

# Plan Update: Programs & Policies Workshop- Subwatershed Summaries

## *Marine Nearshore*

1. Shoreline Management Act Compliance
  - Enforcement, incentives, education
2. Homeowner Education & Outreach
  - Kitsap Co. Shore Friendly Program
  - Coordinated across WRIA 9 jurisdictions
3. Riparian and Bluff Restoration
  - Buy-outs, education, incentives
4. Information Sharing w/ Partner Jurisdictions
  - Technical support, recovery priorities, climate change
5. Research Needs
  - Non-natal estuary rearing habitat, soft-shore protection effectiveness, citizen science



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## *Duwamish Estuary*

1. NRDA/Superfund Coordination
  - Refocus WRIA 9 investments (MS-1)
2. Off-Site Mitigation
  - Net lift to salmon habitat? – e.g., Chinook Winds
3. Land Acquisition
  - Creativity and flexibility needed
4. Riparian Revegetation
  - Public/private partnerships, long-term maintenance, incentives
5. Stormwater Management & Source Control
6. Research Needs
  - Restoration design & fish use, fry survival



# Plan Update: Programs & Policies

## Workshop- Subwatershed Summaries

### *Lower Green*

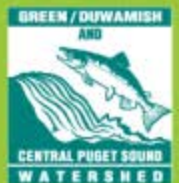
1. Coordinate revegetation efforts
  - Planting BMPs, education & outreach, public safety
2. Tributary Juvenile salmon rearing habitat
  - Barrier removal and restoration
3. Corridor planning & Levee Setbacks
  - Levee setback policy - maximizing project footprint, open space redevelopment
4. Education & Outreach
  - Elected officials, school programs, businesses
5. Research Needs
  - Sedimentation, restoration design & fish use, tributaries



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## *Middle Green*

1. Coordination between Ag & Salmon Interests
  - Intersection of APD/FPP and restoration potential
2. Rearing Habitat Drives Chinook Productivity
  - Protect existing habitat, regulated flows
3. Protect/Restore Coldwater Sources
  - Tributary health, wetlands restoration, etc.
4. Acquisition Strategy- Levee Setbacks
  - Align flood control and habitat restoration
5. Education & Outreach
  - School programs, community involvement in restoration



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## *Upper Green*

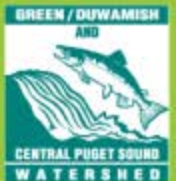
1. Innovative Stand Management
  - Hydrology modeling and climate change
2. Road Abandonment & Closure
  - Watershed-wide plan and prioritization
3. Land Acquisition and Checkboard Land Ownership
  - Landscape scale prioritization
4. Fish Passage
  - Opportunity to provide access to cold water refugia



# Nearshore Subwatershed

August → October

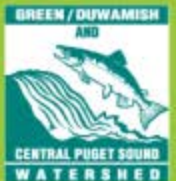
Current rosters



# Watershed-wide Policies & Programs

## Purpose

- *Guide salmon recovery funding*
- *Project support/rational*
- *Model policies*
- *Awareness*



# Watershed-Wide Policies

## 2005 Plan Structure

- *Scattered throughout plan (Ch 3, 5 & 8)*
- *Innovation, water qlty, fish passage, land use, education, management strategies, implementation (funding)*

*MS 1: Funding Policy – 40% transition zone | 30% rearing habitat | 30% spawning*

*IN6: Local gov't should evaluate shorelines and critical areas under public ownership prior to sale/exchange out of public ownership in light of salmon habitat priorities.*

*WQ4: Local gov'ts should assess current surface water standards, facilities, and programs and strengthen them where necessary to reduce entry of pollutants to salmon streams.*

*FPI: Local gov't should evaluate fish passage barriers, assess which are most important, and add high priority barrier to the CIP.*

*LU3: Increase the # of volunteer stewardship events, better promote the events, and strive to retain volunteers over time....*





# Watershed-wide Policies

## Policy Gaps?

- *Redevelopment of open space*
- *Infrastructure maintenance*
- *Equity and social justice*
- *Mitigation policy*
- *H-integration*
- *Others?*

## Other Ideas for Update

- *Reorganize*
- *Remove redundancy*



# Watershed-Wide Programs

## 2005 Plan Structure

– Chapter 7 → 16 programs

*WW-8 Increase involvement of volunteers in habitat stewardship*

*WW-9 Green/Duwamish volunteer revegetation program*

*WW-10 Support/expand the natural resource/basin steward program*

*WW-11 Expand/improve incentive programs*

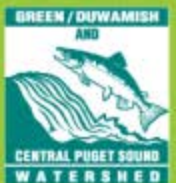
*WW-14 Provide incentives for developers to follow Built Green sections benefiting salmon*

*WW-15 Develop coordinated acquisition program for natural areas*



# 2005 WRIA 9 Salmon Habitat Plan Watershed-wide Program Evaluation

*Survey conducted between June and September 2015*

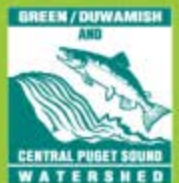


# Highest Rate of Implementation – Greater than 75%

- WW-12 – Improve enforcement of existing land use and other regulations
- WW-6 – Promote better volunteer carwash practices
- WW-13 – Increase use of low impact development and porous concrete
- WW-8 – Increase involvement of volunteers in habitat stewardship
- WW-4 – Increase/Expand Natural Yard Care Program for homeowners

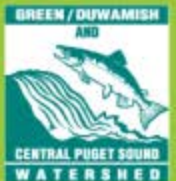
## Lowest Rate of Implementation – Less than 25%

- WW-14 – Provide incentives for developers to follow Built Green benefitting salmon
- WW-11 – Expand existing incentives and develop new incentives for property owners to protect salmon habitat
- WW-9 – Volunteer Revegetation Program
- WW-1 – Conduct shoreline stewardship workshops and outreach (100% of 5 marine shoreline cities)
- WW-2 – Increase/Expand indoor water conservation programs



# Recommendations for Salmon Habitat Plan Update

- Link program actions to responsible entities in the form of implementation strategies
- Indicate the priority of implementing programs and the priority areas within the watershed
- Identify businesses that can play a major role in implementing programs to recover salmon
- Service providers should collect information about their services by/within WRIA 9
- Provide information about the amount of resources needed to fully implement programs
- Increase basin stewardship in the Duwamish and mainland Nearshore areas

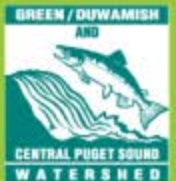


# Recommendations for Salmon Habitat Plan Update

- Increase incentives for property owners
- Identify corridors of natural areas important to protect and restore salmon habitat across boundaries
- Highlight programs that are easily applicable and adaptable to other entities and service providers

## Overarching Conclusion

Plan Update should more specifically correlate program recommendations to the responsible entities and service providers, and indicate where the programs are most needed. Moreover, the Update should estimate the resources needed to adequately implement programs and identify existing model programs that are applicable to apply in WRIA 9.



# Watershed-wide Programs

## Gaps?

- *King County Land Conservation Initiative*
- *Watershed Restoration & Enhancement plan (Hirst decision)*
- *Model incentive programs (green building & stormwater)*
- *Salmon Safe certification (farms & jurisdictions)*
- *Stormwater retrofits*
- *Others?*

## Other Ideas for Update

- *Remove redundancy, add specificity for owner(s) and cost*
- *Update based on existing programs (e.g., basin stewards, Regreen the Green)*

