



1020 Humboldt Parkway

Buffalo, New York

14211-1208

Phone 716-896-5200

Fax 716-897-6723

[www.sciencebuff.org](http://www.sciencebuff.org)

October 24, 2011

Tifft Nature Preserve  
1200 Fuhrmann Blvd.  
Buffalo, NY 14203

Dear Greenway Ecological Standing Committee,

This letter is to report on activities and expenditures during the second year of the Tree Regeneration at Tifft Nature Preserve project funded by the Greenway Ecological Standing Committee and to request disbursement of the last \$100,000 installment for the third year of the project. This information complements the presentation given to the committee on August 25, 2011.

A detailed list of expenditures and activities from the second year is included, as well as a budget for year three funding. Major accomplishments include the planting of 848 native trees and shrubs of 19 different species. This brings the two year total for this project to 1,227 trees planted. There was also control of invasive species on an additional two acres of the preserve. All trees and shrubs are protected from deer browsing by tree shelters and tree survival has been high. We also brought a *Wildlife Ecology ALC* educational program to a disadvantaged eastside school and offered a *Forest Dynamics Summer Science Institute* at Tifft Nature Preserve. Both programs were at no cost to the school or students. Documentation of all activities and expenditures can be provided upon request. This has already been a successful project, but we set the goal of 2,000 trees at Tifft Nature Preserve, the third year of funding will make that possible.

Please let me know if the committee has any questions or if I can provide any additional information. I can be reached at 716-825-6397 or [dpsiering@sciencebuff.org](mailto:dpsiering@sciencebuff.org). Thank you for your support of this project at Tifft Nature Preserve.

Sincerely,  
*David Spiering*

David Spiering  
Ecologist – Tifft Nature Preserve  
Buffalo Museum of Science

## Year 2 Expenditures from Greenway Ecological Standing Committee Funding

<u>Category</u>		<u>Description</u>
Staff Implementation	\$25,000.00	Salary for Ecologist, Experience Manager, Educators, Ecology Technician
Administration	\$10,000.00	Business and operating expenses for Tiff Nature Preserve
Tree Planting	\$29,148.67	Trees & shrubs, planting plan, fencing & tree protection, wood chips, etc.
Invasive Species Control & Site Prep	\$10,992.84	Mechanical brush removal, herbicide
Supplies & Equipment	\$5,352.17	Hand tools, safety equipment, tree water equipment, tree protection supplies, etc.
Educational Programming & Research	\$694.50	Interpretive signage, busing, memory cards, batteries, potting soil
<b>Total</b>	<b>\$81,188.18</b>	Expenditures as of Sept. 30, 2011

## Funding and In-Kind Support from Additional Sources (Grant Match)

<u>Category</u>		<u>Description</u>	<u>Source</u>
Staff Implementation	\$15,000.00	Salary for Ecologist & Educators	Buffalo Museum of Science
Tree Planting	\$2,729.30	Purchase of trees	Friends of Tiff Nature Preserve
Donations of Goods & Services	\$1,000.00	Utility Trailer, Trees, Tree Planting Services	Members of Friends of Tiff NP
Volunteer Hours	\$4,074.50	191 Volunteers for 562 Hours	Local Volunteers
<b>Total</b>	<b>\$22,803.80</b>	Assistance as of Sept. 30, 2011	

## Year 2 Project Stats and Achievements

- 848 native trees & shrubs planted of the following 19 species:

Sycamore, Red maple Eastern cottonwood, Swamp white oak, Silver maple, Shagbark hickory, Bitternut hickory, Butternut, Black Walnut, Basswood trees, Black willow, Staghorn sumac, White pine, American Elm, Sweet gum, Baldcypress, Gray birch, Black cherry, Hackberry

- 2 acres of invasive woody brush (buckthorn & honeysuckle) cutting and control
- Expansion of control projects for Japanese knotweed using weed barrier fabric and native plantings
- 10 Work Days using 191 Volunteers for 562 Hours including two large volunteer tree planting events:
  - *350 Tree Planting at Tiff* to educate volunteers on the benefits trees for wildlife and to mitigate climate change
  - *Re-Tree Tiff* in partnership with Re-Tree WNY to collaborate on the goal of sustaining an urban forest and trees
- Offered pilot version of *Wildlife Ecology ALC* educational program to underperforming eastside school in partnership with Daemen College education students (at no cost to the school)
- Implementation of *Forest Dynamics Summer Science Institute* with enrollment of 15 upper elementary and middle school students (at no cost to the students)
- Publication of the peer-reviewed research article on the effectiveness of alternative herbicides for the control of Japanese knotweed (available online at <http://www.sciencebuff.org/research/publications/bulletin/>)

### Year 3 Budget for Greenway Ecological Standing Committee Funding

<u>Category</u>		<u>Description</u>
Staff Implementation	\$25,000	Salary and support for Experience Manager, Educators, Ecology Technician
Administration	\$10,000	Business and operating expenses for Tifft Nature Preserve
Tree Planting	\$30,000	Trees & shrubs, planting plan, fencing & tree protection, wood chips, etc.
Invasive Species Control & Site Prep	\$20,000	Mechanical and chemical invasive species treatment, contracted labor
Supplies & Equipment	\$5,000	Hand & power tools, safety equipment, supplies, gas, etc.
Educational Programming & Materials	\$5,000	<i>Forest Dynamics</i> summer camp, <i>Wildlife Ecology ALC</i> , interpretive signage
Research	\$5,000	Soil testing and amendment study
<b>Total</b>	<b>\$100,000</b>	

### Funding and In-Kind Support from Additional Sources (Grant Match)

<u>Category</u>		<u>Description</u>	<u>Source</u>
Staff Implementation	\$15,000	Salary for Tifft Staff	Buffalo Museum of Science
Tree Planting	\$2,500	Purchase of trees and supplies	Friends of Tifft Nature Preserve
Volunteer Hours	\$2,500	Assistance during organized work days	Local Volunteers
<b>Total</b>	<b>\$20,000</b>		