

Green/Duwamish and Central Puget Sound Salmon Habitat Plan Update



Tacoma Public Utility Board | August 25, 2021

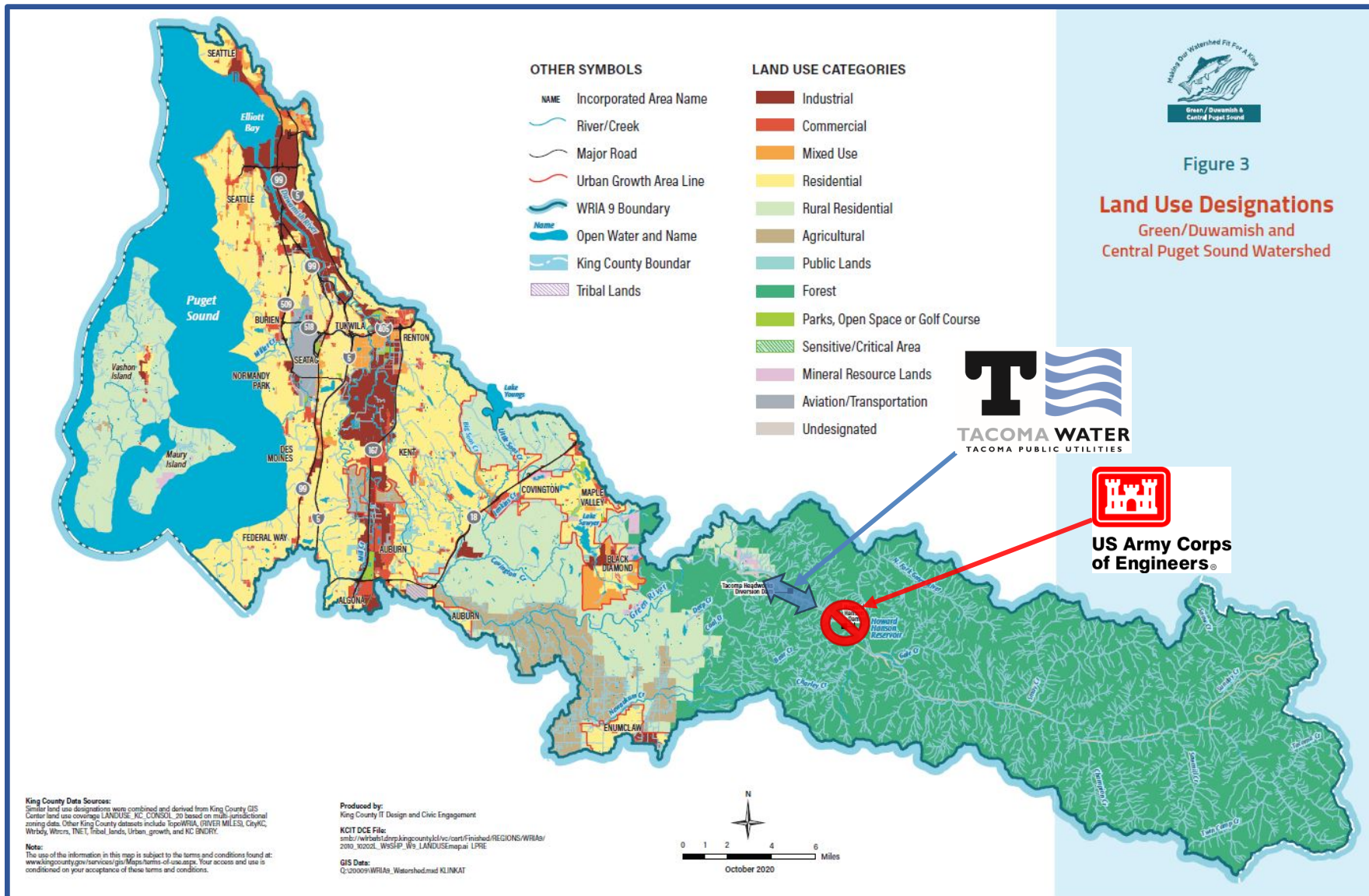
Jesse Narog | Watershed ADM

Tacoma Water



Green/Duwamish and Central Puget Sound Watershed

Water Resources Inventory Area 9 (WRIA 9)



WRIA 9

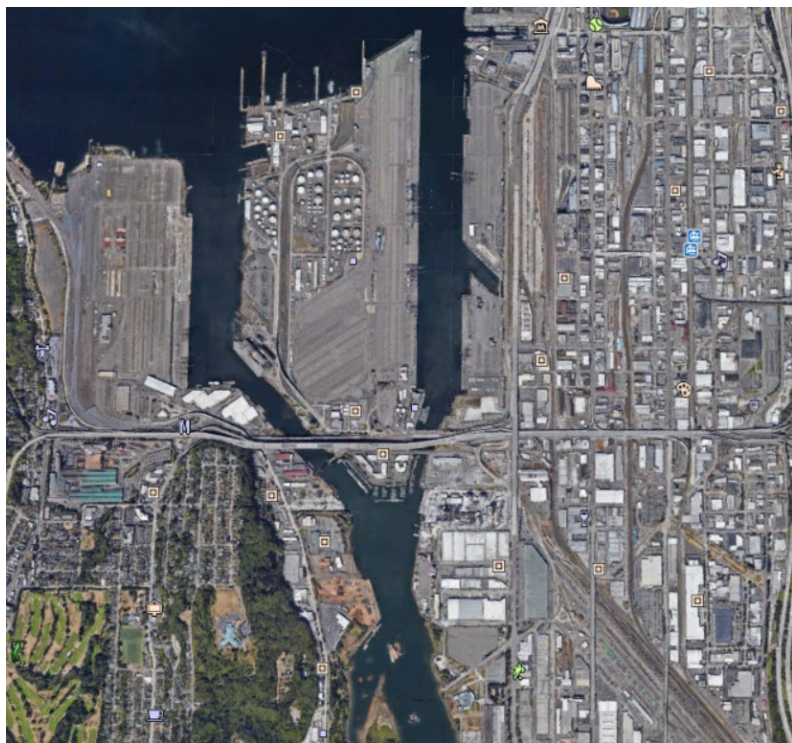
575 square miles

17 local gov'ts

5 subwatersheds

2 Dams

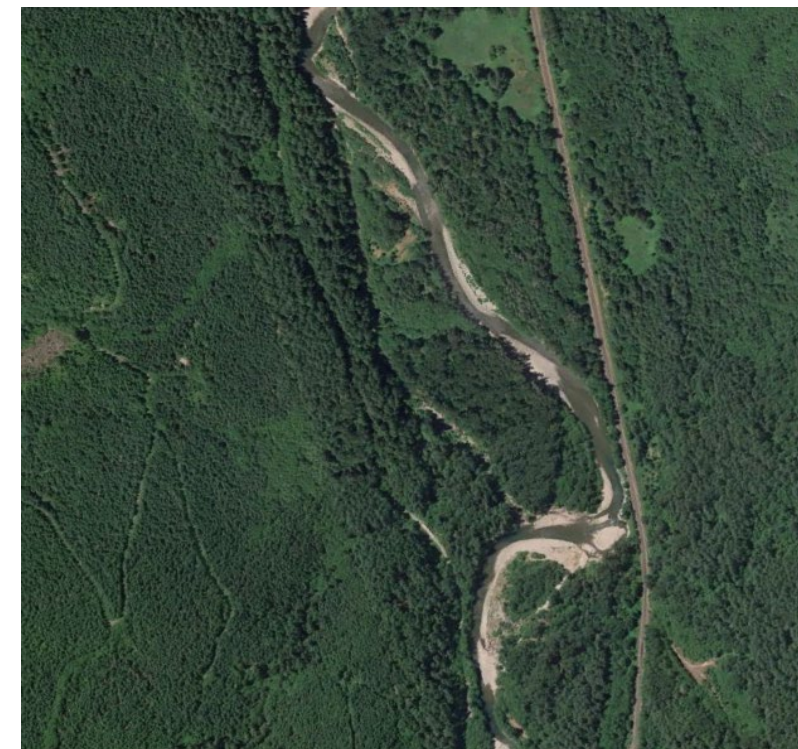
Upstream



Duwamish/Elliott Bay



Auburn/Green Valley



Upper Watershed

Downstream

How Did WRIA 9 Arrive Here?

1999 Chinook salmon listed under ESA

2001 WRIA 9 interlocal agreement (ILA) (Resolution U-9714)

2002 Public Utility Board approval of ILA - (U-9714)

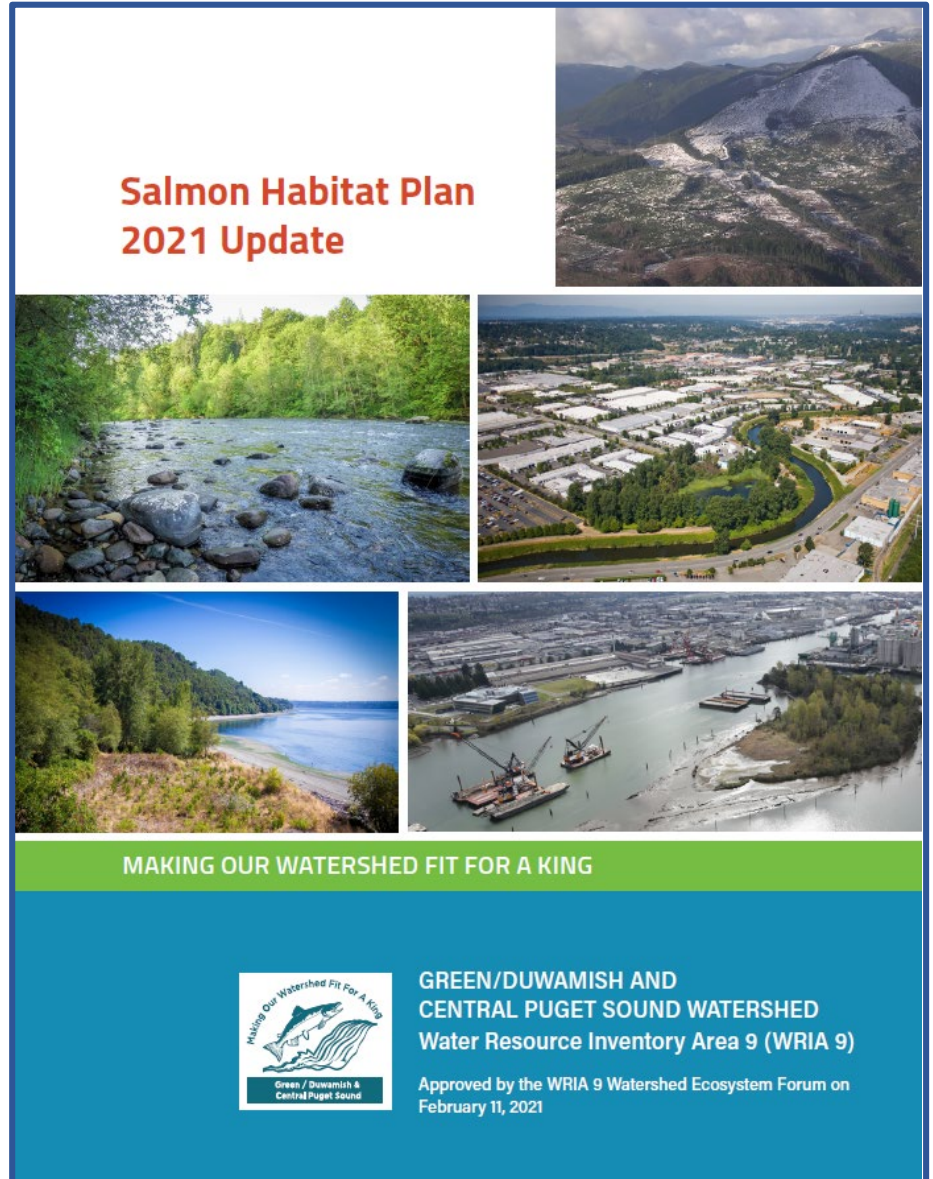
2005 WRIA 9 Salmon Habitat Plan - (U-10015) (Resolution U-10020)

2007 WRIA 9 ILA renewal (2007-15) (Resolution U-10086) - (U-10086)

2007 Puget Sound Regional Recovery Plan

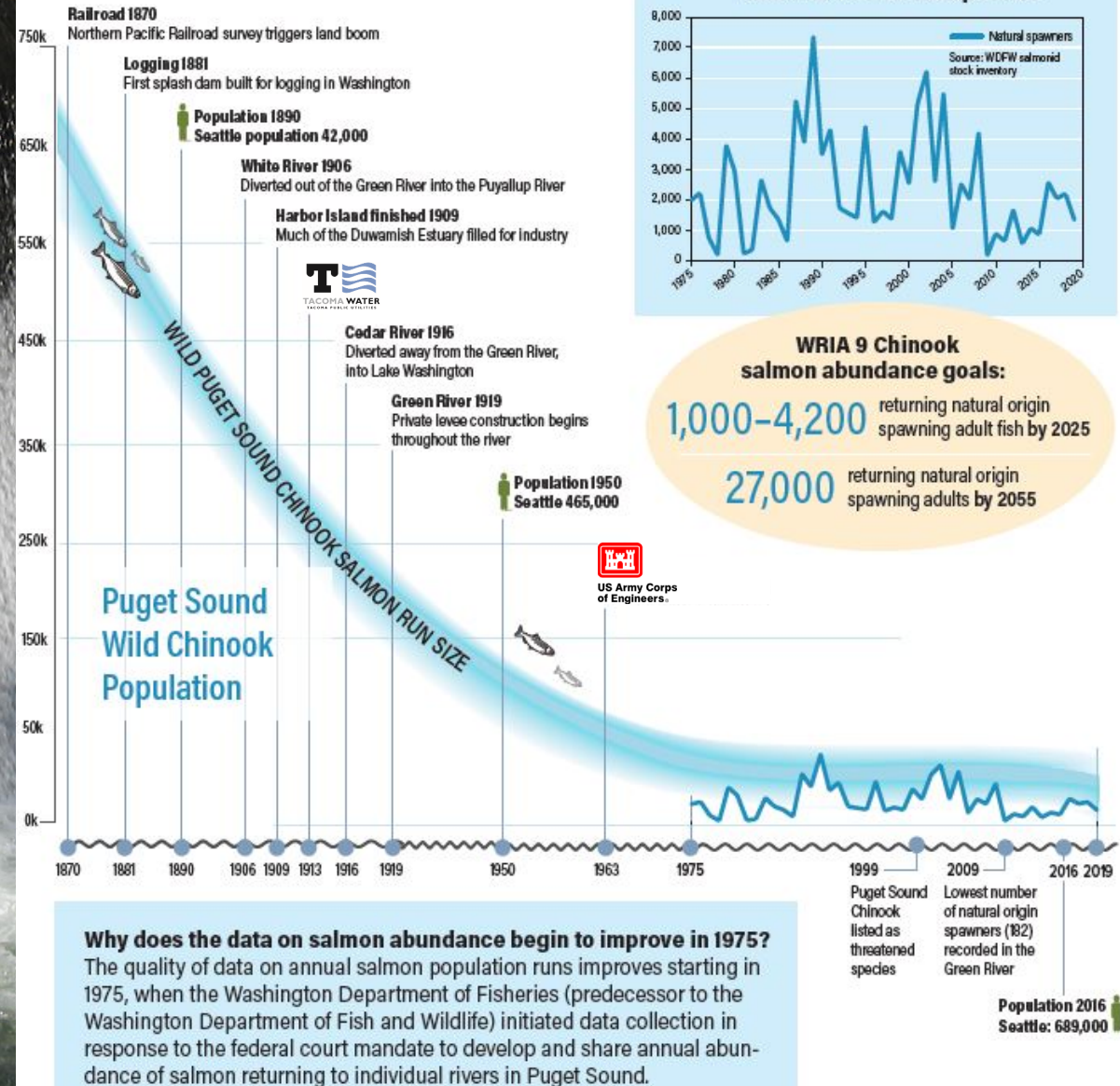
2015 WRIA 9 ILA renewal (2016-2025) - (U-10800) (Resolution U-10800)

2021 WRIA 9 Salmon Habitat Plan Update





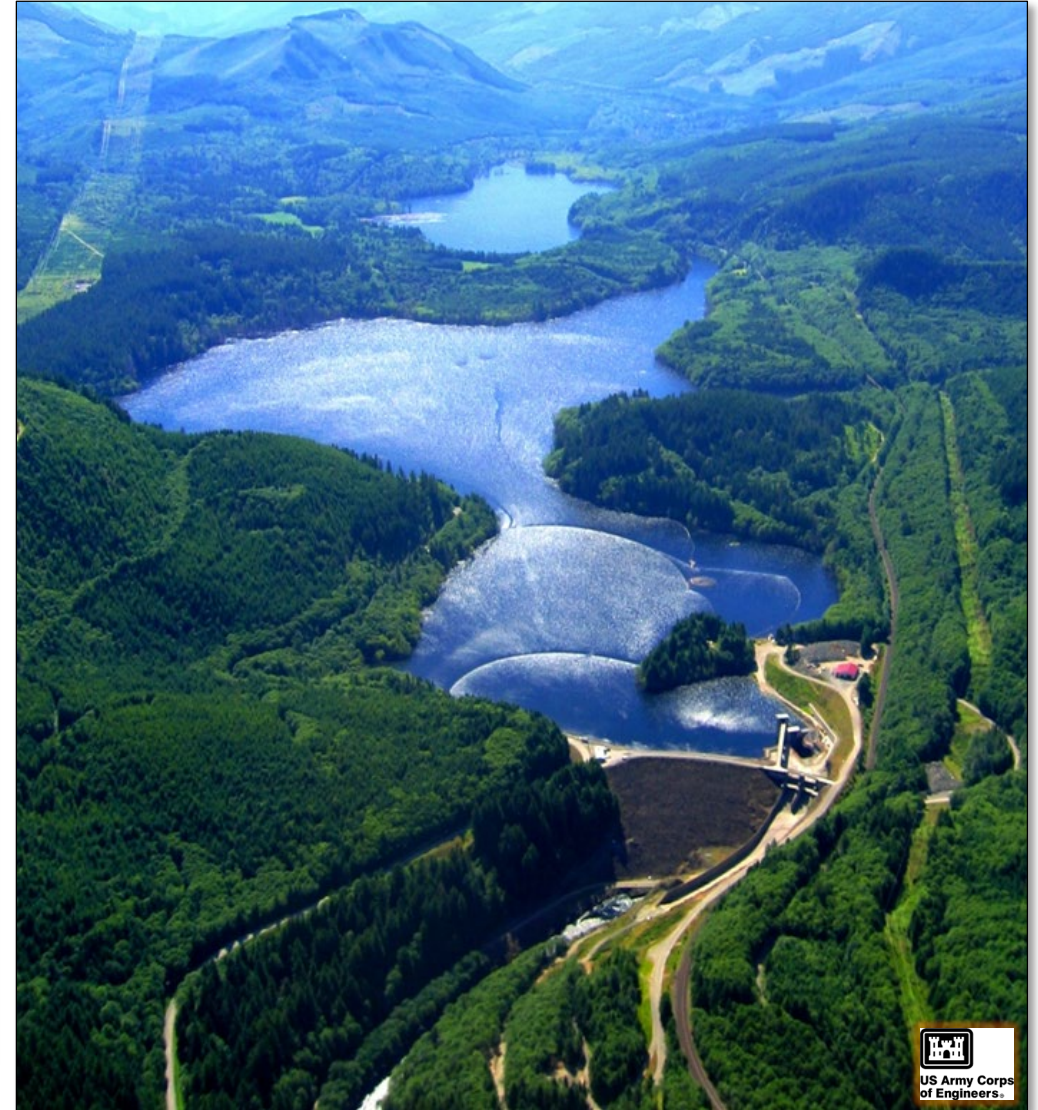
Chinook Salmon Recovery Timeline



Why is Tacoma involved?



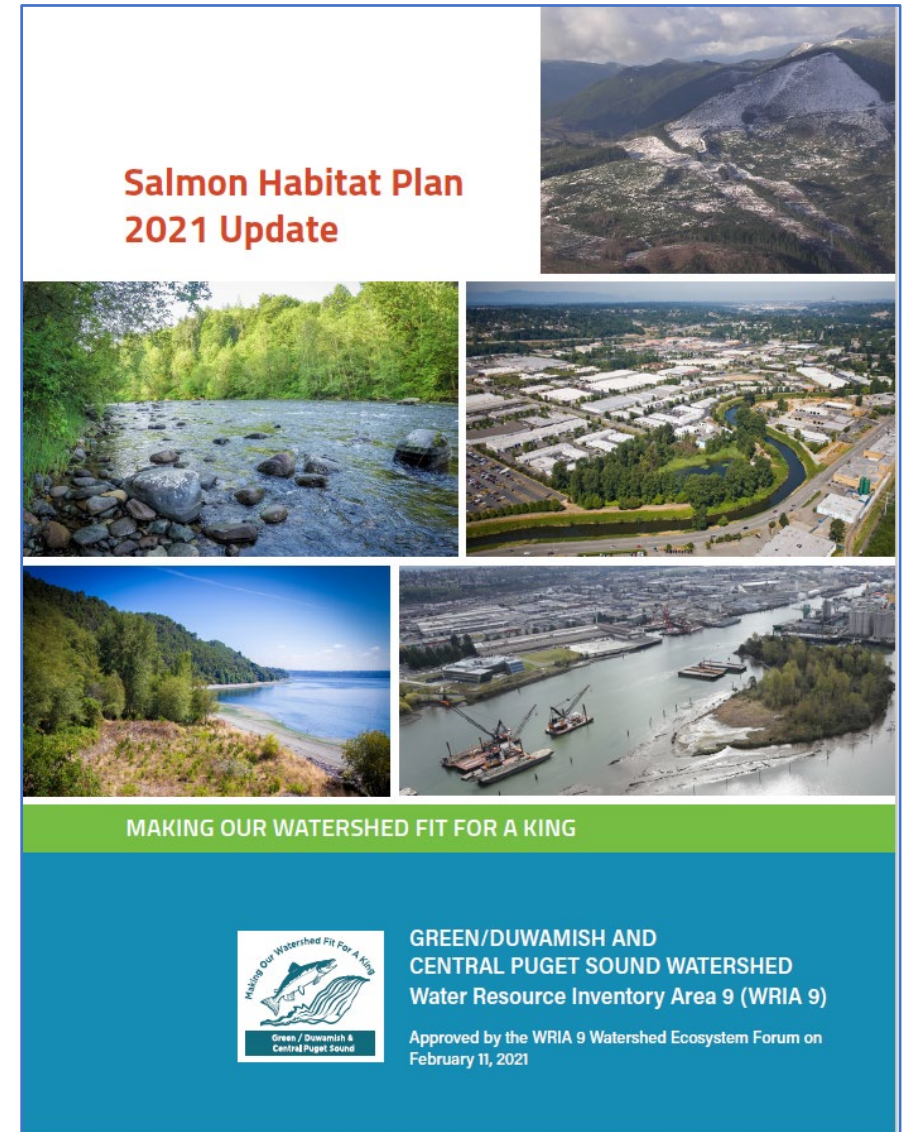
Tacoma - Drinking Water Diversion Dam



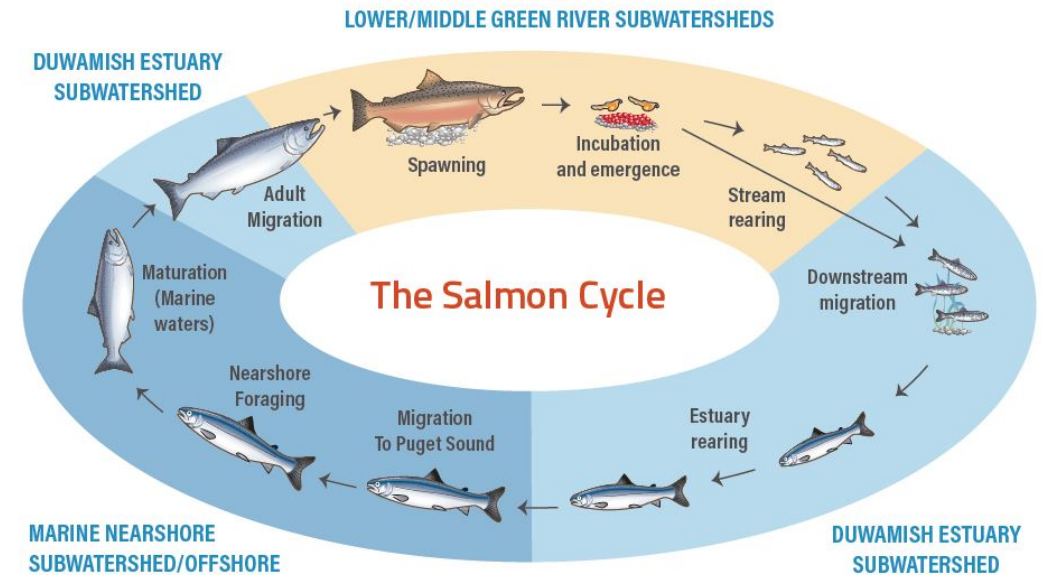
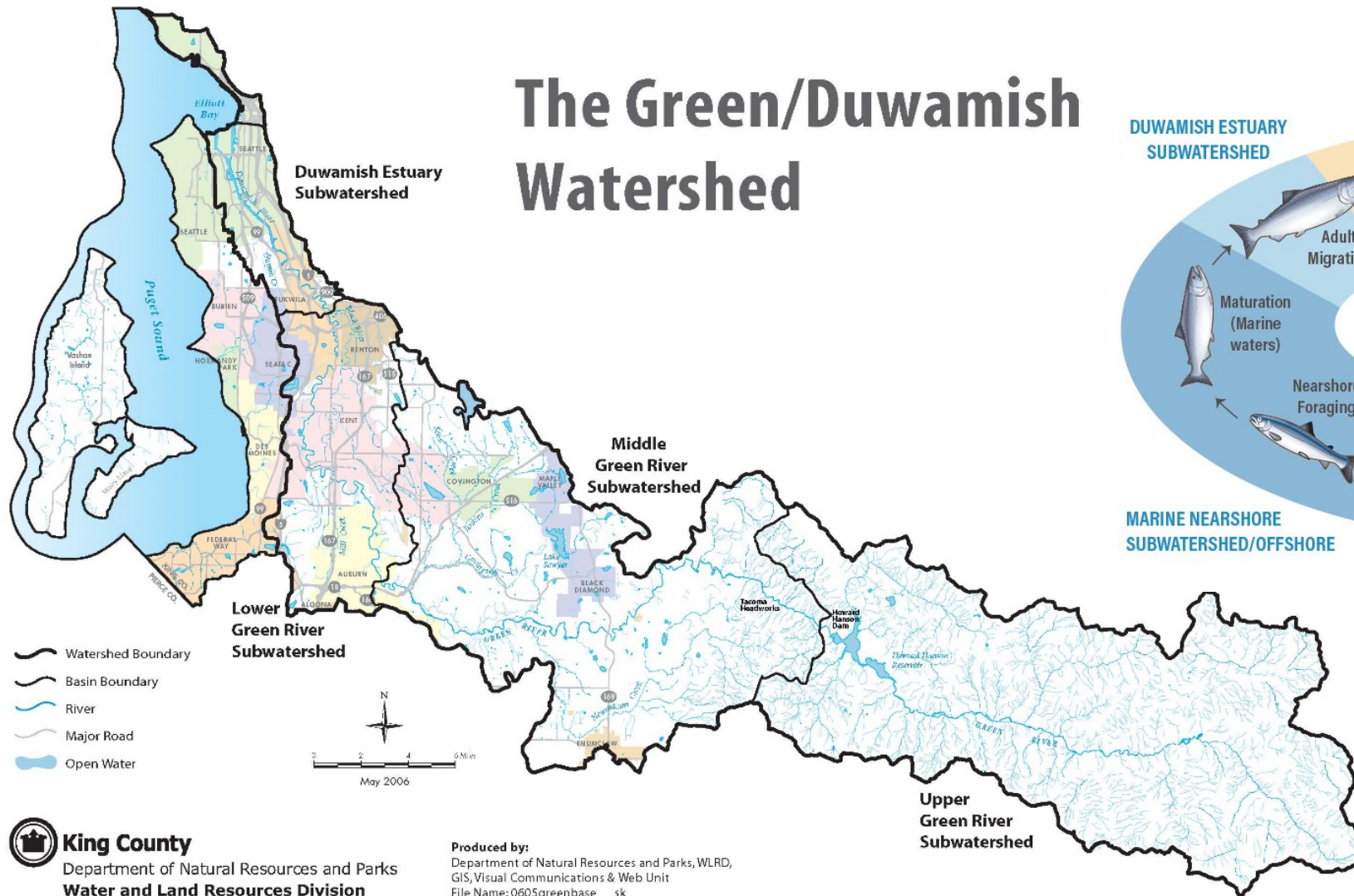
Army Corps - Howard Hanson Dam

2021 Salmon Plan Update

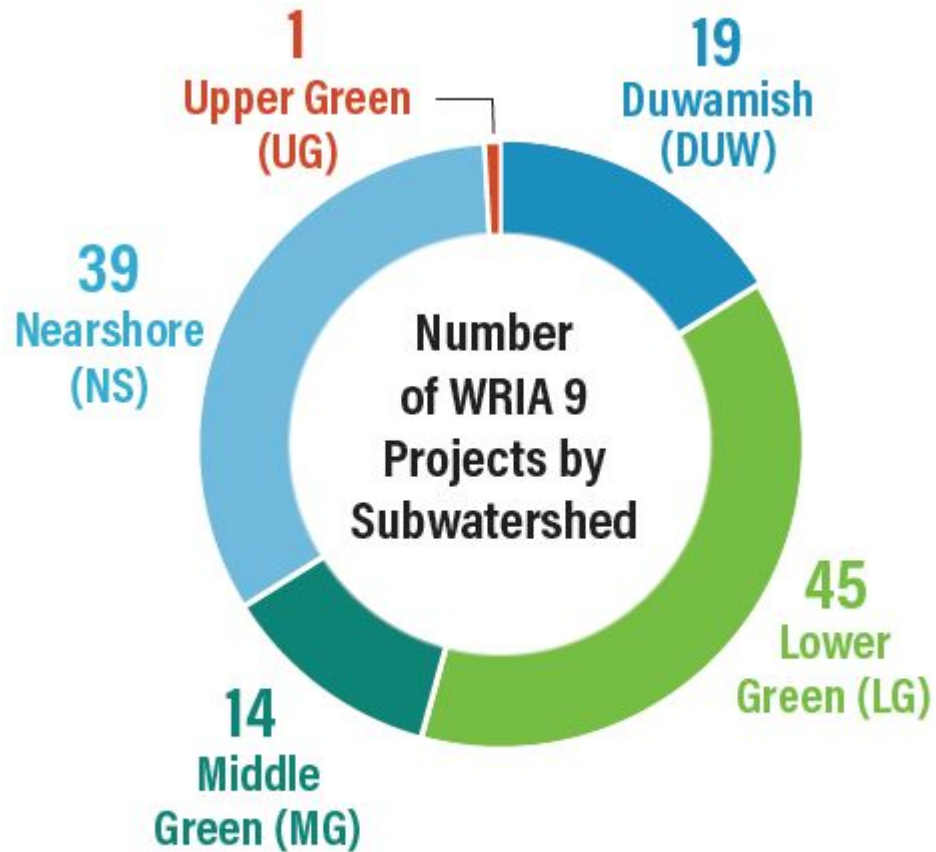
- Chinook salmon status assessment
- New science (e.g., climate change)
- Updated habitat goals
- Refined recovery strategies
 - *Policies and programs*
- Revised capital project list
- Monitoring & Adaptive Management Plan



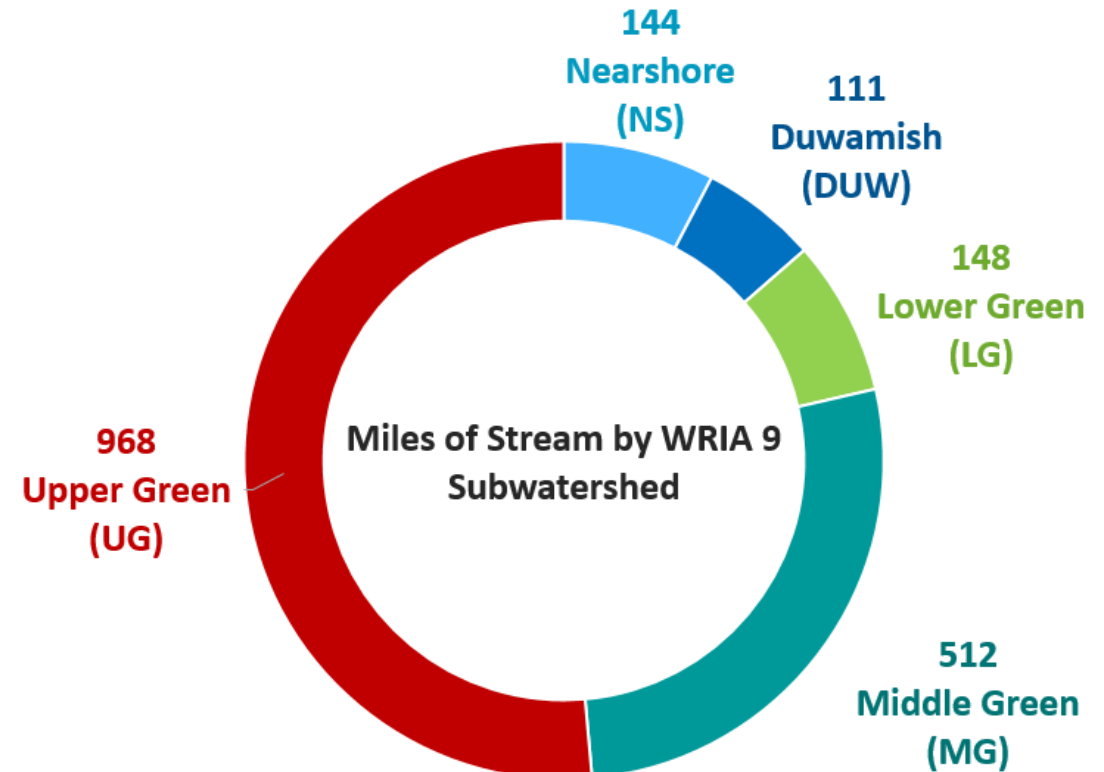
Chinook Salmon Lifecycle:



Salmon Recovery Capital Projects



Stream Miles By Subwatershed



*Stream length by subwatershed was measured from GIS and is presented here as an analogy to habitat availability

2021 Salmon Habitat Plan Update:

Strategies Relating to Tacoma Water & the Upper Green



Gravel and Large Woody Debris Nourishment Program on the Green River (downstream of dams)

WRIA 9 Partnership Accomplishments

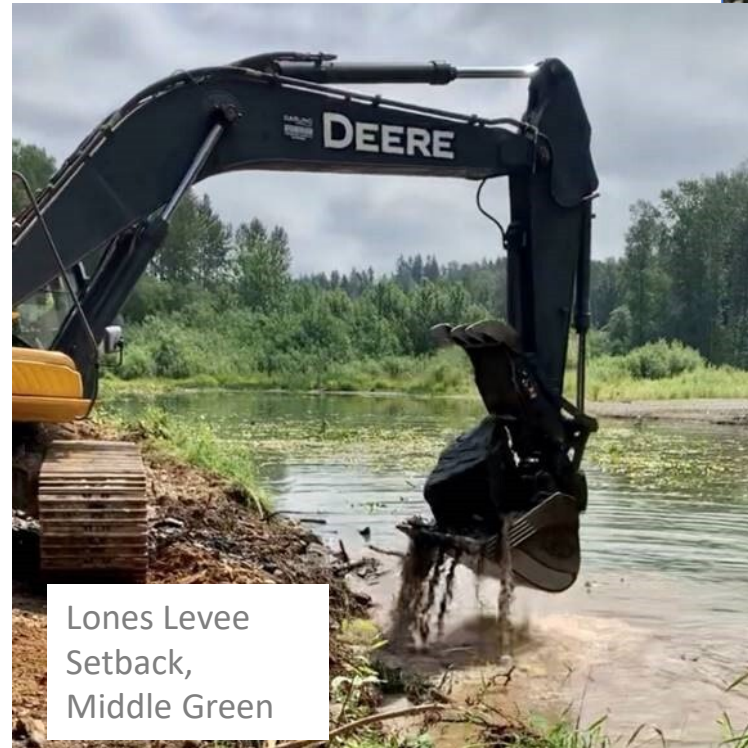
\$200M of local, state, and federal investment

Interlocal Agreement (2001-2021)

- \$8.4M Total from ILA Partners
- \$417k Tacoma



Lones Levee
Setback,
Middle Green

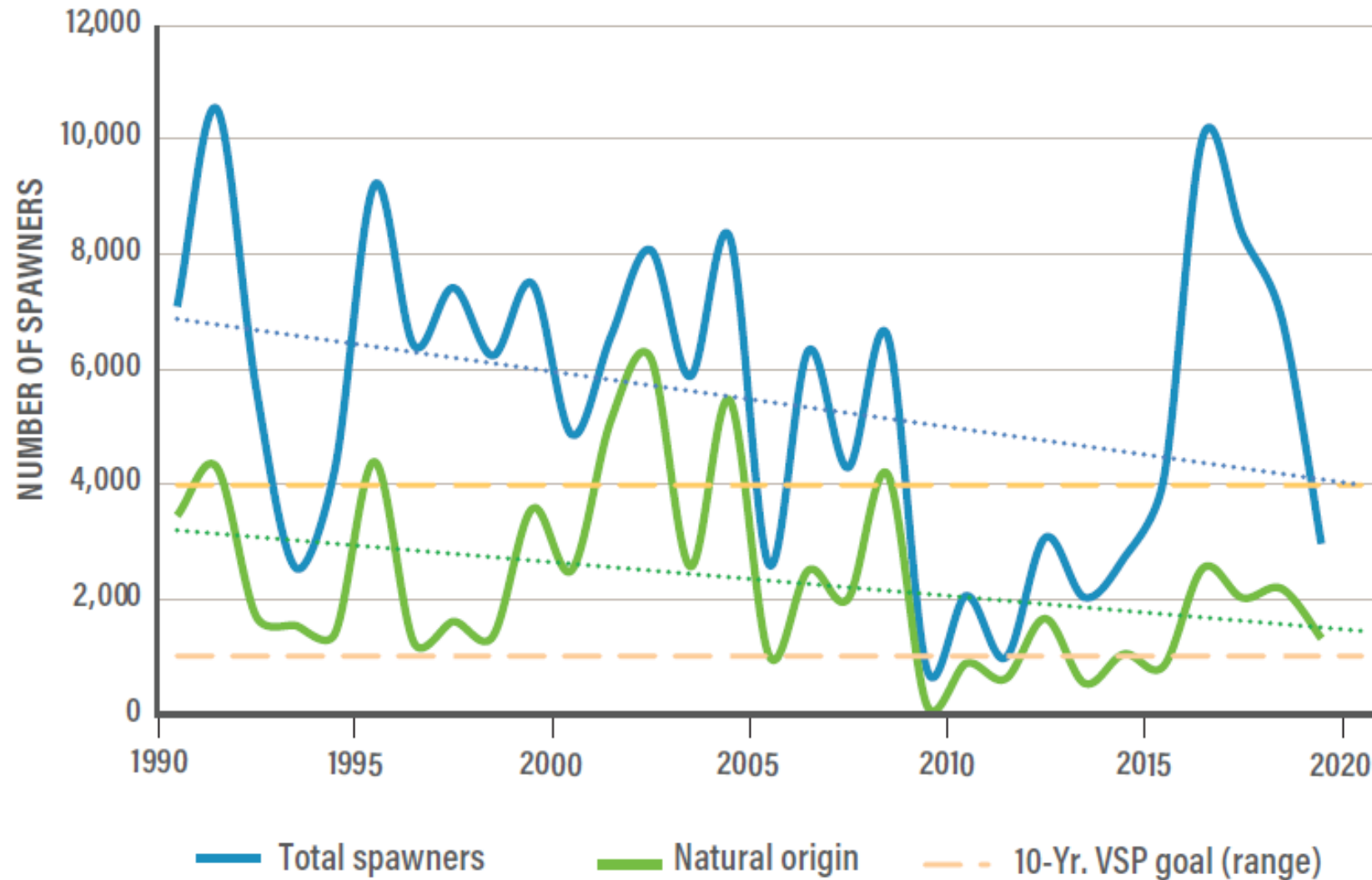


Lones Levee
Setback,
Middle Green



Fenster Park
Levee
Setback,
Auburn

Green River Chinook Salmon



Data Source: WDFW Salmonid Stock Inventory and NOAA Salmon Population Summary Database.

Looking Forward: Regional Projects of Significance

Lower Duwamish Clean-Up



Howard Hansen Dam Fish Passage



City of Tacoma Ratification Timeline

- 8/25 Initial Briefing – Public Utility Board
- 9/8 Passage of Resolution – Public Utility Board
- Q4/2021 Initial Briefing – City Council Subcommittee
- Q4/2021 Passage of Resolution – City Council



Questions?

WRIA 9

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