

**TABLES SHOWING PROPOSED TRAILHEAD SANITATION
SITES AND PROPOSED TREATMENT SITES FOR THE
MONONGAHELA FOREST-WIDE NONNATIVE INVASIVE
PLANT MANAGEMENT PROJECT**

USDA Forest Service
Monongahela National Forest
200 Sycamore Street
Elkins, WV 26241

Table 1. Trailhead sites proposed for NNIS plant sanitation measures.

Area	Trailhead
Otter Creek	Big Springs Gap (in Fernow Experimental Forest)
	Otter Creek Trail at the Dry Fork River
	Middle Point Trail at Stuart Knob
	Condon Run Trail at south end of Otter Creek Wilderness
Canaan Mountain	Plantation Trail at Highway 32
Dolly Sods/Roaring Plains	Red Creek Trail at Laneville
	Boar's Nest Trail at FR 19
	South Prong/Roaring Plains Trail at Forest Road 19
	Rohrbaugh Trail at Forest Road 19
	Wildlife Trail at Forest Road 75
	Fisher Spring Run Trail at Forest Road 75
	Northland Loop Trail at Forest Road 75
	Blackbird Knob Trail at Forest Road 75
	Bear Rocks Trail at Forest Road 75
North Fork Mountain and vicinity	North end of N. Fork Mountain trail at State Road 28/11
	Redman Run Trail at State Road 28/11
	Landis Trail at State Road 28/11
	North Fork Mountain Trail at Forest Road 79
	Seneca Rocks Trail on the east side of the North Fork River
	North Fork Mountain Trail near Highway 33
Seneca Creek and vicinity	Allegheny Mountain Trail at State Road 33/3
	Horton Trail at State Road 29
	Swallow Rock Trail at State Road 29
	Elza Trail at State Road 29
	Leading Ridge Trail at State Road 29
	Big Run Trail at State Road 29
	Huckleberry Trail at Spruce Knob
Laurel Fork and vicinity	Laurel River Trail – north end at State Road 10
	Laurel R. Trail at Laurel Fk. Campground (both directions)
	Camp Five Trail at Middle Mountain Cabins
	Laurel River Trail – south end at Forest Road 97
Upper Greenbrier River	West Fork Rail Trail – south end at Durbin
Cheat Mountain/Shaver's Mtn.	Gaudineer Scenic Area loop trail

Area	Trailhead
	Stonecoal Trail at Forest Road 92
	Whitmeadow Ridge Trail at Forest Road 92
	Crouch Ridge Trail at Forest Road 92
	Yokum Ridge Trail Forest Road 92
	High Falls Trail at Forest Road 44
Highland Scenic Highway vicinity	Gauley Mountain Trail
	Tea Creek Mountain trail
	Williams River trail at Tea Creek Campground
	Bannock Shoals trail at Tea Creek Campground
	Big Beechy Trail
	North-South Trail
	Black Mountain Trail (both ends)
	Forks of Cranberry Trail
Cranberry vicinity	Pocahontas Trail at Cranberry Mountain Nature Center
	Cranberry Glades loop trail
	Gate at southern end of Cranberry Backcountry
	Gate at northern end of Cranberry Backcountry
	Kennison Mountain Trail at Highway 39
	Gate near south end of Dogway Road (Forest Road 232)
	Falls of Hills Creek parking area
	Eagles Camp Trail at Highway 39
	Middle Fork Trail at Three Forks
Rimel Area	Laurel Creek Trail at Rimel picnic area
	Two Lick Trail at Pocahontas Campground
White Sulphur District	Lake Sherwood Day Use Area
	Blue Bend loop trail
	Anthony Creek trail

Table 2. Proposed NNIS treatment sites in the Parsons area.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
Mail Route trail	Garlic mustard	0	0.06	Foliar spray, hand pull	Glyphosate	May require coordination with Highway Dept.
Smoky Hollow Road	Garlic mustard	0	0.02	Foliar spray, hand pull	Glyphosate	Will require coordination with Highway Dept.
Horseshoe YMCA camp	Oriental bittersweet	0	0.01	Cut surface, foliar spray, grubbing	Triclopyr, glyphosate	Re-plant non-invasive ornamental; foliar spray limited to seedlings
Horseshoe YMCA camp	Common privet	0	0.01	Cut surface, foliar spray, grubbing	Glyphosate, triclopyr, metsulfuron methyl	Re-plant non-invasive ornamental; foliar spray limited to seedlings
Cheat District warehouse	Oriental bittersweet	0	0.02	Cut surface, foliar spray, grubbing	Triclopyr, glyphosate	Foliar spray limited to seedlings
Acre totals		0	0.12			

Table 3. Proposed NNIS treatment sites in the Otter Creek vicinity.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
Stuart Park	Japanese stiltgrass	0	0.01	Foliar spray, hand pull, mow	Imazapic, sethoxydim	
Stuart park	Garlic mustard	0.43	0.01	Foliar spray	Glyphosate, triclopyr	
Bickle Knob	Garlic mustard	102	6	Foliar spray	Glyphosate, triclopyr	
Shaver's Mountain	Japanese stiltgrass	0	0.50	Foliar spray, hand pull	Imazapic, sethoxydim	
SR 26 Dry Fork ford	Garlic mustard	0	0.02	Foliar spray, hand pull	Glyphosate	Block illegal ATV access
Shaver's Mtn openings & roads	Reed canary grass	16	8	Foliar spray	Glyphosate, sethoxydim	May need to re-seed openings
Five Lick openings & roads	Reed canary grass	15	7	Foliar spray	Glyphosate, sethoxydim	May need to re-seed openings
Highway 33 Glady Fork bridge	Garlic mustard	0.28	0	Foliar spray, hand pull	Glyphosate	
Acre totals		134	22			

Table 4. Proposed NNIS treatment sites in the Dolly Sods vicinity.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
Forest Roads 75 & 19	Reed canary grass	43	0	Foliar spray	Glyphosate, sethoxydim	Widely scattered patch spraying
FR 75 at Fisher Spg. Run BA	Garlic mustard	0	0.01	Hand pull, foliar spray	Glyphosate, triclopyr	
Acre totals		43	0.01			

Table 5. Proposed NNIS treatment sites in the Smoke Hole area.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
Blue Rock/ Wolf Hollow	Japanese stiltgrass	173	18	Foliar spray, mowing, hand pull	Imazapic, sethoxydim, glyphosate	Hand pulling may be needed near rare plants
West of Blue Rock	Japanese stiltgrass	12	6	Foliar spray, mowing, hand pull	Imazapic, sethoxydim, glyphosate	Hand pulling may be needed near rare plants
West of Blue Rock	Viper's bugloss	10	0	Hand pull, foliar spray	Glyphosate, clopyralid, sulfometuron methyl	Hand pulling may be needed near rare plants
East of Big Bend	Viper's bugloss	0	29	Hand pull, foliar spray	Glyphosate, clopyralid, sulfometuron methyl	Hand pulling may be needed near rare plants; control cattle, vehicle, & foot access
East of Big Bend	Spotted knapweed	0	29	Hand pull, foliar spray	Triclopyr, glyphosate, clopyralid, picloram	Hand pulling may be needed near rare plants; control cattle, vehicle, & foot access
Cave Mtn. near Brushy Run	Tree of heaven	159	0	Basal spray, cut surface, foliar spray	Triclopyr, glyphosate, metsulfuron methyl	Foliar spray limited to seedlings
Big Mountain near Upper Tract (4 stands)	Tree of heaven	85	0	Basal spray, cut surface, foliar spray	Triclopyr, glyphosate, metsulfuron methyl	Foliar spray limited to seedlings
Big Mountain near Upper Tract (3 stands)	Autumn olive	84	0	Basal spray, cut surface, foliar spray	Triclopyr, glyphosate, metsulfuron methyl	Foliar spray limited to seedlings

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
Big Mountain near Upper Tract (1 stand)	Bush honeysuckle	52	0	Basal spray, cut surface, foliar spray	Glyphosate, metsulfuron methyl	Foliar spray limited to seedlings
Pretty Ridge (1 stand)	Tree of heaven	40	0	Basal spray, cut surface, foliar spray	Triclopyr, glyphosate, metsulfuron methyl	Foliar spray limited to seedlings
Acre totals		615	82			

Table 6. Proposed NNIS treatment sites in the Seneca Creek vicinity.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
Brushy Run mine	Garlic mustard	224	0	Foliar spray	Glyphosate, triclopyr	Patch spraying necessary along roads. Minimize impacts to running buffalo clover. Curb ATV use.
FR 112 and vicinity east of Spruce Knob	Garlic mustard	11	0	Foliar spray, hand pull	Glyphosate, triclopyr	Block access to non-system road
Gatewood group camp	Garlic mustard	4	0	Foliar spray, hand pull	Glyphosate, triclopyr	
Acre totals		239	0			

Table 7. Proposed NNIS treatment sites in the Laurel Fork vicinity.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
Middle Mountain Road near Laurel Fork North	Garlic mustard	0	0.02	Foliar spray, hand pull	Glyphosate, triclopyr	May require coordination with Highway Department
FR 97 – Middle Mtn Road intersection near Laurel Fork South	Garlic mustard	0	0.02	Foliar spray, hand pull	Glyphosate, triclopyr	May require coordination with Highway Department
Cunningham Knob grazing allotment	Brown knapweed	26	12	Foliar spray, biological control	Triclopyr, glyphosate, clopyralid, picloram	Reseeding of grasses likely will be needed
Acre totals		26	12			

Table 8. Proposed NNIS treatment sites in the East Fork Greenbrier/Burner Mountain vicinity.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
Blister Swamp	Yellow iris	1.7	0	Foliar application (wick/glove)	Glyphosate	Use aquatic formulation of glyphosate
FR 14 near Camp Pocahontas	Garlic mustard	3.5	0	Foliar spray, hand pull	Glyphosate, triclopyr	
Camp Pocahontas	Japanese stiltgrass	0	0.01	Foliar spray, hand pull, mow	Imazapic, sethoxydim, glyphosate	
Island Campground	Bush honeysuckle	11	0	Cut surface, basal spray, foliar spray, grubbing	Glyphosate, metsulfuron methyl	Foliar spray limited to seedlings
Burner Mountain openings and roads	Reed canary grass	112	13	Foliar spray	Glyphosate, sethoxydim	May require coordination with Highway Department
Acre totals		128	13			

Table 9. Proposed NNIS treatment sites in the Cheat Mountain/Shaver's Mountain vicinity.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
Gaudineer Scenic Area	Garlic mustard	10	0	Hand pull, foliar spray	Glyphosate, triclopyr	Hand pulling preferred in this popular wildflower viewing area
FR 278 to old mine	Garlic mustard	2.6	0	Foliar spray, hand pull	Glyphosate, triclopyr	Store road to eliminate future source of NNIS
Roads near Glade Run and Blister Run botanical areas	Reed canary grass	59	0	Foliar spray	Glyphosate, sethoxydim	Store FR 1153 to eliminate future source of NNIS
Blister Run Botanical Area and nearby FR 27	Bush honeysuckle	326	0	Basal spray, cut surface, foliar spray, grubbing	Glyphosate, metsulfuron methyl	Foliar spray limited to seedlings. May require coordination with Highway Dept. along US 250.
FR 27 near Blister Run Botanical Area	Japanese barberry	0.85	0	Basal spray, cut surface, foliar spray, grubbing	Triclopyr, glyphosate	Foliar spray limited to seedlings
Forest Road 92 and nearby roads and openings	Reed canary grass	284	0	Foliar spray	Glyphosate, sethoxydim	Store Forest Roads 866 (part), 405, 789, 759, 92A. Store non-system roads along Stonecoal Run, Red Run, and near FR 92.
FR 1560 near McGee Run	Garlic mustard	0	0.02	Foliar spray, hand pull	Glyphosate, triclopyr	

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
FR 765 near McGee Run	Japanese stiltgrass	0	0.06	Foliar spray, hand pull, mow	Imazapic, sethoxydim, glyphosate	
FR 765 near McGee Run	Japanese barberry	0	0.02	Basal spray, cut surface, foliar spray, grubbing	Triclopyr, glyphosate	Foliar spray limited to seedlings
End of FR 1560C near Shaver's Run	Japanese barberry	0	0.02	Basal spray, cut surface, foliar spray, grubbing	Triclopyr, glyphosate	Foliar spray limited to seedlings
Acre totals		682	0.12			

Table 10. Proposed NNIS treatment sites in the Ramshorn and Shock Run project areas.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
FR 1678 Sutton Run	Garlic mustard	10	0	Foliar spray, hand pull	Glyphosate, triclopyr	
Ramshorn grazing allotment	Common privet	0	0.01	Basal spray, cut surface, foliar spray, grubbing	Glyphosate, triclopyr, metsulfuron methyl	Foliar spray limited to seedlings
FR 90D Left Prong Galford	Japanese stiltgrass	0	0.01	Foliar spray, hand pull, mow	Imazapic, sethoxydim, glyphosate	
FR 90 and 90A Galford Run	Garlic mustard	34	0	Foliar spray, hand pull	Glyphosate, triclopyr	
Chestnut Ridge – Stony Run area	Garlic mustard	2,395	28	Foliar spray	Glyphosate, triclopyr	Garlic mustard is very widely scattered in the spot spray area
FR 757 Stony Run	Japanese stiltgrass	0	0.01	Foliar spray, hand pull, mow	Imazapic, sethoxydim, glyphosate	
FR 55 and connected roads, trails, harvest units	Garlic mustard	173	21	Foliar spray	Glyphosate, triclopyr	
Acre totals		2,612	49			

Table 11. Proposed NNIS treatment sites in the Buzzard Ridge area.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
FR 1026	Garlic mustard	0	0.06	Foliar spray, hand pull	Glyphosate, triclopyr	

Table 12. Proposed NNIS treatment sites in the Highland Scenic Highway vicinity.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
Highland Scenic Highway shoulders	Multiple	190	0	Foliar spray	Triclopyr, metsulfuron methyl, fosamine ammonium	Will require coordination with Highway Department
Tea Creek Campground area	Garlic mustard	0	0.03	Foliar spray, hand pull	Glyphosate, triclopyr	
FR 1796 near Day Run	Garlic mustard	13	0	Foliar spray, hand pull	Glyphosate, triclopyr	
Acre totals		203	0.03			

Table 13. Proposed NNIS treatment sites in the Cranberry-Dogway area.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
FR 102 near Cranberry Glades	Reed canary grass	13	0	Foliar spray	Glyphosate, sethoxydim	
Cranberry glades parking area	Crown vetch	0	0.001	Foliar spray, mowing, grubbing	Triclopyr, glyphosate, clopyralid, metsulfuron methyl	
FR 102/76 (Cranberry River) and FR 78/232 (Dogway Fork)	Garlic mustard	94	0	Foliar spray, hand pull	Glyphosate, triclopyr	
Highway 39 adjacent to Yellow Poplar Candidate Research Natural Area	Garlic mustard	7	0	Foliar spray, hand pull	Glyphosate, triclopyr	Will require coordination with Highway Dept.
State Road 39/5 along Coats Run	Garlic mustard	0	0.02	Foliar spray, hand pull	Glyphosate, triclopyr	May require coordination with Highway Dept.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
Summit Lake Dam	Bush honeysuckle, autumn olive	11	0	Cut surface, basal spray, foliar spray, mowing	Glyphosate, triclopyr, metsulfuron methyl	
Summit Lake boat launch	Yellow iris	0	0.05	Foliar application (wick or glove)	Glyphosate	Must use aquatic formulation of glyphosate
Middle Fork trailhead at Three Forks	Garlic mustard	0	0.1	Foliar spray, hand pull	Glyphosate, triclopyr	Need to verify location relative to wilderness boundary
Acre totals		125	0.17			

Table 14. Proposed NNIS treatment sites in the Middle Mountain area.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
FR 790, 952, 962, 962C, and associated trails and openings	Garlic mustard	106	14	Foliar spray, hand pull	Glyphosate, triclopyr	
FR 790 at Middle Mtn. Trail	Tree of heaven	0	0.02	Basal spray, cut surface, foliar spray	Triclopyr, glyphosate, metsulfuron methyl	
Acre totals		106	14			

Table 15. Proposed NNIS treatment sites in the Anthony Creek area.

Site	Species	Spot acres	Continuous acres	Possible Methods	Possible Herbicides	Comments
Meadow Creek Botanical Area	Chinese yam	0	0.01	Foliar spray, grubbing, mowing	Glyphosate	
State Road 15/3 adjacent to Whites Draft 1 Botanical Area	Crown vetch	0	0.04	Foliar spray, mowing, grubbing	Triclopyr, glyphosate, clopyralid, metsulfuron methyl	Will require coordination with Highway Dept.
State Road 15/3 adjacent to Whites Draft 1 Botanical Area	Garlic mustard	0	0.04	Foliar spray, hand pull	Glyphosate, triclopyr	Will require coordination with Highway Dept.
State Road 15/3 adjacent to Whites Draft 1 Botanical Area	Japanese honeysuckle	0	0.02	Foliar spray	Glyphosate, metsulfuron methyl	Will require coordination with Highway Dept.
Blue Bend recreation area	Garlic mustard	8	0	Foliar spray, hand pull	Glyphosate, triclopyr	
Acre totals		8	0.11			