



Cowlitz Annual Program Review and Science Conference Microsoft Teams Chat Log

Wednesday, May 19, 2021 | 10 AM to 4 PM

[9:57 AM] Bleich, Matt

Or call in (audio only)

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Phone Conference ID: 774 974 459#

[10:46 AM] Miller, Peggy A (DFW) (Guest)

Great graphs and presentation Melora!

(3 liked)

[10:52 AM] Lawrence Pryor (Guest)

Melora- my questions have to do with the new climate change models- looking forward- there were some great presentations at the salmon recover conference, last weeks AFS conference, NW Power Council and on, all discussing potential impacts in water flow and temperatures- my questions are in regards to hatchery management and adaptive management- has there been discussions in regards to potential adaptation to water flow changes- maybe release dates, or more-

[10:52 AM] Lawrence Pryor (Guest)

as well as Cowlitz Falls Collection facilities - what they may see- warmer temps may assist growth in the upper watersheds- to be seen? etc.

[10:56 AM] Lawrence Pryor (Guest)

Eric- What are your Adult Return Goals?

[10:57 AM] Lawrence Pryor (Guest)

Eric, have you done any water EDNA testing?

[11:05 AM] Glaser, Bryce G (DFW) (Guest)

Lawrence Pryor We can address development of adult return goals as part of the transition plan updates during the APR discussions this afternoon.

[11:12 AM] Lawrence Pryor (Guest)

Travis, we don't understand why you do gravel augmentation? is it for spawning beds/ potential spawning beds or just to replace displaced gravel from waterflow or ? I think I understand it's a licensing thing but why- I don't see it at other hydropower programs?

[11:17 AM] Lawrence Pryor (Guest)

Thanks- good explanation!

[11:27 AM] Lawrence Pryor (Guest)

Chris, have you started doing your SARs for the CFCF /fish you released

[11:27 AM] Lawrence Pryor (Guest)

if so how do they look- your NO SARs

[11:58 AM] Foster, Chris

I must log off now. Thank you for the opportunity to share our efforts at Cowlitz Falls. Cheers.

(2 liked)

[1:48 PM] Serl, John D (DFW) (Guest)

I realized that during the catch presentation I was discussing observation of winter catch in 2021 being fairly high and a little bit earlier than recent years, but may have inadvertently referred to 2020. My apologies.

[2:15 PM] Paul Greenlee (Guest)

Re: Hatcheries

As the SW WA Cities rep on LCFRB with no hydrology or biology training (I'm an econometrician by training), I'm probably the least expert, least informed listener ...

It strikes me that another piece of the analysis includes hatchery capacity.

I imagine if your target size for release is 15/pound, you can raise many more fry than if your target size is 5/pound. If you can raise 2x as many to 15/pound as 5/pound how does that change total (as opposed to relative) returns of adults or poundage.

It's a much more complicated calculation but the optimal strategy may involve producing lots and lots of fry and releasing them continuously to free up rearing space as needed.

[2:19 PM] Buehrens, Thomas W (DFW) (Guest)

Jack Tipping (Guest) For Coho, our redds per female has been in the 0.48-0.6 range for coho recently with 45% female, which translates to 3.7- 4.6 fish per redd (a bit higher than i quoted). For steelhead i don't have all years' data in front of me, but for 2019 redds per female was 0.59 with 60% females, which translates to 2.78 fish per redd.

[2:26 PM] Buehrens, Thomas W (DFW) (Guest)

Paul Greenlee (Guest) your observations are spot on...I didn't have time to go into detail but you are absolutely right that hatchery capacity is a huge constraint...and it's not constant either since it involves shared facilities with other species and other brood years' production. Therefore the optimization routine hasn't been super simple to parameterize. There is also a tradeoff between whether the hatchery program can replace itself and what the total return is (kind of like a classic stock trading tradoff--risk vs return!). Anyway, i'd be happy to discuss and dive into the details with you more offline if you'd like! shoot me an email at thomas.buehrens@dfw.wa.gov

[2:57 PM] Paul Greenlee (Guest)

Thank you. Thomas

(1 liked)

[3:02 PM] Lawrence Pryor (Guest)

A break would be nice

[3:02 PM] Glaser, Bryce G (DFW) (Guest)

I'll be right back

[3:03 PM] Bleich, Matt

All - we are going to go ahead and start a break, but field questions during the break. We will start the APR portion of the agenda officially at 3:15 (15 min behind schedule). Thank you

[3:05 PM] Rich (Guest)

One suggestion for future work is to develop full seeding estimates for all species in the Upper Cowlitz and Cispus basins, and probably the Tilton too.

(2 liked)

[3:07 PM] Glaser, Bryce G (DFW) (Guest)

I'm back

[3:15 PM] Sandstrom, Philip

Good comment Rich. Thank you!

[3:34 PM] Lawrence Pryor (Guest)

Matt and Bryce, WDFW Commissioners adopted a new Anadromous Salmon and Steelhead Hatchery Policy- shifting away from the old hatchery reform policy, rather supporting good hatchery management. how will it change or impact your practices now- I still hear old policy language discussion

[3:41 PM] Serl, John D (DFW) (Guest)

The salmon releases to Lake Scanewa are before spill/high water considerations. The actual distribution will be more upstream in higher water years.

[4:03 PM] Paul Greenlee (Guest)
Thank you all. I need to move on.
(1 liked)

[4:08 PM] Jack Tipping (Guest)
I have to leave, thanks for the info. Jack.
(1 liked)

[4:32 PM] Hillson, Todd D (DFW) (Guest)

Thanks All, I have to go.

[4:41 PM] Buehrens, Thomas W (DFW) (Guest)

Shoblom, Eric agreed. that's the point i was trying to make

[5:03 PM] Holowatz, Josua A (DFW) (Guest)

I'm going to need to drop off. Thank you for a great day!