

MASTER STEWARDSHIP PLAN For the INNIS ARDEN NATURAL RESERVES

General Information

- Section 1 – Overview
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Written by: _____ Date: _____

Revised by: New Document Date: NA

Reserves Chairman _____ Date: _____

REVISION HISTORY

Revision	Major Changes
0	Creation of Document by Rick Leary and Al Wagar

Section 1 OVERVIEW

The natural reserves of Innis Arden have many facets. Learning all that is required to maintain them can be challenging, often aided through the help of prior Reserves chairpersons and residents who have specialized knowledge about trees and vegetation. The Reserves Chairperson is an elected member of the Innis Arden Board of Directors with a three-year term and may change from time to time, either by a reshuffling of Board positions or by being replaced by election. Therefore it is important to have basic information for management of the natural reserves available in one place.

This document attempts to bring into one place most of needed information, the maintenance procedures, and relevant documents required to manage the Innis Arden natural reserves. It is a living document that will require periodic revision to make it more efficient and relevant to current regulatory requirements. The various requirements are broken into separate documents, keeping the total package from becoming too cumbersome and making it easier to create and modify tables, insert documents, insert pictures, or create flow charts.

Section 2 NATURAL RESERVES MANAGEMENT DOCUMENTS

The following documents provide general guidelines to the various maintenance aspects of the natural reserves. Each document is a stand-alone document that may be revised without the need to revise the master document. It also will allow the development of each sub-document separately and on a timeline appropriate to each.

Document No	Title
MSP-2	Routine Maintenance of the Reserve <ul style="list-style-type: none">• Mowing grass along sides of the natural reserve trails• Culling Sprouts and saplings from certain native trees• Cleaning up fallen branches and trees
MSP-3	Restoration of the Natural Reserve / Control of Invasive Plants:
MSP-4	Trail Construction and Maintenance
MSP-5	Cutting Requests in the Natural Reserves: Hazardous Trees and View Covenant Issues

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Section 3 - LEGAL DESCRIPTIONS FROM KING COUNTY PLAT MAPS:

Reserve	Plat Tract ID	KC Parcel Number
Bear East	C	358530 TRCT
Bear West	L	358590TRCT
Grouse North	D	358530TRCT
Grouse South	F	358590TRCT
Running Water North	E	358530TRCT
Running Water South	G	358590TRCT
Eagle Reserve	I	358590TRCT
Lower Eagle	J	358590TRCT
Boeing Creek Reserve	O	358650TRCT
Blue Heron Reserve	H	358590TRCT
Coyote	N	358530TRCT
Clubhouse Grounds	K	358590TRCT
Main Entrance off Richmond Beach Road	A & B	358530TRCT

King County Quarter Section Maps: Section 12, Township 26, Range 3

City of Shoreline Zoning for Innis Arden: R-4

SECTION 4 DESCRIPTIONS OF THE NATURAL RESERVES

Nine reserves are listed on the Plat Maps of King County from when Innis Arden was formed in the 1940s. One reserve serves as the clubhouse ground, and another reserve serves as the main entry into Innis Arden from Richmond Beach Road and 8th Avenue Northwest. All remaining reserves are referred to as Natural Reserves and total approximately 52 acres, with Boeing Creek Reserve approximately 25 acres; Blue Heron and Eagle Reserves approximately 10 acres each; and Running Water, Grouse, Bear and Coyote Reserves approximately 2 acres each.

The Natural Reserves serve as part of the natural spring and storm water drainage system of western Shoreline. Boeing Creek passes through Boeing Creek Reserve and starts from a spring that was covered over when the Sears/Central Market Business Complex was developed by William Boeing and from springs starting in other areas north of the park. Storm Creek passes through Eagle Reserve, originating near Syre School in the Hillwood Neighborhood north of Innis Arden. Heron Creek originates from springs in Running Water Reserve and properties along Springdale Court that usually flow year round. Heron Creek also provides storm water drainage from the business center parking lots on the corner of Richmond Beach Road and 8th Ave NW. Grouse Reserve has an intermittent stream that may have water during the normal rainy winter season. Bear Reserve only serves as a drainage ditch from storm sewer system directed from the area around Sunset School grounds. The great increase in impervious surfaces associated with development around the city have created extreme flows and erosion in Boeing Creek, Eagle, and Blue Heron Reserves during heavy rainstorms

The vegetation of the natural reserves is primarily what has come back since the areas was logged in the 1930s. The trees are primarily early successional hardwoods, especially red alder, big leaf maple, and pin cherry, although Boeing Creek, Eagle, and Blue Heron Reserves have strong coniferous components, including Douglas-fir, western hemlock, and western red-cedar. Understory and ground-cover vegetation includes western hazelnut, Indian plum, salmonberry, sword fern, and Oregon grape, with major amounts of the invasive species English holly, English and Portuguese laurel, English ivy, and Himalayan blackberry, especially from more recent thinning or removal of over story trees (as well as side light from under the canopy.)

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Master Stewardship Plan, General Information about Innis Arden Reserves



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Section 5 – STREAM AND WETLAND CLASSIFICATION

Reserve or Name	Type	Documentation
Bear	--	Ditch – <u>Bear Reserve Drainage</u> by Greg Johnston, Dec 19, 2009
Boeing Creek	2	No Documentation
Boeing Creek Wetland	4	No Documentation. Near abandoned Sewage Plant
Coyote	4	No Documentation. Stream listed on DNR Maps
Heron Creek (Main)	3	<u>Reserve H (Blue Heron) Reconnaissance Evaluation</u> by Celine Abercrombie of Hart Crowser (Stream and Wetland Classification), June 24, 2010
Heron Creek (North)	4	<u>Reserve H (Blue Heron) Reconnaissance Evaluation</u> by Celine Abercrombie of Hart Crowser (Stream and Wetland Classification), June 24, 2010
Blue Heron Wetland	4	<u>Reserve H (Blue Heron) Reconnaissance Evaluation</u> by Celine Abercrombie of Hart Crowser (Stream and Wetland Classification), June 24, 2010
Running Water	3?	No Documentation, but it is the source of water for Heron Creek
Storm Creek (Eagle)	2 or 3	No Documentation
Grouse Reserve	4	<u>Grouse Reserve Vegetation Management Plan</u> by Kathleen Day, 2002

Section 6 -- REGULATORY AND LEGAL DOCUMENTS

The following documents may or may not be applicable to the Natural Reserves.

- 1.0 Shoreline Municipal Code Chapter 20.80, Critical Areas
- 2.0 Shoreline Municipal Code Chapter 20.20, Definitions
- 3.0 Shoreline Municipal Code Chapter 20.50 Subsections 290 to 370, Tree Conservation, Land Clearing and Site Grading Standards
Washington Ord. 531 § 1 (Exh. 1), 2009
- 4.0 Stormwater Management Manual for Western Washington by
Washington Department of Ecology (“Stormwater Manual”).
City of Shoreline Hearing Examiner Findings, Conclusions, and
- 5.0 Decisions, Removal of 46 Trees from Innis Arden Bear Reserve by
Sue A. Tanner, October 20, 2011
- 6.0 Innis Arden Reserves Policy, May 7, 1991, and Amended November
2005, by the Innis Arden Board of Directors
- 7.0 The Covenants for Innis Arden (I) recorded on 8-28-1941, Innis
Arden II, December of 1945, and Innis Arden III, 4-29-1949.
- 8.0 Tree Height Amendment for the Covenants of Innis Arden, recorded
in 1981 and 1982
- 9.0 Articles of Incorporation of the Innis Arden Club, May 17, 1950
- 10.0 Offer to Subscribe for Capital Stock, Innis Arden Club, June 5, 1950

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Section 7 – IMPORTANT INNIS ARDEN NATURAL RESERVE DOCUMENTS

The following documents have **importance** in that **they** have been written by Innis Arden residents or contractors.

Document Description
<u>Vegetation Management Plan for Sensitive Areas in Innis Arden</u> by Larry Bliss and Al Wagar, 1997
<u>Slope Stability And Water Problems Associated With Soil And Vegetation Of Innis Arden</u> , A.B. Adams and Rob Harrison, College of Forest Resources Soils Lab, University of Washington, 1993
Bear Reserve G4 Topographical Map
Bear Reserve Vegetation Management Plan by TR Leary
Blue Heron G4 Topographical Map, 2010
<u>Reserve H (Blue Heron) Reconnaissance Evaluation</u> by Celine Abercrombie of Hart Crowser (Stream and Wetland Classification), June 24, 2010
<u>North Blue Heron Vegetation Management Plan</u> by T. R. Leary
<u>Geotechnical Report on Reserve H</u> by Ralph Isaacs
<u>Grounds Reserve K Vegetation Management Plan</u> by T. R. Leary
<u>Reserve H / Blue Heron G4 Topographical Map</u> , 2004
Reserve K G4 Topographical Map, 2008
Running Water G4 Topographical Map, 2004
Reserve I / Eagle G4 Topographical Map, 2004
<u>Storm Creek Phase 1 Report</u> , by Steve Foley, King County Hydraulics Engineer, 1993
<u>Storm Creek Preliminary Analysis</u> , by Russ Gaston, Otak, 2009
<u>History of Gabions in Eagle Reserve</u> by T.R. Leary, 2010
<u>Preliminary Report on the Hydrology of the Storm Creek Basin</u> by Malcolm Leytham, Ph.D. & P.E. (2010)
Eagle Reserve G4 Topographical Map (2004)

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Grouse Reserve Vegetation Management Plan by Kathleen Day

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