

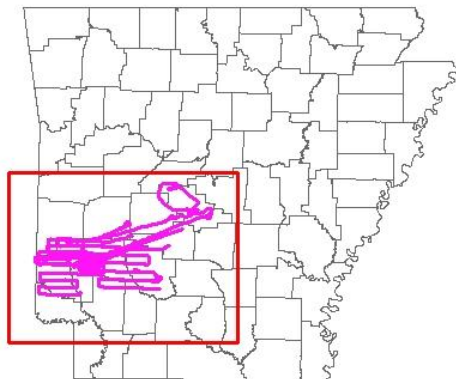
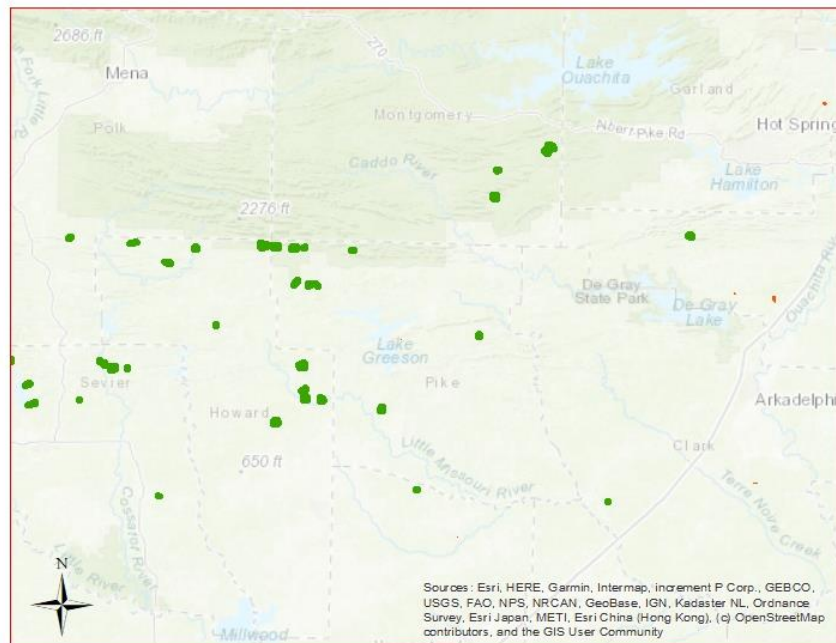


Forest Health Monitoring Program Report March 31, 2021

This report is intended to share information to forest land managers about forest health damages observed by the Arkansas Department of Agriculture – Forestry Division. Chandler Barton, Forest Health Specialist, conducts aerial survey annually to detect or monitor forest threats. The areas selected in this report may or may not have been ground-checked; please use this information to aid your forest management operations. Please contact me if you require more information, damage area data, or need our assistance.

Chandler Barton, Forest Health Specialist – (501) 297-1581, chandler.barton@arkansas.gov

Forest Damage Areas in 2021



-  Needlecast
-  Flightlines

Created by: Jessica Fuller
Forest Health Technician/DMSM

An aerial flight was conducted on by Forest Health Technician Jessica Fuller on February 25th, 2021 around Nashville area. Trees were shown to have a yellow crown discoloration which could indicate for possible Needlecast damage. All data were mapped with the tablet-based Digital Mobile Sketch-Mapper tool and assigned the following attributes:

Damage Type: Crown Discoloration

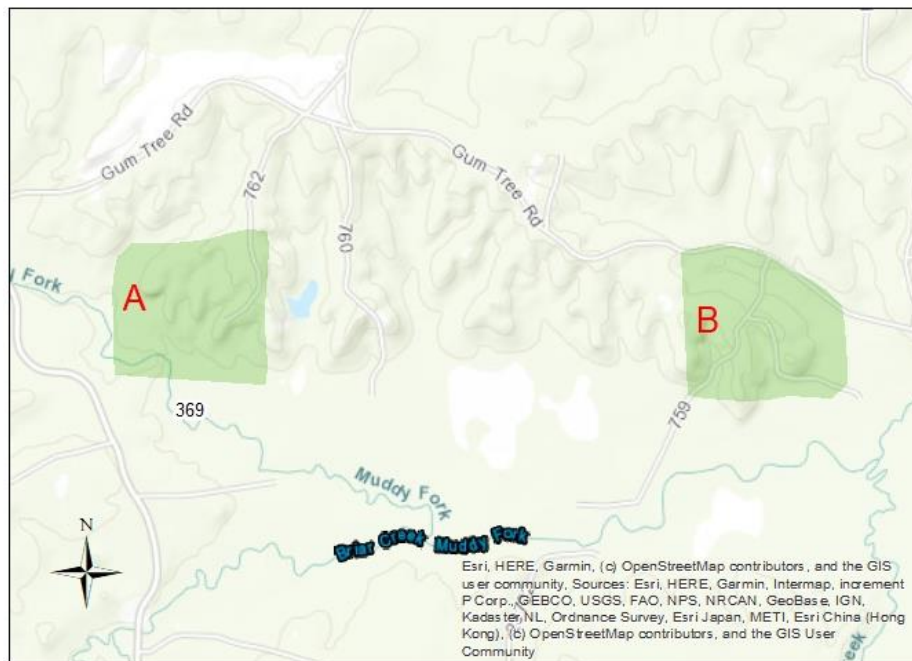
Damage Code: 25005 - Needlecast

Host: Loblolly Pine

Dates of Aerial Survey: 02-25-2021

A ground survey was conducted by Chandler Barton, Division Forester, and Forest Health Technician Jessica Fuller on March 4th, 2021. Areas were shown to have yellow crown discoloration were reduced substantially when infected needles were shed. **There was no evidence of mortality.**

Damage Area in Nashville, Arkansas 2021



0 0.25 0.5 1 Miles



 Needlecast

Nashville, Arkansas
February 25, 2021

Coordinates:

Site A

34.112 -93.875

Site B:

34.1117 -93.8458

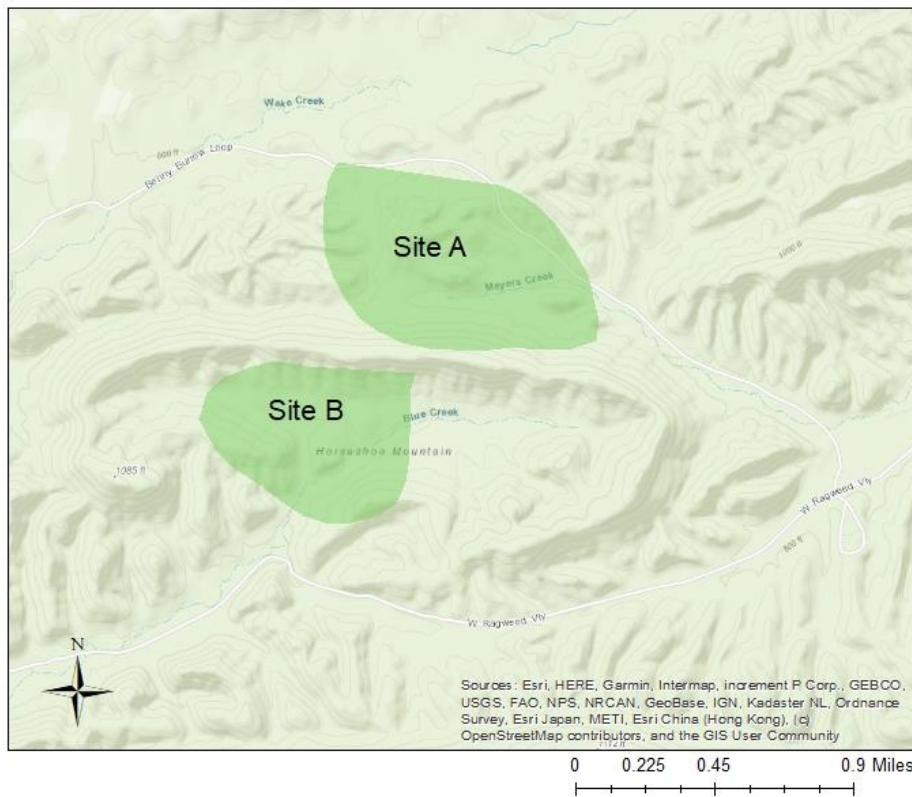
Created by: Jessica Fuller
Forest Health Technician/DMSM

Another aerial flight was conducted on by Forest Health Technician Jessica Fuller on March 4th, 2021 in Montgomery County. Trees were shown to have a brown discoloration which could indicate for possible Needlecast damage. All data were mapped with the tablet-based Digital Mobile Sketch-Mapper tool and assigned the following attributes:

Damage Type: Crown Discoloration
Damage Code: 25005 - Needlecast
Host: Loblolly Pine
Dates of Aerial Survey: 03-04-2021

A ground survey was conducted by Chandler Barton, Division Forester, and Forest Health Technician Jessica Fuller on March 11th, 2021. Trees with severe infestations appeared brown and/or their crowns were reduced substantially when infected needles were shed. **There was evidence of mortality.** A reduction in growth is expected. These stands should be monitored for bark beetle activity later in 2021.

Forest Damage in Montgomery County Area



 Needlecast

Montgomery County
March 11th, 2021
Coordinates:
Site A:
34.492 -93.428
Site B:
34.485 -93.434

Created by: Jessica Fuller
Forest Health Technician/DMSM