

## 20.44-ACRE ROTHROCK COMMONS PROPERTY TREE PLOT DATA

PLOT	TREE SPECIES (Latin)	TREE SPECIES (common)	DIAMETER AT BREAST HEIGHT (DBH, IN)	DRIPLINE RADIUS (FT)	TREE CONDITION	TREE CONDITION NOTES	GENERAL NOTES
1	<i>Prunus serotina</i>	Black Cherry	10	5	Fair	vines, slight lean	Plot 1 (Woodland) exhibited poor to good conditions and was dominated by black locust and black cherry, which made up more than 50% of the total canopy coverage. The understory (<6" DBH) was primarily comprised of 0.5" to 1" DBH <i>Fagus grandifolia</i> (American beech). See Photographs 1-4.
	<i>Prunus serotina</i>	Black Cherry	14	20	Fair	vines, dead limbs (prune to maintain)	
	<i>Prunus serotina</i>	Black Cherry	12	10	Fair	vines, poor structure	
	<i>Prunus serotina</i>	Black cherry	21	15	Poor	bark damage, dead limbs, poor structure, remove tree	
	<i>Prunus serotina</i>	Black cherry	20	25	Good	vines	
	<i>Prunus serotina</i>	Black cherry	11	10	Good	vines	
	<i>Prunus serotina</i>	Black cherry	18	20	Fair	vines, dead limbs (prune to maintain), slight lean	
	<i>Prunus serotina</i>	Black cherry	12	5	Poor	vines, dead limbs, poor structure, moderate lean, remove tree	
	<i>Prunus serotina</i>	Black cherry	15	20	Poor	vines, poor structure, moderate lean, remove tree	
	<i>Prunus serotina</i>	Black Cherry	20	10	Fair	vines, slight lean	
	<i>Robinia pseudoacacia</i>	Black Locust	22	10	Good	vines, low amount of dead limbs (prune to maintain)	
	<i>Robinia pseudoacacia</i>	Black Locust	22	15	Fair	vines, dead limbs (prune to maintain)	
	<i>Robinia pseudoacacia</i>	Black Locust	9	5	Poor	vines, dead limbs, poor structure, remove tree	
	<i>Robinia pseudoacacia</i>	Black Locust	10	5	Poor	vines, significant lean, remove tree	
	<i>Robinia pseudoacacia</i>	Black Locust	13	5	Fair	vines, dead limbs (prune to maintain)	
	<i>Robinia pseudoacacia</i>	Black Locust	9	5	Fair	bark damage, slight lean	
	<i>Robinia pseudoacacia</i>	Black Locust	22	10	Good	vines, few dead limbs (prune to maintain)	
	<i>Robinia pseudoacacia</i>	Black Locust	17	20	Fair	vines, dead limbs (prune to maintain)	
	<i>Robinia pseudoacacia</i>	Black Locust	25	20	Poor	vines, bark damage, dead limbs, cavity present, remove tree	
2	<i>Juglans nigra</i>	Black Walnut	8	15	Fair	vines, dead limbs (prune to maintain)	Plot 2 (Non-woodland) exhibited fair and good conditions and was dominated by an understory (<6" DBH) comprised of black walnut and black cherry approximately 3" to 4" DBH. Although Plot 2 had trees greater than 6" DBH, they did not make up more than 50% of the total canopy coverage. See Photographs 5-8.
	<i>Quercus palustris</i>	Pin Oak	15	22	Good	vines, low amount of dead limbs (prune to maintain)	
	<i>Robinia pseudoacacia</i>	Black Locust	11	18	Fair	vines, dead limbs (prune to maintain)	
	<i>Robinia pseudoacacia</i>	Black Locust	10	15	Fair	bark damage, dead limbs (prune to maintain)	
3	<i>Juglans nigra</i>	Black Walnut	7	20	Good	no noticeable conditions	Plot 3 (Woodland) exhibited poor and good conditions and was primarily dominated by black cherry, which made up more than 50% of the total canopy coverage. The understory (<6" DBH) was primarily comprised of <i>Rubus</i> sp. See photographs 9-12.
	<i>Prunus serotina</i>	Black Cherry	17	18	Poor	vines, bark damage, dead limbs, poor structure, remove tree	
	<i>Prunus serotina</i>	Black Cherry	9	10	Poor	vines, dead limbs, poor structure, moderate lean, remove tree	
	<i>Prunus serotina</i>	Black Cherry	13	5	Poor	vines, bark damage, dead limbs, poor structure, moderate lean, remove tree	
	<i>Prunus serotina</i>	Black Cherry	8	8	Poor	vines, dead limbs, poor structure, remove tree	
	<i>Prunus serotina</i>	Black Cherry	21	15	Poor	vines, dead limbs, poor structure, moderate lean, remove tree	
	<i>Prunus serotina</i>	Black Cherry	28	25	Poor	vines, dead limbs, poor structure, moderate lean, remove tree	
	<i>Robinia pseudoacacia</i>	Black Locust	51	30	Poor	dead limbs, moderate lean, some rot decay, cavity present, remove tree	
4	<i>Fraxinus pennsylvanica</i>	Green Ash	8	10	Fair	vines, bark damage, dead limbs (prune to maintain)	Plot 4 (Non-woodland) exhibited fair and good conditions and was primarily dominated by an understory (<6" DBH) comprised of green ash and black cherry approximately 3" to 4" DBH. Although Plot 2 had trees greater than 6" DBH, they did not make up more than 50% of the total canopy coverage. See Photographs 13-16.
	<i>Fraxinus pennsylvanica</i>	Green Ash	6	15	Fair	vines, bark damage, dead limbs (prune to maintain)	
	<i>Quercus palustris</i>	Pin Oak	13	15	Good	few dead limbs (prune to maintain), slight lean	
5	<i>Robinia pseudoacacia</i>	Black Locust	21	15	Fair	vines, bark damage, multi-trunked	Plot 5 (Woodland) exhibited poor and fair conditions and was completely dominated by black locust, which made up more than 50% of the total canopy coverage. The understory (<6" DBH) was primarily comprised of a <i>Rubus</i> species, black locust, and crab apple approximately 1" to 4" DBH. See photographs 17-20.
	<i>Robinia pseudoacacia</i>	Black Locust	7	10	Fair	vines, dead limbs (prune to maintain)	
	<i>Robinia pseudoacacia</i>	Black Locust	8	15	Fair	bark damage, dead limbs (prune to maintain), slight lean	
	<i>Robinia pseudoacacia</i>	Black Locust	14	20	Poor	vines, bark damage, dead limbs (remove tree), slight lean	
	<i>Robinia pseudoacacia</i>	Black Locust	9	12	Fair	vines, dead limbs (prune to maintain), slight lean	
	<i>Robinia pseudoacacia</i>	Black Locust	7	10	Fair	vines, slight lean	
	<i>Robinia pseudoacacia</i>	Black Locust	25	18	Poor	bark damage, dead limbs, water sprouts, moderate lean, remove tree	
6	<i>Fraxinus pennsylvanica</i>	Green Ash	7	12	Good		Plot 6 (Non-woodland) exhibited fair conditions and was primarily dominated by an understory (<6" DBH) comprised of green ash and crab apple approximately 2" to 4" DBH. Although Plot 2 had trees greater than 6" DBH, they did not make up more than 50% of the total canopy coverage. See Photographs 21-24.
	<i>Fraxinus pennsylvanica</i>	Green Ash	6	10	Good		
7	<i>Prunus serotina</i>	Black Cherry	24	15	Poor	vines, dead limbs, moderate lean, multi-trunked	Plot 7 (Non-woodland) exhibited poor and fair conditions and was primarily dominated by an understory (<6" DBH) comprised of American elm and crab apple approximately 2" to 4" DBH. Although Plot 2 had trees greater than 6" DBH, they did not make up more than 50% of the total canopy coverage. See Photographs 25-28.
	<i>Prunus serotina</i>	Black Cherry	-	-	Poor	dead, remove tree	
	<i>Prunus serotina</i>	Black Cherry	10	8	Fair	dead limbs (prune to maintain), slight lean	
	<i>Prunus serotina</i>	Black Cherry	7	8	Poor	bark damage, dead limbs, moderate lean, remove tree	
8	<i>Ulmus americana</i>	American Elm	9	10	Fair	dead limbs (prune to maintain), slight lean	Plot 8 (Woodland) exhibited poor and fair conditions and was primarily dominated by black walnut, black locust, and tulip poplar, which made up more than 50% of the total canopy coverage. The understory (<6" DBH) was primarily comprised of <i>Lonicera japonica</i> (Japanese honeysuckle) approximately 1" to 2" DBH and a <i>Rubus</i> species. See Photographs 29-32.
	<i>Juglans nigra</i>	Black Walnut	7	15	Fair	vines, dead limbs (prune to maintain)	
	<i>Juglans nigra</i>	Black Walnut	8	15	Poor	vines, dead limbs, poor structure, remove tree	
	<i>Liriodendron tulipifera</i>	Tulip Poplar	7	15	Fair	poor structure	
9	<i>Robinia pseudoacacia</i>	Black Locust	10	20	Fair	vines, dead limbs (prune to maintain)	Plot 9 (Woodland) exhibited poor to good conditions and was primarily dominated by white spruce, which made up more than 50% of the total canopy coverage. The understory (<6" DBH) was primarily comprised of <i>Rubus</i> sp. See Photographs 33-36.
	<i>Juglans nigra</i>	Black Walnut	23	30	Good	few dead limbs (prune to maintain)	
	<i>Picea glauca</i>	White Spruce	17	25	Fair	dead limbs (prune to maintain), poor structure	
	<i>Picea glauca</i>	White Spruce	13	20	Fair	dead limbs (prune to maintain), moderate lean	
	<i>Picea glauca</i>	White Spruce	13	15	Poor	dead limbs, high lean, remove tree	
	<i>Picea glauca</i>	White Spruce	16	15	Poor	dead limbs, high lean, remove tree	
10	<i>Thuja occidentalis</i>	White Cedar	13	15	Fair	dead limbs (prune to maintain), moderate lean	Plot 10 (Woodland) exhibited poor and fair conditions and was primarily dominated by American elm, which made up more than 50% of the total canopy coverage. The understory (<6" DBH) was primarily comprised of American beech and Japanese honeysuckle approximately 1" to 3" DBH, and <i>Rubus</i> sp. See Photographs 37-40.
	<i>Tsuga canadensis</i>	Eastern Hemlock	14	20	Fair	dead limbs (prune to maintain), moderate lean	
	<i>Fraxinus americana</i>	White Ash	-	-	Poor	dead, remove tree	
	<i>Fraxinus americana</i>	White Ash	-	-	Poor	dead, remove tree	
	<i>Prunus serotina</i>	Black Cherry	21	18	Fair	vines, dead limbs (prune to maintain), poor structure	
	<i>Robinia pseudoacacia</i>	Black Locust	30	20	Poor	vines, bark damage, dead limbs, moderate lean, remove tree	
11	<i>Ulmus americana</i>	American Elm	17	20	Fair	vines, dead limbs (prune to maintain), slight lean	Plot 11 (Non-woodland) exhibited fair conditions and was primarily dominated by an understory (<6" DBH) comprised of green ash, crabapple, American elm, and black cherry approximately 2" to 4" DBH. Plot 11 did not have any trees greater than 6" DBH. See Photographs 41-44.
	<i>Ulmus americana</i>	American Elm	9	12	Fair	vines, dead limbs (prune to maintain)	
	<i>Ulmus americana</i>	American Elm	13	20	Fair	bark damage, few dead limbs (prune to maintain), poor structure, slight lean	
	<i>Ulmus americana</i>	American Elm	10	20	Fair	vines, dead limbs (prune to maintain), poor structure	



**Photo 1:** Overview of Plot 1 (Woodland), facing north.



**Photo 2:** Overview of Plot 1 (Woodland), facing east.



**Photo 3:** Overview of Plot 1 (Woodland), facing south.



**Photo 4:** Overview of Plot 1 (Woodland), facing west.



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**Photo 5:** Overview of Plot 2 (Non-Woodland), facing north.



**Photo 6:** Overview of Plot 2 (Non-Woodland), facing east.



**Photo 7:** Overview of Plot 2 (Non-Woodland), facing south.



**Photo 8:** Overview of Plot 2 (Non-Woodland), facing west.



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**Photo 9:** Overview of Plot 3 (Woodland), facing north.



**Photo 10:** Overview of Plot 3 (Woodland), facing east.



**Photo 11:** Overview of Plot 3 (Woodland), facing south.



**Photo 12:** Overview of Plot 3 (Woodland), facing west.



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**Photo 13:** Overview of Plot 4 (Non-Woodland), facing north.



**Photo 14:** Overview of Plot 4 (Non-Woodland), facing east.



**Photo 15:** Overview of Plot 4 (Non-Woodland), facing south.



**Photo 16:** Overview of Plot 4 (Non-Woodland), facing west.



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**Photo 17:** Overview of Plot 5 (Woodland), facing north.



**Photo 18:** Overview of Plot 5 (Woodland), facing east.



**Photo 19:** Overview of Plot 5 (Woodland), facing south.



**Photo 20:** Overview of Plot 5 (Woodland), facing west.



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**Photo 21:** Overview of Plot 6 (Non-Woodland), facing north.



**Photo 22:** Overview of Plot 6 (Non-Woodland), facing east.



**Photo 23:** Overview of Plot 6 (Non-Woodland), facing south.



**Photo 24:** Overview of Plot 6 (Non-Woodland), facing west.



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**Photo 25:** Overview of Plot 7 (Non-Woodland), facing north.



**Photo 26:** Overview Plot 7 (Non-Woodland), facing east.



**Photo 27:** Overview of Plot 7 (Non-Woodland), facing south.



**Photo 28:** Overview of Plot 7 (Non-Woodland), facing west.



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**Photo 29:** Overview of Plot 8 (Woodland), facing north.



**Photo 30:** Overview of Plot 8 (Woodland), facing east.



**Photo 31:** Overview of Plot 8 (Woodland), facing south.



**Photo 32:** Overview of Plot 8 (Woodland), facing west.



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**Photo 33:** Overview of Plot 9 (Woodland), facing north.



**Photo 34:** Overview of Plot 9 (Woodland), facing east.



**Photo 35:** Overview of Plot 9 (Woodland), facing south.



**Photo 36:** Overview of Plot 9 (Woodland), facing west.



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**Photo 37:** Overview of Plot 10 (Woodland), facing north.



**Photo 38:** Overview of Plot 10 (Woodland), facing east.



**Photo 39:** Overview of Plot 10 (Woodland), facing south.



**Photo 40:** Overview of Plot 10 (Woodland), facing west.



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**Photo 41:** Overview of Plot 11 (Non-Woodland), facing north.



**Photo 42:** Overview of Plot 11 (Non-Woodland), facing east.



**Photo 43:** Overview of Plot 11 (Non-Woodland), facing south.



**Photo 44:** Overview of Plot 11 (Non-Woodland), facing west.



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**Photo 45:** General overview of Woodland area in the northern portion of the site, facing south.



**Photo 46:** General overview of Woodland area in the northeastern portion of the site, facing south.



**Photo 47:** General overview of Woodland area in the southern portion of the site, facing south.



**Photo 48:** General overview of Woodland area in the western portion of the site, facing east.



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**Photo 49:** General overview of Non-Woodland area in the northern portion of the site, facing west.



**Photo 50:** General overview of Non-Woodland area in the eastern portion of the site, facing north.



**Photo 51:** General overview of Non-Woodland area in the southern portion of the site, facing east.



**Photo 52:** General overview of Non-Woodland area in the western portion of the site, facing north.



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