

Lakeshore Nature Preserve
Budgeted Expense Descriptions by Gift Funding
March 1, 2009-February 28, 2010 (FY09)

Approved (with revisions) at Preserve Committee meeting Jan. 27, 2009

Unrestricted Gifts/Preserve-wide activities

Stewardship Fund	\$69,400
Preserve Endowment	\$ 5,500

Signs and Benches:

Eight trailhead signs, thirty directional signs, five benches

Land Care

Target Weed Control

\$1600 contracted herbicide of thistle and leafy spurge Class of 1918 Marsh, Lakeshore Path swales, and around the Picnic Point field, \$1000 for other contract herbaceous and \$2000 contracted removal of trees and shrubs plus chemical materials.

420 staff hours (plus volunteer hours) and \$1,000 herbicide and supplies to control target herbaceous and woody vine weed species throughout the Preserve in addition to focused site improvements that include weed control. Dig, pull, monitor herbaceous weeds April to October, lead weed work parties, recruit volunteers for work parties using website and published notices, plan and execute garlic mustard pull-a-thon with Friends of the Lakeshore Preserve. Spot kill invasive and nuisance plants. Focus on garlic mustard, selected invasive vine and disturbance plants throughout the Preserve.

Care and incremental site specific improvements

594 staff hours plus 104 unpaid intern hours plus volunteers and \$4500 of supplies, erosion control materials, plants, tools, field signs.

Care for plants, control weeds, maintain trails and erosion structures in Muir Woods, East Lakeshore Path, Limnology Garden. Care for plantings, control weeds, mow Picnic Point entrance, Lot 34, University Houses Gardens south perimeter. Weed and mow old orchard, kiln sites, prairie perimeter and northwest corner of Bills Woods. Complete Lot 34 stormwater management project by repeat planting of infiltration basin, removal of buckthorn in erosion channel on shoreline and replacement with erosion matting and planting. Continue to open filtered views of the lake and to increase light for groundlayer establishment along east lakeshore path by removal of branches of honeysuckle and buckthorn. Remove remainder of undesirable plants to establish pedestrian trail east of Biocore prairie. Care for trails. Complete conversion of former EHG garden peninsula into seed production "nursery". Monitor success of shoreline plantings.

Curriculum assistance:

20 paid Fire Boss hours to plan and supervise burn of Biocore Prairie.

New activities

350 staff hours (plus volunteers):

Recruit volunteers and unpaid internships through website, newspaper, Friends newsletter, other outreach to faculty, staff, students, community. Expand intern and volunteer site work supervision. Establish a seed bank monitoring plot for Picnic Point tip project by removal of undesirable shrubs from a small representative section adjacent to the tip.

Restricted Gifts

<p>Academic Fund Students complete data collection in Tent Colony Woods plots</p>	\$3,300
<p>Cronon Fellowship Employ student 20 hours per week June 1-August 15 for land care project assistance.</p>	\$2,400
<p>Blitzer Audio tour: Develop a 10-station audio tour of Preserve natural and cultural history stories.</p>	\$4,000
<p>Muir Woods-East Lakeshore Path (Class of 1963) Install Kiosk structure and interpretive panels east end of Lakeshore Path, trailhead sign at Muir Knoll, Bench at Willow Creek, seven directional signs.</p>	\$17,000
<p>Central Path/Willow Creek to Picnic Point (Class of 1953) 750 staff hours and \$1500 of seed, plants, herbicide to complete shoreline planting plans, recruit and supervise volunteers and interns, remove undesirable brush, plant shoreline with help from volunteers, weed and care for 2008 plantings, kill reed canary grass, repeatedly cut cattail in Triangle Marsh and on shoreline,</p>	21,500
<p>Tent Colony Woods (Class of 1955) \$2500 of plant materials, \$9,000 for materials/ services for vegetation and erosion control, brush chipping, canopy opening to increase light to oak trees, remove seeding box elders in 2008 shoreline project areas. 980 staff hours to control undesirable plants, maintain 2007 and 2008 plantings, improve trails, create lake views, improve bench sites, organize, advertise, supervise the first Preserve EARTH DAY event to plant wildflowers in Tent Colony Woods. Remove cut brush, weed, and prevent soil erosion after 100 hours of winter contracted cutting. Monitor and evaluate ground layer response to removals. Implement erosion remediation planting of one storm water channel that can succeed within existing stormwater conditions. Recruit community volunteers to care for improvements.</p>	36,300
<p>Frautschi Point (Frautschi Endowment) Signs: Ten directional signs, one Trailhead sign Land Care: 850 staff hours plus Audubon intern and unpaid intern services, volunteers, \$5,000 vegetation management contract services, \$2,000 seed, plant, erosion control materials. Control undesirable plants and care for 2008 cleared and planted areas, install erosion controls as needed on shoreline, remove undesirable vegetation from around young red oak in triangle, clear approximately 1 acre at beginning of Big Oak Trail using two methods to monitor for relic plant bank. Improve trails, install field vehicle access route to field edge from parking lot, implement erosion check dams to reduce gully erosion, recruit volunteers for trail and fireplace care, plant donated plants for habitat thicket.</p>	29,750
<p>Willow Creek Woods 160 staff hours plus 25 hours Audubon intern hours mowing, weeding Unit 1 \$4,000 contracted removal selected trees winter 09-2010, \$1,000 materials, clearing, weeding, raking, seeding unit 2 spring-summer 09.</p>	\$7,700
	TOTAL \$196,850

