

# Lower Duwamish Waterway - Background

- 5-mile river segment listed due to historically contaminated sediments
- Legacy contamination - industrial discharges, stormwater, CSOs
- The Lower Duwamish Waterway Group (King County, City of Seattle, Port of Seattle, and Boeing) – formed in 2000 to work on sediment cleanup
- More than 100 “potentially responsible parties” identified by EPA to date



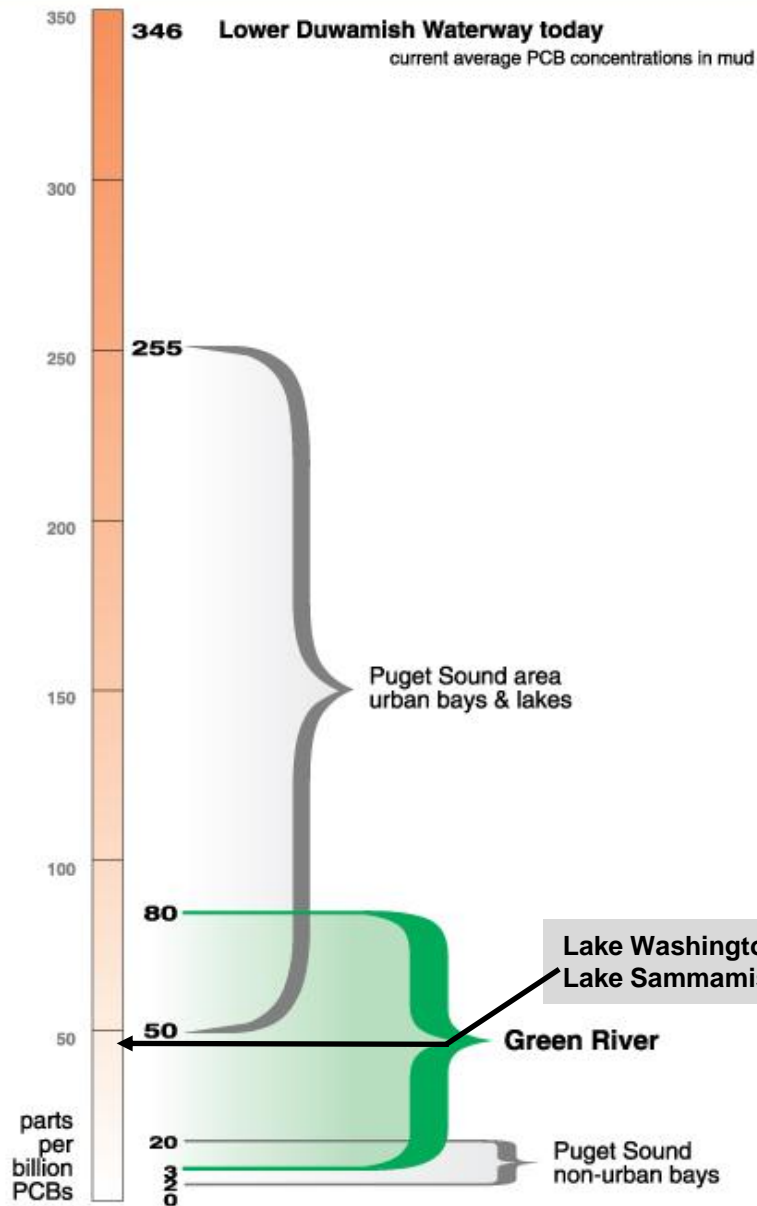
# How does the Duwamish Waterway compare to other areas?

## Sediment Goals

Early actions predicted to get waterway to this level

All alternatives in Feasibility Study predicted to get waterway to this level

EPA's proposed goal is 2 ppb total PCBs



# EPA Proposed Cleanup Plan: “5C-Plus”

- 7 years of construction and **\$305 million\***
- Combination of technologies (dredging, capping, etc.)
- Institutional controls to limit consumption of resident seafood
- Extensive monitoring and contingency requirements
- Source control program led by Ecology
- After 20-30 years:
  - Study whether additional cleanup is needed
  - Waive cleanup standards if natural background is not met

**\*LDWG estimates about \$369 M**

# Recommendations

Metric	LDWG Recommendations	EPA's Proposed Plan	FS Alternative 5R (Similar to DRCC)
Total Volume Dredged (cubic yards)	630,000	790,000	1,600,000
<b>Total Cost (\$millions, net present value)</b>	<b>\$260</b>	<b>\$305 +</b>	<b>\$470</b>
<b>Construction Time Frame (years)</b>	<b>5</b>	<b>7</b>	<b>17</b>
Carbon Emissions During Construction (metric tons)	25,000	31,000	59,000
PM10 Emissions During Construction (metric tons)	21	26	50
Average PCB (parts per billion)	40	40	40
Excess Cancer Risk (Adult Tribal )	$2 \times 10^{-4}$	$2 \times 10^{-4}$	$2 \times 10^{-4}$

# EPA's Proposed Plan – a good start

*How can it be improved?*

## LDWG COMMENTS:

- Set Achievable Goals
- Use technologies to decrease construction by two years, reducing impacts to the community and environment
- Achieve the same risk reduction, and faster (Risks are higher during construction)
- Provide a cost-effective approach to protect taxpayers, ratepayers, and the local economy

