

# CLEVELAND METROPARKS NATURAL RESOURCE DIVISION



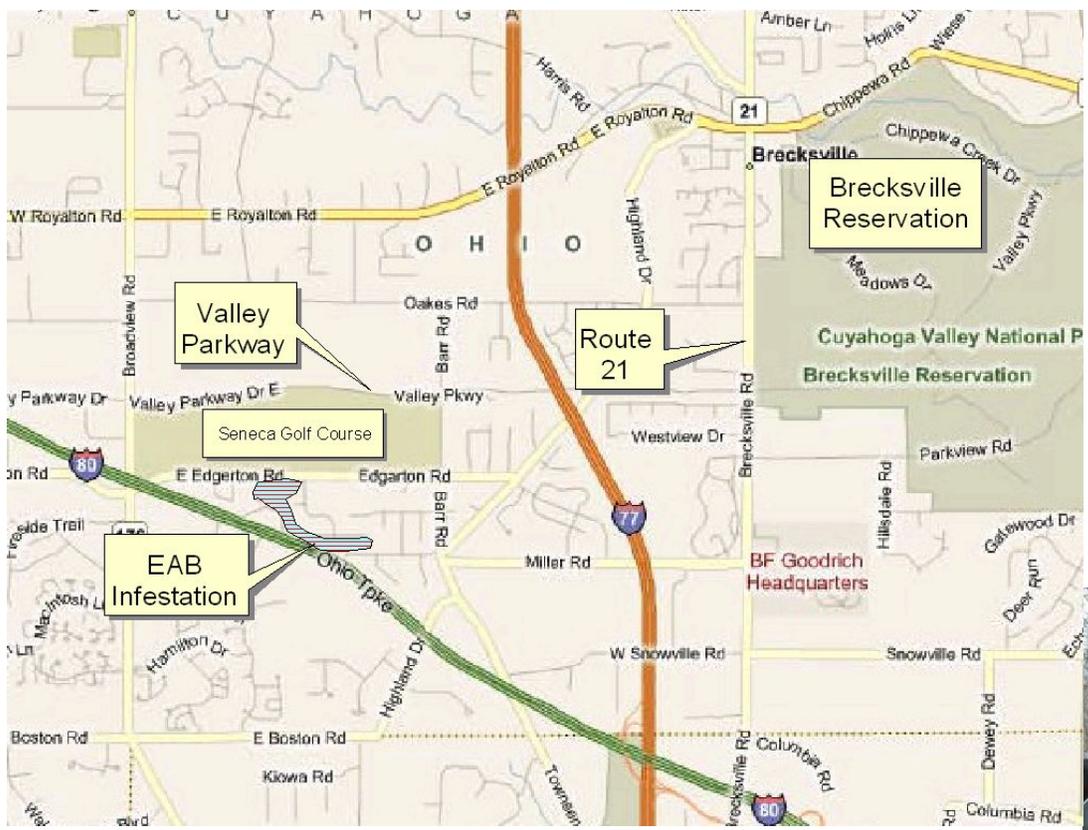
## EMERALD ASH BORER INFESTATION SENECA GOLF COURSE AREA, BRECKSVILLE

**Numerous Ash Trees With Confirmed  
Emerald Ash Borer Infestation**

**April 04, 2008**

Charles Owen, a former employee of the Cleveland Metroparks and now employed by the City of Brecksville, alerted the Cleveland Metroparks to numerous ash trees infested with emerald ash borer near the Seneca Golf Course in Brecksville. Jeff Deluca showed us the core infestation area which involves between an estimated 75 to 100 mostly white ash species. (See locator maps below)

**EAB Infested Trees  
At the Turnpike Plaza**



**Charles Drake, Jeff Sanfilippo and Jeff Deluca in front of an EAB infested white ash. Note the loss of outer bark from woodpecker activity.**

From the size and frequency of the larvae galleries observed on various trees in the core area, it is likely that EAB has been in this particular zone for at least three years. Emerald ash borer core infestation sites will simmer in the background for a number of years. As the EAB population builds, the core infestation will suddenly break out and expand rapidly outward. Ash trees within a one to two mile radius will simultaneously begin to express die-back of crowns and increased epicormic suckering along the trunks. This often leads to hazardous tree situations as ash trees rapidly loose structural integrity, drop limbs and become prone to wind-throw. When core infestation zones multiply and collide, large tracts of dead and dying ash result.



**Jeff Sanfilippo and Jeff Deluca peel back bark of an infested ash to show the EAB serpentine galleries. Infested trees will go undetected until woodpecker activity causes loss of bark or dieback of the upper crown begins.**

# EMERALD ASH BORER INFESTATION

SENECA GOLF COURSE AREA IN BRECKSVILLE

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The 2006 firewood policy updates for the Cleveland Metroparks are more important than ever. As the population of dead ash trees emanating from this core area expands, the potential for transport of infested firewood throughout the southern region of Cuyahoga County will also increase.

Blocks of dead or dying ash trees throughout the Cleveland Metroparks is anticipated as emerald ash borer spreads. Jack Schultis conducted a park-wide survey for ash specimens in picnic areas, parking lots, golf courses and other facilities that have the highest potential to become hazardous trees. This ash tree tally can be found on the following pages of this update. The total number of potential hazardous ash trees comes to 3,953. This survey did not include ash trees along parkways or the interior forest areas.

If the spread of emerald ash borer and subsequent hazardous tree zones expand as has been observed in Ohio counties to the west, strategies will need to be developed to keep pace with tree loss and removal where needed. The base elements of this strategy were established when the new firewood and tree removal policies were created in 2006.

The attached ash tree tally charts will serve as a guide for staff to better anticipate the potential loss of ash tree species in their respective areas of management.



**EAB core infestation site south of Edgerton Road**



**Emerald ash bore larval galleries just under the cambium layer. Note the classic serpentine shape with frass packed into the gallery. Without woodpecker activity causing bark loss, most EAB infested trees go undetected until crown die-back or epicormic suckering occurs.**

# CLEVELAND METROPARKS ASH TREE TALLY

## PICNIC AREAS, PARKING LOTS, GOLF COURSES & OTHER FACILITIES

Reservation	Facility Area	4" - 6" DBH	7"- 12" DBH	13"- 20" DBH	21-28" DBH	29"-36" DBH	Ash Tree Totals
<b>North Chagrin</b>							
	Maintenance Center/Ranger office		3	2			
	Whispering Woods PA	8		1			
	Strawberry PA & Pond	7	19	12			
	Intergrove Cabin	2	2				
	Buttermilk Falls Scenic Overlook		1	1			
	Nature Center (all areas)	3	2				
	Forest Lane PA	3	5	4		1	
	Wilson Mills Trailhead area	3	1				
	River Grove area	25	18	10	1		
	Old River Farm PA	1	5	3			
	Ox Bow Lagoon Field Parking	2		1	1	1	
	Squire's Castle PA	2	7	9	4	5	
	<b>Reservation Totals</b>	<b>56</b>	<b>63</b>	<b>43</b>	<b>6</b>	<b>7</b>	<b>175</b>
<b>South Chagrin</b>							
	Look About Lodge area		5	8	5		
	Chagrin Blvd. Field Parking				1		
	Polo Field Area	8	7	5			
	APT Parking/Sledding area		1		1	1	
	Sulphur Springs PA		2	2	2	2	
	Squaw Rock PA	2		10	1	1	
	Maintenance Center	1	4	3			
	Quarry Rock PA & drive		4	2			
	Harper Ridge PA		5	5			
	Hawthorn Ridge PA	2	2	2			
	Sledding Hill	1	2				
	Shadow Lake & PA	4	11	8	3	1	
	<b>Reservation Totals</b>	<b>18</b>	<b>43</b>	<b>45</b>	<b>13</b>	<b>5</b>	<b>124</b>
<b>Euclid Creek</b>							
	Quarry & Rear Quarry PA & drive	15	20	7		1	
	Kelly PA		3				
	Welsh Woods PA & parking		5	9			
	Lower Highland PA-all area	17	20	11	2	1	
	Upper Highland PA & drive	7	6	4	1		
	<b>Reservation Totals</b>	<b>39</b>	<b>54</b>	<b>31</b>	<b>3</b>	<b>2</b>	<b>129</b>

Reservation	Facility Area	4" - 6" DBH	7"- 12" DBH	13"- 20" DBH	21"- 28" DBH	29"- 36" DBH	Ash Tree Totals
<b>Bedford</b>							
	Frost Meadows PA		5	5	1	2	
	Trailhead PA-Broadway Entrance		3		1		
	Viaduct Park Area & Trail	13	11	14	3		
	Willis PA	3	8	18	2	1	
	Egbert PA	5	21	8	1		
	Bridle Vail Falls Parking area	6	3	1			
	Tinker's Creek Gorge Overlook		3			1	
	Hermits Hollow PA		9	10			
	Hemlock Creek PA		6	4			
	Alexander Rd Trailhead Parking	1	2				
	Sagamore Grove PA		1				
	<b>Reservation Totals</b>	<b>28</b>	<b>72</b>	<b>60</b>	<b>8</b>	<b>4</b>	<b>172</b>
<b>Brecksville</b>							
	Plateau PA	1		3	1		
	Chippewa PA			1	1		
	Brecksville Nature Center area	5	2				
	Chippewa Creek Overlook Parking	1	1				
	Meadows PA	10	5	1		1	
	Oak Grove PA	9	5				
	Brecksville Stables Parking Lot	1				1	
	Stuhr Woods PA	2	6	8			
	Ottawa Point PA	1	1				
	Squire Rich Museum		16	6			
	Maintenance Center/Forestry/Viscom	3	8	4			
	York Rd. PA		9	2			
	<b>Reservation Totals</b>	<b>33</b>	<b>53</b>	<b>25</b>	<b>2</b>	<b>2</b>	<b>115</b>
<b>Hinckley</b>							
	Maintenance Center & across Street	5	5	6	1		
	Taki Nature Research Area & Drive	4	1	2		3	
	Top O Sedges PA			2			
	Ranger Stables Area and Residence		4	6	1		
	Sledding Hill & Lower Parking & drive	8	15	11	1		
	Whipps Ledges PA	15	12	12	2		
	Brooklyn Exchange Cabin area & drive	10	10	1	1		
	Judges Lake PA	3	50	22			
	Worden Homestead & drive	16	40	8	1		
	Ledge Lake-all areas	11	23	7	1		
	Kiwanis Cabin Reserved PA & drives	15	50	15	1		
	Horse Trailor Parking	15	24	2			
	Ranger Office & PA	1	1	4	2		
	Hinckley Lake Dam, Swimming & PA	1	3	3			
	North Ball Field	1	1	2			
	South Ball Field		1	4		1	
	Indian Point		1	7			
	Johnson's PA & Boat Launch	12	16	40	8	1	
	Red Wing Cabin & Drive	5	16	7			
	Horse Trailor Parking-across from Johnson's PA			2			
	<b>Reservation Totals</b>	<b>122</b>	<b>273</b>	<b>163</b>	<b>19</b>	<b>5</b>	<b>582</b>

Reservation	Facility Area	4" - 6" DBH	7" - 12" DBH	13" - 20" DBH	21" - 28" DBH	29" - 36" DBH	Ash Tree Totals
<b>Mill Stream Run</b>							
	North Quarry PA			3	1		
	Music Mound Area	1	4	3	2		
	Wallace Lake PA	2	1				
	South Quarry PA			2	1		
	WJ Green Lodge & drive	8	8	5			
	Bonnie Park PA-all areas & APT	8	30	60	10		
	Albion Wood Reserved PA	7	8	10	1		
	Chalet area & lots		2	3			
	Strongsville Wildlife area			2			
	Camp Cheerful area	7	10	8	3	1	
	Royalview PA		1	1			
	Pawpaw PA	13	25	15			
	Music Mound PA	3		2			
	<b>Reservation Totals</b>	<b>49</b>	<b>89</b>	<b>114</b>	<b>18</b>	<b>1</b>	<b>271</b>
<b>Rocky River</b>							
	Scenic Park -all areas	10	22	24	35	15	
	Rockcliffe Springs Area	4	1	1	1	1	
	Morley Ford PA		10	8	1		
	Lorain Street Bike Lot		7	15	3	2	
	Rocky River Management Area-parking & drive	6	46	71	8	1	
	Rocky River Stables	1	15	12			
	Stinchcomb Memorial Area	7					
	Sycamore PA & parking across street		2	2		1	
	North Mastic PA		7	8	5	1	
	South Mastick PA & parking	6	9	13	8	6	
	Cottonwood PA & parking lot	3	3	8			
	Rocky River Nature Center & all parking	10	12	5			
	Big Cedar Point PA & lots	8	10	8			
	Frostville Museum Area	2		2	1		
	Maple Grove PA		5	5	3	2	
	Lagoon Area by Maple Sugar overflow parking		5	7	1		
	Lagoon PA & drives/lots	4	12	16	3		
	Willow Bend PA	3	7	12	1		
	South Sledding Hill Parking lot		3	7	1		
	<b>Reservation Totals</b>	<b>64</b>	<b>176</b>	<b>224</b>	<b>71</b>	<b>29</b>	<b>564</b>
<b>Bradley Woods</b>							
	Bradley Woods PA & Bunns Lake	5	10	4	1		
	<b>Reservation Totals</b>	<b>5</b>	<b>10</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>20</b>
<b>Huntington</b>							
	Wolf Road PA-all areas	3	1	2			
	Huntington PA-South of Lake Rd	1	9	2			
	Huntington PA & beach areas		5	8	1		
	<b>Reservation Totals</b>	<b>4</b>	<b>15</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>32</b>



Golf Courses	Facility Area	4" - 6" DBH	7"- 12" DBH	13"-20" DBH	21"- 28" DBH	29"-36" DBH	Ash Tree Totals
<b>Manakiki Golf Course</b>							
	Back 9 & parking & main drive	33	62	72	11	1	
	Front 9	11	32	21			
	<b>Manakiki Totals</b>	<b>44</b>	<b>94</b>	<b>93</b>	<b>11</b>	<b>1</b>	<b>243</b>
<b>Shawnee Hills Course</b>							
	All Nines & Clubhouse area	15	61	69	7	7	
	<b>Shawnee Totals</b>	<b>15</b>	<b>61</b>	<b>69</b>	<b>7</b>	<b>7</b>	<b>159</b>
<b>Sleepy Hollow Course</b>							
	Maintenance Center Area & main parking	4	10				
	Front Nine	41	68	27	4		
	Back Nine	27	25	22	3	1	
	<b>Sleepy Hollow Totals</b>	<b>72</b>	<b>103</b>	<b>49</b>	<b>7</b>	<b>1</b>	<b>232</b>

<b>Mastick Woods Course</b>							
	Golf Course	9	49	68	13	10	
	<b>Mastick Woods Totals</b>	<b>9</b>	<b>49</b>	<b>68</b>	<b>13</b>	<b>10</b>	<b>149</b>
<b>Big Met Course</b>							
	Front Nine & Clubhouse area & parking	10	55	56	12	5	
	Back Nine	3	20	30	9	8	
	<b>Big Met Totals</b>	<b>13</b>	<b>75</b>	<b>86</b>	<b>21</b>	<b>13</b>	<b>208</b>
<b>Little Met Course</b>							
	Golf Course	8	36	67	12	5	
	<b>Little Met Totals</b>	<b>8</b>	<b>36</b>	<b>67</b>	<b>12</b>	<b>5</b>	<b>128</b>
<b>Washington Park</b>							
	Golf Area-First Tee	1	6	5			
	APT & Athletic Field Area	6	9	2			
	Washington Arboretum-Education Center-PA		3	4			
	<b>Washington Park Totals</b>	<b>7</b>	<b>18</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>36</b>
	<b>ASH TREE GRAND TOTAL 3,953</b>						

Compiled by Jack Schultis, March 2007