

January NFHP Board Meeting Attendance

	Last Name	First Name	January 28	January 29
1	Allen	Stan	X	X
2	Austen	Doug	X	X
3	Boyles	Robert	X	X
4	Carter/Beard	Julie/Zach	X	X
5	Gilliland	Gene	X	
6	Guertin	Steve	-	
7	Horton	Chris	X	
8	Kinsinger/Beard	Anne/Doug	X	X
9	Kruse	Carter	X	
10	Leonard	Mike	-	
11	Linnell	Karen	X	X
12	Lohr/Conley	Steve/Kimberly	X	
13	Micciche (<i>virtual as able</i>)	Peter	-	X
14	Moore	Chris	X	X
15	Moore	Bryan	X	X
16	Nakayama	Ian	X	X
17	O Keefe	John	X	X
18	Perry	Steve	X	X
19	Rauch/Robinson	Sam/Carrie	X	X
20	Ringia	Adam	X	X
21	Rivers	Pat	X	X
22	Schaeffer (<i>joining day 2 1 hr late</i>)	Timothy D.	X	X
23	Shimoda	Risa	X	X
24	Slager	Jake	X	X
25	Trushenski	Jesse	X	X
26	Will	Ted	X	X

Attendance Online:

Debbie Hart (SEAKFHP)	Nate Clifton	Trent Dodson (KFHP)
Doug Nygren (RFHP)	Will Duncan (USFWS)	Daniel Wieferrich (USGS, NFHP Staff)
Dave Miko (USFWS)	Jessica Speed (Mat Su FHP)	Kate Sherman (PSMFC, NFHP Staff)
Ted Will (SEAFWA)	Joe Nohner (GLBFHP)	Simen Kaalstad (ACFHP)
Christopher Estes	Heidi Keuler (FFHP)	Therese Thompson (WNTI)
Brandon Senger (NDOW)	Lori Maloney (EBTJV)	Shannon Boyle (USFWS)
Jon Sjoberg (DFHP)	Trevor Luna (USFWS)	
Scott Miller (BLM)	Gordon Smith (HFHP)	
Sharmilla Jepsen (BLM)	Todd Ewing (SARP)	

Approved by Motion:

- Meeting summary from November 6, 2024 virtual Board meeting with additions from Christopher Estes.
- Meeting agenda for January 28-29, 2025 with addition of an Instream Flow Council update during the Governance Committee update.

Follow Up Actions:

- Slides from all presentations will be shared on the NFHP website

**National Fish Habitat Board Meeting
 Tuesday, January 28 – Wednesday, January 29, 2025
 Hyatt Silverton
 8380 Dean Martin Drive
 Las Vegas, NV 89139**

Tuesday, January 28, 2025 1:00 – 4:30 PM PST

[Webinar Link](#)

Meeting ID: 250 392 805 505 Passcode: 2ba6fs

Meeting Summary:

Time (PST)	Agenda Item	Tab	Lead(s)
1:00 PM	<p>Welcome</p> <p><i>Desired Outcomes:</i></p> <ul style="list-style-type: none"> • Around the room introductions. • Board action to approve agenda and November 2024 meeting summary. 	1	Chair Robert Boyles & All Attendees

Chair Robert Boyles started the meeting by welcoming everyone to Las Vegas and with a round of introductions. Roll was taken of Board members present in the room and online. Robert noted minor additions to the November meeting summary and a minor addition to the January Board meeting

agenda – both were approved by unanimous consent. Robert noted that the staff will need to confirm the final attendance list for the field trip in order to arrange transportation and boxed lunches.

1:20 PM **2025 Board Meeting Schedule Preview** 2 **Alex McOwen (NFHP Board Staff)**

Desired Outcomes:

- **Board awareness** of 2025 meeting schedule.

Alex McOwen briefly reviewed the Board meeting schedule for the remainder of 2025. The Board will meet on:

- June 10 virtually from 1-5 PM ET
- September 15-19 in Minneapolis, MN in conjunction with an FHP workshop
- December 2 virtually from 1-5 PM ET

1:30 PM **Nevada Department of Wildlife Welcome** **Brandon Senger (Fisheries Biologist, Nevada Department of Wildlife)**

Desired Outcomes:

- **Board** welcomed by local Department of Wildlife leadership.

Brandon Senger welcomed the Board to Nevada and gave an overview of the Nevada Department of Wildlife (NDOW) and some of their key areas of focus related to fish habitat. Brandon highlighted that Nevada is a large state and NDOW is a small agency (40 employees + seasonal employees) with 7 divisions that monitors lots of Federal and public lands. The Fisheries Division focuses on trout hatcheries, aquatic invasive species, and fisheries management across a diverse suite of habitats in Nevada. Nearly half of the 48 native fishes in Nevada are ESA listed. Some of the key challenges related to fish habitat are drought conditions, diversions and old infrastructure, and non-native species (e.g. aquarium dumping). Brandon then provided project examples of work ongoing to improve fish habitat including work at the Warm Springs Natural Area, Crowley Creek, Cave Lake, and Lake Mohave.

1:45 PM **Sport Fishing and Boating Partnership Council Overview and Introduction of New NFHP Board Member** **Chris Horton (NFHP Board and SFBPC Chair)**

Desired Outcomes:

- **Board awareness** of the purpose and mission of the SFBPC and its representative to the Board.

Chris Horton provided a welcome to Risa Shimoda, the newest NFHP Board member who is representing the Sport Fishing and Boating Partnership Council. Risa then introduced herself and shared a bit about her background.

2:00 PM **Interagency Operational Plan Update** 3 **Chair Robert Boyles, Chair-Elect Tim Schaeffer & Jason Olive (NFHP Board Staff)**

Desired Outcomes:

- **Board awareness** of the IOP draft status.
- **Board awareness** of Chair meetings with agency leadership and EXCOM discussion.

- **Board discussion** on approval level and timing.

Jason provided an overview of the Interagency Operational Plan (IOP) section that was added about interagency coordination. This section of the IOP spells out how the group may use the Interagency Fish Passage Task Force, a group established to coordinate on BIL fish passage efforts, to coordinate moving forward and expand their scope to beyond fish passage to a more holistic approach to fish habitat. This section also outlined an approach where the Fish Passage Task Force coordinator would provide biannual updates to the NFHP Board, provide copies of annual work plan and accomplishment reports to the Board, and may request assistance from FHPs on Task Force matters. Jason highlighted that this approach could provide a business model moving forward for interagency coordination.

There was some Board discussion on this matter. Some Board members expressed concerns about broadening the scope of the Interagency Fish Passage Task Force since its Charter does not reference NFHP and its scope may not be able to be expanded. It was also noted that since NFHP is not spelled out in the Charter, this would be a more informal relationship to NFHP and NFHP would benefit more from a more formal commitment which would also elevate the visibility of the Partnership.

Chair Robert Boyles briefly reported out on his meetings in the fall with several Federal agencies regarding the Interagency Operational Plan. Robert met with Martha Williams, Steve Guertin, and Dave Miko at the USFWS and had a great discussion about the IOP. During their discussion, the group agreed that the IOP should not aim for Secretarial level sign off. Chair Robert also met with Steve Lohr (Director for Natural Resources) at the USFS and was encouraged by the USFS recommitting to support and engage in NFHP in the IOP. The Fish and Aquatic Conservation Office noted that they are committed to leading an effort of interagency coordination, whether that occur through the task force or another forum. In general, the sense was that NFHP should aim for career level staff sign off of the IOP once it's final and ready.

Finally, Jason reminded the Board that we will aim for sign off on a final version of the IOP by the end of 2025. In the short term, it will be sent to the Board for their input and then to Federal partners. The Board was reminded that this document calls for an update every 5 years. There was a general sense of wariness about timing the signature of this document at the agencies and the Board agreed that the NFHP Executive Committee should convene to discuss this further following this meeting.

2:25 PM	NFHP Action Plan 3.0 Update <i>Desired Outcomes:</i>	4	Alex McOwen and Jason Olive (NFHP Board Staff)
	<ul style="list-style-type: none"> • Board awareness of internal survey results and Action Plan Team progress. • Board discussion of leadership endorsement strategy. 		

Jason Olive reviewed the survey response themes from the internal survey of Board members, FHP coordinators, and staff to gather input for the Action Plan revision process. Survey questions asked about what role NFHP should play in fish habitat conservation, what NFHP has done well, potential specific Board actions, indicators of success, and areas for NFHP improvement. He noted that the response rate was 53%. Response themes highlighted potential Board actions like communications

and marketing, completing a habitat assessment, acquiring funding, and advocacy with state fish and wildlife agencies.

An external partner survey was sent around to ~140 partners and will be closed in early February. These responses along with the internal survey results, will be used by the Action Plan team to incorporate concepts into the revision of the NFHP Action Plan. The Action Plan team will be working closely with the Science and Data Committee who is actively working on the habitat assessment to identify metrics or other elements for the Action Plan.

2:50 PM **BREAK**

3:10 PM **Planning Session for the 20th NFHP Anniversary Campaign** 5 **All**

Desired Outcomes:

- **Board develops** ideas and desired outcomes for the communications campaign for the 20th anniversary of NFHP in 2026 via small group discussions.

Jason shared that the USFWS would like to contribute \$5K in funding to support the NFHP Action Plan and 20th Anniversary rollout.

Following this announcement, the NFHP Board used rotating small group discussions to brainstorm ideas to contribute to the planning of the 20th Anniversary of NFHP in 2026. The virtual Board meeting attendees were also included in this activity – Ryan and Gary facilitated small group discussions with the virtual attendees. The key questions each group focused on are listed below:

1. What opportunities, trends, or needs should we explore to increase relevancy and/or impact?
2. How can NFHP better engage non-traditional (e.g., foundations, corporations) partners?
3. What message or theme should we communicate to our community or stakeholders as part of this celebration?
4. What are the outlets (online, in-person, events, etc.) that should be targeted during the 20th anniversary?

The results from this activity will be summarized as part of the Communications Committee update.

4:15 PM **Science and Data Committee Update** 6 **Gary Whelan and Daniel Wieferich**
(NFHP Science & Data Committee Co-Chairs)

- **Board awareness** of assessment progress and other committee activities.

Gary Whelan shared an update from the Science and Data Committee about the National Fish Habitat Assessment. Gary shared that the Michigan State University team is working diligently and an assessment product will be completed this fall 2025. The assessment product will be much improved from 2015 and features additional data on protected lands, forest fires, western water bodies, Great Lakes, and cropland datasets. The assessment will be peer-reviewed and published.

4:30 PM **ADJOURN**

5:00 PM **Social Gathering**

Wednesday, January 29, 2025 9:00 – 4:00 PM PST

[Webinar Link](#)

Meeting ID: 268 221 717 948 **Passcode:** J2NH3X

Attendance online:

Mike Leonard (board member)	Tim Schaeffer (board member)	Trevor Luna (USFWS)
Carter Cruse (board member)	Steve Perry (board member)	Louise Malden (DARE, USFWS)
Chris Horton (board member)	Zach Beard (WAFWA board member proxy)	Dave Mike (USFWS)
Kimberly Conley (board member)	Ali Schwaab (AFWA)	Scott Miller (BLM)
Gene Gilliland (board member)	Justin Chiotti (GLBFHP)	Sara Strassman (DARE)
Jake Slager (Coca Cola, board member)	Nathan Clifton	Simen Kaalsted (ACFHP)
Sharmila Jepsen (BLM, board member rep)	Sean Conley (USFWS)	Therese Thompson (WNTI)
Steve Guertin (USFWS, board member)	Connor Bevan (ASA)	Todd Ewing (SARP)
Risa Shimoda (board member)	Doug Nygren (RFHP)	Trent Dodson (KPFHP)
	Grace Adams (PLCI)	Ted Will (Georgia DWR)
	Joe Nohner (MGLP)	Amy Horstman (USFWS)
	Lisa Hollingsworth-Segedy (ORBFHP)	Shannon Boyle (USFWS)
	Lori Maloney (EBTJV)	Gordon Smith (HFHP)
	Tim Loux (USFWS)	Debbie Hart (SEAFHP)
		Jessica Speed (MatSu)
		Jessica Coakley (MAFMC)

Meeting Summary:

Time (PST)	Agenda Item	Tab	Lead(s)
9:00 AM	Welcome Back		Chair Robert Boyles & All Attendees

Robert welcomed the Board members back and shared a passage by Wendell Barry called “The Piece of Wild Things”:

When despair for the world grows in me
and I wake in the night at the least sound
in fear of what my life and my children’s lives may be,
I go and lie down where the wood drake
rests in his beauty on the water, and the great heron feeds.

I come into the peace of wild things
who do not tax their lives with forethought
of grief. I come into the presence of still water.
And I feel above me the day-blind stars
waiting with their light. For a time
I rest in the grace of the world, and am free.

9:10 AM **Policy Committee Update**

Ian Nakayama (TRCP,
Policy Committee
Chair)

Desired Outcomes:

- **Board awareness** of ACE Act Reauthorization and Policy Committee activities.
- **Board awareness of** FHP Advocacy Guidelines.

Chair of the NFHP Policy Committee, Ian Nakayama, shared an update with the Board about the reauthorization of the ACE Act which passed in December 2024. His full presentation can be found [here](#). He walked through the changes in the reauthorization and the short- and long-term Board actions that are needed to implement the changes.

The Board had an opportunity to ask questions, which are documented below:

- ***Will the reauthorization be impacted by recent Executive Orders?***
 - No
- ***What messages resonated with Congressional staff?***
 - NFHP project tracking database was a super useful tool! NFHP punches above its weight-class. Leveraged funds is a powerful message. Not everyone has heard of NFHP, relied on Champions (e.g. Crapo, Wittman)
- In chat (From FHP): We've heard that partners are unable to submit for reimbursement through ACE (FY24) due to the Executive Order and grant freeze.
- ***Government affairs call this Friday with Kurt Theide*** – Tim Schaeffer will share updates about funding situation

Ian also highlighted that the Policy Committee has developed Policy Advocacy Guidelines for FHPs. This document includes a checklist to determine whether or not to advocate for a particular policy or piece of legislation. The Policy Advocacy Guidelines document will be circulated once finalized following the Board meeting.

Finally, Ian updated the Board on the Federal appropriations process. He reminded the Board that we are currently on a Continuing Resolution which ends on March 14, 2025. Ian reminded the Board that we have a bit of room (\$400K) to fully expand into the NFHP authorization for funding. Agencies are in progress with budget planning discussions for FY27. Ian reminded agencies that the Policy Committee is able to support with requests for the authorized amounts for Scientific and Technical Assistance funds.

Finally, Ian noted that NFHP Policy Committee is tentatively planning virtual hill meetings in March and will be working with FHP coordinators to link up with targeted members of Congress.

10:00 AM **USFWS Update**

Steve Guertin (USFWS,
NFHP Board Member)

Desired Outcomes:

- **Board awareness** of USFWS FY 2025 budget outlook and FAC Program strategic plan development.

Steve Guertin shared that the USFWS had been preparing for this administration transition since last spring and is currently working with the landing team. He shared that the Doug Burgum is the nominee for the Secretary of Interior and Kate MacGregor is the Deputy Secretary of Interior. The USFWS has been following the Executive Orders as they were issued. There was a court ordered halt on 1/28/25 on issuing of existing grants until 2/3/25. Steve requested everyone's patience as things are processed and grants come back online. He shared that the USFWS will continue to message about the good work funded through their office.

Finally, Steve reminded the Board that the Fisheries and Aquatic Conservation (FAC) Division is undergoing their Strategic Plan development. They had a webinar in November to gather input for the plan and hope to wrap up the plan in summer 2025 and finalize around fall 2025.

10:15 AM **Fishery Management Councils and Marine Fisheries Commissions**

Stan Allen and Chris Moore (NFHP Board Members)

Desired Outcomes:

- **Board awareness** of the difference between Councils and Commissions and how each engage in habitat conservation.

Stan Allen and Chris Moore provided a [presentation](#) overview on the roles and responsibilities of the 8 Fishery Management Councils and 3 Marine Fisheries Commissions.

Councils:

- Manage 3-200 miles, develop FMPs, set annual catch limits, research priorities, and conducting public hearings and gathering public input
- Habitat - Magnuson provisions call for EFH, Deep -sea coral habitat conservation authority, and EBFM
- Northeast regional habitat assessment (NRHA) - work products have been released (NHRA data explorer)
- State of the Ecosystem report
- Fishing gear effects on marine habitats – national database
- Council coordination committee – have a habitat subcommittee

Commissions:

- Great Lakes Commission, Pacific Salmon Commission, Halibut Commission (all do different things)
- 3 MFCs formed in 1940s as compacts, quasi-governmental, state/local government

- PSMFC added Hawaii to their list of states in 2024
- **Mission:** Promote and implement conservation, development, and management of fishery resources of mutual concern to member states
- Commission manages within 3 miles of shore
- No regulatory management authority for Pacific and Gulf, but Atlantic has management authority for 27 species
 - PSMFC houses a lot of data – databases and works closely with FHPs, fiscal sponsor for 3 FHPs, ASMFC is sponsor for ACFHP, also serve on FHP committees
 - Rock reef spatial data work, Klamath dam removal, protection scenarios
- Opportunities for bridging gaps – attend a meeting, can lobby and talk with Congress, legislative committees, steering committee meetings (Board buddies), connect habitat work to management actions

Questions:

- How do folks get appointed to Councils? Why are lobbyists on Council? – *state Governor works with Sec of Commerce, specific exemptions related to conflict of interest*
- Councils funded through Federal govt (NOAA Fisheries)
- Commission – 87 funding sources for PSMFC – BoR, ACE, NOAA, states, Tribes,
- How did ASMFC get management authority – *an act of Congress*
- How well versed are Commissions on NFHP? How well do they carry our water? *PSMFC and ASMFC are very well versed, Gulf is a bit different*
- Great Lakes Commission is very different

10:40 AM **BREAK**

11:00 AM **Governance Committee Update**

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Doug Austen

*(Governance
Committee Chair)*

Desired Outcomes:

- **Board awareness** of committee progress towards a full NFHP Procedures manual.
- **Board approval** of shifting Board seats post reauthorization (Councils/Commissions/Commercial Fishing).

Doug Austen, Chair of the Governance Committee, updated the Board on the NFHP Procedures Manual (presentation found [here](#)). The Board’s Committees have all developed their Terms of Reference documents for the manual and the Governance Committee will be working next to document other, more detailed processes around funding allocation with the USFWS for input into the manual.

Doug also shared a Governance update related to two current Board members – Chris Moore and Stan Allen. Currently Chris Moore represents commercial fisheries interests and Stan Allen represents

Councils and Commissions. Give the ACE Act reauthorization carves out separate seats for Councils and Commissions, Chris would like to move back into the seat representing Councils and Stan, Commissions. Doug presented a suggested motion for the Board: Vote to approve shifting Chris Moore to represent Fishery Management Council Stan Allen to represent the Marine Fisheries Commissions and advertise a vacancy to be filled representing commercial fisheries interests. It was clarified that Stan and Chris’s terms would remain the same (both expiring in February 2027) and the new representative of commercial fisheries interests would be a three year term. That motion carried unanimously among the Board.

Doug also presented question of whether or not to undertake a NFHP Board Evaluation that came up in some Governance Committee discussions. He called on Board members (Stan Allen, Gary Whelan, and Steve Perry) to provide the history on previous NFHP Board Evaluations that were done in 2010 and 2013. There was robust discussion among Board members about whether to undertake another Board evaluation. Common discussion themes and concerns included:

- *Whether or not to hire an outside facilitator (how can we keep costs low?).*
- *We need to be clear about why we are undertaking a Board evaluation.*
- *What were the outcomes of previous evaluations, what was done in response?*
- *Who are we asking for feedback?*
- *It could be beneficial to review Committee membership to ensure representation comes from different sectors/background/perspectives.*
- *How could we use an evaluation to be reflective about how to better represent our respective constituencies on the Board (e.g. agricultural interests)?*

Steve Guertin offered that the USFWS used an outside consultant for the Fish Passage Program review and that may be a resource NFHP could consider using. There was agreement that the Board Executive Committee would further this discussion at an upcoming meeting and that Board staff would circulate materials and a synthesis from the previous Board evaluations.

Finally, Doug shared an update about the Instream Flow Council. Following the last Board meeting, the NFHP Chair provided a letter in support of this effort among others (e.g. AFWA, AFS, etc.). The group is now discussing who/where could be the national host for the Center. The call for proposals is currently open and accepting applications. The Board can learn more about the effort at the [IFC website](#).

1:30 PM	Communications Committee Update	Pat Rivers <i>(Communications Committee Member)</i>
	<ul style="list-style-type: none"> • Board awareness of committee activities and plans for 2025. • Board views the new NFHP video. 	

Pat Rivers, acting Chair of the Communications Committee, shared a brief update and some common themes from the small group discussions on meeting Day 1. Overall, NFHP can do a better job telling our story and broadening our messages to reach audiences we’re missing. He highlighted that we want to be sure the communications themes should be grounded in the Action Plan. He shared that

there is a need for a Communications Plan with specific deliverables. Some Day 1 small group discussion themes are below:

- Q1 – there are many other anniversaries ongoing in 2026 (MSA, EFH), 250th of USA
- Q2 – highlighting clean water (universal message), booths at non-traditional organization meetings (Tribal)
- Q3 – Multiple themes for multiple audiences, cost efficiencies, more time on recreational fishing
- Q4 – social media, NPS (Instagram), BassPro, Orvis, other Yamaha

Ryan Roberts provided an overview of some statistics from the NFHP website and newsletter (1700 subscribers with 30-37% open rate). In total we have 5.4K active users of the website and are active on Facebook and LinkedIn with posts that were provided by Monster Media.

Board discussion on the 20th Anniversary discussions continued and focused on cautionary tales about hiring outside help for communications and how to rely on existing Board member organizations (e.g. Coca-Cola) to advise on an approach for the anniversary campaign. Board members also expressed caution against spending too much funding on the campaign and trying to be too all-encompassing with our messaging (best to identify a specific audience). It was also recommended that this is carefully planned in coordination with the Beyond the Pond team.

1:50 PM **Partnerships Committee Update**

Stan Allen, Bryan Moore, & Joe Nohner
(Partnerships Committee Tri-Chairs)

Desired Outcomes:

- **Board awareness** of committee progress to implementing the *reauthorized* ACE Act and key short- and long-term Board decision points.

Bryan Moore provided an update from the [Partnerships Committee](#). The Committee has been working on some of key provisions from the reauthorization of the ACE Act including the funding timelines. Bryan highlighted that the non-Federal match funding requirement is now at the FHP level (summation of all project dollars) and excludes coordination/operational funding. This can easily be implemented in the evaluation of projects in the proposal process for FY26. The Committee has discussed options for implementing an abbreviated funding timeline for FY27 which will take the process from ~18 months to ~12 months, depending on the Federal budget timing which is always uncertain.

Bryan noted that he is seeking volunteers to join the NFHP Project Review team. This is a great way for Board members to become more familiar with the individual activities of each FHP.

2:10 PM **Reappointment of Existing Board Member**

Chair Robert Boyles

Desired Outcomes:

- **Board vote** on reappointment of Board member whose term is expiring.

During this agenda item, the Board elected to renew a three-year term for existing Board member representing the Tribes of the lower CONUS, Adam Ringia, who has expressed interest in remaining on the Board. The motion was put forward by Doug Austen, and seconded by Stan Allen and approved unanimously by the Board.

2:13 PM **Executive Session: Selection of New Board Member** 8 **Chair Robert Boyles**
Representing Tribes in Alaska

Desired Outcomes:

- **Board vote** on one of four candidates provided by the Secretary of the Interior.

During this agenda item, the Board moved into executive session (*motion by Bryan Moore, seconded by Adam Ringia*) to discuss the Alaska Tribal nominees provided by the Secretary of Interior. Upon returning from executive session where no actions were taken (*motion by Karen Linnell, seconded by Stan Allen*), the Board voted on appointing the newest Board member. USGS, and USFWS both recused themselves from the vote and BLM did not vote. Charles (Charlie) Wright was selected by the Board to represent Alaska Native Tribes on the NFHP Board.

3:20 PM **NOAA Update** **Carrie Robinson (NOAA Fisheries)**

Desired Outcomes:

- **Board awareness** of latest NOAA funding initiatives in support of habitat restoration and conservation.

Carrie Robinson shared an update from NOAA Fisheries. Three political appointees are getting situated at NOAA and Howard Lutnick, nominee for the Secretary of Commerce, had his confirmation hearing this morning. The NOAA NFHP funding opportunity remains open for projects that improve habitat and engage the rec fish community through April 18. Carrie shared that to date, NOAA has provided 215 BIL awards via cooperative agreements, \$985M all in habitat restoration and fish passage projects. The total demand for these funds was around \$5 billion. NOAA still has four opportunities open and are working with the new administration to issue further guidance.

3:30 PM **USFWS Fish Technology Centers** **Dr. Jenny Gumm**
(USFWS FAC Program)

Desired Outcomes:

- **Board awareness** of USFWS Fish Technology Centers and how they may collaborate with FHPs.

Invited speaker Dr. Jenny Gumm provided an overview [presentation](#) about the USFWS Fish Technology Centers. The mission of the Fish Technology Centers is leadership in scientifically-based management of fishery resources. The centers employ 1200 employees and feature research programs focused on genetics, aquaculture, fish passage, quantitative ecology, population dynamics,

biological banking and cryo, and physiology and nutrition. Dr. Gumm highlighted the focus of work at the various regional centers.

3:15 PM **BREAK**

3:50 PM **Desert Fish Habitat Partnership Field Trip Preview** 9 **Jon Sjoberg** (*Desert FHP Coordinator*)

Desired Outcomes:

- **Board awareness** of the field trip to visit Desert FHP sites for Thursday, January 30th.

Jon Sjoberg provided an overview of the Desert Fish Habitat Partnership field trip for meeting Day 3. The Desert FHP is one of two FHPs focused on non-game fishes and is a very unique FHP. They cover 11 states and focus on the west and southwest. Jon reviewed a few specific DFHP projects including the Wall Canyon Sucker, Hot Creek Habitat Improvement, Condor Canyon restoration, Muddy River, and Ash Meadows.

4:30 PM **Executive Session (*if needed*) or Additional Board Discussion**

4:00 PM **ADJOURN**