

WV Project CommuniTree



Spring 2013 Report

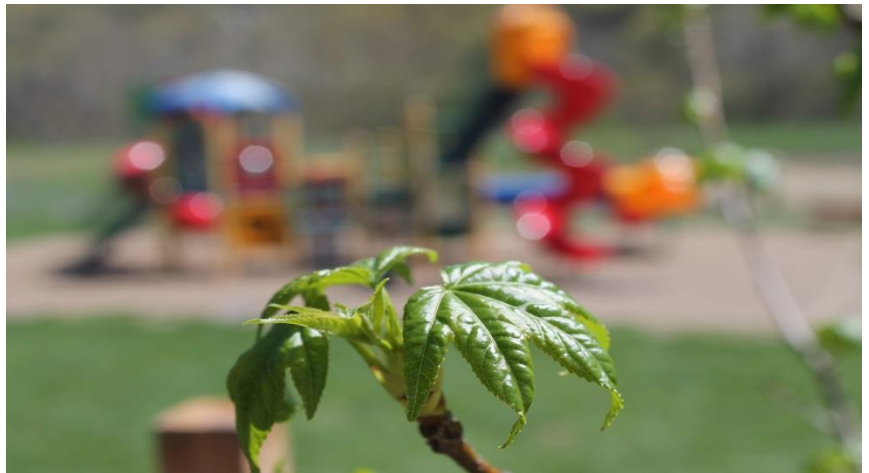
WV Project CommuniTree Spring 2013 Report

“Building Communities from the Roots Up”

BACKGROUND

WV Project CommuniTree (CTree) promotes tree planting and education on public land through volunteerism in the Potomac Headwaters of West Virginia (Berkeley, Grant, Hampshire, Hardy, Jefferson, Mineral, Morgan, & Pendleton counties). The program also focuses on enhancing and promoting awareness of watershed and riparian area needs such as storm water management, water quality issues, buffer zone planting, and soil erosion. The project is volunteer based and engages stakeholders in the process of making priority decisions within their respective communities and offers a strong educational message along with a physical planting component. CTree is a program of the WV Conservation Agency, WV Division of Forestry, and the WV Potomac Tributary Team that is engaged in on-the-ground actions throughout the Potomac headwaters.

In 2011, Cacapon Institute, in partnership with WVCA, WV-DOF, and WV-DOH, was awarded a three-year USDA Forest Service grant to expand CTree. We are recruiting volunteers throughout the Potomac Highlands with special emphasis on Mineral and Pendleton to boost impact in those counties.



WV Project CommuniTree in 2012

In 2012, nearly 1,400 volunteers planted a total of 726 urban trees at 21 planting sites across the Potomac Highlands. Teachers and students, adults and youth, seasoned volunteers and first-time tree planters came together to plant native trees in their streets, communities, and neighborhoods. It was through their dedication and hard work that CTree was able to succeed in 2012. Logging nearly 2,500 volunteer hours, these citizens exemplified what it means to build a community from the roots up.

Spring 2013

Spring 2013 was the third CTree planting cycle under the USDA Forest Service grant. The additional support from USDA Forest Service has allowed for a biannual grant process. To support this, in place of traditional reimbursable monetary grants, a process was created for groups to apply for “CTree Kits” (Table 1). Providing tree kits up front, in place of monetary reimbursement upon project completion, allowed many groups to apply that would have been unable to spend the money up front. Successful applicants also received support from partnering agencies. The kits include everything the groups need for organizing and implementing a tree plantings:

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- Trees in a variety of species and stock sizes
- Tubes and cages for deer protection
- Mulch to foster good root growth

A record number of sixteen groups successfully applied in the Spring 2013 and were awarded CTree Kits and technical support. A wide range of organizations participated, from elementary school students to seasoned adult volunteers and a total of 710 trees were planted from sixteen CTree Kits:

- 5 Shade kits
- 7 Flowering Kits
- 2 Stock Diversity Kits
- 1 Riparian Kit
- 1 Evergreen Kit



Each group was asked to provide a \$1,500 in-kind match in the form of volunteer labor or material, the anticipated average cost of a CTree Kit. Overall the groups produced \$46,706.81 in-kind match, \$22,706.81 beyond the 1:1 in-kind match required to offset the USDA Forest Service grant. The match was primarily in volunteer labor but some groups provided their own mulch and/or stakes as match. As of this report fifteen groups have exceeded their \$1,500 match goal. No group may apply for future CTree grants until they have met their match goal from prior plantings.



All the trees were planted on public land including WV DOH right-of-way, schools, and parks. Projects took place in all of the eight counties of WV's Potomac Basin – Jefferson, Berkeley, Morgan, Hampshire, Mineral, Hardy, Grant, and Pendleton.

Photos of past projects, a map of suggested planting sites, and the current CTree application are available at

www.cacaponinstitute.org/Forestry.htm. For additional questions and comments, please contact Tanner Haid, Urban Forestry Coordinator, at thaid@cacaponinstitute.org.

Table 1.	Description of CTree Kits
Table 2.	Breakdown by group of number of trees planted and stock size
Figure 1.	CTree planting sites spring 2013
Figure 2.	CTree plantings by county
Table 3.	Number of volunteers
Figure 3.	Percentage match per in-kind service provided
Table 4.	Spring 2013 expenses
Table 5.	Breakdown of match by project
Figure 4.	In-kind match provided by each group

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<u>Kit Name</u>	<u># of Trees</u>	<u>Stock Size</u>	<u>Species Size (Small, Medium, Large)</u>	<u>Example Species (SUBJECT TO VARIATIONS)</u>
Shade*	12	Balled-and-Burlapped**	Large (>50 ft)	2 Red Maple, 2 Red Oak, 1 Sweet Gum, 2 Tulip Poplar, 1 Sycamore, 1 Sugar Maple, 1 Pin Oak, 1 White Oak, 1 Chestnut Oak
Flowering*	24	Balled-and-Burlapped** and container	Medium (25-30 ft)	8 Serviceberry , 8 Flowering Dogwood, 8 Eastern Redbud
Stock Diversity	150	Tree Whip, Container, Balled-and-Burlapped**	Small, Medium, Large	3 Sycamore, 3 Black Cherry, 3 White Pine, 4 Red Oak, 4 Sweet Gum, 3 Basswood, 4 Tulip Poplar, 3 Pin Oak, 4 Red Maple, 3 Crabapple, 3 Redbud, 3 Viburnum Sp., 3 Dogwood Sp., 3 Buttonbush, 4 Spicebush, 100 tree whips (species based on availability)
Reforestation	150	Container, Tree Whips	Small, Medium, Large	5 Sycamore, 5 Black Cherry, 5 White Pine, 5 White Oak, 5 Red Oak, 5 Tulip Poplar, 5 Pin Oak, 5 Red Maple, 5 Crabapple, 5 Redbud, 5 Viburnum sp., 5 Hazelnut, 5 Gray Dogwood, 5 Spicebush, 80 tree whips (species based on availability)
Riparian	150	Container, Tree Whips	Small, Medium, Large	5 Sycamore, 25 Black Willow, 5 Cottonwood, 5 Swamp White Oak, 5 Shumard Oak, 5 Pin Oak, 5 Sweet Gum, 5 Hackberry, 6 River Birch, 6 Hornbeam, 8 Red Maple, 10 Hazel Alder, 10 Elderberry, 8 Viburnum Sp., 7 Buttonbush, 35 Dogwood tree whips
Evergreen	150	Tree Whip, Container	Large	25 Hemlock, 50 Loblolly Pine, 50 White Pine, 25 Spruce sp.

Table 1: WV Project CommuniTree kits.

KIT PICKUP LOCATIONS

Hardy County, WV Conservation Agency Moorefield Field Office, 60 C Industrial Park Road, Moorefield, WV 26508

Berkeley County, WV Division of Forestry, 145 Pilgrim Street, Inwood, WV 25428

* **Shade or Flowering kits** may be requested in a single species and stocking size instead of mixed species & size. If you request a single-species kit, please justify why in your narrative (Shade or Flowering kits only).

** **1.5" diameter trees** may be Balled & Burlapped or 15 gallon containers based on nursery stock.

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<u>Group Name</u>	<u>Kit</u>	<u># Trees</u>	<u>B&B</u>	<u>Container</u>	<u>Tree Whip</u>
Petersburg High School	Flowering	24	9	15	0
Petersburg Elementary School	Shade	12	12	0	0
Brandywine Elementary School	Shade	12	12	0	0
Jefferson County Parks and Recreation	Shade	12	12	0	0
Berkeley Springs High School	Riparian	32*	0	32	0
Shepherd Environmental Organization	Flowering	24	9	15	0
Martinsburg South High School	Flowering	24	9	15	0
City of Carpendale	Flowering	24	9	15	0
South Branch Watershed Coalition	Flowering	24	9	15	0
Moorefield Intermediate School	Shade	12	12	0	0
Grant County Housing Authority	Flowering	24	9	15	0
Morgan County Commission	Evergreen	150	0	25	125
City of Ranson	Stock Diversity	150	4	46	100
Blue Ridge Watershed Association	Shade	12	12	0	0
Musselman WET Club	Flowering	24	9	15	0
Knights of Columbus	Stock Diversity	150	4	46	100
TOTALS		710	131	254	325

Table 2: Successful applicants for spring 2013 and number of trees planted. B&B trees are Balled & Burlapped. *Berkeley Springs High School was awarded 150 trees but have only planted 32 at time of report.

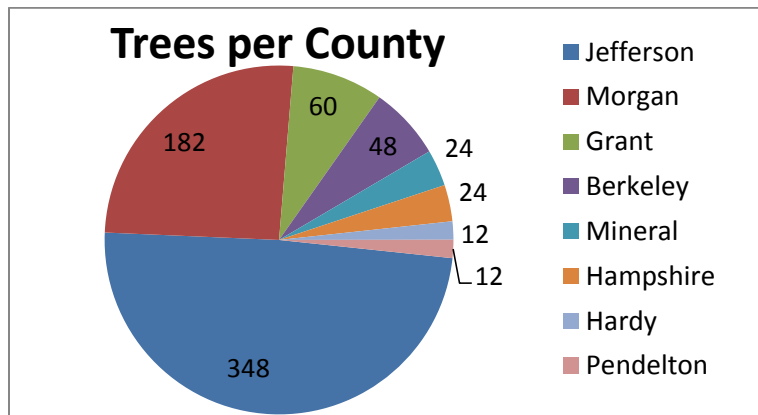


Figure 1: Trees planted per county

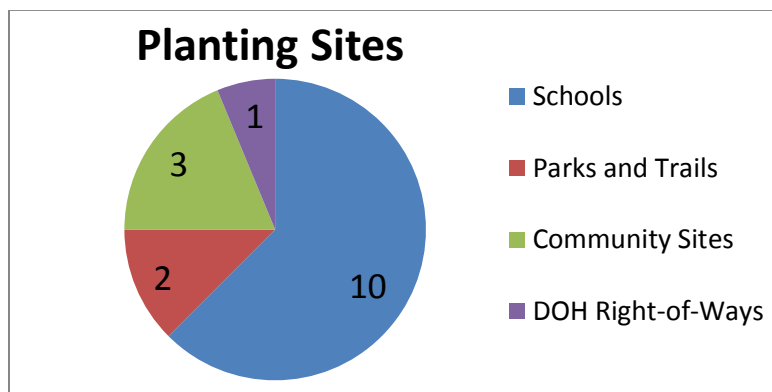


Figure 2: CTree planting sites spring 2013

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Group Name	Volunteers	Match Provided	Surplus/Deficit
Petersburg High School	11	1,711.00	211.00
Petersburg Elementary School	265	2,395.00	895.00
Brandywine Elementary School	145	3,601.50	2101.50
Jefferson County Parks and Recreation	16	1,516.91	16.91
Berkeley Springs High School	62	1,075.00	-425.00
Shepherd Environmental Organization	26	2,322.00	822.00
Martinsburg South High School	59	1,793.25	293.25
City of Carpendale	3	1,521.76	21.76
South Branch Watershed Coalition	19	2,396.00	896.00
Moorefield Intermediate School	345	6,731.00	5231.00
Grant County Housing Authority	8	2,111.50	611.50
Morgan County Commission	9	1,501.50	1.50
City of Ranson	37	6,539.04	5039.04
Blue Ridge Watershed Association	190	2,627.90	1127.90
Musselman WET Club	84	5,745.00	4245.00
Knights of Columbus	40	3,118.45	1618.45
TOTALS	1,257	\$ 45,631.81	\$ 21,631.81

Table 3: Number of volunteers at each planting and the in-kind match each group provided. Each group was asked to provide \$1,500.00 in-kind match to offset the cost of the CTree Kits and the value of the professional technical assistance. Berkeley Springs High School plans to make their \$1,500 in-kind match by performing maintenance in the summer and fall.

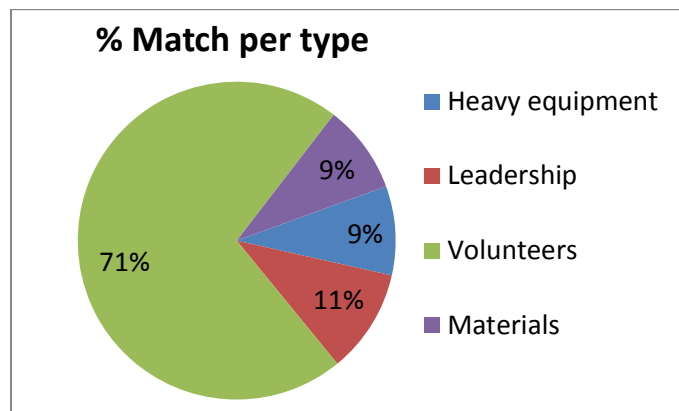


Figure 3: Percentage match per in-kind service provided.

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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>COST</u>
Trees	Moorefield Order	\$ 2,720.00
	Inwood Order	\$ 4,455.35
Stakes	Burch Wood Products	\$ 571.50
Tree Ties	Arbor Tie for staking trees/ wire flags	\$ 156.64
Tubes	Plantra 4 foot bark protectors	\$ 372.87
	Tube-X 2 foot tubes	\$ 269.84
	Cage wire, ties, hammer	\$ 531.68
	Cage Rebar	\$ 625.00
	Cage making contraption	\$ 35.08
Flagging	Tree location marking paint	\$ 4.98
Tree Whips	Bare root tree stock	\$ 143.75
Oozetubes	Watering bags (quantity = 200)	\$ 1,897.00
TOTAL		\$ 11,783.69

Table 4: Spring 2013 Expenses

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Type of Match	Petersburg High School	Petersburg Elem. School	Brandywine Elem. School	Jefferson County Parks and Rec.	Berkeley Springs High School	Shepherd ENV Organization	Martinsburg South High School	City of Carpendale	South Branch WS Coalition	Moorefield Interm. School	Grant County Housing Authority	Morgan County Comm.	City of Ranson	Blue Ridge WS Assoc.	Musselman WET Club	Knights of Columbus	TOTALS
Heavy equipment	\$ -	\$ 100.00	\$ 100.00	\$ 326.65	\$ 150.00	\$ 124.00	\$ 72.00	\$ 300.76	\$ 1,073.00	\$ 600.00	\$ 526.50	\$ 321.50	\$ 234.00	\$ 186.65	\$ -	\$ 117.45	\$ 4,232.51
Leadership	\$ 112.50	\$ 75.00	\$ 275.00	\$ 187.50	\$ 250.00	\$ 350.00	\$ 212.50	\$ 725.00	\$ 675.00	\$ -	\$ 550.00	\$ -	\$ 825.00	\$ 443.75	\$ -	\$ 262.50	\$ 4,943.75
Volunteers	\$ 1,448.50	\$ 2,145.00	\$ 2,460.00	\$ 931.00	\$ 675.00	\$ 1,398.00	\$ 1,466.25	\$ 446.00	\$ 480.00	\$ 5,617.00	\$ 885.00	\$ 1,145.00	\$ 4,110.00	\$ 1,965.00	\$ 5,595.00	\$ 2,563.50	\$ 33,330.25
Materials	\$ 150.00	\$ 75.00	\$ 766.50	\$ 71.76	\$ -	\$ 450.00	\$ 42.50	\$ 50.00	\$ 168.00	\$ 514.00	\$ 150.00	\$ 35.00	\$ 1,370.04	\$ 32.50	\$ 150.00	\$ 175.00	\$ 4,200.30
REPORTED MATCH	\$ 1,711.00	\$ 2,395.00	\$ 3,601.50	\$ 1,516.91	\$ 1,075.00	\$ 2,322.00	\$ 1,793.25	\$ 1,521.76	\$ 2,396.00	\$ 6,731.00	\$ 2,111.50	\$ 1,501.50	\$ 6,539.04	\$ 2,627.90	\$ 5,745.00	\$ 3,118.45	\$ 46,706.81
Required Match	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 24,000.00
Surplus	\$ 211.00	\$ 895.00	\$ 2,101.50	\$ 16.91	\$ 425.00	\$ 822.00	\$ 293.25	\$ 21.76	\$ 896.00	\$ 5,231.00	\$ 611.50	\$ 1.50	\$ 5,039.04	\$ 1,127.90	\$ 4,245.00	\$ 1,618.45	\$ 22,706.81
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Table 5: Complete breakdown of in-kind matches provided by Spring 2013 CTree groups.

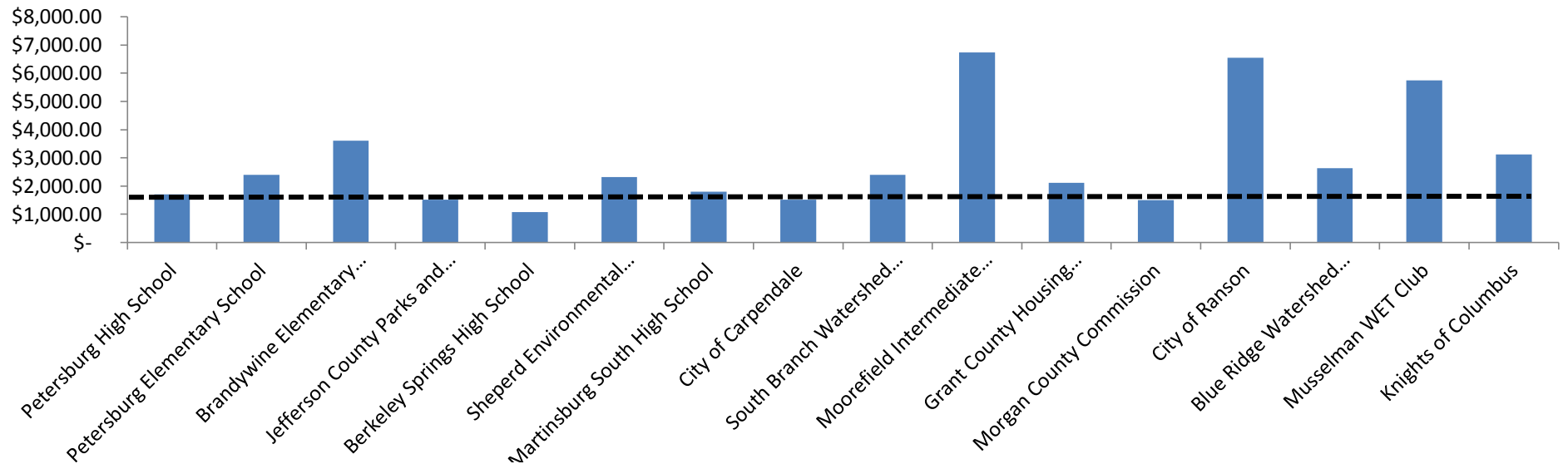


Figure 4: In-kind match provided per group