

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

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 coho;

Puget Sound and Canadian Pink

Alternative 3

Non-EC PST stocks

CR Summers, Canadian Chinook;

WA Coastal, Puget Sound 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 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

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

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

Overfished: 3-year GeoMean Spawning Escapement < MSST

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

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

Analysis of all SDC alternatives includes S_{msy} assumptions in Table 2-8 and 2-9, plus an assumption of KRFC $S_{msy} = 35,000$

Include language defining Cape Falcon as northern limit for impacts counted toward SRFC and KRFC for Overfishing SDC, ACL compliance, and *de minimis* provisions

OFL, ABC, and ACL Specification

Alternative 1

Status Quo - Not Defined in FMP

None Specified

Alternative 2

Catch-Based (C-Based)

OFL: Fmsy

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

ACL: $F_{abc}*N$

Alternative 3 - Preliminary Preferred

Spawning escapement-Based (S-Based)

OFL: Fmsy

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

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

Include language defining Cape Falcon as northern limit for impacts counted toward SRFC and KRFC for Overfishing SDC, ACL compliance, and *de minimis* provisions

Accountability Measures

Alternative 1

Status Quo

Target conservation objective except at low abundance

Specify current FMP measures as AM: SAFE Report, Methodology Review, Notice to Managers, OF'ing and EFH Assessments, Conservation Alert action, Inseason authority, etc.

Alternative 2 - Preliminary Preferred

Modify Overfishing Criteria

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

Rename OF'ing Concern to Abundance Alert

Increase flexibility to implement *de minimis* fisheries under Conservation Alert

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 (demin) abundance

AM for SDC would be developed

AM for ACL would include other current FMP measures

Retain 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

Alternative 1

Status Quo

SRFC: 0% SRR below 122K

KRFC: A-15; ~26% 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 163K and 122K, 0% at 91.5K

KRFC: 25% SRR between 54K 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 Smsy = 35K (add line to Table 2-9)

SRFC: 25% SRR between 163K and 122K, 0% at 91.5K

KRFC: 25% SRR between 47K and 35K, 0% at 26.25K

US v Wash, Hoh v Baldrige: No Change

Alternative 3

No fishing below MSST

SRFC: 25% SRR between 163K and 76K, 0% at 61K

KRFC: 25% SRR between 54K and 25.4K, 0% at 20.35K

US v Wash, Hoh v Baldrige: No Change

Alternative 3b

No fishing below MSST: KRFC Smsy = 35K (add line to Table 2-9)

SRFC: 25% SRR between 163K and 76K, 0% at 61K

KRFC: 25% SRR between 47K and 26.25K, 0% at 17.5K

US v Wash, Hoh v Baldrige: No Change

Alternative 4

KRFC No fishing below 1/2 of MSST

SRFC: 25% SRR between 163K and 45K, 0% at 30.5K

KRFC: 25% SRR between 54K and 15K, 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-MSST

SRFC: 25% SRR between 163K and 91.5K, F < 25% below 91.5K

KRFC: 25% SRR between 47K and 26.25K, F < 25% below 26.25K

US v Wash, Hoh v Baldrige: No Change

Include language defining Cape Falcon as northern limit for impacts counted toward SRFC and KRFC for Overfishing SDC, ACL compliance, and *de minimis* provisions