

COMPREHENSIVE PLAN: ENVIRONMENT & WATERSHED HEALTH (CHAP 7)

May 9, 2023

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Agenda

- Statewide Planning Goals
- Comprehensive Plan Chapter 7: Environment and Watershed Health
- Natural Resource Inventory
- Environmental Projects
 - Ezones
 - River Planning
 - Floodplains





Statewide Planning Goals



Statewide Planning Goals

Goal 5, Open Spaces, Scenic and Historic Areas and Natural Resources

Goal 15, Willamette River Greenway

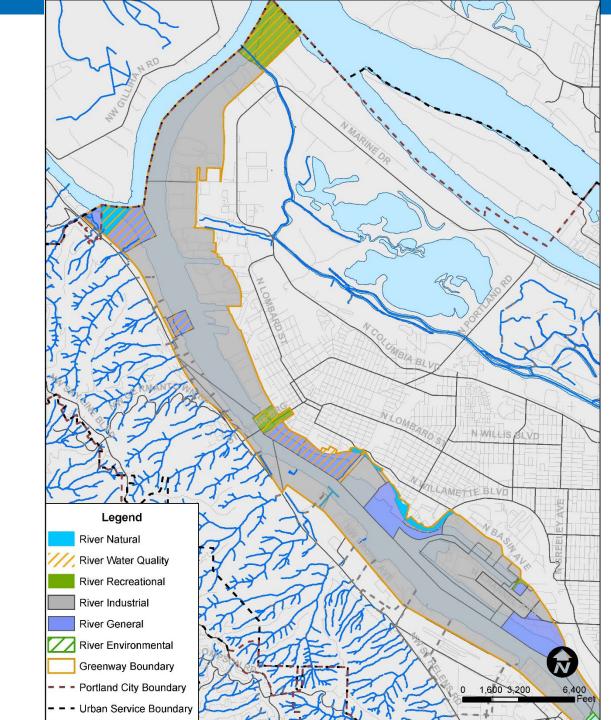
Goal 7, Areas Subject to Natural Hazards



Goal 15, Willamette River Greenway

To protect, conserve, enhance and maintain the natural, scenic, historical, agricultural, economic and recreational qualities of lands along the Willamette River as the Willamette River Greenway.

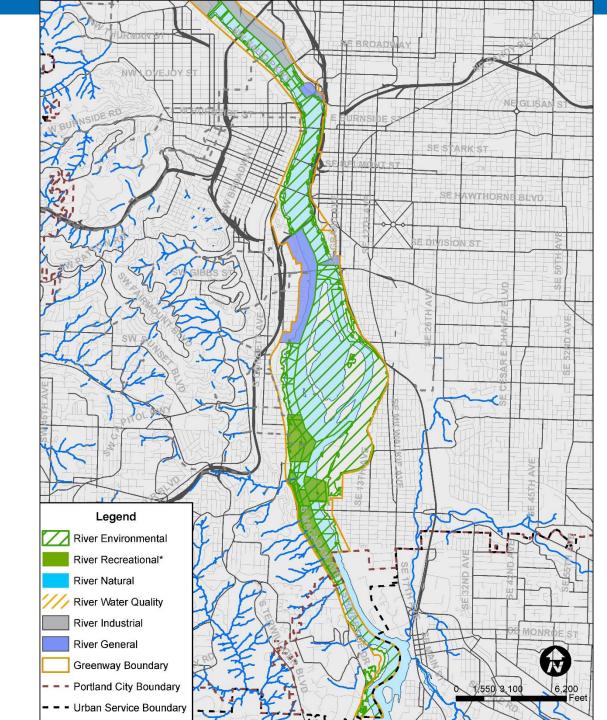




Goal 15, Willamette River Greenway

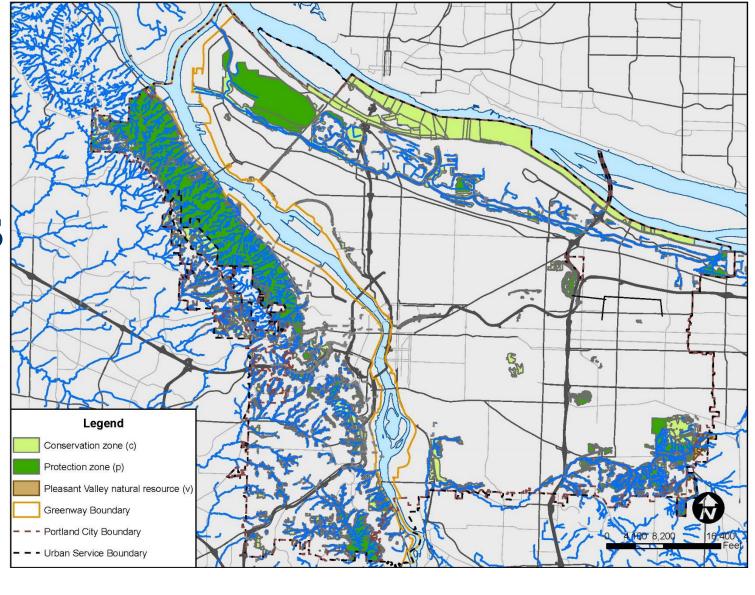
To protect, conserve, enhance and maintain the natural, scenic, historical, agricultural, economic and recreational qualities of lands along the Willamette River as the Willamette River Greenway.





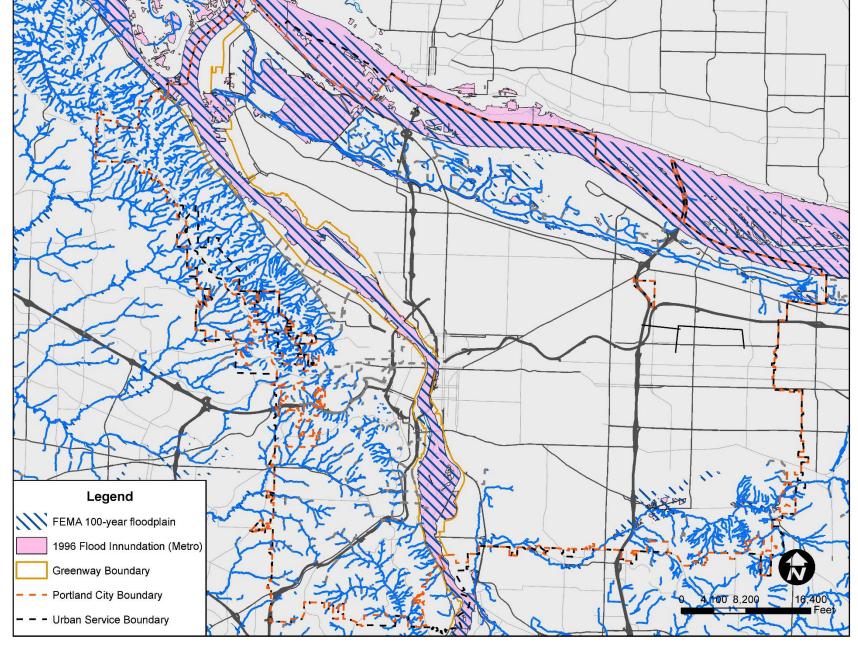
Goal 5, Open Spaces, Scenic & Historic Areas & Natural Resources

To protect natural resources and conserve scenic and historic areas and open spaces.



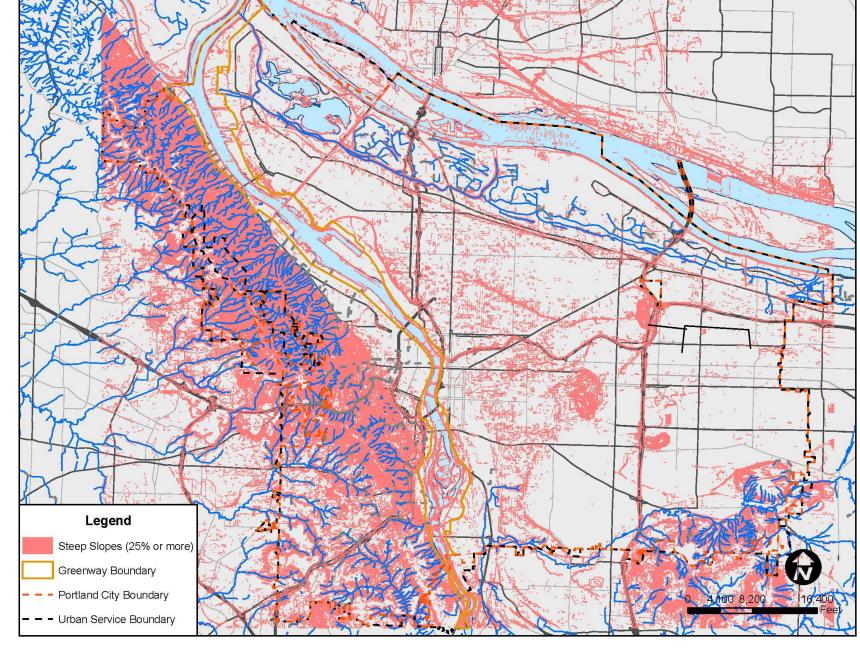


To protect people and property from natural hazards.



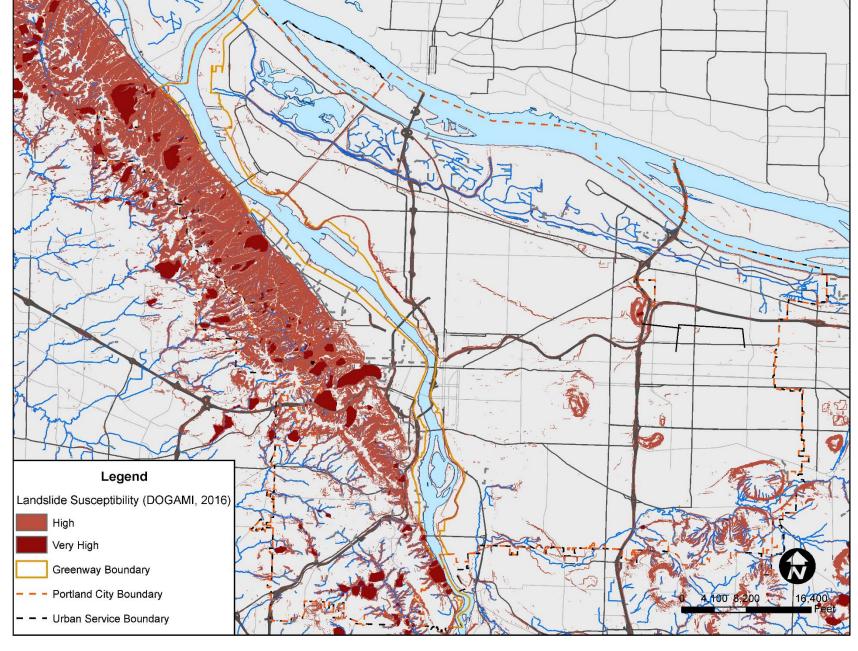


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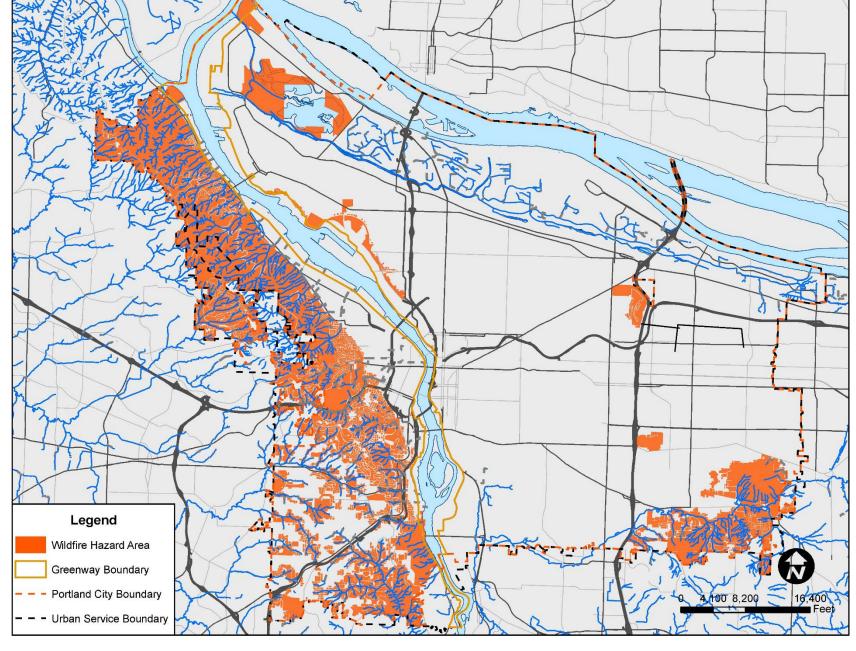


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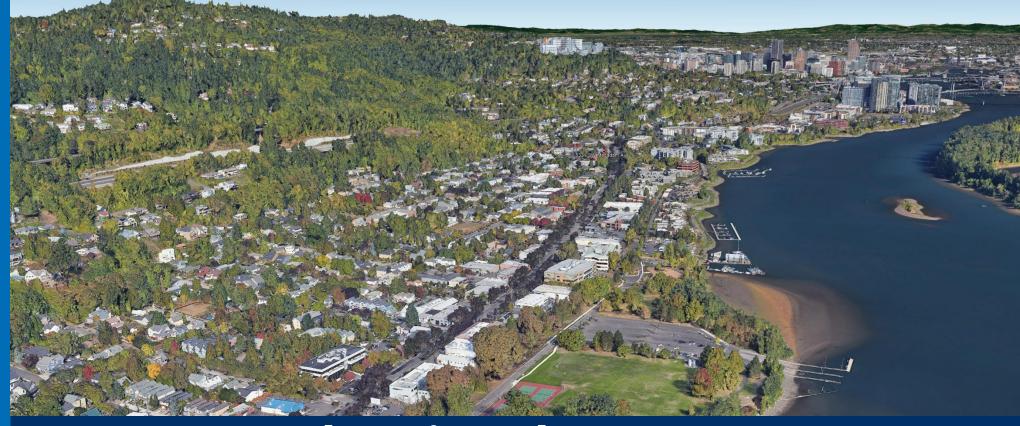




To protect people and property from natural hazards.







2035 Comprehensive Plan Environment and Watershed Health Goals and Policies



The **Comprehensive Plan**

Adopted with the Portland Comprehensive Plan

Comprehensive Plan Elements

- Vision and Guiding Principles
- Goals and Policies
- Comprehensive Plan Map
- · List of Significant Projects
- Transportation Policies, Street Classifications and Street Plans

Key Implementing Tools

- Zoning Code
- Zoning Map
- Service Coordination Agreements
- Urban Renewal Plans
- Annexations
- Development Agreements

Supporting Documents

Inventories and Analyses

- Buildable Lands Inventory
- Employment Opportunity Analysis
- Housing Needs Analysis
- Natural Resource Inventory

School Facility Plans

Public Facilities Plan

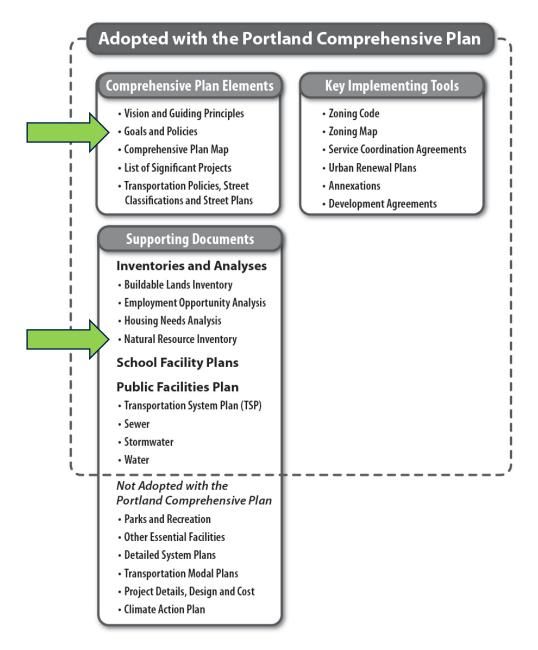
- Transportation System Plan (TSP)
- Sewer
- Stormwater
- Water

Not Adopted with the Portland Comprehensive Plan

- · Parks and Recreation
- Other Essential Facilities
- Detailed System Plans
- Transportation Modal Plans
- Project Details, Design and Cost
- Climate Action Plan



The **Comprehensive Plan**





The **Comprehensive Plan**

Contents

Introduction

Vision and Guiding Principles

- Economic Prosperity
- Human Health
- Environmental health
- Equity
- Resilience

Infrastructure

- How to Use the Plan
- Goals and Policies
 - Chapter 1: The Plan
 - **Chapter 2: Community Involvement**
 - Chapter 3: Urban Form
 - Chapter 4: Design and Development
 - Chapter 5: Housing
 - Chapter 6: Economic Development
 - Chapter 7: Environment and Watershed Health
 - Chapter 8: Public Facilities and Services
 - Chapter 9: Transportation
 - Chapter 10: Land Use Designations and Zoning
- List of Significant Projects
- Comprehensive Plan Map
- Glossary





Environment & Watershed Health Goals

Goal 7.A: Climate

Carbon emissions are reduced to 50 percent below 1990 levels by 2035.

Goal 7.B: Healthy watersheds and environment

Ecosystem services and ecosystem functions are maintained and watershed conditions have improved over time, supporting public health and safety, environmental quality, fish and wildlife, cultural values, economic prosperity, and the intrinsic value of nature.





Environment & Watershed Health Goals

Goal 7.C: Resilience

Portland's built and natural environments function in complementary ways and are resilient in the face of climate change and natural hazards.

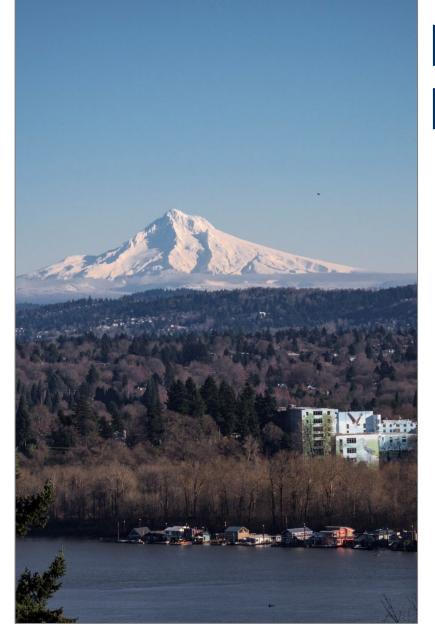
Goal 7.D: Environmental Equity

All Portlanders have access to clean air and water, can experience nature in their daily lives, and benefit from development designed to lessen the impacts of natural hazards and environmental contamination.

Goal 7.E: Community Stewardship

Portlanders actively participate in efforts to maintain and improve the environment, including watershed health.

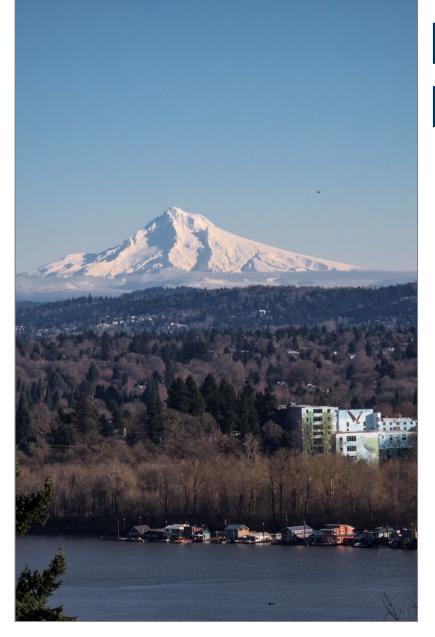




Environment & Watershed Health Policies

Overarching Policy Groupings

- Improving environmental quality and resilience
- Planning for natural resource protection
- Protecting natural resources in development situations

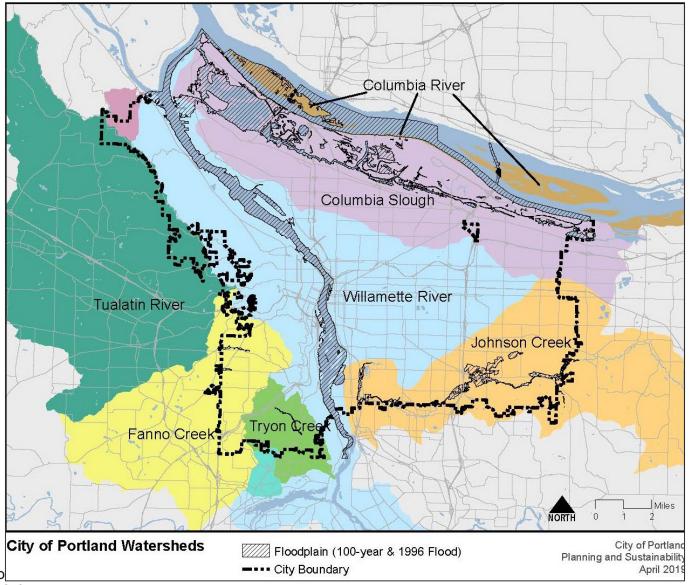


Environment & Watershed Health Policies

Watershed-specific Policies

- Columbia River
- Willamette River
- Columbia Slough
- Johnson Creek
- Fanno and Tryon creeks

Portland's Watersheds





Natural Resource Inventory



Natural Resource Inventory (NRI)

- **Explains** the methods that are used to map natural resources for planning and zoning purposes.
- **Digital inventory** of streams, wetlands, vegetation, and steep slopes.
- Adopted as part of the factual basis of the Comprehensive Plan.
- Adopted in 2012





RIPARIAN CORRIDORS AND WILDLIFE HABITAT | CITY OF PORTLAND, OREGON



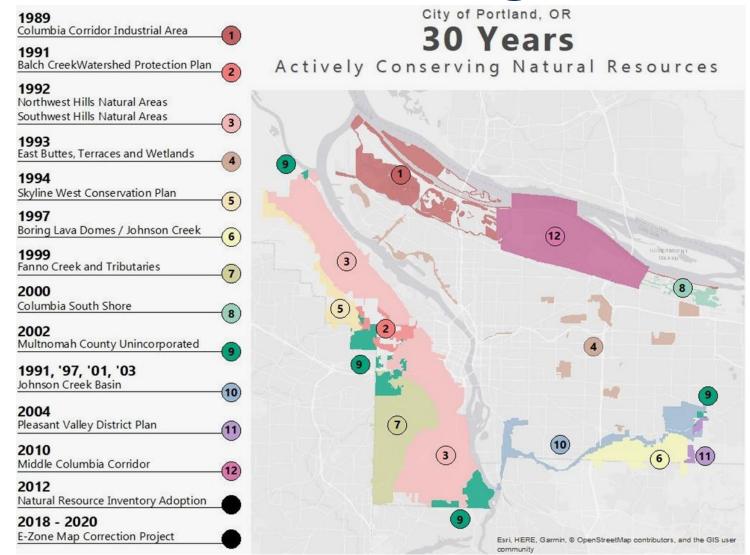
PROJECT REPORT ADOPTED BY CITY COUNCIL, OCTOBER 3, 2012 ORDINANCE NO. 185657

AMENDED BY CITY COUNCIL MAY 25, 2027 EFFECTIVE OCTOBER 1, 2027 ORDINANCE NO. 19083





Past Resource Management Efforts



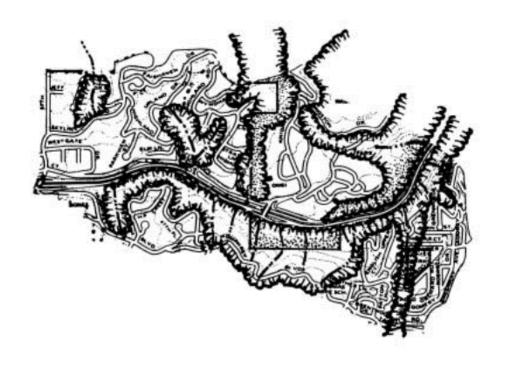


Types of Environmental Overlay Zones

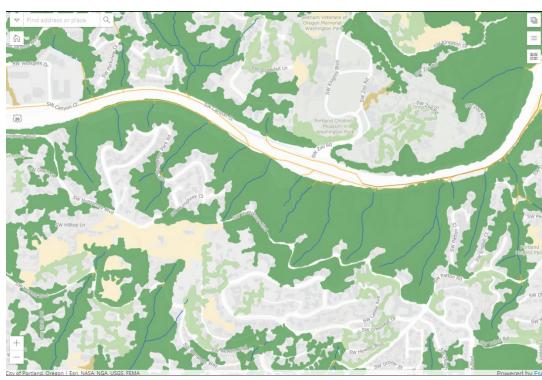
- Conservation Overlay Zone (c)
- Protection Overlay Zone (p)
- Pleasant Valley Overlay Zone (v)
- Scenic Resources Overlay Zone (s)
- River Environmental Overlay Zone (e)

NRI

Comparison of Old and New Natural Resource Mapping



Southwest Hills Resource Protection Plan 1994



NRI 2022



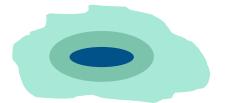
Natural Resource **Protection Process**

1. Define Resource Sites

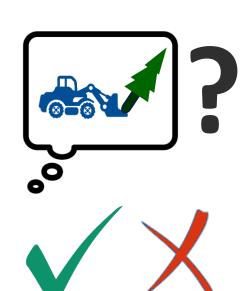
2. Inventory Natural Resources



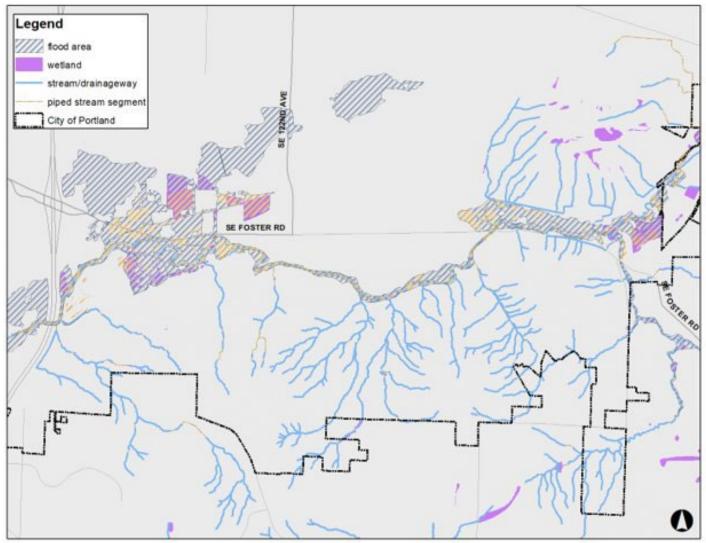
3. Determine Significance

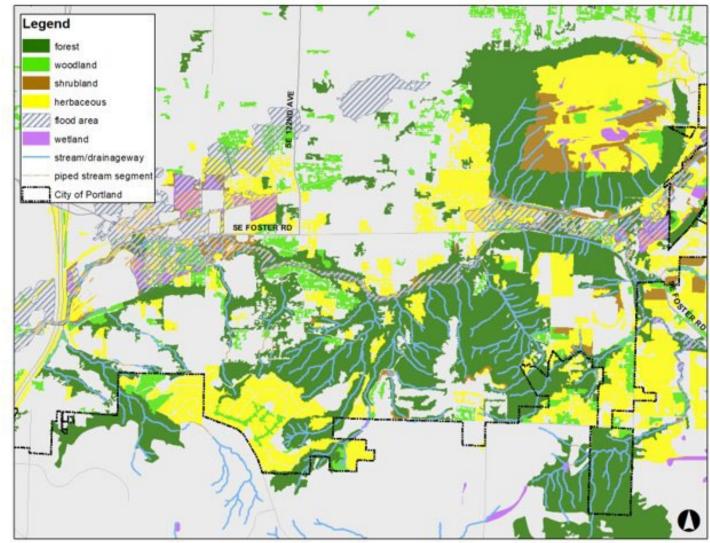


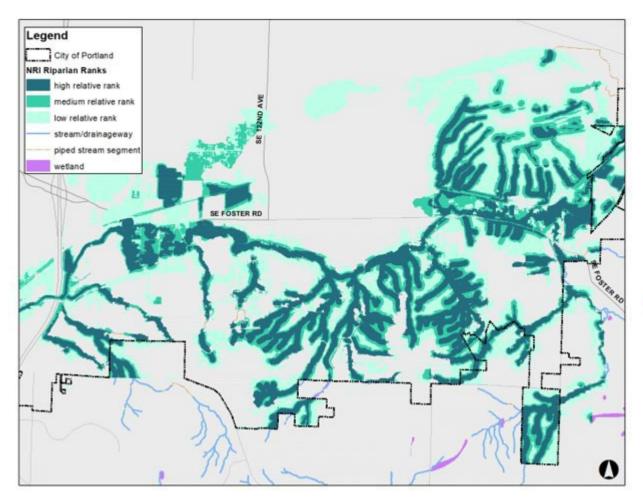
4. Economic, Social, **Environmental, and Energy** (ESEE) Analysis

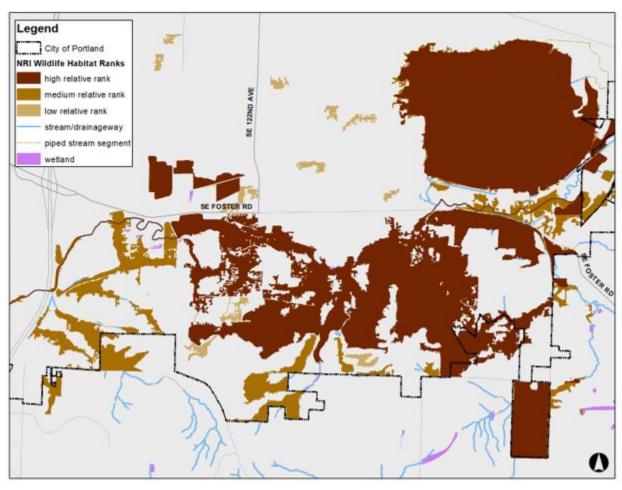


5. Protection Decision









Relative Riparian Resource Values

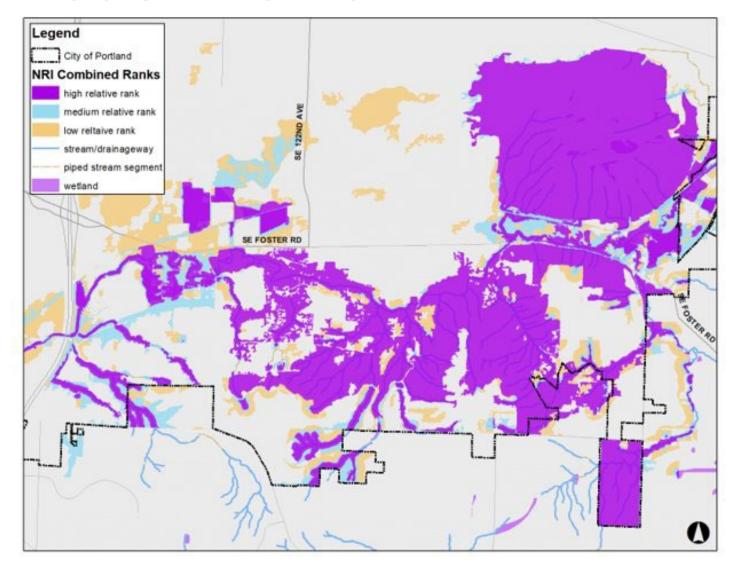
Wildlife Habitat Resource Values



Combined Resource Rankings

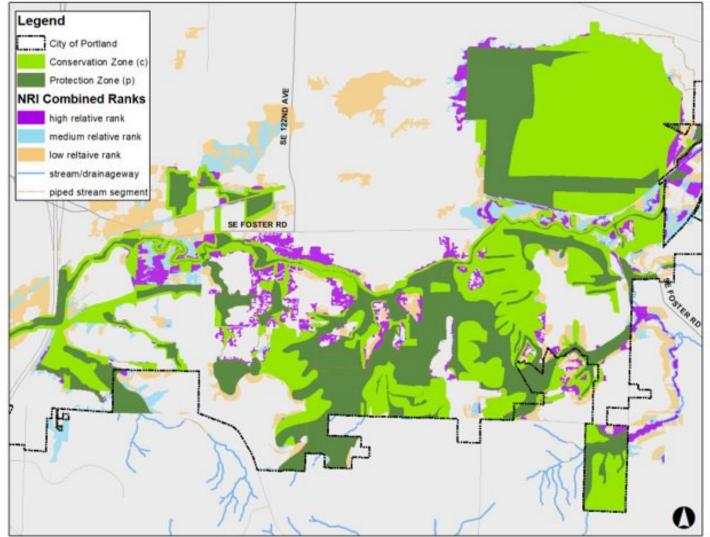
Overlays are usually applied to high ranking resources.

Overlays applied to some medium and low ranking resources.





Old environmental zone mapping (pre 2022).







Projects



Environmental Overlay Zone Map Correction Project









Ezone Project Summary

Purpose of environmental overlay zones

To protect streams, wetlands, flood areas, steep slopes, forests and wildlife habitat.

To protect the resources to protect people and homes from risk of landslides and floods and support healthy neighborhoods.

2. Purpose of this project

To correct the boundaries of the environmental overlay zones to better align with existing natural resources.

3. Why was the project needed

Environmental overlay zones were produced over a 30 year period using variable techniques. The project updated the environmental zone mapping using the NRI.



Environmental Overlay Zone Map Correction Project

Ezones protect important natural resources

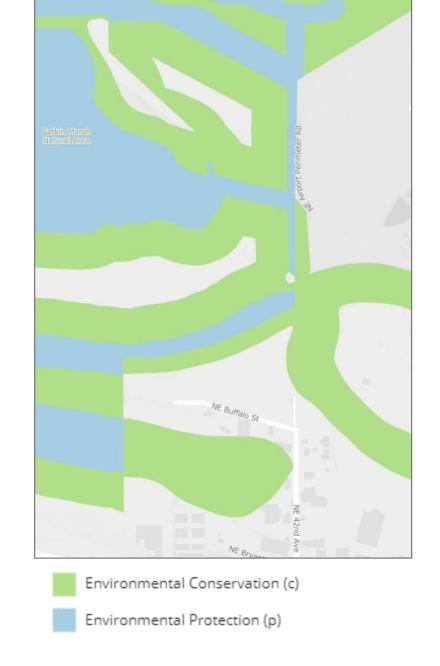
Conservation zone (c)

Allows some **new** private development that is sensitive to the natural resources

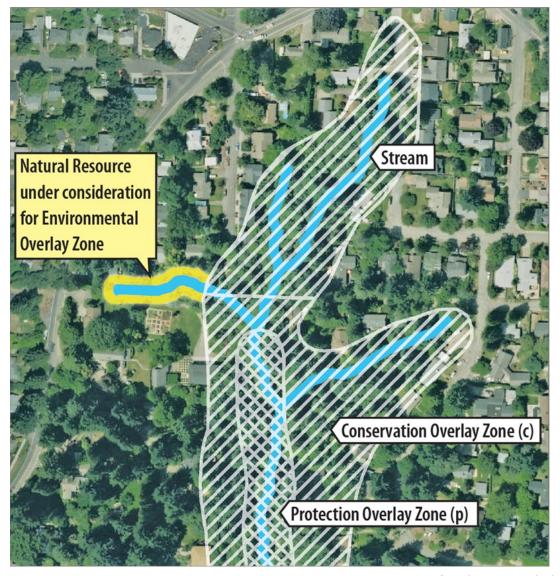
Protection zone (p)

- Prohibits most **new** private development
- Allows new stormwater outfalls, levees, pump stations, public streets and similar infrastructure – with mitigation



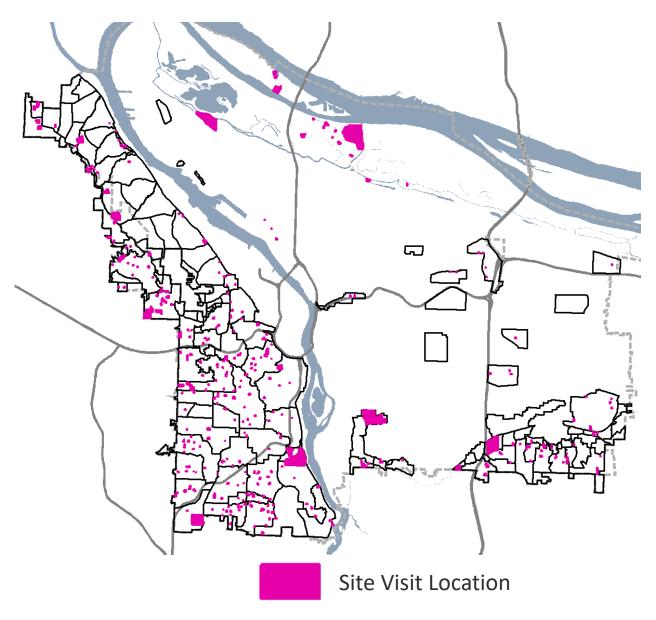


Ezones not Aligned with the Resources



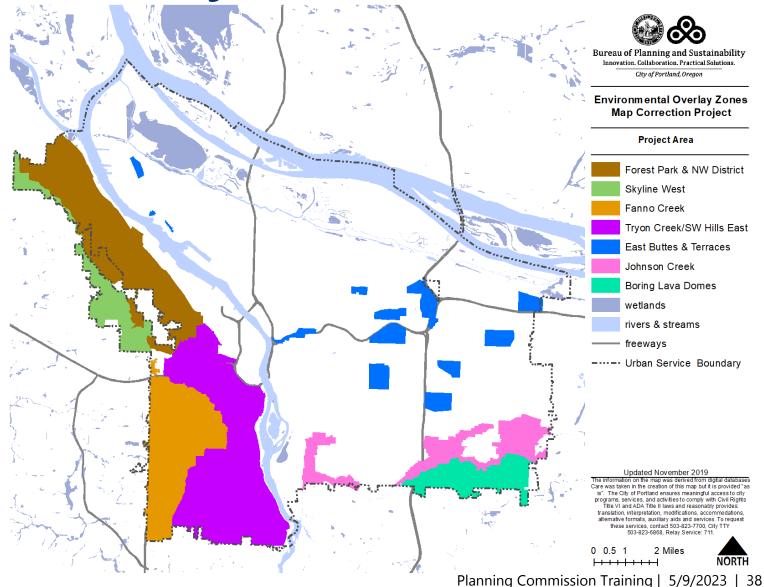
Site Visits







Environmental Overlay Zone Map Correction Project





Columbia Corridor and Industrial Lands Ezone Project

The Next Phase

Update environmental overlays in conjunction with the citywide Economic Opportunity Analysis.

Ensure adequate industrial and employment land for future growth.

Protect natural resources while ensuring **State Land Use Planning Goal 9**compliance.

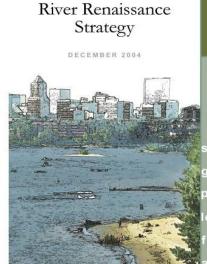




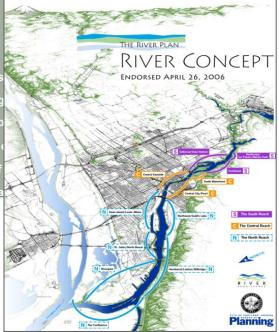
Willamette River Planning



River Renaissance Vision (2001)



River Renaissance Strategy (2005)



The River Concept (2006)



Willamette River Planning

Reaches

- North Reach Adopted 2010 (appealed)
- Central Reach Adopted 2018 (& again in 2020)
- South Reach Adopted 2020

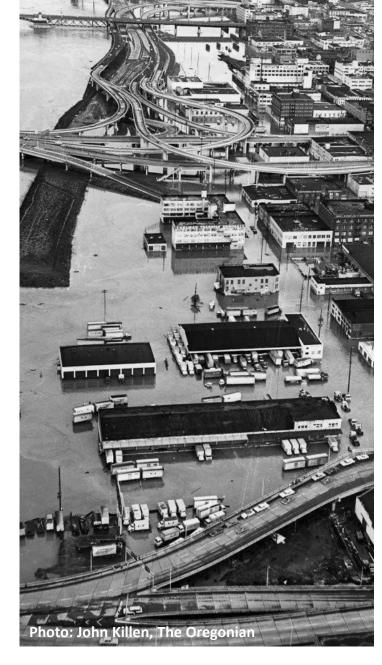




Floodplain Resilience Plan

Plan Purpose/Goals

- Maintain access to floodplain insurance and disaster relief funds
- Reduce future flood risk
- Expand habitat for Portland's threatened and endangered species
- Continue implementation of City's Floodplain Management Update Work Plan

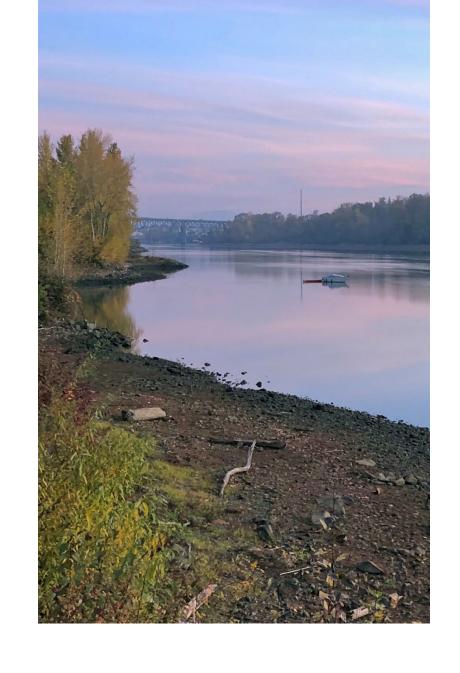




Floodplain Resilience Plan

Zoning Code (Title 33) Updates

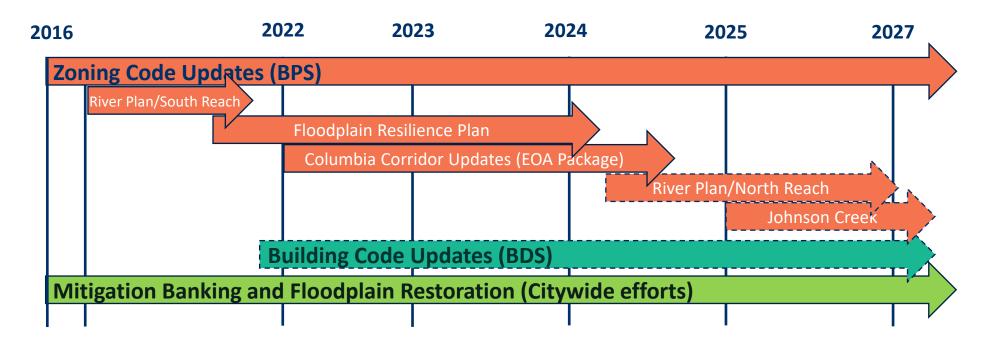
- Establish riparian buffer area in Willamette Central Reach
- Apply environmental zones to all undeveloped floodplains
- Update tree and vegetation requirements throughout the city in the floodplain





Floodplain Management Updates

CITY WORK PLAN COMPONENTS & SCHEDULE







Wrap Up



Wrap Up

- Comp Plan Environment and Watershed Health goals and policies emphasize:
 - Decarbonization
 - Climate resilience
 - Preservation and maintenance of natural resources
 - Environmental equity
- NRI is key to our understanding of the City's natural resources
- Next big thing: Ezone and floodplain updates as a part of EOA





Jeff Caudill and Daniel Soebbing

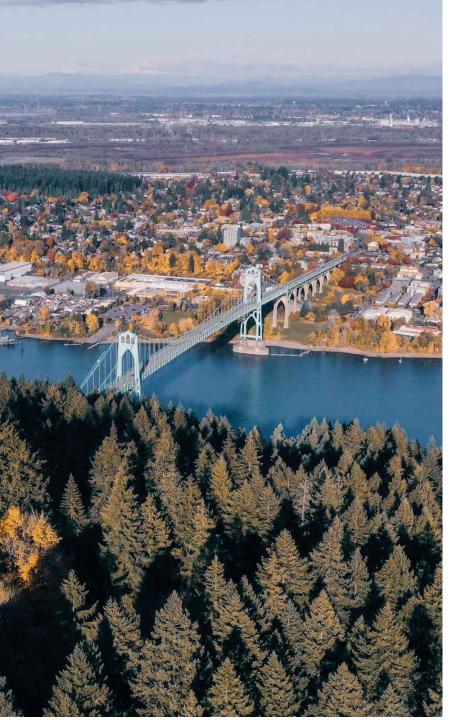
BPS River and Environmental Team

VISIT US ONLINE portland.gov/bps

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Climate Resilience/ Urban Heat Islands

Develop and recommend strategies to mitigate the effects of urban heat islands, adapt to changing climate conditions, and *respond* to extreme weather events.

Areas of interest:

- Policy reform
- Green infrastructure
- Urban form
- Community resilience hubs
- Potential partnerships and funding sources