



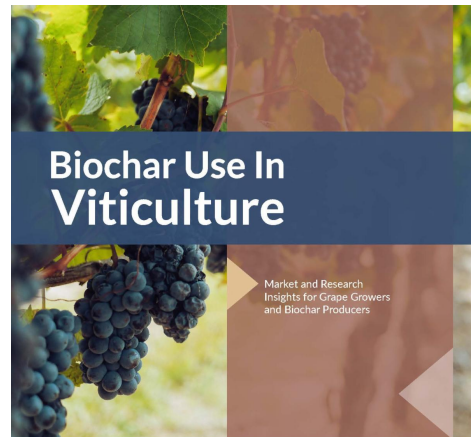
## Biochar Use in Viticulture

Biochar has been successfully used in viticulture to boost productivity through improved plant and soil health without negative effects to the grape or wine flavor. There is a large body of research supporting the application of biochar in viticulture specifically, as well as in soils and compost. A dozen of the most recent and relevant are highlighted in support of biochar's use in viticulture. While there are some caveats to be considered when applying biochar, if it's matched appropriately to the soils at establishment, growers are seeing a 2 to 3 harvest payback.

The growing need for improved water management is one of the prime benefits seen in vineyards, and that need is expected to intensify as a changing climate affects water availability further. An additional benefit to an investment in biochar is its longevity—measured in decades to millennia—which also opens the potential for economic benefit from the developing carbon credit markets.

For biochar producers, there are almost a million acres of grapes in the US, offering the industry a sizable market. A one percent market penetration would require about 10,000 tons of biochar annually and though the bulk of grapes grown in the US are along the West Coast, the viticulture market provides opportunity in almost every state.

*The work upon which this project is based was funded in whole or in part through a grant awarded by USDA Forest Service Wood Innovations (20-DG-11083150-011). USDA is an equal opportunity provider, employer, and lender.*



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## Understanding Payments for Ecosystem Services: Opportunities for Forests, Water and Private Landowners in Georgia and the Southeastern United States

For over 20-years, the concept of Payments for Ecosystem Services (PES) has been

evolving. During this time, an enhanced understanding of supporting sciences, potential frameworks, and protocol methods has emerged and continues to improve. The Georgia Forestry Foundation (GFF) invested in this work to broaden the understanding of PES programs, identify potential opportunities, and to increase engagement with private forest landowners. It provides a context for developing a PES program addressing forests and water in the state of Georgia, and potentially other areas located in the Southeastern United States. This work builds upon previous research in Georgia that explored and quantified ecosystem services and market opportunities.



[Read the Report](#)

This work also builds upon established watershed level projects and partnerships, including the startup and advancement of the Savannah River's Clean Water Fund (SRCWF), the first of its kind in the region. The partnerships established by the Southeastern Partnership for Forests and Water in the Oconee, Middle Chattahoochee, and Savannah River watersheds greatly enhance the opportunities to develop payment for ecosystem services programs. The chapters in this report build upon the existing foundational knowledge and address many dimensions of forest-water PES program opportunities in Georgia.

This project was made possible through a grant provided by the U.S. Endowment for Forestry & Communities. The project involved coordination and collaboration with several organizations and experts, including the USDA Forest Service and the Southeastern Partnership for Forests & Water. Partnerships with the University of Georgia Warnell School of Forestry & Natural Resources and the Georgia Forestry Commission are critical for continued landowner outreach and engagement. The project included forums that were sponsored by Georgia-Pacific.

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## City Trees Article, Urban Wood Roundtable

The USDA Forest Service and various partners, including Dovetail Partners, have an Urban Wood Roundtable article in the latest edition of City Trees, the Journal of the Society of Municipal Arborists.

[Read Full Article](#)



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## Give to the Max 2021

Mark your calendars now for Give to the Max Day on Thursday, November 18,



with the Early Giving period beginning on Monday, November 1! Minnesota's giving holiday is back for a 13th year, join in the generosity!

## Women in Vegetation Management Workshop

Katie Fernholz of Dovetail Partners will speak at the Women in Vegetation Management Workshop on October 26th as part of the Trees & Utilities Conference agenda. Dovetail Partners administers the [Right-of-Way Stewardship Council \(ROWSC\)](#), which accredits excellence in ROW VM.



[Learn More](#)

## Indigenous Knowledge on the Healing Nature of Fire Featured in New Film

The indigenous practice of controlled burns helps prevent wildfires from getting out of hand. Now there's a short film, [Oshkigin: Spirit of Fire](#), about those traditional practices, produced in Duluth and showing at film festivals and other venues in the region. The sixteen-minute film will be featured at the [Twin Cities Film Festival](#), Oct. 23, and at the [Fresh Coast Film Festival](#), Marquette, MI, Oct. 16 & 17.

[Reserve Tickets to the Film](#)

[Learn More on the Project](#)

[Additional Reading Material \(see page 10\)](#)



8

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this office desires them to comply strictly with the following rules in the matter:

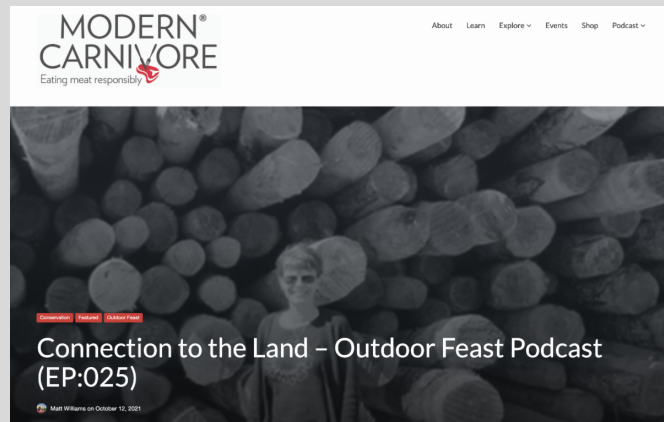
“ 1. It is forbidden for any Indian wilfully or maliciously to set on fire any timber, underbrush, or grass, or any other combustible material upon Indian reservations, or carelessly or negligently to leave or suffer fire to burn unattended near any timber or other inflammable material.

“ 2. Any Indian who shall build a camp fire, or other fire, in or near any forest, timber or other inflammable material upon any reservation, or shall be a party thereto, shall, before breaking camp

## Katie Fernholz on the Modern Carnivore podcast

Modern Carnivore is re-connecting people to healthy meat options and introducing them to a lifestyle of "direct harvest" that includes foraging, fishing and hunting. It's about promoting a healthier planet and a healthier diet. Katie Fernholz of Dovetail Partners is featured on the Oct 12th episode addressing forests and the connection to the land.

[Learn More](#)



## Minnesota SWCD Partners to Advance Firewise Outreach

Carlton Soil and Water Conservation District (SWCD) is launching a Firewise program with the goal of educating landowners on defensible space and forest management in Minnesota.

Partnering with the Minnesota Department of Natural Resources, Carlton County and Dovetail Partners, the SWCD received a \$10,000 grant through AIM Co. to kick off the program this fall.

[Learn More](#)

## 2022 Georgia-Pacific Research Internships - Apply by Dec 1st

Dovetail Partners is offering internships beginning in January 2022 with support from Georgia-Pacific. The internships will be associated with forest management research and wildfire risk reduction efforts. Applications are due Dec 1st. Dovetail Partners is an equal opportunity employer. This internship posting and description does not constitute a promise, offer, or guarantee of employment.



[Learn More](#)

*Dovetail supports progress and change to address inequality.*

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