



# Des Moines

WATERLAND CITY

## AGENDA

DES MOINES CITY COUNCIL

ENVIRONMENT COMMITTEE

City Council Chambers

21630 11th Avenue S, Suite C

Des Moines, Washington

Thursday, June 12, 2025 - 5:00 PM

### **ENVIRONMENT COMMITTEE:**

**CHAIR: Councilmember JC Harris**

**Councilmember Yoshiko Grace Matsui**

**Councilmember Gene Achziger**

### **CALL TO ORDER**

### **AGENDA**

- Item 1. APPROVAL OF THE MARCH 13, 2025 MEETING MINUTES  
[03.13.2025 Meeting Minutes](#)
- Item 2. OPERATIONS AND MAINTENANCE OVERVIEW - 10 Minutes
- Staff will provide an update on the many operations and maintenance programs that the Surface Water Utility implements.  
[Surface Water Utility Operations and Maintenance](#)
- Item 3. WATER RESOURCE INVENTORY AREA 9 (WRIA 9) ILA UPDATE - 15 Minutes
- Matt Goehring, Salmon Recovery Manager, representing WRIA 9 will provide a presentation on the Interlocal Agreement renewal.  
[Green-Duwamish & Central Puget Sound Watershed \(WRIA9\) Interlocal Agreement Renewal](#)  
[Green-Duwamish & Central Puget Sound Watershed \(WRI9\) ILA PowerPoint Presentation](#)
- Item 4. CIP PROJECT UPDATES - 10 Minutes
- Staff will an update on the status of Surface Water Management Capital Improvement Projects that are currently in design and construction phases.  
[Capital Project Update](#)

### **ADJOURNMENT**

**DRAFT MINUTES – ENVIRONMENT COUNCIL COMMITTEE MEETING 03.13.2025**

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The meeting was called to order at 5:00 PM, Thursday, March 13, 2025 in the Council Chamber with the following in attendance:

**Council Members**

J.C. Harris (Chair)  
Yoshiko Grace Matsui (Vice Chair)  
Gene Achziger

**City Staff**

Katherine Caffrey – City Manager  
Michael Slevin – Public Works Director  
Tyler Beekley – Surface Water/Environmental Engineering  
Manager  
Michael Posey – Surface Water Coordinator  
Tommy Owen – City Engineer  
Khai Le – Principle Engineer  
Bonnie Wilkins – Director of Admin Services  
Tara Vaughn – City Prosecutor  
Laura Hopp – Administrative Coordinator

Guests – Mayor Traci Buxton

**AGENDA**

1. Approval of the minutes from the 02.13.2025 meeting
2. National Pollutant Discharge Elimination System (NPDES) Program Overview
3. 2025 Stormwater Management Program Plan

**MEETING:**

1. Unanimous approval of the 02.13.2025 meeting
2. Surface Water/Environmental Engineering Manager Tyler Beekley introduced Surface Water Coordinator Michael Posey to review the SWM department’s 2024 NPDES actions (Item #2 Memo). The NPDES is a permit program first introduced as part of the Federal Clean Water Act in 1972 that regulates stormwater drainage systems. As part of Phase II of the NPDES program, Des Moines has implemented permit requirements since 2007. Mr. Posey provided details for the eight categories of the permit. The Committee discussion included:
  - Tree canopy mapping and future NPDES requirements
  - Contractor/Developer compliance with construction site inspections
  - Catch basin inspections based on King County Surface Water Design Manual
3. Surface Water/Environmental Engineering Manager Tyler Beekley stated this item is essentially a forward looking document required by the Department of Ecology that describes city plans to meet stormwater expectations. Surface Water Coordinator Posey highlighted a few of the City’s efforts. He announced the dates for Stormfest, June 10<sup>th</sup> – 12<sup>th</sup>. Mr. Posey is hoping to expand stormwater educational opportunities with Hamline University’s Adopt-A-Drain curriculum. The City will be switching to an updated version of our current Cityworks reporting/managing program called Cityworks Respond. The Source Control Program will be conducted in-house for 2025 and a focus will be on developing

positive relationships with the 40 business owners that have been selected by the team. The SWM Department added a new staff member (Bryce Flury, Engineering Technician) last year. One of his tasks is to map berms and curbs for a future street sweeper requirement. PCBs and PFAS will be researched during 2025.

Chair Harris stated that although the April Environment Committee is cancelled, he has asked the City Manager to continue the monthly staff updates due to the complicated material, issues that persist year-to-year and reviewing SWM Utility Tax expenditures.

Meeting adjourned at 5:48 p.m. Minutes respectfully submitted by: Jodi Grager, Admin Coordinator



## SURFACE WATER UTILITY OPERATIONS AND MAINTENANCE JUNE 2025

### **NPDES OPERATIONS & MAINTENANCE OVERVIEW**

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Each Permittee shall implement and document a program to regulate maintenance activities and to conduct maintenance activities by the Permittee to prevent or reduce stormwater impacts. (Western Washington Phase II Municipal Stormwater Permit S5.C.7).

- **2025 Staffing and Equipment**
  - The Surface Water Management Maintenance team consists of 6 full time employees. 1 lead, 1 Stormwater Specialist, and 4 maintenance workers.
  - A new vactor truck was approved for purchase. Delivery is expected in the Fall of 2025.
- **Public Stormwater Facility Inspections**
  - 243 total facilities inspected annually: (8 oil water separators, 16 bioswales, 2 bioretention structures, 1 coalescing plate oil water separator, 90 control structures, 13 detention ponds, 46 detention tanks/vaults, 6 dispersion trenches, 4 infiltration trenches, 4 hydrodynamic separators, 15 infiltration basins, 1 rain garden, 9 stormfilters, 18 stormwater wetlands, 4 wetponds, and 6 wetvaults)
  - 18 total facilities received maintenance in 2024.
  - Bird Ball Installation completed at Business Park Pond A.
- **Private Stormwater Facility Inspections**
  - 90 total facilities inspected annually: (7 oil water separators, 17 control structures, 4 detention ponds, 18 detention tanks/vaults, 2 dispersion trenches, 3 infiltration trenches, 3 bioretention structures, 6 permeable pavements, 6 rain gardens, 17 stormfilters, 2 bioswales, and 5 stormwater wetlands).
  - 9 total facilities required maintenance in 2024.
- **Construction Inspections**
  - Stormwater assets within active subdivision construction sites are inspected every 4 months.
- **Public Catch basin inspections**
  - 5,095 total CBs - Inspected bi-annually
  - 3,097 CBs inspected in 2024
  - 610 CBs maintained in 2024



## SURFACE WATER UTILITY OPERATIONS AND MAINTENANCE JUNE 2025

- **Stormwater Pollution Prevention Plan (SWPPP) for City maintenance & storage facilities**
  - A SWPPP was developed for all City heavy equipment maintenance and storage yards, and material storage facilities (Public Works Building Mechanic Shop and Public Works Storage Yard). The maintenance and storage facilities are inspected on an annual and quarterly basis to identify locations of all materials that could cause pollution if spilled or otherwise released into the environment.
  - Permanent Storage Covers planned for install in 2027.

### **ASSET MANAGEMENT & PROGRAMS**

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- **Asset Management and Tracking**
  - Cityworks Asset Management Program is used to facilitate and track inspection and maintenance of the City's stormwater assets.
  - ArcGIS online mapping of all public stormwater infrastructure.
- **Drainage Concerns**
  - Citizens contact Public Works with drainage concerns that are investigated and addressed as needed. The most common way concerns are received is through the online Fix-it Form.
- **Corrugated Metal Pipe (CMP) Inspections**
  - CMP is no longer an approved standard material for stormwater pipe as installations have an expected service life of 15-40 years.
  - 251 CMP sections will be inspected between 2024-2028 and graded to determine a maintenance and replacement schedule through the City.
  - Inspection camera purchased in 2024 to help facilitate inspections.
- **Pipe Program**
  - Citizens have the opportunity to partner with Public Works to fill in ditch lines in front of their properties with new pipe and catch basins.
- **Pipe Projects**
  - Each year the City's maintenance crews complete a handful of pipe maintenance and improvement projects.
- **Ditch and Pond Mowing**
  - City owned stormwater ponds and ditch lines are mowed on a regular basis between the Spring and Summer months.

# Green/Duwamish & Central Puget Sound Watershed (WRIA 9) Interlocal Agreement Renewal



Matt Goehring, WRIA 9 Salmon Recovery Manager  
June 12, 2025



# Presentation Outline

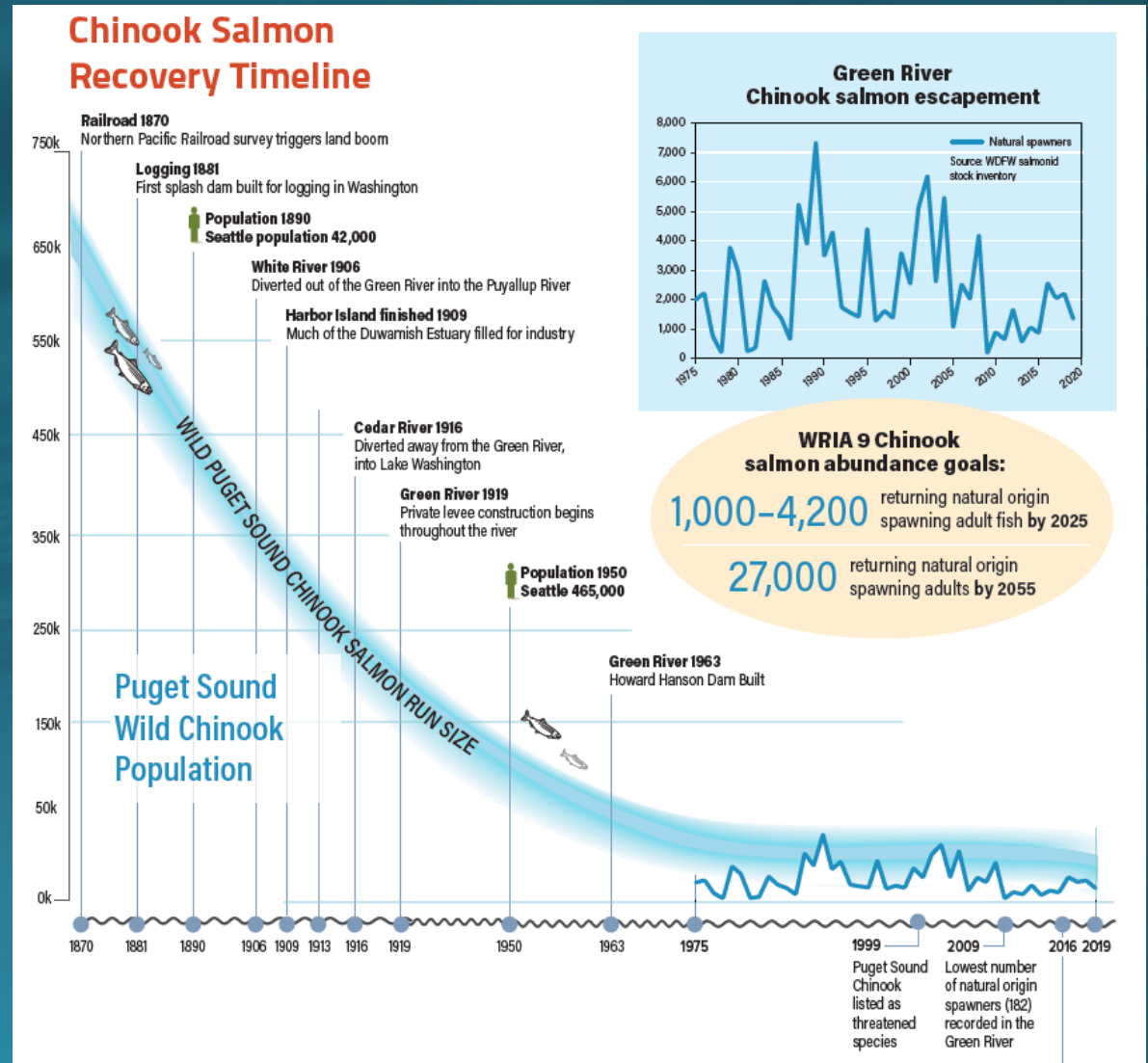
Goal: Provide Council context for consideration of 2026-2035  
Interlocal Agreement (ILA) Renewal

- I. Salmon Recovery Context
- II. Salmon Habitat Plan
- III. ILA Overview
- IV. Funding & Accomplishments
- V. Looking Forward



# Salmon Recovery Timeline

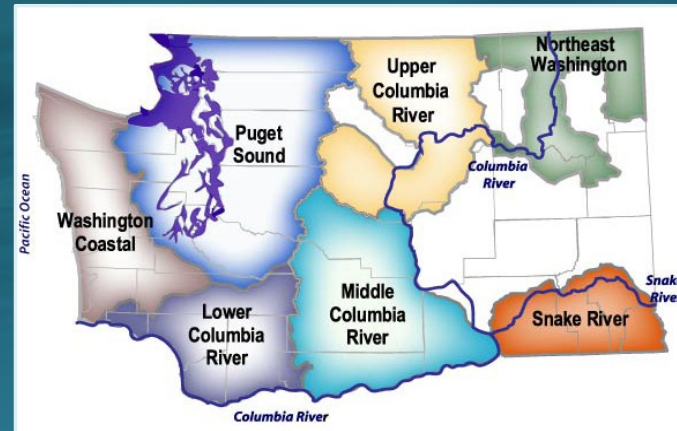
- 1999 Chinook salmon ESA listed
- 2000 Shared Strategy collaborative
- 2001 First interlocal watershed forums
- 2005 Green/Duwamish Salmon Habitat Plan
- 2007 Puget Sound Salmon Recovery Plan
- 2021 Green/Duwamish Plan Update



# Salmon Recovery Framework

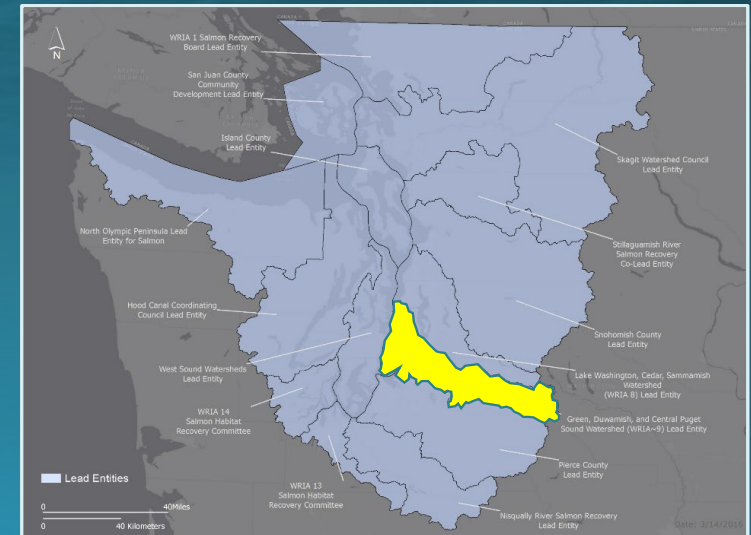


8 Regions  
Puget Sound Partnership

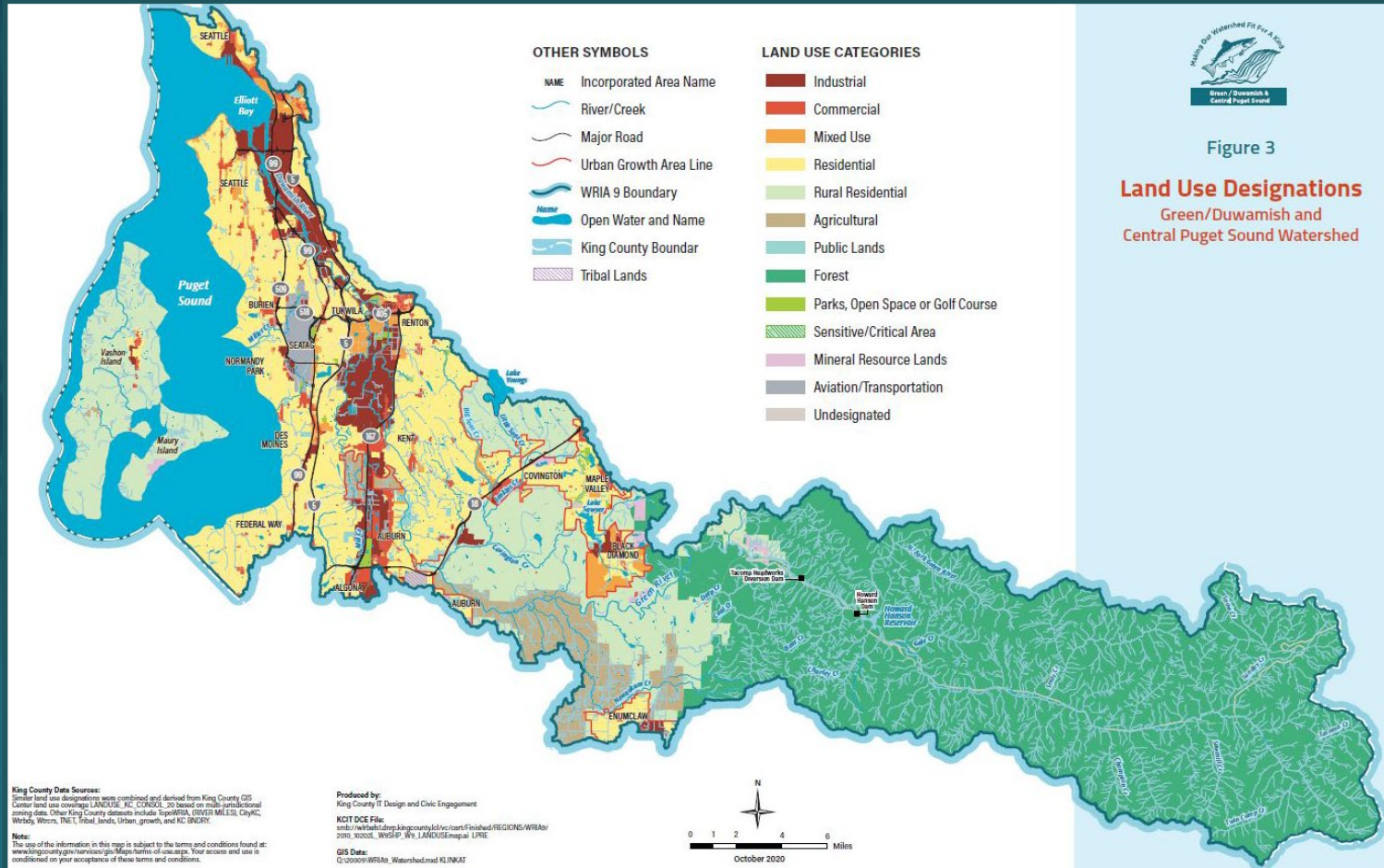


NOAA Fisheries  
(Fed. Gov't)

15 Lead Entities  
WRIA 9



# WRIA 9 - Watershed-Based Approach



# Salmon Habitat Plan

Chinook salmon status assessment

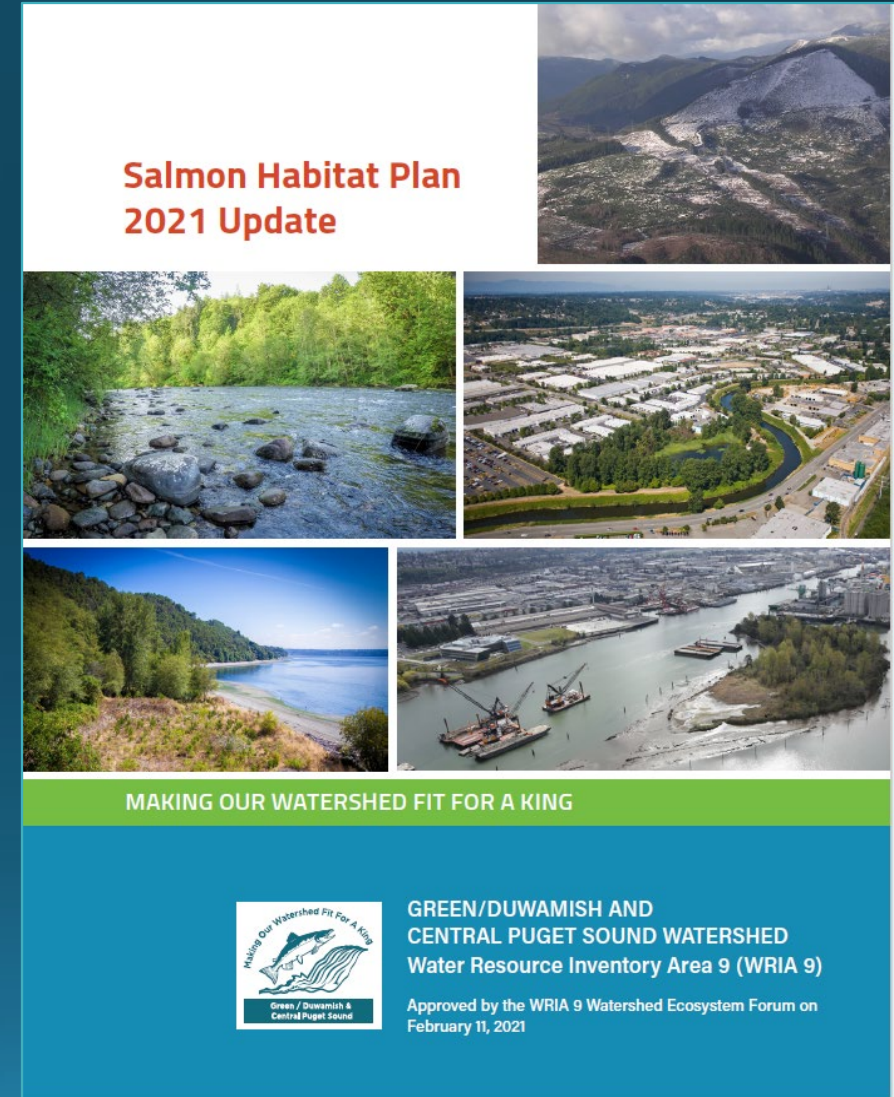
Best available science

Habitat goals

Recovery strategies

Capital project list


Monitoring & Adaptive Management



The cover page for the Salmon Habitat Plan 2021 Update features a collage of four images: a mountain landscape with a river, a rocky stream, an aerial view of a residential area with a winding river, and a coastal view of a bay. The title 'Salmon Habitat Plan 2021 Update' is in red text. Below the images is a green banner with the slogan 'MAKING OUR WATERSHED FIT FOR A KING'. At the bottom, there is a logo for the Green/Duwamish & Central Puget Sound and text indicating the plan is for Water Resource Inventory Area 9 (WRIA 9) and was approved by the WRIA 9 Watershed Ecosystem Forum on February 11, 2021.

**Salmon Habitat Plan  
2021 Update**

**MAKING OUR WATERSHED FIT FOR A KING**

 **GREEN/DUWAMISH AND  
CENTRAL PUGET SOUND WATERSHED  
Water Resource Inventory Area 9 (WRIA 9)**

Approved by the WRIA 9 Watershed Ecosystem Forum on  
February 11, 2021



WRIA 9 Watershed Ecosystem Forum

# WRIA 9 ILA 2026-2035

- ✓ Implementation & Adaptive Management of Salmon Habitat Plan
- ✓ Governance Structure – Watershed Ecosystem Forum
- ✓ Funding Mechanism
- ✓ Annual Work Plan & Budget
- ✓ 2001-2006, 2007-2015, 2016-2025



# 2026-2035 ILA Timeline

Winter 2024	Early coordination across WRIA 8/9
Spring 2024	Review approach with partners
Summer 2024	Draft ILA partner comment period
September 2024	Optional attorney conference call
Fall/Winter 2024	Watershed Ecosystem Forum Approval
Spring-September 2025	Partner approval / Execution

# 2025 WRIA 9 Work Plan

## Watershed Coordination

- Watershed Ecosystem Forum

## Project Coordination & Implementation

- Funding strategy & annual grant round

## Monitoring & Adaptive Management

- Implementation Technical Committee

## Stewardship Services

- Partner coordination and project development



Fenster Levee Setback, Auburn

# Salmon Recovery Funding

## ILA Funding

- \$606,781 (\$16,172 Des Moines)
- Cost Share= Ave (% population + Assessed Value +Area)

## Grant Funding

- \$4.2 Million Cooperative Watershed Management (Flood Control District)
  - Large Capital (>65%), Regreen (15%), Research/Monitoring (10%), Outreach & Education (5%), Implementation Fund (5%)
- \$1.1 Million Puget Sound Acquisition & Restoration
- \$300,000 Salmon Recovery Funding Board



# Accomplishments

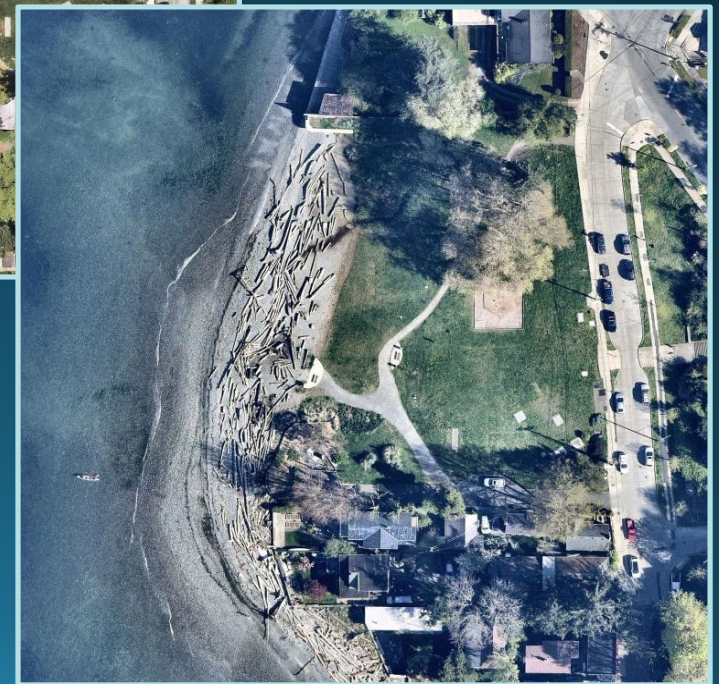
>\$200 Million of leveraged investments

- ~3.5 miles of levee setback
- >500 acres revegetated
- ~4.5 miles marine shoreline conserved
- 1 mile of marine shoreline armor removed



2021

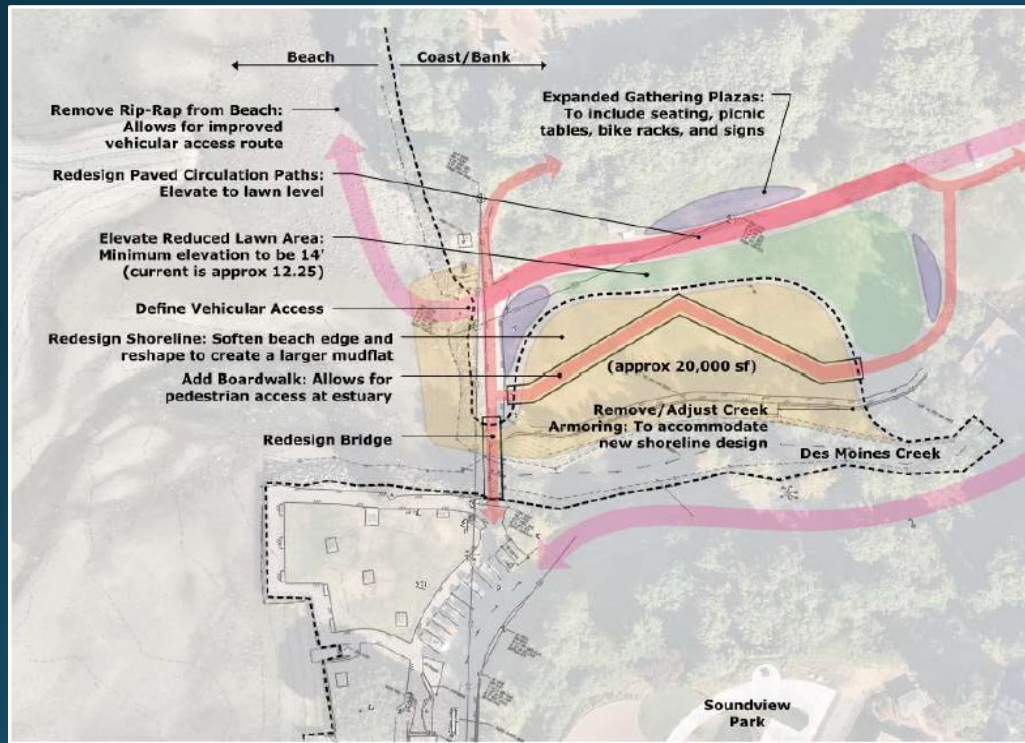
Lowman Beach  
Park, Seattle



2025

# Looking Forward

## Des Moines Beach Park



## Howard Hanson Dam



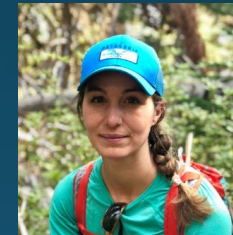
# Questions?

WRIA 9 Staff

Matt Goehring, Salmon Recovery Manager  
[mgoehring@kingcounty.gov](mailto:mgoehring@kingcounty.gov) | (206) 263-6826



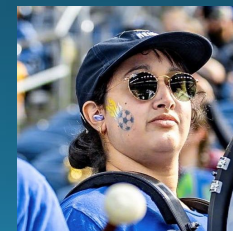
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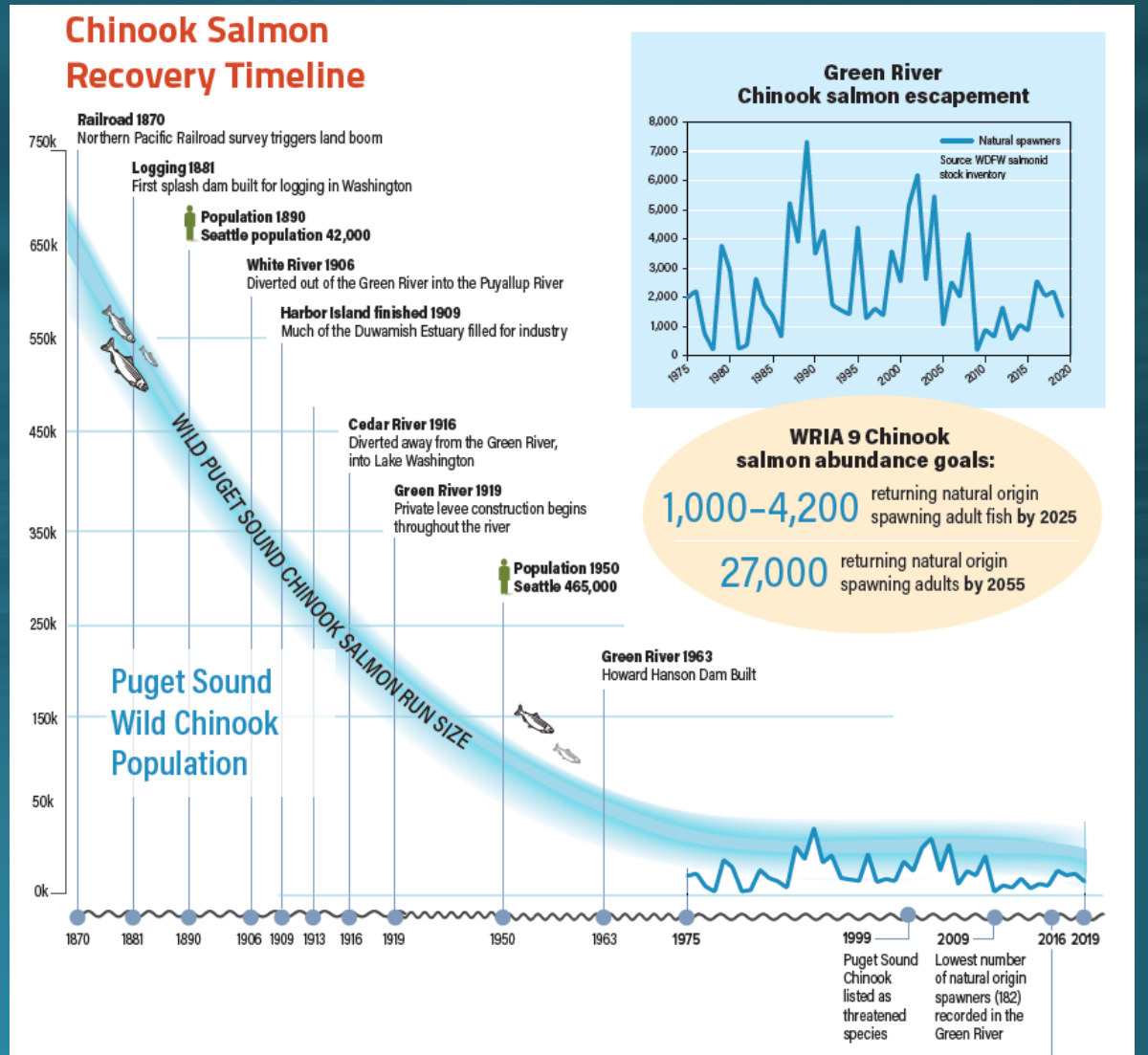
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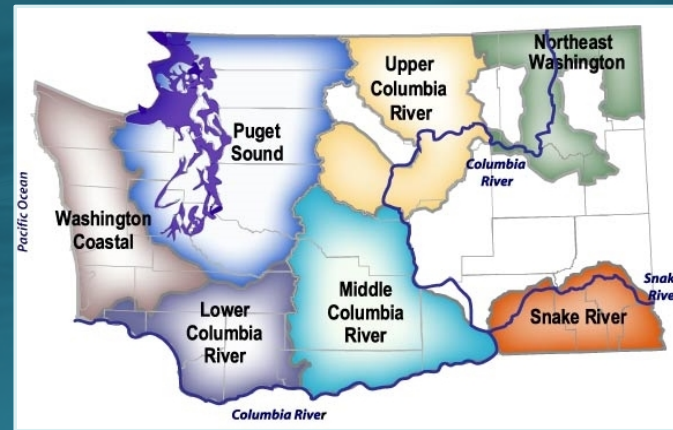
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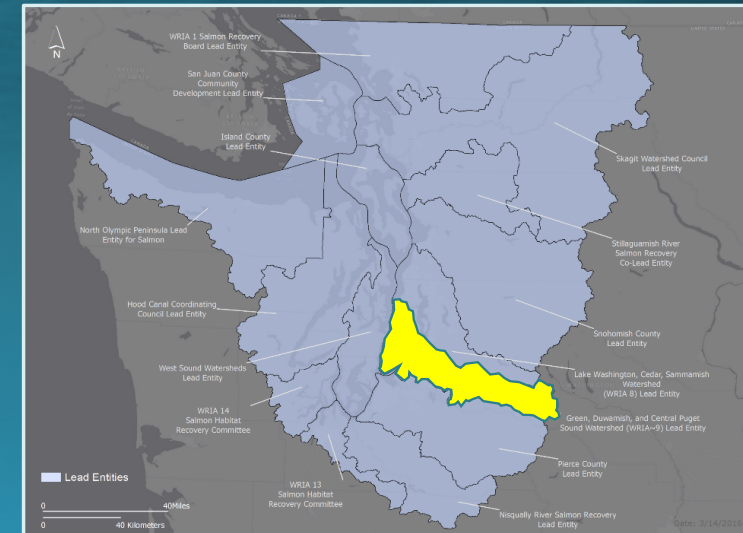
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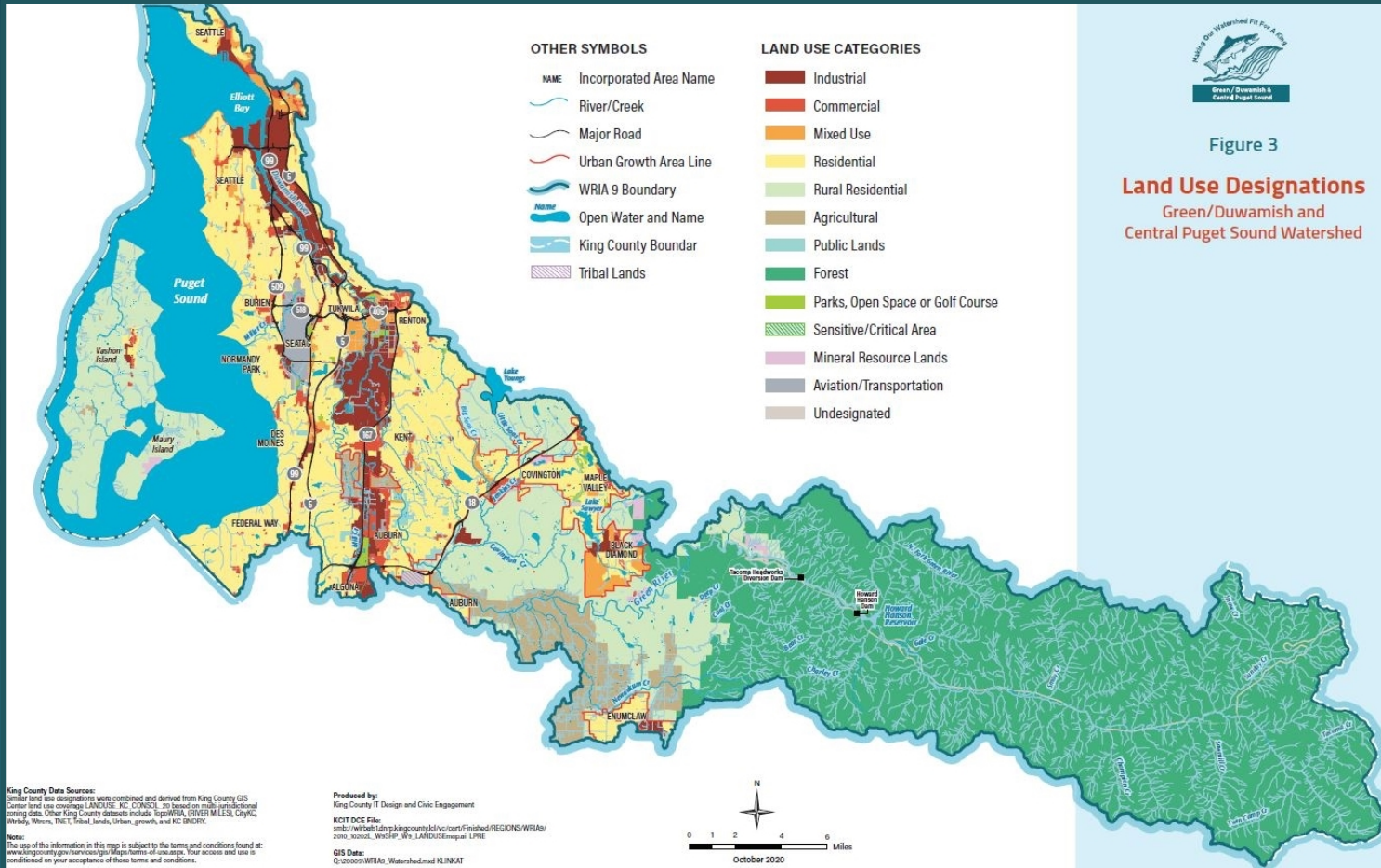


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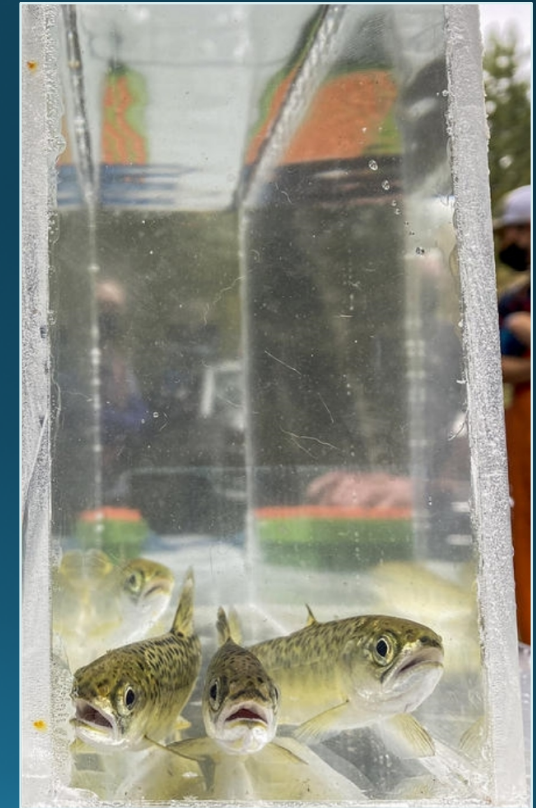
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2021

Lowman Beach  
Park, Seattle



2025

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Des Moines Beach Park



Howard Hanson Dam



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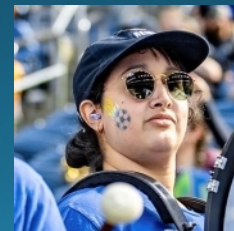
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**Environment Committee  
June 2025  
Capital Project Update**

<b>Current Construction</b>	<b>Phase</b>	<b>Status/Comment</b>
24th Ave S Pipeline Replacement Project	CN	Transportation Led Project; Construction has resumed and should be completed by November 2025
Des Moines Memorial Drive (208th-212th)	CN	Substantial completion granted, punchlist and closeout in process
216th Pl/Marine View Dr Pipe Upgrade	CN	Substantial completion granted, punchlist and closeout in process
Deepdene Outfall Project	CN	Changed to Maintenance Crew project, currently in-process
<b>Planning, Engineering, ROW Acquisition</b>		<b>Status/Comment</b>
Massey Creek Pocket Estuary and Fish Project	N/A	Project shelved due to feasibility issues, budget transferred to Marine View Drive Pond Retrofit
Des Moines Creek Pocket Estuary Project	PE	Preliminary Design & Permitting initiated with consultant Parametrix (see grant funding below)
6th Pl/287th Street Pipe Project	PE	Preliminary Design & Permitting initiated with consultant Parametrix
Marine View Drive Retrofit Project	PE	Preliminary Design & Permitting initiated with consultant Parametrix (see grant funding below)
<b>Projects Targeted for Grant Funding:</b>		<b>Status/Comment</b>
Des Moines Creek Estuary Restoration Project	PE	Funded through 60% design currently, 1 current grant application which would fund 100% design
Marine View Drive Retrofit Project	PE	Funded through 100%, looking for grants for construction phase