

## Cazadero Natural Area

### Approvals for Site Stewardship Plan

Date first routed: September 15, 2020

**Justin Takkunen**

Signature Justin Takkunen Date 3/4/21

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Signature Jonathan Soll Date 3/4/2021

**Dan Moeller**

Signature Dan Moeller Date 9-15-20

## SITE STEWARDSHIP PLAN

# Cazadero Natural Area



September 2020



**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.

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## CAZADERO NATURAL AREA SITE INFORMATION

### LOCATION

Address: 18700 SE Bakers Ferry Rd, Boring, OR 97009

County: Clackamas

Number of acres: 24.31

Metro file no.: S 18.05

**Table 1: Metro natural area bond purchased land for Cazadero Natural Area.**

PROPERTY NAME	FILE NO.	BOND YEAR	DATE ACQUIRED	MANAGEMENT	ACRES
OSU Foundation	P52.001	2006	5/19/2010	Metro	24.63

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 Cazadero Natural Area include:

- Invasive species management.
- Unauthorized access and encroachments.

## 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 Cazadero Natural Area 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 Cazadero Natural Area may include:

- Regular site walks to monitor for unauthorized access, encroachments, and illegal activities.
- Site walks 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 Cazadero Natural Area relate primarily to:

- Invasive weed control of priority invasive species of concern.

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 Cazadero Natural Area.

There are no key access or infrastructure actions at Cazadero Natural at this time.

## **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.

There are no key water resource actions at Cazadero Natural Area at this time.

## **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 habitat actions at Cazadero Natural Area at this time.

# **SECTION 3: SITE MANAGEMENT**

Metro's management of Cazadero Natural Area 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 for management of the site.

## **3.1 INCIDENT ACTION PLAN**

An 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>

Cazadero Natural Area doesn't have any SUPs at this time. Current and historical SUPs for this site can be found in Terramet in the Site Documents section of the Cazadero Natural Area Docs & Agreements page.

## **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.

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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).

Existing deed restrictions, easements and other site agreements include:

#### **Site Wide**

- IGA #932509 – Oregon Parks and Recreation Department. Agreement to use and maintain temporary access road to Cazadero Trail. Effective 8/21/2013; term is 10 years and renews in perpetuity unless one party terminates 90 days prior to expiration.
  - There is a small section of the Cazadero Trail that runs through the northernmost section of the site. The bollards at the head of the trail have an OPRD lock.
- IGA #935455 – Barton Park Master Plan. Agreement that allows Clackamas County to develop a plan to for a trailhead to the Cazadero State Trail. Effective 12/6/2018; term is 5 years and is not anticipated to be renewed. County and Metro will enter into a new agreement for the design, construction and operation of the trailhead once funding is secured.

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.

There are no existing lease agreements for this site.



## **MAPS**

**Map 1** – Vicinity map

**Map 2** – Site map

**Map 3** – Current cover

**Map 4** – Site infrastructure

**Map 5** – Incident action plan

## **APPENDICES**

**Appendix A** – Stewardship actions

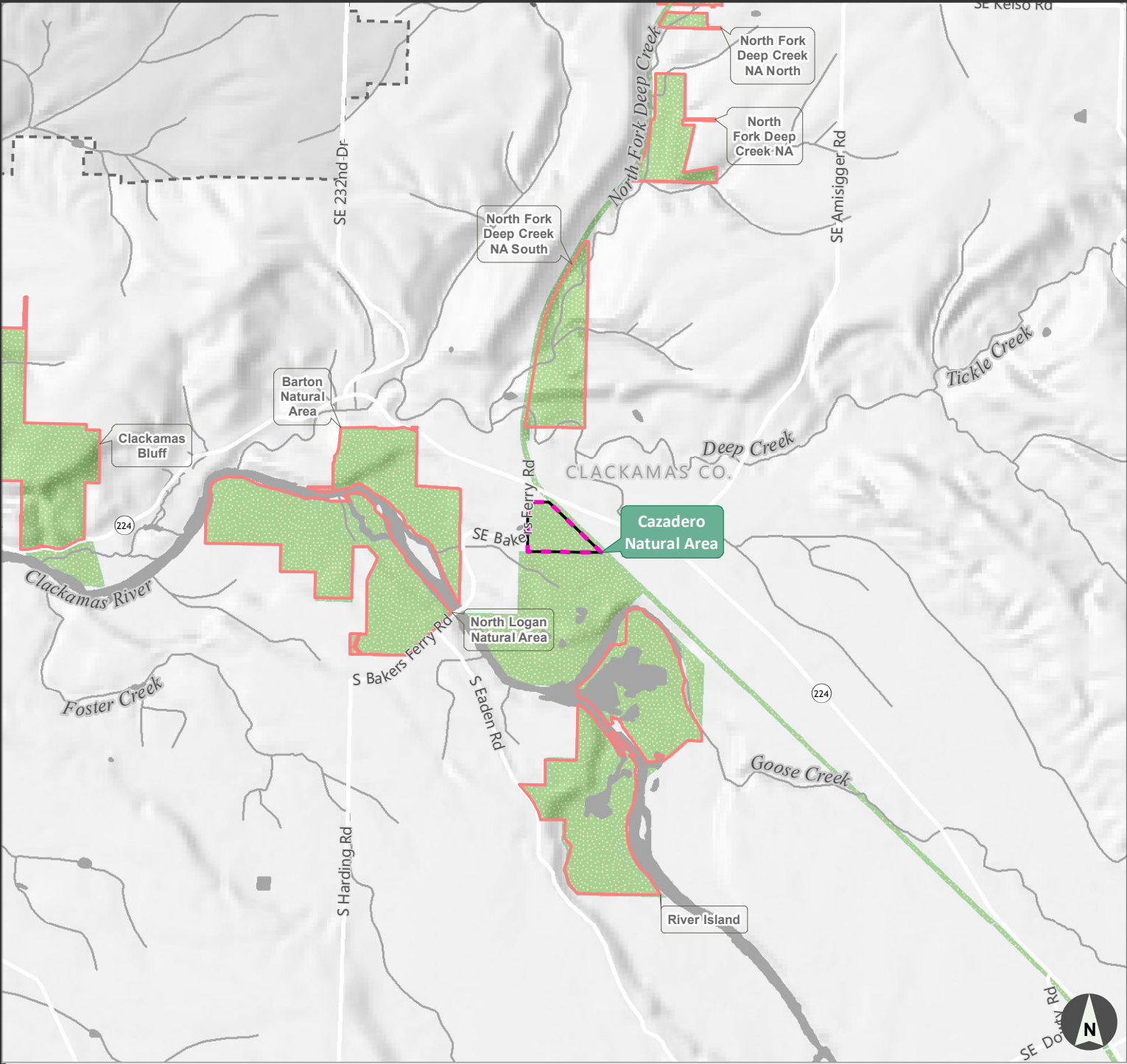
A-1 Summary of stewardship actions




A-2 Budget for stewardship actions

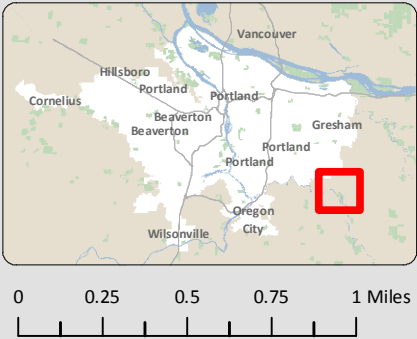
**Appendix B** – Invasive species

**Appendix C** – Incident action plan

# Vicinity map







-  Cazadero Natural Area
-  Other Metro sites
-  Parks and/or Natural Areas

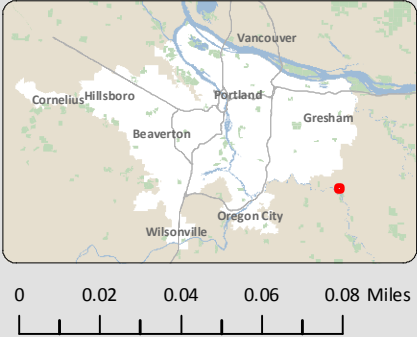




# Site map




-  Cazadero Natural Area
-  Streams
-  Existing Regional Trail
-  Planned Multi-use Trail








# Current cover map



 Cazadero Natural Area site

 Developed - (pervious/non ag)

 Upland forest - coniferous

0 0.02 0.04 0.06 0.08 Miles  


Featured site


## Cazadero Natural Area




# Site infrastructure map




 Featured site

 Parks and or Natural Area

Trail Surface

 hard surface

 bollards  Fence

0 0.02 0.04 0.06 0.08 Miles  




# Fire Incident Action Plan

primary entrance: approx 18700 SE Bakers Ferry Rd, Boring, OR 97009

Site Stewardship Plan



Metro



- Featured site
- Parks and or Natural Area
- Structures
- Fire districts
- Fence
- bollards
- Metro trail (hard surface)
- Existing regional trail

0 0.02 0.04 0.06 0.08 Miles

Cazadero Natural Area

lat/long for primary entrance: ((45.38829617, -122.40795103))

Metro Parks & Nature - map date: 11/6/2020

## APPENDIX A-1

### CAZADERO NATURAL AREA SUMMARY OF STEWARDSHIP ACTIONS

#### Stewardship actions planned for the next five to ten years at Cazadero Natural Area.

*(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
SITE MONITORING			
Other monitoring – site walk	Regular site walks to monitor for unauthorized access, encroachments, and illegal activities.	Quarterly	Natural Resource Specialist/Technician and Natural Areas Ranger
Vegetation monitoring – invasive weeds	Site walks to monitor invasive species growth and areas of future eradication.	Spring/fall	Natural Resource Specialist/Technician
VEGETATION MANAGEMENT			
Invasive weed control	Invasive weed control of priority invasive species of concern.	Ongoing	Natural Resource Specialist/Technician
ACCESS AND INFRASTRUCTURE			
N/A	N/A	N/A	N/A
WATER RESOURCES			
N/A	N/A	N/A	N/A
WILDLIFE HABITAT			
N/A	N/A	N/A	N/A

APPENDIX A-2

CAZADERO NATURAL AREA 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									
							FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30
Site-wide	Vegetation management	Invasive control	Invasive weed control of priority species of concern.	All	Ongoing	High	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00
Totals							\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00



## APPENDIX B

### CAZADERO NATURAL AREA INVASIVE SPECIES

The table below summarizes a preliminary list of invasive plants in all or parts of Cazadero Natural Area, 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 Cazadero Natural Area (EDRR species are bolded in red)

GENUS	SPECIES	COMMON NAME	FOCUS AREA FOR DETECTION/CONTROL	CONTROL TIMING
<i>Articum</i>	<i>minus</i>	lesser burdock	Site wide	Spring
<b><i>Brachypodium</i></b>	<b><i>sylvaticum</i></b>	<b>false-brome</b>	Site wide	Spring/Fall
<b><i>Centaurea</i></b>	<b><i>pratensis</i></b>	<b>knapweed: meadow</b>	Site wide	Spring
<i>Cirsium</i>	<i>arvense</i>	thistle: Canada	Site wide	Spring
<i>Cirsium</i>	<i>vulgare</i>	thistle: bull	Site wide	Spring
<i>Crataegus</i>	<i>sp</i>	Hawthorn (not specific)	Site wide	Fall
<i>Cytisus</i>	<i>scoparius</i>	Scots broom	Site wide	Spring
<b><i>Daphne</i></b>	<b><i>laureola</i></b>	<b>Spurge Laurel</b>	Site wide	Spring
<i>Digitalis</i>	<i>purpurea</i>	purple foxglove	Site wide	Spring
<i>Dipsacus</i>	<i>fullonum</i>	teasel	Site wide	Spring
<i>Geranium</i>	<i>lucidum</i>	geranium: shining	Site wide	Spring
<i>Phalaris</i>	<i>arundinacea</i>	reed canarygrass	Site wide	Spring
<b><i>Polygonum</i></b>	<b><i>sp</i></b>	<b>Knotweed</b>	Site wide	Summer
<i>Prunus</i>	<i>avium</i>	sweet cherry	Site wide	Fall
<i>Rubus</i>	<i>bifrons</i>	blackberry: Himalayan	Site wide	Fall
<i>Senecio</i>	<i>jacobaea</i>	tansy ragwort	Site wide	Spring

## **APPENDIX C**

### **INCIDENT ACTION PLAN**

#### **CAZADERO NATURAL AREA**

##### **Address/access points**

Address:

- 18700 SE Bakers Ferry Rd, Boring, OR 97009

Primary access (parking off of Bakers Ferry or Cazadero Trail – gravel road):

- 18700 SE Bakers Ferry Rd, Boring, OR 97009
- Latitude: 45.3882961700; Longitude: -122.4079510300
- Bollards – OPRD key; No Knox box or fire district lock

##### **Location**

Primary access:

- T2S R3E S23

##### **Acreage**

24.31

##### **Structures**

There are no structures onsite. Approximately 475 feet of the Cazadero Trail runs through the northernmost section of the site, and the bollards at the trailhead are locked with an OPRD key. A power line corridor borders the eastern boundary, and a chain-link fence runs along the southern boundary which is shared with Clackamas County.

##### **Water sources and staging areas**

Barton Park and the Clackamas River are the closest water sources and staging areas. There are no opportunities for sourcing water or areas for staging onsite.

##### **Sensitive habitat**

See the SCP for details.

### **Contact information\***

#### **Metro Conservation Program**

Justin Takkunen, Natural Areas Land Manager	503-964-2386 (cell)
Kristina Prosser, Natural Resource Specialist	971-678-4121 (cell)
Brian Vaughn, Natural Resource Scientist	503-830-8719 (cell)
Carrie Belding, Communications Coordinator	971-940-9562 (cell)

#### **Sheriff/police department**

Emergency	911
Police Dept, non-emergency	503-655-8211

#### **Local fire department**

Clackamas Fire District #1, Station 14	503-742-2600
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*\*Please see Terramet for most up to date contact information.*