BILTMORE®

Sustainability at Biltmore

October 29, 2026



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Biltmore Company Mission Statement

"The preservation of Biltmore as a privately-owned, profitable, working estate."

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- Sustainability from the Start

. Founded in 1895

. George Vanderbilt started a dairy operation to collect the cow manure and apply to the over worked land he had purchased

. The commercial dairy rain until 1983 when we switched over to an angus beef production operation



A Blank Canvas



- George Vanderbilt purchased over 650 parcels of land to create Biltmore, many of which were over worked and deforested
- Lead by Gifford Pinchot workers planted 2.9 million trees to rebuild the forest around the estate

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Biltmore Forestry School



- Opened in 1898 by the German Forster Carl Schanck
- First school of sustainable forestry in the United States
- Now known as the cradle of forestry in Pisgah National Forest

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Biltmore Sustainability Today





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Livestock Operations







Cattle

- Between 600-700 head of purebred Angus cattle
- Intensive grazing biased operation
- Data driven herd results





- 1200 acers of dedicated cow pasture
- Field to Table
- Genetically robust

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CERTIFIED
ANGUS BEEF
SUSTAINABILITY AWARD
BILTMORE RANCH

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Pigs and Sheep



- 150 ewes and 200 lambs per year
- Dorper Breed from South Africa
- Pastured in our solar field

- Up to 360 hogs raised a year
- We keep Berkshire pigs, a heritage breed that was originally raised on the estate
- Silvopasture: We graze pigs in the woods as a way to improve soil nurturance

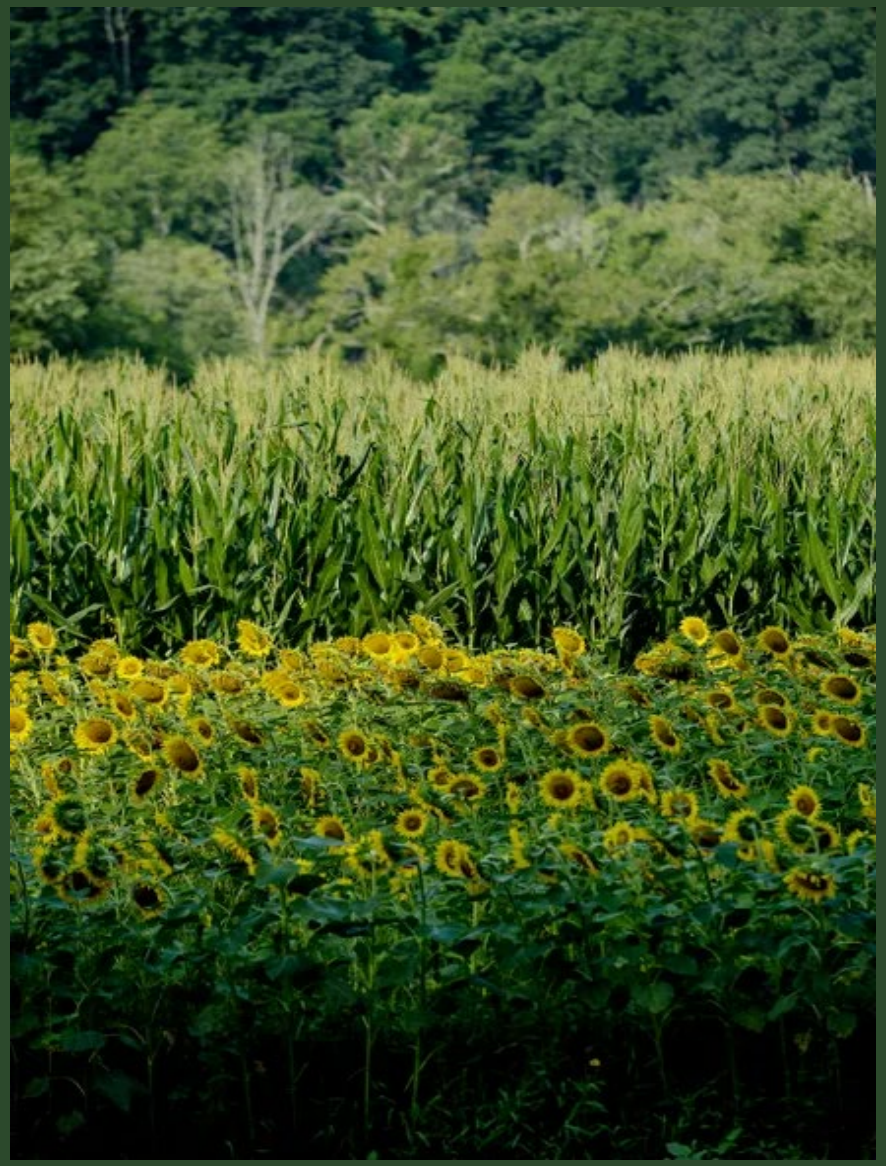


Biltmore Crop Program



From Commodity Crop to Value Added Products

- Commodity crops like corn and soy that we sell on the market, but over 50% of the corn we use as silage for our cattle
- Specialty white corn is grown that we harvest and turn into grits and corn meal for the restaurants on property and for sale
- Barley is grown in the winter that we use for our Biltmore beer
- In the summer sunflowers are planted and harvested for their oil that is used in the restaurants and for sale



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Biltmore Solar

Large Field:

6 acres

1.2 Megawatts (peak)

(Could power 1000 homes continuously)

2 inverters

1 transformer

Small Field:

3 acres

.5 Megawatts (peak)

(Could power 417 homes continuously)

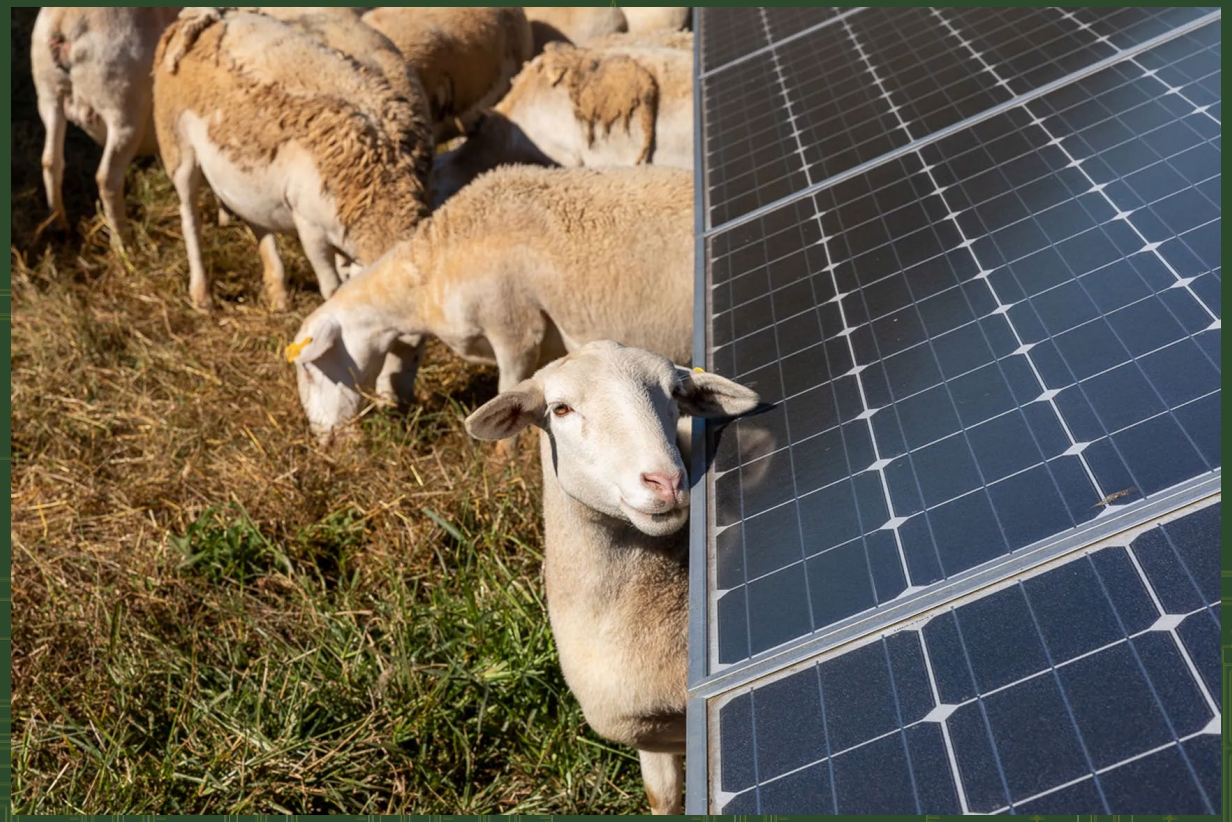
6 inverters

1 transformer



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Sheep and Solar



- Adds more acreage to grazing rotation
- Sheep keep the grass and weeds down around the solar panels
- Solar panels act as shelter for sheep
- Agricultural tax credits
- Great for the story of Biltmore and George Vanderbilt’s original goals for the property

Compost

- Collects waste from our agriculture and horticulture programs as well as the estates 8 restaurants
- Produces over 2,000,000 lbs. of compost a year
- Spread in livestock pastures to limit the need for synthetic fertilizer
- Spread on crop and forage ground where corn and grasses are produced
- Turf application for areas around the estate and along roadways



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Forestry Program

- Close to 5000 acers is still under our forestry management plan
- We selectively log forestry plots every 20 years under the “Femelschlag” management system
- Focused on hardwood regeneration and invasive removal



Hurricane Helene and Turning Obstacles into Opportunities





French Broad river crop fields had huge damage and multiple scour holes



- Complete crop failure along the river
- Huge build up of sand and sediment
- Large loss of nutrients and organic matter







Compost Application Post Storm

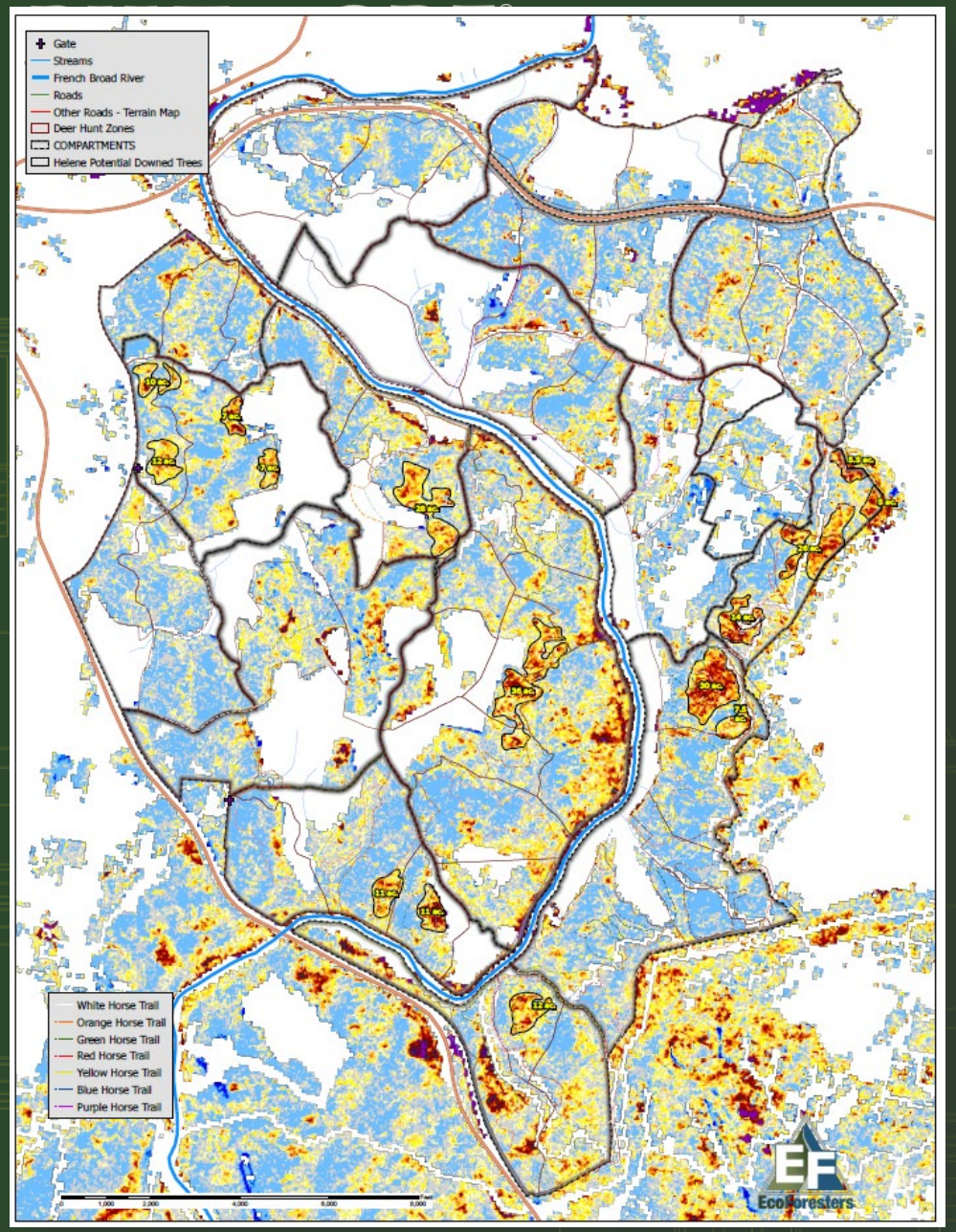
- Almost a complete loss of top soil along the riverside crop fields
- We have spread over 5,000 cubic yards of compost since the hurricane
- Over 4,000,000 lbs. of compost has been created since September 2024






Advanced Composting
TECHNOLOGIES
828-665-8600


SALFORD



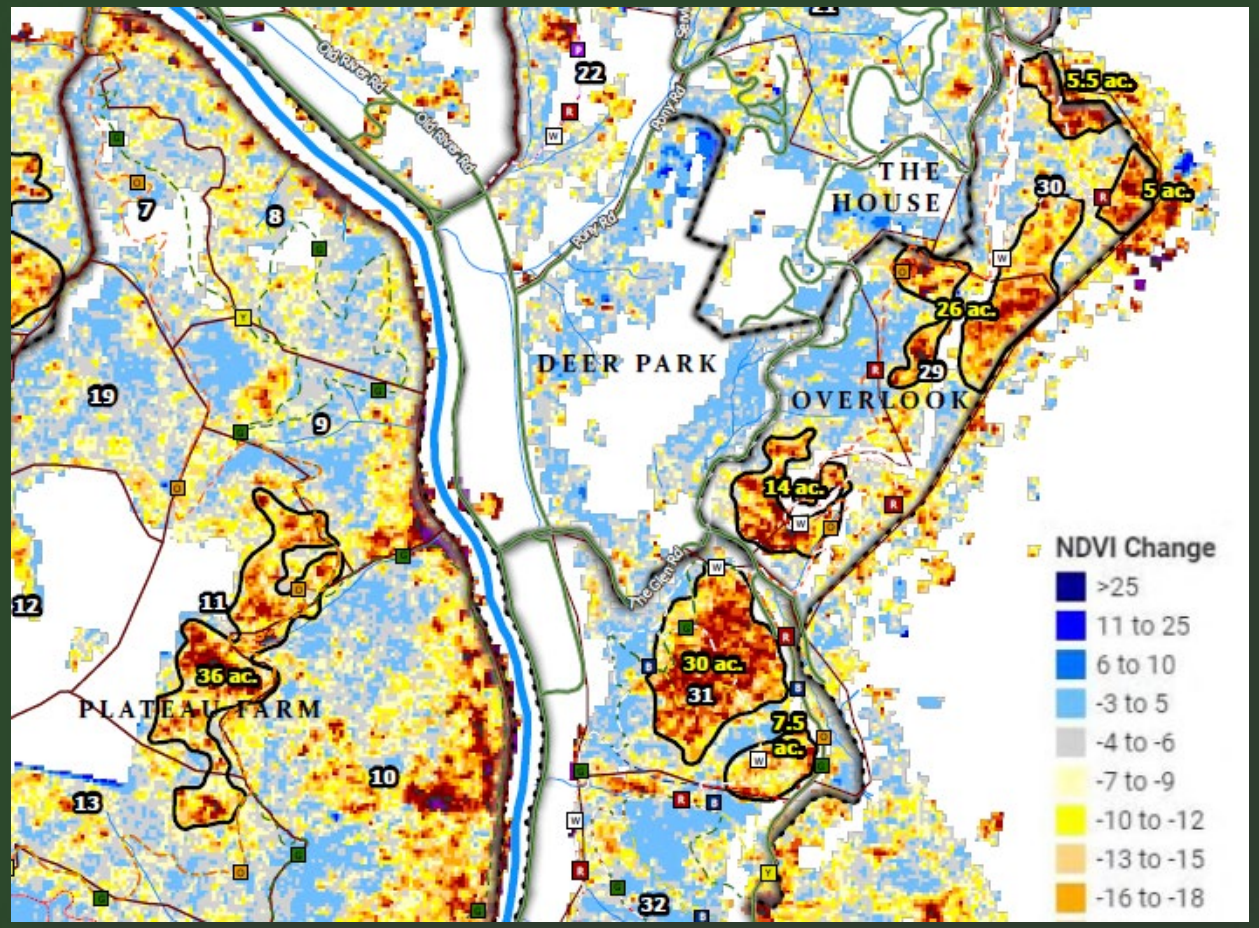
Assessing the Timber Damage

Post-Helene, in partnership with our consulting forestry teams at EcoForesters, we commissioned this forest disturbance map which measured change in canopy cover

Using this tool, we began to survey areas indicated to assess salvage timber values, access and feasibility of harvest to prioritize where we would start

Priorities Identified

- Identified four primary zones of focus where the greatest timber loss was believed to be
- Mostly White Pine, but also significant White Oak, Red Oak and other varieties made up the salvage composition
- In addition to the organized salvage harvest, we also had a significant program underway to merchandise the “landscaped timber” which involved selling logs from clean up efforts around the estate





August 2023



October 2024



Debris Pileup





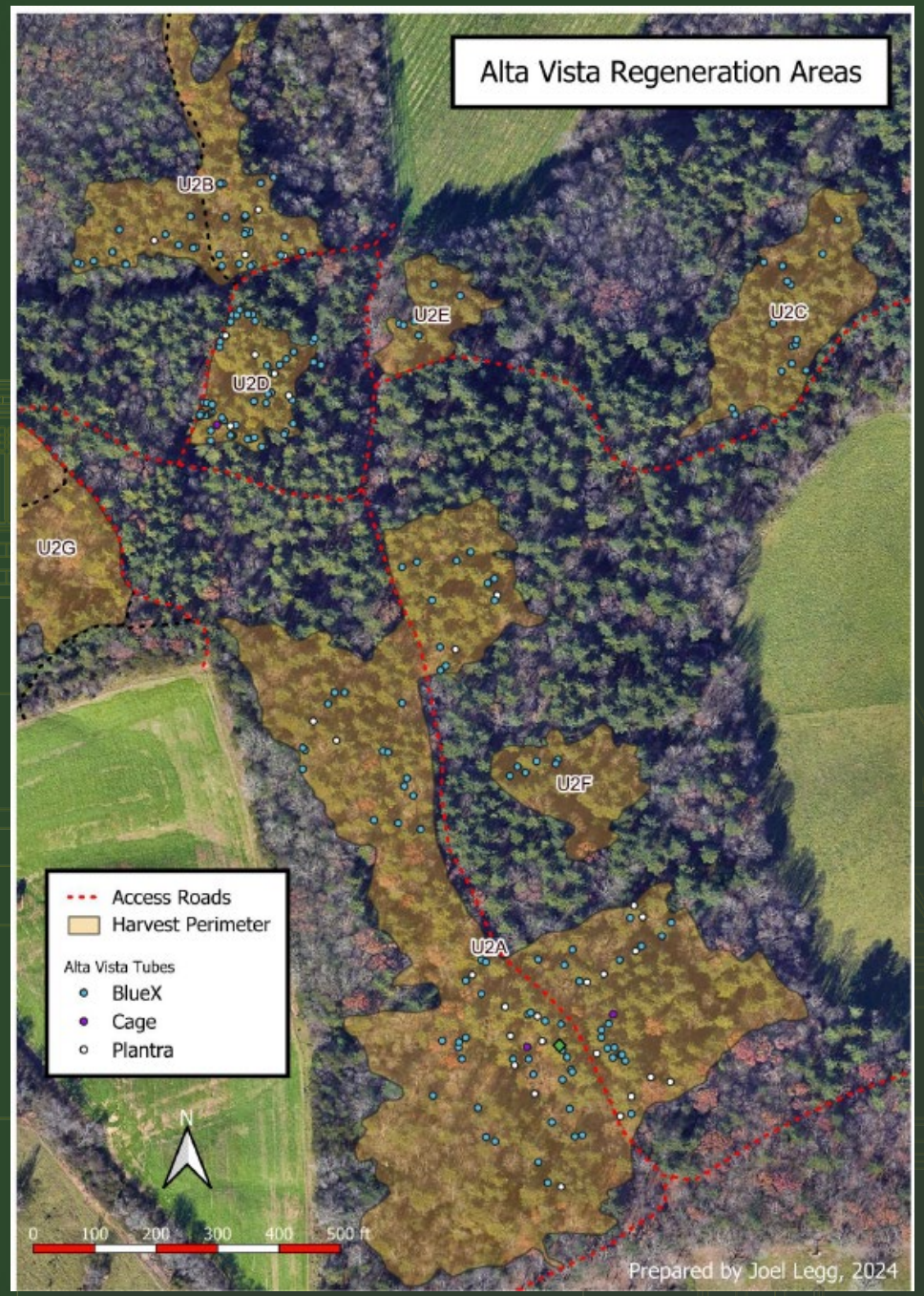
Airburner for Debris Clean up

- We were able to incinerate storm debris into biochar and ash to mix in as an extra amendment for the compost
- Ash is an excellent high source of pH
- Biochar can sequester carbon for hundreds of thousands of years

Estate White Oak Barrels

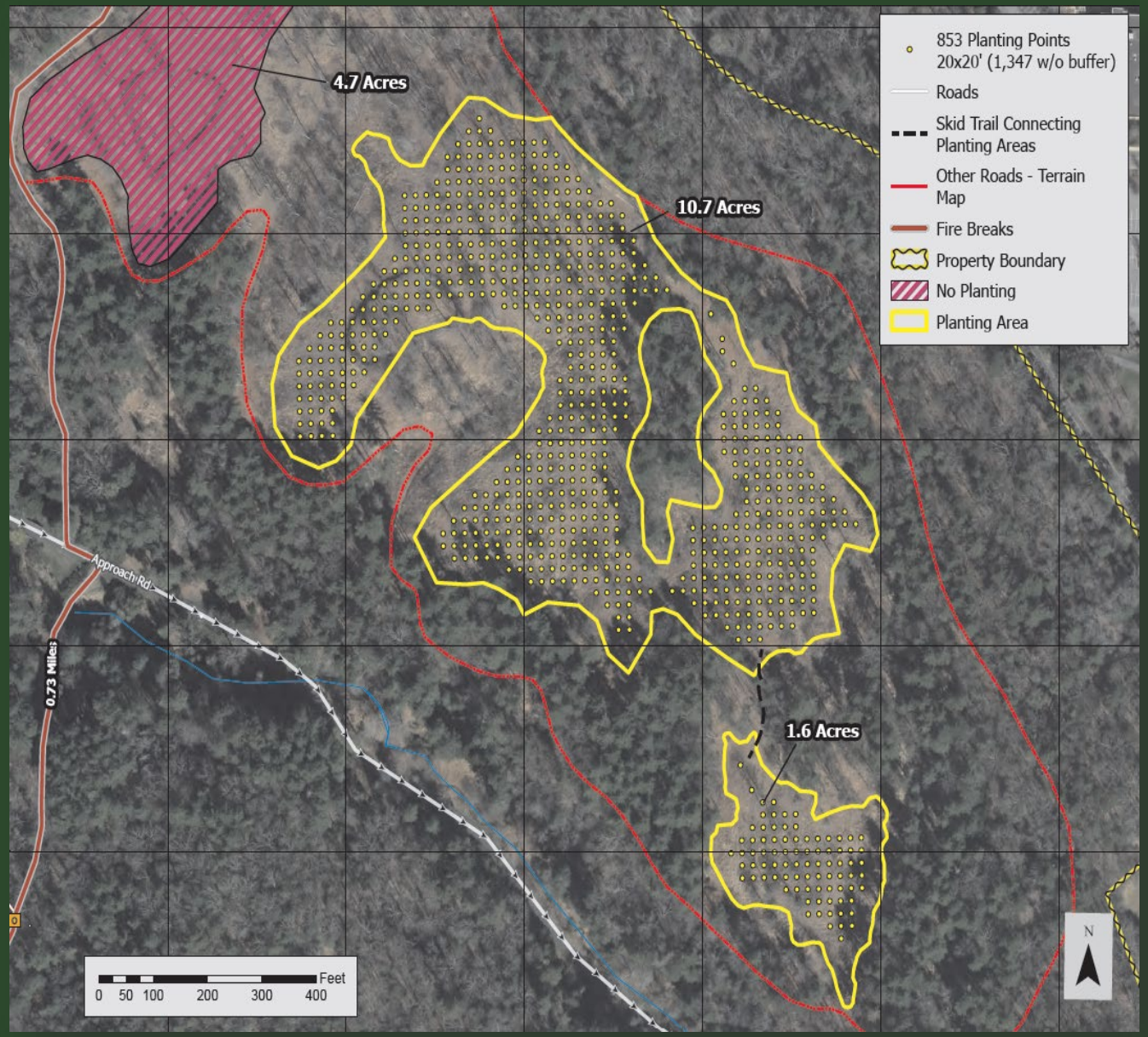
- 52,701 Board Feet were transported to Taylor Staves
- Has resulted in nearly 200 Prime Wine Barrel Sets
- Has solid traceability so we can know that the white oak barrels we receive back originated here





Hardwood Regeneration

- Natural regeneration of hardwoods, particularly White Oaks is a priority of our forestry business
- In 2024, we began a study to better understand what role artificial re-introduction and regeneration could play in establishing the White Oak populations and mixed hardwood stands desired



Site 1 for 2026 is the Beadle Ridge / Sawmill site

~200 gal container White Oaks and 850 bare root White Oaks were planted in January





Thank You

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