

Managing for Success Tool

Accountability and Transparency

Hatchery Reform

October 28, 2005



Challenge for Hatchery Reform Initiative

- # Implement 1,100 actions
 - Complex and that continue over a long period of time
 - # Continue support and funding for implementation
 - # Explain what is needed and why
 - # Stay on track for the long term
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HSRG - Scientific Framework

“To be successful... accountability for decisions and actions is required at all levels...

... will require an accurate and timely information management system that can measure benefits, evaluate actions and provide information for hatchery management and operations.”

Managing for Success Tool

Phase 1

- # Focus on implementation
 - Goals, Actions, Requirements
 - # Transparent and accountable
 - # Status report at watershed level
 - # Web accessible
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Managing for Success Tool

- # Identifies 1,100 actions
 - Coastal and Puget Sound hatcheries
 - # Potential for harvest and habitat actions
 - # Partnership with Northwest Power and Conservation Council can provide statewide view
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Managing for Success Tool

Provides the capability to track:

- Goals for watershed
 - Current population status
 - Actions needed
 - Importance of each action
 - What it takes implement
 - Progress toward goals
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Managing For Success

Prepared for:
WDFW and The NW Power Planning Council
Prepared by:
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- [Home](#)
- [MFS](#)
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- [HGMP](#)
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MFS Report Login

Identify

Province

Puget Sound

Stock:

**Stillaguamish/Snohomish
Summer Chinook**

Region:

Snohomish/Skykomish

Username

Public

Password:

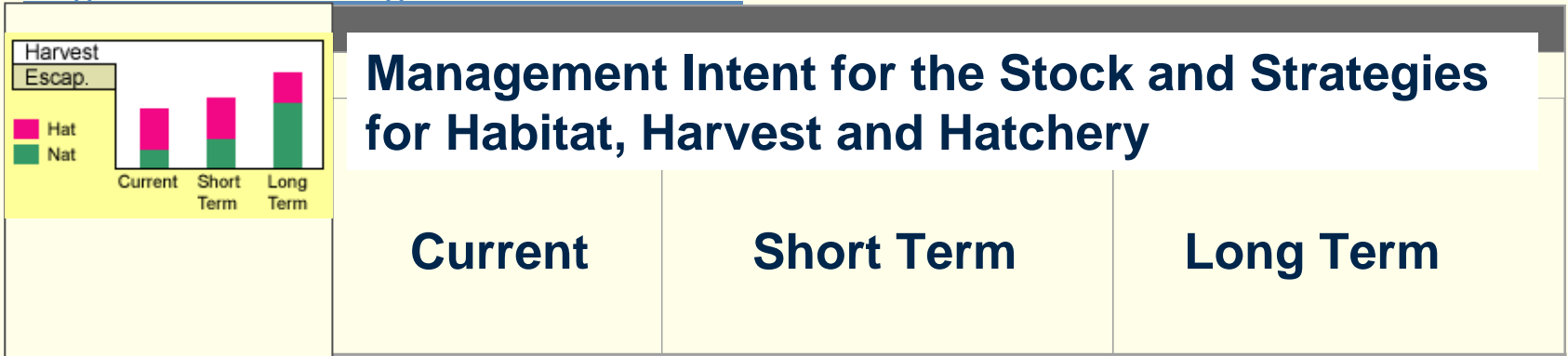
Login

Managing For Success

Snohomish/Skykomish Summer Chinook

Puget Sound Chinook, Listing Status: Threatened

[Puget Sound > Stillaguamish/Snohomish](#)



HATCHERY REPORTS



[Action Reports](#)

[Outcome Report \(to come\)](#)

HABITAT REPORTS



[Action Reports \(to come\)](#)

[Outcome Reports \(to come\)](#)

HARVEST REPORTS



[Action Reports \(to come\)](#)

[Outcome Reports \(to come\)](#)

Report Layers

Hatchery Actions

- List of actions, phase, regulatory requirements, costs

Action Detail

- Description, Target Stocks, Affected stocks, Operations or Capital cost, Prioritization, Intent of Action, Cost, Status, Required, Recommended
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Managing For Success – Hatchery Actions

Action Name	Primary Hatchery Response	Current Phase	Reg. Req.	Total Capital Costs
<u>Broodstock management Skykomish Summer Chinook</u>	TODO	Proposed		
<u>Broodstock source and timing Skykomish Summer Chinook</u>	TODO	Proposed	• ESA	
<u>Broodstock source Skykomish Summer Chinook</u>	TODO	Proposed	• ESA	
<u>Disease control/smolt quality Skykomish Summer Chinook -A</u>	TODO	Proposed		\$0.00
<u>Disease control/smolt quality Skykomish Summer Chinook -B</u>	TODO	Construction		\$90,000.00
<u>Escapement surveys Skykomish Summer Chinook</u>	TODO		• ESA	
<u>Hatchery discharge compliance Skykomish Summer Chinook</u>	TODO	Design/ Permitting	• CWA	\$0.00

MFS-Hatchery Report: Action Detail

Description	Improve broodstock management to ensure that the hatchery stock remains truly integrated with the naturally spawning stock. Introduce an average of 10% naturally spawning fish into the hatchery broodstock each year for on-station releases. Sunset Falls currently appears to be the best choice for this broodstock source.
Action Categories	<ul style="list-style-type: none">• Conservation/Compliance
Targets Stocks	<ul style="list-style-type: none">• Snohomish/Skykomish Summer Chinook
Affects Stocks	
Cost Category	Operations
Hatchery Controls	Intensity: 1 Control Name: Number of NOBs in broodstock

Intent of Action

Hatchery Responses

- Nbr & lbs of fish caught.
- Lost adult production of affected stock due to predation
- Abundance of natural spawners (NORS&HORS on nat. spawn grounds)
- Distributions of HORS&NORS on spawning grounds
- Genetic diversity of the natural stock
- Catch distr.by fishery
- Composition of natural spawners (pHOS)
- Smolt-adult surv. (of HORs)

Indicators

- Survival, incubation to release
- Fish health status
- Reproductive success of HORs
- Abundance of returning HORs
- Morphological, eg (WFT)
- Life history traits of returning HORs
- Physiological, eg (WFT)
- Juvenile behavioral char. (WFT)
- Genetic diversity of HORs

Phase	Cost	Year	Funding Source
Proposed			
Funded			
In Progress			
Completed			
Comments			
Required by:		ESA	
Recommended by		RMP	

HATCHERY REPORTS



Action Reports

Outcome Reports

Outcome Reports

By stock, By watershed:

- # Progress on implementation
 - # ESA threats that have been addressed
 - # Priority actions that still must be completed
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Next Steps

- # Complete Phase 1
 - # Pilot as a reporting tool
 - WDFW actions – statewide
 - Government, Management, Accountability and Performance (GMAP)
 - State salmon recovery action plans
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Managing for Success Tool

- # Transparent and accountable
 - # Focuses on implementation
 - # Web accessible
 - # Governor's GMAP
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