

ANNUAL REPORT FOR CPCS MINI-GRANT, SUMMARIZED FACTSHEET

Community Partners for Clean Streams

For Thurston Nature Center, April- December 2020, Cathleen Cat Adams

Project Description: At the Thurston Nature Center, the TNC community of volunteers built in and maintain a Remediation Rain Garden, in the transitional zone, that exists between the Butterfly Hummingbird Rain Gardens' trellis area and TNC woodland.

We converted 710 square feet of wet, degraded turf grass into a Rain Garden, with an approximately 190 square feet built-up berm to serve as a raised walkway for accessible pedestrian circulation and as an elevated buffer to contain the Rain Garden basin.

This new Rain Garden Project is created to: promote clean water initiatives, remediate standing water, prevent further erosion, reduce flooding, and provide improvements for water and air quality. Also, this Project interconnects existing TNC ecosystems, and creates a more viable and verdant landscape. This new Rain Garden improves water quality in more than one way: creates an eco-friendly habitat for healthy bacteria (filter for animal waste), supports TNC's ongoing ethics of conservation stewardship. This design aides in TNC to work in harmony with Mother Nature's environment, that is frequently enjoyed both passively and actively by visitors.

Summary of Volunteer and Work Hours:

May into beginning of June, 2020

Site demarcation (2 people, 1 hour), meeting **wildtype** Nursery for delivery (3 people, .5 hour), flats in foster care from heat wave till planting out (4 people, 1 hour); **Approx. Total number of hours = 7**

Creation of basin for RG: sod cutting, piling up of sod (4 people, 2.5 hours); **Total number of hours = 8**

Nursery shopping, loading and unloading of sod & mulch (7 people, 1 hour); **Total number of hours = 7**

Preparing the basin for plantings by spreading 58 bags of soil, creating berm/walkway on RG edge, planting, and then mulching, and watering during this **over two work days** (50 people in overlap of timeframes, thus estimate of hours~ 1 each); **Total number of hours = 50**

Grand Total number of hours from site demarcation till planting in all flats and first watering = **72 hours**

June through September into October

Watering of newly planted RG Project (36 one-hour watering, 15 people); **Total number of hours = 36**

Transport, planting in N edge & watering of free Obedient Plants (1 person); **Total number of hours = 1**

RG Stewardship: weeding & maintenance (12 one-hour periods, 2 people); **Total number of hours = 12**

Additional mulch added among plantings (2 one-hour periods, 11 people); **Total number of hours = 22**

Grand Total number of hours from this **June through September into October** timeframe = **71 hours**

FINAL Grand Total number of Volunteer and Work hours for this RG Project = 72 + 71 = **143 hours**

BUDGET for RAIN GARDEN	ASKED FOR GRANT ESTIMATES	ACTUAL ITEMIZED EXPENDITURES	DIFFERENCES IN ITEMIZED EXPENDITURES *	DIFFERENCES IN DESIGN & PROCESS OF BEING CREATED & TENDED TO *
Total Budget	\$1,200	\$1,200 as a Grant to TNC RG Project	0	0
Spray paint for marking off site	DONATION: Cat & Sandra (TNC RG Stewards)	+\$12	-\$12	0
TNC mini-grant recipients:		TOTAL: \$1,200: \$1,030.14 TNC \$169.86 C. Adams (reimbursement for TNC mulch & compost)		N.B. receipts reviewed & CPCS checks sent out totaling still \$1,200
wildtype Deposit	\$208.33	\$208.33	0	
wildtype Balance	\$816.37	\$749.27	*\$67.13 unused Grant \$ for this item	*In delivery from wildtype the flat of Red Anemone was not available, and no substitute offered
Sod cutter	\$125.00	\$90.10	\$34.90 unused Grant \$ for this item	*Our work crew got done earlier, saving TNC \$.
Mulch and Topsoil	\$0.00 and \$99.60	\$169.86	*\$70.26 needed reallocating Grant \$ for this item of Mulch	*When time came for mulch that was supposed available at TNC- none available, so MULCH here was an <u>unanticipated</u> expenditure
Extra hose for watering *Unanticipated need	DONATION: Emily & Avi: (TNC community) graciously gave \$50 =watering solution	+ \$50	-\$50	*As design was built-in, <u>unanticipated</u> expenditure more hose length to reach RG for watering

BUDGET
continued

Grant for, \$1,200.00 is requested, reviewed & approved; TNC says has extra funds to cover overhead.

Thus, the initial asking estimates were \$13.03 off. $1,262.56 - 1,249.53 = 13.03$; decent itemized estimates.
 Please note, during TNC discussions there was an assumption of available mulch- that simply was unfortunately not available as anticipated. Graciously, TNC stepped up to cover costs.

RG installed, watered, & then Extra Mulch , applied later in the season	\$0.00	September 12, 2020 more mulch bought, delivered & added onto RG site Totaling \$195.04		Paid by TNC
miscellaneous		Different nozzle & other watering aides.	C. Adams did not see receipts, but knew of new items	Paid by TNC
<u>Total spent</u> reported by TNC		\$1,412.60		

Photos:









Future Plans relating to this Project's Program:

Come early Springtime in 2021, RG Stewards will reassess this Project site. Careful considerations shall be made to move plantings and or fill in spaces where plants don't come back with alternative non-invasive RG species. As Spring growths emerge, attention given to some invasive plants by weeding

them out. Also, considerations to reinforce the berm, and cut back unwanted growths that try to come into the RG.

Also, although we should not have to water as much in the second year being that these original plants' roots will have gone deeper in, and the plants likely not as tender; we may want to recommend TNC purchase a more mobile watering system: open to discussion- perhaps even establish a nearby Rain Barrel, that will catch Rain water for use directly on site of this RG Project.

Stewards will monitor and maintain this new RG Project site and surroundings for at least through the three years' establishing growth period, with maintenance as needed: mindful care-tending is important particularly in these initial years, while these Rain Garden perennials establish.

Lastly, it would splendid to plan a small celebration event in recognition of all the Volunteer Work and Labor, and acknowledge this new ecological RG space when COVID is over.

Thank you CPCS for your much-appreciated funding. I am eager to be back as a Steward on this site, and adjacent RG, come early Spring 2021!

Sincerely,

Cathleen Adams,
December 23, 2020

Cathleen Adams
