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### **Greetings from the Yukon River Drainage Fisheries Association!**

Here is a summary of the 6th 2022 Yukon River Salmon In-Season Management Teleconference held Tuesday, July 12, 2022. Call lasted 165 minutes. 75 callers participated.

**Background:** Yukon River salmon management teleconferences are held annually every Tuesday in June, July, and August for managers and fishers throughout the Yukon River drainage to discuss fishing conditions and management strategies in real time as the salmon run is occurring. Funded by the Office of Subsistence Management and the Yukon River Panel.

**Media present:** None

#### **Political Representatives participating:**

Samuel from Senator Sullivan's office  
Jenny from Representative Rep. Foster's office.

#### **Communities participating:**

Alakanuk  
Emmonak  
Kotlik  
Mountain Village  
St. Mary's  
Pilot Station  
Marshall  
Russian Mission  
Holy Cross  
Anvik  
Nulato  
Huslia  
Tanana  
Rampart  
Yukon River Bridge  
Fort Yukon  
Eagle  
Fairbanks  
Whitehorse

## **Management Reports:**

### **Deena Jallen, Emmonak, Yukon River Summer Season Manager of Yukon River**

Work back in the Fairbanks office. Fall staff - July 18- heading to Emmonak office.

No update for the management side. Folks have seen assessment. Most Chinook have entered the river. Well below average. Lowest ever for this date. Below 50,000 Chinook total. No escapement goals expected to be met

Summer chum - second lowest on record. Only smaller one was last year.

Salmon fishing closed. 4" okay, hook and line okay (in most areas), must release kings and summer chums. Management will continue to be the same as we transition into the fall season.

### **Fred West -ADFG Summer Season Research Biologist**

- Well below escapement goals.
- Projects for summer season wrapping up. Will remove the set net. Summer chum testing continues until July 15. Slight push of summer chum over the weekend but not enough to make a dent.
- Pilot station sonar - 40,710 chinook well below historical average.
  - Summer chum 315,000 - well below average and well below the lower drainage wide goal of 900,000. Not projected to be going over that.
- Other projects:
  - Anvik - counting better than last year - 25,000 and last year was 18,000. But well below average and goal 315,000
  - All other projects are well below average
    - Eagle 586 through yesterday (Chinook) would be normal ?? 1200?
    - Specific numbers are in the assessment update that we provided today.

**Holly Carroll - Yukon River Area Manager-** The entire river is closed for the summer season. Assessment shows that we need to maintain those closures for the rest of the season. Lower river remember that Chinook and Chum can still pass by and need to be released if they're caught in nets, if they are alive.

Coordinating with ADFG. expect the same actions on Federal waters. Except, during the Fall Season, because of action of the Federal Subsistence board, some activity on coho those people need to be federally qualified users. 907-351-3029.

**Christy Gleason - ADFG Fall Season Yukon Area Manager** To fall season - fall chum pre-season projection based on historic relationship between summer chum and fall chum. Begins in Lower Yukon on July 16th. Extremely poor projection - less than 300,000 fish. Below our goal of 300,000-600,000. According to plan, all fall chum fishing must be closed. Still planning to allow current selective gear - dip nets, hook and line up to the Nulato River. Able to retain pink sockeye and non salmon. Non-salmon gillnets 4" are allowed to target non-salmon. Begin counting Fall chum salmon on July 16. We really appreciate continued cooperation during these times of conservation.

## **Department of Fisheries and Oceans Canada**

**Stock Assessment: Oliver Barker** - At the Old Crow Sonar, there are counts of 69 fish (chum) below average. Dawson had 5 fish. Klondike had 21 Chinook. Very low counts. More assessment projects starting up over the next couple of weeks. Water is on its way down, except Lake LaBarge. The Porcupine River has been dropping. Water is warm at 21 degrees Celsius.

**Jaclyn** - Acting manager - the key priority is to ensure salmon reach their spawning ground. No allocation to the First Nations anticipated.

### **Additional Topics of Interest**

#### **Dr. Edda Mutter -Yukon River Inter-Tribal Watershed Council**

Manage indigenous observing network. Operating since 2006. Main focus in water quality. Across the watershed. Have been in Yukon Territory collecting water samples. Snow melt, turbidity measurements. Understanding better impact on fish. Water temp and conductivity. Andreafsky at St Mary's and Alakanuk and Fort Yukon, and Anvik, Allakaket and Alatna River. The Porcupine. Plan to install one at Eagle. Working with TCC on Salcha. Koyukuk. Monitoring sites on Bennet Lake and other sites in Yukon Territory. Goal to better understand temperature fluctuations and how that coincides with the salmon runs. Trying to understand historical data. Two interns doing intensive data analysis.

### **Community level reports:**

#### **District Y1:**

**Alakanuk:** Max - I don't think anyone was fishing this past week but there are still a lot of humpies out there.

**Emmonak:** Billy Charles announcing himself.

**Kotlik:** Lorraina Prince - one question - does the Kuskokwim area have open subsistence fishing? I saw two newspapers, Delta Discovery, with pictures of people hanging fish on the Kuskokwim. It is really sad, we have not gotten our fish. I ordered a 4" net. A lot of us cannot afford it. Gas prices went up. Lots of people who cannot afford the 4" net. I know they were trying to take over their own management last year. A lot of people here do not have their own fish, not even any to eat. There are not a lot of summer jobs here. I used to go commercial fishing. Its not fair. Area M and Bristol Bay are doing really good. I never thought it would come to this point where we have to go 1/2 way to Stebbins. A lot of people cannot afford that.

Deena - you can search online for news releases. On Kuskokwim they assessed that they have enough to allow harvest. On the Yukon River this is different and there aren't sustainable runs to harvest from. There is a good population of pink salmon on the Yukon. Some people are lucky and some people are not, the Kuskokwim is more lucky this year.

Lorraina - A lot of us prefer chums.

#### **District Y2:**

**Mt. Village:** Stan - I have seen only one local in town subsistence netting here. He didn't have it out for very long, less than 6 hours, he got over 100 humpies mixed with whitefish and sheefish. Our water levels have continued to drop from 3 to 8 feet since last week. Lots more beach, the water temps are at 67 degrees and getting wind out of the north. This summer up to this point there hasn't been storms to bring in fish. Elder knowledge says that unless we get a good storm we won't get a good run of fish. Haven't heard of anyone else going out for subsistence other than one or two people I haven't started yet myself. Gas prices jumped up, hardly anyone going

out with 4". I heard Jackie or Deena say the start of the fall chum run will start. I heard the test fishery will happen in Mt. Village.

Christie - July 17 is a training day for the test fishery and July 18 is the official start.

Stan - will they use the same site? They may be way out in the middle of the river.

Bonnie - They won't be in the exact same place. They check for snags and it will still be next to the bank like we usually do.

Stan - there is usually one on the north side and one on the south side. Right now our sand bar is not showing, still submerged. You may have to go to the one above that.

Bonnie - they will look at that stuff when they go up on the 17th. They will figure out which are the best ones to use.

**St. Mary's:** Bill - Just listening in, nothing to report.

Eric Weingarth - panel member from St Mary's. Glad to hear that someone from Sullivan's and Foster's office are listening in. Remind you that lower Yukon is struggling with economic issues and not being able to fish. Everything is changing in the village with not being able to fish and this is going to cost the state later. People are struggling with suicide and other issue because they cannot fish. 20 years of funding and we still do not know what is going on with fish. I went up to Andreafsky and I didn't see any fish. That is the first time I have seen this. We keep waiting and waiting for federal aid. We would like them to also consider a federal buy back since they are allowing commercial fishery on our fish in other areas. It is really hard to see Elders struggling for fish.

**Pilot Station:** Martin Kelly - water dropped 3-5 feet the past couple days, water temp is 63 and above, people are starting to pick berries. Only emphasizing our concerns and what has already been shared earlier. Focus on subsistence. Not much of an economic industry in Pilot Station. Life is difficult and becoming more challenging, especially for our tribal members who have no income. Length of rivers and waterways for king, you don't need fancy measuring to know our salmon. Can use this tool for chum salmon too. I'm here because my family relies on salmon and food security, which is bleak and concerning. 8.90 a gallon for gas and diesel. \$60 for a single dinner. About 1700-2000 a month. Prices using what the AC provides in Pilot. Lower Yukon river communities relies on commercial fisheries for income, for essential items. There is a fishery disaster. We don't see money on our level, how will they help the tribe out? I believe in our subsistence rights to take what we need to survive. Over the years we've abided with ADF&G regulations, to harvest non salmon species, but most families can't afford to buy 4" mesh. From my perspective as an Indigenous person, not a biologist, I wonder what is the number one factor causing this restriction, is it the international trawlers and those wiping out the bottom of the ocean, intercepting salmon, or if it is climate change and heat disasters? Teleconference after teleconference. This isn't tribal sovereignty or self-determination. We are losing our people who are moving on to a better life outside the community, losing our identity. Who else can we talk to? Everyone else has mentioned this. Reiterated every year, it seems that we're losing effort. Thank you.

**Marshall:** Diane - Nothing new. Did survey this week. Very low (fishing? water?). Also thank Martin for his statements, I agree with him.

### **District Y3:**

**Russian Mission:** Olga - Weather is a bit cool today, water is going down. Thankful for the teleconference and the 4" nets that we can set. People are mad about raffling dryfish on Facebook, someone made \$600 on 6 quart size bags of dryfish. Makes people feel that they can pay for fish they won't get. If we can't sell our subsistence fish, it should be the same all over.

Basil - listening in, calling in from work. Water is dropping, way faster than it has all year. Where our camp is, when it drops a foot, 25' of beach show up. The humpies are here in full force and my brother is getting enough dog feed for a few days. There are some healthy ones we are eating as well as the whitefish. There are some big whitefish, the older guys say they are from landlocked lakes. The bugs are out in full force.

Deena - ADF&G - address comments from Olga. Remind folks that it is illegal both state and federal to sell subsistence caught salmon unless you have a permit. There is an anonymous number to call if you see this 1800-478-3377.

Holly- I agree. Must be frustrating for people to see this. Not a legal practice. Enough said.

Sandra Kozevnikoff - one of the Elders here. No fishing again this year. Sad to see. Life in the future, the last 2 winters was hard. Last year was even harder. We long to taste our fish that we have smoked and dried. This is our livelihood. Everything that our mothers and fathers could give us from the land. There were times last winter, we were hungry, we wanted the taste of something. We had our meat but we still long for something. That was the fish that we put up and put away in the past. I'm really saddened. I can't even buy fish from another market because I know that the people around me won't be eating that food while we are. I don't want the 4" because those little jack.... Aren't the little jacks the little kings that need to go out to the Yukon and we are catching them with our 4" nets.

Deena - Thanks for the comments, we know it's really hard to not get salmon. We hope you can get other fish besides salmon. Besides that, the jacks are the small salmon sneaking alongside adult salmon to come up and spawn.

**Holy Cross:** Alfred Demientieff - water is dropping, no one fishing

### **District Y4a:**

**Anvik:** Alberta - There seems to be nobody fishing here, no one has gotten fish. On Wednesday there will be, I wish we could fish. That's all.

**Nulato:** Martha Turner - second year of no fishing. Water dropping. A lot of fish have been jumping. More than last year. People are rod and reeling for sheefish. That's all we have been doing, trying to get as many fish of other species put away. Thanks to Martin and Olga for their comments about selling the fish when we are not even able to fish.

**Huslia:** Lisa - Spoke with 6 fishers and interviewed 4. No one fished because of the closure. It has been hot up until today. Some people have been doing 75 miles roundtrip down to a slough

where people are catching sheefish. Run of sheefish around the 17th of July. Does ADF&G or anyone have info about runs of sheefish to help people around here?

Deena - unfortunately I do not know a lot about sheefish upriver. Pilot Station does collect some info about sheefish but not the run. I think local people probably know more.

Serena - We will look into this more and see if we can get more info.

Lisa - reading ANTHC that they have more fat and protein than king salmon.

### **District Y5abc&d:**

**Tanana:** Stan Zuray - Water level continues going down. Some lingering drift is still in the river but mostly clear. Very little fishing going on. At any one time only half a dozen 4" nets in water from below Tanana to well above Rapids or over 50 miles of river. Ich disease being seen again in fish hearts this year in the few small jacks caught in subsistence 4" nets. Running about 30% positive so far but will probably increase as the season progresses. Whitefish numbers seem depressed according to a number of fishermen for a while now. Almost all humpbacks. No Summer chum yet. Only one caught in all of Rapids and no spawning beds or chum seen for now the third year in a row in spawning creeks around here.

**Rampart:** Brooke - Uplift Martin, Dr. Martin, thank you for your comments. General concerns for bycatch and intercepted fish in Area M and western Bering Sea. When you get to that section of the river, we only get Canadian bound fish. Those species are very important to a very large section of the river. I'm getting tired of comments like we should be thankful that asian stocks are being caught. It is interfering with one of the last wild runs of salmon in the world. If you are thinking of a trap for a rodent, closing the Yukon River is like catching that rat by the tail when you want to catch the body. Shutting down the Yukon River is not going to rebound the fishery unless there is a more collective effort. There have been comments that we are terrible people for asking for the bycatch to be reduced but really we are asking for solidarity in protecting these last salmon.

**Yukon River Bridge:** Randy - comment on myself growing up king salmon, I'm not interested in eating anything other than king salmon, we do get whitefish in the springtime. Devastating that a way of life has gone by, but whether or not salmon decline is manmade, climate change, we should talk about the reality of the future, we are hoping, but what do biologists say about fish making it to the spawning grounds? I participated on this call for quite a while, a couple years ago every fishing community was on this line. Thank you.

**Fort Yukon:** Kara'lisa - talked to a few fisherman who are fishing, they said they caught whitefish, sheefish. Others have not really begun or they were out of town. Water is dropping. Weather here is not. And it's smoky. We just pray we get to fish one day soon.

**Eagle:** Ruby - Pretty quiet in Eagle, we have much needed rain and cooler temperatures. Little drift and dropping water levels. Someone put their boat in the water. One resident began fishing for whitefish with a 4" net this week. Tending our gardens, taking joy in small things. Information about Bycatch Task Force zoom - I will email Catherine.

Sonya Sager - haven't called in for awhile and it has been pretty interesting. July 14th at the Eagle sonar. They are going to start killing Chinook salmon and it will be happening for 3 years. My family is very opposed to this. We have complied with everything. I was born here in 1979. We have tried and tried .. our only consolation is that these fish will go on to spawn in Canada. They are going to kill 1800 - 2000 fish here in Eagle. The upper Yukon bycatch means a lot because they go on to Canada. They say they will distribute them to locals but I won't eat any of those. 300 plus every year out of Pilot sonar plus 180-200 out of Rampart site plus 180-200 fish from Eagle. Under 30 fish would feed my family for a winter. We kipper that fish. Every study, even the 2018 study when they were sexing the fish. We opposed that because we can tell the sex without killing them. Their study proved that we can tell the difference in sex at Eagle, 100%. 586 Chinook have passed the pilot sonar at this point. Do you think this is a good time for a lethal study? I don't see how anyone could think this is a good time for this study.

Deena - Trying to understand why they aren't making it to Eagle. Lots of Ick on fish this year. 40,000 chinook have been counted at Pilot so far. Difficult project when the numbers are this low. Hopefully this gives us answers.

Sonya - I have been involved and understand the process. It is the wrong time to do this study. Killing 1,000 fish or more and we cannot feed our families. You may think it is worth it but I do not. I will not eat any of those fish that you are trying to pawn off on us. It is not just about the food. It is the spiritual connection.

Fred West - ADF&G - I understand your concern. We did have discussions with the community of Eagle when we started planning. Through those discussions we determined we were open to using local fisherman to get the samples, but through those discussions it became apparent that using the Sonar platform was the preferred method.

Sonya - no I was at that meeting and that is not preferred.

Fred - We agreed as a group to sample from the sonar and there was a discussion of using subsistence fishermen.

Sonya - I proposed that we use subsistence fisherman's harvest in times of abundance. My proposal was shot down.

Fred - There was a group consensus to use the sonar. The sample size is less than 1% of total passage by the end of the season.

Sonya - maybe in some years of abundance but not now.

### **District Y6abc:**

**Fairbanks: Virgil** - nothing going on here either. Smoke and a little rain. Last little bit of the conversation. I'm as upset as anyone here. I've been involved in this fishery Area M 580,000 chum, 5,000 Chinook salmon. None of the Chinook salmon were sampled. Doubts about the baseline they are using to ID these fish. Only one in the state that gets to go fishing, regardless of what's returning to the spawning grounds. Close the thing and let them fish on their own fishery. Let them wait until July 15 so they are mostly fishing on their own fish.

The other thing wrong, worthless hatcheries. They are starving the fish. This year we have the smallest fish on record. Hatcheries want to keep pumping more fish out. If people really are upset, politics is the only thing that will stop the worthless hatcheries and Area M.

Joe Afcan - Currently living in Wasilla. Trying to find solutions to our diminished fish in the Yukon. The only solution I can come up with is, like Virgil, elect the proper people into our US delegation and definitely our state delegation. Definitely change out the Governor. I had high hopes of getting some people into the NPFMC but the people on it are paid by the trawlers. I would like to see the Trawlers not coming to the state of Alaska. The East Coast has banned trawlers. How has Southwest banned trawling? To list those people that receiving our salmon, Mary Peltola of Bethel. Current people in congress are not effective as saving our culture, saving our fish. That includes the state delegation. They only say something when it gets close to when we cast our vote.

Dave Walker - Holy Cross - Nothing going on here. No fishing. No one is even using 4". There is no oil in whitefish at this time. One concern. Lately I've been hearing about federal qualified users. Negative on indigenous people. Welfare card that we have to qualify for our own food that was god given for our Native people. Didn't like the term, Federal Qualified User. As an indigenous person, that is negative to me.

Holly Carrol - USFWS - clear up some confusion. When the Federal Subsistence Board was requested to close the fishery and limit fishery to Federally Qualified Users. This was submitted by the community of Holy Cross and others. Then the Federal Subsistence Board passed that proposal. Whether that term appeals to you or not, I understand, we heard lots of feedback on this. To be clear, a Federally qualified user means someone who lives in the community, and does not refer to race. It refers to residence. I am sure that the Federal Subsistence Board would be interested in your comments.

## **CANADA**

**Whitehorse:** Elizabeth - Things have been interesting. Lots of fires. Closed highway to Dawson due to smoke and fire. Warm water, higher water levels and had a couple roads washed out due to beaver dams. Main road washed out. Run on groceries due to no way to resupply. Hard to find milk, dairy and toilet paper. Diversion around washout. Highway north closed due to fires. Starting to get cooler temps and rain. Salmon - just starting to come across the border. Been a lot of talk amongst First Nations about being more strict and saying absolutely no fishing, not even for youth camps. Just taking 4 or 5 for the whole community. If you set a net in the river, you will catch salmon because that is all that is in there.

For Sonya, a lot of First Nations are feeling the same way - understanding the science but feeling like this is not the year to do it.

## **Additional Comments and Questions**

### **Diana Stram - NPFMC Senior Scientist- Bycatch Report**

Actions from June Council meeting in Sitka. Governs Western Alaska subcommittee on Bycatch. July 29th, next Task Force meeting.

-Several actions moved timing to June instead of April for timing of results. Received info on salmon research from ADF&G. Updated info on impacts of bycatch on western Alaska stocks.



Reports from industry on their efforts to avoid salmon. Council does acknowledge the situation with Western Alaska subsistence fishers.

Respect to chum, pollock industry did acknowledge what they are doing to reduce bycatch.

2012 - Council chjm salmon bycatch measures

Hard cap for Chinook. If they reach their level, it is shut down. Hard cap is reduced.

10 years ago, many measures....

Council is going back to look at the environment and changes since 2012. Discuss tradeoffs, avoiding prohibited species. Staff discussion paper.

Council created a salmon bycatch committee - tribal members, government, etc. provide recommendations for discussion paper. Findings from State of Alaska bycatch committee.

Participated in their meeting on Friday and they made requests. Overall task force in November.

Requested to provide information on LTK, driving Western Alaska salmon decline.

Call for nominations in early to mid august. Council will accept nominations, provide transportation to council meetings. If task force recommendations will be reviewed. Appointed at October Council meeting.

**Serena** - I will put this on our website.

**Martin** - Question - I've been active with our salmon fishery - the late 80s and early 90s, salmon numbers were declining and I wanted to know how long trawling had been active on the Bering sea. With the chum salmon cycle, 5 years from now, the numbers going back out to spawn are going to be 500,000 less. I need solid answers from people who have been participating in the teleconference. Our request to NPFMC hasn't been acknowledged.

**Diana** - After the Magnusson act, the fleet has been changed to an entirely American fleet. Fisheries were allocated between Western fisheries and Bering sea fisheries. Early chum and chinook (2005 and 2007) numbers. The council had a hard cap, several years later implemented a lower cap. Incentivized the avoidance of chinook and chum, and incentivized not fishing the times of year where they congregate. Genetics indicate that only 9% chum are returning to Alaska. Reduce bycatch regardless.

**Billie Charles** - The other work that we are doing here is connecting fishing and the health and wellness of our communities. We got a no cost extension to work with UA to see well being is connected to harvesting and hunting on the land.

**Serena** - Please give me a call tomorrow. Any questions for Diana?

**Alfred** - Question or concern - is it true that one boat catches 80 tons of bycatch? And how many boats are out there doing that?

**Diana** - The fishery is far offshore. We do not measure them by pounds. 13,783 total number of Chinook caught in 2021. From all areas including coastal west Alaska. They do catch salmon and are trying to create avoidance measures. Discuss the amount and tradeoff of trying to avoid chinook and run into herring or avoid chinook and run into chum.

**Martin** - Question - Any effort to get bycatch distributed to the Yukon Villages?

**Diana** - Hear annually from Seashare and all the bycatch from the Pollock fishery is donated. Distribution centers in Alaska work together with partners, I'll provide info to Serena and maps. These fish have already been caught and processed. There needs to be official distribution centers, and distributed through organizations.

**Joseph Afcan** - organizations like what? I understand they accept money from Trawlers in the Bering Sea. question #1, 52 million to buy fish from someplace. Is that money from the bycatch?

**Diana** - NPFMC does not receive any money from the Trawlers. We are prohibited from accepting any money from anyone except the federal government, where we are a line item.

**Forrest Bowers, ADF&G - Area M-** Not Online

**Stan** - Question for Fred - You mentioned a study up in Eagle - what is the study?

**Fred**- You're referring to the Ick project?

**Stan** - it doesn't make sense to get the kings in the river, why not get the salmon that are in the bycatch? I wanted to get that out.

**Fred** - I appreciate that. It is difficult that we're doing these projects with these low numbers, but ICH is cyclical in nature, so we're trying to determine why these fish aren't reaching their spawning grounds. Trying to determine why they aren't meeting expectations. Once numbers get big again we can do more.

**Stan** - Thank you Fred. We're sacrificing a lot. I heard you had a meeting with Eagle to make this decision? I feel like it should have been wider. Serious enough problem. My question is if the Yukon River panel was involved besides Eagle.

**Deena**- We have been discussing ICK quite a bit. It has spun out of this bigger issue where we see Canadian Origin fish at Pilot and then they don't show up at Eagle - 10s of 1,000s of fish. ICK is a potential cause. We are trying to understand this bigger issue.

**Holly** - Stan, good points. We had tribal consultation, invited them, sent them info, let them know about it in our meetings. Did not hear a lot of concerns. We have reduced our mortalities in our test fishes. We have reduced that to the point that this study will not result in more test fish being given away. It is essential to understand this. KYUK just did a radio story yesterday.

**Stan** - Last week I brought up a question - what percent of the fishing fleet were Alaskan residents? I haven't heard the answer yet.

**Serena**- We will get that information out as well.

**Brooke** - Hi Holly, Deena - Question - If I remember correctly, the diseased fish, it doesn't impact their spawning success, so if they make it to the spawning grounds they successfully spawn. Have you thought of different ways, ie. hiring youth, real time catch? Also is it only these 2 (3) areas? Or is it season long?

**Holly** - The samples are coming from 3 areas of the river and just sampling during the Chinook season. We are looking at different ways to study this disease that may not involve mortality. For some fish, the disease will be so bad they will not be able to spawn. This study is trying to determine how many fish get it so bad they do not make it to the spawning grounds. The sampling is highly involved. It can take over 15 minutes per fish to take all the samples and it requires specific equipment.

**Brooke** - When you say Rampart, do you mean Rapids?

**Holly** - Sorry we call it Rampart Rapids.

**Brooke** - Two very different places. Training our tribes in a complicated process benefits everyone. Doesn't bring our fish back. We are seeing smaller fish. We are seeing abundant research. Yet we are the only ones restricted.

**George Donat** - For Holly - would using eDNA help determine the prevalence of ICH

**Holly**- We are taking eDNA at other locations. Not a part of this study. State of AK lab using cutting edge technology to look at ICH. If we can detect it quicker or in season, we might have a better management tool. As far as I know, no one is testing eDNA specific to this study.

*Call ended 2:45 pm*