



PORTLAND PARKS & RECREATION

Healthy Parks, Healthy Portland



**South Waterfront Greenway Development Plan
Design Component - Phase I**

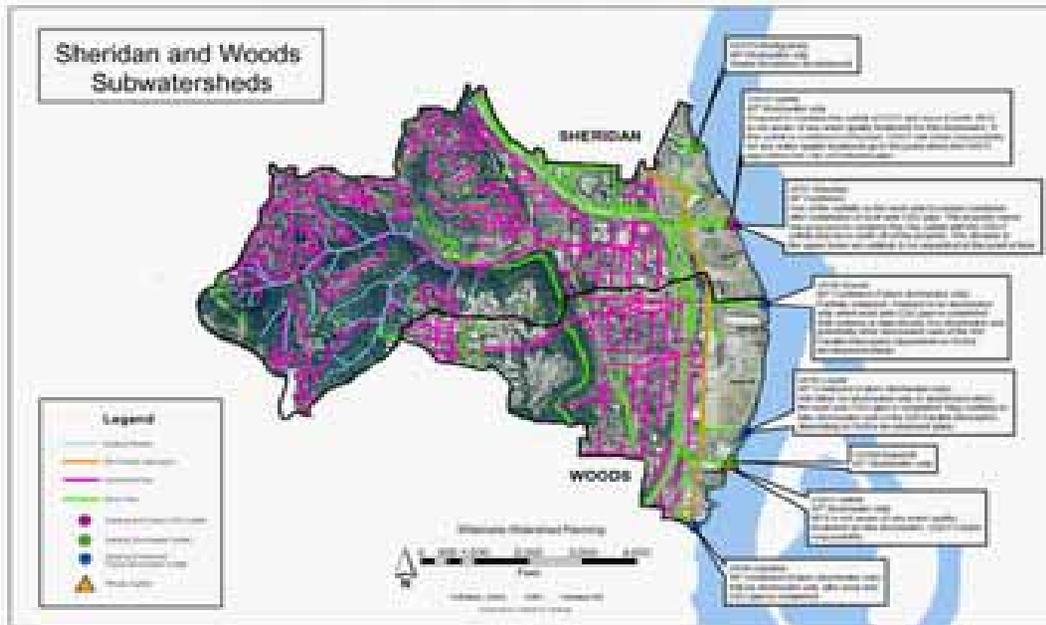
Walker Macy | Thomas Balsley Associates

December 2004

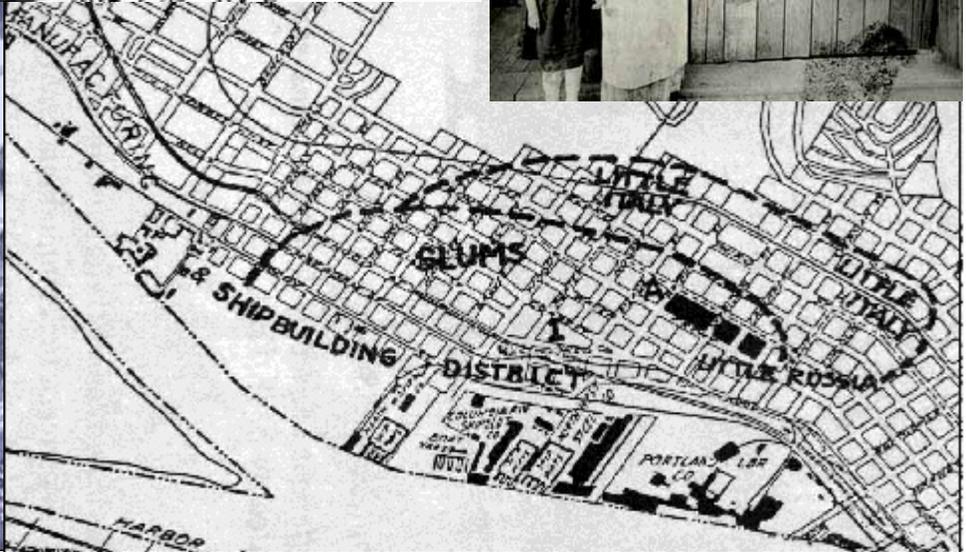
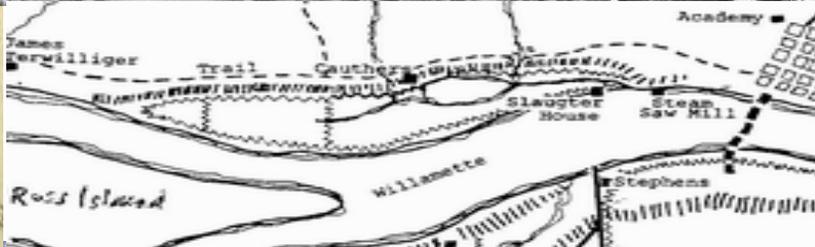
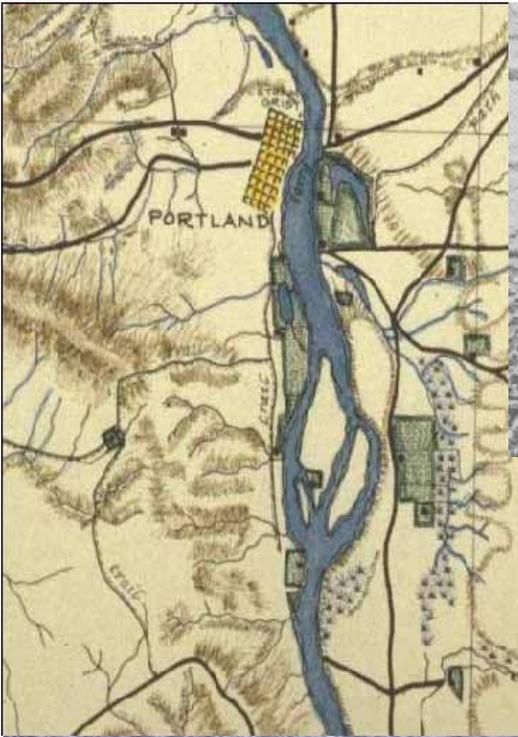
Introduction

The **South Waterfront Greenway** is located within the 135 acre South Waterfront Plan Area, outlined in the photograph to the right. The physical location of the Greenway is considered within the larger environmental context of the "Ross Island Reach" of the Willamette which currently consists of at least 17 areas that have been identified as having some level of wildlife habitat restoration or enhancement, including Oaks Bottom. Portland's effort to plan for an environmentally sustainable future, this document contains goals for river-related development in which environmental, economic and social health are in harmony. As a newly redeveloping sub-district of the Central City, South Waterfront is an opportunity to deliver on all these fronts. The City sees this project as an opportunity to showcase a new approach to developing within the Greenway overlay zone.

This approach should encourage innovation, flexibility, public/private partnerships and design excellence. A collaborative partnership of citizens, neighbors, businesses, community organizations, property owners, city bureaus, and governments will help ensure that the resulting plan is can be implemented and has the public support.



Environmental Context



1912

1915 - 1950

History



1939

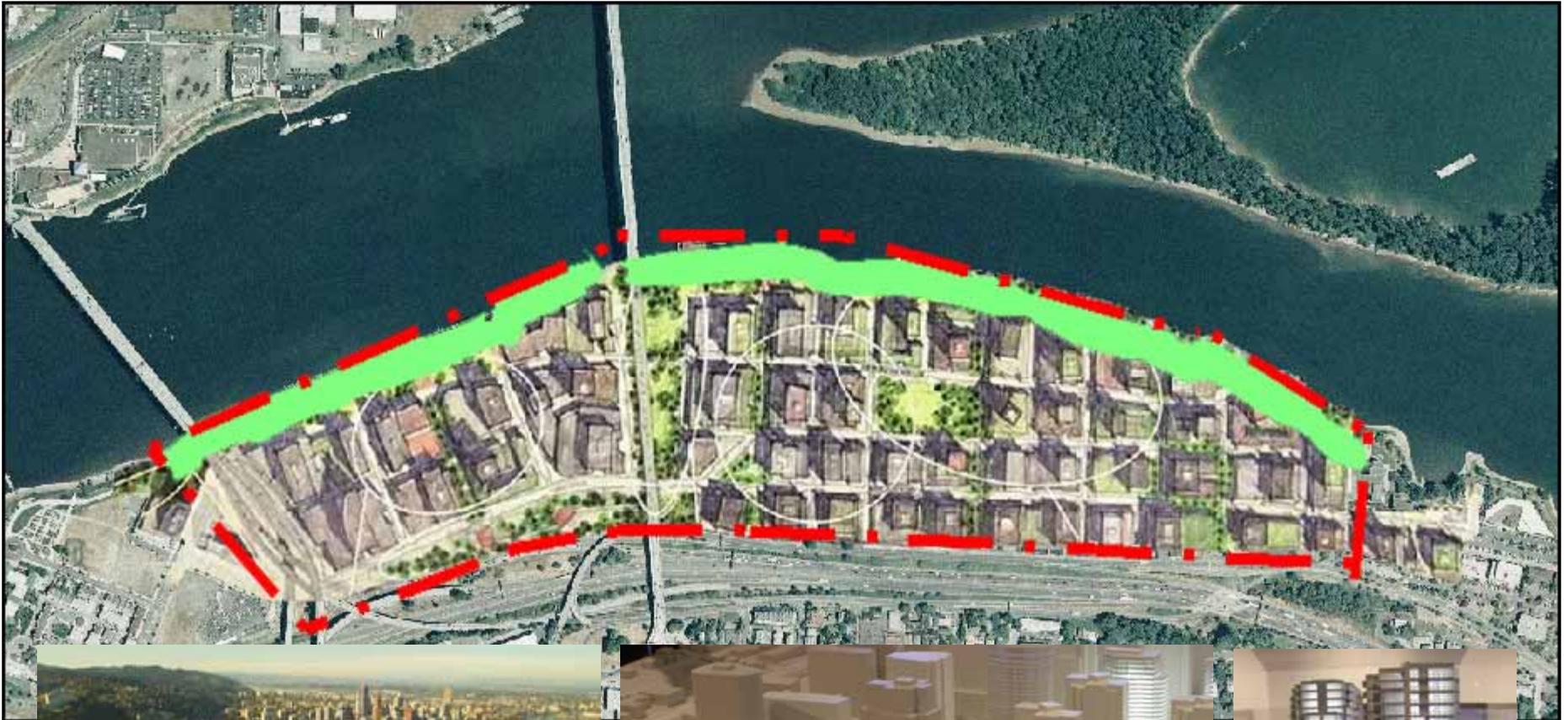


1966

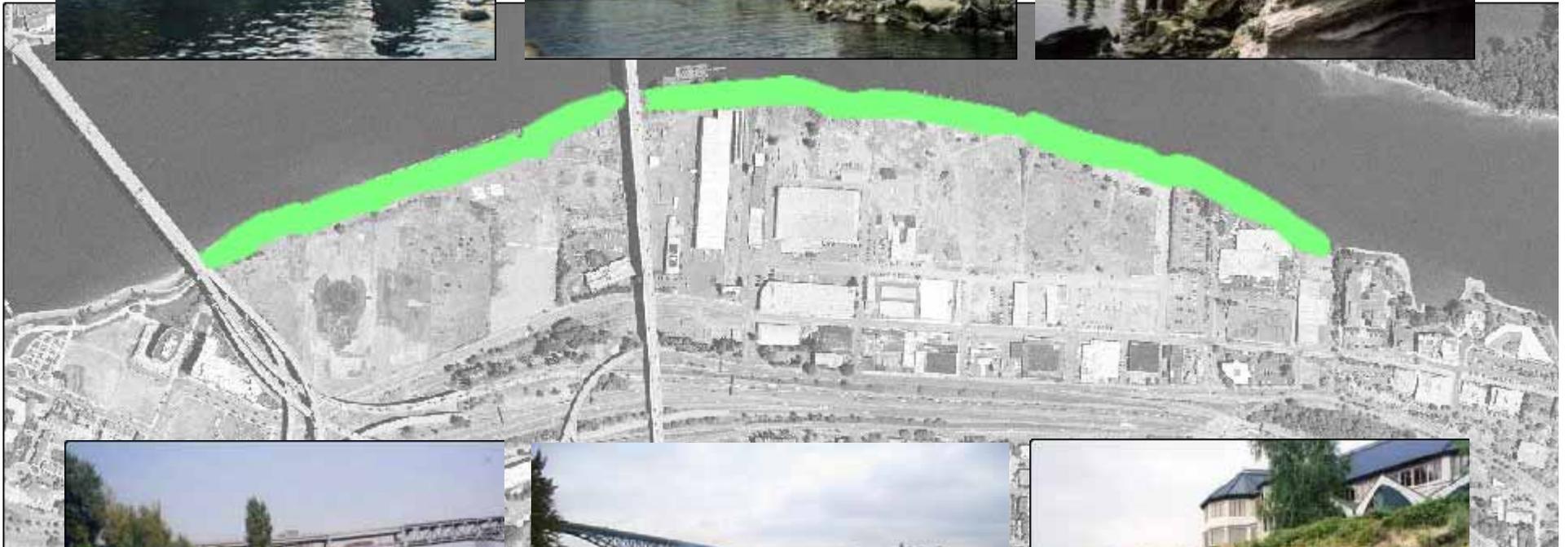


1970

History



South Waterfront Greenway



Existing Conditions

River Renaissance Objectives

- Ensure a clean and healthy river for fish, wildlife and people
- Maintain and enhance a prosperous working harbor
- Embrace the river as Portland's front yard
- Create vibrant waterfront districts and neighborhoods
- Promote partnerships, leadership and education

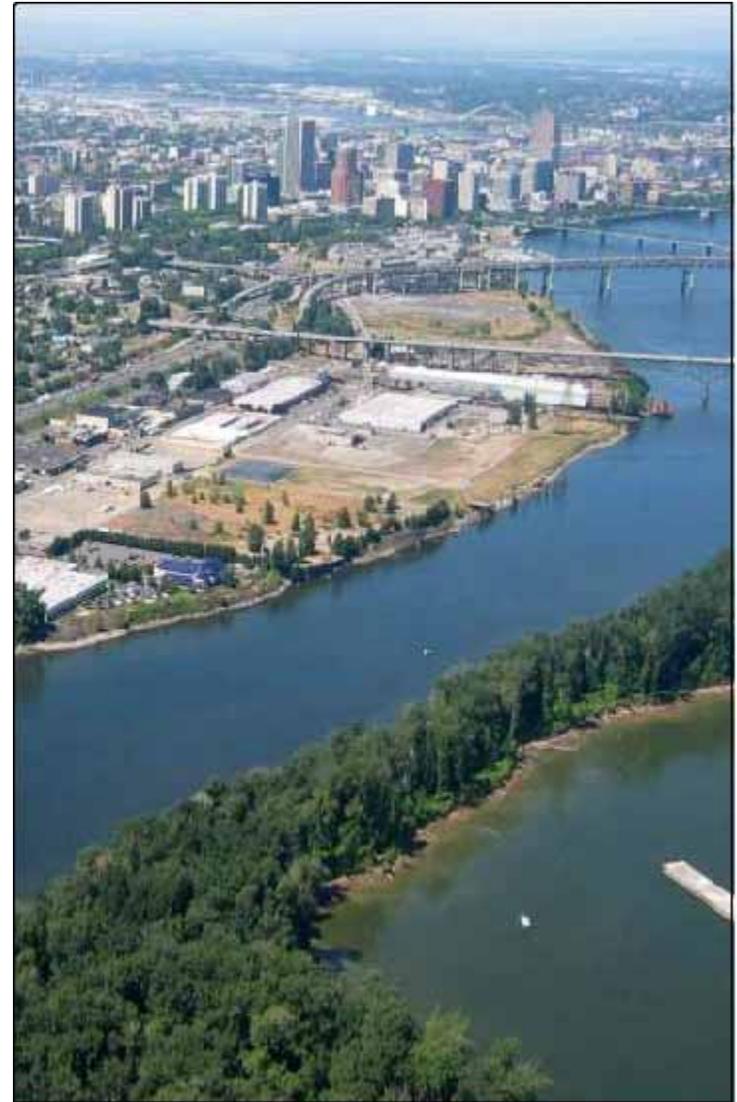


South Waterfront Greenway

Greenway Goals

City Council, March 2003

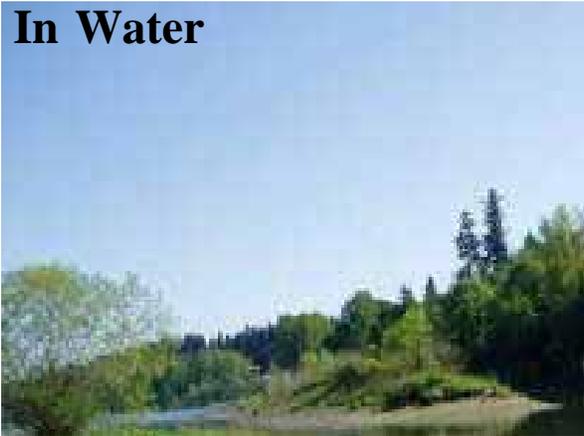
- Ensure a clean and healthy river for fish, wildlife and people
- Enhance livability
- Provide a harmonious relationship between people and the natural functions of the river
- Restore the river's fish and wildlife habitat
- Enliven and beautify the district
- Provide sustaining quality, beauty and safety



South Waterfront Greenway



In Water



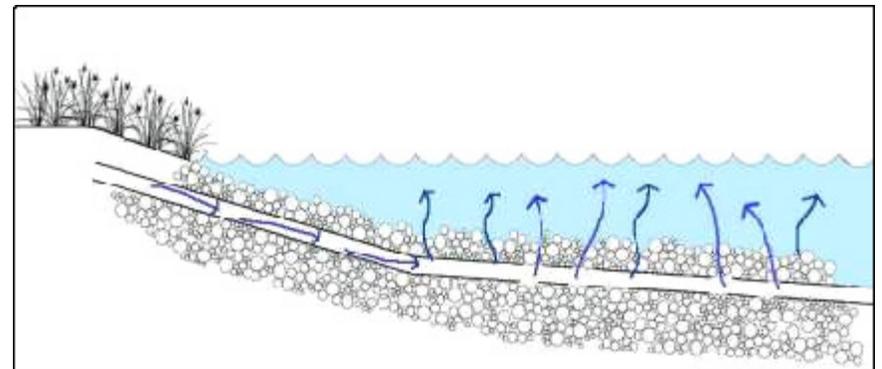
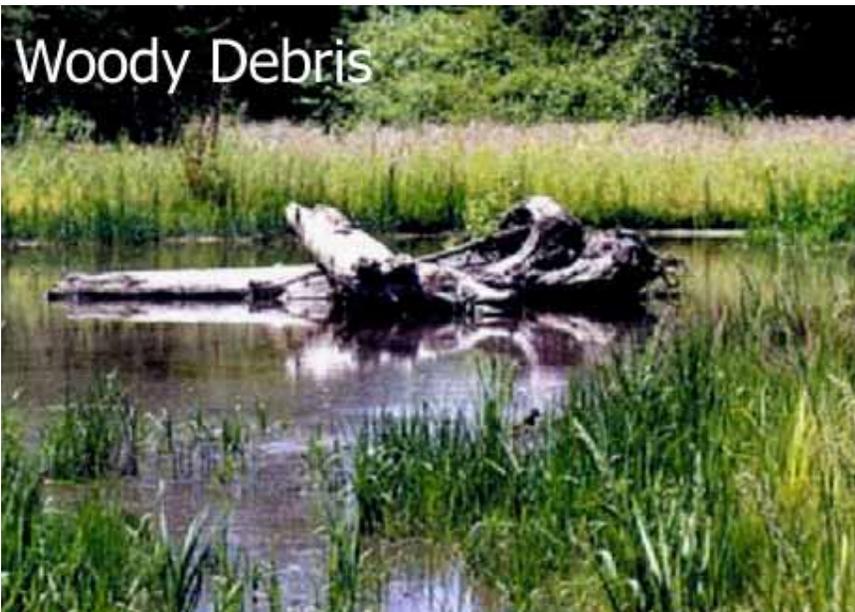
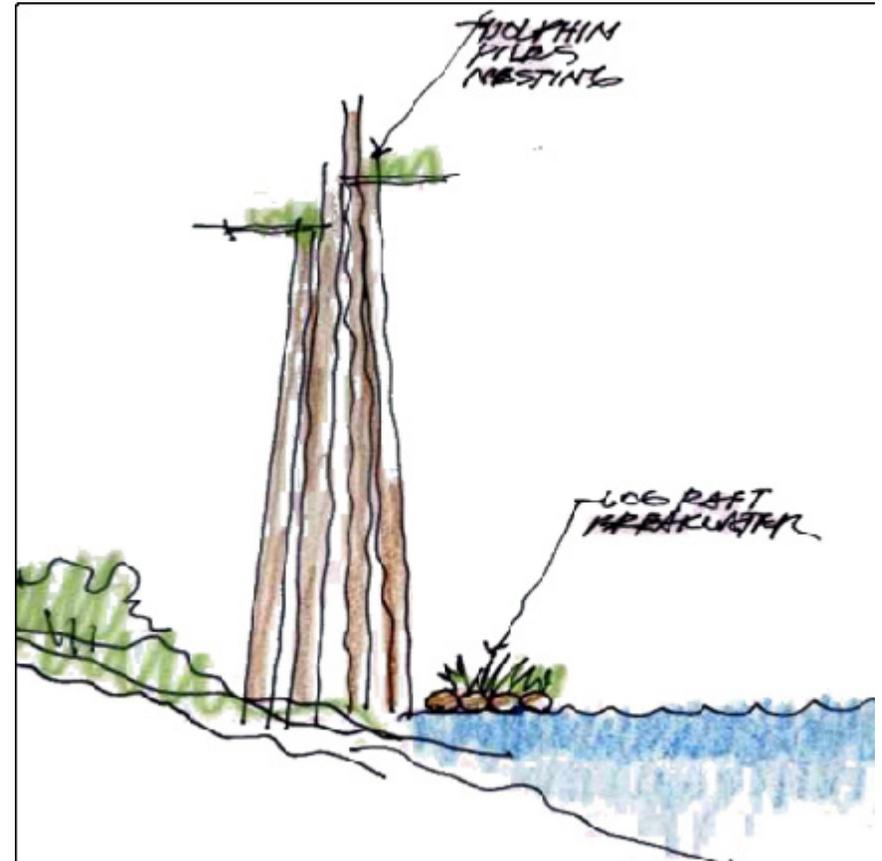
Riverbank



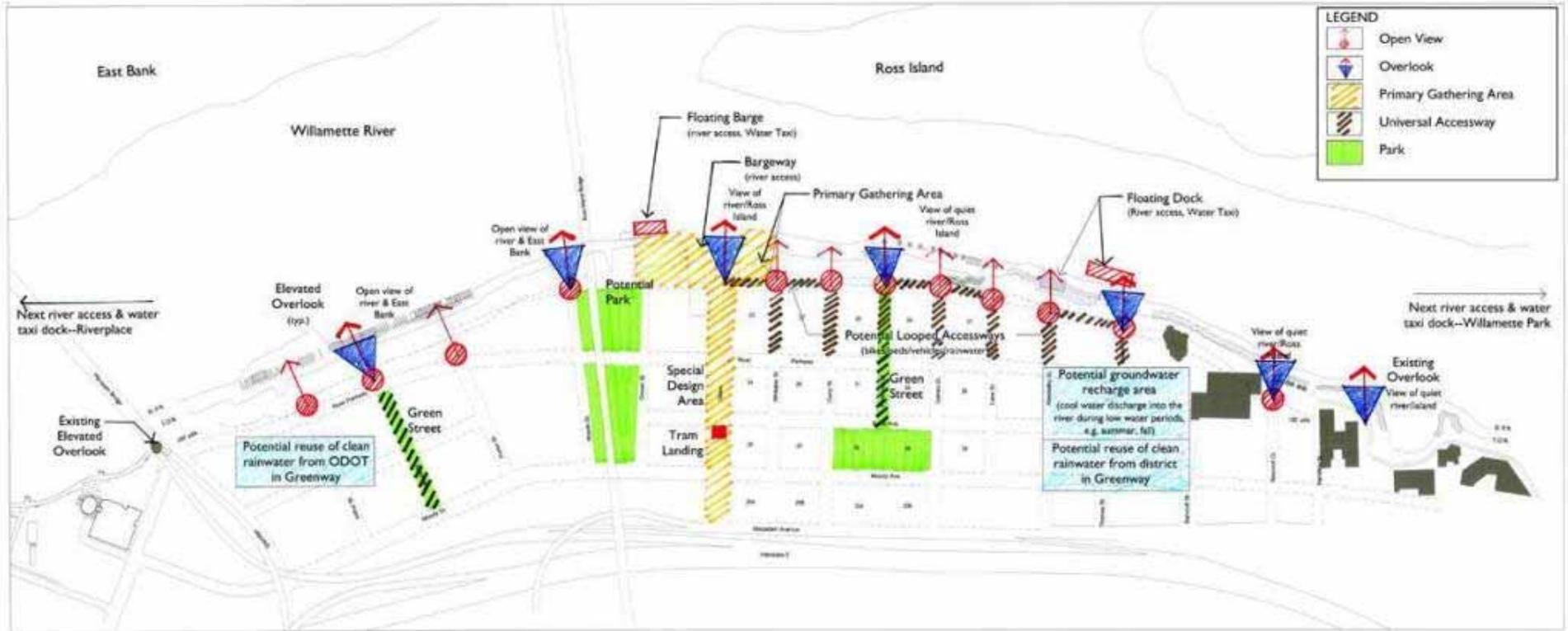
Upland



Habitat Opportunities



Habitat Opportunities



Urban Opportunities



Sawmills



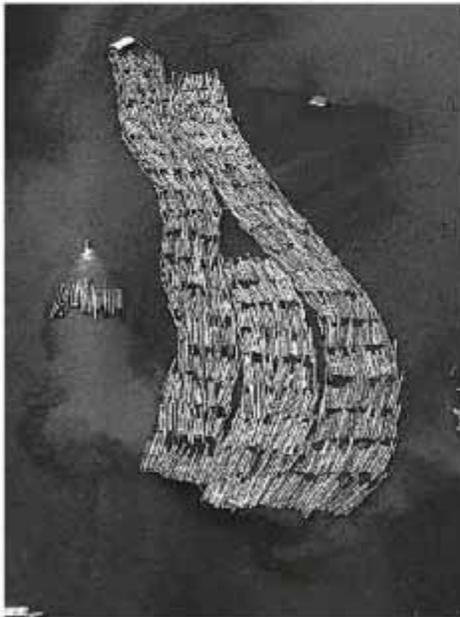
Liberty Ships



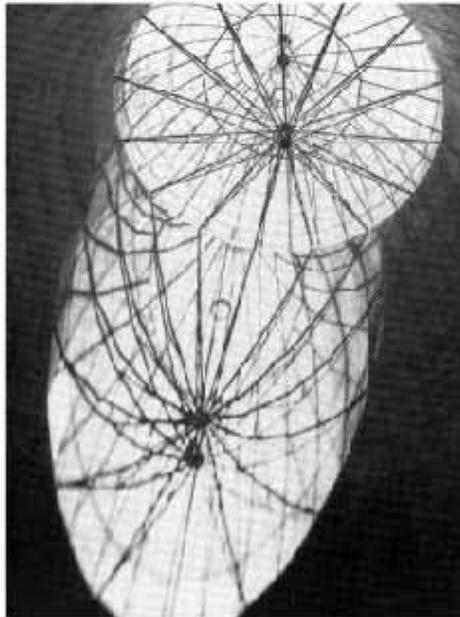
Shipyards



Liberty Ships



Log Raft



Wood Burner



Log Raft

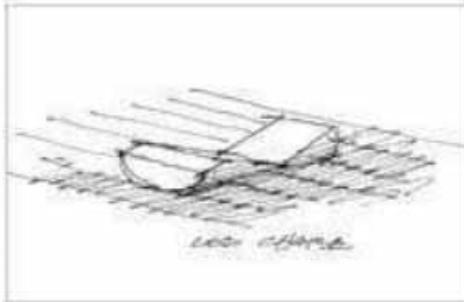
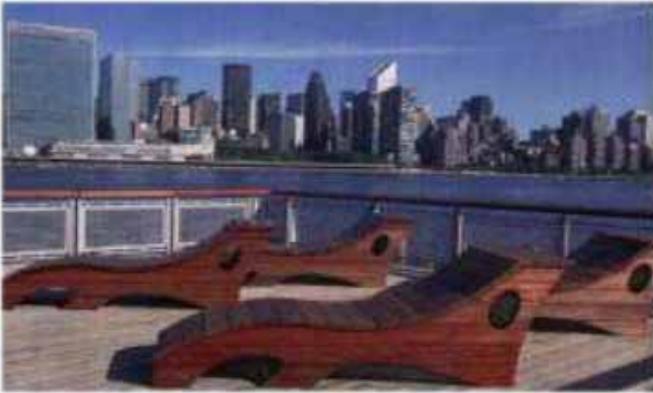


Ship Hulls

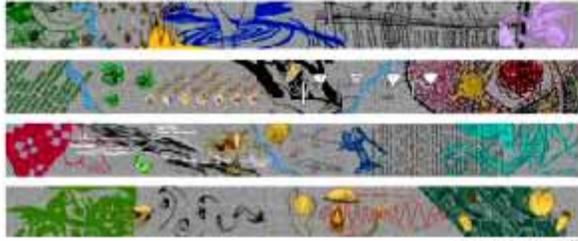


Wood Burner

Precedent Images



Precedent Images



Greenway Stroll



Biotech Plantations



Art & Habitat



ripRap Artifact



Daylighting the Watercourses



Industrial Infrastructure



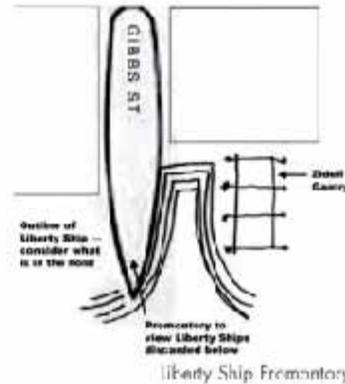
Roof Watercatch



Public Realm Making Process



Scrapyards of Transformative Potential



Public Art Plan

MANAGEMENT OBJECTIVES

Greenway Implementation Funding the construction, operations, and maintenance of the South Waterfront greenway creates challenges and opportunities. The city, property owners, environmental advocates and other stakeholders will need to work together to achieve the aspiration of a first class greenway that benefits the district, the city, and the region as well as fish and wildlife. A greenway design coordination plan is the preferred tool to provide consistent design quality and flexibility. For example, viewpoint, river access or focal points (such as public art or water features) can be planned with the whole South Waterfront greenway in mind based on site characteristics and opportunities, rather than by ownership patterns. In addition, the plan can provide certainty over time for property owners, as well as efficient and coordinated permitting. The GDP will become one of several Zoning Code options for property owners to follow.

Operations and Maintenance A critical goal of the project is to assure that the final design can be affordably operated and maintained. The Greenway Development Plan process needs to examine alternative ways to apportion and fund these ongoing costs and a preferred approach should be presented to City Council along with the final plan. The recommendation needs to consider the equitable balance of public and private benefit and possible sources of funds.

Security & Maintenance The greenway can be an asset or a liability. If the greenway is easy to secure and maintain, it will be an asset to the South Waterfront District.

Partnerships A collaborative partnership of citizens, neighbors, businesses, community organizations, property owners, city bureaus, and governments will help ensure that the resulting plan is implementable and has the necessary support.



South Waterfront Greenway



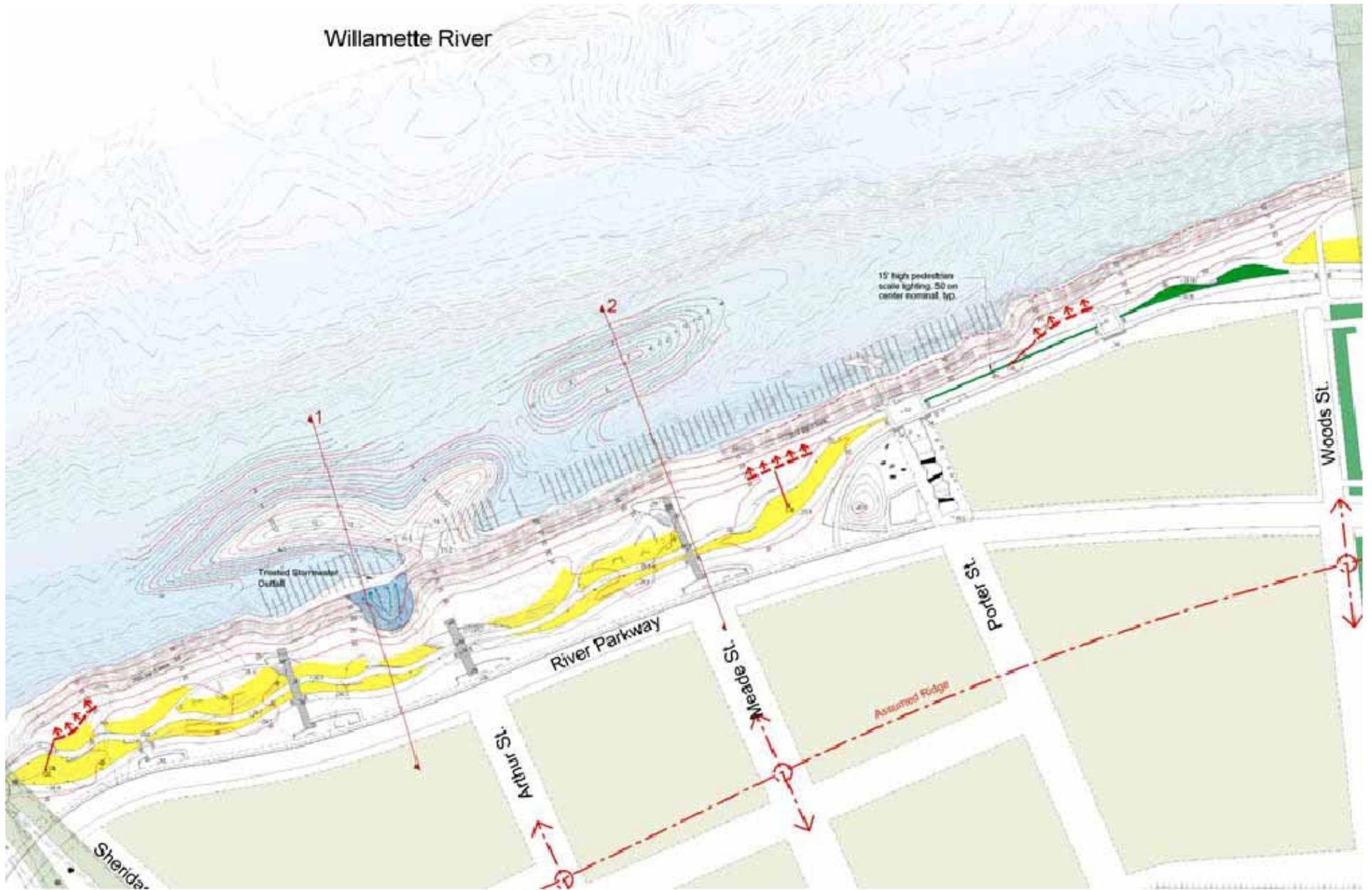
North

Central

South

The large scale and features complexity of the Greenway Plan necessitated the need to deconstruct the various components into 3 "districts" and 3 levels of information. The 3 districts, as illustrated above, reflect the realms of the Greenway design, North Habitat, Urban/Habitat and South Habitat. The 3 layers of information on each district is presented in the following pages. These are; Site Plan, Vegetation Plan and Infrastructure. The Site Plan sheets also contain related Site Plan Sections as noted on each drawing. Also included in the Plan are two large-scale plans that illustrate the SW Porter Street Terrace and the Gibbs Street Plaza. A number of pages also contain representative photographs of the plant material community types and sketch images of the types of spaces and places that the public will encounter along the trail system, one dedicated trail for pedestrians and one trail for wheel vehicles.

South Waterfront Greenway Key Plan



North Infrastructure Plan

Willamette River



Gravel Bars / Shallow Water



Tributary Riparian



Oak / Madrone



Fir / Maple (Dense)

North Vegetation Plan



North Site Plan



North Site Plan



Typical Interpretive Station and Bench



Gravel Bars/Shallow Water



Tributary Riparian



Central Infrastructure Plan



Central Vegetation Plan



Central Site Plan



Central Site Plan



Section 5

Central Site Plan



Section 6

Central Site Plan



Section 7

Central Site Plan



Central District Design Development



Terrace Lawn Shelves



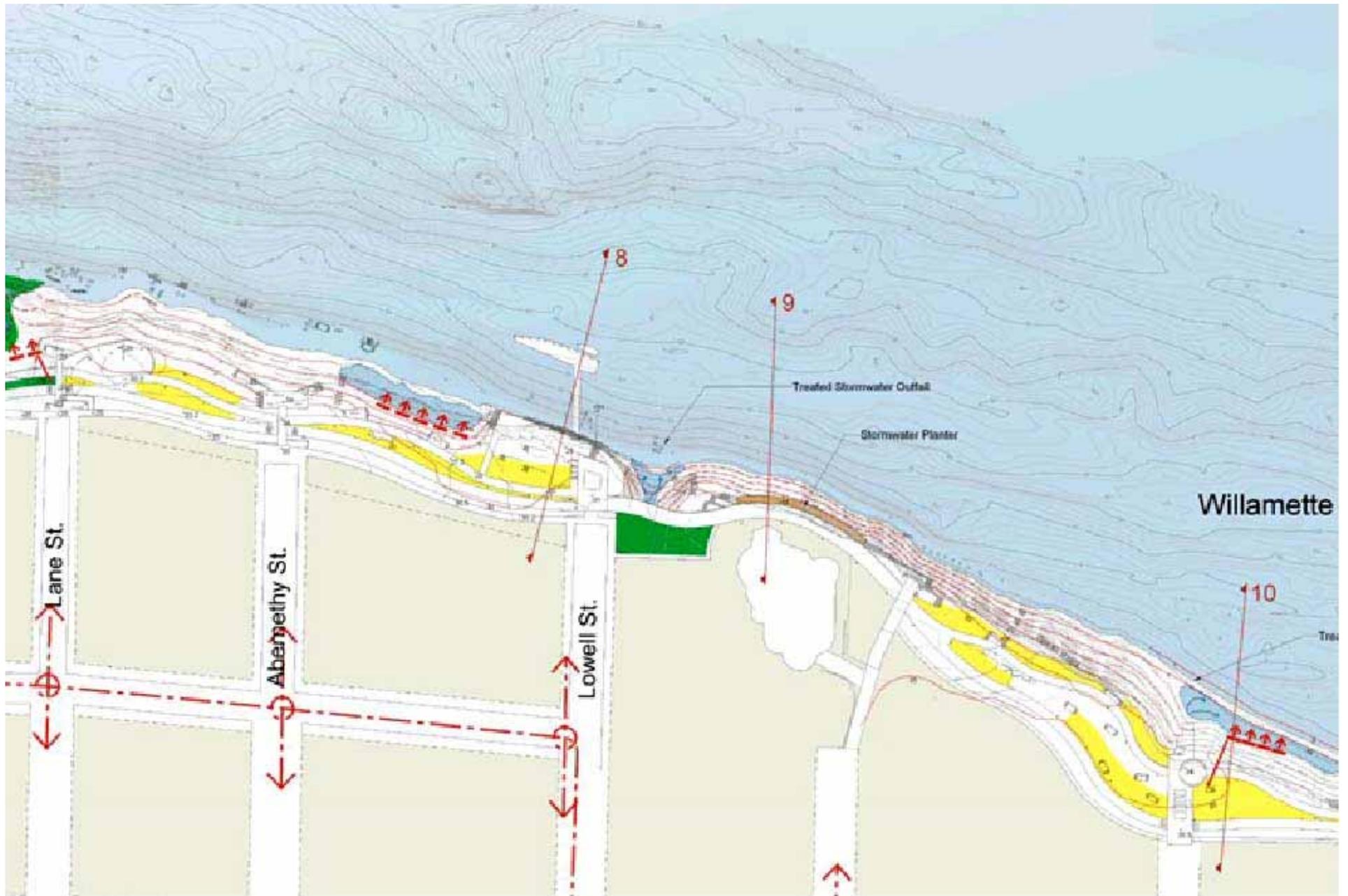
Interpretive Overlook



Ash/Willow



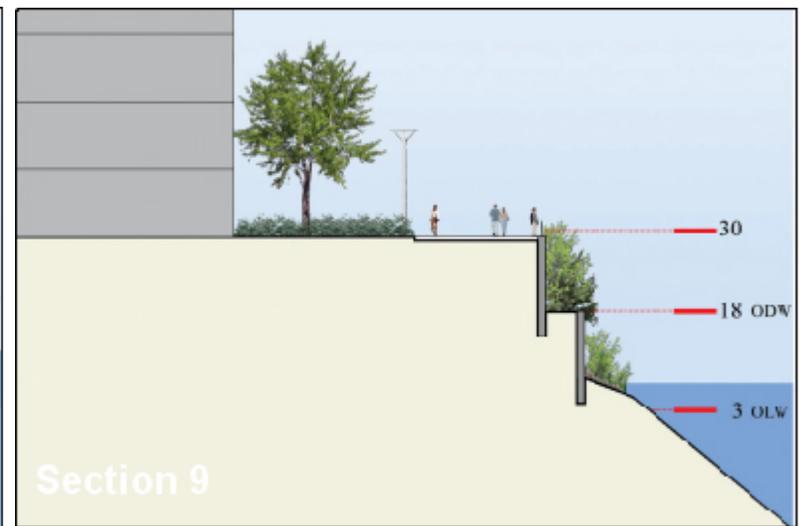
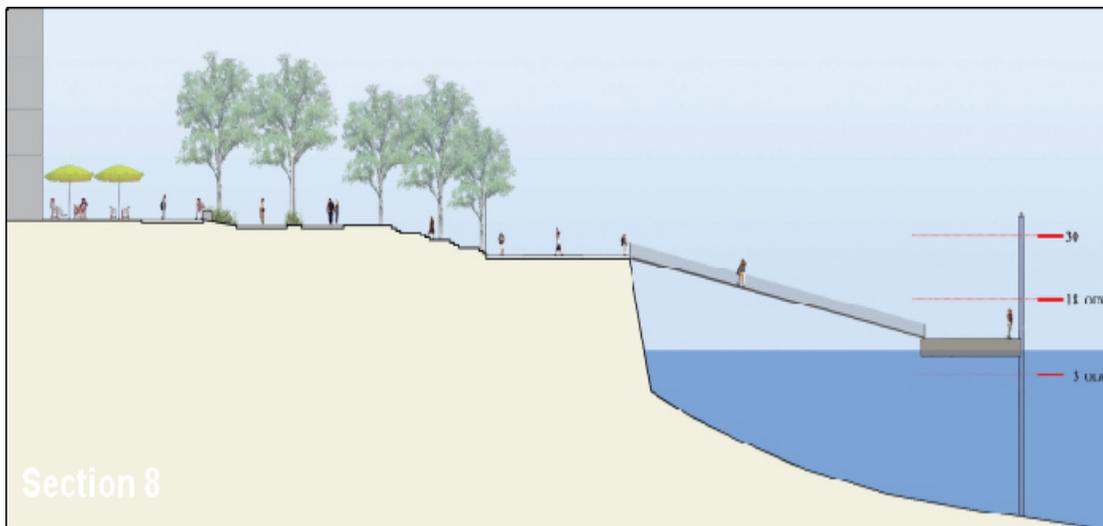
Fir/Maple



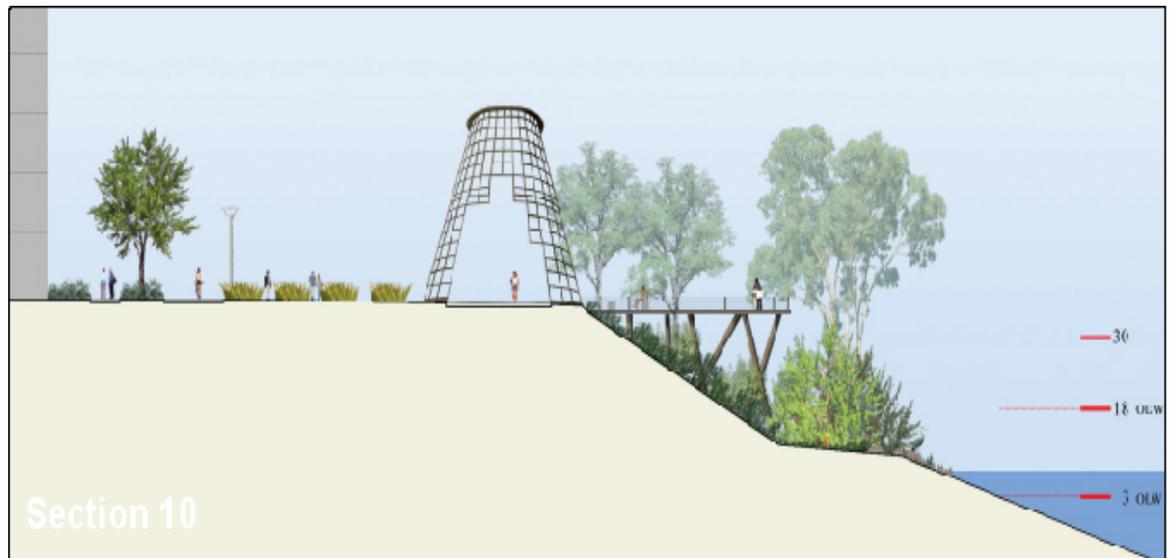
South Infrastructure Plan



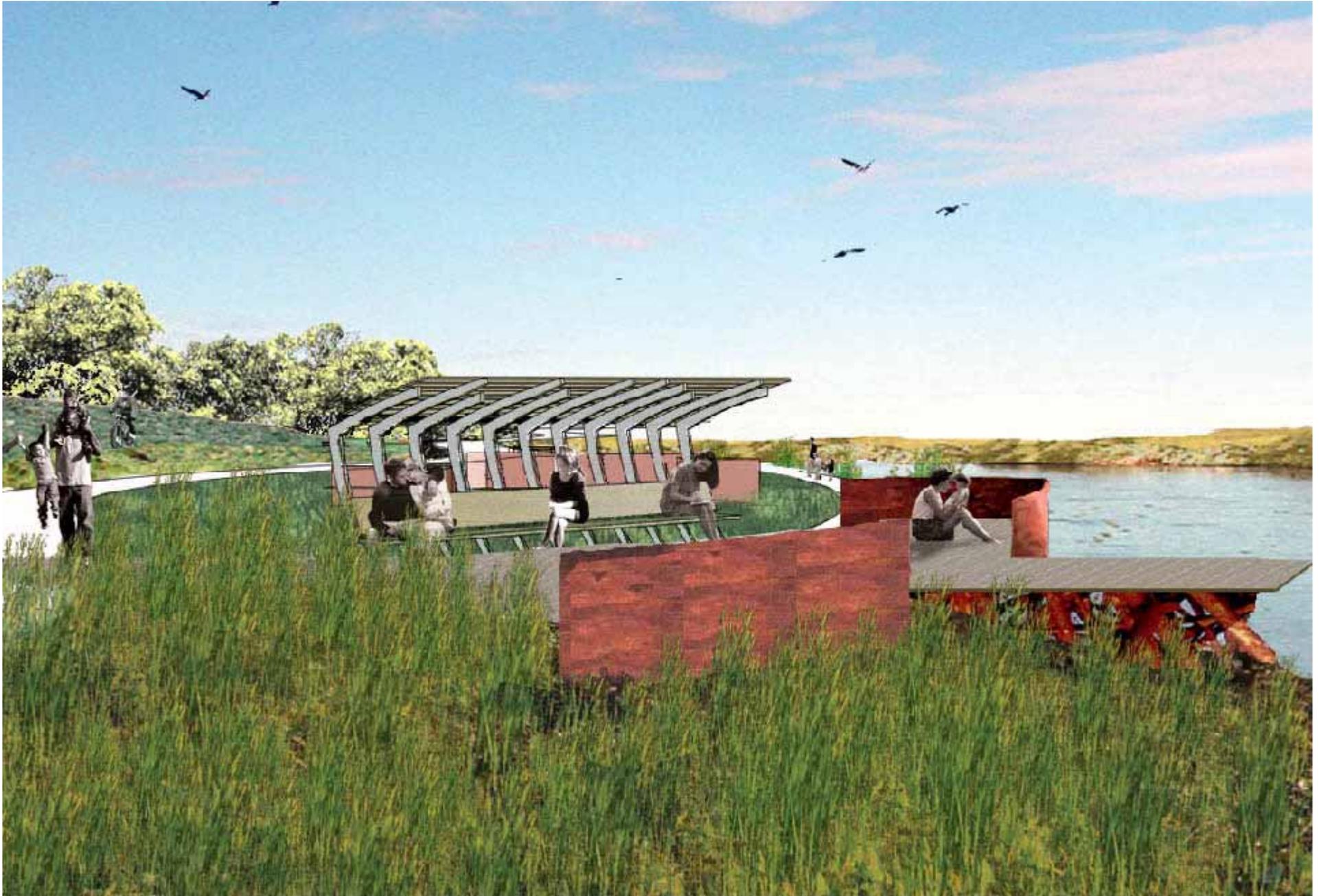
South Vegetation Plan



South Site Plan



South Site Plan



Scrap Industry Interpretive Terrace



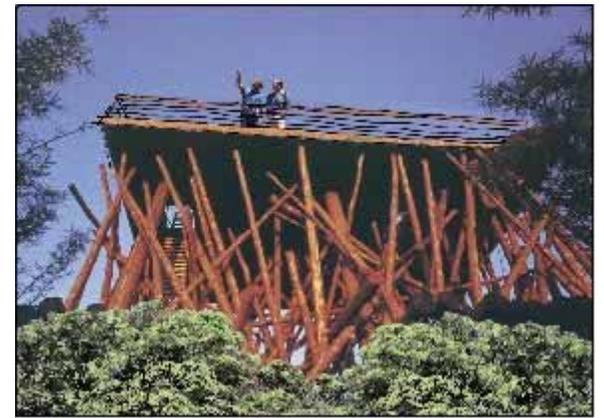
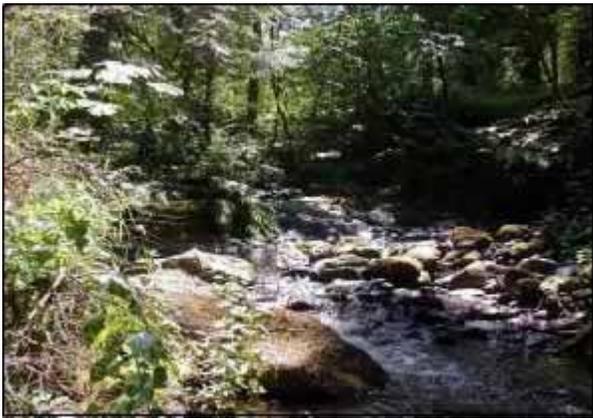
Wigwam Burner Interpretive 'Folly'



Oak/Madrone



Oregon Ash/Willow



South Waterfront Greenway





S o u t h W a t e r f r o n t G r e e n w a y