



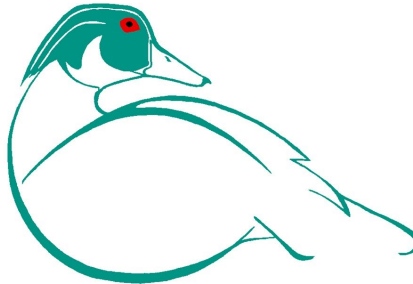
Growing Native

School Campus MicroTree Nurseries

Victoria Lusk

Watershed Education Coordinator

Cacapon Institute



*Protecting Rivers and
Watersheds Since 1985*

*We protect rivers and
watersheds through
science and education!*

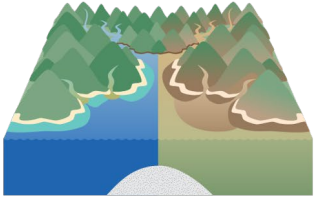
Potomac Headwaters

PHLOW



*Leaders Of Watersheds
Cacapon Institute*

Education + Action

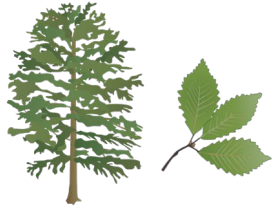


Watersheds 101: What are they?
Do I live in one?

*Pictures courtesy of Jane Thomas and Tracey Saxby, Integration and Application Network
(ian.umces.edu/media-library)*

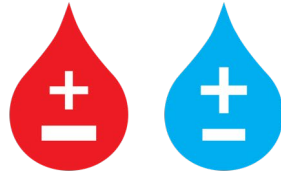


Trees Inside and Out: What is the role
of each part of the tree?



Tree Characteristics: Discover how to
identify native tree species.

*Pictures courtesy of Tracey Saxby and Jane Hawkey, Integration and Application Network
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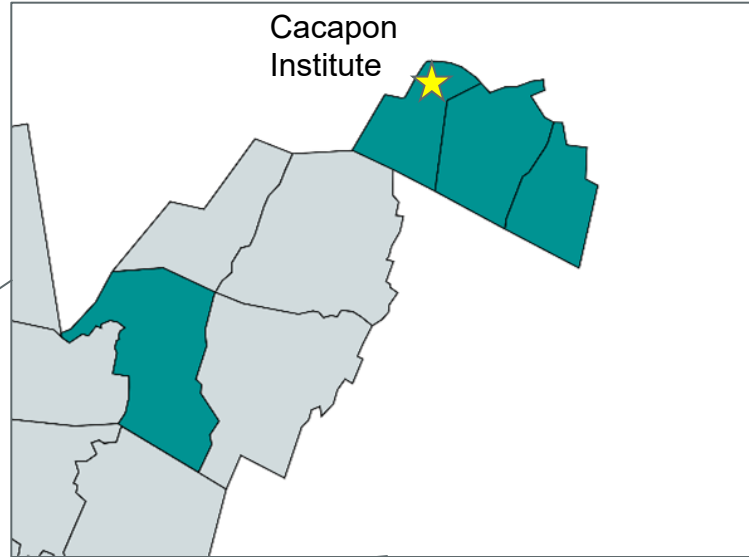
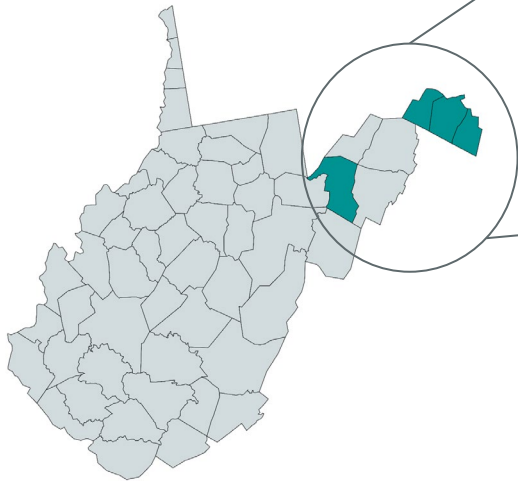


Pollution Buffers: How do trees reduce
pollution?



Our Participants

Four Counties
Seven Schools

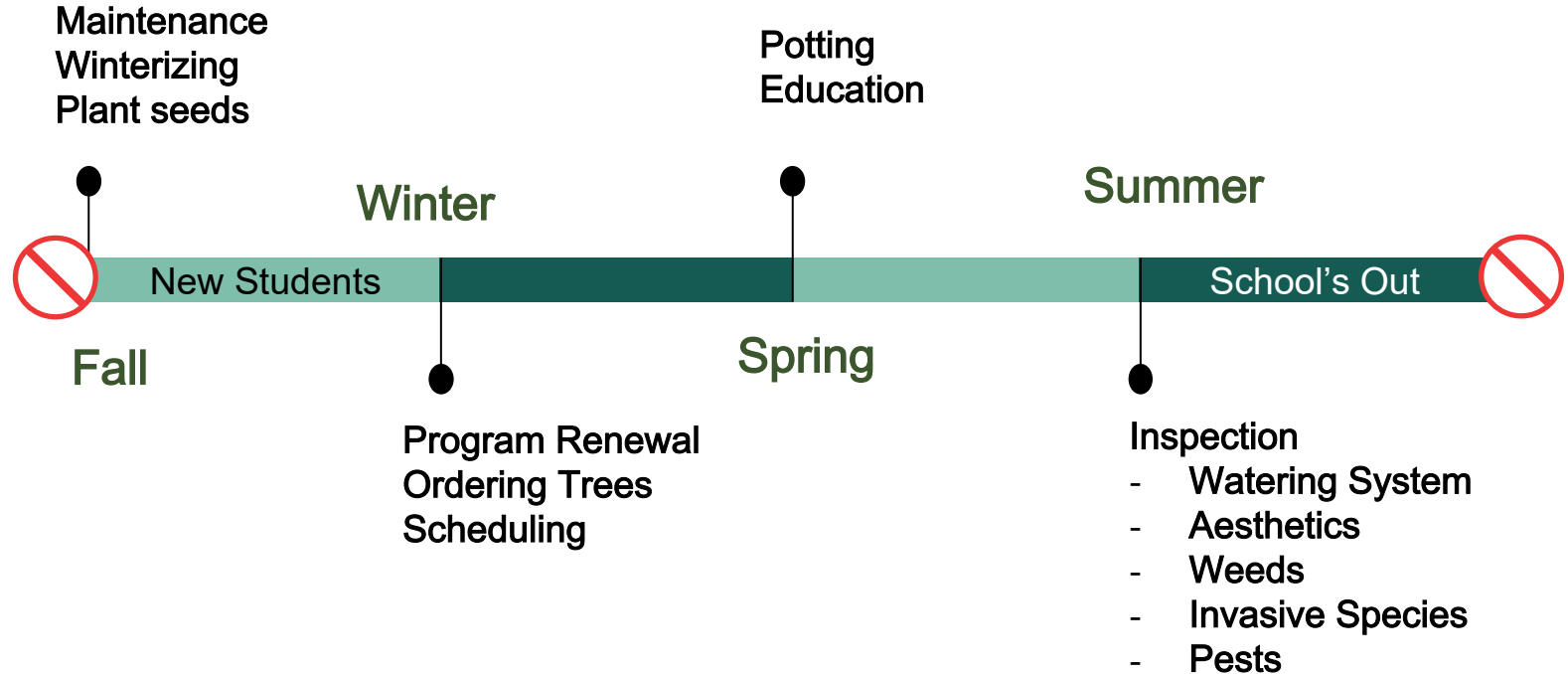


Berkeley, Grant, Jefferson, and Morgan
Counties

2021-2022 School Year

- 975 Tree Whips Potted
- 366 Individuals Engaged
- 240 Hours of Hands-On Action Project
- Elementary, Middle, and High School Students

Program Timeline



Program Materials



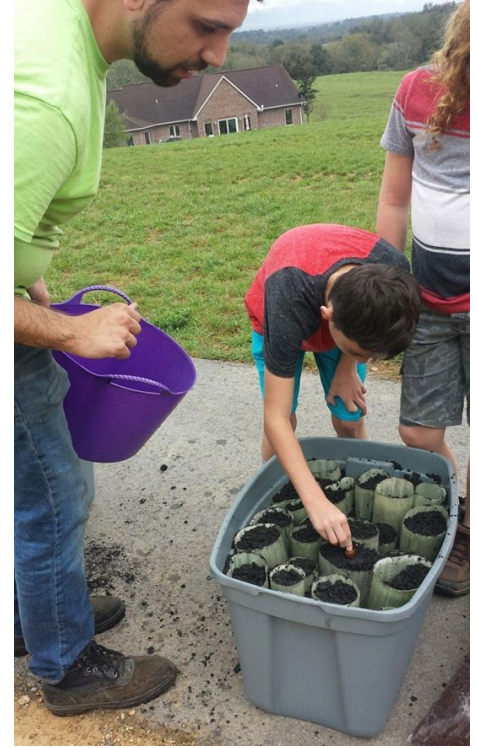
Cacapon Institute:

- Chain Link Dog Kennel + Lock
- Sprinkler + Watering Timer
- Two Gallon Pots
- Soil
- Tree Whips
- Mulch
- Tarps

School:

- Location for Nursery
- Water
- Student Participants
- Support from Staff, especially facility crew

Fall: Maintenance + Tub Grow - Out Stations

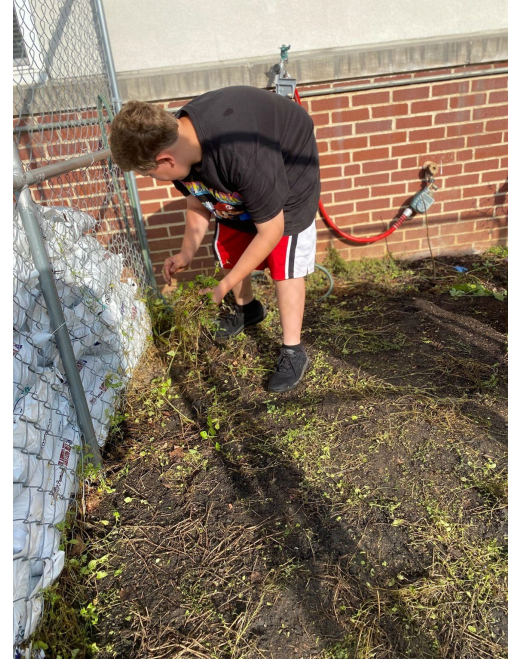


Students plant seeds collected by themselves

Fall: Winterizing



1. Weed pots + remove dead trees
2. Weed cage
3. Apply mulch
4. Disconnect water



Spring: Potting + Education



Tree Distribution



Plant on Campus



Plant Fundraiser + Giveaways

Challenges



Invasive Species



Survival

2022 Inventory

School	Spring	Fall
South Middle School	217	215
Petersburg Elementary	191	134
Jefferson High School	158	66
Paw Paw School	200	69
Orchard View Intermediate	247	73
Warm Springs Intermediate	50	0
Total	1063	52%

Challenges

Water	Establishment	School Staff	Monitoring
<ul style="list-style-type: none">• Water shut off• Sprinkler no longer reaching all trees• Sprinkler has mineral build up• Watering timer ran out of battery• Overwatering	<ul style="list-style-type: none">• Quality of tree whips from nursery• Storage and care for trees while waiting for Spring potting day	<ul style="list-style-type: none">• Teachers are busy• Aesthetics—pressure to have school yard look attractive and organized• Teacher turnover—good ones get promoted	<ul style="list-style-type: none">• Summer care—weeds• Lack of easy access—locked out• Triage—there is a need for a person on site to notify if something looks wrong

Thank You!



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