

NOTES FROM THE CHAIR

It is my honor to share the America's Longleaf Restoration Initiative's (ALRI) 2021 Accomplishment Report with you. I have long enjoyed this report as it is a snapshot in time, capturing the efforts of so many individuals and an opportunity to celebrate the years of planning and collaboration that has resulted in these accomplishments. That said, I want to begin this report by recognizing something that is more difficult to

quantify than acres, our network's passion.

As a young professional, I was drawn to longleaf restoration by professionals like Rhett Johnson and Dean Gjerstad, cofounders of The Longleaf Alliance, who were passionate about their work. Even today, I remain inspired and dedicated to this work due to the shared values of the many people supporting America's Longleaf. People like Kevin McIntyre with The Jones Center at Ichuaway who has been involved since inception and continues to volunteer his time to lead others in developing our next three-year strategic priorities and actions report. And people who I hardly knew like Rosalind Rowe who was fearless in speaking up and attracting the deserved attention to an overlooked area that is now recognized by ALRI as the Heartland Local Implementation Team. And especially to those who work tirelessly behind the scenes to keep the partnership motivated, focused and productive. These individuals never seek recognition and judge their success based on the recognition of those they support. They are selfless and priceless, and I am grateful to Stephanie Hertz, Kyle Jones, Ryan Bollinger and Nancy Walters.

Finally, I want to share how excited I am to be supporting our new leadership in Colette DeGarady as Chair and Carol Denhof as Chair-Elect. We are at a moment when the future of our collaborative is to be written and implemented by us, and us alone. We are fortunate to have the experience, knowledge, and leadership of these two professionals at this moment in time. There are so many people involved in this work, and it is

Chris Erwin never possible

to properly recognize the

community, but I certainly try to honor all involved in this great effort by continuing to tell the story of ALRI.

Turning to the accomplishments highlighted in this report, you will see we have accomplished 135,000 acres of longleaf established, 1.7 million acres maintained through prescribed fire, and 55,000 acres protected through conservation easements. These accomplishments would not have been possible without the support of private and public landowners and our federal, state, and private partners. On behalf of the Longleaf Partnership Council, thank you for every single effort of support this vast network has provided. From telling the longleaf story to working on a prescribed fire to improving the quality of longleaf habitat, every action is meaningful, adding up to the numbers you see in this report and keeping the efforts of America's Longleaf marching forward.

As the conservation community looks to partner more with the business community in solving our world's greatest environmental challenges, I believe our greatest challenge lies in communicating the value of nature and the cost of losing these important resources.

I am up to the challenge and hope this report will be an excellent communication tool for you. We welcome feedback on how we can better capture and share the associated values of America's Longleaf. Just as we must continually adapt to keep momentum toward achieving our restoration goals, we must also do the same to spread the word and celebrate the accomplishments and impacts of ALRI.

This report highlights ALRI's achievements for FY 2021 (October 1, 2020 to September 30, 2021) compiled from partners across the longleaf range. Annual accomplishment reporting is a vital tool for assessing the scale of on-the-ground work and measuring progress towards meeting the goals and priorities identified by the Range-wide Conservation Plan and Longleaf Partnership Council. It is a reflection on the collective efforts made by public and private partners to restore this iconic forest and highlights the benefits of longleaf to Southeastern communities.



BURNS



ESTABLISHED

In fiscal year 2021, 2.29 million acres of longleaf management activities were reported, a record achievement for longleaf partners. Since 2010, over 19.4 million acres* of longleaf management activities have been reported translating to positive outcomes for local economies, national defense, rare species, recreation, forest resiliency, wildfire risk, clean air and water, carbon sequestration, and climate change mitigation.

PUBLIC LANDS INITIATIVES

The USDA Forest Service Shared Stewardship concept is centered around effective collaboration that leads to achieving land management goals across boundaries. America's Longleaf has exemplified this for more than a decade and was included in the first America the Beautiful progress report as an example of successful landscape-level conservation.

PRIVATE LANDS INITIATIVES

The Sentinel Landscapes Partnership is a collaboration of federal agencies, state and local governments, and non-governmental organizations working to connect landowners near military installations with U.S. Department of Defense (DoD), Department of Agriculture (USDA), and Department of the Interior (DOI) resources to protect natural and working lands. The success in the Georgia Sentinel Landscape and others is expanding sustainable land management practices and inspiring future partnerships.

STRENGTHENING THE PARTNERSHIP

Longleaf for All utilizes ALRI's network and platform to increase minority participation in forestry-related programs, practices, and activities, and help landowners reap the economic, ecological, and cultural benefits of owning forested land. In 2021, the Longleaf for All working group produced a Barriers and Recommendations document detailing the challenges that face minority landowners, as well as guidance and action steps to address these challenges.

PROTECTED

By Matthew Vandersande, USDA Natural Resources Conservation Service

Connecting private landowners with opportunities to support their conservation goals is a hallmark of ALRI. Often these opportunities are specific financial or technical assistance from government agencies to a landowner. USDA programs such as the Environmental Quality Incentives Program (EQIP), Conservation Stewardship Program (CSP), Conservation Reserve Program (CRP), Conservation Reserve Enhancement Program (CREP), and Forest Stewardship Program (FSP) are a few of the most common, but sometimes the opportunity is part of a larger crossboundary project spanning jurisdictional borders with a shared set of goals. By working together, cross-boundary projects can achieve greater beneficial resource outcomes more efficiently. For example, the Sentinel Landscapes Partnership is a collaboration of federal agencies, state and local governments, and nongovernmental organizations. The partnership connects neighboring landowners near military installations with DoD, USDA, and DOI resources to protect natural and working lands and advance sustainable land management practices.

STRENGTHENING SENTINEL LANDSCAPES -THE BEST DEFENSE IS A GOOD OFFENSE

By Susan French, The Longleaf Alliance

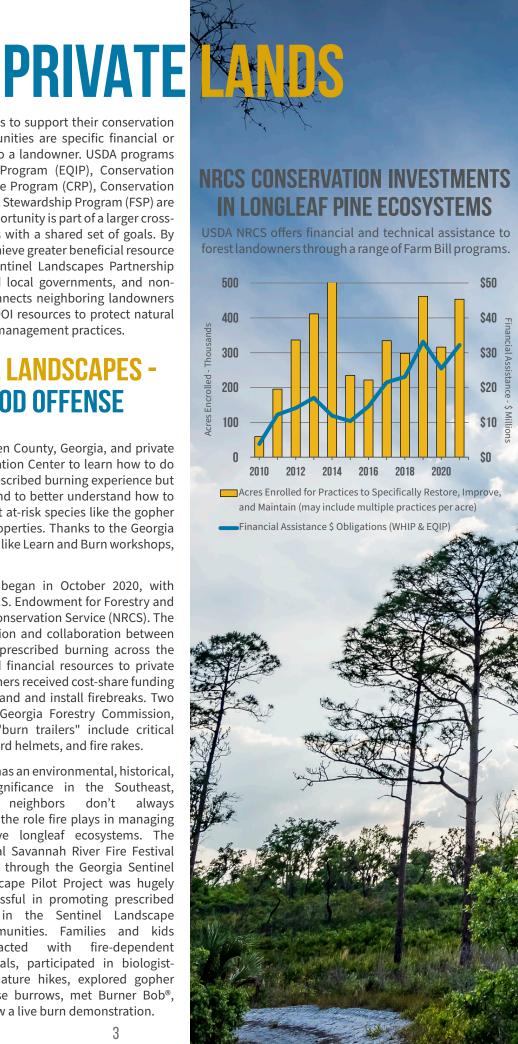
Photo by Susan French

It was a beautiful day to burn the woods in Berrien County, Georgia, and private landowners gathered at the Gaskins Forest Education Center to learn how to do just that. Most of those present had little to no prescribed burning experience but were excited to get a drip torch or fire rake in hand to better understand how to utilize burning to improve wildlife habitat, benefit at-risk species like the gopher tortoise, and reduce wildfire risk on their own properties. Thanks to the Georgia Sentinel Landscape Pilot Project, and other efforts like Learn and Burn workshops, prescribed burning on private lands is taking off.

The Georgia Sentinel Landscape Pilot Project began in October 2020, with funding and support from the DoD, through the U.S. Endowment for Forestry and Communities, and the USDA Natural Resources Conservation Service (NRCS). The pilot project's goals are to increase communication and collaboration between agencies and private landowners and increase prescribed burning across the landscape by providing additional technical and financial resources to private landowners. In the project's first year, 118 landowners received cost-share funding to burn more than 10,000 acres of private forestland and install firebreaks. Two mobile prescribed fire units, housed with the Georgia Forestry Commission, became available for landowner use: these "burn trailers" include critical prescribed fire equipment such as drip torches, hard helmets, and fire rakes.

> While prescribed fire has an environmental, historical, and cultural significance in the Southeast, landowners' neighbors don't understand the role fire plays in managing our native longleaf ecosystems. The inaugural Savannah River Fire Festival funded through the Georgia Sentinel

Landscape Pilot Project was hugely successful in promoting prescribed fire in the Sentinel Landscape communities. Families and kids interacted with fire-dependent animals, participated in biologistled nature hikes, explored gopher tortoise burrows, met Burner Bob®, and saw a live burn demonstration.





By Colette DeGarady, The Nature Conservancy, & Hannah Sodolak, Texas A&M Natural Resources Institute



SUCCESSFUL ELEMENTS OF COLLABORATION **HELPING AMERICA'S LONGLEAF THRIVE**

- + **Shared Vision** Partners must understand and be invested in a shared vision.
- + Commitment and Focus of Partners Consistent and appropriate time and resource investment is needed to maintain momentum.
- + Working at Different Scales Understanding the opportunities and challenges on the ground while planning and enabling the work at various scales is critical.
- Organized Collaboration Details matter. Make sure to enlist those that facilitate meetings, maintain records, and create conditions to ease participation by partners.
- Measuring Outcomes Collecting data and metrics accomplished are essential to understanding if strategies and actions are working, as well as storytelling and fundraising.
- + Adaptive Management Reviewing measures and learning from successes and failures help the collaborative make necessary adjustments to accomplish
- Sharing and Celebrating Success When successes are shared and celebrated across partners, this facilitates trust, kinship, engagement, and enthusiasm by partners (and newcomers).
- **Maintaining Champions at Different Scales** It is important to have leaders who ensure momentum both on the ground and at scale, including Local Implementation Team Coordinators, Federal Coordinating Committee, and Longleaf Partnership Council Leadership.

Other collaboratives have modeled themselves after ALRI including the Shortleaf Pine Initiative and the newly formed South Atlantic Salt Marsh Initiative.

Further illustrating America's Longleaf success as a collaborative partnership model was its inclusion in the first America the Beautiful report. In January 2021, Executive Order 14008: Tackling the Climate Crisis at Home and Abroad called for conserving 30% of the nation's lands and waters by 2030. In response, the America the Beautiful Initiative began as a decade-long push to support locally led conservation and restoration of the nation's lands, waters, and wildlife. The Initiative's first progress report touts ALRI as an example of landscapelevel conservation partnership success by contributing to the initiative's early

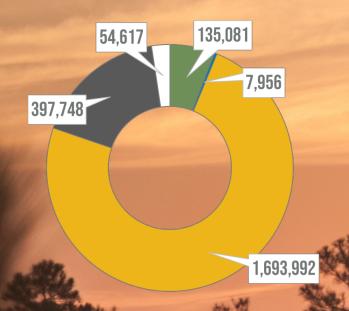
As we begin to consider updating our Conservation Plan for the next 15 years, we'll maintain these standards to achieve effective Shared Stewardship.



LONGLEAF SCORECA

KEY ACCOMPLISHMENTS FOR FISCAL YEAR 2021

TOTAL ACCOMPLISHMENT ACRES IN 2021



PRESCRIBED BURNING

LONGLEAF ESTABLISHMENT

LONGLEAF THRU SILVICULTURE

MAINTENANCE ACTIVITIES

ACQUISITION & EASEMENTS

CONSERVING THE FUTURE OF LONGLEAF



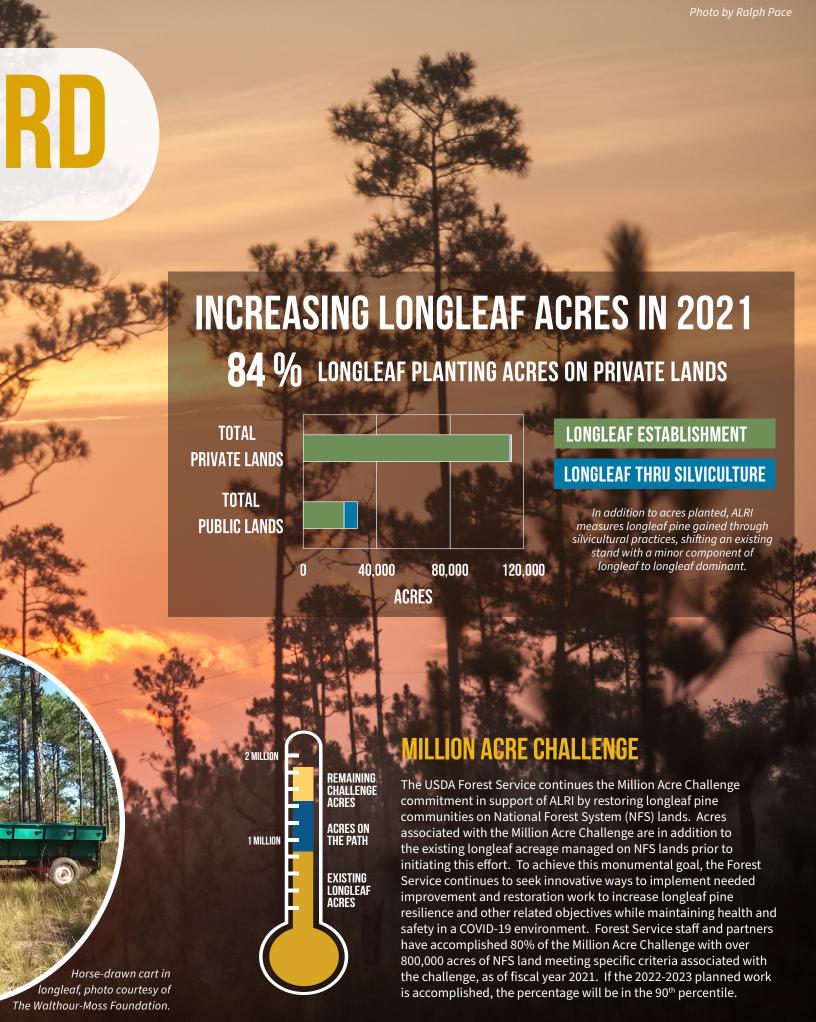
54,617 ACRES

PROTECTED LONG-TERM
THROUGH LAND ACQUISITION &
CONSERVATION EASEMENTS

The Nature Conservancy, USDA Forest Service and The Walthour-Moss Foundation partnered to protect the largest private held longleaf forest in the Sandhills, an ecologically significant site that is blanketed with mature longleaf. The Foundation donated the 3,946-acre easement to the Forest Service. TNC will monitor the easement on the Foundation property, which is also culturally significant as the only nature preserve in North Carolina, and one of the few in the country, whose mission is equestrian use.

TNC Applied Longleaf Scientist Jeff Marcus says the easement will protect the property from future development, ensuring that an iconic spot remains unspoiled. He says the Foundation property is an amazing place. "It is all about size, location, and condition," Marcus says. "Almost the entirety of the property is old-growth 'flattop' longleaf pine with excellent ground cover of native grasses and wildflowers."

By Debbie Crane, The Nature Conservancy



STRENGTHENING THE PARTNERSHIP

Longleaf for All utilizes ALRI's network and platform to increase minority participation in forestry-related programs, practices, and activities, and help landowners reap the economic, ecological, and cultural benefits of owning forested land. Additionally, the level of engagement, excitement, and camaraderie that Longleaf for All has brought to the ALRI, forestry, and minority outreach community is remarkable. Notable results of Longleaf for All include:

- + Formed a highly effective working group consisting of 23 participants from various organizations and entities to engage and guide Longleaf for All, co-led by Luther Jones, retired NRCS, and Tiffany Woods, National Wildlife Federation (NWF), through initial financial support from USDA Forest Service.
- + Created a Barriers and Recommendations document detailing the challenges that face minority landowners, as well as guidance and action steps to address these challenges: 1) Property rights; 2) Property size and scale; 3) Access to capital, resources, and markets; and 4) Outreach challenges from distrust and disconnection.
- + Herbert Hodges Demonstration Forest: NWF and NRCS Georgia are working together to develop a model farm in South Georgia with Herbert Hodges, a minority landowner and champion for longleaf restoration. Hodges' property is showcasing his success with longleaf and wildlife habitat restoration, balancing economic and ecological priorities, and prescribed fire application.

Hoke Community Forest: NWF was awarded a grant from the National Fish and Wildlife Foundation (NFWF) to work with project partners (including the North Carolina

Sandhills Prescribed Burn Association and The Longleaf Alliance among many others) to restore longleaf pine on a community-owned forest in Hoke County, North Carolina. Grant funds will support longleaf pine restoration activities including wiregrass and longleaf seedling plantings on the forest. This Community Forest will generate timber sale revenue that will go directly to the citizens of Hoke County, a minority-majority county. Funders of this project include: Altria, DoD, USDA NRCS, USDA Forest Service, and NRCS North Carolina.



HERBERT HODGES' PASSIONS FOR FORESTRY, WILDLIFE, AND TEACHING ARE ALL CULMINATING ON THE 600-ACRE WILLIE HODGES ESTATE FAMILY FARM IN EMANUEL COUNTY, GEORGIA. THE LAND HAS BEEN IN HIS FAMILY SINCE 1883 AND PRODUCED TURPENTINE, TOBACCO, CORN AND SOYBEANS OVER PAST GENERATIONS.

Herbert Hodges considered farming the land after a long tenure with the military, but the start-up expenses were too high. Timber was considered next, and the financial and technical assistance available from the USDA Natural Resource Conservation Service (NRCS) were pertinent in meeting Hodges' ecological and economic objectives. He has gone on to find great success with the Environmental Quality Incentives Program (EQIP) and Conservation Stewardship Program (CSP). Using CSP and EQIP, Mr. Hodges has planted more than 400 acres of longleaf and installed water bars to prevent soil erosion, stream crossings to prevent stream pollution, and firebreaks to conduct prescribed burns.

More than a decade ago, the property was dominated by a high volume of volunteer pines and scrub oaks. Now, it's a sustainable tree farm with an emerging understory abundant with valuable, healthy wildlife populations such as gopher tortoises. His property serves as a demonstration and educational site for other landowners partnership with NRCS and NWF. The longleaf now growing on Mr. Hodges' property also helps him feel connected to his ancestors. Before his parents turned to farming, his father harvested turpentine. Mr. Hodges suspects some of the volunteer seedlings were descendants of his parents' and grandparents' trees. And

that's a nice connection to have, he says.

OPPORTUNITIES & CHALLENGES

As we look back over the last 15 years, the partners who formed and developed the America's Longleaf Restoration Initiative have made significant progress in our collective work to restore, manage, and conserve longleaf habitat in the southeastern U.S. The accomplishments reflected in this report are a testament to the efforts of this strong partnership that now serves as a model for landscape-scale restoration initiatives. Looking forward to 2025 though, we seek to be more strategic in our approach to longleaf restoration by working from a thorough assessment of current longleaf forests, setting landscape priorities, and looking outside the traditional forest product box to identify ecosystem benefits that incentivize more landowners to manage for longleaf.

The Longleaf Ecosystem Occurrence Geodatabase project is moving into Phase 2 and is focused on further developing a database of existing longleaf pine locations and conditions across the Southeast. This assessment is fundamental for informing conservation and restoration planning across the range.

The Longleaf Partnership Council's Communications Working Group has recently completed a four-part Longleaf Resilience series focused on the overall resilience and ecosystem benefits derived from longleaf forests. These publications help answer the question "Why Longleaf?" for those managing forestlands. In the face of continued impacts associated with climate change, resources are becoming available to implement programs to support Climate Smart Forestry initiatives here in the Southeast. Partners are working collaboratively to build models that quantify the carbon and water benefits related to longleaf restoration, management, and conservation. By exploring new and innovative markets for longleaf we have the potential to make significant advances in forest conservation that will push the needle for longleaf over the next 15 years.

By Carol Denhof, The Longleaf Alliance

MAINTAINING CONNECTIONS

By Ryan Bollinger, The Longleaf Alliance

Entering year two of the COVID-19 pandemic many ALRI partners were accustomed to virtual technology for remote work. Despite the threat of "Zoom" fatigue, the tools that became commonplace early in the pandemic remained a vital lifeline for keeping in touch and moving conversations and projects forward. Hybrid



Longleaf Partnership Council Virtual Meeting

approaches to workshops were implemented to allow for virtual and in the field inperson training. These successful and creative approaches were born out of necessity, but likely to continue in the future as a part of our educational tool bag. On the ground restoration thankfully continued at a steady pace in 2021, but its apparent that in-person gatherings will be critical for 2022 to reset and make new connections and seek collaborations to accelerate the pace of ALRI.

BY THE NUMBERS: 2021 LONGLEAF

BY OWNERSHIP	Longleaf Establishment Acres	Longleaf thru Silviculture Acres	Prescribed Burning Acres	Maintenance Activities Acres	Acquisition/ Easements Acres	TOTAL Acres
PUBLIC LANDS						
National Forest System (USDA Forest Service)	6,233	5,949	428,383	11,050	1,436	453,051
Savannah River Site (USDA Forest Service)	321	0	23,898	40	0	24,259
National Wildlife Refuges (USFWS)	109	68	28,730	1,866	0	30,773
Military Installations (DoD)	9,040	0	436,606	315,246	23,119	784,011
US Army Corps of Engineers (DoD)	0	0	374	0	0	374
National Parks/Preserves (NPS)	120	0	7,033	140	0	7,293
State Forests (State Foresters)	1,495	378	200,411	8,562	5,777	216,623
WMAs (State Wildlife Directors)	2,732	400	64,304	23,315	8,724	99,475
Other State/Local Lands	2,213	425	75,946	7,875	9,724	96,183
Total Public Lands	22,263	7,220	1,265,685	368,094	48,780	1,712,042
PRIVATE LANDS						
State Forestry Agencies (State Foresters)	3,458	0	232,975	115	0	236,548
State Wildlife Agencies (State Wildlife Directors)	119	2	1,739	273	0	2,133
NRCS Programs	52,406	0	78,545	23,021	100	154,072
Conservation Reserve Program (FSA)	3,880	47	12,766	814	0	17,507
Emergency Forest Restoration Program (FSA)	1,682	0	109	0	0	1,791
Partners for Fish and Wildlife Program (USFWS)	2,099	328	1,476	1,190	0	5,093
Coastal Program (USFWS)	120	0	0	0	0	120
Corporate Lands - (other funds)	379	59	4,070	357	0	4,865
NGO Lands (other funds)	1,003	210	26,389	1,405	5,687	34,694
Non-Industrial Private Lands (other funds)	2,523	90	70,238	2,479	50	75,380
Private Landowners - Additional Acres	45,149					45,149
Total Private Lands	112,818	736	428,307	29,654	5,837	577,352
GRAND TOTAL - ALL LANDS	135,081	7,956	1,693,992	397,748	54,617	2,289,394

THE POWER OF PARTNERSHIPS

The reticulated flatwoods salamander (Ambystoma bishopi or RFS for short) is an endangered species in need of restoration of fire-maintained pine flatwoods for survival. These salamanders rely on terrestrial and aquatic habitats to support their complex life cycles. Eggs are laid in dry wetland basins of seasonally flooded wetlands, hatch out as aquatic larvae to spend the winter developing, metamorph out of the water into mesic longleaf pine stands in the spring, and return one to two years later as breeding adults.

A diverse team of wildlife biologists and restoration technicians, supported through a partnership between The Longleaf Alliance, DoD, NFWF, Gulf Coastal Plain Ecosystem Partnership, Florida Fish and Wildlife Conservation Commission, and other governmental agencies, are supporting RFS recovery. Since 2018, the field teams and partners have treated over 50 acres of wetlands, discovered six new wetlands occupied by RSF, conducted 4,413 acres of prescribed fire, and released 712 head-started salamanders back into the wild.

Photo by Jessica Sandoval

ACCOMPLISHMENT SUMMARIES

BY STATE	Longleaf Establishment Acres	Longleaf thru Silviculture Acres	Prescribed Burning Acres	Maintenance Activities Acres	Acquisition/ Easements Acres	TOTAL Acres
PUBLIC LANDS						
Texas	594	474	7,852	377	0	9,297
Louisiana	1,702	0	53,163	20,009	0	74,874
Mississippi	2,457	3,992	139,335	6,243	0	152,027
Alabama	1,072	1,071	183,539	10,458	566	196,706
Florida	12,311	834	500,820	60,376	21,726	596,067
Georgia	1,770	400	229,559	216,673	24,431	472,833
South Carolina	668	421	71,283	7,414	1,714	81,500
North Carolina	1,600	28	75,969	46,454	343	124,394
Virginia	89	0	4,165	90	0	4,344
Total Public Lands	22,263	7,220	1,265,685	368,094	48,780	1,712,042
PRIVATE LANDS						
Texas	1,335	352	1,369	483	0	3,539
Louisana	994	90	7,952	1,503	0	10,539
Mississippi	5,854	0	15,112	1,575	0	22,541
Alabama	10,517	0	258,282	5,218	0	274,017
Florida	9,588	25	13,554	5,572	0	28,739
Georgia	26,941	0	108,780	8,639	1,147	145,507
South Carolina	9,135	42	8,059	3,823	0	21,059
North Carolina	3,168	227	11,823	2,294	4,690	22,202
Virginia	137	0	3,376	547	0	4,060
Additional Acres	45,149					45,149
Total Private Lands	112,818	736	428,307	29,654	5,837	577,352
GRAND TOTAL - ALL LANDS	135,081	7,956	1,693,992	397,748	54,617	2,289,394



Since 2012, the Longleaf Landscape Stewardship Fund (Fund) has awarded more than \$50 million in grants to

longleaf pine restoration, enhancement, and protection across the historical longleaf pine range. These grants have generated \$62 million in non-federal match from grantees, for a total conservation impact of more than \$112 million.

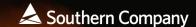
These investments support the establishment of more than 150,000 acres of new longleaf forests and the improved management of

nearly 3 million acres of existing longleaf pine habitat, including 2.8 million acres of prescribed burning.

Combining the technical and financial resources of ten federal and non-federal partners enables the Fund to invest in a broad suite of longleaf restoration and enhancement strategies that expand, improve, and maintain the longleaf pine ecosystem, support the recovery of longleaf-dependent species such as the Red-cockaded Woodpecker and gopher tortoise, and contribute to working lands and forest-dependent economies.





















LONGLEAF PARTNERSHIP COUNCIL 2021 MEMBERS AND PARTNERS





















































WILLIAM OWEN

ALRI Leadership Team — Colette DeGarady, Carol Denhof, Chris Erwin, David Gonzales, Stephanie Hertz, Kyle Jones, Aaron Valenta, & Matthew Vandersande 2021 Longleaf Accomplishment Report Team — Ryan Bollinger, Debbie Crane, Sarah Crate, Stephanie Hertz, Kyle Jones, Lisa Lord, & Hannah Sodolak.



Thank you to all who contributed data, photos, and stories to the 2021 Longleaf Accomplishment Report. This report and more success stories can be found at americaslongleaf.org.

