

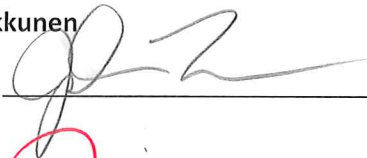
## River's Bend Prairie

### Approvals for Site Stewardship Plan

Date first routed: May 14, 2019

Justin Takkunen

Signature

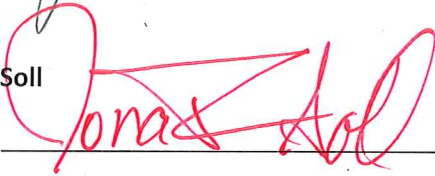


Date

6/10/19

Jonathan Soll

Signature



Date

2/25/2020

Dan Moeller

Signature



Date

10/30/19

## SITE STEWARDSHIP PLAN

# River's Bend Prairie



May 2019



Metro

Clean air and clean water do not stop at city limits or county lines. Neither does the need for jobs, a thriving economy, and sustainable transportation and living choices for people and businesses in the region. Voters have asked Metro to help with the challenges and opportunities that affect the 25 cities and three counties in the Portland metropolitan area.

A regional approach simply makes sense when it comes to providing services, operating venues and making decisions about how the region grows. Metro works with communities to support a resilient economy, keep nature close by and respond to a changing climate. Together, we're making a great place, now and for generations to come.

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**Auditor**

Brian Evans

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## RIVER'S BEND PRAIRIE SITE INFORMATION

### LOCATION

Address: 22300 SW Munger Lane, Sherwood, OR 971410

County: Washington

Number of acres: 91

Metro file no.: S 11.02

**Table 1: Metro natural area bond purchased land for River's Bend Prairie**

PROPERTY NAME	FILE NO.	BOND YEAR	DATE ACQUIRED	MANAGEMENT	ACRES
Munger	P11.009	1995	2/15/2000	Metro	91

See Map 1 for more details.

## SECTION 1: INTRODUCTION

### 1.1 SITE STEWARDSHIP PLAN GOALS AND USES

Site Stewardship Plans (SSPs) and Site Conservation Plans (SCPs) are sister documents. SCPs document conservation targets, desired future conditions, and key threats, providing a long-term vision for the site for internal and external audiences. Though rarely fully updated, SCPs are periodically revised to document strategic implementation and reflect on lessons learned through adaptive management. SCPs provide guidance for short- and long-term stewardship actions that the Natural Areas Land Management team will take to reduce threats and increase conservation target health.

SSPs provide a five to ten-year outlook for ongoing care of a site, shaping a vision of options and costs to facilitate thoughtful decisions using available resources. SSPs are primarily an internal working document and address vegetation management, such as invasive species control, and infrastructure maintenance for items such as fences, gates, and water control structures. SSPs are updated periodically as key restoration or access and development projects are implemented.

This SSP provides information necessary to:

- Protect natural resources supporting wildlife habitat and water quality.
- Define key actions that help achieve desired future conditions of conservation targets.
- Define key actions required to maintain infrastructure.
- Provide cost estimates for actions.
- Prioritize actions and document implementation.

The major stewardship issues of concern at River's Bend Prairie include:

- Invasive species management.
- Erosion from roads.
- Unauthorized access and encroachments.
- Monitoring and decommissioning of agricultural tile drainage system.

## **SECTION 2: STEWARDSHIP ACTIONS**

Stewardship actions are broken up into five primary stewardship categories: site monitoring, vegetation management, access and infrastructure, water resources, and wildlife habitat as described below. Terramet includes the full list of stewardship categories, actions and tasks. Appendix A-1 describes strategic stewardship actions for each category needed over the next five to ten years, and Appendix A-2 provides a budget for these actions, as well as additional actions that may be warranted given sufficient time or funds.

### **2.1 SITE MONITORING**

Monitoring at the River's Bend Prairie is an integral part of an adaptive management approach to restoration and stewardship. Based on the monitoring plan developed by Metro, a feedback loop is created between monitoring and management decisions. Monitoring will be done to evaluate habitat, population responses to management action, as well as progress toward achieving habitat and population objectives.

Key monitoring actions at River's Bend Prairie may include:

- Regular site walks to identify issues such as illegal access and inappropriate public use.
- Site walk to monitor invasive species growth and areas of future eradication.

### **2.2 VEGETATION MANAGEMENT**

Key vegetation management actions for the next five to ten years at River's Bend Prairie relate primarily to:

- Invasive weed control of priority invasive species of concern
- Thin conifers in the upland forest to release oak and madrone. Conifers are planted too densely for stand health and are encroaching upon many healthy oak and madrone trees.
- Plant in the riparian area along the Tualatin River that has limited native tree or shrub cover. This work will likely be performed by Clean Water Services as part of an ongoing partnership.

Many of these actions span multiple habitat areas and conservation targets.

Metro has initiated an early detection and rapid response (EDRR) program for certain invasive species. These EDRR species will be controlled by hand pulling or herbicide application as they are detected in the natural area. Other invasive plant species will be controlled as part of restoration projects or ongoing management of habitat areas. See Appendix B for a list of invasive species.

## **2.3 ACCESS AND INFRASTRUCTURE**

Infrastructure generally includes human constructs such as maintenance roads, gates, fences, culverts, and signs. This category of stewardship actions may also include inventory property encroachments or surveying property lines. See Map 4 for spatial information on access and infrastructure at River's Bend Prairie.

Key access and infrastructure actions at River's Bend Prairie are:

- Cut back on vegetation along the road into property. Vegetation is overgrowing into the road limiting access for entry to the site, especially for larger vehicles and tenants.

## **2.4 WATER RESOURCES**

Water resources stewardship actions are generally defined as maintenance of infrastructure associated with streams, rivers or wetlands at the site. Examples include maintenance of large wood structures, water control structures, or other water resource related actions and tasks.

Key water resources actions at River's Bend Prairie are:

- Monitoring and decommissioning agricultural drainage tile system.

## **2.5 WILDLIFE HABITAT**

Wildlife habitat structures are specific features installed to improve wildlife habitat. Examples include nest boxes, turtle logs or platforms, beaver exclusion fencing and other associated wildlife related actions and tasks. There are no key wildlife actions at this time.

# **SECTION 3: SITE MANAGEMENT**

Metro's management of River's Bend Prairie includes enforcement of the posted rules to provide protection for wildlife, water quality, and to protect the safety and enjoyment of any person visiting these facilities. The following sections describe key elements to management of the site.

## **3.1 FIRE INCIDENT ACTION PLAN**

A fire incident action plan has been developed for this site (Appendix C, Map 5).

## **3.2 SPECIAL USE PERMITS**

Special use permits (SUPs) are required for certain regulated and non-traditional uses of Metro's parks and natural areas to ensure public health and safety and to protect natural resources, properties and facilities.<sup>1</sup>

Current and historical SUPs for this site can be found in Terramet in the Site Documents section of the River's Bend Prairie Docs & Agreements page. Currently there are no recurring SUPs for this site.

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<sup>1</sup> More information regarding policies, guidelines, and applications can be found at [www.oregonmetro.gov/specialuse](http://www.oregonmetro.gov/specialuse).

### **3.3 DEED RESTRICTIONS, EASEMENTS AND OTHER SITE AGREEMENTS**

The acquisition of a property under the Natural Area Program may sometimes include deed restrictions that place limitations on the use of the land. Deed restrictions can include restrictions on tree cutting, establish landscaping requirements, or establish road maintenance fees. Acquisitions may also include easements that entitle the holder to certain uses or rights on the property. Easements can include utility easements, easements of access, and conservation easements. Metro may enter into other voluntary agreements including intergovernmental agreements (IGAs) with other agencies and management agreements with non-governmental organizations.

Existing deed restrictions, easements and other site agreements include:

#### **Site wide**

- Easement - Grant of Rights for Clean Water Services to conduct ecological enhancement and stewardship activities. Contract #933229, effective 2/23/2015 and expiring 2/23/2035
- Assessed as farm land—if land becomes disqualified for the special assessment, an additional tax may be levied.
- Rights of the public, governmental bodies and public utilities in and to that portion of the property lying within the limits of roads and highways.
- Right, title and interest of the State of Oregon in and to that portion of the property lying below the ordinary high water line of the Tualatin River as of 2/14/1859.
- Any adverse claim based on the assertion that any portion of the property has been created by artificial means or has accreted to such portions so created or based on the provisions of state law.
- Any adverse claim based on the assertion that some portion of the property has been removed from or brought within the properties boundaries by an avulsive movement of the Tualatin River, or has been formed by the process of accretion or reliction.
- Rights of fishing, navigation, commerce, flood control, propagation of anadromous fish and recreation and other rights of the public, Indian tribes or governmental bodies in and to the waters of the Tualatin River.

For more detailed information on any of the above agreements, please refer to the Terramet acquisition pages or the legal acquisition hard copy files for the properties that make up this site.

### **3.4 RESIDENTIAL OR AGRICULTURAL LEASE AGREEMENTS**

Some Metro Natural Areas include a residence or multiple residences on the site. If and when it is decided to rent out a residence, a rental agreement is developed by Metro. This agreement describes the lease terms, any rental restrictions, and acceptable uses of the lease area. In some cases the lease area is delineated on the ground by installation of markers such as carsonite posts, t-posts, or fencing. Some standard lease terms include a month to month term, pet restrictions, no hunting, and no commercial activities.



Metro may enter into agricultural lease agreements when the acquisition comes with an existing agricultural lease, farming fulfills management goals, or the preservation of available agricultural land and historic farming practices is desired. The agricultural lease delineates the boundaries of the farmed area and can include specific requirements including crop planted, herbicides used, and equipment used.

Existing lease agreements (Map 6) include:

#### **Residential**

- Munger – Residential lease (contract #922506, Map 6) to Elias and Hoffman Contracting effective 10/01/2000 and renewing in perpetuity unless notice is given by September 1.

#### **Agricultural**

- Munger – Agricultural lease (contract #921991, Map 7) of 48 acres to Jay Hoffman and Hoffman Farms Contracting effective 12/1/1997 and renewing in perpetuity unless notice is given by September 1.

For more detailed information on any of the above leases, please refer to the Agreements section of the Terramet site page for River's Bend Prairie or the Leases tab of the Terramet Administration Agreements page.

## **MAPS**

**Map 1** – Vicinity map

**Map 2** – Site map

**Map 3** – Current cover

**Map 4** – Site infrastructure

**Map 5** – Fire incident action plan

**Map 6** – Residential lease

**Map 7** – Agricultural lease

## **APPENDICES**

**Appendix A** – Stewardship actions

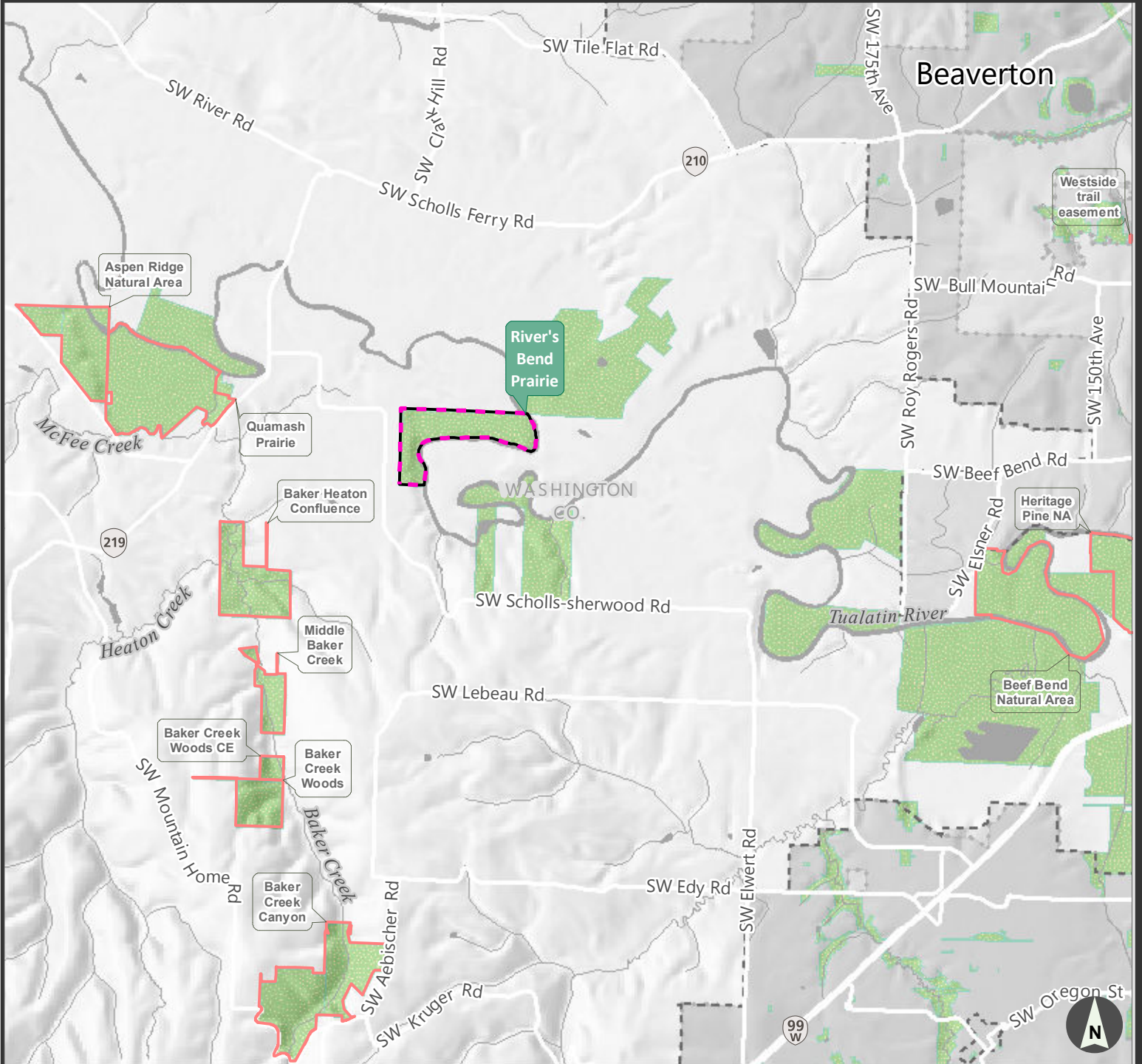
A-1 Summary of stewardship actions




A-2 Budget for stewardship actions

**Appendix B** – Invasive species

**Appendix C** – Incident action plan

# Vicinity map

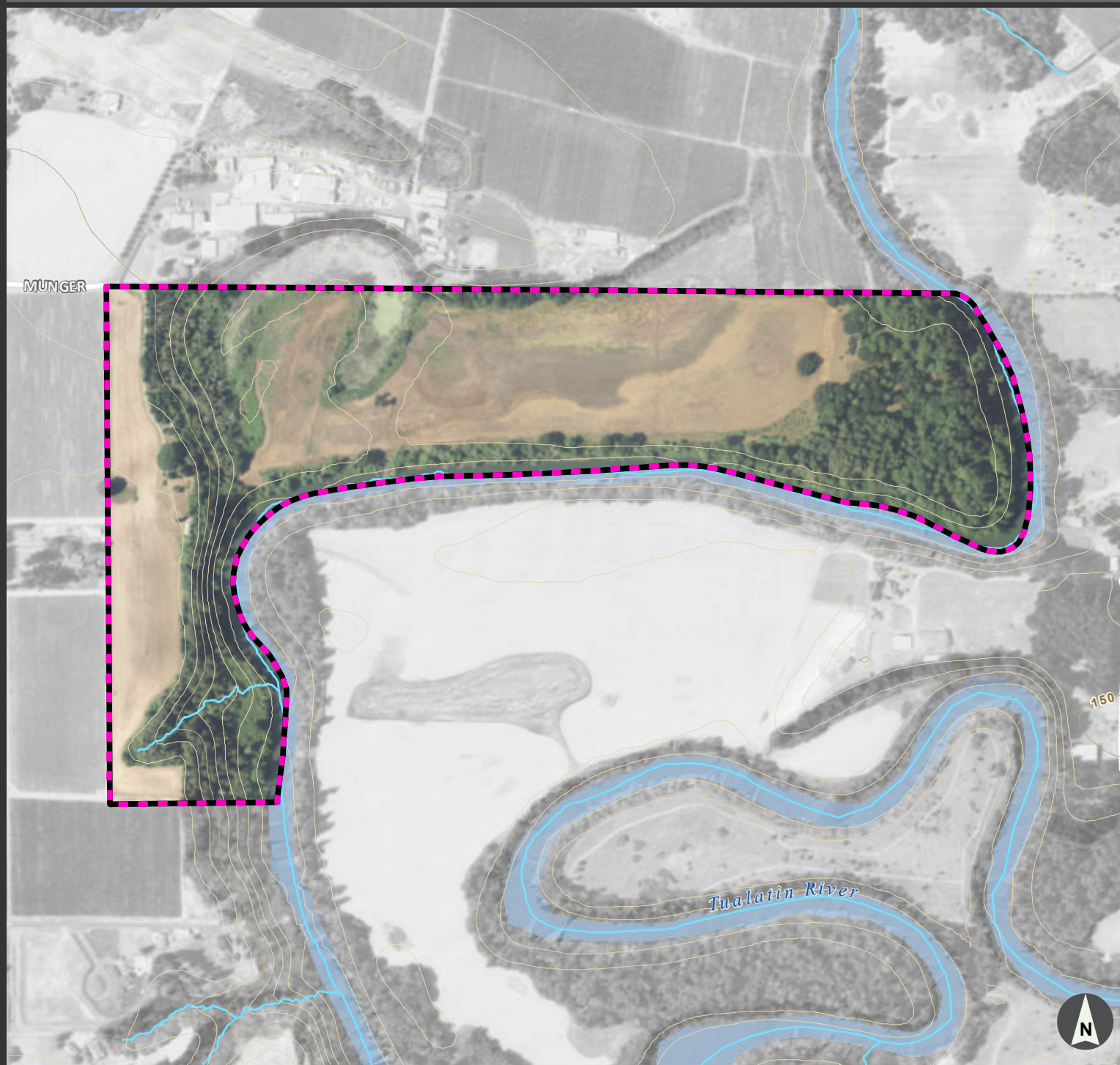


-  River's Bend Prairie
-  Other Metro sites
-  Parks and/or Natural Areas




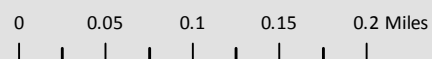
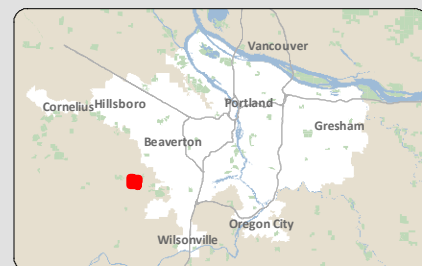
## River's Bend Prairie

# Site map



 River's Bend Prairie

 Streams





# Current cover map




 River's Bend Prairie site

 Agriculture

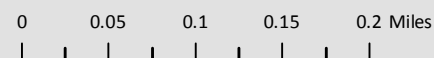
 Wetland - shrub

 Prairie - (wet)

 Woodland - oak

 Riparian forest

 Wetland - emergent




Featured site

## River's Bend Prairie

# Site infrastructure map



 Featured site



house



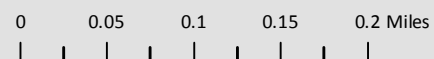
building



water source

Road network on site

 dirt/gravel





# Fire Incident Action Plan

primary entrance: 22300 SW Munger Ln, Sherwood, OR 97140

Site Stewardship Plan



Metro



- Featured site
- Structures
- Fire districts
- house
- building
- water source

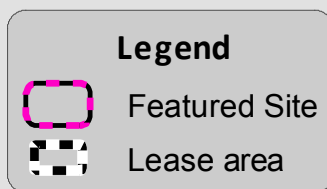
0 0.05 0.1 0.15 0.2 Miles

River's Bend Prairie

lat/long for primary entrance: ((45.40407237, -122.90682984))

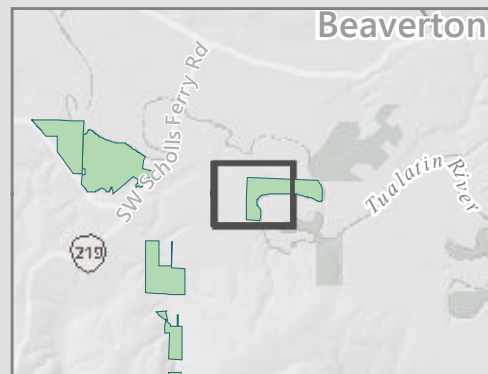
Metro Parks & Nature - map date: 5/13/2019





1 inch = 83 feet

0 80





# Agricultural lease area map

22300 SW Munger Lane Sherwood, OR 97140

Site Stewardship Plan



Metro



## Legend

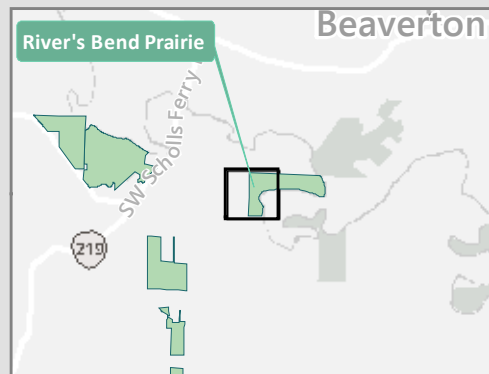


Lease area



1 inch = 333 feet

0 150 300



# River's Bend Prairie

Imagery in color is a Metro Agricultural lease

Metro Parks & Nature - map date: 5/13/2019

## APPENDIX A-1

### RIVER'S BEND PRAIRIE SUMMARY OF STEWARDSHIP ACTIONS

#### Stewardship actions planned for the next five to ten years at River's Bend Prairie.

(Estimated costs and potential additional actions that could take place, depending on time and resources, are in Appendix A-2)

PROJECT TYPE	DESCRIPTION	TIMING/FREQUENCY	COMPLETED BY
<b>SITE MONITORING</b>			
Other monitoring – site walk	Regular site walks to identify issues such as hunting, illegal dumping, illegal access and inappropriate public use/access.	Quarterly	Natural Resource Specialist/Technician
Vegetation monitoring – invasive weeds	Site walk to monitor invasive species growth and areas of future eradication.	Spring/fall	Natural Resource Specialist/Technician
<b>VEGETATION MANAGEMENT</b>			
Invasive weed control	Invasive weed control of priority invasive species.	Ongoing	Natural Resource Specialist/Technician
Forest thinning – oak release; forest thinning – madrone release	Thin conifers in the upland forest to release oak and madrone. Conifers are planted too densely for stand health and are encroaching upon many healthy oak and madrone trees.	TBD	Natural Resource Specialist/Technician
Planting – tree and shrub	Plant in the riparian area along the Tualatin River that have limited native tree or shrub cover.	N/A	Clean Water Services
<b>ACCESS AND INFRASTRUCTURE</b>			
Road brushing	Cut back vegetation along the road into property. Vegetation is overgrowing into the road limiting access for entry to the site, especially for larger vehicles and tenants.	Annually	Natural Resource Specialist/Technician
<b>WATER RESOURCES</b>			
Water control structure	Monitoring and decommissioning agricultural drainage tile system.	Quarterly/seasonally	Natural Resource Specialist/Technician/CWS/Scientist
<b>WILDLIFE HABITAT</b>			
N/A	N/A	N/A	N/A

APPENDIX A-2

RIVER'S BEND PRAIRIE BUDGET TABLE

10-year budget for stewardship actions

UNIT/AREA	MAINTENANCE CATEGORY	PROJECT TYPE	DESCRIPTION OF TASKS	HABITAT TYPE OR CONSERVATION TARGET	TIMING/ FREQUENCY	PRIORITY	COST BY FISCAL YEAR									
							FY18/19	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28
Site wide	Vegetation management	Invasive weed control	Includes site wide (excluding prairie) invasive treatments to maintain the health of forests and riparian areas.	Upland forest, riparian forest, prairie	Quarterly	High	\$1,700	\$2,800	\$0	\$0	\$2,800	\$0	\$0	\$2,800	\$0	\$0
Totals							\$1,700	\$2,800	\$0	\$0	\$2,800	\$0	\$0	\$2,800	\$0	\$0

## APPENDIX B

### RIVER'S BEND PRAIRIE INVASIVE SPECIES

The table below summarizes a preliminary list of invasive plants in all or parts of River's Bend Prairie, including focus areas and timing for control if needed. The list is compiled from the data collected during the 2014 weed mapping project, and reviewed and updated by the Natural Areas Land Management team. A list of noxious weeds for Oregon, including descriptions and photos, can be found at: [www.oregon.gov/ODA/PLANT/WEEDS/statelist2.shtml](http://www.oregon.gov/ODA/PLANT/WEEDS/statelist2.shtml).

#### Working list of priority non-native species at River's Bend Prairie (EDRR species are bolded in red)

GENUS	SPECIES	COMMON NAME	FOCUS AREA FOR DETECTION/CONTROL	CONTROL TIMING
<b>Ajuga</b>	<b>reptans</b>	<b>Bugle</b>	<b>Upland forest</b>	<b>Spring</b>
<b>Calystegia</b>	<b>sepium</b>	<b>Hedge bindweed</b>	<b>Upland forest</b>	<b>Fall</b>
<b>Cirsium</b>	<b>arvense</b>	<b>Canada thistle</b>	<b>Prairie</b>	<b>Summer</b>
<i>Crataegus</i>	<i>sp</i>	Hawthorn	Riparian, upland forest, oak woodland	Fall/winter
<b>Dipsacus</b>	<b>fullonum</b>	<b>Teasel</b>	<b>Prairie</b>	<b>Spring</b>
<i>Geranium</i>	<i>robertianum</i>	Herb Robert	Upland/riparian forest	Spring/summer
<b>Hedera</b>	<b>sp</b>	<b>Ivy</b>	<b>Upland/riparian forest</b>	<b>Fall/winter</b>
<i>Ilex</i>	<i>aquifolium</i>	English holly	Upland/riparian forest	Winter
<i>Juglans</i>	<i>nigra</i>	Black walnut	Upland/riparian forest	Winter
<b>Lunaria</b>	<b>annua</b>	<b>Money plant</b>	<b>Upland/riparian forest</b>	<b>Spring</b>
<b>Phalaris</b>	<b>arundinacea</b>	<b>Reed canarygrass</b>	<b>Prairie/riparian forest</b>	<b>Fall</b>
<i>Prunus</i>	<i>avium</i>	Sweet cherry	Upland/riparian forest	Winter
<b>Raphanus</b>	<b>sp</b>	<b>Wild radish</b>	<b>Site wide</b>	<b>Spring</b>
<i>Rubus</i>	<i>bifrons</i>	Himalayan blackberry	Site wide	Fall
<i>Senecio</i>	<i>jacobaea</i>	Tansy ragwort	Prairie	Spring
<i>Solanum</i>	<i>dulcamara</i>	Bittersweet nightshade	Riparian forest	Spring

## APPENDIX C

### FIRE INCIDENT ACTION PLAN

#### RIVER'S BEND PRAIRIE

##### Address/access points

Address:

- 22300 SW Munger Lane, Sherwood, OR 97140

Primary access (gravel road):

- 22300 SW Munger Lane, Sherwood, OR 97140
- Latitude: 45.401407; Longitude: -122.906006
- Gate – Metro A lock with chain; No Knox box or fire district lock

##### Location

Primary access: T2S R2W S14

##### Acreage

90.72 acres

##### Structures

Rental house and shed barn located at the address above.

##### Water sources and staging areas

Water can be sourced from the Tualatin River near the rental house.

##### Sensitive habitat

See the SCP for details.

##### Contact information\*

###### Metro Conservation Program

Justin Takkunen, Natural Areas Land Manager	503-964-2386 (cell)
Adam Stellmacher, Natural Resource Specialist	503-807-4018 (cell)
Jeff Merrill, Natural Resource Scientist	503-312-0007 (cell)
Yuxing Zheng, Communications Coordinator	971-344-2207 (cell)

**Sheriff/police department**

Emergency	911
Police Dept, non-emergency	503-625-5523

**Local fire department**

Tualatin Valley Fire and Rescue District #33	503-649-8577
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**Tenants***Residential Lease*

Elias and Hoffman Farms Contracting	503-628-0772
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Address: 22307 SW Munger Lane, Sherwood, OR 97140

*Agricultural Lease*

Jay Hoffman	503-628-0772
Hoffman Farms Contracting	

Mailing address: 22307 SW Munger Lane, Sherwood, OR 97140

*\*Please see Terramet for most up to date contact information.*