

Salmon FMP Amendment 16: Tentative range of alternatives for public review. Based on Council staff interpretation of motion 3 and amendments at the September 2010 Council meeting.

Classifying Stocks in the FMP

Alternative 1

Status Quo

All stocks currently in FMP remain in the fishery.

Alternative 2

Minor reorganization + 3 Complexes

Smith River Chinook separated from CA coastal Chinook (ESA listed); Rogue coho out of OCN, into SONCC; CVF, SONC, FNMSS Chinook complexes

Alternative 3

Ecosystem Components + 2 Complexes

Smith River Chinook, Rogue coho same as Alt. 2; Non-ESA FNM Chinook and pink are EC; CVF, SONC Chinook complexes

Preliminary Preferred Alternative

All stocks currently in FMP remain in the fishery Minor reorganization + 2 Complexes and no Ecosystem Components

Smith River Chinook separated from CA coastal Chinook (ESA listed); Rogue coho out of OCN, into SONCC; CVF, SONC Chinook complexes

International Exceptions

Alternative 1

Status Quo

None Specified

Alternative 2

Non-ESA PST stocks

URB, CR Summers, OR/WA Coastal fall, Canadian Chinook;

WA Coastal, Puget Sound, Canadian coho;

Puget Sound and Canadian pink salmon

Alternative 3

Non-EC PST stocks

CR Summers, Canadian Chinook;

WA Coastal, Puget Sound, Canadian coho

Preliminary Preferred Alternative

Non-ESA PST stocks - 14 Chinook, 11 coho and 2 pink

URB, CR Summers, OR/WA Coastal fall, Canadian Chinook;

WA Coastal, Puget Sound, Canadian coho;

Puget Sound, Canadian pink

Status Determination Criteria for Overfishing and Overfished

Alternative 1

Status Quo - SDC Not explicit in FMP

Overfishing: STT Assessment

Overfished: STT Assessment, Overfishing Concern triggered (3 consecutive years < conservation objective)

Approaching Overfished: 2-years below conservation objective and Conservation Alert triggered

Rebuilt: Spawning escapement > conservation objective (single year) or rebuilding plan

Alternatives 2 & 4

Single-year; MSST = $0.5 * S_{msy}$ (Alt 2) & $0.75 * S_{msy}$ (Alt 4)

Overfishing: Exploitation rate > F_{msy}

Overfished: Spawning Escapement < MSST

Approaching Overfished: Projected spawning escapement < MSST

Rebuilt: Spawning Escapement > S_{msy}

Alternatives 3 & 5 & 8

3-year Geo Mean; MSST = $0.5 * S_{msy}$ (Alt 3) & $0.75 * S_{msy}$ (Alt 5) & $0.86 * S_{msy}$ (Alt 8)

Overfishing: Exploitation rate > F_{msy} (single-year)

Overfished: 3-year GeoMean Spawning Escapement < MSST

Approaching Overfished: Recent 2-year and projected GeoMean spawning escapement < MSST

Rebuilt: 3-year GeoMean spawning Escapement > S_{msy}

NEW Alternatives 6 & 7

3-year Arithmetic Mean; MSST = $0.5 * S_{msy}$ (Alt 6) & $0.75 * S_{msy}$ (Alt 7)

Overfishing: Exploitation rate > F_{msy} (single-year)

Overfished: 3-year arithmetic mean Spawning Escapement < MSST

Approaching Overfished: Recent 2-year and projected arithmetic mean spawning escapement < MSST

Rebuilt: 3-year arithmetic mean spawning Escapement > S_{msy}

Preliminary Preferred Alternative

Blend of 3-year Arithmetic Mean and single year; MSST = $0.5 * S_{msy}$

Overfishing: Exploitation rate > F_{msy} (single-year)

Overfished: 3-year Arithmetic Mean Spawning Escapement < MSST

Approaching Overfished: Recent 2-year and projected Arithmetic Mean spawning escapement < MSST

Rebuilt: Spawning Escapement > S_{msy} (single-year)

OFL, ABC, and ACL Specification

Alternative 1

Status Quo - Not Defined in FMP

None Specified

Alternative 2

Catch-Based (C-Based)

OFL: $F_{msy} * N$

ABC: $F_{abc} * N$: $F_{abc} = F_{msy} * 0.95$ (Tier 1 stocks; KRFC) or $F_{abc} = F_{msy} * 0.90$ (Tier 2 stocks; SRFC, Hoh or FNM SpSu)

ACL: $F_{abc} * N$

Alternative 3 - Preliminary Preferred

Spawning escapement-Based (S-Based)

OFL: $(1 - F_{msy}) * N$

ABC: $(1 - F_{abc}) * N$: $F_{abc} = F_{msy} * 0.95$ (Tier 1 stocks; KRFC) or $F_{abc} = F_{msy} * 0.90$ (Tier 2 stocks; SRFC, Hoh or FNM SpSu)

ACL: $(1 - F_{abc}) * N$

Accountability Measures

Alternative 1

Status Quo

Target conservation objective except at low abundance

No current FMP measures specified as AM.

Alternative 2 - Preliminary Preferred

Modify Overfishing Criteria

Target Conservation Objective except at high (ACL) or low (de minimis) abundance

Rename Overfishing Concern to Abundance Alert

Increase flexibility to implement *de minimis* fisheries under Conservation Alert (delete fishery closure requirement)

Retain notification measures, other current FMP measures

Reevaluate ACL if exceeded more than 1 in 4 years: Uncertainty tiers, ACT, S/R update, etc.

Alternative 3

Replace Overfishing Criteria

Target Conservation Objective except at high (ACL) or low (de minimis) abundance

Eliminate Conservation Alert, Overfishing Concern and associated actions

AM for SDC would be developed

AM for ACL would include other current FMP measures

Reevaluate ACL if exceeded more than 1 in 4 years: Uncertainty tiers, ACT, S/R update, etc.

De minimis Fishing Provisions

Stock specific abundance levels identified represent approximate examples under the assumption that $MSST=0.5*Smsy$ unless otherwise noted.

Alternative 1

Status Quo

SRFC: 0% SRR below 122K

KRFC: A-15; ~25% SRR between 47K and 30K, less below 30K

US v Wash, Hoh v Baldrige: No Change

Alternative 2

No fishing below midpoint of $Smsy-MSST$

SRFC: 25% SRR between 162.7K and 122K, 0% at 91.5K

KRFC: 25% SRR between 54.3K and 40.7K, 0% at 30.5K

US v Wash, Hoh v Baldrige: No Change

Alternative 2b

No fishing below midpoint of $Smsy-MSST$; KRFC conservation objective = 35K

SRFC: 25% SRR between 162.7K and 122K, 0% at 91.5K

KRFC: 25% SRR between 46.7K and 40.7K, 0% at 30.5K

US v Wash, Hoh v Baldrige: No Change

Alternative 3

No fishing below MSST

SRFC: 25% SRR between 162.7K and 81.3K, 0% at 61K

KRFC: 25% SRR between 54.3K and 27.1K, 0% at 20.35K

US v Wash, Hoh v Baldrige: No Change

Alternative 3b

No fishing below MSST: KRFC conservation objective = 35K

SRFC: 25% SRR between 162.7K and 81.3K, 0% at 61K

KRFC: 25% SRR between 46.7K and 27.1K, 0% at 20.35K

US v Wash, Hoh v Baldrige: No Change

Alternative 4

No fishing below 1/2 of MSST

SRFC: 25% SRR between 162.7K and 40.7K, 0% at 30.5K

KRFC: 25% SRR between 54.3K and 13.6K, 0% below 10.2K

US v Wash, Hoh v Baldrige: No Change

Preliminary Preferred Alternative

No defined structure for reducing F below 25% when below midpoint of $Smsy$ and MSST; KRFC conservation objective = 35K

SRFC: 25% SRR between 162.7K and 91.5K, $F < 25%$ below 91.5K

KRFC: 25% SRR between 46.7K and 30.5K, $F < 25%$ below 30.5K

US v Wash, Hoh v Baldrige: No Change

For the purpose of implementing de minimis fishing provisions Cape Falcon will be the northern limit for impacts counted toward SRFC and KRFC allowable F.