

Status Report for IRM Application Development Team

July 2007 prepared by Patrick Cope.

Database Administration (Daniel)

- ❖ Source Safe management > Setup Code management implementation, working on configuring CVS as the SSM tool
- ❖ Data warehouse migrations > Migrating OWB from Release 1 into Release 2. Software configured on kingfish server, pending export/import
- ❖ Data warehouse developer testing environment server setup.
- ❖ Database server replication > Design, implement, test database replication features.
- ❖ Application server replication > Design, implement, test application server replication features.
- ❖ Oracle Training – 10g Administration Part1 - Part2

Web Master (Daniel and Adriana)

- ❖ Post updates to web site as required *Ad-hoc *2007
- ❖ Working with WICC on website naming policy and NOAA wide banner *2007
- ❖ Posting webpage for Margaret Miller
- ❖ Posting webpage for K Kenne

SEFSC Emergency Web Site (Adriana)

- ❖ Post the updated Hurricane Plans for the center and all the labs associated.

SEFSC Laptop, Desktop, and PDAs Tracking System (Adriana)

- ❖ Accommodate and Post related documents in the application main menu. (Completed)

SouthEast Data Assessment and Review (SEDAR) (Adriana)

- ❖ Load 7 SEDAR documents that were not able to be loaded through the system because of sever out of memory problem. (Completed)

Vessel List (Lee and Lloyd)

- ❖ Creating a "master vessel list" for Gulf States which will aide in assessing vessel activity by year, gear, etc. Using the combination of FIN, coast guard and state vessel data to put this list together. This list will reside in an oracle table, in SEFIN. Currently defining table structure. 35% completed.

Head Boat (Tony)

- ❖ Replicate legacy DOS system to web based. The system is used to collect/report tour trip catches. 65% complete
- ❖ Currently incorporating data validation to load routines

Dealer Management System (DMS) (Tony)

- ❖ Dealer Management System. Currently applying minor revisions to the GUI. 90% completed.

Louisiana Trip Ticket Review System (LDWF) (Tony)

- ❖ Revising the app to automate the ticket review process some. Feedback collected and development under way. 40% completed.

Texas Trip Ticket Review System (TXTT) (Tony)

- ❖ Landings review application similar to the AL & LA apps. Currently defining table/data structures. 60% completed.

Gulf Shrimp System (GSS) (Tony)

- ❖ Revised app to account for '03 – '06 FL shrimp data, as per Steve Turner. Completed and in production.

Florida Trip Ticket System (FTT) (Lee and Lloyd)

- ❖ Synchronizing of Data Sets with FWC. Port agents have reviewed and corrected the requested data from FWC. (Completed 01/31/2007)
- ❖ Preparation of Dataset to be loaded into VOU 2005 Data loaded successfully.
- ❖ Providing Dataset to Mike Travis From SERO Completed
- ❖ Preparation Of Dataset to be Used With GSS (with Antonio Cano) Awaiting Review By Frank Patella (Guy Davenport is following Up)
- ❖ Getting Port Agents Corrections to FWC. Oracle tables holding changes made to Species, County, Vessel, and Salt Water Product License were created and sent to FWC the second week of February. Because FWC is still using Oracle 9i it was necessary to provide scripts to create and populate these tables provided to Gail MacAulay of FWC. Gail has created these tables in Oracle and is just starting to look at the changes proposed by the NMFS field agents. A draft of a document describing the work products to be produced documenting changes to gear and water body were prepared, and sent to FWC. Preliminary work products concerning gear and water body differences as described in that draft were generated and provided to FTT data manager for review.
- ❖ Elimination of Duplicates Records in Datasets Steve Brown of FWC has provided a list of records that he believes are duplicates and has deleted them from the FWC datasets. These records have been deleted from the FTT data sets as well. Steve has noted that there will be forthcoming several more lists of duplicate records as soon as he has the time to work on them.
- ❖ Updating ALS System with all changes made to FTT system. (Completed)
- ❖ **Bug Fixes:** Misalignment problem in loading Type 3 fixed records was resolved.
- ❖ **Problems Detected in Process to Generate List of Vessels For VOU System:** Agent reload was not loading a few columns at the end of the record (resolved). Misalignment problem in loading Type 3 fixed records was resolved. The problem concerning data from previous years is not always being filled in when the data is missing in the current year was resolved.
- ❖ **Reload Of Agent Changes To List of Vessels For VOU System:** Is only to be done by one person as per request of data manager. (Completed)
- ❖ **A revised Rock shrimp report delivered to Mike Travis.** (Completed 7/12/2007)
- ❖ **At Charlie Schaefer's request, double-checked a load** when Charlie did not receive the expected confirmation e-mail. All records reached the master tables.
- ❖ **Up Next** Providing changes to water body and gear information to Florida upon their request.

Enterprise Data Warehouse (EDW) (Lee and Lloyd)

- ❖ IRM team has been chosen to accept this system from Artech consulting. Once the team has completed previously assigned projects this transfer will begin. On hold pending installation of data warehouse builder software on sever and client version of the software.
- ❖ Team is reviewing the Discoverer material
- ❖ Reviewing Discover Material Installation of Oracle Warehouse Builder Software is awaiting OWB data migration from release 1 to release 2.
- ❖ The scheduled training In Oracle Warehouse Builder by the IRM team has been completed.

Pink Shrimp System (PSS) (Lloyd)

- ❖ Re-write and re-platform Joan Browder's Pink Shrimp application. Currently this application is a Basic application.
- ❖ Translated the simulation from VBasic to Java without the user interface. Focusing on reading the input and producing the right output. 90% of the output field's match perfectly, the remainders are off by up to 10%. A meeting is scheduled with Joan Browder to get metadata for the variables, to let her choose what part of the algorithm she wishes to parameterize, and to explore whether the differences are significant, or perhaps just differences in rounding errors between VB and Java. Joan has checked on the status with me and accepts that I must finish Annual Economic Survey for Gulf Shrimp Permit Holders before resuming her project.

TIPONLINE (TOL) (Lloyd)

- ❖ Helped Debbie Fable understand why her county list was not working. She was entering the wrong state code.
- ❖ Helped Robert Wiggers reconfigure his browser toolbar so he could export records successfully.
- ❖ Helped TIP data manager, David Gloeckner, overcome various interlocking integrity constraints so an area code could be reassigned to a different region.
- ❖ Helped TIP data manager David Gloeckner, prepare a file from North Carolina for inclusion in TIPONLINE. (With Lee)
- ❖ Devising a mechanism for dealing with data from electronic measuring boards coming from the state of Georgia. (Up next with Lee)

Fisheries Logbook System (FLS) (Adriana, Sandra)

- ❖ Add new functionality to the delinquent module. 1- Added application number, folder number, and sero_id to the FLS.FLS_delinquent_list table. 2- Created a table to link the sero_id to a sero staff member and an email account. Finally, a procedure was created to tie it all together. So as long as the app #, folder #, and user_# is entered, each transfer SERO staff will ask us to check for logbook then SERO staff should get an email when we remove the hold list. (Completed)
- ❖ Review and Fix issues in FLS-PDC module like 1) BATCHYEAR should equal the Year of "END REPORTING DATE", not the Year of the "BEGINNING Reporting Date", 2) In 'FEDERAL DEALER CODES' (DPS_Dealer Permit...), change Dealer Address display FROM LINKING TO THE "F..." SERIES OF INFORMATION TO THE "B..." SERIES OF INFORMATION, 3) In 'FEDERAL DEALER CODES' (DPS_Dealer Permit...), remove all permit information prior to loading (i.e., expired dealers are listed as "ACTIVE", 4) Remove Batches H0041, H0043, H0054 from Scanned tables, 5) Data is not being removed from scanning tables during distribution to master. (Completed)
- ❖ Change validation and forms so the FLS-PLL system can accept combination of hook_size and hook_offset based on the rules provided by the users. (Completed)
- ❖ Apply the changes needed to accept new Hook_Sizes valid values. An clean the data replacing the current values with the equivalent new values. (Completed)
- ❖ Help FLS user to identify problem during the distribution of the batch F585A. And take the actions needed to fix the data lost or duplicated. (Completed)
- ❖ Fixed and Analyze the SERO Vessel Permits data to detect the reason why some vessels were missing. (Completed)
- ❖ Change the FLS Delinquent List as requested, 1) Add Vessid and Approved_Date to the cleared email. 2) Add SER_Id as criteria selection to the Web Delinquent List report, and 3) Include Application # (FK_Application_Id), SER Id (SER_Id) and Folder # (Int_Active_Folder_Number) as part of the Web Delinquent List report. (Completed)

Pelagic Observer Program (POP Online) (Sandra, Adriana)

- ❖ Fixed data entry screen that duplicate Bait Information a new info is inserted. (Completed)
- ❖ Fixed box Mainline Color that use to stay the same when it was changed to another color. (Completed)
- ❖ Fixed the String Number that was always the same when a new haul was entered. (Completed)
- ❖ Changed the 'Order results by' on the data entry page so the departure date is ordered by year, month, and day. (Completed)
- ❖ Analyze the data to detect why only 4 sets are showed in the Trip summary report instead of 5 that is the correct number. (Completed)

Domestic Longline System (DLS) (Adriana)

- ❖ Create a sql statement to retrieve totals of weight by trips and species. (Completed)
- ❖ Determinate the formula and factors used to estimate the length from weight in the Catch at Size programs. (Completed)

SEFSC Security (SEFSC_SEC) (Adriana, Sandra)

- ❖ Redesign the SEFSC Security application so it starts to work as Application Console in addition to manage applications user. (Completed)
- ❖ Create the interface that manage the SEFSC Application Users SingleLogin. (In Progress)
- ❖ Review the Sefsc Security application and incorporate the Edit/Add/Search interface to manage User Requirements.. (In Progress)

Quota Monitoring System (QMS) (Adriana)

- ❖ Add new criteria selections (State, Region) to Non-Reporting Dealer query screen.
- ❖ Remove 'Form Name' as criteria selection and add 'Region from the Purchases Reported by Species query screen.
- ❖ Waiting for further user requirements. (On Hold)

Landing Compliance System (LCS) (Adriana)

- ❖ Design and define codes mapping to get ready for the conversion of the state data to NMFS codes. (Completed)
- ❖ Set up programs to Load the data files provided from the states (FL,LA,LA,TX) into QMS schema but under temporary tables by states. (Completed)
- ❖ Data conversion process has to be developed to convert state data to NMFS codes and be moved into official QMS quota tables. (On Hold)

NOAA / SEFSC On-line Float Plan (OFF) (Adriana, Sandra)

- ❖ Apply modifications requested by Dave McClellan. (Completed)
- ❖ Modify the Visitors module removing the fields Soc.Sec. Nbr., Year of Birth, and Phone Number from the ADD/Edit/Search/Report Visitor interfaces. (Completed)
- ❖ There is a requirement from AOML to use this application so they can schedule the use of the vehicles at AOML. (On Hold)
- ❖ Meeting with AOML (Nancy Ash) scheduled for 7/27/07.

Sea Turtle Stranding and Salvage Network System (STSSN) (Adriana)

- ❖ Requirement from the SEFSC turtle team to automate a manual data collection system and create summary reporting. (In process)

South Florida SportFishing Geodatabase (SFSGEO) (Sandra)

- ❖ Create “datasources” table that contains data used in SFSGEO to be used as a data source reference to create documentation. (**Completed**)

Mike Prager WebSite (MPRAGER) (Adriana)

- ❖ Redeploy the Mike Prager website attaching the changes provided. (**Completed**)

Reef Visual Census (RVC) (Adriana)

- ❖ Tech Memo published by February 5, 2007
- ❖ Raw Data Server Set-up by **mid-February** (RSMAS). Waiting on Steve Smith's go ahead******DELAYED******
- ❖ Oracle Setup (RSMAS Server) by March 2007???
- ❖ Define data transfer process by April 2007???
- ❖ RVC data available to public by May 2007???

Domestic Longline System Re-Write (DLS) (Adriana)

- ❖ During October and November of 2006 we embarked on re-writing this application. Due to other priorities this project is **On Hold**.

Fisheries Logbook System Re-Write (FLS) (Adriana)

- ❖ Re-write this application. (**On Hold**)

SEFSC Web Site Re-Write (Daniel, Adriana and Patrick)

- ❖ Re-write this application. (**On Hold**)

Beaufort Web Site (Adriana)

- ❖ Web site is waiting for Aleta Hohn to give feedback and content, since May 2006. (**On Hold**)

TED/BRD Web Site for Pascagoula Lab (Adriana and Patrick)

- ❖ Development of this web site is waiting for requirements and content from the user. (**On Hold**)

Data Inventory System (Lee and Lloyd)

- ❖ Created new sql routines to enter the Data Inventory data more easily.
- ❖ Continuing to add full entries (not just placeholder entries) on SEFSC. There are now well over 80 systems fully documented, including all ecology projects noted on the Galveston Website. Up next is providing information on the fisheries management projects in Galveston.
- ❖ Information on metadata for certain non SEFSC systems that are essential to understanding the metadata for an SEFSC system will be provided as a link when the metadata for the SEFSC system is displayed. (In progress)

InPort National Meta Data System (Lee and Lloyd)

- ❖ All SEFSC systems in the Data Inventory System have been entered into InPort. (The entries in InPort for the Galveston Ecology projects include **all information** included on the FGDC metadata records shown on the Galveston website.)
- ❖ Added entries from Fisheries Management Programs in Galveston.
- ❖ Created new accounts for several data managers so that they can correct and augment the preliminary information provided.
- ❖ A report on the SEFSC progress in InPort as compared with other regions was prepared by the InPort development team in Honolulu and has been forwarded to several managers.

- ❖ Discussions have been had with several data managers reminding them of the need to supply data caveats and processing steps for their projects of responsibility in InPort.
- ❖ Started to put in table comments and column comments into the Oracle Data Dictionary as a prelude to loading them into InPort. Most systems except for FLS have been completed though not yet reviewed.
- ❖ Created InPort accounts, and assigned passwords and roles for all data managers based upon our best guess would be responsible for the metadata for all system known to IRM; though only those in IRM were sent an email describing sign-on procedures.
- ❖ Preparation of InPort progress report for chief IRM and Steve Turner. (Presented to chief of IRM)

Miami Certification and Accreditation List (C& A List) (Lee and Lloyd)

- ❖ Chief of IRM has identified who shall be responsible
- ❖ Waiting for answers to the following questions.
 - What to do in cases where there are copies of the same dataset in different SEFSC locations?
 - What to do in cases where the dataset is actually stored on a non government computer?

Annual Economic Survey for Gulf Shrimp Permit Holders (Lloyd)

- ❖ Data entry screen for insert was designed.
- ❖ Login screen, edit and delete capability was added.
- ❖ The list of permit holders to be sampled was incorporated into the system.
- ❖ I am currently adapting Adriana Serra's generic code table maintenance modules to work with the code tables of this system rather than the Tiponline tables.

Note: This will be the perfect framework for a new annual shrimp permit holder survey needed within the next few months.

Gulf of Mexico Shrimp Federal Permit Reporting Form (Lloyd)

- ❖ Develop a data entry java application to collect annual information pertaining to shrimp permit holders in the Gulf of Mexico.
- ❖ Had preliminary discussions with Jim Nance and Becky Smith of the Galveston Lab.

EPAT (Emergency Preparedness & Asset Tracking System) (Sandra)

- ❖ Added a new functionality to EPAT that programmatically create a new facility and create the geometry reference in the map.
- ❖ Zip Codes lookup table was created as a location reference when user does not have lat, long for the facility. Now has the option to get the lat, long from the Zip Code.
- ❖ Minor updates to EPAT like changing forms text, menu options, recreating some views, etc.

SEFSC Locator (Sandra)

- ❖ Update SEFSC Employees database that is access through the SEFSC Locator web page. (On Hold)

Preparing Electronic Version Of Brown and White (Lee and Patrick)

- ❖ Preliminary version has been prepared and sent to Admin Team.
- ❖ B&W currently being reviewed by Finance Team.

IRM Administration and Contracts (Patrick)

- ❖ First floor printer has arrived and is in production on 4/19/07, 36 month lease.
- ❖ Xerox printers 60 month lease expires November 30, 2008
- ❖ Tony's contract is being reviewed by CASC and SEFSC in conjunction with the IDIQ contract with Artech. Contract awarded.
- ❖ Paul Baertlein's contract is being reviewed by CASC and SEFSC in conjunction with the IDIQ contract with Artech..
- ❖ COTR training required by CASC to administer ongoing contracts within IRM has been scheduled.