

ROSEVILLE PARKS RENEWAL PROGRAM - NATURAL RESOURCE PROJECT TYPE, SIZE & LOCATION

9/23/2018

Park	Location within park	Activity Type	Estimated Size	Type		Funding			Sample Tasks/Notes	Comment
				Habitat	Water quality	PRRP	Grant	Other		
	Abbreviations indicate projects identified in the 2002 Natural Resource Management Plan		AC, SF or LF							
SELECT PARKS	various	Interpretive Signage	NA			X			New interpretive signs for Natural Resource Projects City Wide.	Signage designed, reviewed and manufactured in fall 2019, most installed fall 2019
CENTRAL PARK DALE EAST	CP-U4	Woodland/Forest Restoration	7.5 AC	X		X	X		Cut/treat invasives, native seeding, Rx burn, follow-up treat invasive brush	Initial restoration complete. Grow-in maintenance anticipated through 2021
CENTRAL PARK DALE EAST	CP-U5	Prairie Reconstruction	0.3 AC	X		X			Educational/interpretive prairie at HANC. Potential for supplemental seeding, plug planting, Rx burn(s), spot invasive weed treatment.	Three prescribed burns conducted with supplemental seeding and spot weed/invasive woody growth treatments. Grow-in maintenance anticipated through 2021
CENTRAL PARK LEXINGTON	CP-U1	Woodland/Forest Restoration	2.75 AC	X		X	X		Cut/treat invasive, nonnative shrubs (and select nonnative/invasive trees), prescribed burn of select areas, supplemental native seeding, follow-up treatment of invasives for two years. Includes restoration of areas between trails on north side of Bennett Lake.	Initial restoration complete. Grow-in maintenance anticipated through 2021
CENTRAL PARK LEXINGTON	CP-U2	Woodland/Forest Restoration	2.5 AC	X		X	X		Cut/treat invasive, nonnative shrubs (and select nonnative/invasive trees), prescribed burn of select areas, supplemental native seeding, follow-up treatment of invasives for two years.	Initial restoration complete. Grow-in maintenance anticipated through 2021
CENTRAL PARK LEXINGTON	Bennett Lake Shoreline	Shoreline restoration	.16 AC	X	X	X	X		Treat reed canary grass 2X in select buffer areas accessible by equipment, prescribed burn, native seeding, plug planting, goose protection fencing two years of grow-in maintenance. Estimated average 20' width X ~400 LF	Actual length of area restored exceeds 600ft. Initial restoration completed, grow-in maintenance anticipated through 2021.
CENTRAL PARK NORTH	CP-W8, W9, W10, W11	Wetland Restoration	9.5 AC	X		X	X		This is a large wetland complex between CR C and Lake Owasso. <b>Management of invasives would be the highest priority</b> , although there would likely be limited return on investment for restoration effort (unlikely to significantly reduce purple loosestrife or reed canary grass). Best opportunity is likely through additional biocontrol release for purple loosestrife.	Initial invasive brush treatment occurred in winter 2018-19, along with supplemental seeding of historic dredge piles. Grow-in maintenance anticipated through 2021.
CENTRAL PARK NORTH	Upland on east/west of large wetland	Woodland/Forest Restoration	5.6 AC	X		X	X		Potential management activities could include cut/treat of invasive woody plants, treat invasive herbaceous plants, supplement enrichment of native grasses and forbs.	Initial restoration complete. Grow-in maintenance anticipated through 2021
CENTRAL PARK NORTH	SW side of Lake Owasso	Woodland/Forest Restoration	2 AC	X		X	X		Area includes semi-open woodland/grassland dominated by nonnatives. This site is a relatively low priority, from an ecological perspective.	Initial restoration complete. Grow-in maintenance anticipated through 2021
CENTRAL PARK VICTORIA EAST	CP-U3	Woodland/Forest Restoration	13.8 AC	X		X	X		Includes some smaller, narrow areas outside of the original area mapped as CP-U3 in the Parks NRMP. Cut/treat invasives, native seeding, follow-up treat invasives	Initial restoration complete. Grow-in maintenance anticipated through 2021
LANGTON LAKE	Previously managed woodland areas. LL-U1, LL-U3	Woodland/Forest Restoration	20 AC	X		X	X		Initial management occurred 2012-14. Restoration efforts for this project should include activities that will continue to improve native composition, structure and function.	Initial restoration work complete, with ongoing vegetation management to 2020.
LANGTON LAKE	LL-U2, LL-U3	Woodland/Forest Restoration	10 AC	X		X	X		Management of new woodland areas. Estimated 10 acres. Cut/treat invasives, native enrichment seeding, follow-up invasives management/spot treatment	Initial restoration work complete, with ongoing vegetation management to 2020.
LANGTON LAKE	LL-W1	Wetland Restoration	0.1 AC	X	X	X	X		Site analysis, restoration design for hydrologic and vegetative restoration of drained wetland. Spray reed canary grass, restore original outlet elevation.	Wetland vegetation restored 2016-17. Hydrologic restoration occurred in 2018. Grow-in maintenance into 2020.
LANGTON LAKE	Shoreline restoration	Shoreline restoration	150LF	X	X	X	X		Initial shoreline restoration work conducted 2012-14. Effort should include maintenance of previous shoreline restoration effort, with potential restoration of additional areas.	Initial restoration complete. Grow-in maintenance into 2020.

# ROSEVILLE PARKS RENEWAL PROGRAM - NATURAL RESOURCE PROJECT TYPE, SIZE & LOCATION

9/23/2018

Park	Location within park	Activity Type	Estimated Size	Type		Funding			Sample Tasks/Notes	Comment
				Habitat	Water quality	PRRP	Grant	Other		
	Abbreviations indicate projects identified in the 2002 Natural Resource Management Plan		AC, SF or LF							
RESERVOIR WOODS	RW-U1, RW-U5, RW-U7	Woodland/Forest Restoration	34AC	X		X	X		NATIVE FOREST: Invasive brush management, invasive herbaceous vegetation management, supplemental native seeding of 10 acres, two years of ongoing invasive/nonnative treatment. With exception of RW-U5, these areas have not been previously managed. Includes area west of Victoria.	Initial restoration complete. Grow-in maintenance activities anticipated through 2021.
RESERVOIR WOODS	RW-U3, RW-U4, RW-U6	Woodland/Forest Restoration	41 AC	X		X	??		ADVENTIVE/PLANTED FORESTS: Invasive brush management, invasive herbaceous vegetation management, supplemental native seeding, grow-in period invasive/nonnative treatment. Includes some previously managed areas.	Initial restoration complete. Grow-in maintenance activities anticipated through 2021.
RESERVOIR WOODS	RW-U2	Prairie/Savanna Restoration	10.5 AC	X		X	X		This area is the last, best remaining prairie/ savanna remnant in Roseville. It has become significantly overgrown in the last 50 years. Anticipated activities include: invasive brush/tree cut/treat, prescribed burning, supplemental native seeding and 2 years of grow-in maintenance.	Initial restoration complete. Continued invasive woody growth ongoing. Grow-in maintenance activities anticipated through 2021.
RESERVOIR WOODS	RW-W2	Wetland Restoration	8.1 AC	X	X	X	X		This wetland is among the top quality wetlands in Roseville's park system. Management work is anticipated include cut/treat of invasive brush during winter time, spot treatment of reed canary grass, as well as biocontrol release for purple loosestrife. May be a candidate for grant funding.	Initial restoration complete. Continued invasive woody growth ongoing. Grow-in maintenance activities anticipated through 2021.
RESERVOIR WOODS	RW-W1	Shoreline restoration	0.25 AC	X	X	X	X		Manage reed canary grass/invasive on shoreline buffer, seed/plant native buffer and emergent plants, install/maintain goose protection fencing, two years grow-in maintenance. Estimated 1,950 feet of total buffer length X an estimated average 50 foot width of shore buffer.	Initial restoration complete. Continued invasive woody growth ongoing. Grow-in maintenance activities anticipated through 2021.
VILLA	VL-U1, VL-U2, VL-U3, and adventive woodland areas elsewhere in the park	Woodland/Forest Restoration	22 AC	X		X	X		Woodland has historically supported breeding pair of red-shouldered hawks, a state-listed species. Woodland restoration would benefit natural areas quality and wildlife. Cut/treat invasive trees and shrubs, treat invasive/ nonnative herbaceous species, potentially native seed, two years of maintenance activities.	Initial restoration completed in 2016. Ongoing, grow-in vegetation maintenance through 2020, in conjunction with work associated with a MCES sewer rehabilitation project.
VILLA	VL-W1	Wetland Restoration	3 AC	X	X	X	X		This project is being included in the event that the hydrologic/vegetative restoration of this wetland basin is not included in the work being conducted with the Capital Region Watershed District. Work may include tile location/disablement of drain tile and management of invasive, nonnative herbaceous vegetation (i.e. purple loosestrife and reed canary grass)	Ditches blocked and tile lines broken/plugged to restore hydrology, along with native seeding and invasive spot treatment.
LADYSLIPPER	Edges of wetland	Woodland/Forest Restoration	4.09 AC	X		X			Cut/treat invasive, nonnative shrubs. This is relative low priority due to proximity to residential lots, poor accessibility.	Initial restoration completed in spring 2018. Grow-in maintenance anticipated through 2020.
OASIS	Multiple locations around park	Woodland/Forest Restoration	3.42 AC	X		X			Invasive cut/treat, reintroduce native woodland grasses and flowers where possible, two years of follow-up treatments.	Work initiated in early 2017. Initial restoration work complete with grow-in maintenance anticipated into 2020.
OASIS	NE side of park, CR C2 cul de sac	Shoreline restoration	225 LF	X	X	X	X		Between proposed boardwalk/trail and lake shore. Potential CWP and/or watershed project. Approximately 225 LF of shoreline	Work initiated in 2016. Initial restoration work complete with grow-in maintenance anticipated into 2020.
ACORN	Woodland/Forest AC-U1, AC-U2, AC-U3	Woodland/Forest Restoration	25 AC	X		X	X		Cut/treat invasives, native seeding, Rx burn, follow-up treat invasive brush. Approximately 24.7 acres.	Initial restoration completed in 2016. Grow-in maintenance anticipated until 2021.
ACORN	AC-W2	Wetland Restoration	0.25 AC	X	X	X	X		Topographic survey needed, along with hydrologic analysis. If determined feasible, ditch block and native vegetation restoration are primary activities. Could qualify as a water quality project (increase storage/treatment). Construction cost estimate requires to be combined with Langton Wetland Restoration Project.	Hydrologic and initial vegetative restoration work complete. Grow-in maintenance anticipated until 2021.

**ROSEVILLE PARKS RENEWAL PROGRAM - NATURAL RESOURCE PROJECT TYPE, SIZE & LOCATION**

9/23/2018

Park	Location within park	Activity Type	Estimated Size	Type		Funding			Sample Tasks/Notes	Comment
				Habitat	Water quality	PRRP	Grant	Other		
	Abbreviations indicate projects identified in the 2002 Natural Resource Management Plan		AC, SF or LF							
ACORN	AC-W5	Wetland Restoration	5 AC	X					Manage purple loosestrife with biocontrol, invasive vegetation management (RCG & glossy buckthorn) in areas mapped as wet meadow and willow swamp (MLCCS): total estimated 5 acres	Initial vegetation restoration started in 2018, anticipated to be complete in winter 2019-20. Grow-in maintenance anticipated until 2021.
ACORN	AC-W1	Wetland Restoration	4 AC	X		X			Purple loosestrife biocontrol release	Beetles already appear to be established
ACORN	Between disc golf fairways	Prairie Reconstruction	2 AC	X		X	X		Treat nonnatives, burn, interseed natives	Initial restoration complete. Ongoing spot weed treatments anticipated through 2021.
APPLEWOOD OVERLOOK	Slope of pond	Prairie/Savanna Restoration	0.68 AC	X	X	X	X		Cut/treat invasive nonnatives and select trees, potential chip/remove from site, site prep herbicide x2, native seeding, 2 years of grow-in maintenance.	Work initiated in early 2017. Initial restoration work complete with grow-in maintenance anticipated into 2020.
APPLEWOOD PARK	East border	Woodland/Forest Restoration	0.23 AC	X		X			Cut/treat invasive woody brush/trees, chip/remove, selective thin to favor native hardwood trees, spray ground layer x2, native seeding & 2 years grow-in maintenance.	Work initiated in early 2017. Initial restoration work complete with grow-in maintenance anticipated into 2020.
KELLER MAYFLOWER	Pond Buffer	Pond Buffer Restoration	.72 AC						Cut/treat invasive brush and invasive weeds, remove limited amount of coarse woody debris, seed/plant natives in woodland edge and in seasonal wetland itself. This is a small area with limited benefit, ecologically.	Initial vegetation restoration work initiated in winter 2018-19. Ongoing grow-in maintenance through 2021.
HOWARD JOHNSON	Pond Buffer	Pond Buffer Restoration	1.7 AC	X	X	X			Manage pond buffer (cut/treat invasives, restore native vegetation) and management/plant wetland edge/emergent wetland vegetation. Two years of ongoing management. Estimated cost \$6,000/ac.	Initial vegetation restoration work completed in 2017. Grow-in maintenance anticipated through 2019.
WILLOW POND	All woodland areas	Woodland/Forest Restoration	6.13 AC	X		X			Cut/treat invasives, native woodland seeding, potential planting of native bare root tree stock, 2 years grow-in maintenance.	Initial restoration completed in winter 2016-17. Grow-in maintenance anticipated through 2019.
WILLOW POND	Northeast shoreline area	Shoreline restoration	0.16 AC/640 LF	X	X	X			Shoreline restoration in this area would provide a high profile restoration with reasonably high opportunity for success. Project should include design, manufacture and install of interpretive sign. Native vegetative restoration along shoreline (seeding and/or live plants), grow-in maintenance.	Vegetative restoration complete in 2016. Ongoing vegetation maintenance anticipated through 2019.
MATERION	All woodland areas	Woodland/Forest Restoration	6.6 AC	X		X			Work anticipated to include cut/treat of invasive, nonnative shrubs and select nonnative trees (release cuts for desirable native trees), native seeding. Due to the prevalence of invasive, nonnative species at all structural layers, natural areas restoration of this park will require a significant effort.	Initial woodland restoration completed in east unit in 2016 and west unit in 2017. Grow-in maintenance anticipated until 2020.
COTTONTAIL PARK	Entire park	Woodland/Forest Restoration	7.56 AC	X		X			This nonnative, invasive-dominated woodland is in severely degraded condition and will require extensive management to improve in native species composition, habitat value and overall structure/function. Cut/treat invasive shrubs and select nonnative trees to release desirable native trees, native seeding, plant native hardwood bare root seedlings, 2 years follow-up management/maintenance.	Initial woodland restoration completed in east unit in 2016 and west unit in 2017. Grow-in maintenance anticipated until 2020.
OWASSO HILLS	Throughout upland areas	Woodland/Forest Restoration/Prairie/Savanna	3.82 AC	X		X			Includes some areas of remnant prairie/savanna, as well as disturbed woodland restoration. Cut/treat invasive trees/shrubs, treat invasive nonnative herbaceous vegetation, Rx burn of area between trail and RR tracks, native seeding, two years of maintenance	Initial restoration work completed in 2016. Ongoing grow-in vegetation maintenance activities anticipated until 2020.
OWASSO HILLS	Wetland area to NW of play structures	Wetland Restoration	0.32 AC	X		X			This project primarily involves management of invasive, nonnative reed canary grass with supplemental native seeding/plantings of native sedges, grasses, flowers.	Initial restoration work completed in 2016. Ongoing grow-in vegetation maintenance activities anticipated until 2020.
OWASSO HILLS	Storm pond buffers	Wetland Restoration	0.71 AC	X	X	X			Relatively low priority project to manage invasive, nonnative reed canary grass and seed/plant native grasses, sedges and flowers.	Initial vegetation restoration work occurred in summer 2019. Grow-in vegetation maintenance anticipated until 2022.

# ROSEVILLE PARKS RENEWAL PROGRAM - NATURAL RESOURCE PROJECT TYPE, SIZE & LOCATION

9/23/2018

Park	Location within park	Activity Type	Estimated Size	Type		Funding			Sample Tasks/Notes	Comment
				Habitat	Water quality	PRRP	Grant	Other		
	Abbreviations indicate projects identified in the 2002 Natural Resource Management Plan		AC, SF or LF							
<b>PIONEER</b>	Woodland areas	Woodland/Forest Restoration	2.48 AC	X		X			Invasive cut/treat, reintroduce native woodland grasses and flowers where possible, two years of follow-up treatments. This site was significantly disturbed in the past, but is an important extension of the natural areas in Reservoir Woods.	Initial vegetation management work completed in spring 2018. Grow-in vegetation maintenance anticipated until 2022.
<b>POCAHONTAS</b>	unmaintained areas on east side of park	Woodland/Forest Restoration	1.26	X		X			The area is relatively open with a herbaceous layer dominated by nonnative grasses and invasive weeds. Anticipated restoration to forest may include cut/treat select invasive trees and shrubs, planting of native hardwood bare root tree seedlings. Includes 2 years of grow-in spot treatment of invasives. May include planting of bare root stock and/or potted stock with mulch and watering. Converting herbaceous layer to all natives may include site preparation, seeding, grow-in maintenance.	Initial vegetation management work completed in spring 2018. Grow-in vegetation maintenance anticipated until 2022.
<b>VALLEY</b>	All woodland areas	Woodland/Forest Restoration	3.5 AC	X		X			For the most part, this forest is significantly disturbed and included recently developed forest as well as remnant oak forest that has been disturbed by past filling and/or encroachment. Activities may include cut/treat of invasive species, native seeding, reforestation of west side of south storm pond.	Initial restoration work completed in winter 2018-19. Grow-in vegetation maintenance anticipated until 2022.
<b>TAMARACK</b>	All woodland areas	Woodland/Forest Restoration	3.15 AC	X		X			Plant communities at this site are adventive and relatively degraded, but provide valuable continuity with the Ramsey County wetland mitigation site and other city-owned sites further west/northwest. Work would include invasive brush/tree management, herbaceous invasive/nonnative management. Not likely a good candidate for a grant	Initial restoration work completed in winter 2017-18. Grow-in vegetation maintenance anticipated until 2020.
<b>WOODHILL</b>	East side of road	Woodland/Forest Restoration	1.6 AC	X		X			East side of road is 1.6 acres, west side of road is 1.3 acres. Woodland restoration needed on east side of road. Cost assumes work to occur only on east side of Western Ave.	Initial restoration work completed in winter 2017-18. Grow-in vegetation maintenance anticipated until 2020.