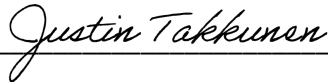


Cazadero North Natural Area

Approvals for Site Stewardship Plan

Date first routed September 15, 2020

Justin Takkunen

Signature  Date 3/4/21

Jonathan Soll

Signature  Date 3/4/21

Dan Moeller

Signature Dan Moeller Date 9-15-20

SITE STEWARDSHIP PLAN

Cazadero North 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.

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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Sam Chase, District 5

Bob Stacey, District 6

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CAZADERO NORTH NATURAL AREA SITE INFORMATION

LOCATION

Address: 13305 SE Richey Rd, Boring, OR 97009

County: Clackamas

Number of acres: 2.89

Metro file no.: S 46.02

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

PROPERTY NAME	FILE NO.	BOND YEAR	DATE ACQUIRED	MANAGEMENT	ACRES
Boring Grange	P46.015	2006	6/25/2015	Metro	3.70

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 North 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 North 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 North 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 North 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 North Natural Area.

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

SECTION 3: SITE MANAGEMENT

Metro's management of Cazadero North 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.¹

Current and historical SUPs for this site can be found in Terramet in the Site Documents section of the Cazadero North Natural Area Docs & Agreements page. There are no recurring SUPs for the site at this time.

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.

¹ More information regarding policies, guidelines, and applications can be found at www.oregonmetro.gov/specialuse.

Existing deed restrictions, easements and other site agreements include:

Site wide

- Legal access agreement, granted to OPRD to use Metro-approved herbicide to treat knotweed between Metro natural areas and the Cazadero Trail.
- Reservation of utilities in vacated street area and the right to maintain them, as disclosed by Quitclaim Deed Fee No. 88005981, recorded February 17, 1988.
- Easement created for rights-of-way in favor of Portland General Electric Company. This easement runs within the old railway right-of-way and was given to PGE by Portland Traction Company, the owner of the railway.
- Contract #936952 with the Clackamas River Basin Watershed Council (CRBC) for funding and revegetation activities for the North Fork Deep Creek Stream Stabilization Project. Effective 7/1/2020; term is through 12/31/2022. CRBC will be completing revegetation activities following construction activities being completed in summer of 2020.

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 residential or agricultural lease agreements for the site at this time.

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

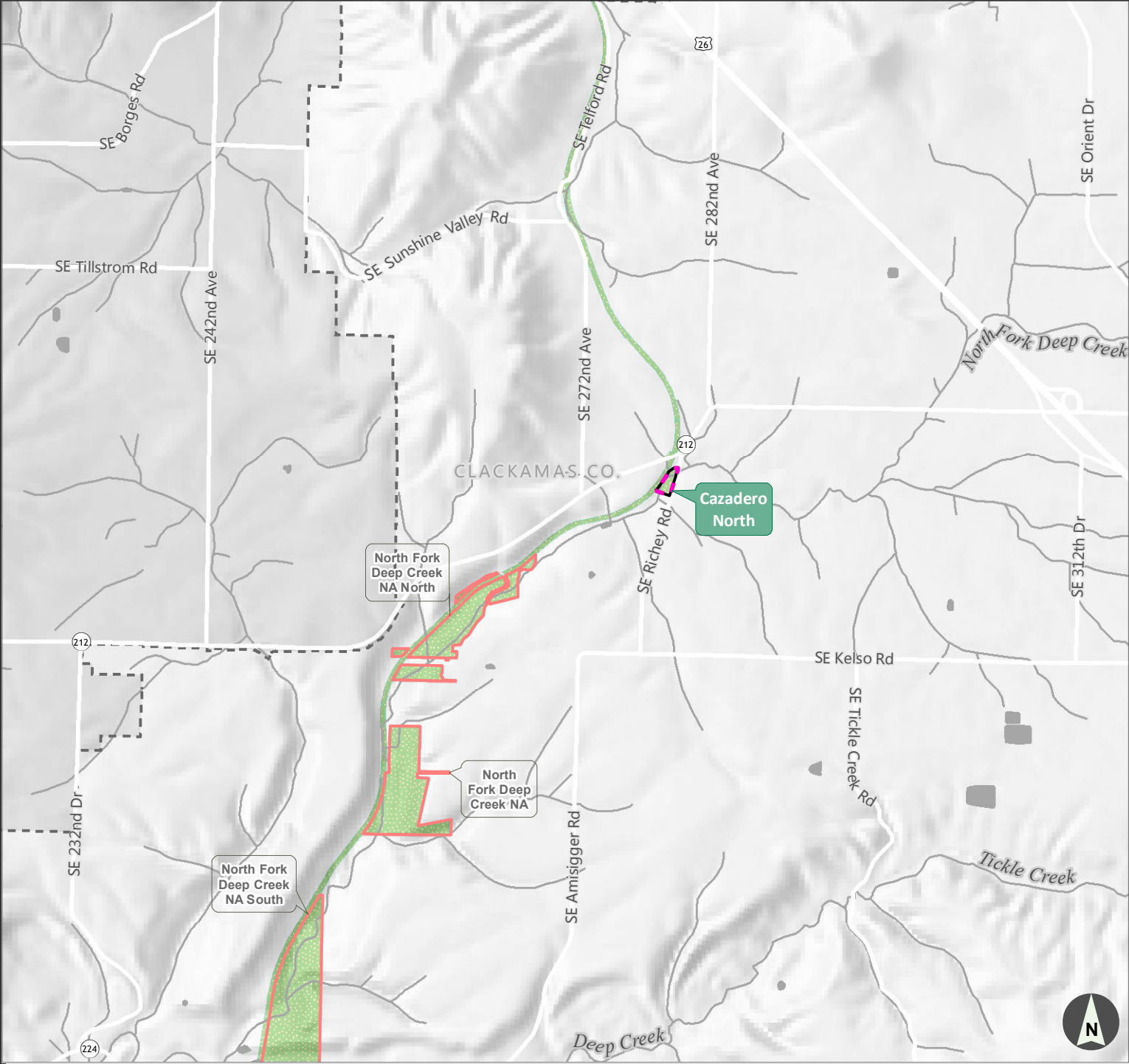
A-1 Summary of stewardship actions




A-2 Budget for stewardship actions

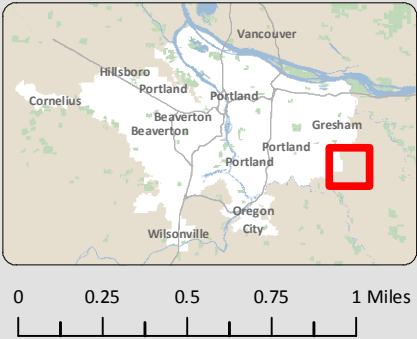
Appendix B – Invasive species

Appendix C – Incident action plan

Vicinity map






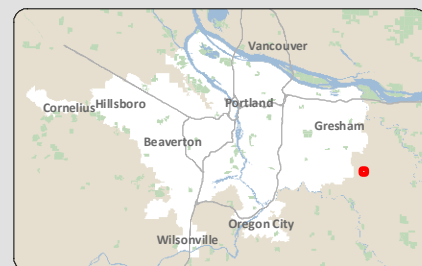
-  Cazadero North
-  Other Metro sites
-  Parks and/or Natural Areas




Site map




-  Cazadero North
-  Streams
-  Existing Regional Trail



0 0.01 0.02 0.03 0.04 Miles


Current cover map




 Cazadero North site

 Developed - (impervious)

 Riparian forest

Featured site

Cazadero North

0 0.01 0.02 0.03 0.04 Miles


Site infrastructure map



Featured site



Parks and or Natural Area



gate



parking



water source



fence

0 0.01 0.02 0.03 0.04 Miles



Fire Incident Action Plan

primary entrance: approx 13305 SE RICHEY RD, Boring, OR 97009

Site Stewardship Plan



Metro



Featured site

Parks and or Natural Area

Structures

Fire districts

Fence

gate

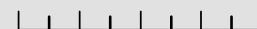
parking

water source

Existing regional trail



0 0.01 0.02 0.03 0.04 Miles



Cazadero North

lat/long for primary entrance: ((45.42815538, -122.37543407))

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

APPENDIX A-1

CAZADERO NORTH NATURAL AREA SUMMARY OF STEWARDSHIP ACTIONS

Stewardship actions planned for the next five to ten years at Cazadero North 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 NORTH 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	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00
Totals							\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00

APPENDIX B

CAZADERO NORTH NATURAL AREA INVASIVE SPECIES

The table below summarizes a preliminary list of invasive plants in all or parts of Cazadero North 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.

Working list of priority non-native species at Cazadero North Natural Area.
(EDRR species are bolded in red)

GENUS	SPECIES	COMMON NAME	FOCUS AREA FOR DETECTION/CONTROL	CONTROL TIMING
Allaria	petiolata	garlic mustard	Single location	Spring/Fall
<i>Calystegia</i>	<i>sepium</i>	hedge bindweed	Site-wide	Summer
Centaurea	pratensis	knapweed: meadow	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>Cytisus</i>	<i>scoparius</i>	Scots broom	Site-wide	Spring
<i>Digitalis</i>	<i>purpurea</i>	purple foxglove	Site-wide	Spring
<i>Dipsacus</i>	<i>fullonum</i>	teasel	Site-wide	Spring
Geranium	lucidum	geranium: shining	Riparian	Spring
<i>Hedera</i>	<i>sp</i>	ivy	Site-wide	Winter
Iris	pseudacorus	yellow flag iris	Riparian	Spring/Fall
<i>Phalaris</i>	<i>arundinacea</i>	reed canarygrass	Site-wide	Spring
Phytolacca	americana	American pokeweed	Riparian	Summer/Fall
Polygonum	sp	knotweed	Riparian	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

There is no data for this site on the 2014 weed mapping spreadsheet. Points collected at time of treatment.

APPENDIX C

INCIDENT ACTION PLAN

CAZADERO NORTH NATURAL AREA

Address/access points

Address:

- 13305 SE Richey Rd, Boring, OR 97009

Primary access (paved driveway apron):

- 13105 SE Richey Rd, Boring, OR 97009
- Latitude: 45.4281553800; Longitude: -122.3754340700
- Gate – Metro A lock with chain. No Knox box or fire district lock.

Secondary access (park and walk):

- 12975 SE Richey Rd, Boring OR
- Latitude: 45.428683 Longitude: -122.375371
- Parking is on Clackamas County property and at the Cazadero Trail trailhead. This trailhead is managed by OPRD.
- Vehicle access on Cazadero Trail is through OPRD bollards; OPRD key is needed for vehicle access on trail.

Location

Primary access:

- T2S R3E S01

Secondary access:

- T2S R3E S01

Acreage

2.89

Structures

No structures onsite.

Water sources and staging areas

The North Fork of Deep Creek could be accessed from either the primary or secondary access point. The secondary location would work as a staging area, but note that parking for this entry point is on Clackamas County property.

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.*