EBTJV Science and Data Committee

March 8, 2023 11 am

Summary notes

Attendees:

|  |  |  |  |
| --- | --- | --- | --- |
| **Detar, Jason \*** | PA Fish and Boat Commission | Committee Co-Chair, Fisheries Biologist | jdetar@pa.gov |
| **Faulkner, Steve** | USGS | Committee Co-Chair, Supervisroy biologist | faulkners@usgs.gov |
| **Coombs, Jason**  | USFWS  | Geneticist, decision support tool developer | jason\_coombs@fws.gov |
| **Gallagher, Merry** | Maine DGIF | Native fish conservation biologist | merry.gallagher@maine.gov |
| **Lawrence, Matt** | Maryland DNR | Coldwater Fisheries Specialist | james.lawrence@maryland.gov |
| **Maloney, Lori** | Canaan Valley Institute | Coordinator, Eastern Brook Trout Joint Venture | lori.maloney@canaanvi.org |
| **Rash, Jacob**  | NC Wildlife Resources Commission | EBTJV S.C. Vice-Chair; Coldwater Research Coordinator | jacob.rash@ncwildlife.org |
| **White, Shannon** | USGS | Fisheries ecologist | slwhite@contractor.usgs.gov |
| **Gillespie, Nat** | USDA Forest Service | FS Assistant Fisheries Lead; EBTJV SC Chair | nathaniel.gillespie@usda.gov |
| **Kulp, Matt** | NPS- GSMNP | Supervisory Fishery Biologist | Matt\_Kulp@nps.gov |
| **Parker, Jerrod** | Maine DFIW | Senior Resource Biologist | Jerrod.Parker@maine.gov |

Agenda:
Swimming with Science series

Catchment updater

SWS - Planning webinar topics Google Doc link <https://docs.google.com/document/d/1wgTs5oKvDl0I9nOVihJYafUUULHf6BY3GJWyMwFVQL0/edit>

* The group looked at the Google Document for webinar topics, which are organized by main topic with specific areas underneath.
* we intend to have two related genetics webinars in the fall: reintroduction and genetic rescue.
* We will have one more webinar in May, and then likely break for the summer, and resume for the fall. We will have a meeting to reconvene planning over the summer.
* Initial thoughts included that this is a solid list, we need to adjust presentation order.
* MK suggestion to whittle down, let people vote and use top 2-3 ideas, and redo the process periodically.
* Jason agreed we can vote, starting with large categories, once the list is finalized.
	+ Action item: make sure your topic ideas and suggestions for presenters are on the list prior to March 21 Steering Committee meeting.
* A core group will reconvene after the March 21 SC meeting to finalize the list

Catchment updater

* Jason Coombs explained that there is an issue with NHD v2+ resolution especially on the coastline – some samples appear outside of delineated catchments, which causes an error in the updater (no Feature ID to return)
* Jason has a short term fi: remove from data to get to the next step. We cannot add these catchments. Merry and Jerrod expressed concern that these coastal catchments are represented somehow – but it is hard to find any delineation that can do justice to the shapes of the coastal zone. There are some 0.5 km long streams that drain straight in to the Atlantic with no other connecting catchments that have brook trout.
* Jason C. and Adam K. have been working through this.
* Matt K. asked if we will update the patch level data and metrics at some point. A: Yes – we just need to decide on an interval for this.
* Matt K. asked about an issue coding upstream not working in TN. Jason mentioned that TN was never run through the new algorithm (what is the suggested remedy here?)
* Action: Jason C. to let J.D. and Lori know what states he has gotten updater registrations from so far (Done), so that we can reach out if needed to any states that haven’t begun the process.

No other topics were suggested for the meeting

Meeting ended 11:50 am

Chat comments

[Wednesday 11:33 AM] Parker, Jerrod

How common is this? If common, could the missing areas be clipped from a higher level HUC?

[Wednesday 11:34 AM] Parker, Jerrod

We don't have a ton on the coast. I think knowing those coastal streams have BKT is important.

Extreme example, but we have some 0.5km long streams that drain straight into Atlantic with no other connectivity that have BKT.

Comment captured from prior SDC meeting chat (1/11/23)

[1/11 12:00 PM] Faulkner, Stephen P

Gallagher, Merry Ty Wagner has some data/figures showing the relationship between occupied habitat and forest cover (I think throughout the range?).

[1/11 12:02 PM] Gallagher, Merry

Yes, he does and that is another effort that has shown that similar result - something happens at around a 60-75% forest cover loss where significant declines in wild BKT occur.