Lamprey Management in Portland

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ENVIRONMENTAL SERVICES
CITY OF PORTLAND
working for clean rivers
Documented Lamprey Presence in Portland
USFWS Willamette Study

• Probabilistic sampling from Falls to Mouth, including Multnomah Channel using deepwater shocker
• Strata: Mouth, Superfund, Upper, Multnomah Channel
• 208 quadrats sampled
• Ammocoetes detected in all strata except Multnomah Channel
  – excluding Multnomah Channel, lamprey detected in ~8% of quadrats
  – Pacific and Western Brook Lamprey detected
  – Found in depths up to 16 m, no difference in detection probability with depth
Conclusions

• “…highlights the importance of Willamette River mainstem areas, including the impaired Superfund reach, as rearing habitat and not just as a migration corridor.” p. 21

• Further research on lamprey movements through mainstem habitats is warranted
  – Columbia River, above/below hydropower projects, migration distance, passage routes, survival rates
Managing for what we know

- North Reach Plan
  - Multiple jurisdictions regulate the river
  - Industry argued that regulations were duplicative and redundant
  - ODFW has jurisdiction over state-owned lands (i.e. DSL submerged lands) but currently exercises that jurisdiction in a consultative fashion to DSL for removal-fill permits
  - CoP only entity with regulatory jurisdiction over lamprey (and other state species).
Managing for what we know

• Projects
  – Tryon Creek Culvert improvements/retrofits
  – Fish Passage for salmon and lamprey ex: Crystal Springs

• Fish Salvage
Where we could improve

• Directed Salvage
  – Partner with tribes and USFWS?

• Substantive requirements through Cleanup – Zidell example

• Full Scale research in mainstem Willamette
  – Effect of the Salmon study on management as precedence