



# 2015 Project Performance Report for PSMFC Data Management

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F14AC00011  
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## Hatchery Database Status of Deliverables for 2015

*(Deliverables Added per Priority & Scope Changes as well as Maintenance Needs that occurred during the Budget Year)*

Milestone	Projected Completion Date	Status
<b>FINSNet.org-Online Platform (Development)</b> Architecture shift/Development of an Online Platform vs. the existing Microsoft Synchronization Framework being used in the existing FINS application.	10/2014	Complete
<b>FINSNet.org-User Management</b> Authorized users will have the capability to create new, edit existing, &/or delete users within their location hierarchy. As well as Assign FINSNet.org & FINS Roles & Permissions to each User.	10/2014	Complete
<b>FINSNet.org-Online Holding (Query)</b> FINS Holding Query capability via FINSNet.org interface	11/2014	Complete
<b>FINSNet.org-Online Spawning (Beta)</b> 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 via FINSNet.org interface. (*Beta w/select Fall Chinook/Coho/Steelhead Hatcheries)	11/2014	Complete
<b>FINSNet.org-Online Workflows (Spawning)</b> Capability to Create/Read/Update/Delete Spawning Workflows via FINSNet.org interface	12/2014	Complete
<b>FINSNet.org-Online Locations</b> Capability to manage to be determined prioritized Locations within FINS for Creation/Edits & Deletions via FINSNet.org interface	12/2014	Complete
<b>FINS Online-Spawning (Production Version)</b> Capability to enter & retain all to be determined fish spawning data captured during spawning. Includes the export functionality into Excel format of all fish spawning records entered *All LSRCP Hatcheries <i>Spring Chinook Prod Data Entry</i>	1/2015	Complete
<b>FINSNet.org-FINS Online Spawning Summary Data Access</b> Ability for all current FINS Online Spawning data to be viewed by Authorized Users via FINSNet.org Query Tool w/Export to Excel	2/2015	Complete
<b>FINSNet.org-FINS Online Verify/Finalize Data (Beta)</b> Capability to Verify & Finalize the necessary to be determined prioritized Season End Data from the existing Trapping, Holding, Spawning Data	2/2015	Complete
<b>FINS Online-Trapping Workflows</b> FINS Trapping Workflow Create/Update capability via FINSNet.org Admin Tab>Workflow Menu *Common Fish	3/2015	Complete
<b>FINSNet.org-FINS Online Trapping Module (Entry/Edit)</b> Capability to enter & retain all necessary fish trapping data collected during trapping via FINSNet.org FINS Online interface.	3/2015	Complete
<b>FINSNet.org-FINS Online Trapping Summary Data Access/Query</b> Ability for all current FINS Online Trapping data to be viewed by authorized users via FINSNet.org website query tool with export to Excel functionality.	4/2015	Complete
<b>Added: FINS Online-Trapping Edit/Delete</b> Capability to Create/Update/Edit/Delete & retain actions for all necessary Trap Fish data collected during Trapping via FINS Online interface	4/2015	Complete
<b>Added: FINSNet.org-FINS Online Query Optimization</b> Split ID's by Applied & Existing; Order ID's from Database to Exported File	4/2015	Complete
<b>Added: FINS Online-Auto PIT Tag Reader Functionality (Trapping)</b> Allow Auto PIT Tag Reader Functionality like in the FINS App for the Trapping Fish Form in FINS Online	4/2015	Complete
<b>Added: FINSNet.org-FINS Online Merge Data Issue</b> Get all records pointed at 'Merged' Locations to display correctly in the FINSNet.org Data Tab Query Tool, Database & User Location Menus	4/2015	Complete
<b>FINS Incubation Module (Beta)</b> Capability to view the necessary to be determined prioritized Incubation data on eggs captured from the existing Spawning Module	5/2015	Complete

<b>Added: FINS Online-Edit/Delete (Spawning)</b> Capability to Update/Edit/Delete & retain actions for all necessary Spawning/Not Spawning fish data collected during Spawning via FINS Online interface	5/2015	Complete
<b>Added: FINS Online-Edit/Delete (Holding)</b> Capability to Update/Edit/Delete & retain actions for all necessary Move Fish data collected during Holding via FINS Online interface	5/2015	Complete
<b>Added: FINS Desktop Application-Import Tool</b> Internal tool for FINS Team Members to update previously unsynchronized data from the FINS Installed Application	5/2015	Complete
<b>FINSNet.org-Training Tools</b> Includes FINS' Documentation, Self-Paced Learning Tools, Support FAQ's, Install Instructions, Tech Support Links	6/2015	Complete
<b>FINSNet.org-FINS Online Location Data</b> <i>Archive Location Settings; Lat/Long; Auto Create Inboxes; Designate Shipping Locations</i>	6/2015	Complete- <i>Minus 'Archive Location Settings'; Priority didn't permit; Revised Priority TBD in 2016</i>
<b>Added: Merge Location Display Fixes</b> Partial Fix: FINS UI adjusted in specific sections of FINS & FINSNet.org in an effort to display merged locations as desired to users	6/2015	Complete
<b>Added: FINSNet.org-FINS Online Query Enhancement</b> Added Quantity Columns for Existing & Applied Marks; Comma separated & ordered to meet query user needs	6/2015	Complete
<b>Added: FINSNet.org-FINS Online Query Export Defects</b> Implement fix for the manufacturer (Kendo) issues in the UI for exported files & filtering/sorting/grouping tools provided in the grid columns	6/2015	Complete
<b>Added: Merge Location Workflow Fixes</b> Workflows (Commonfish Templates & Move To) had to be adjusted to accommodate Merges & accounted for in the database to tie them to the correct 'merged' version of a location	6/2015	Complete
<b>Added: FINSNet.org-FINS Online-Origin Validation</b> New CWT Tags with explicit status added & historical record management; Unmarked to Unclipped change & tied into existing Trapping Origin Calculation; Added Origin Validation requirements to Spawning	6/2015	Complete
<b>FINS Transfer of Eggs</b> Capability to Receive & Send eggs/smolts within FINS via 'Transfer' Disposition; Includes allowing the Transfer's In & Transfer Out eggs/smolts to be reported on & counts to reflect appropriately	7/2015	Complete
<b>Added: Spawning-Progeny Program</b> Required Group name field/values added to UI for Spawning Sessions & Database & historical record management. Added to assist in easily identifying 'on hand' egg inventory program totals.	7/2015	Complete
<b>Added: Merge Location Data</b> *Prompted a Review & new process to Merges; Due to effect on DB, Bugs in UI & Development time allocated	7/2015	Complete
<b>Added: FINSNet.org-Common Fish-Trapping/Holding/Spawning</b> Capability to Create/Read/Update/Delete Common Fish Templates via FINSNet.org Admin Tab>Workflow Menu	7/2015	Complete
<b>Added: FINSNet.org-FINS Online Season Workflow</b> Capability to Create/Read Data by assigned title & date range within FINS Online Queries to book end Historical FINS Data	7/2015	Complete
<b>FINS Verify/Finalize Data (Production Version)</b> Capability to verify & finalize the necessary to be determined prioritized Season End Data from the existing Trapping/Holding/Spawning Data.	8/2015	Dropped Priority per Steering Committee Decision to Ensure Incubation Scopes met; New Priority TBD in 2016
<b>Added: FINSNet.org-FINS Online Roles/Permissions</b> Split out existing Role hierarchy & allow for Data Official Role, Query Views, Location Views & User Information at an Agency Level.	8/2015	Complete
<b>Added: Master Login</b> As-User Login Capabilities for FINS Team members to ensure ability to more accurately reproduce, document & test bug reports from Users without having to know/reset credentials	8/2015	Complete

<b>Added: Server Reimaging/Time Outs</b> Capability to effectively deal with disruptive test & development server performance degradation via a) creation of backup images & b) Database application version updates in order to replicate production server behavior. Active maintenance to ensure that dev & test servers replicate the production environment such as observed server degradation/poor performance relative to page loads & data throughput	8/2015	Complete
<b>FINSNet.org-FINS Online Incubation (Beta)</b> Capability to view the necessary to be determined, prioritized, Incubation data on eggs captured from the existing Spawning Data	9/2015	Complete
<b>FINSNet.org-FINS Online Query/UI Optimization</b> Optimize/Upgrade & add necessary/prioritized enhancements to the Query Tools in FINS Online as well as FINSNet.org Data Tab & User Interface for Workflows & overall user experience of the FINS Online version as needed.	9/2015	Complete
<b>Added: *MAINTENANCE: FINS Online-Trapping UX Enhancements</b> Quick Open for Entry, Enter to Save & Trapping Fish form kept Open upon Save to speed up data entry process of many records per session	Throughout 2015	Complete for 2015
<b>Added: *MAINTENANCE: FINSNet.org-FINS Online-Query</b> Minor & Major Bug Fixes as well as ongoing Enhancements per new use cases	Throughout 2015	Complete for 2015
<b>Added: *MAINTENANCE: FINSNet.org-FINS Online-Trapping/Holding/Spawning</b> Minor & Major Bug Fixes as well as ongoing Enhancements per new use cases	Throughout 2015	Complete for 2015
<b>Added: *MAINTENANCE: FINSNet.org-FINS Online-Admin/Workflows</b> Minor & Major Bug Fixes as well as ongoing Enhancements per new use cases	Throughout 2015	Complete for 2015

### Hatchery Database Staff Additions in 2015

Employee	Date	Status
Daiv McBride, Software Developer	June 2015	Hired-Current Staff Member

### 2015 Summary of Accomplishments

During 2015 more was accomplished than any previous year. FINS' team's productivity increased greatly and allowed for many unplanned items to be added through out the year as needed and per sponsor decisions. Between better planning and quick priority decisions and best practices being implemented, FINS was successfully moved over completely from the WPF Installed Application to an Online Web Based Program to ensure a single, master copy of data for all users, real time via the internet. FINS was moved entirely on to the web to provide users all major previous Application Capabilities as well as added Holding and Spawning functionality for Production Data Entry. In addition, the Incubation Beta testing phase began with multiple Hatcheries to shore up the software requirements for the data collection process after Spawning and before 'feeding' (Rearing) begins.

The major focus for the year was put on Spawning and Incubation, with an ultimate goal of being able to stay on track and get anticipated deliverables met while allowing the current Production versions for data collection to be maintained, enhanced and fix any critical bugs as they were found. After discussing with the Steering Committee stability of the existing Production Trapping, Holding and Spawning Modules was prioritized and allowed the FINS team to split attention on Production Maintenance as well as continually moving forward towards the Incubation Beta Release as planned. Beta Incubation was developed and released in record time with help from our proven feedback and design process utilizing a Technical Advisory Committee (TAC) that centralized the Incubation data collection and life cycle into an organized group for Use Cases to be outlined and what Incubation should be defined as within FINS.

Knowledge gained from the past few years of development and design for the data collection processes drove major Database shifts done which really allowed the Online version of FINS to be built in a more open concept with the entire life cycle being accounted for in planning. Agency collections were added and location data restrictions were lifted for Query transparency. User Admin controls were further enhanced for new roles and permissions allowed for users and hatchery managers via FINSNet.org.

The FINS team dynamic has really been strengthened with clear roles and responsibilities which highlighted the need for a formal development tester to troubleshoot issues in the released Production versions of FINS that users are utilizing as well as focus on testing to get more bugs documented which will allow them to be fixed faster and unveil possible issues sooner. The addition of a new Developer on our Team has proven to be an excellent fit and really played into the rapid release times we have been able to meet. Also, our first ever Regional Trainings were completed in 2015 with the FINS Users to gauge the need and preferred frequency for On-site trainings as well as content that users feel need to be covered and when. The team also continued to visit facilities (Eagle, Hagerman National and Lyons Ferry) to expand our knowledge and understanding of each phase of the life cycle as well as what and how different agencies collect and share data.