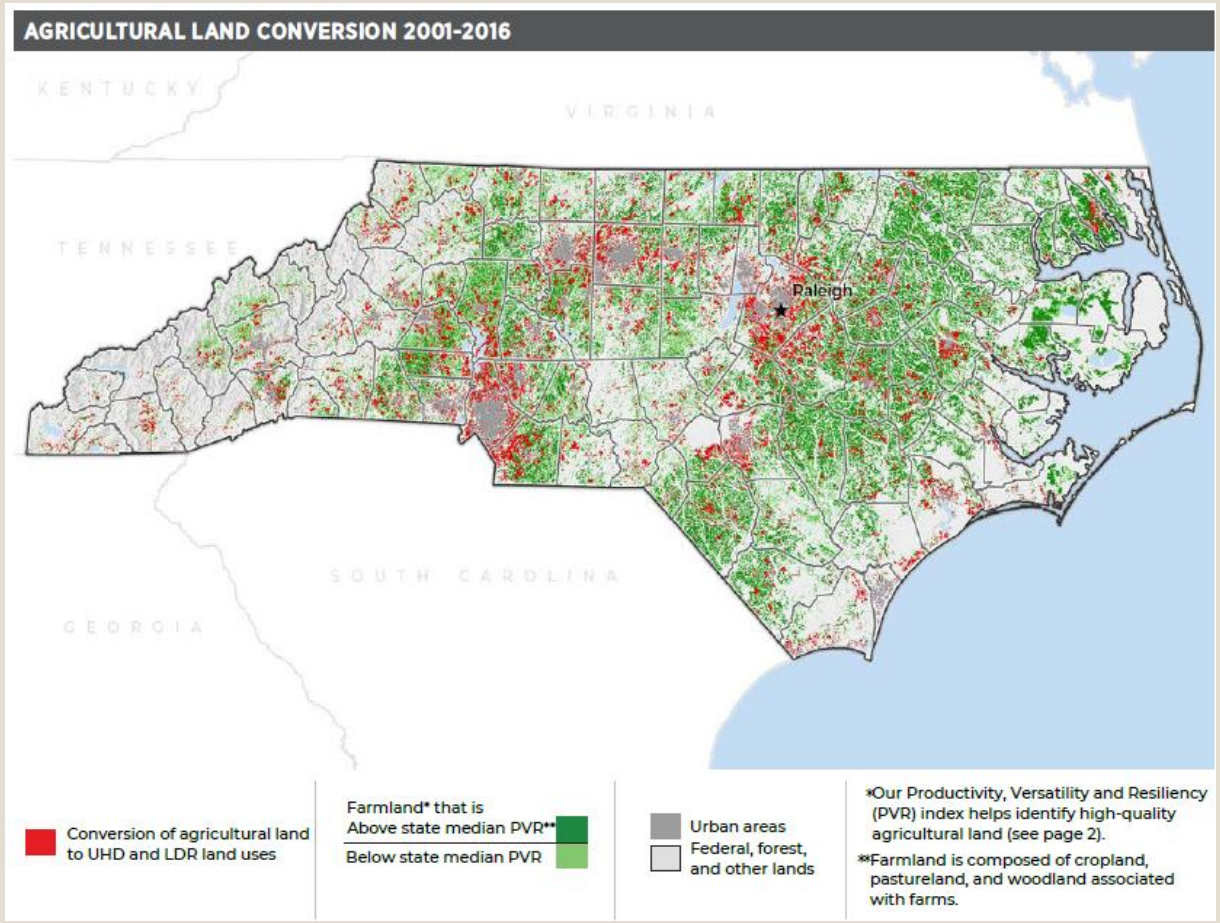
- Recorded Conservation Easements
  - 5 Easements
  - 2,037 acres
  - $5,850,512 (All Partner $)
  - USAF Funding
  - $5,850,512
- Active Contract Easement Projects
  - 25 Contract Projects
  - 13,293 acres
  - $21,914,185 (ADFPTF, ALE & Military $)
  - USAF– 12 Projects
  - MCI-EAST NAVY – 13 Projects

Statewide Farmland Preservation Action Plan

- Grant Cycle XIV Applications – Mid-October to Mid-December
- Maintain the 6 Regional Focus Area Concept
- Seek additional Partnership Funds – RCPP, REPI, EEG, etc.
- Focus the 3 ENCSL Region Field Staff on Landowner Outreach

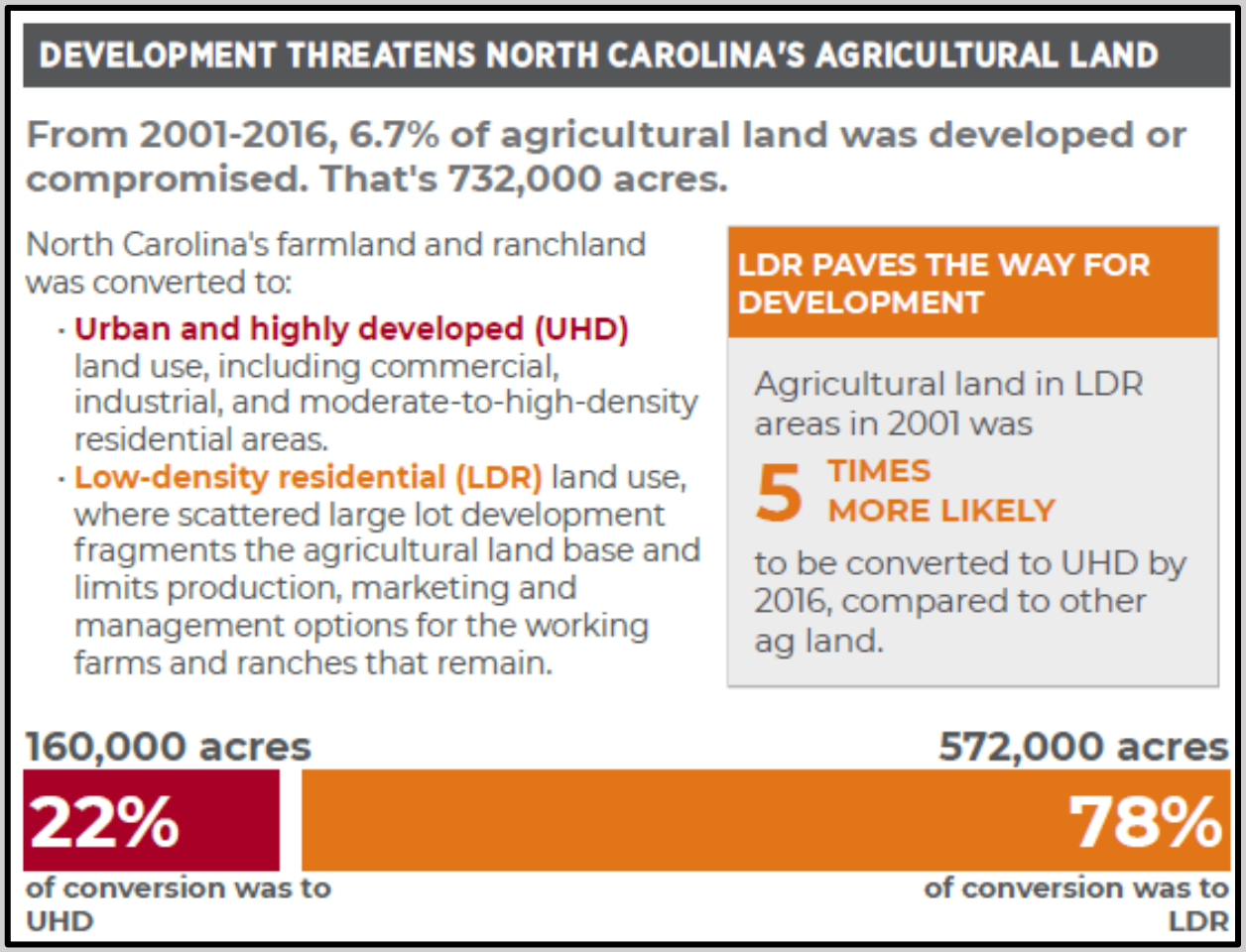


American Farmland Trust: New Farms Under Threat Data



- Download of AFT documents at www.ncadfp.org and click the preservation tab.

American Farmland Trust: New Farms Under Threat Data



	Acres			Percent	
1	TX	1,373,000	1	NJ	8.7
2	NC	732,000	2	NC	6 .7
3	TN	659,000	3	CT	6 .4
4	GA	544,000	4	DE	5.8
5	CA	466,000	5	RI	5.8
6	AL	362,000	6	MA	5.2
7	PA	347,000	7	TN	5.1
8	VA	340,000	8	SC	4.5
9	MS	336,000	9	GA	4 .4
10	MO	325,000	10	MD	4.3
11	OH	312,000	11	VA	4.0
12	FL	298,000	12	PA	3 .8

Table 4. Top 12 states for agricultural land converted to UHD and LDR uses from 2001-2016, by acres and percent. Percent refers to the percent of each state's agricultural land in 2001 converted to UHD and LDR land uses by 2016.

Source: farmland.org/farmsunderthreat

NC Department of Military and Veterans Affairs Report

1. COVID-19 Responses for Installations
2. Engagement with Fort Bragg
3. Engagement with Seymour Johnson
4. County of Scotland Zoning
5. Decommissioning Plan – Wyse Fork Solar Farm, LLC in Jones County

NC Department of Natural and Cultural Resources Report

NC Wildlife Resources Commission Report

College of Natural Resources-NCSU Report

Sentinel Landscape Partnership Report

NORTH CAROLINA SENTINEL LANDSCAPE COMMITTEE



2020 ANNUAL LEGISLATIVE REPORT

September 1, 2020

Agriculture Commissioner – Steve Troxler – Chair
Executive Director of the Wildlife Resources Commission – Gordon Myers – Vice Chair
Chief Deputy Secretary of Natural and Cultural Resources – D. Reid Wilson – Secretary
Assistant Secretary of Military and Veterans Affairs – Ariel Aponte
Dean of the College of Natural Resources at NC State University – Dr. Myron Floyd
Representative of the North Carolina Sentinel Landscape Partnership – Chester Lowder

Pursuant to Section 3.19.(f) of Senate Bill 131 / S.L. 2017-10 … The Committee shall report on its activities conducted to implement this section, including any findings, recommendations, and legislative proposals, to the North Carolina Military Affairs Commission and the Agriculture and Forestry Awareness Study Commission beginning September 1, 2017, and annually thereafter, until such time as the Committee completes its work.

Spaces Between the Bases Report



Natural and Working Lands Action Plan

Executive Order 80:
North Carolina's Commitment to Address Climate Change and Transition to a Clean Energy Economy

Misty Buchanan
Department of Natural and Cultural Resources

NC DEPARTMENT OF NATURAL AND CULTURAL RESOURCES

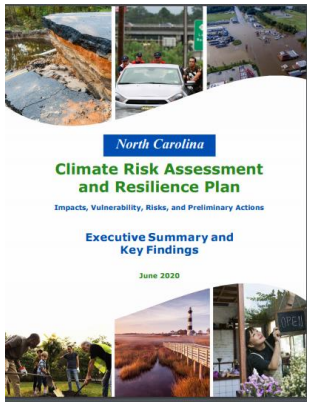


Benefits of Nature-Based Solutions

- Greenhouse Gas emissions mitigation / Carbon sequestration
- Economic opportunities for food/fiber producers and the rural workforce
- Communities develop long-term resilience,
- Improvement of water, air, soil and ecosystem quality
- Aesthetic natural beauty is maintained for recreation and tourism.

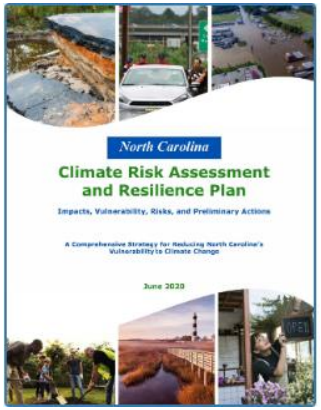
NC DEPARTMENT OF NATURAL AND CULTURAL RESOURCES

NC Climate Risk Assessment and Resilience Plan



Summary & Key Findings

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Main Report

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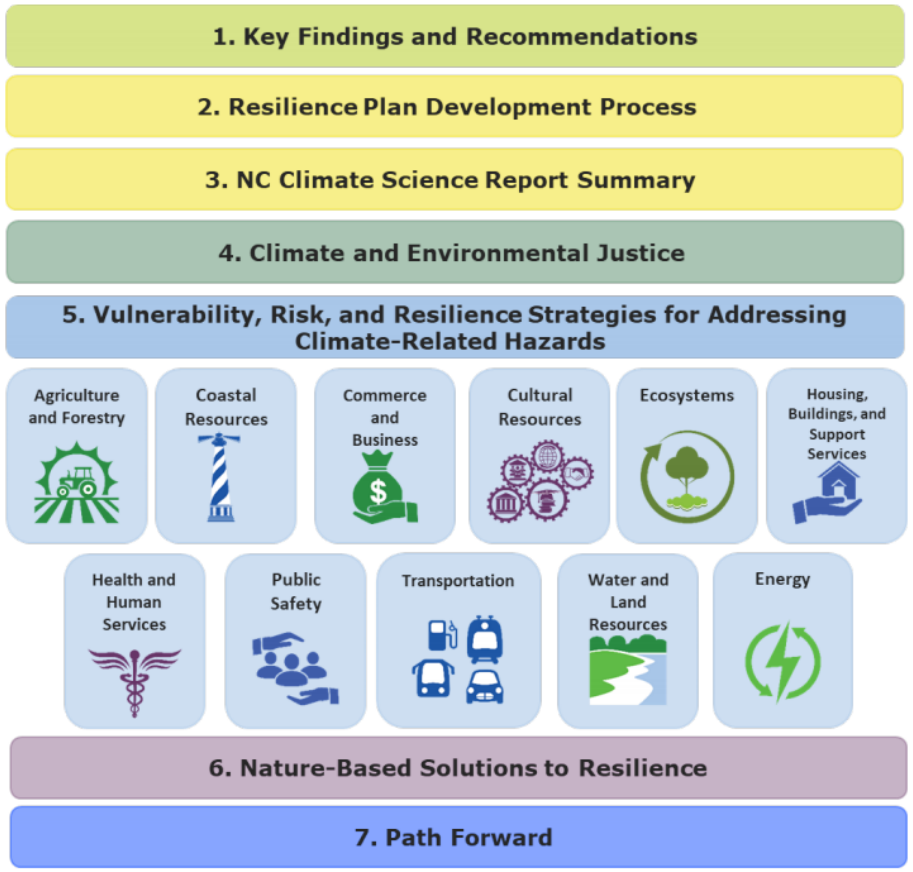
Appendix A: Climate Science Report

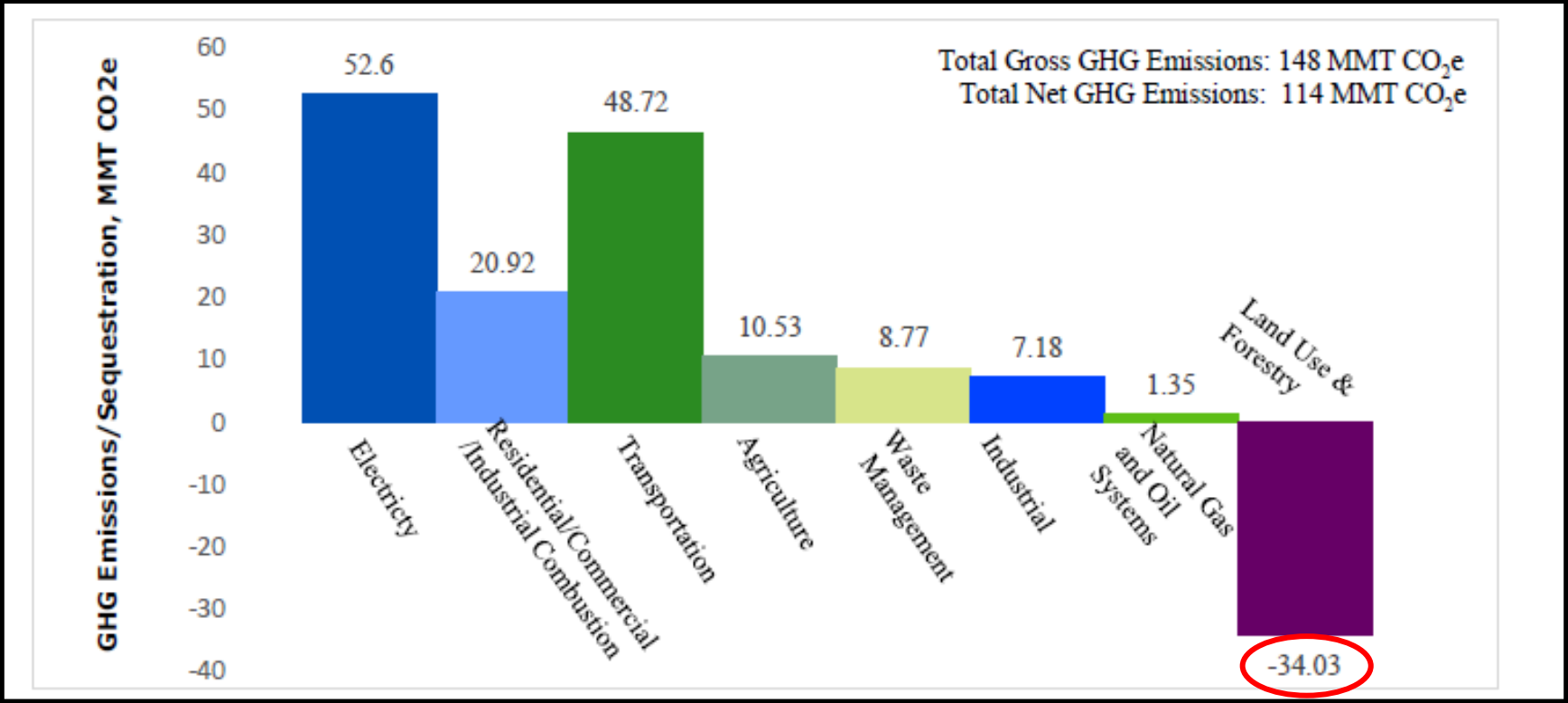
Appendix B: Natural and Working Lands Action Plan

Appendix C: Mountains and Piedmont Regional Workshop

Appendix D: Coastal Regional Workshop

NC Climate Risk Assessment and Resilience Plan Report Structure

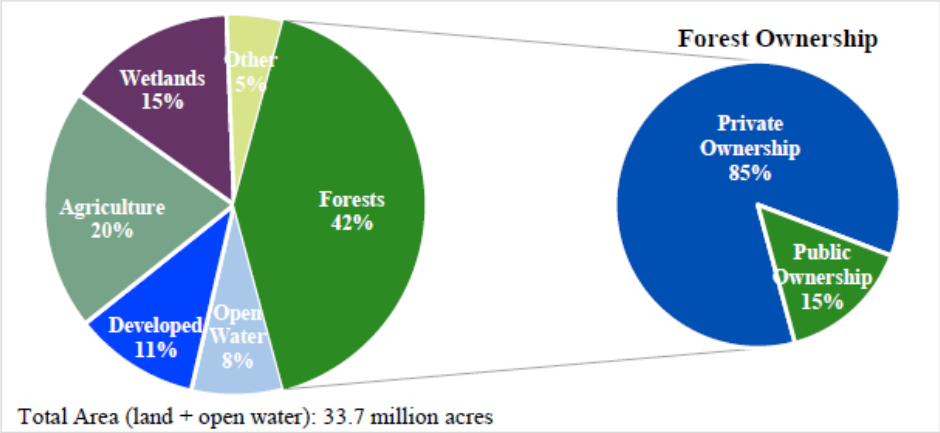




North Carolina GHG Emissions Inventory in MMT CO2e, 2017

NC DEPARTMENT OF NATURAL AND CULTURAL RESOURCES

Natural and Working Lands in North Carolina



Miles of Coastline and Rivers in North Carolina

Waterways	Length (miles)
Miles of Ocean Coastline	322
Miles of Estuarine Coastline	12,009
Miles of Rivers	37,853

NC DEPARTMENT OF NATURAL AND CULTURAL RESOURCES

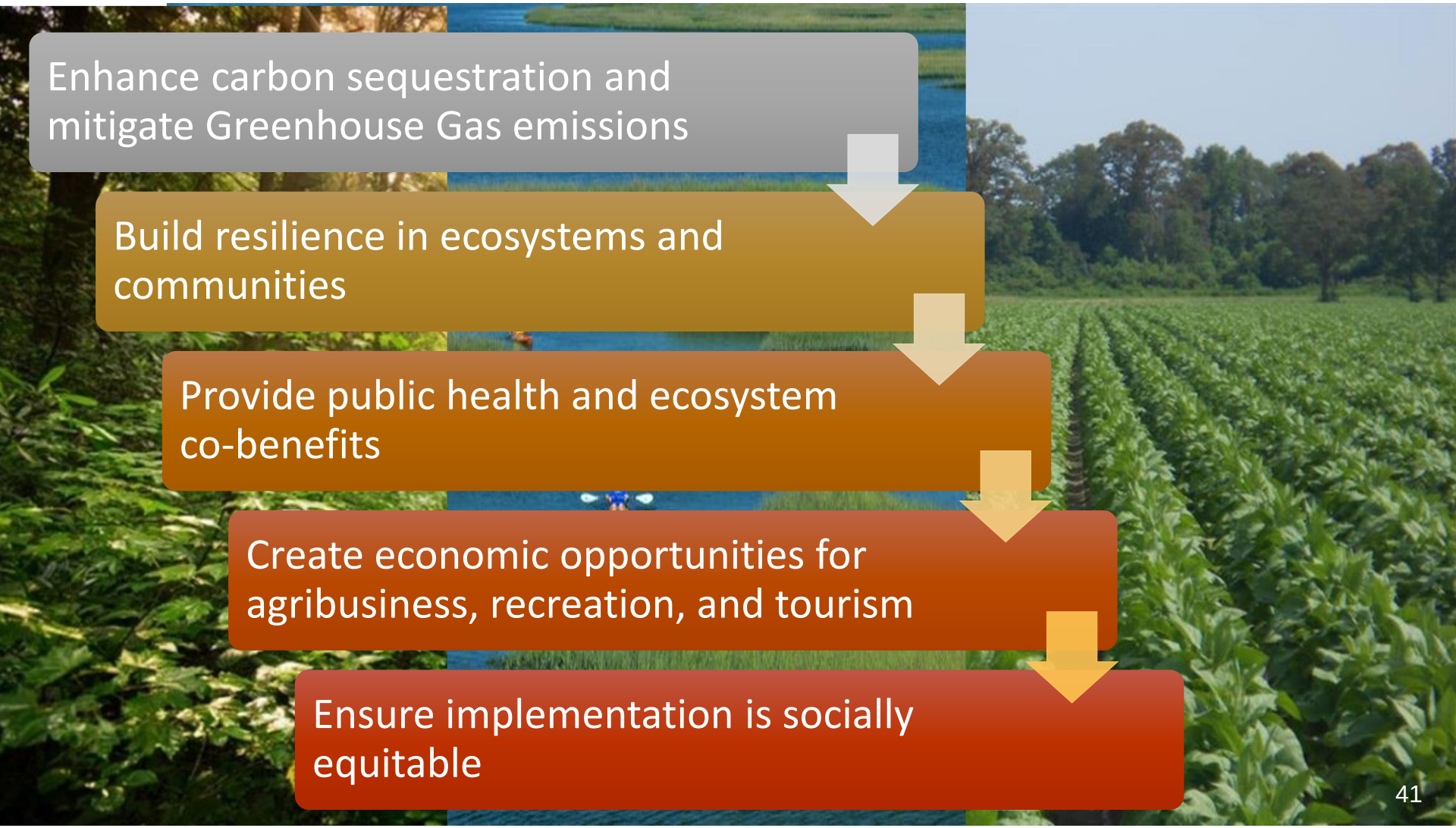
Benefits of natural and working lands

Natural and working lands are important to North Carolina's economy. North Carolina's gross state product is $538 billion. Natural and working lands and coastal habitats collectively produce more than 20% of that total:



Photo credits (left to right): Soil Science, Susie Blackmon, Alan Szalwinski, NC Wetlands. References 1, 2, 3, 4 (see credits section).

Natural and Working Lands Participating Stakeholders	
Albemarle-Pamlico National Estuary Partnership	NC Farm Bureau
Appalachian State University	NC DA&CS Forest Service
Audubon NC	NC DNCR Natural Heritage Program
Cape Fear River Assembly	NC Foundation for Soil and Water Conservation
Carolina Wetlands Association	NC Pork Council
City of Asheville	NC Sea Grant
City of Raleigh	NC Urban Forest Council
City Soil	NC Wildlife Resources Commission
Compass USA	NOAA National Ocean Service
Conservation Trust of NC	North Carolina Forestry Association
Cultivating Resilience, LLC	North Carolina State University
Defenders of Wildlife	Pine Creek Forestry
Dogwood Alliance	RTI International
Duke University - Nicholas Institute	Regenerative and Resilient, LLC
Enivronmental Defense Fund (EDF)	Resource Management Service (RMS)
NatureServe	The Nature Conservancy
NC A&T University	Town of Cary
NC Choices	Urban Offsets
NC Conservation Network	US Fish and Wildlife Service
NC Department of Agriculture	US Geological Survey
NC DEQ, Coastal Management	USDA Natural Resource Conservation Service
NC DEQ, Marine Fisheries	USDA SE Climate Hub
NC DEQ, Mitigation Services	Wake County


Enhance carbon sequestration and mitigate Greenhouse Gas emissions
Build resilience in ecosystems and communities
Provide public health and ecosystem co-benefits
Create economic opportunities for agribusiness, recreation, and tourism
Ensure implementation is socially equitable





Forestry

Floodplains & Wetlands

Pocosins

Coastal Habitats

Agriculture

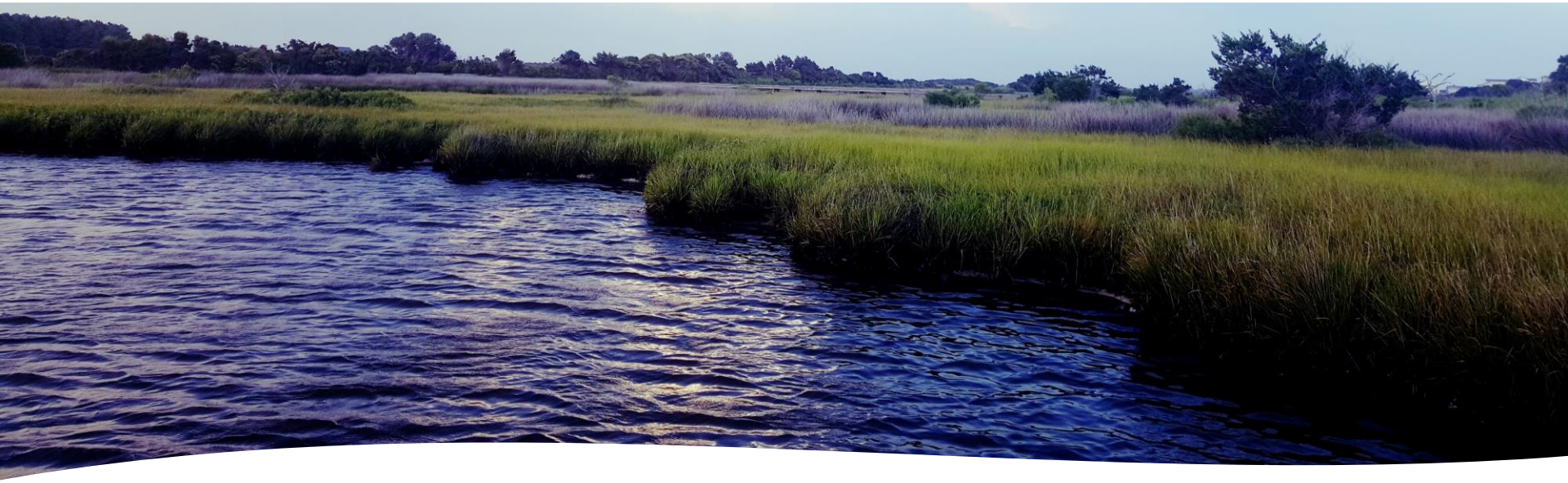
Urban Lands

Transformative Recommendations

1. Protect and restore forests and wetlands within **flood-prone areas.**
2. Facilitate voluntary landowner participation in **carbon offset and ecosystem services markets.**
3. Build a **multi-state toolbox** for Natural and Working Land solutions.
4. Integrate climate adaptation and resiliency strategies into **local government comprehensive plans**.



NC DEPARTMENT OF NATURAL AND CULTURAL RESOURCES



Coastal Habitats

Protect

Provide incentives coastal habitat protection.

Facilitate migration of coastal habitats through protection of migration corridors.

Restore

Prioritize climate change and sea level rise in coastal habitat restoration planning.

NC DEPARTMENT OF
NATURAL AND CULTURAL RESOURCES

Questions:

Misty Buchanan
Division of Land and Water Stewardship
Natural Heritage Program
Misty.Buchanan@ncdcr.gov

NORTH CAROLINA DEPARTMENT OF NATURAL & CULTURAL RESOURCES

NC Working and Natural Lands: Resilience Aspect

Camp Butner Sentinel Recognition Update

Additional Business Items



Public Comments



Next Meeting, Assignments, & Adjournment

