

November 28, 2006

Smolt Funding Request Summary

This package will fund smolt monitoring that is needed to provide quantitative population estimates for listed populations in the Skagit, Dungeness, Cedar, and Green systems.

As part of a broader coalition-based monitoring package to OFM on behalf of the Governor's Monitoring Forum, the Washington Department of Fish and Wildlife has submitted a budget package for the 07-09 Biennium to continue smolt production estimates for primary listed populations in the Skagit and Dungeness systems. This Salmon Recovery Funding Board (SRFB) request will provide stopgap funding for 2007 in the Skagit and Dungeness systems. This SRFB request will also fund smolt production estimates for non-primary listed populations in the Cedar Creek and Green River systems.

Skagit River	\$144,152
Dungeness River	\$79,892
Green River	\$94,000
<u>Cedar Creek</u>	<u>\$40,000</u>
Total SRFB Request	\$358,044



Smolt Monitoring

For the:
Salmon Recovery Funding Board

December 2006

To Review...

- WDFW request for SRFB funding for smolt monitoring at four locations:
 - Dungeness;
 - Skagit;
 - Green; and
 - Cedar
- Request is for the Current FY07 Fiscal Year
- Original request to the SRFB in April, 2006 (FY06)
- Request is for \$358,044



How is Smolt Monitoring Funded?

- WDFW 07/09 Biennial Budget Package
 - Governor's Forum on Monitoring;
- Bonneville Power Administration;
- In-kind monitoring by tribes/federal agencies;
- Dedicated Funding;
 - i.e., mitigation funds
- Salmon Recovery Funding Board (since 2000).



How is Smolt Monitoring Data Used?

- 1. Identify Recovery Needs:
 - Conduct fish-in/fish-out monitoring on at least one primary population in each Major Population Group.
 - *Governor's Forum Framework/ TRT recommendations*
- 2. Continue historic status/trend datasets
 - Assess population response in non-IMWs
 - Fisheries Management
 - Mitigation Monitoring
 - Local watershed needs, and

Measure and report progress towards recovery!!



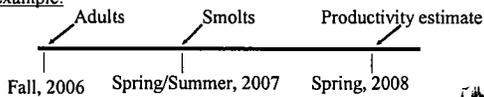
What does "Fish-In/Fish-Out" mean?

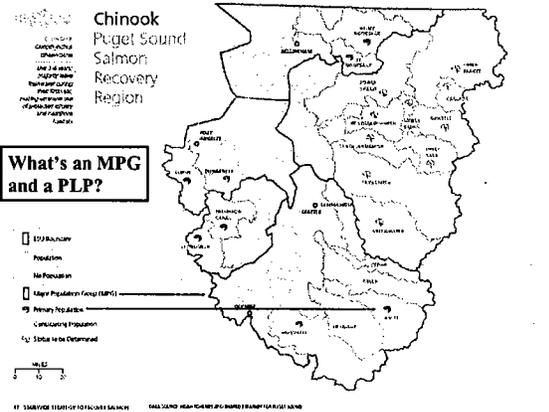
We monitor both smolt out-migration
And adult escapement in the same population

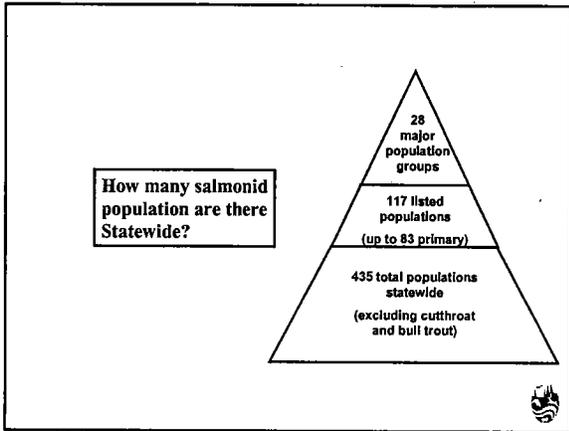
In order to measure:

- Smolt Abundance;
- Spawner Abundance; and
- Habitat/Population Productivity (smolts/spawner).

For Example:







Statewide Monitoring of Listed Populations

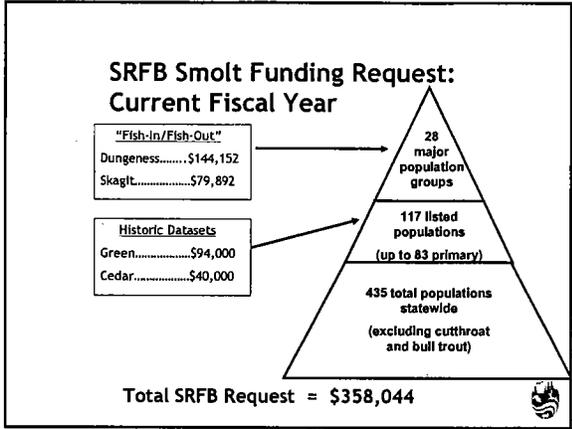
Statewide Monitoring of listed species - Juveniles & Adults

NADP ID	NADP Name	NADP Type	NADP Species	NADP Status	NADP Location	NADP Management	
						Primary	Secondary
Puget Sound	North Sound	1 to 7	Chinook	NP Hatchery SP Hatchery	Shelburne	Production	Production
N. Valley Delta	1 to 7	Chinook	NP Hatchery SP Hatchery NP Hatchery SP Hatchery NP Hatchery	Shelburne	Production	Production	
				Shelburne	Production	Production	
				Shelburne	Production	Production	
				Shelburne	Production	Production	
				Shelburne	Production	Production	
Central/South Sound Delta	1 to 11	Chinook	N/A	Crater River	Production	Production	
				Crater River	Production	Production	
				Crater River	Production	Production	
				Crater River	Production	Production	
				Crater River	Production	Production	
Franklin	1 to 11	Chinook	N/A	Crater River	Production	Production	
				Crater River	Production	Production	

Which Populations should we use to monitor "fish-in/fish-out?"

Evaluation Criteria:

- Multiple listed species/primary populations at the site;
- Ability to distinguish hatchery from wild fish (marked hatchery fish);
- Logistics
 - Employee Safety;
 - Site Security;
 - Cost-Effectiveness



Questions?