



MEMORANDUM

DATE: September 27, 2022

TO: Dale Cook, Professional Repair and Maintenance Services Manager, PP&R

FROM: Kendra Petersen-Morgan, City Nature West Supervisor, PP&R

SUBJECT: DEQ Supplemental Environmental Project Progress Report

August 2022 Status

Portland Parks & Recreation (PP&R) worked over the past year (2021-2022) to install a one-acre pollinator habitat demonstration area in Forest Park (see Figure 1).

PP&R contracted with vegetation management firm, Ash Creek Forest Management, to control invasive species on the site, primarily non-native blackberry. Site preparation for the project included cutting/mowing and then treating the invasive plants with herbicide during the summer and fall of 2021. Table 1 provides an itemized list of the tasks that occurred on the site and timeline within they took place.

Native herbaceous and woody plants were purchased and planted in the winter of 2022. Figure 2 shows the site conditions prior to removal of invasives species and native revegetation. Plant species were selected to benefit pollinators and other wildlife (see Table 2A/B). The project includes a showcase planting area where a native pollinator garden has been planted adjacent to the trail, with split rail fencing and educational signage explaining the benefits of environmental restoration and pollinators (see Figure 3).

Administration

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Figure 1: Site location in Forest Park



Figure 2: Before pollinator habitat installation July 2021.



Figure 3: After pollinator habitat installation behind split rail fencing with educational signage in foreground.

Maintenance mowing, manual removal and herbicide treatment will continue to take place in the summer and fall of 2022 to help ensure successful plant establishment and control of invasive weeds. If plant survival rate is found to be low by the fall, additional plantings will be installed in during the 2023 planting season. Ongoing maintenance will include mulching plantings as necessary, cutting/mowing invasive weeds, followed by herbicide application on any remaining weeds around the plantings to eliminate competition and ensure establishment of the plantings and the ongoing success of the site for pollinator habitat.

Table 1: Timeframe and costs for the project elements completed:

Tasks/milestones:	Schedule:	Cost
Site Preparation mow/cut	Sep-21	\$1,500.00
Site Preparation spray	Nov-21	\$400.00
Purchase and plant shrubs and herbaceous plants	Feb-22	\$7,627.70
Maintenance for plant establishment	Jul-22	\$1,750.00
Procure split rail fence	Jul-22	\$400.00
Install split rail fence	Jul-22	\$818.52
Graphic Design for Sign	Jul-22	\$2,625.00
Sign and stand production	Jul-22	\$443.00
Install sign	Jul-22	\$1,091.36
Total		\$16,655.58

Note: seed was not installed due to the large amount of thatch on the site from the invasive blackberry that was cut and treated on the site. The thatch layer acted as a mulch to prevent erosion and created a barrier that would have prevented seed from contacting soil. For these reasons, it was determined that delaying the seeding was the best course of action. Seeding may be added at a future date if it is determined to be beneficial to the project.

Table 2A: Plantings installed

For Pollinator Garden Area:			
Scientific Name	Common Name	Number	Container Size (gal)
Achillea millefolium var. occidentalis	Western Yarrow	15	1
Aquilegia formosa	Western columbine	15	1
Aruncus dioicus var. acuminatus.	Goatsbeard	15	1
Asclepias speciosa	Showy Milkweed	15	1
Chamanerion angustifolium	Fireweed	30	1
Eriophyllum lanatum	Oregon Sunshine	15	1
Geranium oreganum	Oregon geranium	30	1
Iris tenax	Tough-leafed iris	15	1
Lupinus polyphyllus	Big Leaf Lupine	15	1
Potentilla gracilis	Slender cinquefoil	15	1
Scrophularia californica	California figwort	15	1
Sidalcea campestris	Meadow Checkermallow	15	1
Sidalcea malviflora ssp. Virgata	Rose checkermallow	15	1
Solidago lepida	Western Goldenrod	15	1
Symphotrichum subspicatum	Douglas/Pacific Aster	15	1
Berberis aquifolium	Tall Oregon Grape	3	5
Holodiscus discolor	Oceanspray	3	5
Ribes sanguineum	Red Flowering Currant	3	5
Total:		264	

Table 2B: Plantings installed

For Remaining Mitigation Area (1 ac):			
Scientific Name	Common Name	Number	Size
Acer circinatum	Vine Maple	100	Bare root
Berberis aquifolium	Tall Oregon Grape	325	Bare root
Berberis nervosa	Dull Oregon Grape	150	Bare root
Ceanothus velutinus	Snowbrush	200	Bare root
Holodiscus discolor	Oceanspray	200	Bare root
Oemleria cerasiformis	Osoberry	25	Bare root
Physocarpus capitatus	Ninebark	200	Bare root
Rhamnus purshiana	Cascara	50	Bare root
Ribes sanguineum	Red Flowering Currant	35	Bare root
Rubus parviflorus	Thimbleberry	25	Bare root
Rubus spectabilis	Salmonberry	250	Bare root
Sambucus racemosa	Red elderberry	225	Bare root
Spirea douglassii	Douglas Spirea	80	Bare root
Symphoricarpos albus	Snowberry	375	Bare root
Total:		2240	