

WRIA 8 Salmon Conservation Plan Update -- Status

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Purpose of today's presentation:

Update WRIA 8 Salmon Recovery Council on Plan update process, products, and next steps



Background



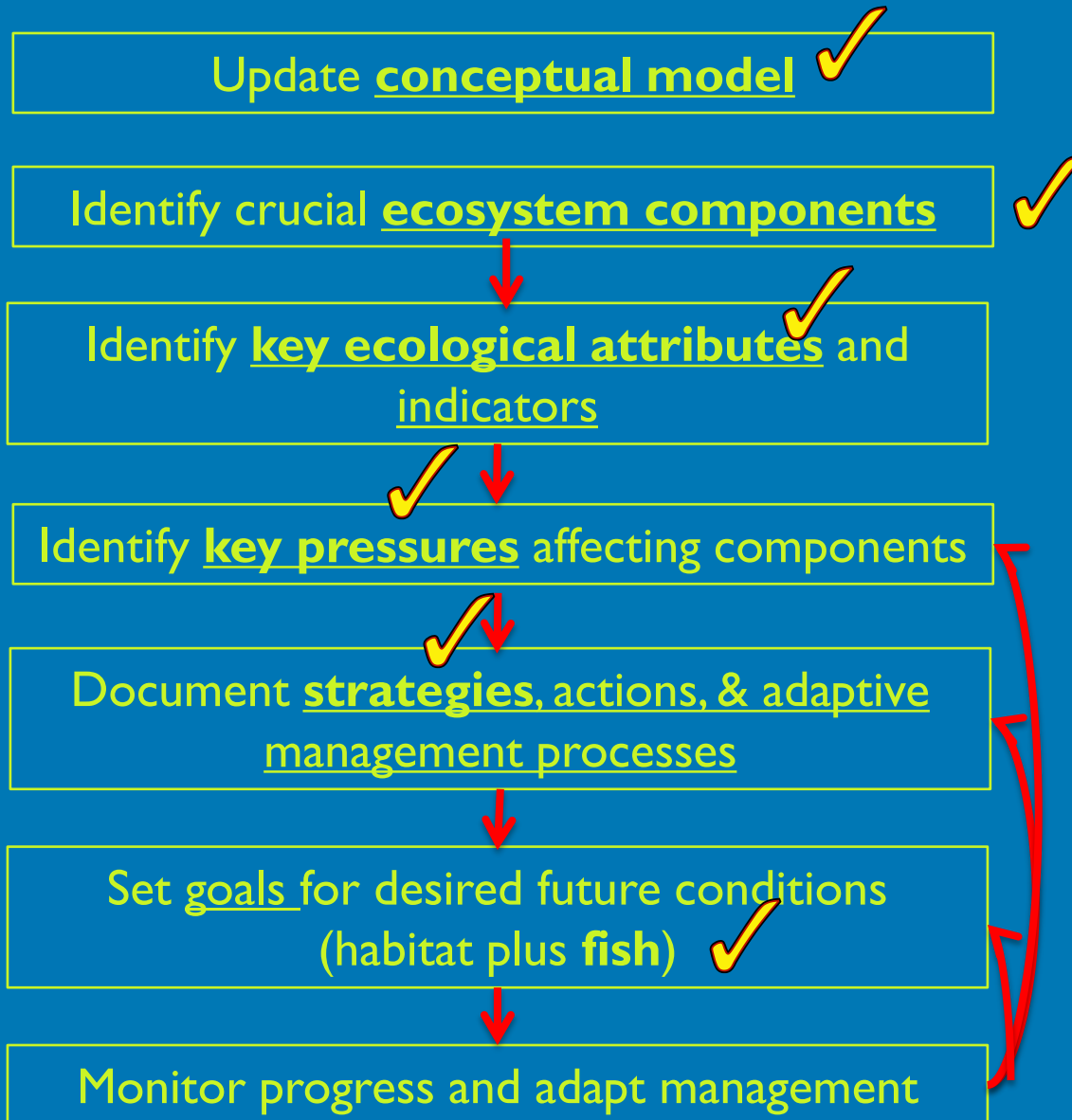
- 2005 WRIA 8 Plan required a 10-year review
- Puget Sound Partnership awarded \$105k to WRIA 8 to assist development
- Builds on Phase I work also supported by PSP (2013-14)

Progress since July

- Conceptual Model is published on web
- Joint Technical/Implementation Committee Strategies **Workshop** is complete
- TC has completed **pressure assessment**
- TC has drafted updated **strategies** list
 - *Will work with IC to finalize*
- TC working on **habitat goals**
- Team assembled to draft plan update narrative



Summary



Questions ... and answers

Key takeaways from conceptual model?

Key takeaways from pressure assessment?

What is a goal? What is a strategy?

Status of habitat goals?

Key takeaways from **conceptual model**

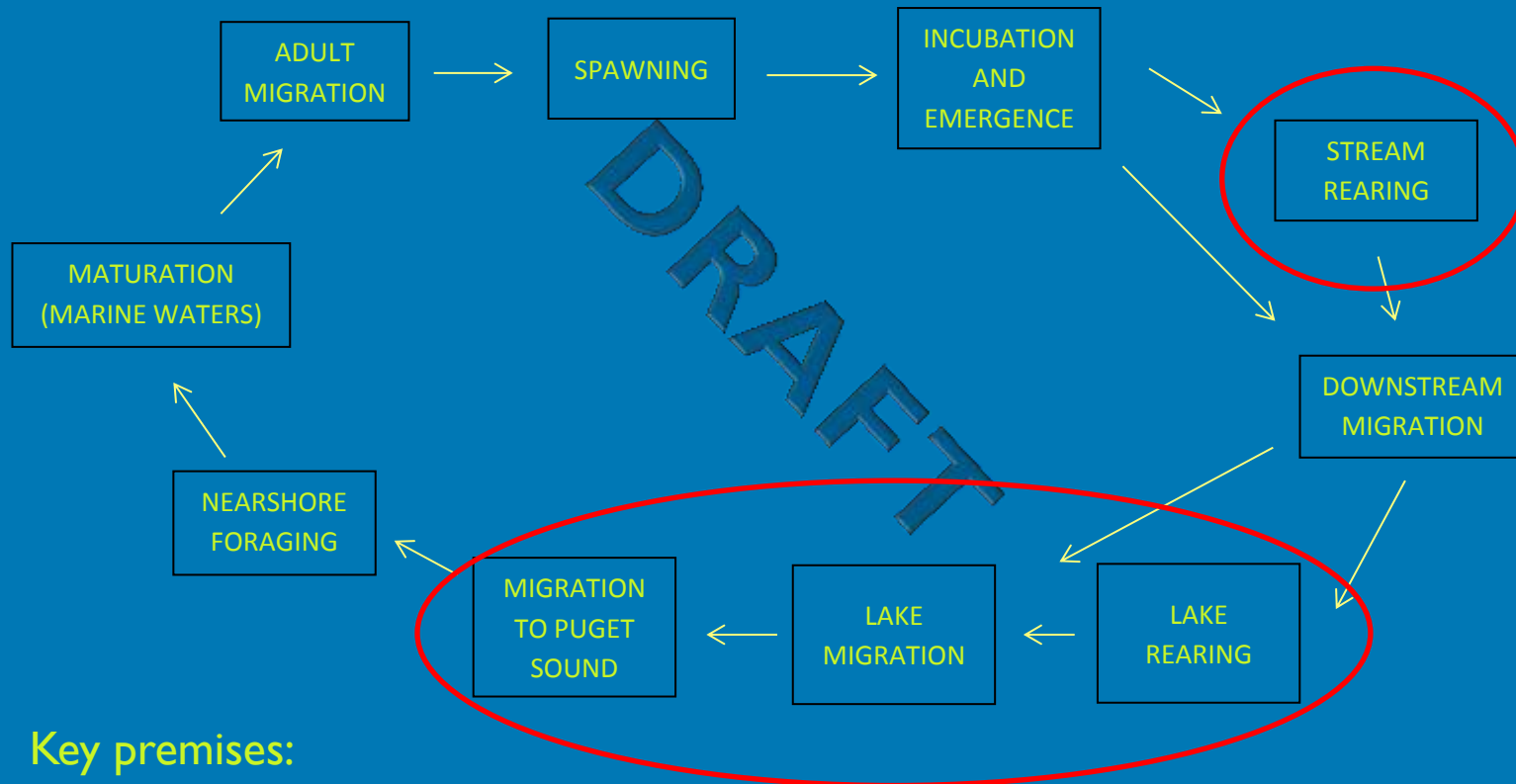
Most important life stages are:

- **INSTREAM REARING**
- **LAKE REARING/MIGRATION**
- **MIGRATION TO PUGET SOUND**

These are the key bottlenecks for Chinook salmon in WRIA 8.



Conceptual Model: Life cycle of WRIA 8 Chinook salmon



1. Each life stage occupies specific geographies and residence periods.
2. Key stressors (priorities) vary by geography and life stage.
3. Rationale for actions and monitoring must account for (1) and (2).

9/19/2016



Key takeaways from pressure assessment

Most severe pressures are:

- Passage at the Locks
- Altered freshwater flows
- Changes in air and water temperature
- Conversion of land cover
- Shoreline hardening – rivers and lakes
- Predation (including light)

For maximum benefit to Chinook salmon, these pressures must be addressed at specific places and times in the watershed



A STRATEGY is a group of actions with a common focus that work together to reduce pressures or otherwise restore Chinook populations or their habitat.

Examples:

- Protect/restore floodplain connectivity
- Protect/restore riparian vegetation to improve buffer functions
- Reduce predation of juvenile migrants and lake-rearing fry



A GOAL is a formal statement describing specific, time-bound and measurable future status of each component needed to reach Chinook recovery.

Habitat components: rivers and stream channels, Lakes Washington and Sammamish



Examples of Possible Habitat Goals

Component	Goal	Potential Indicators
Large Channels (Cedar)	X% increase in functional floodplain area by 2025, 2050	Floodplain connectivity Riparian cover Wood volume
Large Channels (Sammamish)	X% improvement in channel conditions by 2025, 2050	Sinuosity Riparian cover Cold water inputs
Small Channels (T1)	X% increase in functional stream habitat (stream miles) by 2025, 2050	Wood volume Pools per 100m Riparian cover Sediment quality
Small Channels (T2)	X% increase in functional stream habitat (stream miles) by 2025, 2050	Wood volume Pools per 100m Riparian cover Sediment quality



Next steps

- TC will forward strategies list to IC
- TC to continue working on habitat goals, engage IC
- TC to work on indicators and monitoring recommendations
- Team to draft plan update narrative
- Further review by SRC and committees

