



2014 Project Performance Report for PSMFC Data Management

F14AC00011
October 1, 2013 – September 30, 2014
Tara Garrison

Hatchery Database Status of Deliverables for 2014

Milestone	Projected Completion Date	Status
FINS Trapping Module Capability to enter & retain all determined fish trapping data captured at the Trap; Includes the Export functionality into Excel format of all fish records entered	10/2013	Complete
FINSNet.org Replacement of Snakebasin.psmfc.org; Includes FINS' Support contact information, General Project Description & Software Download Access	12/2013	Complete; Software Download link unnecessary w/Online Version being developed
FINS Holding Module (Beta) Capability to view the necessary to be determined prioritized Holding data on existing fish in Holding from the Trapping Module as well as remove existing fish from Holding	1/2014	Complete
FINS Transfer Functionality (Beta) Capability to Receive & Move fish within FINS via 'Transfer' Disposition; Includes allowing the Transfer's In & Transfer Out fish to be reported on & counts to reflect appropriately within Holding	3/2014	Complete
FINS Spawning Module (PILOT March 15 @ Oxbow/Sawtooth/Pahsimeroi) Capability to enter & retain all determined fish spawning data captured during spawning; Includes the export functionality into Excel format of all fish spawning records entered	3/2014	Complete; Feedback/Bugs due to Microsoft Synchronization in Holding & Spawning prompted FINS Online Platform to be developed to replace the FINS Application
FINSNet.org Hatchery Summary Data Access Ability for all current FINS data to be viewed by Authorized Users via the Internet/FINSnet.org website	5/2014	Complete for Trapping
FINS Spawning Module (Production Version) Capability to enter & retain all determined fish spawning data captured during spawning; Includes the export functionality into Excel format of all fish spawning records entered	7/2014	Currently In Process in the Online Platform Version; New Development suspended in FINS App (Added below Deliverables 7/2014 to meet new scope)
Added: Collision Resolution Policy Implement policy to handle *collisions between the PSMFC FINS Database and the local copies of FINS databases on client machines (<i>*to handle edits being overwritten & deleted data displaying</i>)	7/2014	Complete
Added: FINSNet.org-Online Platform Setup of core website/project, build configurations, development standards & web browser requirements for development of a FINS Online application using a Web Platform vs. the existing Microsoft Synchronization Framework being used in the existing FINS app	7/2014	Complete
Added: FINSNet.org-Online User Roles/Credentials Create the TBD Roles for FINSNET to allow for different Credentials that the FINS App includes	7/2014	Complete
Added: FINSNet.org-User Management Authorized users will have the capability to create new, edit existing, and/or delete users within their location hierarchy. As well as Assign FINSNet.org and FINS Roles & Permissions to each User	8/2014	Complete
Added: FINSNet.org-Online Locations Capability to manage, to be determined, prioritized, Locations within FINS for Creation/Edits & Deletions via FINSNet.org interface	9/2014	Complete
Added: FINSNet.org-Online Workflows Capability to manage, Age/MoveTo/Preferred Location & Species specific Workflows via FINSNet.org interface	9/2014	Complete

Hatchery Database Staff Additions in 2014

Employee	Date	Status
Marc Stromberg, Software Developer	Dec 2013	Hired-Current Staff Member
Jason Adams, Software Developer	March 2014	Hired-Current Staff Member

Hatchery Database Staff Role Changes in 2014

Employee	Date	Status
Tara Garrison, QA/Scrum Master/Product Owner	August 2014	Additional Role – Project Supervisor

2014 Summary of Accomplishments

2014 proved to be a demanding but productive year, releasing a beta version of the FINS Application Spawning Module, overcoming serious data issues due to the FINS Application Microsoft Synchronization architecture and implementation of Sync itself, we not only quickly came up with an alternative to the FINS Desktop Application but we pushed forward with a complete shift away from an installed desktop version and on to a web based Online Platform to address immediate data query and entry needs. The current Desktop Application was reinforced by getting Holding Data at a stop point and ensuring Trapping data was available to query.

The Pilot Spawning Module release for the Application version was deployed in March 2014, as forecasted, in order to get immediate feedback utilizing the already proven process developed in 2013 from our Hatchery Manager Beta tester/users. A continued close relationship allowed all the necessary testing and data entry to be captured. However, following the release of our Pilot Spawning Beta Module, it quickly became apparent that the Microsoft Synchronization time outs and multiple copies of the database were causing issues with other aspects of the application (Holding).

Microsoft Synchronization Framework concerns and technology issues/bugs with editing data, multiple copies of the database and collision resolution attempts were addressed by the FINS team and demanded a large amount of troubleshooting. With no support available since it is no longer supported by Microsoft itself, the hindrance of stabilizing what was in use turned out to require a large effort and more time than anticipated.

With the superseding goal of being able to implement Spawning in the newly proposed Online Version of FINS as soon as possible, the conversion of the old architecture to the new online platform began immediately, once approval from the supervising steering committee members agreed at the end of July.

Administrative tools were successfully deployed in order for the users/hatchery managers to begin managing the setup, users, locations and workflows with fully functional Creation/Update/Delete functionality via FINSNet.org. As admin tools were made available on the web, we slowly removed them from the FINS Application for Trapping Data to be more stable.

The addition of our new Developers on our Team allowed us to institute a productive process where we had multiple people actively designing and developing the needed features and functionality. This proved us the ability to be focused on the development of the Online Platform Version of FINS and really start to gain momentum in meeting our goals and deliverables reliably, despite the large technical setbacks encountered.

Tara's official shift from the Team Leader to the On-Site Supervisor allowed for the accountability and organization of priorities to be maintained which further allowed our team and development efforts to be focused and concentrated with certainty towards the committed schedule of deliverables. With the addition of this formal responsibility to her position facilitated cohesiveness between our outlined Scope of Work deliverables and work actions/tasks.

Relationships were reinforced in 2014 with the FINS Team and FINS Users, Technical Advisory Committee (TAC) and Steering Committee Members through on-site training, telephone assistance with support regarding production MS Sync technical concerns that were overcome as well as multiple on site facility visits by the team to participate, observe and document real use cases, monthly demo and data need collection meetings as well as continued status update meetings.