

California Fish Passage Forum 2020 Work Plan

Governance Committee

Chair(s): Bob Pagliuco

Members: Damon Goodman, Stan Allen, Anna Halligan, and Holly Eddinger

The California Fish Passage Forum Governance Committee coordinates the Forum's collective work plans and budget; coordinates and communicates with NFHP regarding, but not limited to, administrative requests, reporting, project solicitations and "10 Waters to Watch" efforts; drafts Forum business documents, such as press releases, the Strategic Framework, bylaws, the Forum's MOU, letters of support, grant applications, application forms and score sheets; assists in coordination of Forum efforts and ensures member participation in Forum meetings, working groups and committees; and facilitates the formation of work groups and assist Forum work groups and committees as needed.

GOAL #1. Ensure the annual NFHP funding process is efficient and streamlined.	Timeline	Funding	Governance Committee Contact	Status
Task 1: Review the Forum's evaluation criteria, compare, and align if necessary with NFHP Project Tracking Database criteria.	July 2020	NA	Alicia Marrs	
GOAL #2: Summarize Forum committee/working group financial requests/needs for 2020 and develop a budget.	Timeline	Funding	Governance Committee Contact	Status
Task 1: Collect the entire Forum's working group/committees' work plans and summarize all of the financial requests.	April 2020	Ongoing	Bob Pagliuco, Stan Allen	
Task 2: Monitor additional funding opportunities from Forum member organizations (CDFW, NOAA, USFWS etc.) and non-member organizations (i.e. NFWF) to support Forum projects/initiatives and make strategic recommendations on which to pursue.	Ongoing	NA	Bob Pagliuco, Alicia Marrs	
Task 3: Prioritize financial requests based on our strategic plan and available funding, and review MSCG funds and NFHP funding to determine what projects within the plans can be supported in 2020.	Feb – July 2020	Ongoing	Bob Pagliuco, Stan Allen	
GOAL #3: Monitor progress of the working groups against their objectives.	Timeline	Funding	Governance Committee Contact	Status

Task 1: Review the work of Forum committees and working groups, and identify opportunities for these entities to contribute work products that advance the mission of the Forum. Address ongoing requests from NFHP and other entities.	December 2020	NA	Damon Goodman	
GOAL #4: Perform the functions of a Governance Committee on behalf of the Forum on an ongoing basis.	Timeline	Funding	Governance Committee Contact	Status
Task 1: Vet topics of interest from external entities, develop Forum meeting agendas, screen topics before they are discussed with the entire Forum, ensure Chair and Vice-Chair positions/elections are on track, etc.	2x annually	NA	Bob Pagliuco	
Task 2: Review the Forum Bylaws and MOU	January 2020	NA	Bob Pagliuco, Alicia Marrs	
Task 3: Make agreed upon minor revisions to the Strategic Framework (the next major update is scheduled for 2023 in preparation for the next strategic framework which will begin in 2024)	January – April 2020	NA	Bob Pagliuco, Alicia Marrs	
GOAL #5: Convene federal and state agencies and other stakeholders at an event that highlights issues and provides solutions to various element of fish passage in California.	Timeline	Funding	Governance Committee Contact	Status
Task 1: Support the Education & Outreach Committee to develop an event to coincide with World Fish Migration Day	April 2020	TBD	Bob Pagliuco, Anna Halligan, Alicia Marrs	
GOAL #6: Ensure Forum committees are well staffed, and seek opportunities to expand Forum membership and opportunities for other entities in California to participate in Forum deliverables.	Timeline	Funding	Governance Committee Contact	Status
Task 1: Expanding Governance Committee membership to include one state agency representative	December 2020	NA	Bob Pagliuco, Anna Halligan	
Task 2: Seek new Governance Committee chair.	December 2020	NA	Bob Pagliuco	
Task 3. Solicit interest in expanding the Forum’s membership in 2020	December 2020	NA	Bob Pagliuco	

California Fish Passage Forum 2020 Work Plan Science and Data Committee

Chair(s): Sandi Jacobsen & Alex Jones (co-chairs)

Members: Damon Goodman, Brett Holycross, Bob Pagliuco, Tom Schroyer, Anne Elston, Holly Eddinger, Megan Sheely, Kristine Atkinson, and Alicia Marrs

The California Fish Passage Forum Science and Data (S&D) Committee creates and coordinates working efforts to address data and science needs important to achieving Forum's goals and objectives, in accordance with the Forum's bylaws. The committee also collaborates with the National Fish Habitat Partnership Science and Data Committee to the extent possible, other Fish Habitat Partnerships (FHPs), and other statewide and regional working groups to address shared goals and objectives. To ensure that the committee is fulfilling its responsibilities on behalf of the Forum, the committee develops an annual work plan outlining the goals and objectives for the following year. The following work plan includes activities the Science and Data Committee plans to pursue for calendar year 2020.

GOAL #1: Identify and remediate data gaps related to barriers to anadromous fish migration.	Timeline	Funding	S&D Committee Contact	Status
Objective 1: Integrate Pacific Lamprey passage data into the Passage Assessment Database (PAD)				
Task 1.1: Once a funding source is identified, implement strategy developed in 2018 to complete Pacific Lamprey passage assessments in CA, starting with a case study on the Sacramento River.	December 2020	TBD	Damon Goodman (USFWS)	Initial work has been completed. Project is being partially funded through FY19 NFHP funding cycle. Additional funding will be sought in FY20.
Task 1.2: Integrate changes made to the PAD in 2019 into the public facing tool (e.g., lamprey assessment form fields and other database changes).	Spring 2020	PSMFC to support	Anne Elston (PSMFC)	Database changes were made to the PAD in 2019 to allow for incorporating Pacific Lamprey passage information into the PAD. In 2020 this will be integrated into the public facing tool.
Objective 2: Continue to support quality control and updating of PAD data.				
Task 2.1: Revise the gap analysis to include historic steelhead watersheds in Southern California. Information could be validated using Smith and South Fork Eel River. Use watersheds for which we have baseline now – then add others as baseline and tracing is completed for the entire state. Add	Spring 2020	TBD	Anne Elston (PSMFC), Brett Holycross (PSMFC)	Initial work is completed. Anne provided data gap points to Brett. He compiled these (and the road layer information also from Anne) on a Map Viewer for the S&D

data gap points to BFH layer in FISHPass, and incorporate into the Forum's 2020 RFP.				Committee to review. Considering including the BFH layer as well. Data will be refreshed in 2020 and additional watersheds will be included.
Task 2.2: Prioritize areas with PAD data gaps to direct future PAD assessments. Incorporate this into the Forum's 2020 RFP.	Summer 2020	TBD	Anne Elston (PSMFC), Brett Holycross (PSMFC)	
Task 2.3: Apply for funding opportunities to fund the highest priority assessments identified in Task 2.2.	Ongoing	TBD	Alicia Marrs (CFPF)	Discuss with Forum Steering Committee at in-person meeting in Santa Cruz Feb 2020
Task 2.4: Develop a QA/QC Plan for the PAD.	June 2020	TBD	Anne Elston (PSMFC)	
Task 2.5: Implement PAD QA/QC Plan.	Ongoing in 2020	NA	Anne Elston (PSMFC)	With support from the FISHPass Working Group (FPWG)
Objective 3: Update and modernize Fish Passage Incidental Report				
Task 3.1: Conduct annual review (and update if needed) of Fish Passage Incidental report (paper and mobile versions)	December 2020	NA	Brett Holycross (PSMFC) and Damon Goodman (USFWS)	
Task 3.2: Work with the Forum's Education & Outreach Committee to increase use and familiarity of the mobile app and paper form. Work with Forum-funded projects to integrate it into their projects where applicable.	December 2020	NA	FPWG	
GOAL #2: Facilitate prioritization of barriers to anadromous fish migration in California.	Timeline	Funding	S&D Committee Contact	Status
Objective 1: Develop FISHPass barrier prioritization tool and provide an open-access version via the website.				
Task 1.1: Update data used in FISHPass (e.g., stream tracing, PAD and cost data) quarterly.	March, June, September, December 2020	NA	Brett Holycross (PSMFC), Anne Elston (PSMFC)	
Task 1.2: Coordinate with members of the Forum Education & Outreach Committee to execute FISHPass rollout strategy. Facilitate application of FISHPass tool when opportunities arise (e.g., FRGP and others). Identify potential groups that would use the tool; offer assistance in running and evaluating outputs.	Ongoing	NA	Alicia Marrs (CFPF), Anne Elston (PSMFC), Alex Jones (USFWS)	FPWG is organizing a FISHPass demonstration in conjunction with the Forum meeting in Santa Cruz.
Task 1.3: Continue to update the FISHPass user manual as needed.	Ongoing	NA	Alicia Marrs (CFPF)	

Task 1.4: Create and share with S&D Committee quarterly summaries of the users of FISHPass.	March, June, September, December 2020	NA	Brett Holycross (PSMFC)	
Task 1.5: Develop a parallel GIS-based FISHPass analysis for Southern California resident rainbow trout above dams and large barriers to prioritize relocation sites.	December 2020	TBD	Sandi Jacobson (Caltrot), Brett Holycross (PSMFC)	Funding secured to implement 2020.
Task 1.6: Continues to investigate ways to utilize FISHPass (or other approaches for prioritizing barrier remediation projects) in the formal assessment of projects submitted for Forum funding.	December 2020	NA	Damon Goodman (USFWS), Alicia Marrs (CFPF), Alex Jones (USFWS)	
Task 1.7: Conduct a literature and data review of FISHPass to assess its validity in practice.	December 2020	NA	Alex Jones (USFWS)	
Objective 2: Continue to improve non-PAD FISHPass inputs.				
Task 2.1: Continue to collect and refine the barrier remediation cost data (including from NFHP), and adjust existing cost data for inflation (obtain what coordinates represent – center of project, downstream, etc.) Specific focus in 2020 will be on improving the tide gate dataset and applying to FISHPass.	December 2020	NA	Alicia Marrs (CFPF), Bob Pagliuco (NMFS), Anne Elston (PSMFC), Brett Holycross (PSMFC), Alex Jones (USFWS)	
Task 2.2: Explore potential improvements to passability rating (0-1) for all barriers (literature review)	TBD	NA	Brett Holycross (PSMFC), Alex Jones (USFWS)	
Task 2.3: Develop draft upstream habitat quality layer using NorWeST stream temperature data and other attributes.	December 2020	NA	Brett Holycross (PSMFC), Damon Goodman (USFWS)	Completed initial analysis and the process will be ongoing in 2020.
Task 2.4: Develop a strategy, in coordination with the new PAD QA/QC plan, to regularly review existing FISHPass inputs.	Annually	NA	FPWG	Ongoing
Task 2.5: Create a simplified (Rcode) version of FISHPass.	Spring 2020	NA	Damon Goodman (USFWS)	
GOAL #3: Report data compiled by the Science and Data Committee to the public and the NHFP.	Timeline	Funding	S&D Committee Contact	Status
Objective 1: Facilitate plans to monitor effectiveness of fish passage restoration efforts.				
Task 1.1: Outreach to completed Forum projects requesting monitoring data and current status of remediated site(s).	Spring 2020	NA	Alex Jones (USFWS), Alicia Marrs (CFPF)	After initial effort is complete to currently completed projects, will modify approach (email template) to coordinate with ongoing effort

				working with funding recipients to close out projects once completed.
Task 1.2: Compile list and perform outreach to other recently completed projects (that did not receive Forum funding) requesting monitoring data.	Fall 2020	NA	Alex Jones (USFWS), Alicia Marrs (CFPF)	
Task 1.3: White paper on overall costs and benefits of barrier removal incorporating the coast analysis and results from analysis of effectiveness monitoring data	December 2020	NA	Alex Jones (USFWS)	
Objective 2: Continue to compile barrier remediation case-studies and convey them to the public.				
Task 2.1: Assess the need for new case-studies that have documented effectiveness monitoring to highlight the importance of barrier removal. If deemed useful, develop as appropriate and post to Forum website.	December 2020	NA	Alicia Marrs (CFPF), Sandi Jacobsen (CalTrout), Alex Jones (USFWS), Bob Pagliuco (NMFS)	
Task 2.2: Coordinate and oversee reporting of relevant datasets to the NHFP Science and Data Committee (e.g., habitat assessments, completed habitat improvement projects), as requested.	As needed	NA	Kate Sherman (PSMFC), Brett Holycross (PSMFC), Alicia Marrs CFPF)	
Task 2.3: Report back to the S&D and full Forum Steering Committees on NFHP Science and Data Committee meetings.	After National Science and Data meetings	NA	Kate Sherman (PSMFC), Brett Holycross (PSMFC), Alicia Marrs CFPF)	
GOAL #4: Facilitate communications between the Forum and other related organizations.	Timeline	Funding	S&D Committee Contact	Status
Objective 1: Coordinate with other Fish Habitat Partnerships (FHPs) including, but not limited to the Pacific Marine Estuarine Partnership (PMEP), Pacific Lamprey Conservation Initiative (PLCI) and their Science and Data Committees.				
Task 1.1: Increase committee interactions to mutually support the goals of the Forum and the PMEP and PLCI.	Once annually	NA	Alicia Marrs (CFPF)	
Task 1.2: Convene annual joint conference call.	December 2020		Alicia Marrs (CFPF)	
Task 1.3: Collaborate with other FHPs to support the goals of the Forum and NFHP to facilitate communication and cross-FHPs information sharing.	Ongoing		Alicia Marrs (CFPF)	.

California Fish Passage Forum 2020 Work Plan Outreach and Education Committee

Chair(s): Alicia Marrs

Members: Anne Elston, Alex Jones, Megan Sheely and Natalie Staufer-Olsen

The California Fish Passage Forum Outreach and Education Committee addresses high priority outreach actions associated with Forum initiatives. Working with Forum committees and working groups, this committee develops short- and long-term strategic actions to advance understanding, awareness, and appreciation of the role of the Forum in making strategic investments in fish passage barrier removal in the State of California.

GOAL #1: Engage counties and local restoration consortiums in Forum activities	Timeline	Funding	O&E Committee Contact	Status
Task #1: Co-host a workshop/session or partner on outreach activities with: <ul style="list-style-type: none"> World Fish Migration Day (May 16) Coleman Return of the Salmon Fest (Oct) Other opportunities? 	Ongoing	NA	Alicia Marrs, Anne Elston, Alex Jones	Open to adding other events as opportunities arise.
Task #2: Conduct a data call to request PAD and cost data updates to better inform FISHPass.	Ongoing (at least 2x/year)	NA	Anne Elston, Alex Jones	Consider focusing on tide gates and fish passage facilities in 2020. Contact Brett about the GIS data collection for the BTC project.
GOAL #2: Maintain and improve the Forum website.	Timeline	Funding	O&E Committee Contact	Status
Task 1: Maintain the Forum website and intranet on a weekly basis so that content is relevant and updated. <ul style="list-style-type: none"> Consider adding a page focused on youth outreach/education surrounding fish passage 	Ongoing	NA	Alicia Marrs	Site is maintained weekly.
Task 2: Migrate Forum website from Wix to WordPress	July 2020	NA	Alicia Marrs	Alicia will work with PSMFC and the rest of the E&O Committee to complete this task.
GOAL #3: Develop and update fact sheets and briefing documents on the Forum and fish passage accomplishments and priorities	Timeline	Funding	O&E Committee Contact	Status
Task 1.1: As new information becomes available from PAD, update the strategic framework and Forum documents with new information and tables and post to	December 2020	NA	Alicia Marrs, Anne Elston	Anne will send Alicia updates for 2019 in Feb 2020

the website; particularly as it relates to progress associated with barrier remediation numbers				
Task 1.2: Continue to explore the concept of hosting a CA Fish Passage Summit to convene entities working on fish passage barrier remediation in the state, and develop enhance strategies for collaboration, data sharing, and tracking of progress.	Sometime in 2021	TBD	Alicia Marrs, Alex Jones	Explore funding/partnership options within Forum member organizations, other FHPs, and partners.
GOAL #4: Ensure NFHP-funded Forum project outcomes are available.	Timeline	Funding	O&E Committee Contact	Status
Task 1.1: Solicit triannual updates on Forum-funded projects, and update Forum public website and intranet.	Three Times Annually (April 1, Aug 1, Dec 1)	NA	Alicia Marrs	Upon receiving notification of funding from the Forum, recipients are provided with information on these reporting deadlines etc.
Task 1.2: Build out the Forum intranet with progress/final reports from past NFHP-funded projects.	Ongoing	NA	Alicia Marrs	Alex is continuing to help Alicia track down missing past reports and other documents.
Task 1.3: Update the NFHP Project Tracking Database with information from progress and final reports as received.	Ongoing	NA	Alicia Marrs	
GOAL #5: Promote Forum products and deliverables.	Timeline	Funding	O&E Committee Contact	Status/Comments
Task 1.1: Produce three monitoring case studies in 2020	December 2020	NA	Alicia Marrs, Alex Jones	Will work with members of the S&D Committee to identify potential case studies
Task 1.2: Produce periodic email blasts/updates to Forum listserv about Forum led products/activities, and those of Forum member organizations.	December 2020	NA	Alicia Marrs	Ongoing.
Task 1.3: Continue targeted outreach for FISHPass to fish passage remediation experts throughout the United States, with a focus on California, implementing elements in the FISHPass rollout strategy including: Task 1.3 (a): Webinar trainings Task 1.3 (b): Targeted training roadshow Task 1.3 (c): Information sharing with other FHPs/groups also working on similar tools	December 2020	NA	Alicia Marrs	Task 1.3(b): holding a FISHPass demonstration and training in Santa Cruz in conjunction with Winter Forum meeting Task 1.3(c): Webinar presentation/discussion with Oregon TNC on their tide gate optimization decision support tool with PMEP and the Inter-FHP BTC Working Group.

Task 1.4: Produce an annual report describing the Forum's work to advance fish passage barrier remediation accomplishments in California	February 2020	NA	Alicia Marrs	2019 Annual Report under development
Task 1.5: Nominate a project to 2020 NFHP Waters to Watch (which will be announced by NFHP in concordance with World Fish Migration Day (May 16, 2020). If selected develop/execute outreach strategy to promote project and its partners.	May 2020	NA	Alicia Marrs	W2W 2020 Nominations are due Feb 28
Task 1.6: Evaluate current Forum outreach materials (ie branding/style guide, fact sheet, handouts) and update as needed. Including refining the youth outreach materials that Alex developed for Coleman	Spring 2020	TBD	Alicia Marrs	
GOAL #6: Collaborate with the Pacific lamprey FHP (PLFHP), PMEP and WNTI (and other coastal FHPs) to achieve mutual goals.	Timeline	Funding	O&E Committee Contact	Status
Task 1.1. Work with PLFHP to support First Pass Barrier Assessment for Pacific Lamprey in the Sacramento Basin project	December 2020	TBD	Alicia Marrs	The Forum decided to fund a portion of this project with the additional FY19 NFHP funds. This project has been dogeared for additional funding if/when the Forum has funding available in 2020.
Task 1.2: Coordinate with other FHPs on outreach activities.	December 2020	NA	Alicia Marrs	The Forum submitted
Task 1.3: Participate with PMEP and PLFHP in a tide gate summit in 2020; between now and then, work with them to plan, obtain science and data, etc. as part of the Barriers to Tidal Connectivity (BTC) project (MSCG 2019)	December 2020	\$60,000 across all three FHPs	Alicia Marrs	Alicia working with PMEP and PLFHP on this project. Brett and Damon are the current Forum reps for the Inter-FHP working group). GIS work by PSMFC and USFWS is underway. Webinar being hosted Feb 10 for the Inter-FHP Working Group that will include a presentation on Oregon TNC's tide gate decision support tool (also based on OptiPass). Forum S&D Committee was also invited. BTC Summit planned for September 29-30, 2020 at TNC Oregon's Portland office.