

Trees for Tribs Spring 2021 Planting Plan Gardiner Bike Path



Approximate Planting Location

Event Details:

- **Date:** Plant Delivery 5/5/21; Planting Event 5/8/21 **Start Time:** 9AM
- **Estimated Planting Time:** ~275 hours including site prep
- **Planting Prep:** Cleared existing vegetation from the area of the planting in advance of the delivery date.
 - Flagged ~10 straight rows to create a grid (10 rows wide by 30 long). Rows were arranged in parallel lines along the planting boundary. They are parallel and spaced >10 feet apart so mowing between rows is possible during seedling establishment.

Planting Area Description:

The planting area is along the Wallkill River on a parcel of land owned by the Town of Gardiner. The Spring 2021 planting area (marked in pink on the map) extends ~320 feet from the opening in the forest near the southern border of the property towards the river bend. To try to meet the requirements of a Climate Smart Community Action for a larger riparian buffer revegetation, the planting extends the existing buffer width by 120 ft. Measurements are based on GPS points taken on site.

- **Sun Exposure:** Sun to Part Shade
- **Wetness:** Moist with occasional flooding
- **Existing native woody plants:** Silver Maple, Red Cedar, Sycamore, Shagbark Hickory, Bitternut Hickory, Pignut Hickory, White Oak, Black Cherry, Box Elder, Ash, Basswood.
- **Length Planted Along River:** ~320 ft.
- **Buffer Width:** ~120 ft.
- **Square Feet of Planted Area:** ~38,400 sq ft.

Note About Future Plantings at this Location: Partners from Climate Smart Gardiner have expressed interest in restoring more of the ~2,000 feet of riverfront on that parcel with future plantings.

Plant List:

Trees and shrubs were selected for this site based on our spring plant availability and for their ability to grow in full sun or partial shade, in moderately to well drained soils.

- **Total Plants:** 300 (Plant all seedlings with ~10 ft spacing)
- **Trees:** 170
- **Shrubs:** 130

Trees: (170)

- 10 Red Maple (*Acer rubrum*)
- 12 Sugar Maple (*Acer saccharum*)
- 15 Silver Maple (*Acer saccharinum*)
- 2 Serviceberry (*Amelanchier canadensis*)
- 23 River Birch (*Betula nigra*)
- 5 Ironwood/ Blue beech (*Carpinus caroliniana*)
- 1 Eastern Redbud (*Cercis canadensis*)
- 14 Flowering Dogwood (*Cornus florida*)
- 3 Butternut (*Juglans cinerea*)
- 10 Black Walnut (*Juglans nigra*)
- 10 Red cedar (*Juniperus virginiana*)
- 20 Tulip Tree (*Liriodendron tulipifera*)
- 2 Black Gum (*Nyssa sylvatica*)
- 8 White Pine (*Pinus strobus*)
- 4 Sycamore (*Plantanus occidentalis*)
- 5 Swamp White Oak (*Quercus bicolor*)
- 15 Red Oak (*Quercus rubra*)
- 11 Basswood (*Tilia americana*)

Shrubs: (130)

- 10 Silky Dogwood (*Cornus amomum*)
- 15 Red-Osier Dogwood (*Cornus sericea*)
- 15 Hazelnut (*Corylus americana*)
- 10 Witchhazel (*Hamamelis virginiana*)
- 10 American Plum (*Prunus americana*)
- 10 Swamp Rose (*Rosa palustris*)
- 20 Pussy Willow (*Salix discolor*)
- 10 Elderberry (*Sambucus nigra*)
- 10 Arrowwood (*Viburnum dentatum*)
- 20 Nannyberry (*Viburnum lentago*)

Materials:

Plant protection:

The following were installed on all trees and shrubs to provide protection from deer and other animal damage and reduce plant competition during establishment.

- 5ft tall tree tubes, with stakes.
- 3ft x 3ft weed mats, with staples for installation

Two Trees for Tribs sign were posted the sign on the property – see next page.

Refer to planting guide for more details on planting and installation:

https://www.dec.ny.gov/docs/remediation_hudson_pdf/hrewplant16.pdf

Regular Maintenance After Planting:

Maintenance of your Trees for Tribs is essential to assure the long-term success of your plants and the overall strength of your new stream buffer. Plan to spend time each month of the first few years caring for your new trees and shrubs to ensure their successful establishment. Please see our Maintenance Guide and Calendar for step-by-step instructions:

- Maintenance Guide:
www.dec.ny.gov/docs/remediation_hudson_pdf/hrewcare16.pdf
- Maintenance Calendar:
www.dec.ny.gov/docs/lands_forests_pdf/tftcalchecklist.pdf
- Invasive Management
http://lhprism.org/system/files/documents/Hudsonia%20BMPs_Invasive%20Plants%20with%20Appendix_0.pdf

Invasive Control Guides:

We recommend that you watch for invasive plants and control them, at least to the extent that they interfere with the growth of your new native seedlings. During the site visit we saw the following invasive plants:

- Mugwort and tall grasses
- Multiflora rose
- Japanese Barberry
- Tree of Heaven
- Autumn Olive
- Honeysuckle vine

Post Planting/ Maintenance Contact

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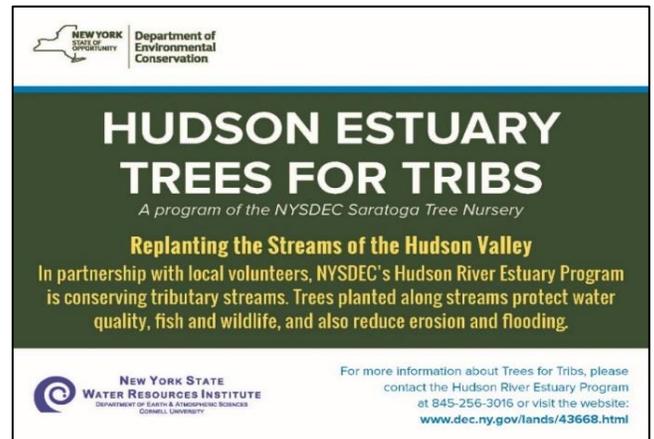
Trees for Tribs Contact

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Trees for Tribs sign (actual size is 9in x 12in)