MATANUSKA-SUSITNA BOROUGH

350 E Dahlia Ave., Palmer, Alaska 99645

CHAIRPERSON
Mike Wood

VICE CHAIR
Howard Delo

MSB STAFF
Ted Eischeid

BOARD MEMBERS
Andy Couch
Larry Engel
Tim Hale
Tam Boeve
Amber Allen
Robert Chlupach
Ex officio: Bruce Knowles

FISH AND WILDLIFE COMMISSION
AGENDA
MSB Assembly Chambers – Back Half

Teleconference Option:

https://conf.matsugov.us/conference/95496494

Dial-in Info:	+1 (907) 861-7888
OR Internal Extension:	1113
Participant Code:	954-964-94

REGULAR MEETING 4 P.M. October 15, 2020

I. CALL TO ORDER; ROLL CALL; ESTABLISH QUORUM

II. APPROVAL OF AGENDA

III. APPROVAL OF MINUTES
   a. September 17, 2020

IV. AUDIENCE INTRODUCTIONS & PARTICIPATION (3 min./person, chair's discretion) ~ 10 minutes

V. STAFF/AGENCY REPORTS & PRESENTATIONS
   a. Coho genetics research – future work dialogue: Andy Barclay ~ 10 minutes
   b. Presentation/Dialogue: Salmon Gold ~ 20 minutes
   c. Staff report ~ 5 Minutes

VI. ITEMS OF BUSINESS
   1. FWC letter of support/resolution for ADFG Coho Genetics Study NFWF grant proposal: FWC20-04 ~5 minutes
   2. Preparations for Nov. 18 ADF&G Fisheries Update Special Meeting ~ 25 minutes

3. Follow up actions related to Resolution FWC20-03 ~ 5 minutes
4. FWC action regarding upcoming Alaska Board of Game meetings ~15 minutes
5. Report from Joint Anchorage/Mat-Su Assembly presentation by Larry Engel ~ 5 minutes

VII. MEMBER COMMENTS ~ 15 minutes

VIII. NEXT REGULAR MEETING – November 19, 2020, 4 PM – AGENDA AND PRESENTATION IDEAS?

IX. ADJOURNMENT

MINUTES - MSB FISH AND WILDLIFE MEETING - SEPTEMBER 17, 2020

I. CALL TO ORDER; ROLL CALL; ESTABLISH QUORUM

Chair Mike Wood called the meeting to order 4:05 PM

Roll Call:

Present:

In Person: Andy Couch AC, Howard Delo HD, Larry Engel LE, Tam Boeve TB.

Telephone: Mike Wood MW, Dan Mayfield DM, Amber Allen AA, Robert Chlupach RC, Bruce Knowles BK.

Absent: None.

Staff Present: Ted Eischeid TE, Stefan Hinman.

Quorum established.

II. APPROVAL OF AGENDA

LE moved to approve, HD seconded. Motion passed unanimously.

III. APPROVAL OF MINUTES

1. February 27, 2020 regular meeting minutes:

   LE moved approval of the minutes, HD seconded.

   AC made two minor corrections on red p. 5 of the packet (VI. 2 and VI. 3).

   Motion passed unanimously as corrected.

2. May 7, 2020 special meeting minutes:

   LE moved approval of the minutes; HD seconded. Motion passed unanimously.

IV. AUDIENCE INTRODUCTIONS & PARTICIPATION (3 min./person, chair's discretion)

1. Jim Sykes – had some concerns: West Susitna Access Road (WSAR) will be discussed today, and it is good that the MSB is participating and will have access to all the information; still some question over whether it will be a private or public road; there will be pressure to have it open to the public; if it comes about it should be an item for FWC concern; Supplemental Wetland

Mitigation Ordinance (SWMO) plan has been delayed again, and he hopes the FWC will consider it again and pass a resolution in support.

2. Bill Stolze - works with MSB lobbyist John Harris. – Kathy Tilton asked about legality of appointments to BOF; will get comment to Ted for distribution to FWC.

3. Stefan Hinman, MSB staff - FWC Goals for Jt. ANC/MSB meeting, agenda item VI.2.

4. Stephanie Nowers (phone), Assembly - Update: In July a 13 M$ fund for COVID damaged businesses; on Tuesday it was changed; offers new opportunities for COVID-damaged businesses; there will be a third round of grants in October.

5. Melissa Heuer (phone) – Susitna River Coalition. WSAR Comment – members of the public have had difficulty in getting maps; encourages the FWC to ask for detailed maps on this project.

V. STAFF/AGENCY REPORTS & PRESENTATIONS

a. Staff report given by Ted Eischeid

VI. ITEMS OF BUSINESS

1. Items for Updates/Action:

a. Discussion: Summer observations on local fisheries post-BOF

MW hope we can we reflect on how fishing has been impacted this summer; AC had been heavily involved;

Discussion ensued.

b. West Susitna Access Road

Discussion ensued.

c. SB 204/HB 258 Opposition - Resolution FWC 20-03

LE moved to postpone resolution FWC 20-03 until the next FWC meeting on Oct. 15; HD seconded. 5:25

LE withdrew motion after realizing what he misunderstood what resolution FWC 20-03 was; HD concurred. Motion withdrawn without objection.

MW moved to approve resolution FWC 20-03; DM seconded.

Passed unanimously.

2. Presentation at joint ANC/MSB Assembly meeting Oct. 14

Stefan Hinman – an opportunity to educate ANC on what the FWC does and the benefits it confers, especially in regards to fisheries/fishery returns. Any actions the FWC would like to happen from this joint meeting?

Discussion ensued.

3. Preparations for end-of-season ADF&G meeting

MW – are we going to have an end of season meeting?

AC moved we offer ADFG the following dates for a special fishery season 2020 update meeting: Nov. 18, Dec. 9, 10, or 16; LE seconded; Motion passed unanimously.

MW moved by October 8th each FWC member submit no more than two questions for ADFG to Ted; seconded by AC. Passed unanimously.

4. Preparations for FWC member turnover

Discussion ensued about impending terms expiring and whether anyone planned not to reapply. Assemblyman Dan Mayfield announced that he would be resigning from the FWC soon.

VII. MEMBER COMMENTS

DM: It has been an honor to serve on the FWC. Hopefully we will continue to work together if I'm elected to the state legislature.

HD: We are extremely focused on fisheries, but there is a Board Of Game meeting coming up on important local issues in Wasilla next January; can Ted print up some BOG proposal books up?; He has a BOG proposal in; does the FWC want to look at and possibly take position on some of the proposals?; would like to see us expand into wildlife issues.

LE: No comment.

AC: Would also like to look at BOG proposals; appreciates what Dan Mayfield said/does.

TB: No comment.

TE: Thanked DM for his excellent and professional service to citizens, both on the FWC and in the Assembly.

MW: thanked DM; appreciated passing FWC 20-03; good to hear everyone after the summer break; more fish than moose up on the rivers by him right now; what we did at BOF is working.

VIII. NEXT REGULAR MEETING – October 15, 2020, 4 PM – AGENDA AND PRESENTATION IDEAS

1. Salmon Gold presentation?
2. ADFG Special Meeting preparations?
3. BOG meeting in January?

IX. ADJOURNMENT

DM moved adjournment; HD seconded; motion passed unanimously at 6:27 PM.

Meeting stands adjourned at 6:27 PM.

_____ _____

Mike Wood, Chair Dated

ATTEST:

_____ _____

Ted Eischeid, Planner II Staff Dated

STAFF REPORT TO F.W.C. - TED EISCHEID

Date: 15 October 2020

Re: FWC Staff Report

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1. Correspondence

2. Supplemental Wetlands Mitigation Ordinance update

3. Interest in using Microsoft TEAMS for future meetings

4. For FWC members with terms expiring in December 2020 please contact Clerks office to reapply, Deb Wetherhorn: Ph. 861-8681, email debra.wetherhorn@matsugov.us

   a. Amber Allen
   b. Robert Chlupach
   c. Andrew Couch
   d. *Tam Boeve
   e. Bruce Knowles

5. Welcome to Assemblyperson Tim Hale

CORRESPONDENCE

From: Stephen Braund
To: Theodore Eischeid
Cc: Billman, Dan
Subject: RE: Letter of Gratitude from Mat-Su Borough
Date: Monday, September 28, 2020 10:08:08 AM

[**EXTERNAL EMAIL** - CAUTION: Do not open unexpected attachments or links.]
Hi Ted,

I apologize for my tardy response. As you know, summer is busy, and I am trying to catch up on emails.

Thank you for your email, and we do look forward to future participation.

Please do add me and Dan Billman (Dan.Billman@hdrinc.com) to the email list that sends out a reminder of the FWC meetings.

Thanks again for the email, and we look forward to future dialogue.

Best regards,

Stephen Braund
President
Northern District Set Netters Assoication of Cook Inlet
P.O. Box 10-1480
Anchorage, Alaska 99510-1480
907-276-8222 (o) 907-786-8402 (D) 907-947-0425 (C)
907-276-6117 (F)
Email: srb@srba.com

From: Theodore Eischeid <Ted.Eischeid@matsugov.us>
Sent: Tuesday, June 30, 2020 3:51 PM
To: srba-acsalaska <srba@alaska.net>
Subject: Letter of Gratitude from Mat-Su Borough

Hi Steve,

On behalf of the Mat-Su Borough, attached are gratitude documents thanking the Northern District Set Netters Association of Cook Inlet for working with the MSB Fish and Wildlife Commission at the Board Of Fisheries meeting last February to return more salmon to the Mat-Su. We appreciated the dialogue we had with you there and hope we can continue the discussion during the next three years before the next BOF meeting cycle. Please distribute these gratitude documments to the other members of the NDSNACI.

We encourage your attendance, in person or telephonically at our FWC meetings. After our summer break we'll be meeting the third Thursday of the month starting in September. You can find more details here: https://www.matsugov.us/boards/fishcommission

If you wish, I can add you to the email list I maintain that sends out a reminder of the FWC meetings about a week before they happen, along with an agenda. Please advise.

Thank you, and best wishes for a successful fishing season.

Ted

--
Ted Eischeid
Planner II
Providing Environmental Planning and Mat-Su Fish & Wildlife Commission services <•)(((((<
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https://www.matsugov.us/planning

https://www.matsugov.us/airquality

https://www.matsugov.us/boards/fishcommission

https://www.matsugov.us/fishhub

https://www.matsugov.us/bof

https://www.facebook.com/MSBPlanning/
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Office Ph. (907) 861-8606
MSB Cell Ph. (907) 795-6281
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Matanuska-Susitna Borough
Dorothy Swanda Jones Building
350 E. Dahlia Ave
Palmer AK 99645
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Sierra Mare' Le Voyager, 2003-2017…

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MATANUSKA-SUSITNA BOROUGH
FISH & WILDLIFE COMMISSION RESOLUTION SERIAL NO. FWC20-04

A RESOLUTION OF THE MATANUSKA-SUSITNA BOROUGH FISH AND WILDLIFE COMMISSION EXPRESSING ITS SUPPORT FOR THE ALASKA DEPARTMENT OF FISH AND GAME GRANT PROPOSAL TO FURTHER STUDY THE MIXED STOCK ANALYSIS OF 2019 UPPER COOK INLET COHO SAMON HARVEST SAMPLES.

WHEREAS, the Matanuska-Susitna Fish and Wildlife Commission was created in 2007 to represent the interests of the borough in the conservation and allocation of fish, wildlife, and habitat; and

WHEREAS, the Fish and Wildlife Commission has been effective in representing these interests to political leaders, government regulators, and boards of fish and game; and

WHEREAS, the Matanuska-Susitna Borough has a vested interest in utilizing science-based standards and forward looking policies to help ensure a balance between the critical fish and wildlife resources of the region with other needs of the population, including responsible resource development; and

WHEREAS, the Matanuska-Susitna Borough is home to roughly 15% of the state's population and covers over 25,000 square miles. In addition to encompassing the two major river systems, the Matanuska and the Susitna, the borough also contains a multitude of lakes, rivers, and streams that comprise critical salmon spawning and rearing habitat; and

WHEREAS, the Matanuska-Susitna Borough has spent over $8 million on salmon habitat restoration in the borough, replacing

culverts and restoring up to 100 miles of streams; and

WHEREAS, healthy habitat not only supports our fish and wildlife, but ensures clean water for our communities and key economic opportunities for Alaskans; and

WHEREAS, the Matanuska-Susitna Borough Fish and Wildlife Commission was successful in convincing the Alaska Board of Fisheries at their February 2020 meeting to adopt a number of policies that will enhance returns of salmon to area waters; and

WHERAS, economic studies in our region in 2007 and 2017 show the significant positive economic impact returning salmon have on the economy of the Matanuska-Susitna Borough; and

WHEREAS, the Matanuska-Susitna Fish and Wildlife Commission has previously supported other genetic studies of Upper Cook Inlet salmon stocks; and

WHEREAS, previous genetic work has resulted in better fisheries management; and

WHEREAS, the need for more genetic research is needed to further improve fisheries management of mixed stock salmon in Upper Cook Inlet.

NOW, THEREFORE, BE IT RESOLVED, that the Matanuska-Susitna Fish and Wildlife Commission expresses its support for the Alaska Department of Fish and Game’s grant proposal to study the mixed stock analysis of 2019 Upper Cook Inlet coho salmon harvest samples. Furthermore, the Matanuska-Susitna Fish and Wildlife

Commission believes this project will result in better fisheries management that will benefit both salmon conservation and the people who enjoy this resource in the Matanuska-Susitna Borough.

ADOPTED by the Matanuska-Susitna Fish and Wildlife Commission this ____ day of October, 2020.

_____
MIKE WOOD, Chair

ATTEST:

_____
TED EISCHEID, Staff

(SEAL)

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FISH AND WILDLIFE COMMISSION

Memorandum

October 15, 2020

To: National Fish and Wildlife Foundation

Subject: Matanuska-Susitna Borough Fish and Wildlife Commission support letter for the mixed stock analysis of 2019 Upper Cook Inlet coho salmon harvest samples

To whom it may concern,

The Matanuska-Susitna (Mat-Su) Borough Fish and Wildlife Commission (FWC) supports the Alaska Department of Fish and Game (ADF&G), Gene Conservation Lab's proposal to genetically analyze coho salmon samples collected from the Upper Cook Inlet (UCI) commercial fishery in 2019. Flowing waters of the Mat-Su Borough contain some to the most productive coho salmon habitat in Cook Inlet. Each year, coho salmon returning to Mat-Su streams are harvested by the UCI commercial fishery, lowering the number fish available for sport harvest and reproduction. However, until recently the spatial and temporal harvest of individual coho salmon stocks in the commercial fishery has been unknown, limiting fishery manager's ability to make informed management decisions to reduce the harvest of Mat-Su coho salmon stocks in season.

The Mat-Su Borough FWC has been very supportive of the Gene Conservation Lab's past genetic work in Cook Inlet, including the ADF&G's recent work with coho salmon. The borough funded a 3-year project

to increase representation of the Mat-Su coho salmon populations in the Cook Inlet genetic baseline, which resulted in an updated baseline that now allows for individual mixed stock analysis estimates for the westside Cook Inlet, Yentna River, Susitna River, Deshka River, and Jim Creek coho slamon. The borough also funded the reanalysis of 4 years (2013-2016) of commercial fishery samples using the updated baseline and finer-scale stock groupings. The stock-specific harvest estimates for Susitna and Yentna River stocks, along with in-river sport harvest and abundance estimates for Susitna (2013-2015) and Yentna Rivers (2014 and 2015), allowed the department to estimate exploitation rates for those rivers. The results from the reanalysis were published in the fall of 2019 to make them available prior to the Alaska Board of Fisheries UCI Finfish meeting in February of 2020 to help the board decide whether to accept or reject proposed regulatory changes to the UCI commercial fishery. We applaud this kind of targeted science that informs and benefits scientific-based fisheries management.

The proposed project will be a continuation of the ADF&G's efforts to better understand annual variation coho salmon stock compositions in the fishery to help inform management decisions and will provide for an additional estimate of overall run size for the Susitna River. Please take the Mat-Su Borough FWC's support into consideration when deciding whether to fund this proposed project.

Thank you.

_____

Mike Wood, Chair

NOTES - F.W.C. SPECIAL MEETING WITH ADF&G - DECEMBER 5, 2019 - K.R.

I. CALL TO ORDER; ROLL CALL

Meeting called to order at 2:30 P.M.

Members present: Andy Couch (phone), Howard Delo, Larry Engel, Dan Mayfield, Amber Allen, and Tam Boeve.

Members Absent: Mike Wood, Tam Boeve, Bruce Knowles, Bob Chlupach (excused)

Audience Members: MSB Mayor Vern Halter, Israel Payton – BOF Commissioner, Jesse Sumner – MSB Assembly Member, Bill Stoltz, _____ Martin – Senator Wilson's office, Representative Colleen Sullivan-Leonard (Phone), Stephanie Nowers – MSB Assembly Member (Phone), Senator Shelley Hughes (Phone), John Wood – BOF Commissioner (Phone), _____ Niles, Angela Stephl – Representative from Colleen Sullivan-Leonard's office, Eugene Carl-Haberman

II. APPROVAL OF AGENDA

MOTION: **Larry Engel** moved to approve the Agenda; **Dan Mayfield** seconded.

Motion approved unanimously.

III. STAFF/AGENCY REPORTS & PRESENTATIONS

IV. Ted Eischeid gave a small staff report covering "housekeeping"

V. ITEMS OF BUSINESS

1. FWC/ADF & G Dialogue On Mat-Su Fisheries

Discussion:

ADF&G gave a synopsis of its summary reports (Commercial and Sport Fisheries attached)

Final Question List for Dec. 5 ADFG joint meeting with FWC

Written Responses Requested

1) What evidence is there that Turnagain Arm salmon stocks are in better health than Susitna River Drainage salmon stocks? or Knik Arm drainage salmon stocks? Is there any reason to believe that commercial harvest rates of Turnagain Arm sockeye salmon stocks are lower than harvest rates of Susitna sockeye salmon stocks? or Knik Arm sockeye salmon stocks?

(3:53)

Brian Marston:

Andy: we are really talking about…you are saying they are just harvesting what?

2) What triggers the Department in allowing more nets for commercial harvest on the Eastside of the Northern District after it has issued an emergency order seeking to reduce the Northern District harvest of Susitna Sockeye?

Bert Lewis: (3:40)…the restrictions go away in early August because of Sockeye concerns. There are a couple different cavattes
Dan: Is that a proper management plan … to the norther district
Bert Lewis:…on July 20th – there are three options we can use … we have not used the most restrictive option.

3) For several years now the Department has been expanding the number of nets allowed to some Northern District set netters in early August by emergency order. Important Northern District sport coho salmon fisheries have had to be restricted or closed after the emergency order allowing more Northern District nets targeting coho salmon. How does the Department determine if the emergency order will be issued to allow additional Northern District commercial nets in August?

4) From guided logbook data, during the month of May how many guided anglers fished the Susitna River drainage? and how many king salmon did they harvest from the Susitna River drainage during the month of May for each year of the guided logbook program?

5) How did the 2019 management of commercial Cook Inlet salmon fisheries impact returns in the Northern District and Mat-Su Drainages?

6) Why is the Department recommending fishing for King Salmon only 4 days a year on the Parks Highway streams?

Sam Ivey: Proposal 222 … what we have seen over the last couple years in Unit 2…we are gonna have to crack that in an RC at the BOF meeting.
(Second to last.
Doug Vincent-Lane: …fishing forecast out…preseason structure…we will be waiting until after the BOF.

7) What are the effects of King Salmon fishing in early May and early June

in Unit 2 and Talkeetna River? How many fish would be harvested if a king fishery was allowed in unit 2 during May?
(3:57) Sam Ivey: Handout Reference Table for question 7.
Amber Allen:
(4:02) Sam Ivey: …we want to keep the regulations consistent…

8) At the January 24, 2019 meeting between ADF&G and the Mat-Su Borough Fish and Wildlife Commission, the question was asked about what criteria the department would use to delist a stock of concern. ADFG's written reply was, "To remove a stock from SOC status, that stock should have met escapement or yield objectives over a recent four or five-year period and the escapements should fall throughout the range of the escapement goal…."

At the recent BOF workshop, when a BOF member brought up that escapement goals had not been met consecutively over the past four or five recent years for all indicator systems the department monitors for the Susitna drainage and questioned what criteria the department was using to delist Susitna/Yentna sockeye, he was told that each system is unique and must be examined on a case-by-case basis.

Which approach do you want? Why?
(3:43) Bert Lewis: (stock of concern memo on screen)
…in general, we are meeting the escapements; for yield, …we have yield and escapement and thus we are recommending to remove (delisting). There was an action plan associated with this…those conservative management…
Howard: You are saying those are yield numbers…
Bert: This is harvest above and beyond the escapement levels. There was an error when we put this out…
Dan Mayfield: How often has our escapement goals been reduced…
Bert: I do not have that on hand
Tim McKinley: The Judd, Cheletna…we just lowered the goals three years ago. They have been the same… There was an error and now there is a committee of use to determine …. Thank you Larry for finding that.
Dan: It does appear … to the layman, it appears escapement goals are being lowered. We had a robust fish resource in years past and we have seen the recent decline in angler days…our fish resource itself continue to decline.
Doug Vincent-Lane:
Pat Sheilds: two of the three lakes did not change. Chilatna went from 20:65 to 20:45…we have met the goals…it some we met, we actually exceeded.
Doug:

Commented [KR1]: Do we have this memo?

Pat Shields: …I would say with regard to escapement goals…we probably would have an easier discussion…in the last five years, these goals have been met in a very high rate.
Israel: …we reduce net time…Good job guys.

9) ADF&G is making major changes in their king salmon management scheme for the Susitna drainage. Rather than continuing to manage on a drainage by drainage basis, the department plans to divide the area into four "sub-basins:" the Yentna; Deshka; Talkeetna; and Eastside Susitna Rivers and manage each sub-basin as a unit.

One puzzling aspect is that the "new" recommended escapement goals don't appear to be related to the original goals for each system contained in that sub-basin. Also, several areas are being downgraded from having a "biological escapement goal" or BEG, to having a "sustainable escapement goal" or SEG.

How did you arrive at the proposed sub-basin escapement goals and how will these sub-basins be managed compared to the previous individual drainages management scheme? Which "indicator systems" would be monitored within each sub-basin to see if escapement goals are being met? (HD)

Nick Decovich: prepared a presentation. New framework: This was unveiled at the BOF worksession. We had a lot of questions. Deshka weir counts (blue bar chart)

Commented [KR2]: Requested a copy of this presentation from Nick Decovich…

Matt Miller (3:12) Provided a more indepth reasoning for the presentation and goal recommendations, etc.
Israel Payton: (3:14)
Larry : I want to share some concerns that Israel just expressed. With the new technique, we drop the goals substantially. The big concern is that perhaps we need to bring that lower bar up a little bit. Maybe that is something that the BOF should do. Maximum sustain recruitment – would that be a more conservative approach? Why are we doing this…are we trying to make the runs look good?
Nick: Matt brought up the approach setting escapement goal by stock
Larry: I don't think there is any objection –if you're a looking at a precautionary approach…MSY and MSR (3:28)
Nick:
Doug:
Israel: There are a lot of definition…I have a request in an email of the state's definition of MSR?

Jim Hasbrouck: You have to have stock recuit data…
Israel: Can't you set…
Matt: I don't think so.
Israel:
Matt:
Tim McKinley:
Israel:
Tim McKinley:…we have policies to direct us to that. The hash marks mean…
Israel: The number does not equate to good fishing.

10) The entire Northern Cook Inlet King Salmon Fishery (except Eklutna) was closed preseason and remained closed in 2019. Is this likely to occur again in 2020?
Matt Miller: Deshka forecast is almost finished – hopefully done by Christmas. We do not anticipate it happening. Don't anticipate it being rosey.

11) When can we expect the 2020 Northern King Salmon outlook to be announced? And what is the timeline for 2020 season starting king salmon emergency orders (if any)?

12) What are divisional salmon research and management project priorities for Upper Cook Inlet? And please identify any programs that are likely to be eliminated because of reduced funding.

13) How many salmon streams have lost their salmon stocks - reds, silvers or kings? (In the last 40 years or whenever record keeping was started.)

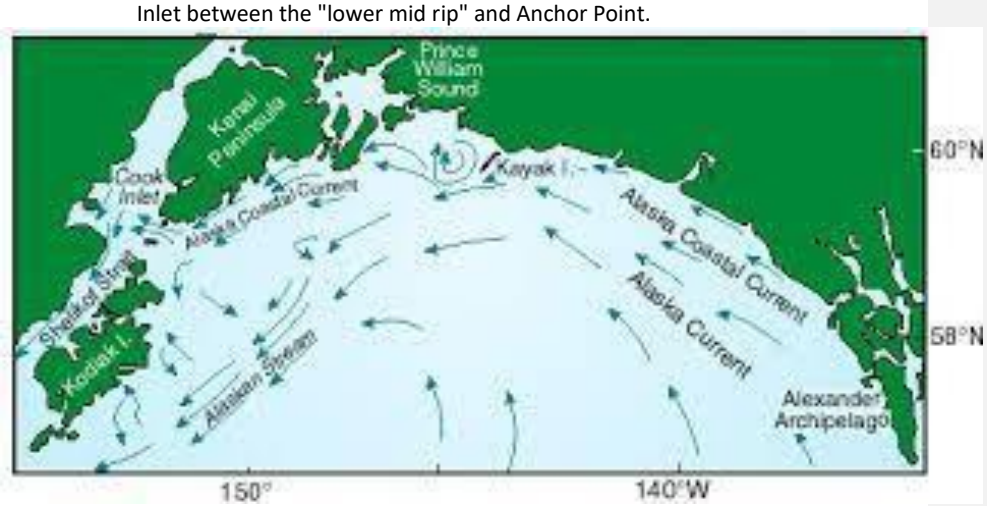
14) How many stocks have not or are not being monitored to stock numbers?

The next question results from a preamble topic discussion of Cook Inlet water circulation.

Below are two maps showing water circulation, one for the northern Gulf of Alaska, the other for Cook Inlet. Please study them carefully. I pulled each from arenas of; State and Federal agency reports and also from oil industry studies which needed this type of information in case of needed response to potential oil spills. These maps will be used to build question or questions from, as related to salmon homing back to natal streams in Upper Cook Inlet (UCI).

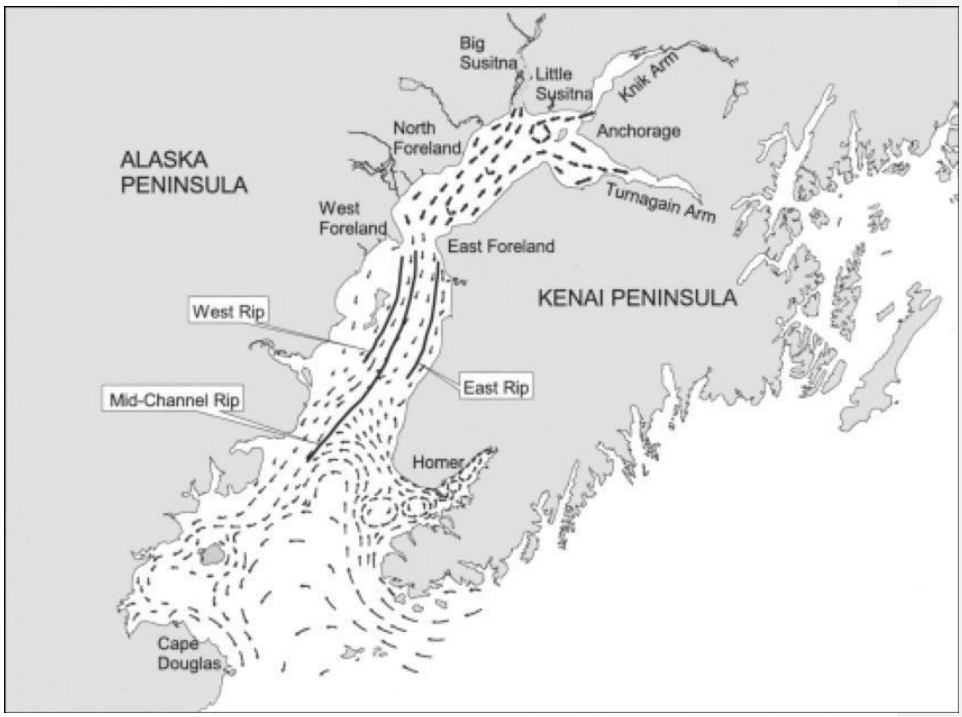
Bullet statement: Salmon can olfactorally detect concentrations as low as parts per billion (ppb) and parts per trillion (ppt).

The water circulation map of the northern Gulf, for our perusal, specifically of the northwestern Gulf where Gulf waters encroach into lower Cook Inlet water. This occurs at the lowest end of the Kenai Peninsula where it primarily influences Kachemak Bay and up into Cook Inlet between the "lower mid rip" and Anchor Point.



The better defined Cook Inlet water circulation map below shows the "lay" of "mid channel rip", "west rip" and "east rip". With an average summer flow discharge into Cook Inlet of 51,000 cubic feet per second (!!!), no other drainage emptying water into Cook Inlet even comes close or near to the outer foul poles of a baseball park as the discharge from the Susitna River. "So", Cook Inlet water is primarily composed of Susitna watershed waters. Studying the flow map, Susitna water is in the upper inlet side to side until the "eastern most" circulation hits the "east forelands" and deflects northeasterly back up the inlet into Turnagain Arm, farther continuing north to just west of Fire Island where Knik and Matanuska Rivers combine with the northerly circulation flowing Susitna influenced water to form a "gyre" just west of Fire Island. The silt seen looking across at ebbing and low tide of Turnagain Arm is due to silt deposition resulting from the settling out of silt from the northeasterly "backwash" of the Susitna River water. Below the "east forelands" there is a slight holding up of Susitna circulating water due to The Kenai River discharge making a slight hydro-barrier to Susitna water. Because the Susitna water circulation is

so dominant paralleling Kenai-Kasilof River discharges, its influence is much like an upward backwash or huge lengthy eddy of Kenai-Kasilof water moving north along the beach above the "east forelands" where eventually both Susitna and Kenai water have more mixing. As a side note, this explains why "most", not
all, salmon migrating into the Kenai River drainage occurs at high tide because at low tide the appropriate "natal" smells of the Kenai are simply not as prevalent due to the unending circulation push of Susitna water towards the lower inlet pushing Kenai-Kasilof water towards the beach. In addition to salmon coming in with the high tide, the tide pushes Kenai water northerly along the beach and slows Susitna water circulation and the combining with other waters in the immediate area.



15) Can Andy Barclay log onto a combination map of Cook Inlet water circulation, which is provided, and overlay that with the map(s) used in his 2016 "Cook Inlet coho salmon gene projects update" the additional genetic information since With additional genetic

information from draft reports, from draft reports?

16) What is the turn-around time from the point of collection rough analysis of samples taken for genetic purposes of stock ID during the Bristol Bay and Cook Inlet test fisheries, respectively, to be made available to fish managers?

17) Modeling for escapement of the Kenai-Kasilof areas, the models used are; spawner abundance adult return yields, return-per-spawner, classic Ricker model, Markov Table, Beverton-Holt model, Hockey Stick model, Brood Interaction model, Cushing Model, and Autoregressive Ricker model. Since none of these are used in UCI (?), modeling for UCI is dependent on "indicated escapement index" or an "escapement estimate" is used. At what point or criteria that it takes, does one say, the system does not work?

VI. MEMBER COMMENTS

Eugene Carl Haberman regarding the public process.

VII. COMMISSIONER COMMENTS

Doug Vincent-Lane: (4:11) Thank you.

Howard Delo: Make a request to have ADF&G to provide written comments, perferrably before BOF but by early spring would be nice. Thank the members of department, commissioners, regional people, etc. we appreciate your time… extended a formal invitation…

Dave Rutz: King Salmon are our bread and butter. Since 1973 King Salmon has been down three time…

VIII. NEXT REGULAR MEETING – Thursday, December 19

IX. ADJOURNMENT

MOTION: **Dan Mayfield** moved to adjourn the meeting; **Larry Engel** seconded.
Motion approved unanimously.

Meeting adjourned at 4:17 PM.

_____ _____
Mike Wood, Chair Dated

_____ _____

MATANUSKA-SUSITNA BOROUGH

350 E Dahlia Ave., Palmer, Alaska 99645

CHAIRPERSON
Mike Wood

VICE CHAIR
Howard Delo

MSB STAFF
Ted Eischeid

BOARD MEMBERS
Amber Allen
Tam Boeve
Robert Chlupach
Andy Couch
Larry Engel
Tim Hale
Ex officio: Bruce Knowles

FISH AND WILDLIFE COMMISSION

Memorandum

RE: Planning Doc For November 18 Special FWC ADF&G Fisheries Update Meeting

When: Wednesday, Nov. 18, 2020, 1-4 PM

Where: MSB Assembly Chambers/In person and remote participation options

What: Have a dialogue with ADF&G about the 2020 salmon commercial and sport fisheries season.

Agenda Comments?

Format Comments?

Time keeping Comments?

Public participation Comments?

FWC Questions?

SPECIAL MEETING Agenda 2 PM December 5, 2019

I. CALL TO ORDER; ROLL CALL; ESTABLISH QUORUM

II. APPROVAL OF AGENDA

III. INTRODUCTIONS

IV. STAFF REPORTS

V. ITEMS OF BUSINESS

a. FWC/ADFG Dialogue On Mat-Su Fisheries.

VI. AUDIENCE PARTICIPATION

VII. COMMISSIONER COMMENTS

VIII. ADJOURNMENT

SPECIAL MEETING 6-8 P.M. JANUARY 24, 2019

I. CALL TO ORDER; ROLL CALL

II. APPROVAL OF AGENDA

III. INTRODUCTIONS

IV. STAFF/AGENCY REPORTS & PRESENTATIONS

a. 2018 Season Summary-ADF&G b. Susitna River King Salmon Run Reconstruction-Nick Decovich

V. ITEMS OF BUSINESS

a. FWC Questions

VI. AUDIENCE PARTICIPATION

VII. MEMBER COMMENTS

VIII. ADJOURNMENT

SPECIAL MEETING 5:30 – 7:30 P.M. NOVEMBER 27, 2017

I. CALL TO ORDER; ROLL CALL

II. APPROVAL OF AGENDA

III. INTRODUCTIONS

IV. 2017 SEASON SUMMARY

V. FWC QUESTIONS

VI. MEMBER COMMENTS

VII. PUBLIC COMMENTS

VIII. ADJOURNMENT