# Watershed Management Plan Update



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# Land Acknowledgement

We acknowledge the land we are on as the ancestral homelands of the Coast Salish people, the traditional home of all tribes and bands within the Duwamish and Snoqualmie Indian Tribe.

We take this opportunity to honor and express our deepest respect to the original caretakers of this land; A people that are still here, continuing to honor their heritage.





# Agenda

- Background/Refresher
- Progress/Opportunities
- Challenges/Risks
- Next Steps/Path Forward





#### Watershed Management Plan (WMP) Goal:

# Improve the health of Bellevue's streams





# WMP Objectives:

- Optimize stormwater fund investments that will improve stream health over the next 20years
- Prioritize actions to improve stream health much <u>sooner</u> that under current approach
- Develop or change policies that allow for plan implementation





# Bellevue's Four Major Watersheds



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### Progress to Date





# WMP Framework





#### Watershed Management Plan Framework



#### Watershed Process Conceptual Model



# Accomplishments





#### Accomplishments – Assess & Prioritize

- Open Stream Condition Assessment:
  - Completed field portion of the Stream Condition Assessment (80 miles)
  - On schedule for data analysis and reporting
  - In-house development of GIS-based data dashboard to display and analyze data.





#### Accomplishments — Assess & Prioritize



Pieces of wood per mile

# Accomplishments — Assess & Prioritize

#### Dept of Ecology guidance:

"Give higher priority to basins with receiving waters that show low to moderate levels of impairment. These receiving waters are expected to benefit more quickly as a result of management actions.

- Watershed Prioritization Methodology
  - Improve
  - Protect
  - Sustain



# Accomplishments — Assess & Prioritize



Rating Sub-watersheds - Conceptual Model Score:	
Conceptual Model Stressor	Metric
Change in Flows	# Stormwater Outfalls
Streamside Alteration	% Vegetation
Pollutants	% Impervious Area Age of Development
Fish Passage Barriers	# of fish passage barriers



### Accomplishments – Assess & Prioritize



#### Incorporate:

- Conceptual Model Scores
- Public Engagement Values
- Assign Management Actions to inform Watershed Improvement Plans:
  - Improve
  - Sustain
  - Protect

# Accomplishments





#### Accomplishments - Toolbox, Opportunities and Risk

- Draft Toolbox completed includes:
  - Projects
  - Programs
  - Policies/Regulations/Standards
  - Maintenance Practices



#### Accomplishments – Early Action Investments

- Projects proposed in 2021-2027 CIP
  - Sturtevant Creek Retrofit (D-109 Water Quality Retrofit)
  - Coal Creek/I-405 Weirs (D-81 Fish Passage Improvement)
  - Coal Creek off-channel Sediment Pond Improvement (D-86 – Stream Channel Modification)





# Opportunities

- Improve public awareness of streams and stormwater though public engagement
- Incorporate social justice/equity into project prioritization
- Improved coordination with other City Department planning efforts

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Improve community engagement methods



# Challenges

- Loss of Institutional Knowledge
- ✤ Adapting to COVID-19
  - Work/Project Schedules
  - Field Work
  - Public Engagement





## Next Steps - Anticipated Schedule





### Questions/Discussion?



