

PROPOSED AGENDA

COASTAL PELAGIC SPECIES ADVISORY SUBPANEL

Pacific Fishery Management Council
Online Meeting
March 2, 2021

Instructions on how to connect to advisory body meetings will be posted on the Council's [March 2021 meeting webpage](#) prior to the first day of the meeting. Coastal Pelagic Species Advisory Subpanel (CPSAS) meetings are open to the public and there will be one daily opportunity for public comment. Specific times on this agenda are subject to change once the meeting begins. Agenda items listed under the Advisory Body Administrative Matters are in numerical order; other agenda items reflect their Council Meeting Agenda numbering. Breaks will be taken as necessary, at the discretion of the Chair.

Tuesday, March 2, 2021 – 8:00 a.m.

CPSAS Administrative Matters

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| 1. Roll Call, Introductions, Announcements | Kerry Griffin |
| 2. Agenda Overview, Assign Rapporteurs | David Crabbe |

C. Administrative

- | | |
|---|---------------|
| 1. Report of the ONMS (<i>Attend Habitat Committee Session</i>) (8:45 a.m.; Report to Council Thursday, March 4) | Lisa Wooninck |
| 2. Marine Planning Update (<i>Attend Habitat Committee Session</i>) (9:15 a.m.; Report to Council Friday, March 5) Briefing February 24 | |

CPSAS Administrative Matters (continued)

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| 3. Discussion and Develop Supplemental Reports on C.1 and C.2 (10 a.m.) | All |
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PUBLIC COMMENT PERIOD

11:30 a.m.

LUNCH

I. Ecosystem

1. California Current Ecosystem and Integrated Ecosystem Assessment (IEA)
Annual Report and Science Review Topics
(1 p.m.; Report to Council Wednesday, March 10)
[Briefing](#) February 23

2. Climate and Communities Initiative Update Diane Pleschner-Steele
(1:30 p.m.; Report to Council Wednesday, March 10)

3. Fishery Ecosystem Plan Five-Year Review – Final Action
(2 p.m.; Report to Council Wednesday, March 10)
[Briefing](#) February 22

CPSAS Administrative Matters (continued)

4. Finalize Supplemental Reports All
(3 p.m.)

C. Administrative (continued)

5. Future Council Meeting Agenda and Workload Planning Kerry Griffin
(4:30 p.m.; Report to Council Thursday, March 11)

Adjourn

PFMC
02/09/2021

PROPOSED AGENDA

Coastal Pelagic Species Management Team

Pacific Fishery Management Council
Online Meeting
March 2, 2021

Instructions on how to connect to advisory body meetings will be posted on the Council's [March 2021 meeting webpage](#) prior to the first day of the meeting. Coastal Pelagic Species Management Team (CPSMT) meetings are open to the public and there will be one daily opportunity for public comment. Specific times on this agenda are subject to change once the meeting begins. Agenda items listed under the Advisory Body Administrative Matters are in numerical order; other agenda items reflect their Council Meeting Agenda numbering. Breaks will be taken as necessary, at the discretion of the Chair.

Tuesday, March 2, 2021 – 8:00 a.m.

CPSMT Administrative Matters

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| 1. Roll Call, Introductions, Announcements | Mike Burner |
| 2. Agenda Overview, Assign Rapporteurs | Lorna Wargo |

C. Administrative

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|---|---------------|
| 1. Report of the ONMS (<i>Attend Habitat Committee Session</i>) (8:45 a.m.; Report to Council Thursday, March 4) | Lisa Wooninck |
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| 2. Marine Planning Update (<i>Attend Habitat Committee session</i>) (9:15 a.m.; Report to Council Friday, March 5) Briefing February 24 | |
|---|--|

I. Ecosystem

- | | |
|--|--------------|
| 1. California Current Ecosystem and Integrated Ecosystem Assessment (IEA) Annual Report and Science Review Topics (10 a.m.; Report to Council Wednesday, March 10) Briefing February 23 | Kym Jacobson |
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PUBLIC COMMENT PERIOD

10:30 a.m.

- I. Ecosystem (continued)

2. Climate and Communities Initiative Update
(11 a.m.; Report to Council Wednesday, March 10) Kym Jacobson

3. Fishery Ecosystem Plan Five-Year Review – Final Action
(11:30 a.m.; Report to Council Wednesday, March 10) Kym Jacobson

LUNCH

CPSMT Administrative Matters

3. Discussion and Finalize Supplemental Reports All
(1 p.m.)

4. Future Workload Planning Lorna Wargo
(3:30 p.m.)

C. Administrative (continued)

6. Future Council Meeting Agenda and Workload Planning Kerry Griffin
(4 p.m.; Report to Council Thursday, March 11)

Adjourn

PFMC
02/03/21

PROPOSED AGENDA

Ecosystem Advisory Subpanel

Pacific Fishery Management Council
Online Meeting
March 2-3, 2021

Ecosystem Advisory Subpanel (EAS) meetings are open to the public, and public comments will be taken during scheduled public comment periods or at the discretion of the Chair. Instructions for how to connect to online Advisory Body meetings will be posted on the Council's [March 2021 meeting webpage](#) prior to the first day of the meeting. Dates and times on this agenda are subject to change once the meeting begins. Agenda items listed under the Advisory Body Administrative Matters are in numerical order; other agenda items reflect their Council Meeting Agenda numbering. Note, times not specified for discussion and/or presentations will be allocated to the Advisory Body's drafting and reviewing of statements, reports, etc.

Tuesday, March 2 – 8:00 a.m.

EAS Administrative Matters

1. Roll Call and Agenda Overview Kit Dahl
2. Opening Remarks, Introductions, Announcements, etc.
Scott McMullen, Corey Ridings
3. Approve Agenda EAS

PUBLIC COMMENT PERIOD

Opportunity for the public to comment on the agenda and make preliminary recommendations for EAS discussions

I. Ecosystem Management

1. California Current Ecosystem and Integrated Ecosystem Assessment (IEA)
Report and Science Review Topics Andrew Thurber
(9:00 a.m., report to the Council on Wednesday, March 10)

Reflect on February 23 briefing and discuss potential report contents.

C. Administrative Matters

- 2 Marine Planning Update Corey Ridings
(10:30 a.m.; Report to the Council on Friday, March 5)

Reflect on February 24 briefing and discuss potential report contents.

I. Ecosystem Management (continued)

2. Climate and Communities Initiative Workshop Report Jonathan Star
(2:00 p.m., report to the Council on Wednesday, March 10)

Consider briefing and discuss report contents.

PUBLIC COMMENT PERIOD
3:30 p.m. (or immediately following Agenda Item I.2)

Wednesday, March 3 – 8:00 a.m.

I. Ecosystem Management (continued)

3. Fishery Ecosystem Plan (FEP) Five-Year Review – Final Action Kit Dahl
(Report to the Council Wednesday, March 10)

Discuss report contents.

C. Administrative Matters (continued)

- 6 Future Council Meeting Agenda and Workload Planning Scott McMullen
(10:00 a.m., report to the Council on Thursday, March 11)

Discuss scheduling of ecosystem management items on future Council agendas and formulate recommendations as appropriate.

EAS Administrative Matters

4. Review and finalize reports Scott McMullen, Corey Ridings
(1:00 p.m.)

Reports should be submitted to the Secretariat at by Thursday, March 4th.

ADJOURN

PFMC
02/02/21

PROPOSED AGENDA

Enforcement Consultants

Pacific Fishery Management Council
Online Meeting
March 3-5, 8-10, 2021

Instructions for how to connect to Advisory Body webinars will be posted on the Council's March 2021 Meeting webpage prior to the first day of the meeting.

The main work session for the Enforcement Consultants (EC) will occur 8 a.m. Wednesday morning, March 3. Additionally, the EC may convene on an ad hoc basis at other times during the Council meeting (March 4-5 and 8-10), as the need arises. Ad hoc sessions will be posted on the [Council meeting webpage](#) as soon as they are scheduled. Dates and times on this agenda are subject to change once the meeting begins.

EC meetings are open to the public, and public comments will be taken as noted in the agenda. Agenda items listed under the Enforcement Consultant, Administrative, and Other Matters are in numerical order; other agenda items reflect their Council Meeting Agenda numbering.

Wednesday, March 3, 2021 – 8 a.m. (Main Work Session)

Enforcement Consultant Administrative and Other Matters

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|--|-------------------------|
| 1. Roll Call, Introductions, Chair Remarks and Announcements, etc. | Greg Busch |
| 2. Meeting Information and Agenda Overview | Jim Seger |
| 3. Approve Agenda | Enforcement Consultants |

Council Agenda Items for Possible Comment

There may or may not be enforcement issues associated with all the following items. Items on the Council Agenda, but not listed here, may also be considered during the Enforcement Consultants meeting.

C. Administrative Matters

- C.1 Report of the Office of National Marine Sanctuaries (ONMS)
Council Discussion

F. Pacific Halibut Management

F.1 Annual International Pacific Halibut Commission (IPHC) Meeting Report

Council Action: Consider IPHC Meeting Reports; Provide Guidance as Appropriate

F.2 Incidental Catch Recommendations: Options for Salmon Troll and Final Action on Recommendations for Fixed Gear Sablefish Fisheries

Council Action: Recommend Inseason Changes to April/May 2021 Retention Limits in the Salmon Troll Fishery, as Necessary; Adopt Public Review Options for Retention in 2021 and April/May 2022 Salmon Troll Fishery; Adopt Final Retention Limits for 2021 Fixed Gear Sablefish Fishery

C. Administrative Matters (continued)

C.2 Marine Planning Update

Council Action: Receive an Update on Marine Planning Matters, Including Offshore Energy Planning and Aquaculture Area Mapping; Provide Recommendations and Guidance

G. Groundfish Management

G.2 Workload and New Management Measure Priorities

Council Action: Review the List of Proposed Projects, Amendments, and New Management Measures; Consider Overall Workload and Provide Guidance on Priorities and Schedules

E. Salmon Management

E.5 Recommendations for 2021 Management Alternative Analysis

Council Direction to the Salmon Technical Team and Salmon Advisory Subpanel on Alternative Development and Analysis

G. Groundfish Management (continued)

G.4 Inseason Adjustments – Final Action

Council Action: Adopt Final Inseason Adjustments for 2021, as Necessary, to Achieve but Not Exceed Annual Catch Limits and Other Management Objectives

G.5 Electronic Monitoring Program Update

Council Action: Review Revised Program Guidelines and Manual and Provide Comments

E. Salmon Management (continued)

E.6 Further Direction for 2021 Management Alternatives
Further Council Guidance and Direction as Necessary

E.7 Further Direction for 2021 Management Alternatives
Further Council Guidance and Direction as Necessary

E.8 Adopt 2021 Management Alternatives for Public Review
Council Action: Adopt Ocean Salmon Management Alternatives for Public Review

C. Administrative Matters (continued)

C.6 Future Council Meeting Agenda and Workload Planning
Council Discussion and Guidance on Future Meeting Agenda and Workload Planning

PUBLIC COMMENT

There will be one public comment period each session, which will occur after the EC completes its initial discussions and prior to finalization of its decisions for the session.

Enforcement Consultant Administrative and Other Matters (*continued*)

4. Enforcement Corner
5. Other

Thursday, March 4 through Friday March 5, 2021; and Monday, March 8 through Wednesday, March 10, 2021

Meet as necessary (see Council meeting webpage for dates and times).

ADJOURN

PFMC
02/02/21

PROPOSED AGENDA

Ad Hoc Ecosystem Workgroup

Pacific Fishery Management Council
Online Meeting
March 2-3, 2021

Ad Hoc Ecosystem Workgroup (EWG) meetings are open to the public, and public comments will be taken during scheduled public comment periods or at the discretion of the Chair. Instructions for how to connect to online Advisory Body meetings will be posted on the Council's [March 2021 meeting webpage](#) prior to the first day of the meeting. Dates and times on this agenda are subject to change once the meeting begins. Agenda items listed under the Advisory Body Administrative Matters are in numerical order; other agenda items reflect their Council Meeting Agenda numbering. Note, times not specified for discussion and/or presentations will be allocated to the Advisory Body's drafting and reviewing of statements, reports, etc.

Tuesday, March 2 – 8:00 a.m.

EWG Administrative Matters

1. Roll Call and Agenda Overview Kit Dahl
2. Opening Remarks, Introductions, Announcements, etc. Yvonne deReynier
3. Approve Agenda EWG

C. Administrative Matters

- 2 Marine Planning Update Tommy Moore
(9:30 a.m.; Report to the Council on Friday, March 5)

Reflect on February 24 briefing and discuss potential report contents.

I. Ecosystem Management

1. California Current Ecosystem and Integrated Ecosystem Assessment (IEA)
Report and Science Review Topics Tommy Moore
(11:00 a.m., report to the Council on Wednesday, March 10)

Reflect on February 23 briefing and discuss potential report contents.

2. Climate and Communities Initiative Workshop Report Yvonne deReynier
(1:30 p.m.)

Continue discussion from February 22 on supplemental report contents.

EWG Administrative Matters

4. Discuss draft reports, as needed Yvonne deReynier

(2:30 p.m.)

PUBLIC COMMENT PERIOD
4:00 p.m. (or immediately following the previous agenda item)

Wednesday, March 3 – 8:00 a.m.

C. Administrative Matters (continued)

- 6 Future Council Meeting Agenda and Workload Planning Yvonne deReynier
(9:00 a.m., report to the Council on Thursday, March 11)

Discuss scheduling of ecosystem management items on future Council agendas and formulate recommendations as appropriate.

I. Ecosystem Management (continued)

3. Fishery Ecosystem Plan (FEP) Five-Year Review – Final Action Yvonne deReynier
(10:00 a.m., report to the Council on Wednesday, March 10)

Briefing opportunity for interested advisory body members and the public on contents of FEP Chapters 3 & 4 (see Agenda Item I.3.a, EWG Report 1).

Discuss contents of supplemental report, as needed.

EWG Administrative Matters

Public Comment Period
1:30 p.m., or immediately following the previous agenda item.

5. Review and finalize reports Yvonne deReynier
(Immediately following Public Comment Period)

Reports should be submitted to the Secretariat by Thursday, March 4th.

ADJOURN

PFMC
02/02/21

PROPOSED AGENDA

Groundfish Advisory Subpanel

Pacific Fishery Management Council

Online Meeting

March 3-5 & 8-9

Instructions for how to connect to Advisory Body webinars will be posted on the Pacific Fishery Management Council's [March Meeting Webpage](#) prior to the first day of the meeting.

Groundfish Advisory Subpanel (GAP) meetings are open to the public. To ensure the public has the opportunity to comment on the below agenda items, a dedicated public comment agenda item has been scheduled for each day the GAP meets. The times are listed below. Agenda items listed under the GAP Administrative Matters are in numerical order; other agenda items reflect their Council Meeting Agenda numbering. Note, times not specified for discussion and/or presentations will be allocated to the GAP's drafting and reviewing of statements, reports, etc.

Wednesday, March 3, 2021 – 8:00 AM

GAP Administrative Matters

1. Roll Call, Introductions, Announcements, etc. John Holloway, Chair
2. Opening Remarks and Agenda Overview Brett Wiedoff
3. Approve Agenda GAP

G. Groundfish Management

3. Pacific Whiting Utilization in the Mothership Sector Brett Wiedoff/Jessi Doerpinghaus
(8:30 a.m.; Report to the Council Monday, March 8)

Public Comment Period

(9:30 a.m.)

F. Pacific Halibut Management

1. Annual International Pacific Halibut Commission (IPHC) Meeting Report Bob Alverson
(10:00 a.m.; Report to the Council Friday, March 5)
2. Incidental Catch Recommendations: Options for Salmon Troll and Final Action on Recommendations for Fixed Gear Sablefish Fisheries
(10:15 a.m.; Report to the Council Friday, March 5)

Public Comment Period

(10:30 a.m.)

C. Administrative Matters

- 2. Marine Planning Update
(10:45 a.m.; Report to the Council Friday, March 5)

Kerry Griffin

GAP Administrative Matters (continued)

- 4. Draft and Review Statements
(1:00 p.m.)

D. Habitat

- 1. Current Habitat Issues
(1:30 p.m.; Report to the Council Thursday, March 4)

Jennifer Gilden

Thursday, March 4, 2021 — 8:00 AM

GAP Administrative Matters (continued)

- 5. Draft and Review Statements
(8:00 a.m.)

G. Groundfish Management (continued)

- 1. National Marine Fisheries Service Report
(8:15 a.m.; Report to the Council Monday, March 8)

Brian Hooper

- 2. Workload and New Management Measure Priorities
(9:30 a.m.; Joint Discussion with GMT in GAP; Report to the Council Monday, March 8)

Todd Phillips

Public Comment Period

(11:00 a.m.)

C. Administrative Matters (continued)

- 3. Legislative Matters
(1:15 p.m.; Report to the Council Thursday, March 11)

Jennifer Gilden

GAP Administrative Matters (continued)

- 6. Draft and Review Statements
(1:30 p.m.)

Friday, March 5, 2021 — 8:00 AM

G. Groundfish Management (continued)

- 4. Inseason Adjustments – Final Action
(8:30 a.m.; Joint check-in session with GMT in GAP; Report to the Council Tuesday, March 9)

Todd Phillips

Public Comment Period

(9:00 a.m.)

G. Groundfish Management (continued)

5. Electronic Monitoring Program Update
(9:15 a.m.; Report to the Council Tuesday, March 9)

Brett Wiedoff/Melissa Hooper

Public Comment Period

(10:00 a.m.)

GAP Administrative Matters (continued)

7. Draft and Review Statements
(10:15 a.m.)

I. Ecosystem Management

2. Climate and Communities Initiative Workshop Report
(1:30 p.m.; Joint meeting in HMSAS: Report to the Council on Wednesday, March 10)

Jonathan Star

GAP Administrative Matters (continued)

8. Draft and Review Statements
(3:00 p.m.)

Monday, March 8, 2021 — 8:00 AM

GAP Administrative Matters (continued)

9. Draft and Review Statements
(8:00 a.m.)

Note: Members of the GAP will be attending the Groundfish items on the Council's Agenda Items.

G. Groundfish Management (continued)

4. Inseason Adjustments – Final Action
(11:00 a.m.; Report to the Council Tuesday, March 9)

Todd Phillips

Public Comment Period

(11:30 a.m.)

GAP Administrative Matters (continued)

10. Draft and Review Statements
(1:00 p.m.)

I. Ecosystem Management (continued)

3. Fishery Ecosystem Plan (FEP) Five-Year Review – Final Action
(1:30 p.m.; Report due to the Council on Wednesday, March 10)

Kit Dahl

1. California Current Ecosystem and Integrated Ecosystem
Assessment (IEA) and Science Review Topics

Chris Harvey, Toby Garfield

(2:00 p.m.; Joint meeting in HMSAS, Report to the Council on Wednesday, March 10)

Tuesday, March 9, 2021 — 8:00 AM

GAP Administrative Matters (*continued*)

11. Draft and Review Statements

Note: Members of the GAP will be attending the Council session for Agenda Items G.4 and G.5. The GAP will reconvene upon conclusion of these agenda items.

(8:00 a.m.)

C. Administrative Matters (*continued*)

6. Future Council Meeting Agenda and Workload Planning

(1:00 p.m.; Report to the Council Thursday, March 11)

Public Comment Period

(1:30 p.m.)

Non-Council Agenda Item

Spiny Dogfish Pre-Assessment Workshop Discussion

John DeVore

(2:30 p.m; Joint Session with GMT in the GAP; No Report to the Council)

GAP Administrative Matters (*continued*)

12. Draft and Review Statements

(4:00 p.m.)

ADJOURN

PFMC

02/03/21

PROPOSED AGENDA

Groundfish Management Team

Pacific Fishery Management Council
Online Meeting
March 3-5 & 8-9

Instructions for how to connect to Advisory Body webinars will be posted on the Pacific Fishery Management Council's [March Meeting Webpage](#) prior to the first day of the meeting.

Groundfish Management Team (GMT) meetings are open to the public. To ensure the public has the opportunity to comment on the below agenda items, a dedicated public comment agenda item has been scheduled for each day the GMT meets. The times are listed below. Agenda items listed under the GMT Administrative Matters are in numerical order; other agenda items reflect their Council Meeting Agenda numbering. Note, times not specified for discussion and/or presentations will be allocated to the GMT's drafting and reviewing of statements, reports, etc.

Wednesday, March 3, 2021 – 8:00 AM

GMT Administrative Matters

- | | |
|--|------------------------|
| 1. Roll Call, Introductions, Announcements, etc. | Melissa Mandrup, Chair |
| 2. Opening Remarks and Agenda Overview | Todd Phillips |
| 3. Approve Agenda | GMT |
| 4. Review 2/17/2021 Webinar Items | GMT |

G. Groundfish Management

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|--|---------------|
| 2. Workload and New Management Measure Priorities (8:30 a.m.; Report to the Council Monday, March 8) | Todd Phillips |
| 3. Pacific Whiting Utilization in the Mothership Sector (10:00 a.m.; Report to the Council Monday, March 8) | Brett Wiedoff |

Public Comment Period

(11:00 a.m. or immediately following the previous agenda item)

GMT Administrative Matters

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| 5. Draft and Review Statements (1:00 p.m.) | |
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Thursday, March 4, 2021 — 8:00 AM

G. Groundfish Management (*continued*)

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| 4. Inseason Adjustments – Final Action (8:30 a.m.; Report to the Council Tuesday, March 9) | Todd Phillips |
| 2. Workload and New Management Measure Priorities (9:30 a.m.; Joint Discussion in GAP; Report to the Council Monday, March 8) | Todd Phillips |

Thursday, March 4, 2021 — Continued

Public Comment Period

(11:00 a.m. or immediately following the previous agenda item)

GMT Administrative Matters

6. Draft and Review Statements
(1:00 p.m.)

Friday, March 5, 2021 — 8:00 AM

G. Groundfish Management (*continued*)

4. Inseason Adjustments – Final Action Todd Phillips
(8:30 a.m.; Joint check-in session in GAP; Report to the Council Tuesday, March 9)

Public Comment Period

(11:00 a.m. or immediately following the previous agenda item)

GMT Administrative Matters (*continued*)

7. Draft and Review Statements
(1:00 p.m.)

Monday, March 8, 2020 — 8:00 AM

Note: Members of the GMT will be attending the Council's Groundfish Agenda Items in the morning. The GMT will briefly reconvene during E.5 to discuss any outstanding business and return to the Council session for G.3.

G. Groundfish Management (*continued*)

4. Inseason Adjustments – Final Action Todd Phillips
(11:00 a.m.; Report to the Council Tuesday, March 9)

Public Comment Period

(11:45 a.m. or immediately following the previous agenda item)

GMT Administrative Matters (*continued*)

8. Draft and Review Statements
(1:00 p.m.)

Tuesday, March 9, 2020 — 8:00 AM

Note: Members of the GMT will be attending the Council session for Agenda Items G.4 and G.5. The GMT will reconvene upon conclusion of these agenda items.

C. Administrative Matters

6. Future Council Meeting Agenda and Workload Planning Melissa Mandrup
(11:00 a.m.; Report to the Council Thursday, March 11)

Tuesday, March 9, 2020 — Continued

Public Comment Period

(11:30 a.m. or immediately following the previous agenda item)

GMT Administrative Matters (*continued*)

9. Draft and Review Statements

(1:00 p.m.)

Non-Council Agenda Item

Spiny Dogfish Pre-Assessment Workshop Discussion

John DeVore

(2:30 p.m.; Joint Session in the GAP; No Report, Informational Only)

ADJOURN

PFMC

02/03/21

PROPOSED AGENDA

Habitat Committee

Pacific Fishery Management Council
Online Meeting
March 2, 2021

Instructions for how to connect to advisory body webinars will be posted on the Council's [March 2021 meeting webpage](#) prior to the first day of the meeting. Habitat Committee (HC) meetings are open to the public. To ensure the public has the opportunity to comment on the below agenda items, a dedicated public comment agenda item has been scheduled for each day. Times on this agenda are subject to change once the meeting begins. Agenda items listed under Habitat Matters are in numerical order; other agenda items reflect their Council meeting agenda numbering. Times not specified for discussion and/or presentations will be allocated to the advisory body's drafting and reviewing of statements, reports, etc.

Current Habitat Issues agenda item (D.1) is on Thursday, March 4.

Tuesday, March 2, 2020 – 8:00 a.m.

Habitat Matters

1. Introductions and Approval of Agenda Lance Hebdon
2. Salmon Rebuilding Plans Update Correigh Greene
(8:15 a.m., 30 minutes) Notes: Eric Chavez

C. Council Administrative Matters

1. Report of the Office of National Marine Sanctuaries (ONMS) Lisa Wooninck
(8:45 a.m., 30 minutes) Notes: Scott Heppell
2. Marine Planning Update (9:15 a.m., 30 minutes) Kerry Griffin
Notes: Tom Rudolph

BREAK (9:45 a.m.-10:00 a.m.)

Habitat Matters

3. Member Updates All
(10:00 a.m., 30 minutes) Notes: Arlene Merems

I. Ecosystem Management

3. Fishery Ecosystem Plan Five-Year Review – Final Action (Optional: Attend Feb. 22 [Ecosystem Workgroup briefing](#)) (10:30 a.m., 1 hour) HC
Notes: Eric Wilkins

REPORT WORK SESSION/LUNCH (11:30 p.m.-1:00 p.m.)¹

I. Ecosystem Management, cont'd.

1. California Current Ecosystem and Integrated Ecosystem Assessment Report and Science Review Topics (Please attend [February 23 Ecosystem Workgroup discussion](#)). (1:00 p.m., 1 hour) HC
Notes: Lisa Wooninck
2. Climate and Communities Initiative Workshop Report ([Joint meeting with Ecosystem Advisory Subpanel](#)) (2:00 p.m., 1 hour) Jonathan Starr
Notes: Fran Recht

H. Highly Migratory Species Management

2. Review of Essential Fish Habitat – Phase 2 (3:00 p.m., 1 hour) Kerry Griffin
Notes: Tom Rudolph

Habitat Matters

4. PUBLIC COMMENT PERIOD (4:00 p.m.)
5. Finalize HC D.1 Report (4:15 p.m.)

ADJOURN (5:30 p.m.)

PFMC
2/8/21

¹ Prepare HC report on member updates, salmon rebuilding; C1, C2, I3

PROPOSED AGENDA

Highly Migratory Species Advisory Subpanel

Pacific Fishery Management Council
Online Meeting
March 4, 5, & 8, 2021

Highly Migratory Species Advisory Subpanel (HMSAS) meetings are open to the public, and public comments will be taken during scheduled public comment periods or at the discretion of the Chair. Instructions for how to connect to online Advisory Body meetings will be posted on the Council's [March 2021 meeting webpage](#) prior to the first day of the meeting. Dates and times on this agenda are subject to change once the meeting begins. Agenda items listed under the Advisory Body Administrative Matters are in numerical order; other agenda items reflect their Council Meeting Agenda numbering. Note, times not specified for discussion and/or presentations will be allocated to the Advisory Body's drafting and reviewing of statements, reports, etc.

Thursday, March 4 – 8:00 a.m.

HMSAS Administrative Matters

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| 1. Roll Call and Agenda Overview | Kit Dahl |
| 2. Opening Remarks, Introductions, Announcements, etc. | Dave Rudie |
| 3. Approve Agenda | HMSAS |

C. Administrative Matters

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|--------------------------|-------------|
| 2 Marine Planning Update | Mike Conroy |
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- (8:30 a.m.; report to the Council on Friday, March 5)

Reflect on February 24 briefing and consider contents of a supplemental report, as needed.

H. Highly Migratory Species Management

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| 3. Recommend International Management Activities | Celia Barroso |
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- (11:00 a.m.; report to the Council on Tuesday, March 9)

Discuss contents of supplemental report.

PUBLIC COMMENT PERIOD

11:30 a.m. (or immediately following Agenda Item H.5)

- | | |
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| 5. Biennial Harvest Specifications and Management Measures | Amber Rhodes |
|--|--------------|
- (2:30 p.m.; report to the Council on Wednesday, March 10)

Discuss contents of supplemental report.

2. Review of Essential Fish Habitat – Phase 2
(3:30 p.m.; report due to the Council on Tuesday, March 9)

Kerry Griffin

Discuss contents of supplemental report.

PUBLIC COMMENT PERIOD
3:30 p.m. (or immediately following Agenda Item H.5)

Friday, March 5 – 8:00 a.m.

I. Ecosystem Management

- I.3 Fishery Ecosystem Plan (FEP) Five-Year Review – Final Action
(8:00 a.m.; Report due to the Council on Wednesday, March 10)

Kit Dahl

Discuss contents of supplemental report, as needed.

H. Highly Migratory Species Management (continued)

4. Deep-Set Buoy Gear Permit Clarifications
(10:30 a.m.; report due to the Council on Wednesday, March 10)

Liz Hellmers

Discuss contents of supplemental report.

PUBLIC COMMENT PERIOD
11:30 a.m. (or immediately following Agenda Item I.3)

I. Ecosystem Management (continued)

2. Climate and Communities Initiative Workshop Report
(1:30 p.m.; report due to the Council on Wednesday, March 10)

Jonathan Star

Joint briefing with the HMS Management Team.

PUBLIC COMMENT PERIOD
4:00 p.m. (or immediately following Agenda Item I.2)

Monday, March 8 – 8:00 a.m.

HMSAS Administrative Matters (continued)

4. Review and finalize reports.

C. Administrative Matters (continued)

6. Future Council Meeting Agenda and Workload Planning
(10:30 a.m.; report due to the Council on Thursday, March 11)

Dave Rudie

Discuss supplemental report recommending the scheduling of HMS items on future Council meeting agendas, as appropriate.

PUBLIC COMMENT PERIOD
11:30 a.m. (or immediately following Agenda Item C.6)

I. Ecosystem Management (continued)

1. California Current Ecosystem and Integrated Ecosystem Assessment (IEA)
Report and Science Review Topics Chris Harvey, Toby Garfield
(2:00 p.m.; report to the Council on Wednesday, March 10)

Joint briefing with the Salmon Advisory Subpanel and HMS Management Team

PUBLIC COMMENT PERIOD
3:00 p.m. (or immediately following Agenda Item I.1)

HMSAS Administrative Matters (continued)

5. Review and finalize reports.
(3:15 p.m.)

ADJOURN

PFMC
02/02/21

PROPOSED AGENDA

Highly Migratory Species Management Team

Pacific Fishery Management Council
Online Meeting
March 4, 5, & 8, 2021

Highly Migratory Species Management Team (HMSMT) meetings are open to the public, and public comments will be taken during scheduled public comment periods or at the discretion of the Chair. Instructions for how to connect to online Advisory Body meetings will be posted on the Council's [March 2021 meeting webpage](#) prior to the first day of the meeting. Dates and times on this agenda are subject to change once the meeting begins. Agenda items listed under the Advisory Body Administrative Matters are in numerical order; other agenda items reflect their Council Meeting Agenda numbering. Note, times not specified for discussion and/or presentations will be allocated to the Advisory Body's drafting and reviewing of statements, reports, etc.

Thursday, March 4 – 8:00 a.m.

HMSMT Administrative Matters

1. Roll Call and Agenda Overview Kit Dahl
2. Opening Remarks, Introductions, Announcements, etc. Liz Hellmers, Steve Stohs
3. Approve Agenda HMSMT

C. Administrative Matters

- 2 Marine Planning Update Jessica Watson
(8:30 a.m.; report to the Council on Friday, March 5)

Reflect on February 24 briefing and consider contents of a supplemental report, as needed.

H. Highly Migratory Species Management

5. Biennial Harvest Specifications and Management Measures Amber Rhodes
(10:00 a.m.; report to the Council on Wednesday, March 10)

Discuss contents of supplemental report.

PUBLIC COMMENT PERIOD

11:30 a.m. (or immediately following Agenda Item H.5)

3. Recommend International Management Activities Celia Barroso
(1:30 p.m.; report to the Council on Tuesday, March 9)

Discuss contents of supplemental report.

2. Review of Essential Fish Habitat – Phase 2
(2:30 p.m.; report due to the Council on Tuesday, March 9)

Kerry Griffin

Discuss contents of supplemental report.

PUBLIC COMMENT PERIOD
3:30 p.m. (or immediately following Agenda Item H.2)

Friday, March 5 – 8:00 a.m.

H. Highly Migratory Species Management (continued)

4. Deep-Set Buoy Gear Permit Clarifications
(Report due to the Council on Wednesday, March 10)

Liz Hellmers

Discuss contents of supplemental report.

I. Ecosystem Management

3. Fishery Ecosystem Plan (FEP) Five-Year Review – Final Action
(10:30 a.m.; Report due to the Council on Wednesday, March 10)

Kit Dahl

Discuss contents of supplemental report, as needed.

PUBLIC COMMENT PERIOD
11:30 a.m. (or immediately following Agenda Item I.3)

2. Climate and Communities Initiative Workshop Report
(1:30 p.m.; report due to the Council on Wednesday, March 10)

Jonathan Star

Joint briefing with the HMS Advisory Subpanel.

PUBLIC COMMENT PERIOD
4:00 p.m. (or immediately following Agenda Item I.2)

Monday, March 8 – 8:00 a.m.

HMSMT Administrative Matters (continued)

4. Review and finalize reports.

C. Administrative Matters (continued)

6. Future Council Meeting Agenda and Workload Planning
(10:30 a.m.; report due to the Council on Thursday, March 11)

Liz Hellmers

Discuss supplemental report recommending the scheduling of HMS items on future Council meeting agendas, as appropriate.

PUBLIC COMMENT PERIOD
11:30 a.m. (or immediately following Agenda Item C.6)

I. Ecosystem Management (continued)

1. California Current Ecosystem and Integrated Ecosystem Assessment (IEA)
Report and Science Review Topics Chris Harvey, Toby Garfield
(2:00 p.m.; report to the Council on Wednesday, March 10)

Joint briefing with the Salmon Advisory Subpanel and HMS Advisory Subpanel

PUBLIC COMMENT PERIOD
3:00 p.m. (or immediately following Agenda Item I.1)

HMSMT Administrative Matters (continued)

5. Review and finalize reports.
(3:15 p.m.)

ADJOURN

PFMC
02/02/21

PROPOSED AGENDA

Legislative Committee

Pacific Fishery Management Council
Online Meeting
March 3, 2021

Instructions on how to connect to advisory body online meetings will be posted on the Council's March 2021 web page prior to the first day of the meeting.

Legislative Committee meetings are open to the public, and there is an opportunity for public comment. Dates and times on this agenda are subject to change once the meeting begins. Agenda items listed under the Advisory Body Administrative Matters are in numerical order; other agenda items reflect their Council Meeting Agenda numbering. Breaks will be taken as necessary, at the discretion of the Chair.

Wednesday, March 3, 2021 – 10:00 a.m.

- | | |
|--|-----------------|
| 1. Call to Order, Introductions, and Approval of Agenda | Dave Hanson |
| 2. Review of Legislation in the 117th Congress | Jennifer Gilden |
| 3. Magnuson-Stevens Act Reauthorization Bills | Jennifer Gilden |
| 4. General Discussion of Current Legislation and Requests for Comment (if any) | All |
| 5. Executive Order 14008: Tackling the Climate Crisis at Home and Abroad | All |
| 6. Future Meeting Plans and Other Business | All |
| 7. Public Comment | |
| 8. Develop Report to Council | All |

ADJOURN

PFMC
02/03/21

PROPOSED AGENDA

Salmon Advisory Subpanel

Pacific Fishery Management Council
Online Meeting
March 3-5 and 8-10, 2021

Instructions on how to connect to advisory body meetings will be posted on the Council's [March 2021 meeting webpage](#) prior to the first day of the meeting. Salmon Advisory Subpanel (SAS) meetings are open to the public and there will be one daily opportunity for public comment. Dates and times on this agenda are subject to change once the meeting begins. SAS Administrative matters are in numerical order; other agenda items reflect their Council meeting agenda numbering. Times not specified for discussion and/or presentations will be allocated to the advisory body's drafting and reviewing of statements, reports, etc.

Wednesday March 3, 2021 — 8:00 a.m.

SAS Administrative Matters

- | | |
|--|----------------------------|
| 1. Roll Call, Introductions, Announcements, etc. | Richard Heap, Chair |
| 2. Opening Remarks and Agenda Overview | Robin Ehlke, Staff Officer |
| 3. Approve Agenda | SAS |
| 4. Assignments to Draft Potential Statements | Megan Waters, Vice Chair |

D. Habitat

- | | |
|---|-----------------|
| 1. Current Habitat Issues (8:30 a.m., Report to the Council Thursday, March 4) | Jennifer Gilden |
|---|-----------------|

C. Administrative Matters

- | | |
|--|-----------------|
| 3. Legislative Matters (8:45 a.m., Report to the Council Thursday, March 11) | Jennifer Gilden |
| 2. Marine Planning Update and Aquaculture Area Mapping (9:00 a.m., Report to the Council Friday, March 5) | Kerry Griffin |

G. Groundfish Management

- | | |
|---|---------------|
| 2. Workload and New Management Measure Priorities (9:30 a.m., Report to the Council Monday, March 8) | Todd Phillips |
|---|---------------|

F. Pacific Halibut Management

1. Annual International Pacific Halibut Commission (IPHC) Meeting Report (11:00 a.m., Report to the Council Friday, March 5) Robin Ehlke
2. Incidental Catch Recommendations: Options for the Salmon Troll and Final Recommendations for Fixed Gear Sablefish Fisheries (11:30 a.m., Report to the Council Friday, March 5) Robin Ehlke

E. Salmon Management

2. Reintroduction Above Grand Coulee Dam (1:15 p.m., Report to the Council Thursday, March 4) Robin Ehlke
3. Review of 2020 Fisheries & Summary of 2021 Stock Forecasts (1:30 p.m. discussion with STT chair, use SAS meeting ID, Report to the Council Thursday, March 4) Mike O’Farrell
4. Identification of Management Objectives and Preliminary Definition of 2021 Salmon Management Alternatives (2:00 p.m. discussion with the STT chair, NMFS, use SAS meeting ID, Report to the Council Friday, March 5) Mike O’Farrell
Susan Bishop
1. National Marine Fisheries Service Report (2:30 p.m. discussion with NMFS; use SAS meeting ID, Report to the Council Thursday, March 4) Susan Bishop

Public Comment

1. (3:00 p.m.) Richard Heap

SAS Administrative Matters (*continued*)

5. Draft and Review Statements (3:30 p.m.)

Thursday, March 4, 2021 — 8:00 a.m.

Public Comment

2. (8:15 a.m.) Richard Heap

SAS Administrative Matters (*continued*)

6. Draft and Review Statements (9:30 a.m.)
7. On Council floor for Agenda Items D,1,E.1, E.2, and E.3 (~1:00 p.m.)

Friday, March 5, 2021 — 8:00 a.m.

SAS Administrative Matters (*continued*)

8. On Council floor for Agenda Items E.4, F.1, F.2, and C.2
(8:00 a.m.)

E. Salmon Management (*continued*)

5. Recommendations for 2021 Management Alternative Analysis
(3:00 p.m., Report to the Council Monday, March 8) Richard Heap

Public Comment

3. (3:15 p.m.) Richard Heap

Monday, March 8, 2021 — 8:00 a.m.

Public Comment

4. (8:15 a.m.) Richard Heap

SAS Administrative Matters (*continued*)

9. On Council floor for Agenda Item E.5
(~11:00 a.m.)

10. Draft and Review Statements
(1:00 p.m.)

I. Ecosystem Management

1. California Current Ecosystem and Integrated Ecosystem
Assessment Report Chris Harvey, Toby Garfield
(2:00 p.m., use HMSAS meeting ID,
Report to the Council Wednesday, March 10)

2. Climate and Communities Initiative Update Jonathan Star
(3:00 p.m., use SAS meeting ID,
Report to the Council Wednesday, March 10)

3. Fishery Ecosystem Plan (FEP) Five-Year Review – Update Kit Dahl
(3:45 p.m., use SAS meeting ID,
Report to the Council Wednesday, March 10)

E. Salmon Management (*continued*)

6. Further Direction for 2020 Management Alternatives Richard Heap
(4:00 p.m., Report to the Council Tuesday, March 9)

Tuesday, March 9, 2021 — 8:00 a.m.

E. Salmon Management (*continued*)

- 7. Further Direction for 2020 Management Alternatives
(8:00 a.m., Report to the Council Wednesday, March 10) Richard Heap
- 9. Appoint Salmon Hearings Officers
(8:15 a.m., Report to the Council Thursday, March 11) Megan Waters

Public Comment

- 5. (8:30 a.m.) Richard Heap

SAS Administrative Matters (*continued*)

- 11. Draft and Review Statements
(9:00 a.m.)
- 12. On Council floor for Agenda Item E.6
(~2:00 p.m.)

Wednesday, March 10, 2021 — 8:00 a.m.

Public Comment

- 6. (8:15 a.m.) Richard Heap

E. Salmon Management (*continued*)

- 8. Adopt 2021 Management Alternatives for Public Review
(8:30 a.m., Report to the Council Thursday, March 11) Richard Heap

C. Administrative Matters

- 6. Future Council Meeting Agenda and Workload Planning
(9:00 a.m., Report to the Council Thursday, March 11) Robin Ehlke

SAS Administrative Matters (*continued*)

- 13. Draft and Review Statements
(9:15 a.m.)
- 14. On Council floor for Agenda Item E.7
(~2:00 p.m.)

ADJOURN

(5:00 p.m.)

PROPOSED AGENDA

Scientific and Statistical Committee

Pacific Fishery Management Council
Via Webinar

March 2-3, 2021

Scientific and Statistical (SSC) meetings are open to the public, and public comments will be taken at the discretion of the Chair. Dates and times on this agenda are subject to change once the meeting begins. Agenda items listed under the SSC Administrative Matters are in numerical order; other agenda items reflect their Council Meeting Agenda numbering. Committee member work assignments are noted in parentheses at the end of each agenda item. The first name listed is the discussion leader and the second, the rapporteur. Note, times not specified for discussion and/or presentations will be allocated to the SSC's drafting and reviewing of statements, reports, etc.

Tuesday, March 2, 2021 – 8 AM

SSC Administrative Matters

1. Roll Call, Introductions, Announcements, etc. Galen Johnson
2. Report of the Executive Director Chuck Tracy
3. Approve Agenda and November 2020 Minutes
4. Subcommittee Assignments - Current assignments are listed at the end of this agenda
5. Open Discussion and Future Meeting Planning

C. Administrative Matters

5. Membership Appointments and Council Operating Procedures (SSC Closed Session)
(9:00 a.m.; Report to the Council Thursday, March 4)

BREAK (9:30 – 9:45 a.m.)

H. Highly Migratory Species Management

5. Biennial Harvest Specifications and Management Measures Michael Harte, Amber Rhodes, and Sarah Shoffler
(9:45 a.m.; **Tsou, Hamel** ; Report to the Council Wednesday, March 10)

I. Ecosystem Management

1. California Current Ecosystem and Integrated Ecosystem Assessment (IEA) Report and Science Review Topics Kristin Marshall, Chris Harvey, and Toby Garfield
(11:00 a.m.; **Marshall, Speir**; Report to the Council Wednesday, March 10)
 - a. Discussion of COVID-19 related impacts on the 2021 CCIEA Report

LUNCH (12:00 – 1:00 p.m.)

1. California Current Ecosystem and Integrated Ecosystem Assessment (IEA) Report and Science Review Topics (Continued)

b. Discussion of Topics/Analyses for the CCIEA team to Present in September (1:00 p.m.)

PUBLIC COMMENT PERIOD
2:00 p.m. (or immediately following Agenda Item I.1.b)
Public comments, including comments on issues not on the agenda, are accepted at this time.

SSC Administrative Matters (continued)

6. Draft and Review Statements
(Following the public comment period)

Wednesday, March 3, 2021 — 8 AM

SSC Administrative Matters (continued)

7. Draft and Review Statements
(8:00 a.m.)

BREAK (9:00 – 9:15 a.m.)

E. Salmon Management

3. Review of 2020 Fisheries and Summary of 2021 Stock Forecasts Salmon Technical Team
(9:15 a.m.; **Byrne, Shelton**; Report to the Council Thursday, March 4)

PUBLIC COMMENT PERIOD
10:15 a.m. (or immediately following Agenda Item E.3)
Public comments, including comments on issues not on the agenda, are accepted at this time.

C. Administrative Matters (continued)

6. Future Council Meeting Agenda and Workload Planning
(10:30 a.m.; **Johnson**; Report to the Council Thursday, March 11)

LUNCH (11:30 a.m. – 1:00 p.m.)

SSC Administrative Matters (continued)

8. Discussion of The Regional Best Scientific Information

Available Framework

Sarah Shoffler and Jim Hastie

(1 p.m.; **Satterthwaite, Haltuch**; Report to the Council To Be Determined)

9. Draft and Review Statements

(2 p.m.)

SSC Subcommittee Assignments, November 2020

| Salmon | Groundfish | Coastal Pelagic Species | Highly Migratory Species | Economics | Ecosystem-Based Management |
|--------------------|---------------------|--------------------------------|---------------------------------|----------------------|-----------------------------------|
| Alan Byrne | John Budrick | André Punt | Michael Harte | Cameron Speir | Kristin Marshall |
| John Budrick | Fabio Caltabellotta | John Budrick | Fabio Caltabellotta | Michael Harte | John Field |
| Owen Hamel | John Field | Alan Byrne | John Field | Dan Holland | Marisol Garcia-Reyes |
| Michael Harte | Melissa Haltuch | John Field | Marisol Garcia-Reyes | André Punt | Melissa Haltuch |
| Galen Johnson | Owen Hamel | Marisol Garcia-Reyes | Dan Holland | | Michael Harte |
| Will Satterthwaite | Kristin Marshall | Owen Hamel | Kristin Marshall | | Dan Holland |
| Jason Schaffler | André Punt | Will Satterthwaite | André Punt | | Galen Johnson |
| Ole Shelton | Jason Schaffler | Tien-Shui Tsou | | | André Punt |
| Cameron Speir | Tien-Shui Tsou | Will White | | | Will Satterthwaite |
| Tien-Shui Tsou | Will White | | | | Ole Shelton |
| | | | | | Cameron Speir |

Bold denotes Subcommittee Chairperson

ADJOURN

PFMC

02/02/21

DRAFT SUMMARY MINUTES

Scientific and Statistical Committee

Pacific Fishery Management Council

Via Webinar

November 12 and 13, 2020

Members in Attendance

Dr. John Budrick, California Department of Fish and Wildlife, Belmont, CA
Mr. Alan Byrne, Idaho Department of Fish and Game, Boise, ID
Dr. Fabio Caltabellotta, Oregon State University, Corvallis, OR
Dr. John Field, SSC Chair, National Marine Fisheries Service Southwest Fisheries Science Center, Santa Cruz, CA
Dr. Marisol Garcia-Reyes, Farallon Institute, Petaluma, CA
Dr. Melissa Haltuch, National Marine Fisheries Service Northwest Fisheries Science Center, Seattle, WA
Dr. Owen Hamel, National Marine Fisheries Service Northwest Fisheries Science Center, Seattle, WA
Dr. Michael Harte, Oregon State University, Corvallis, OR
Dr. Dan Holland, National Marine Fisheries Service Northwest Fisheries Science Center, Seattle, WA
Dr. Galen Johnson, Northwest Indian Fisheries Commission, Olympia, WA
Dr. Kristin Marshall, National Marine Fisheries Service Northwest Fisheries Science Center, Seattle, WA
Dr. André Punt, University of Washington, Seattle, WA
Dr. William Satterthwaite, National Marine Fisheries Service Southwest Fisheries Science Center, Santa Cruz, CA
Dr. Jason Schaffler, Muckelshoot Indian Tribe, Auburn, WA
Dr. Ole Shelton, National Marine Fisheries Service Northwest Fisheries Science Center, Seattle, WA
Dr. Cameron Speir, National Marine Fisheries Service Southwest Fisheries Science Center, Santa Cruz, CA
Dr. Tien-Shui Tsou, Washington Department of Fish and Wildlife, Olympia, WA
Dr. Will White, Oregon State University, Corvallis, Oregon

Members Absent

None.

| SSC Recusals for the November 2020 Meeting | | |
|---|---|--|
| SSC Member | Issue | Reason |
| Dr. Melissa Haltuch | G.4 Sablefish Management Strategy Evaluation Update | Dr. Haltuch contributed to the Sablefish MSE analysis. |
| Dr. Owen Hamel | G.5 Assessment Methodology Review – Final Action | Dr. Hamel supervises Dr. Jason Cope, one of the proponents of new length-based assessment methods. |
| Dr. André Punt | G.4 Sablefish Management Strategy Evaluation Update | Dr. Punt is Ms. Kapur’s major professor. |

A. Call to Order

Dr. Galen Johnson called the meeting to order at 0800. Mr. Chuck Tracy briefed the Scientific and Statistical Committee (SSC) on the meeting and the Pacific Fishery Management Council’s (Council’s or PFM C’s) expectations for the items on the SSC agenda.

Dr. Fabio Caltabellotta volunteered to serve on the SSC’s Groundfish and Highly Migratory Species subcommittees. Dr. Will White volunteered to serve on the SSC’s Coastal Pelagic Species Subcommittee.

G. Groundfish Management

4. Sablefish Management Strategy Evaluation Update

Ms. Maia Kapur (University of Washington) and Dr. Melissa Haltuch (Northwest Fisheries Science Center) briefed the Scientific and Statistical Committee (SSC) on progress for a management strategy evaluation (MSE) for Northeast Pacific sablefish that includes a spatially explicit operating model, which is currently in development by the Pacific Sablefish Transboundary Assessment Team (PSTAT). The MSE tool focuses on the demographic structure of fish stocks and how northeast Pacific sablefish are managed regionally. This model could explore the current and future biological consequences of catch allocations north and south of the 36° N. lat. management line. The SSC appreciates the research and collaboration underway to develop a transboundary operating model for use in a management strategy evaluation across the Northeast Pacific.

The SSC supports the decisions made by the analysts to date in developing the spatial operating model. The spatial dynamics and structure of the model are supported by research on spatially varying growth and widespread movement observed in sablefish. This operating model addresses previous SSC recommendations that a population model consistent with the understanding of sablefish stock structure be developed ([Agenda Item F.3.a, Supplemental SSC Report 1, March 2018](#)). The SSC reviewed the documentation supporting the operating model and could review a conditioned operating model at a later stage, if desired by the Council.

The SSC affirms the scope of this operating model is appropriate, given recent research on the genetic stock structure of sablefish, latitudinal patterns of growth, and an analysis of tagging data. If the Council or stakeholders wanted to use the MSE to investigate questions beyond the consequences of spatial stock structure on the ability of harvest control rules to achieve management objectives, the operating model would need to be further developed, which would require additional resources.

The SSC recognizes that MSE processes are iterative and discussed several areas of potential development of the operating model. For example, the operating model could be expanded to include more economic considerations or an economic submodel that could explore other aspects of fishing fleet dynamics relevant to sablefish. Future work could also explore the potential consequences of environmentally-driven or time-varying recruitment, growth, or movement, particularly considering previous work on environmentally-driven sablefish recruitment on the west coast.

The SSC supports the development of a process for the Council to engage with the PSTAT. Recent MSE efforts in other regions and best practices summarized in the [2018 Council Coordination Committee Scientific Coordination Subcommittee meeting report](#) have highlighted that stakeholder engagement is a critical component of an MSE process. The SSC recommends that the Council and analysts follow best practices identified and used in these other efforts. In particular, the SSC recommends the Council engage in discussions about management objectives and performance metrics as soon as practicable to ensure those inputs may be incorporated into the model, and that performance metrics used to evaluate alternative management strategies reflect the interests and objectives of the Council. The SSC recommends the scheduling of a workshop for stakeholders to contribute to the development of management objectives and performance metrics.

SSC Notes:

There is some possibility that differences in estimates of growth between the two areas in the California Current could be influenced by differences in targeting of the fleets in those two areas; however, projections from the 2011 and 2019 assessment models suggest that total catch is more influential than which gear type is used.

Recent publications supporting stakeholder best practices that the analysts or Council may want to consider include the Atlantic Herring MSE, Atlantic menhaden MSE, Mike Jones' work on walleye in the Great Lakes (summarized in the report of the 2018 National SSC Meeting), and recent publications on stakeholder best practices by Miller et al. and Feeney et al.

Analysts may also want to consider efforts supported by the NEFMC to summarize outputs from the Atlantic Herring MSE, and other best practices on summarizing the copious outputs associated with MSEs.

The current structure of the OM necessarily limits the potential scope of this iteration of the sablefish MSE. Communicating what is outside the scope of this effort may help the analysts to efficiently solicit input from stakeholders and managers (e.g., sablefish depredation would not be within scope at this time).

The PSTAT plans to add discard dynamics to the model over the next year. This will be a useful addition to capture more realism in total mortality and how fish are retained.

The current operating model structure allows investigation of changes to allocations among sectors within the California Current, if that was of interest to explore. Furthermore, the spatial structure of the OM aligns with the 36 degree management line so future catch distribution north and south of this line could be explored.

There is a sablefish fishery in SE Alaska run by the state that is not currently included in the operating model. However, it is unlikely to be influential because it represents less than 1% of total catches.

Spatial models can exhibit tradeoffs between reduced bias and lower precision. Investing in spatial dynamics and movement could obscure the shared patterns of decline among the stocks.

Recent examples of MSEs that have provided advice in a timely fashion in the Council process include sardine harvest control rule, flatfish reference points, Sacramento Winter Chinook, rebuilding analyses for rockfish, programmatic spex in 2015 that supported Groundfish Amendment 24 used the California Current Atlantis Model.

5. Assessment Methodology Review – Final Action

H. Coastal Pelagic Species Management

1. Preliminary Review of New Exempted Fishing Permits for 2021

The Scientific and Statistical Committee (SSC) received three preliminary exempted fishing permit (EFP) proposals. Two of these proposals have been previously reviewed (Agenda Item H.1, [Attachments 1](#) and [2](#)). A third EFP proposal that had not been previously reviewed ([Agenda Item H.1, Attachment 3](#)) was reviewed by the SSC at this meeting.

Diane Pleschner-Steele (California Wetfish Producers Association) presented a short summary of their EFP proposal for collecting biological samples from a limited directed Pacific sardine fishery to the SSC. The impetus for this proposal was the lack of age information for use in the stock assessment of Pacific sardine following the closure of the directed sardine fishery in 2015 as highlighted in the [2020 Pacific Sardine Stock Assessment Review Panel report](#). This EFP was designed after consultation with the analysts who conducted the last sardine stock assessment and sampling from each landing will be conducted by California Department of Fish and Wildlife personnel. Total landings will be limited to 620 mt across two areas (Monterey and Southern California). Landings will be further stratified with a goal of 20 mt per month for each area during 2021.

The SSC agreed that continuation of the collection of age-composition data was useful and the EFP should be supported.

The SSC noted there was inconsistency across the Council's fishery management plans (FMPs) in its role in review of EFPs under the respective Council Operating Procedures (COPs). The Coastal Pelagic Species, Highly Migratory Species (HMS), and Groundfish COPs all have identified a two-meeting process, but the role of the SSC differs according to the FMP. The process identified in the HMS FMP that tasks the SSC with review of selected EFPs during the second meeting, after the HMS Management Team identifies a significant scientific component that would benefit from SSC review during the first meeting, is the SSC's preferred approach.

SSC Notes:

The 2020 sardine assessment estimated annual selectivities which means that new age composition data would provide limited information about year-class strengths.

Collecting biological samples from a limited fishery with strong collaboration between the industry and state/federal agencies will prevent long data gaps such as those for the CSNA.

I. Highly Migratory Species Management

3. Biennial Harvest Specifications and Management Measures

The Council tasked the Scientific and Statistical Committee (SSC) with reviewing proxy values selected by the National Marine Fisheries Service (NMFS) to make best scientific information available (BSIA) status determinations for Eastern Pacific Ocean (EPO) bigeye and yellowfin tuna. However, due to the timing of the Inter-American Tropical Tuna Commission (IATTC) Scientific Advisory Committee, the SSC Highly Migratory Species (HMS) Subcommittee was unable to meet subsequent to the BSIA determination but before the November Council meeting.

Ms. Amber Rhodes (NMFS West Coast Region, WCR) and Ms. Sarah Shoffler (NMFS Southwest Fisheries Science Center, SWFSC) presented information about the challenges for identifying status determination criteria for these stocks. These stock assessments do not follow a standard template for reporting information and do not always report all the information needed to evaluate status based on the status determination criteria (SDC) in the HMS Fishery Management Plan (FMP). In particular, the two 2020 IATTC assessments (yellowfin and bigeye tuna) present outputs that are especially difficult to translate into existing proxies for SDC under the HMS FMP. The SSC anticipates other international organizations will use similar stock assessments in the future and so this problem with translation will likely recur in the future.

As the process for extracting SDC from these assessments can be complicated, the SSC suggests that the SWFSC and WCR develop standardized methods for dealing with these stock assessments. In the short term, during the winter of 2020-21 the SSC HMS Subcommittee will review proposed proxies developed by SWFSC and WCR for review by the full SSC during the March 2021 Council meeting. In the longer term, a workshop during 2021 or 2022 may be an appropriate venue to identify and formalize methods for extracting and translating relevant information from these stock assessments into the FMP. Both short- and long-term activities should be conducted in consultation with IATTC staff. The SSC is willing to advise on and review the methods developed by the SWFSC and WCR.

SSC Notes:

The HMS subcommittee was not convened on this topic because of the timing of the scientific review of the stock assessments (October 2020).

There is agreement that the stock assessments provide BSIA.

Due to the variety of assessments employed by the three organizations, it is unlikely that a single method would be universally applicable to all stock assessments.

Given that the MFMT is reported by these stock assessments, it appears to be a likely near term proxy that can be used as SDC.

Another option for dealing with SDC is to amend the FMP to more closely match the stock assessment methods used by the IATTC, ISC, or SPC.

There will be higher level NMFS discussions about how to approach the probabilistic frameworks used in the tuna stock assessments.

SSC Administrative Matters (continued)

6. Determining Best Scientific Information Available

The Scientific and Statistical Committee (SSC) received a presentation from Dr. Sarah Shoffler (National Marine Fisheries Service - Southwest Fisheries Science Center) and Dr. James Hastie (National Marine Fisheries Service - Northwest Fisheries Science Center) on Developing a Regional Best Scientific Information Available (BSIA) Framework. The presentation described motivation for developing a BSIA framework, the elements of the framework and the process and timing of developing and adopting the framework which must be completed by May 2022.

The framework is intended to clarify and increase transparency in how BSIA determinations, consistent with National Standard 2, are made for stock status determinations and catch specifications. The framework will spell out the current processes for establishing BSIA for products that contribute to status determinations and catch specifications, e.g., stock assessments and other science products including the roles of the Council, Science Centers, and Regional Office. The framework must be completed and publicly available by May 2022.

The framework developers will be looking for informal feedback while drafting framework. A draft will be presented to the Council in Spring 2021 and a final framework will be presented in fall 2021. The framework will not be public until Spring 2022.

There is some question about the role of the NMFS representative to the SSC and whether there is a conflict of interest for NMFS employees on the SSC, in making determinations that might conflict with assertions made by the agency. The SSC needs to clarify recusal rules for potential situations where a high level NMFS employee is the representative from NMFS to the SSC on BSIA determinations (e.g., division or deputy director) since many NMFS employees on the SSC would be subordinate to the NMFS representative.

The question was raised whether there are terms of reference for HMS assessments to be used in BSIA determinations? It is not clear that there are or whether these would be done at the National or Regional level.

It will be important to have procedures for getting expeditious BSIA determinations when Council decision must be made quickly, particularly for salmon where the determination is needed almost immediately.

C. Administrative Matters (continued)

8. Future Council Meeting Agenda and Workload Planning

The Scientific and Statistical Committee (SSC) met November 12 and 13, 2020 and discussed future Council meeting agenda items and workload planning.

A subgroup of the SSC and Mr. John DeVore have been working on a database design for Research and Data Needs, and the SSC finds this topic ready for review by other advisory bodies and the Council in March 2021. An informational report on this project is available in the November briefing book ([Informational Report 3](#)).

Work on predicting gear-switching behavior in the sablefish fishery should be ready for review by the SSC Economics and Groundfish Subcommittees before the March 2021 Council meetings and the SSC recommends this review.

At the request of the California Current Integrated Ecosystem Assessment (CCIEA) team, the SSC proposes a meeting of the CCIEA team and the SSC Ecosystem Subcommittee in January 2021 to discuss portions of the annual Ecosystem Status Report for which data collection and processing were impacted by COVID-19 precautions.

For Groundfish and Coastal Pelagic Species (CPS), the attached table shows the proposed schedule for the 2021 Stock Assessment Review (STAR) panels, as well as SSC Groundfish Subcommittee reviews of data-moderate and data-limited assessments, and the post-assessment review process at the end of the year.

The SSC supports the Sablefish Management Evaluation Strategy (MSE) team's proposal to engage with Council stakeholders in a workshop in Spring of 2021.

The SSC recommends an SSC Highly Migratory Species (HMS) Subcommittee meeting before the March 2021 Council meeting to review proposed proxies for status determination criteria to inform domestic management of bigeye and yellowfin tunas.

Finally, [Agenda Item F.1, Attachment 1](#) states that the STT's *Preseason Report I* will be available in early March 2021. The SSC is currently scheduled to meet the first week of March 2021 and, if these two occurrences happen as scheduled, there will be insufficient time for the SSC to review and approve the contents of *Preseason Report I* for the March meeting, especially if there are changes to forecast and/or exploitation rate calculation methodologies due to sampling disruptions resulting from COVID-19 precautions.

SSC Notes:

For salmon forecasts and exploitation rate calculations, suggested options are to not have SSC approval of Pre I, to approve what we have not carefully reviewed, or to put off review until the April meeting.

Proposed Workshops and SSC Subcommittee Meetings for 2020 and 2021

| | Workshop/Meeting | Potential Dates | Sponsor/ Tentative Location | SSC Reps. | Additional Reviewers | AB Reps. | Council Staff |
|----------|---|------------------------|--|--|-----------------------------|-----------------|----------------------|
| 1 | SSC Economics and Groundfish Subcommittees | Winter 2020/2021 | Council/Webinar | Economics and Groundfish Subcommittee Members | NA | GMT GAP | DeVore Seeger |
| 2 | SSC Highly Migratory Species Subcommittee | Winter 2020/2021 | Council/Webinar | HMS Subcommittee Members | NA | HMSMT HMSAS | DeVore Dahl |
| 3 | SSC Ecosystem Subcommittee | January 2021 | Council/Webinar | Ecosystem Subcommittee Members | CCIEA Team Members | NA | DeVore Dahl |
| 4 | Sablefish MSE Workshop? | Spring 2021? | Council/Webinar | TBD | TBD | GMT GAP | DeVore |
| 5 | Pacific Sardine Update Assessment Review (unless a catch-only projection is provided as recommended by the SSC, in which case the full SSC would review). | Spring 2021? | Council/Webinar | CPS Subcommittee Members | NA | CPSMT CPSAS | Griffin DeVore |
| 6 | Groundfish STAR Panel 1 Dover Sole & Data-Moderate Assessment of Spiny Dogfish | May 3-7, 2021 | Council/Webinar | Tsou (Chair) Caltabellotta | 2 CIE | GMT GAP | DeVore |
| 7 | SSC Groundfish Subcommittee Review of Sablefish Update & and Data Moderate Assessments of Copper Rockfish, Quillback Rockfish, & Squarespot Rockfish | 2 days in June, 2021 | Council/ Webinar | Groundfish Subcommittee Members (Marshall and Haltuch - Chairs) | NA | GMT GAP | DeVore |

| | | | | | | | |
|----|--|--|-------------------------|--|------------|----------------|-------------------|
| 8 | Groundfish STAR Panel 2 Lingcod | July 12-16, 2021 | Council/TBD | Field (Chair) White | 2 CIE | GMT GAP | DeVore |
| 9 | Groundfish STAR Panel 3 Vermilion & Sunset Rockfishes | July 26-30, 2021 | Council/TBD | Budrick (Chair) TBD | 2 CIE | GMT GAP | DeVore |
| 10 | 7 th National Meeting of the Scientific Coordination Subcommittee of the Council Coordination Committee | 2021? | NPFMC/ Sitka, AK | 4 TBD | NA | NA | DeVore |
| 11 | SSC Ecosystem Subcommittee | September, 2021 | Council/ Spokane, WA | SSC Ecosystem Subcommittee Members | CCIEA Team | EWG EAS | DeVore Dahl |
| 12 | Groundfish mop-up STAR Panel, if needed | September 27- October 1, 2021 | Council/TBD | TBD | 2 CIE | GMT GAP | DeVore |
| 13 | Salmon Methodology Review | October 2021 | Council/TBD | Salmon Subcommittee members | NA | STT MEW | Ehlike |
| 14 | CSNA STAR Panel | Nov. 30 – Dec. 3, 2021 | Council/TBD | CPS Subcommittee Members TBD | 2 CIE | CPSMT CPSAS | Griffin DeVore |
| 15 | Proposed Workshop for Conducting Nearshore ROV Surveys | Fall/Winter 2021 After Assessment Cycle, TBD | Council/TBD | TBD | TBD | GMT GAP | DeVore |
| 16 | Post-mortem Review of the Groundfish Assessment Process | Fall/Winter 2021 After Assessment Cycle, TBD | Council/TBD | Groundfish Subcommittee Members | TBD | GMT GAP | DeVore |

SSC Administrative Matters (continued)

7. Planning the Research and Data Needs Database

Mr. John DeVore briefed the SSC on progress made in planning and developing the Pacific Council’s Research and Data Needs (RDN) database. He went through [Informational Report 3](#) developed by the RDN Development Team. The SSC agreed with the planning effort and concluded progress was sufficient to recommend the Council and Council advisory bodies begin reviewing the database in March 2021. A fundamental decision for the Council is whether they would like to solicit RDN priorities from advisory bodies through the database or in a separate Council process.

SSC Subcommittee Assignments, November 2020

| Salmon | Groundfish | Coastal Pelagic Species | Highly Migratory Species | Economics | Ecosystem-Based Management |
|--------------------|---------------------|--------------------------------|---------------------------------|----------------------|-----------------------------------|
| Alan Byrne | John Budrick | André Punt | Michael Harte | Cameron Speir | Kristin Marshall |
| John Budrick | Fabio Caltabellotta | John Budrick | Fabio Caltabellotta | Michael Harte | John Field |
| Owen Hamel | John Field | Alan Byrne | John Field | Dan Holland | Marisol Garcia-Reyes |
| Michael Harte | Melissa Haltuch | John Field | Marisol Garcia-Reyes | André Punt | Melissa Haltuch |
| Galen Johnson | Owen Hamel | Marisol Garcia-Reyes | Dan Holland | | Michael Harte |
| Will Satterthwaite | Kristin Marshall | Owen Hamel | Kristin Marshall | | Dan Holland |
| Jason Schaffler | André Punt | Will Satterthwaite | André Punt | | Galen Johnson |
| Ole Shelton | Jason Schaffler | Tien-Shui Tsou | | | André Punt |
| Cameron Speir | Tien-Shui Tsou | Will White | | | Will Satterthwaite |
| Tien-Shui Tsou | Will White | | | | Ole Shelton |
| | | | | | Cameron Speir |

Bold denotes Subcommittee Chairperson

ADJOURN

PFMC
2/02/21

PROPOSED AGENDA

Salmon Technical Team

Pacific Fishery Management Council
Online Meeting
March 3-5 and 8-11, 2021

Instructions on how to connect to advisory body webinars will be posted to the Council's [March 2021 meeting webpage](#) prior to the first day of the meeting. Salmon Technical Team (STT) meetings are open to the public and there will be one daily opportunity for public comment. Times on this agenda are subject to change once the meeting begins. Agenda items listed under the STT Administrative Matters are in numerical order; other agenda items reflect their Council Meeting Agenda numbering. Times not specified for discussion and/or presentations will be allocated to STT's drafting and reviewing of statements, reports, etc.

Wednesday March 3, 2021 — 8:00 a.m.

STT Administrative Matters

- | | |
|--|----------------------------|
| 1. Roll Call, Introductions, Announcements, etc. | Mike O'Farrell, Chair |
| 2. Opening Remarks and Agenda Overview | Robin Ehlke, Staff Officer |
| 3. Approve Agenda | STT |

E. Salmon Management

- | | |
|--|--------------------------------|
| 3. Review of 2020 Fisheries & Summary of 2021 Stock Forecasts (9:15 a.m. discussion with SSC, use SSC meeting ID , 1:30 p.m. discussion with SAS, use SAS meeting ID , Report to the Council Thursday, March 4) | Mike O'Farrell |
| 4. Identification of Management Objectives and Preliminary Definition of 2021 Salmon Management Alternatives (2:00 p.m. SAS discussion with STT/NMFS, use SAS meeting ID , Report to the Council Friday, March 5) | Mike O'Farrell Susan Bishop |
| 1. National Marine Fisheries Service Report (2:30 p.m. SAS/STT joint discussion with NMFS; use SAS meeting ID , Report to the Council Thursday, March 4) | Susan Bishop |

Public Comment

- | | |
|----------------|----------------|
| 1. (3:00 p.m.) | Mike O'Farrell |
|----------------|----------------|

Thursday, March 4, 2021 — 8:00 a.m.

Public Comment

2. (8:00 a.m.)

Mike O'Farrell

The STT will be either in a work session, attending the Council sessions, or assisting the SAS with the development of management alternatives.

Friday, March 5, 2021 — 8:00 a.m.

Public Comment

3. (3:00 p.m.)

Mike O'Farrell

E. Salmon Management (*continued*)

5. Recommendations for 2021 Management Alternative Analysis
(3:15 p.m., Report to the Council Monday, March 8)

Mike O'Farrell

Monday, March 8, 2021 — 8:00 a.m.

Public Comment

4. (8:00 a.m.)

Mike O'Farrell

Ecosystem Management

1. California Current Ecosystem and Integrated Ecosystem
Assessment Report
(2:00 p.m., use HMSAS meeting ID,
Report to the Council Wednesday, March 10)

Chris Harvey, Toby Garfield

2. Climate and Communities Initiative Update
(3:00 p.m., use SAS meeting ID,
Report to the Council Wednesday, March 10)

Jonathan Star

3. Fishery Ecosystem Plan (FEP) Five-Year Review – Update
(3:45 p.m., use SAS meeting ID,
Report to the Council Wednesday, March 10)

Kit Dahl

E. Salmon Management (*continued*)

6. Further Direction for 2020 Management Alternatives
(4:00 p.m., Report to the Council Tuesday, March 9)

Mike O'Farrell

Tuesday, March 9, 2021 — 8:00 a.m.

Public Comment

5. (8:00 a.m.) Mike O'Farrell

E. Salmon Management (*continued*)

7. Further Direction for 2020 Management Alternatives
(8:15 a.m., Report to the Council Wednesday, March 10) Mike O'Farrell

9. Appoint Salmon Hearings Officers
(8:30 a.m., Report to the Council Thursday, March 11) Mike O'Farrell

Wednesday, March 10, 2021 — 8:00 a.m.

Public Comment

6. (8:00 a.m.) Mike O'Farrell

E. Salmon Management (*continued*)

8. Adopt 2021 Management Alternatives for Public Review
(8:30 a.m., Report to the Council Thursday, March 11) Mike O'Farrell

C. Administrative Matters

6. Future Council Meeting Agenda and Workload Planning
(9:00 a.m., Report to the Council Thursday, March 11) Mike O'Farrell

Thursday, March 11, 2021 — 8:00 a.m.

Public Comment

7. (11:30 a.m.) Mike O'Farrell

STT Administrative Matters

4. Preseason II work session Mike O'Farrell

ADJOURN

(5:00 p.m.)

PFMC

02/04/21