



SOUTH DAKOTA GAME, FISH and PARKS

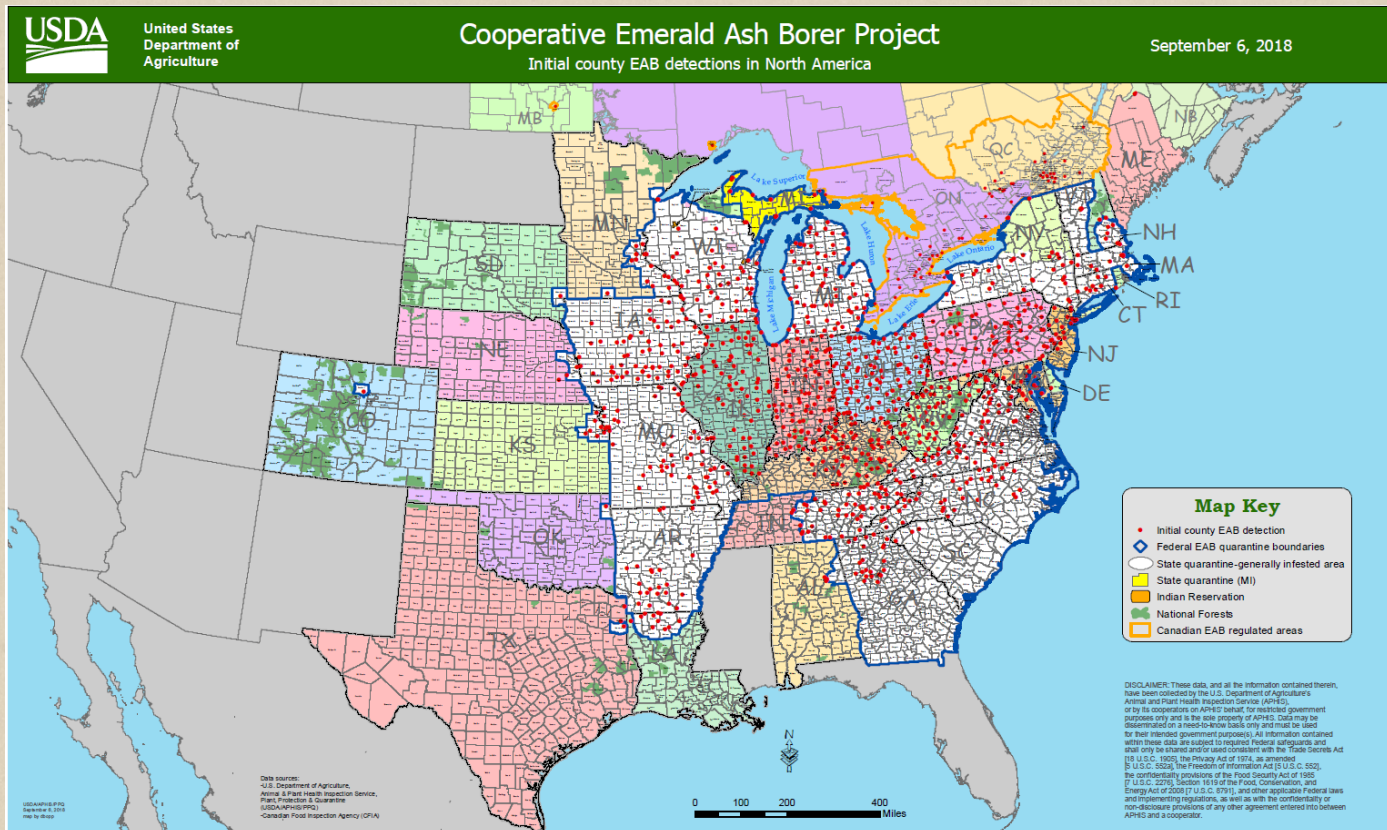
Presented to the South Dakota Game, Fish and Parks Commission



Emerald Ash Borer-Looking Ahead

Looking Ahead

- Slowly spreading
- Planning will pay dividends



Creating a Management Plan

- Buying Time
- Understand the Inventory
- Diversify the Inventory
- Removal and Replacement
- Action and Follow Through



Buying Time

- Working closely with the SD Department of Ag on mitigation
- Educating the public
 - Social media and direct communications
- Commission promulgated administrative rule



FIREWOOD ALERT

On May 9, an infestation of Emerald Ash Borer was confirmed in northern Sioux Falls. This is the first confirmed infestation in South Dakota, but the invasive insect has killed tens of millions of ash trees in at least 32 states.

The threat to our state's natural resources has prompted the Department of Agriculture to implement an emergency quarantine in order to slow the spread of the Emerald Ash Borer in South Dakota.

Help slow the spread of Emerald Ash Borer into our state parks.

- Do not bring out-of-state wood into South Dakota.
- Do not bring wood that has been within the quarantine area into the state parks unless it has a label affixed certifying it as Emerald Ash Borer treated and safe to move.
- In parks located within the quarantine area, wood must have a label affixed certifying it as Emerald Ash Borer treated and safe to move or have been purchased at the park.
- Firewood is available for purchase in the parks or from local stores outside the quarantine area.
- If you purchase firewood from a state park within the quarantine area, do not remove it from the park.

If your firewood is affected by the quarantine, speak up!

- Quarantined wood should be returned to its location of origin as soon as possible, before you enter the park.
 - If you are unable to do so, let staff know immediately.
- Do not enter the park with wood from a quarantined area.

We have been working hard for over a decade to diversify our woodlands in the state park system and reduce reliance on ash trees, knowing this day would come. Every year we can put off an emerald ash borer infestation in state parks is another year that our alternate species trees can grow larger.

Thanks for doing your part to protect our parks from this destructive insect.

Restrictions may change. Ask park staff for the most current information and visit EmeraldAshBorerInSouthDakota.sd.gov.

5/31/2018

Emerald Ash Borer Wood Quarantine Area



Wood that has been within the quarantine area may not be transported outside the area. The penalty for breaking the quarantine is a Class 1 Misdemeanor. In state park areas located within the quarantine area, wood must have a label affixed certifying it as Emerald Ash Borer treated and safe to move or have been purchased at the park.





Understand The Inventory

- 2010 Tree Inventory used for review
- Assessment of the ash vs. non-ash species
- 2018 inventory of all ash species with efforts to get them into geographic information systems
- Palisades State Park used as a pilot project



Understand The Inventory

- Verify the current numbers-2018

• Palisades	Total Trees	Ash	% of Ash
Day-use	211	68	32%
Campground	237	62	26%
Shop/Residence	119	22	19%
Tree Belts	223	82	37%
Total Palisades	790	234	30%

Diversify The Inventory



Palisades Trees	Shop/Residence	Tree belts	Campground	Day-use	Totals
Bur Oak	6	7	102	10	125
Red Oak	2		4	13	19
Pin Oak			2	3	5
Honey Locust	1	6	7	5	19
Hackberry	1		13	22	36
Cottonwood				5	5
Willow				1	1
Maple (assorted)			7	10	17
Silver Maple	4	13	1	1	19
Amur Maple	14	1	3	29	47
Buckeye	1	1	1	6	9
Walnut	1	21	6	1	29
Kentucky Coffee			1	2	3
Catalpa			3		3
Linden/Basswood	8	1	11	5	25
Black Cherry					0
American Elm	1		2	9	12
Siberian Elm				1	1
Hybrid Elm			2	8	10
Aspen	3				3
Paper Birch	2				2
River Birch	5				5
Box Elder	1	3		5	9
Ponderosa Pine	5			2	7
White Pine				1	1
Scotch Pine		3	4		7
Austrian Pine					0
Spruce	9	17	2		28
Larch			1		1
Cedar	13	68	3	4	88
Apple	9				9
Pear	7				7
Cherry	4				4
					0
					0
					0
					0
TOTALS	97	141	175	143	556

Removal and Replacement



Removal and Replacement



Removal and Replacement





Action and Follow Through

- Impact to Budget and 5-year plan
- Estimated 200 ash trees at Palisades that hold significance
- The Palisades action plan is to remove and replace 30 ash trees each year
- Annual removal cost- \$4,410 and 150 hours
- Annual replacement cost- \$1,893 and 40 hours
- Grand Total- \$6,303 and 190 hours
- Some of this cost is already occurring with annual tree removal and replacement
- Plan leaves an estimated 50 trees for removal when necessary



Action and Follow Through

- Statewide, parks are developing and initiating removal plans to have ash trees replaced.
 - Statewide, parks have removed 551 ash trees in 2018
- 2019 plans will include the removal of over 900 ash trees

Action and Follow Through



- Snake Creek Recreation Area near Platte, SD

