

Barton Natural Area

Approvals for Site Stewardship Plan

Date first routed: August 6, 2019

Justin Takkunen

Signature

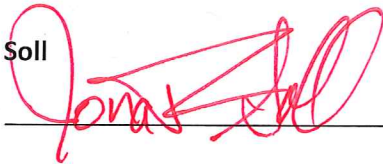


Date

9/2/19

Jonathan Soll

Signature



Date

2/25/2020

Dan Moeller

Signature



Date

10/30/19

SITE STEWARDSHIP PLAN

Barton Natural Area



August 2019



Metro

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BARTON NATURAL AREA SITE INFORMATION

LOCATION

Address: 19115 SE Bakers Ferry Rd, Boring, OR 97009

County: Clackamas

Number of acres: 95.7

Metro file no.: S 18.04

Table 1: Metro natural area bond purchased land for Barton Natural Area

PROPERTY NAME	FILE NO.	BOND YEAR	DATE ACQUIRED	MANAGEMENT	ACRES
Hooton	P18.003	1995	12/31/1997	Metro	46.00
Keens Trust	P18.014	1995	2/9/1999	Metro	51.50

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 Barton Natural Area include:

- Invasive species management.
- Maintain tree and shrub plantings.
- Monitor for unauthorized access, encroachment and illegal activities.

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 Barton 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 Barton Natural Area may include:

- Regular site walks to identify issues such as hunting, illegal dumping, and inappropriate public use/access such as camping.
- Site walks to monitor invasive species growth and areas of future eradication.
- Site walks to monitor site after high water events.

2.2 VEGETATION MANAGEMENT

Key vegetation management actions for the next five to ten years at Barton Natural Area relate primarily to:

- Treat invasive weeds on site including high priority EDRR weeds.
- Maintain planted trees and shrubs until they are free to grow.

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 Barton Natural Area.

Key access and infrastructure actions at Barton Natural Area are:

- Fencing project near Hwy 224 to improve wildlife passage, secure boundary, and improve contractor access.
- Survey eastern boundary; mark with Carsonite signs.
- Maintain signage: natural area rules signs, no hunting, high fire danger, etc.

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 that need to be taken 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 resource actions that need to be taken at this time. However, due to an active bald eagle nest and a known population of western pond turtles, the Migratory Bird Act regulations and best management practices for turtles should be closely followed when on site.

SECTION 3: SITE MANAGEMENT

Metro's management of Barton 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

There are no recurring SUPs for the site at this time. However, current and historical SUPs for this site can be found in Terramet in the Site Documents section of the Barton 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.

There are currently no deed restrictions, easements or other site agreements that pertain to 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.

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

Existing lease agreements (Map 6) include:

Residential

- Hooten – Residential lease (contract 920298, Map 6) to Century 21 Northstar, Larry Bailey and Luella Bailey. Effective 12/1/2011 and expiring 6/30/2019.

For more detailed information on any of the above leases, please refer to the Agreements section of the Terramet site page for Barton Natural Area or the Leases tab of the Terramet Administration Agreements page.

MAPS

Map 1 – Vicinity map

Map 2 – Site map

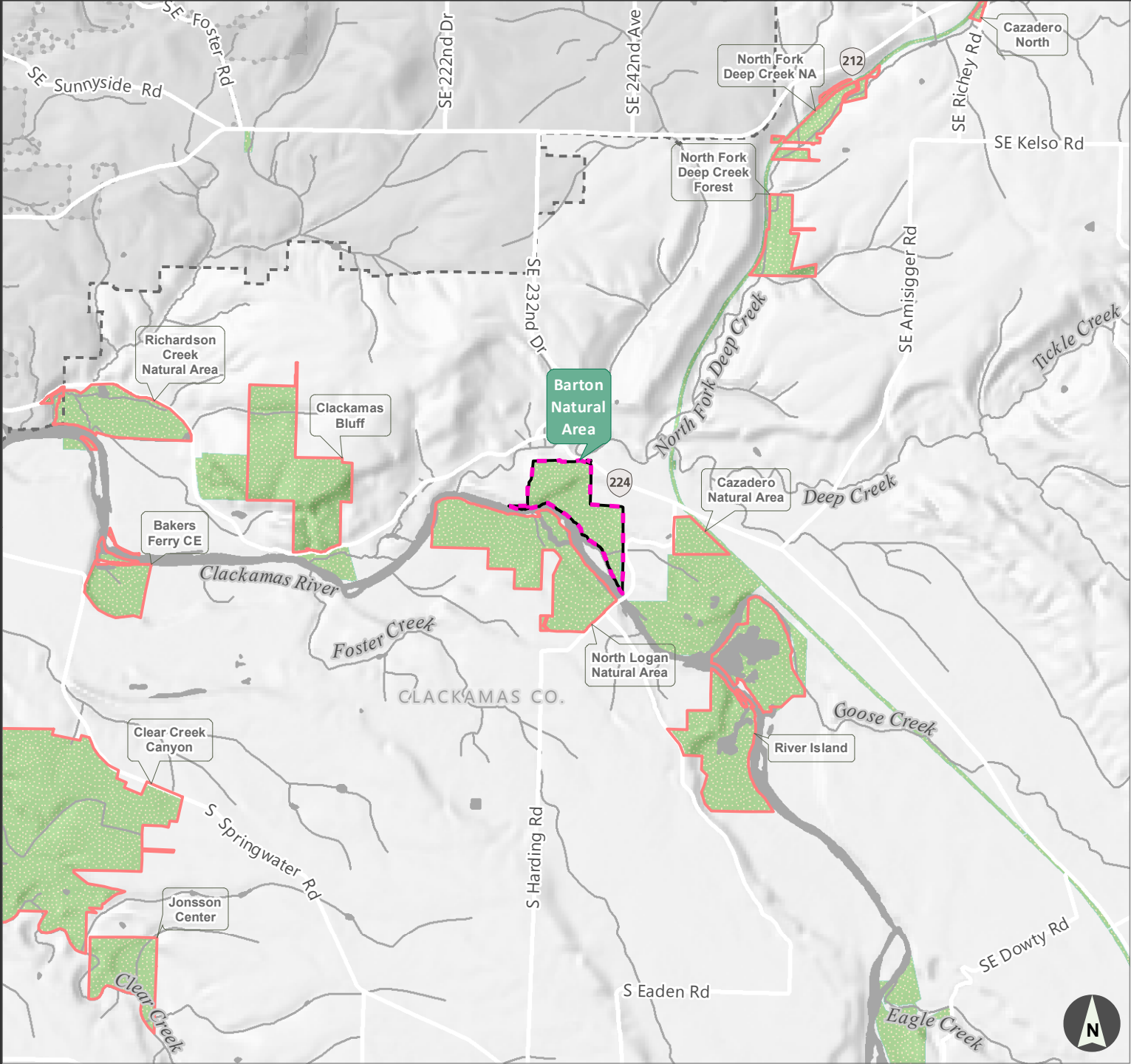
Map 3 – Current cover




Map 4 – Site infrastructure

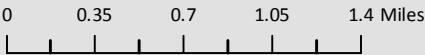
Map 5 – Incident action plan

Map 6 – Residential lease

Vicinity map

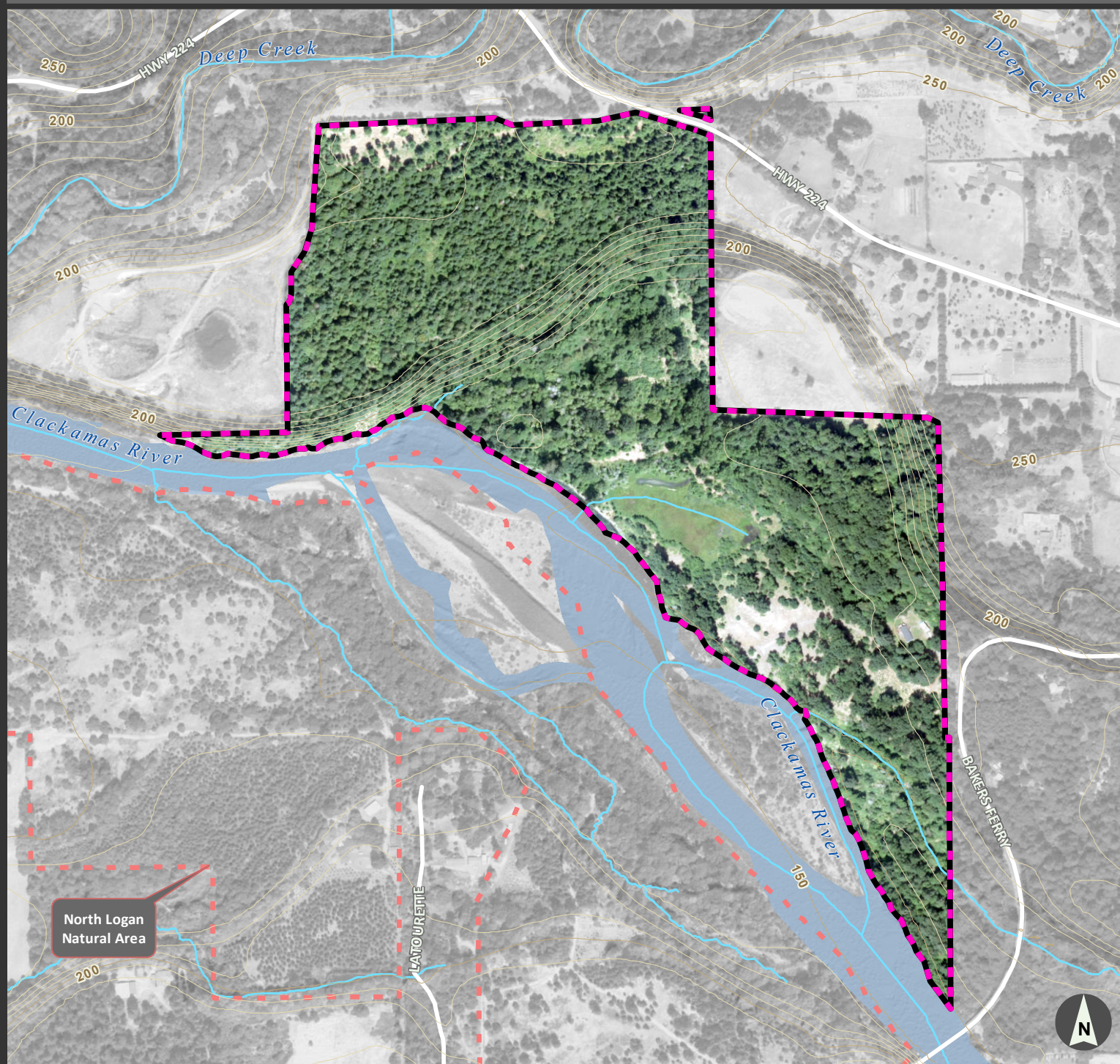





-  Barton Natural Area
-  Other Metro sites
-  Parks and/or Natural Areas

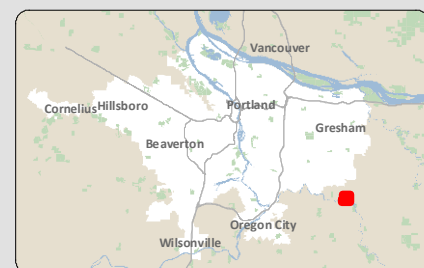


Barton Natural Area

Site map

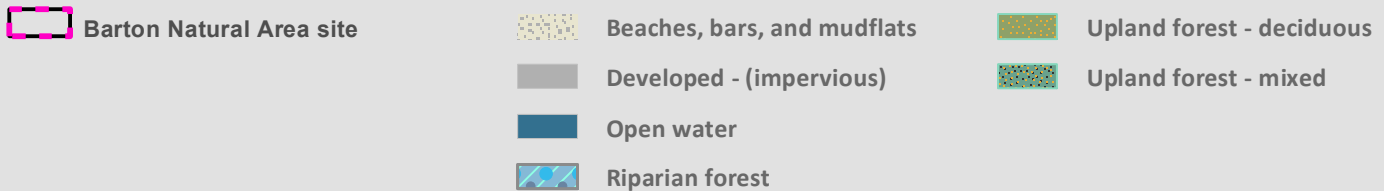
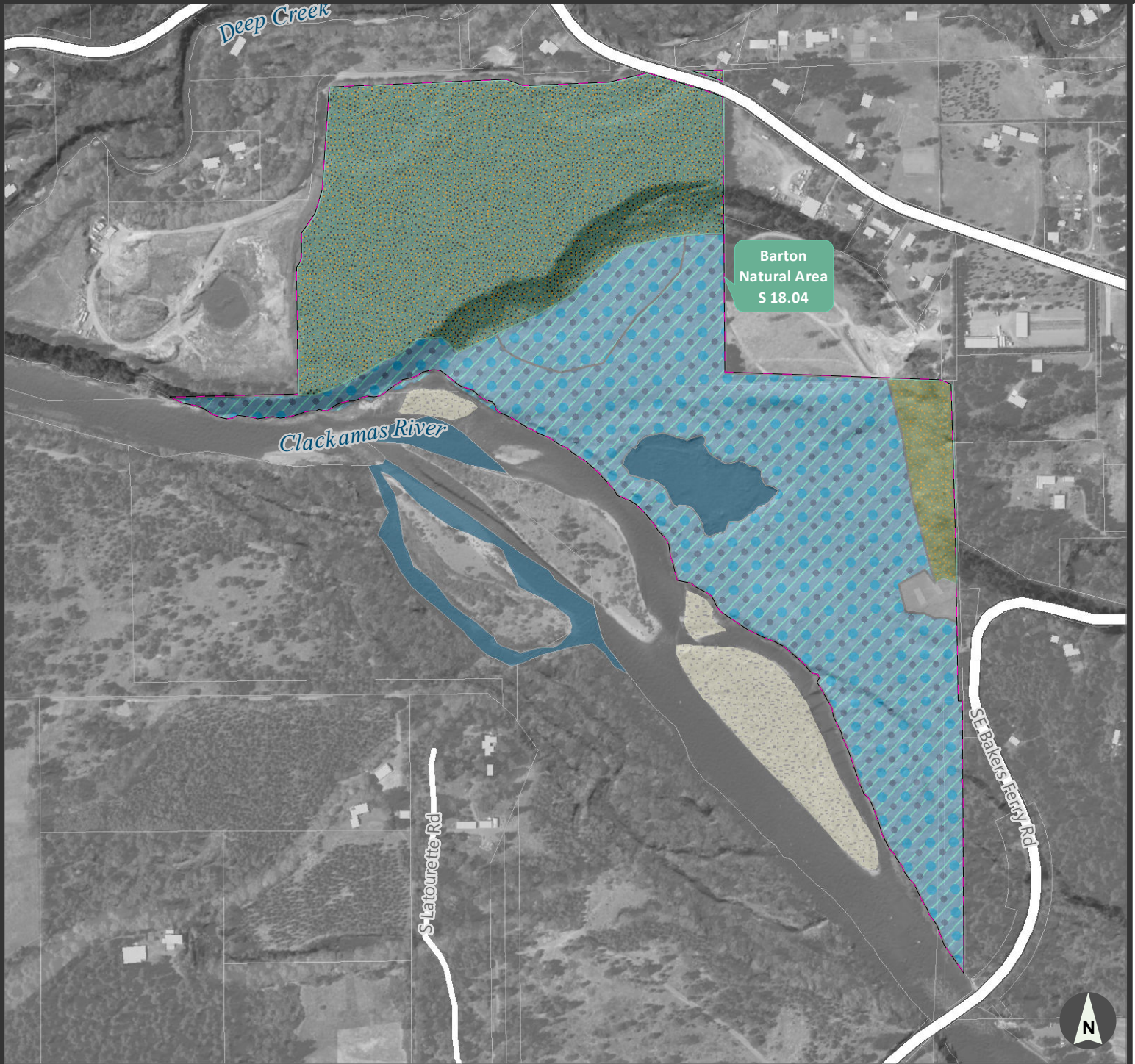


-  Barton Natural Area
-  other Metro managed site
-  Streams



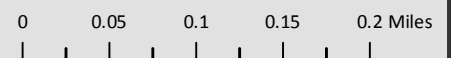
0 0.05 0.1 0.15 0.2 Miles

Current cover map

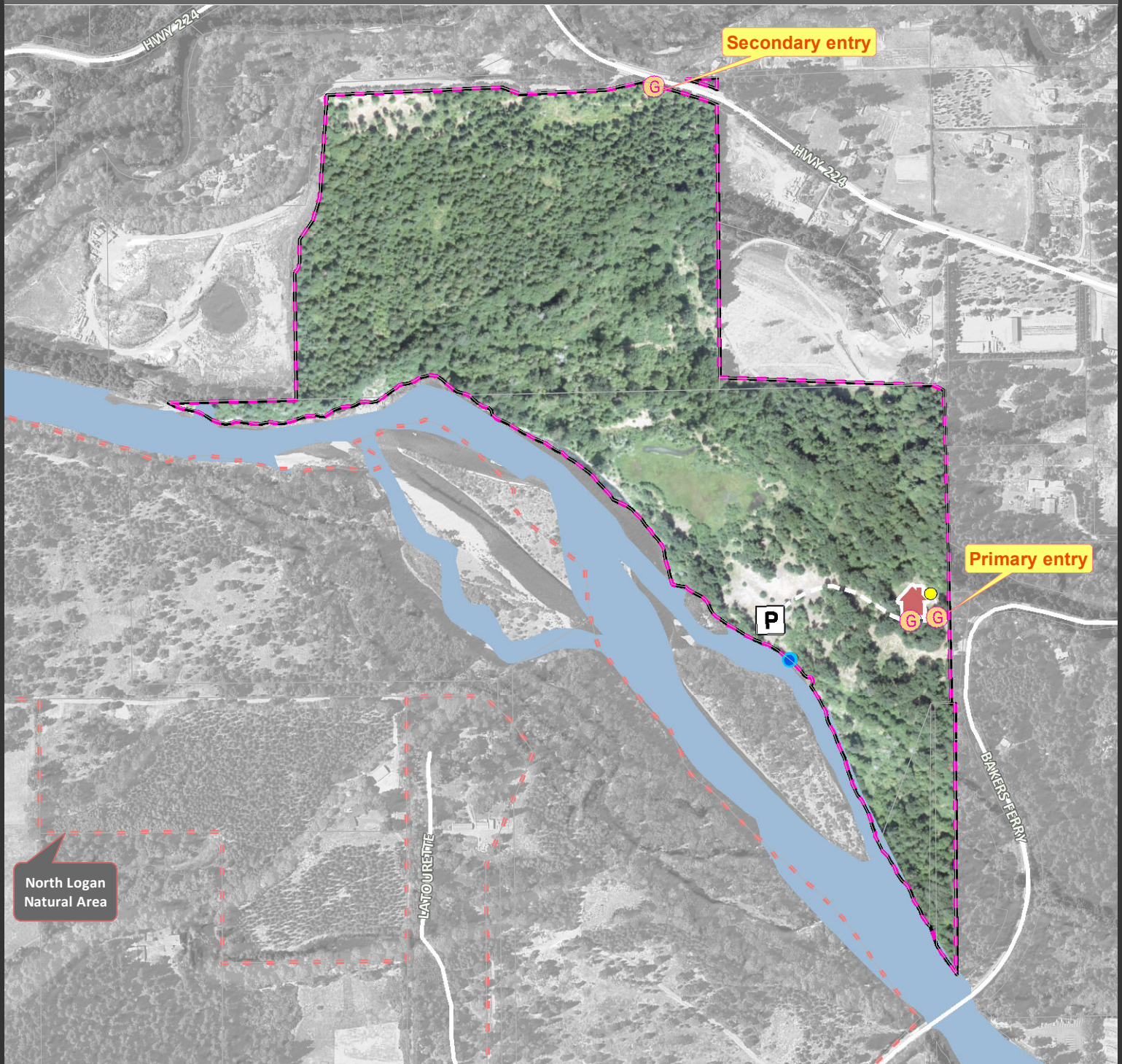


Featured site

Barton Natural Area








Site infrastructure map

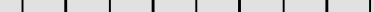


North Logan
Natural Area

 Featured site
 other Metro site Labels

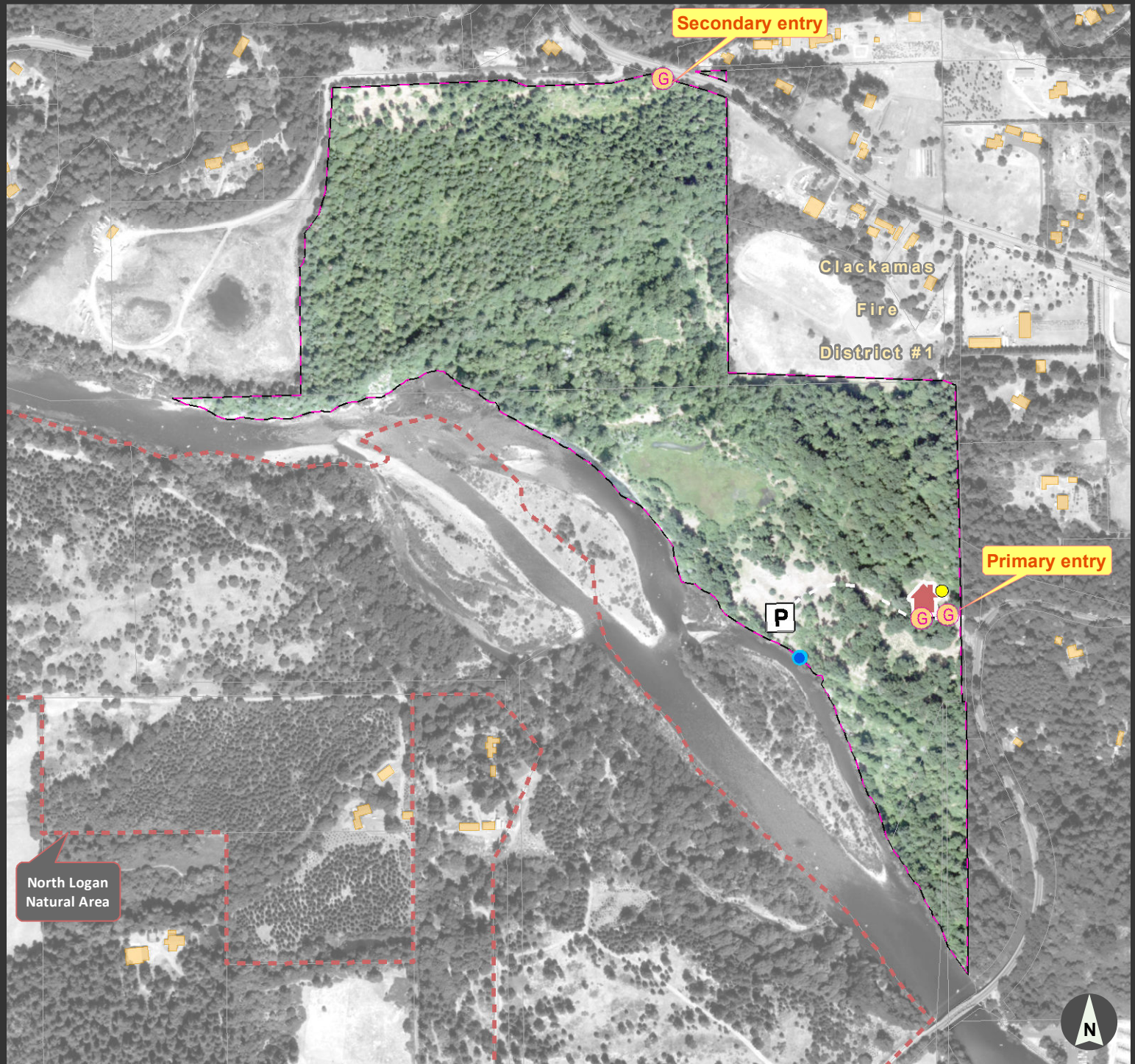
Road network on site
--- 4x4 /dry season

 house  parking  water source
 gate  structure

0 0.05 0.1 0.15 0.2 Miles



Fire Incident Action Plan

primary entrance: approx 19115 SE Bakers Ferry Rd, Boring, OR 97009



 Featured site

 Other Metro site Labels

 Fire districts


 Structures


Roads

 4x4 /dry season

 house

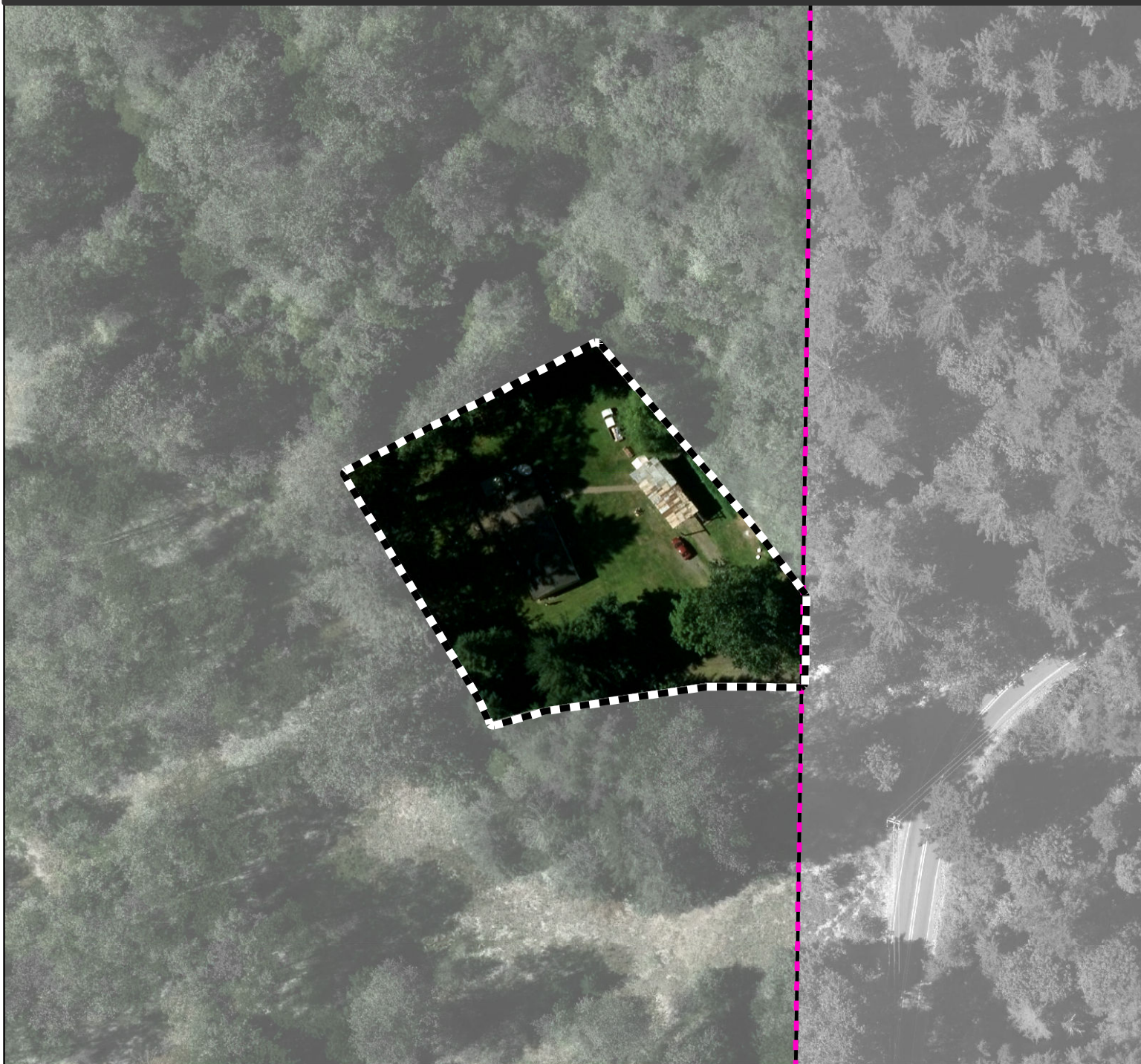
 gate

 parking


 structure


 water source

0 0.05 0.1 0.15 0.2 Miles



Legend

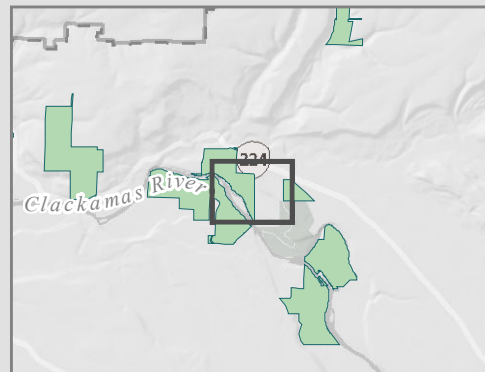
 Featured Site

 Lease area



1 inch = 83 feet

0 80



APPENDIX A-1

BARTON NATURAL AREA SUMMARY OF STEWARDSHIP ACTIONS

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

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

PROJECT TYPE	DESCRIPTION	TIMING/FREQUENCY	COMPLETED BY
SITE MONITORING			
Other monitoring – site walk	Regular site walks to identify issues such as hunting, illegal dumping, and inappropriate public use/access such as camping.	Quarterly	Natural Resource Specialist/Natural Resource Technician
Vegetation monitoring – invasive weeds	Site walks to monitor invasive species growth and areas of future eradication.	Spring/Fall	Natural Resource Specialist/Natural Resource Technician
VEGETATION MANAGEMENT			
Invasive weed control	Treat invasive weeds on site including high priority EDRR weeds.	Spring/Fall	Natural Resource Specialist/Natural Resource Technician
Planting – tree and shrub	Maintain trees and shrubs until they are free to grow.	Spring/Fall	Natural Resource Specialist/Natural Resource Technician
ACCESS AND INFRASTRUCTURE			
Fence	Fencing project near Hwy 224 to improve wildlife passage, secure boundary and improve contractor access.	Once	Natural Resource Specialist/Natural Resource Technician
Survey – mark boundary/corner	Survey eastern boundary; mark with Carsonite signs.	Once	Natural Resource Specialist/Natural Resource Technician
Signage	Maintain signage: natural area rules, no hunting, high fire danger, etc.	Ongoing	Natural Resource Specialist/Natural Resource Technician
WATER RESOURCES			
N/A	N/A	N/A	N/A
WILDLIFE HABITAT			
N/A	N/A	N/A	N/A

APPENDIX A-2

BARTON 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										
							FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29
Site wide	Vegetation management	Invasive weed control	Treat invasive weeds on site including high priority EDRR weeds.	Upland/riparian	Ongoing	Medium	\$9,000	\$7,500	\$7,500	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Upland forest/property boundary	Vegetation management	Planting - tree and shrub	Tree and shrub maintenance.	Upland	Ongoing	High	\$4,500	\$4,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Off Hwy 224	Access and infrastructure	Fence	Fencing project near Hwy 224 to improve wildlife passage, secure boundary and improve contractor access.	Upland	Once	High	\$0	\$14,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Eastern boundary	Access and infrastructure	Survey - mark boundary/corner	Survey eastern boundary; mark with Carsonite signs.	Upland	Once	Medium	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Totals							\$13,500	\$36,000	\$7,500	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000

APPENDIX B

BARTON NATURAL AREA INVASIVE SPECIES

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

GENUS	SPECIES	COMMON NAME	FOCUS AREA FOR DETECTION/CONTROL	CONTROL TIMING
Allaria	petiolata	Garlic mustard	Riparian/road side	Spring/Fall
Arctium	minus	Lesser burdock	Site wide	Spring
Arum	italicum	Lord and ladies	Upland/riparian	Spring
Brachypodium	sylvaticum	False brome	Site wide	Spring/Fall
Calystegia	sepium	Hedge bindweed	Riparian	Summer
Centaurea	pratensis	Meadow knapweed	Upland	Spring
Cirsium	arvense	Canada thistle	Site wide	Spring/Fall
Cirsium	vulgare	Bull thistle	Site wide	Spring/Fall
Clematis	vitalba	Clematis	Site wide	Fall/Winter
Crataegus	sp	Hawthorn	Site wide	Fall/Winter
Cytisus	scoparium	Scots broom	Site wide	Spring
Daphne	laureola	Spurge laurel	Site wide	Winter/Spring
Digitalis	purpurea	Purple foxglove	Site wide	Spring
Dipsacus	fullonum	Teasel	Site wide	Spring/Fall
Geranium	lucidum	Shining geranium	Site wide	Spring/Fall
Geranium	robertianum	Herb Robert	Site wide	Spring/Fall
Hedera	sp	Ivy	Site wide	Fall/Winter
Hesperis	matronalis	Dames rocket	Site wide	Spring
Hieracium	sp	Hawkweed	Site wide	Spring
Ilex	aquifolium	English holly	Site wide	Fall/Winter
Lamiaceae	sp	Cusick's horsemint	Site wide	Spring
Lychnis	coronaria	Mullein pink	Site wide	Spring
Lythrum	salicaria	Purple loosestrife	Riparian	Summer
Melissa	officinalis	Common balm	Site wide	Spring
Origanum	vulgare	Oregano	Site wide	Spring
Phalaris	arundinacea	Reed canarygrass	Riparian	Spring
Polygonum	sp	Knotweed	Riparian	Summer/Fall

GENUS	SPECIES	COMMON NAME	FOCUS AREA FOR DETECTION/CONTROL	CONTROL TIMING
<i>Prunus</i>	<i>avium</i>	Sweet cherry	Site wide	Fall/Winter
<i>Prunus</i>	sp	Cherry	Site wide	Fall/Winter
<i>Rosa</i>	sp	Rose	Upland	Fall
<i>Rubus</i>	<i>bifrons</i>	Himalayan blackberry	Site wide	Fall
<i>Rubus</i>	<i>lacinatus</i>	Evergreen blackberry	Site wide	Fall
<i>Senecio</i>	<i>jacobaea</i>	Tansy ragwort	Site wide	Spring
<i>Solanum</i>	<i>dulcamara</i>	Bittersweet nightshade	Site wide	Spring
<i>Vinca</i>	<i>major</i>	Vinca major	Site wide	Fall/Winter

APPENDIX C

INCIDENT ACTION PLAN

BARTON NATURAL AREA

Address/access points

Address:

- 19115 SE Bakers Ferry Rd, Boring, OR 97009

Primary access (gravel/dirt road):

- 19115 SE Bakers Ferry Rd, Boring, OR 97009
- Latitude: 45.38664; Longitude: -122.414277
- Primary gate: Metro A lock. No Knox Box or fire district lock.
- Secondary gate: Metro B lock. No Knox Box or fire district lock.

Secondary access (gravel/dirt road):

- No situs – closest address is 23636 SE Hwy 224, Boring, OR 97009
- Latitude: 45.392889; Longitude: -122.42009
- Gate: Metro A lock; no Knox Box or fire district lock.

Location

Primary access:

- T2S R3E S22

Secondary access:

- T2S R3E S15

Acreage

97 acres

Structures

There are three structures found near the primary access: one house, one carport, and one well house.

Water sources and staging areas

A staging area is onsite just past the second gate. See Map 5. This area is mowed annually to allow for year-round access. There is a water draw location where a brush rig could back down or a hose could be ran to a side channel of the Clackamas River as a water source. The coordinates for these locations are below.

- Staging area – Latitude: 45.386319; Longitude: -122.416572
- Water draw location – Latitude: 45.385975; Longitude: -122.416350

Sensitive habitat

Pond turtles and bald eagles nesting near pond. 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)
Yuxing Zheng, Communications Coordinator	971-344-2207 (cell)

Sheriff/police department

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

Local fire department

Clackamas Fire District #1	503-742-2600
Fire and Rescue Station #8	

Tenants

Residential Lease

Century 21 Northstar	503-297-1014
Larry Bailey	503-568-5138
Luella Bailey	541-910-6948

19115 SE Bakers Ferry Rd, Boring, OR 97009

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