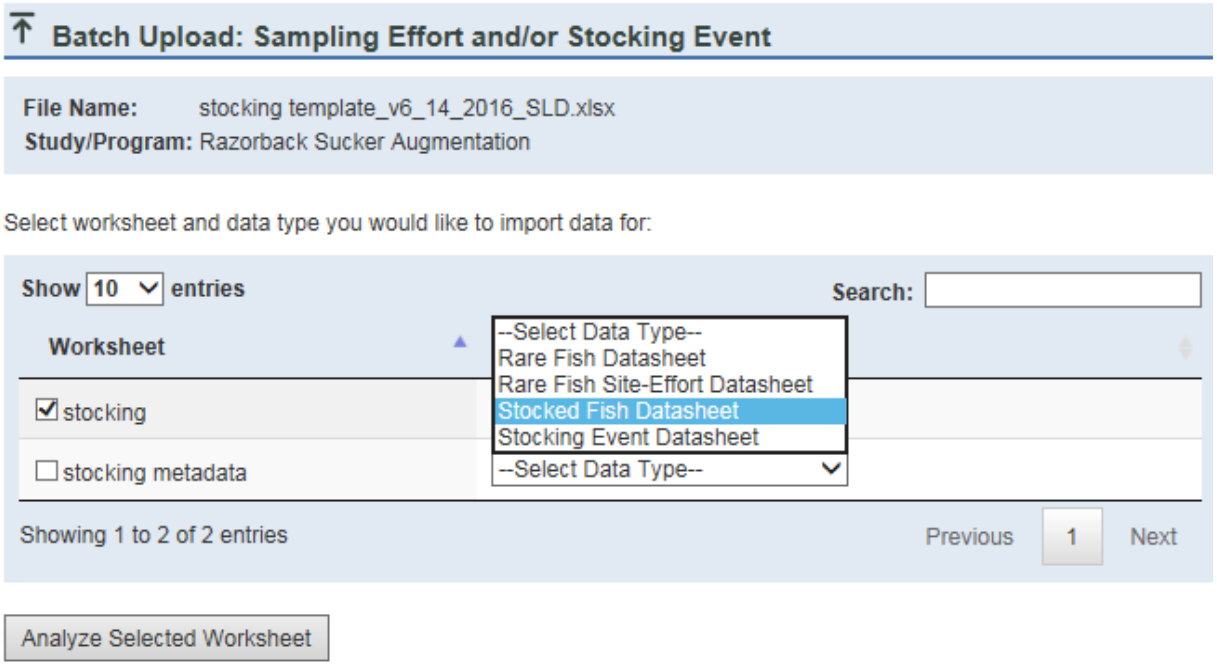
Release Notes (1/13/2017)

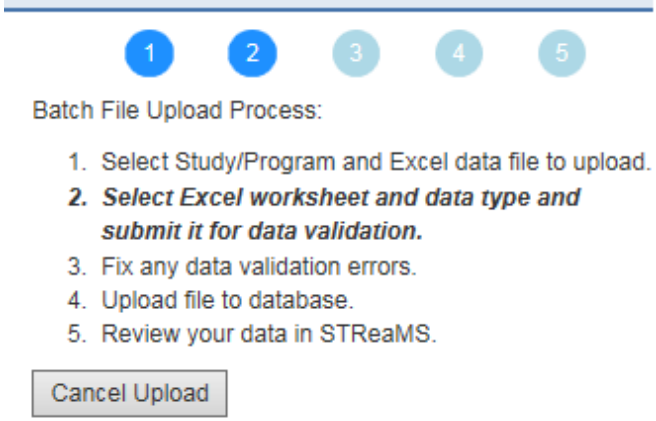
New Features

- **Batch Uploads for Rare Fish, Stocked Fish, Site Effort, and Stocking Events are active –** Data can be loaded into STReaMS through the website. For now, contact your Database Manager, Julie Stahli (UC) or Scott Durst (SJ), to upload your data. You will need to pre-format your data using the latest data entry templates online here: https://streamsystem.org/webAdmin/dataEntryTemplates.php

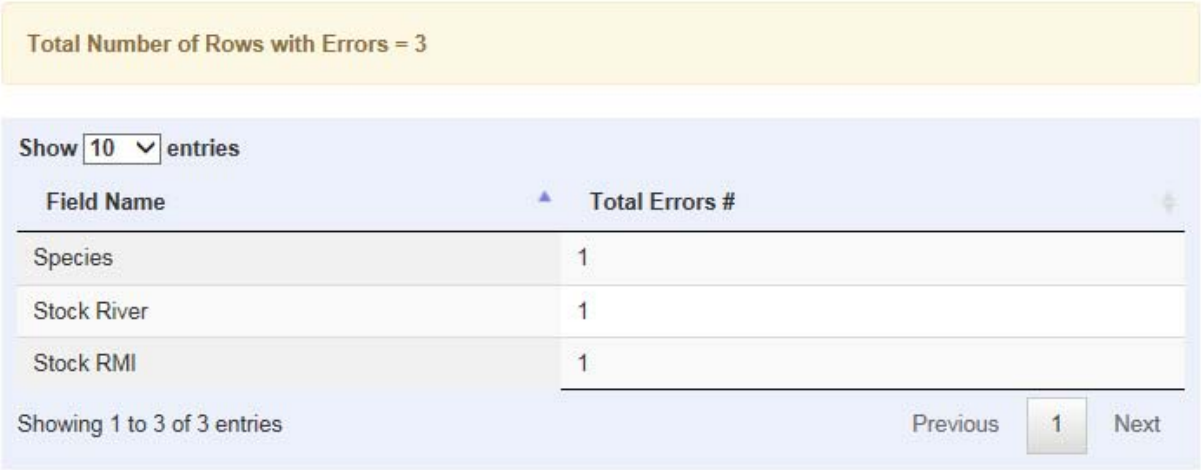
  - Your Database Manager will select your Study, Upload File, and Data Type.

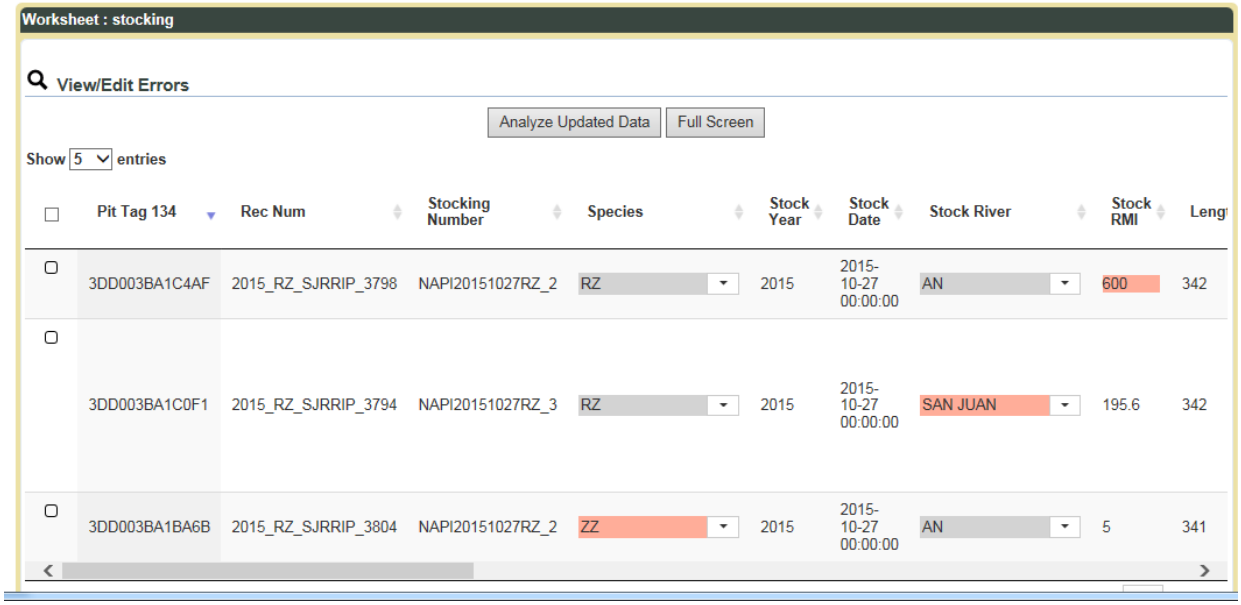


- Steps are tracked along the way and you can cancel at any time.

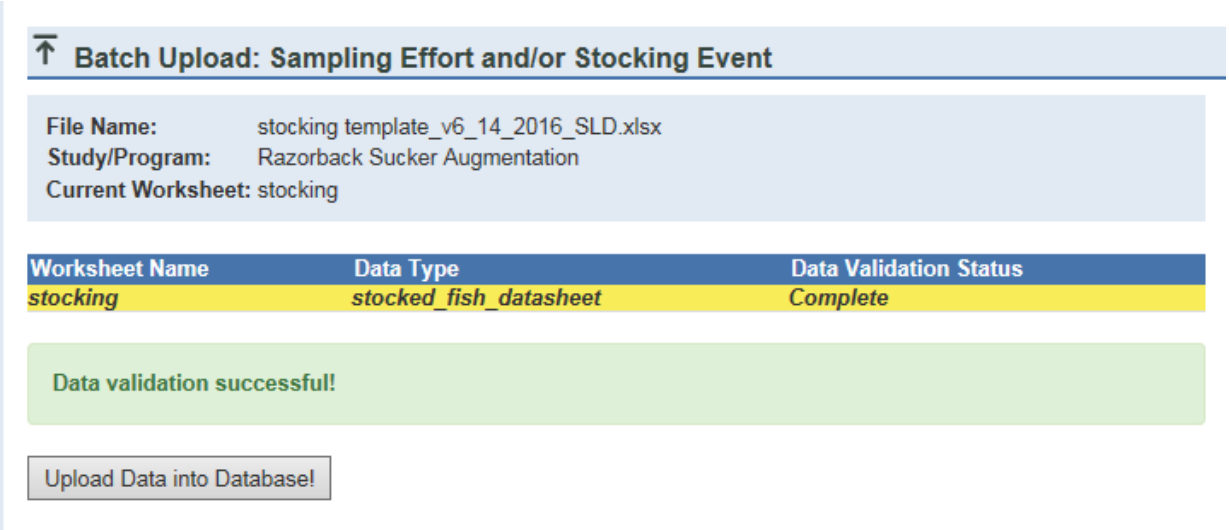


- Your Database Manager will fix any data entry errors.

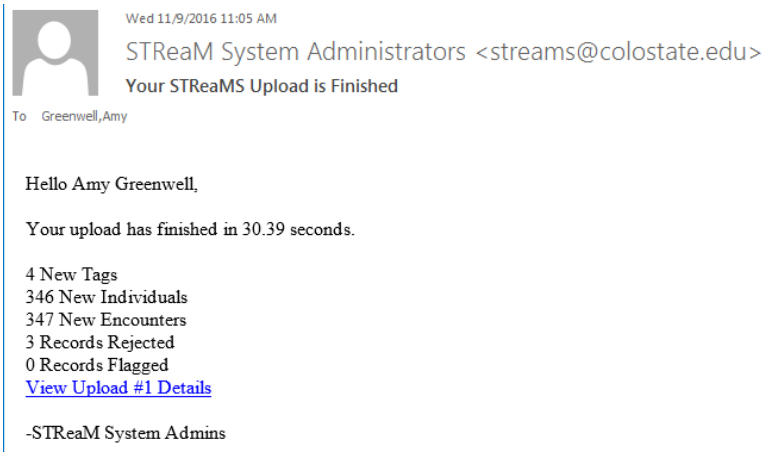




- Clean data will be uploaded and reconciled with the existing data in STReaMS.

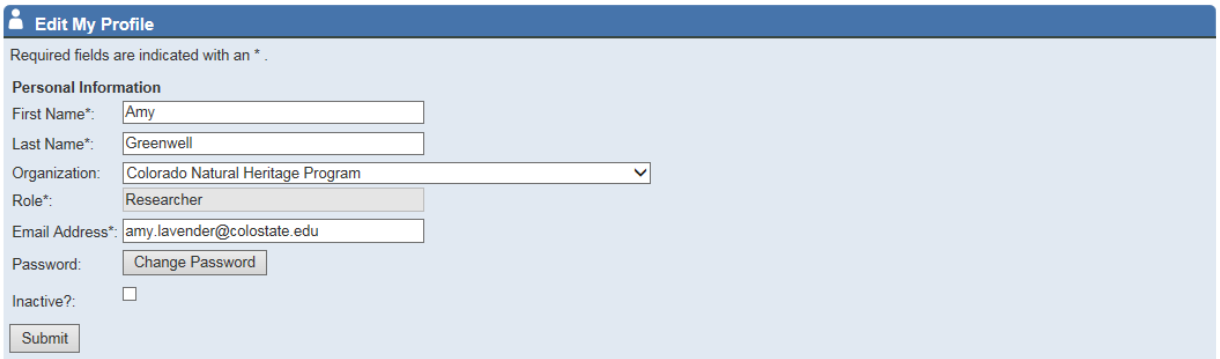


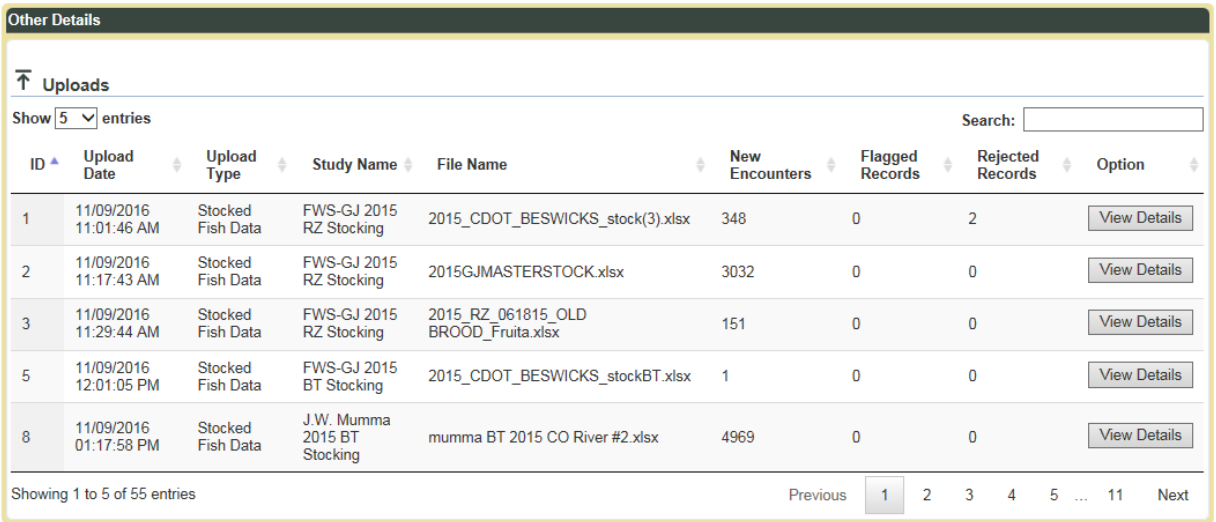
- You will get a confirmation email when your Upload is complete.



- **Use My Profile to track your Uploads –** Your Uploads are listed in your user profile. Search or sort your list. Click details to display information about the Upload, notes from the system, and the number of new records, rejected records, and flagged records.

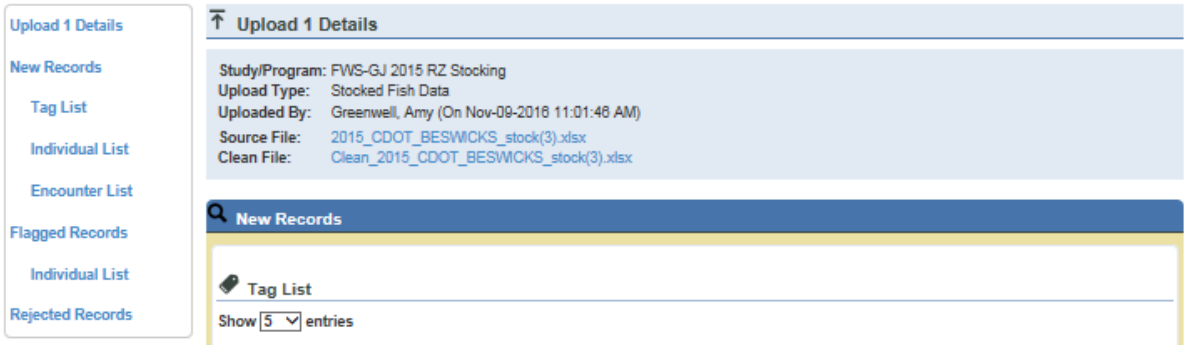
- Your list of Uploads.





ID	Upload Date	Upload Type	Study Name	File Name	New Encounters	Flagged Records	Rejected Records	Option
1	11/09/2016 11:01:46 AM	Stocked Fish Data	FWS-GJ 2015 RZ Stocking	2015_CDOT_BESWICKS_stock(3).xlsx	348	0	2	View Details
2	11/09/2016 11:17:43 AM	Stocked Fish Data	FWS-GJ 2015 RZ Stocking	2015GJMASTERSTOCK.xlsx	3032	0	0	View Details
3	11/09/2016 11:29:44 AM	Stocked Fish Data	FWS-GJ 2015 RZ Stocking	2015_RZ_061815_OLD BROOD_Fruita.xlsx	151	0	0	View Details
5	11/09/2016 12:01:05 PM	Stocked Fish Data	FWS-GJ 2015 BT Stocking	2015_CDOT_BESWICKS_stockBT.xlsx	1	0	0	View Details
8	11/09/2016 01:17:58 PM	Stocked Fish Data	J.W. Mumma 2015 BT Stocking	mumma BT 2015 CO River #2.xlsx	4969	0	0	View Details

- Upload details show basic information about the Upload with links to the source files and Table of Contents.



- New records are listed for Tags, Individuals, and Encounters.

New Records

Tag List

Show 5 entries

Tag ID	Tag Code	Tag Type	Tag Status	Lot Code	Deploy Date	Deploy River	Recipient Person	Recipient Org	Options
1436150	3D91C2DE6A0AC	134 khz	Active		2015-07-09	Colorado River, RM 204.5	Unknown	Unknown	View Details
1436151	3D91C2DE58DB6	134 khz	Active		2015-07-09	Colorado River, RM 204.5	Unknown	Unknown	View Details
1436152	3843B23ABCF3C	134 khz	Active		2015-07-10	Colorado River, RM 204.5	Unknown	Unknown	View Details
1436153	3843B23AC3893	134 khz	Active		2015-07-10	Colorado River, RM 204.5	Unknown	Unknown	View Details

Showing 1 to 4 of 4 entries (filtered from 1,436,948 total entries) Previous 1 Next

- Records that were flagged or rejected during your Upload are listed at the bottom of the page. Database Managers will fix flagged and rejected records. Once rejected records are cleaned and resubmitted to the database, they will show up in your New Records list.

Flagged Records

Individual List

Show 5 entries

Upload ID	Individual ID	Current Tag	Species	Year Class	Sex	Last Encounter Type	Last Encounter Date	Last Encounter River	Notes	Op
No data available in table										

Showing 0 to 0 of 0 entries Previous Next

Rejected Records

Fix Rejected Records

Only Database Manager can fix rejected records.*

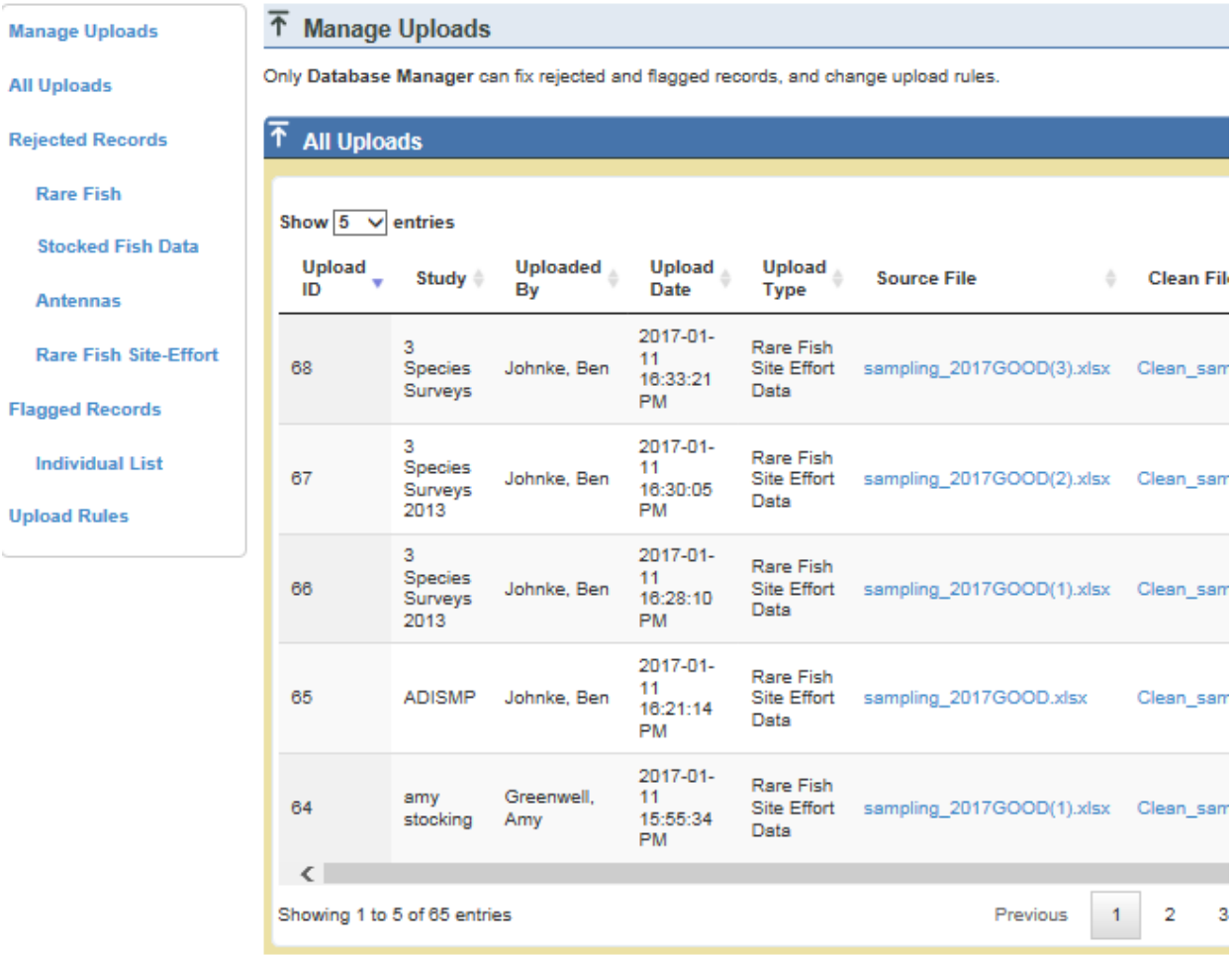
Show 5 entries

Error Type	Pit Tag 134	Rec Num	Agency	River	RMI	Date	Species
Species Conflict	3D91C2DF63EC3	2015CDOTRZ00173	FWS-GJ	CO	204.5	07/14/2015	RZ
Stocking Duplicate	3D91C2DE188F9	2015CDOTRZ00161	FWS-GJ	CO	204.5	07/14/2015	RZ

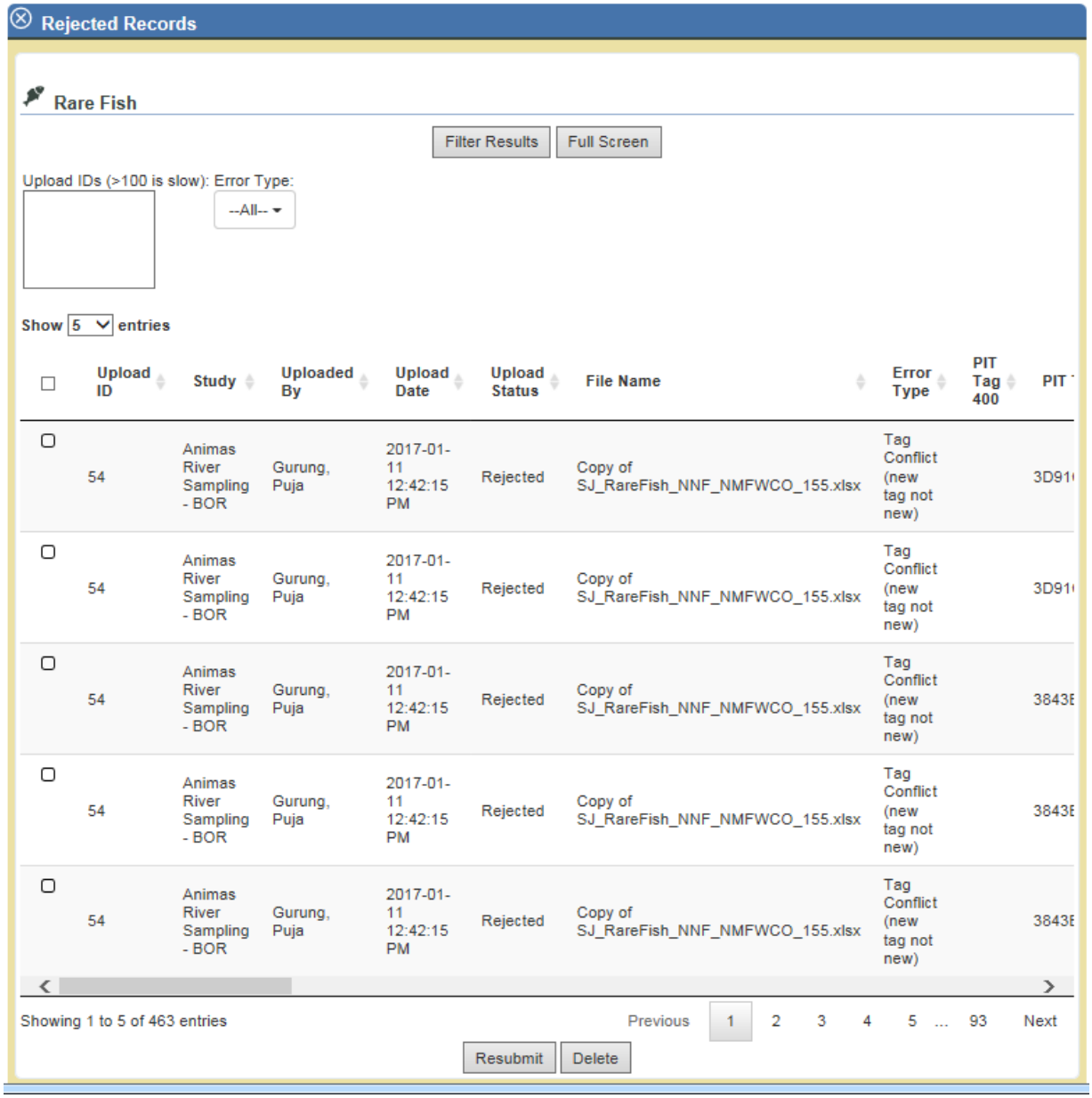
Showing 1 to 2 of 2 entries Previous 1 Next

- **Uploads are managed by the Database Managers through the Manage Uploads page in the footer –** The Managed Uploads page lists Uploads for all Users, all rejected records, all flagged records, and Upload rules for numeric fields.

    - Upload list can be used to track data submittals for Studies.



- Rejected records can be filtered, fixed and resubmitted to the database OR permanently deleted from the temp tables (ex. a duplicate record already uploaded by another Study).



- Flagged records should be reviewed by Database Managers and unflagged if determined to be satisfactory.

Flagged Records

Individual List

Show 5 entries

idual	Current Tag	Species	Year Class	Sex	Last Encounter Type	Last Encounter Date	Last Encounter River	Notes	Options
5	3D91C2C2DB432	Xyrauchen texanus	2007	Female	Capture	2015-06-11	Lake Powell		View Details Delete
0	3D91C2C2D0E93	Xyrauchen texanus		Male	Capture	2015-03-31	Colorado River		View Details Delete
6	3D9257C6A7A3B	Xyrauchen texanus	2006	Female	Capture	2015-10-13	San Juan River		View Details Delete

Showing 1 to 3 of 3 entries

Previous 1 Next

- Upload rules for numeric fields can be adjusted by Database Managers. Most text fields are ruled by look-up tables or specific details coded into the website (ex. 13 digit requirement for a 134 khz tag).

Upload Rules

Enable Edit Mode

Only Database Manager can update/edit upload rules.*

Show 25 entries

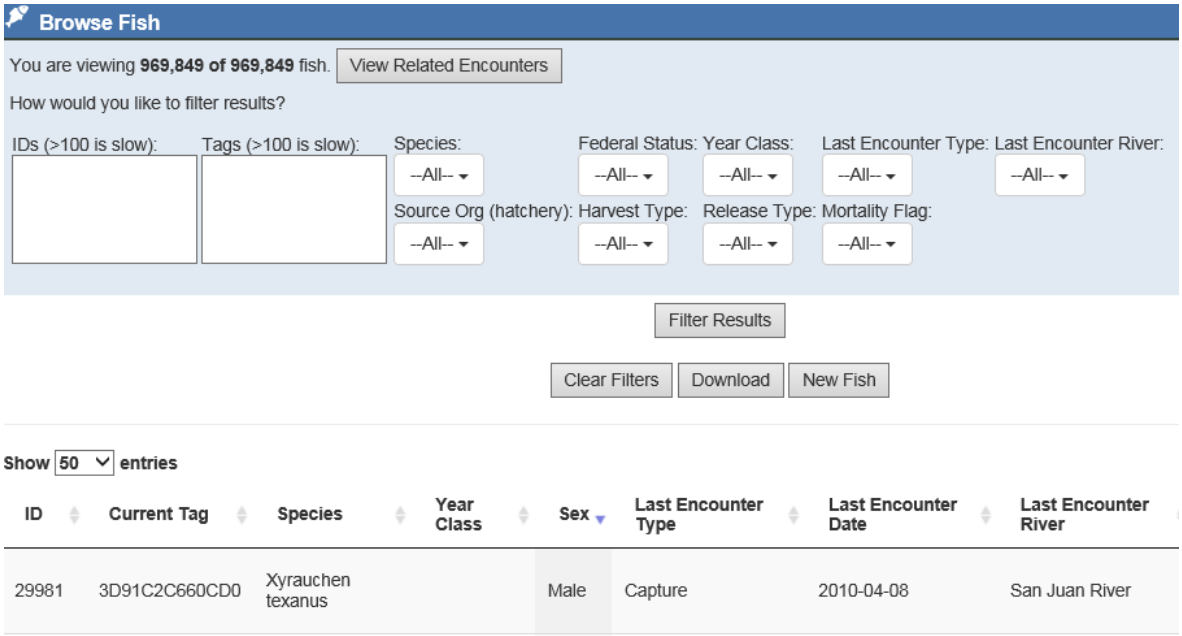
Search:

Field Name	Minimum Value	Maximum Value
Conductivity	.0	4000.0
Length	.0	1800.0
pHRiver	.0	14.0
pHTank	.0	14.0
RiverMile	-188.5	450.0
RiverTemperature	.0	30.0
StandardLength	.0	1800.0
TankTemperature	.0	30.0
TemperedTime	.0	10800.0
Turbidity	.0	1900.0
UTMX	.0	1000000.0
UTMY	3920000.0	4850000.0
Weight	.0	27500.0

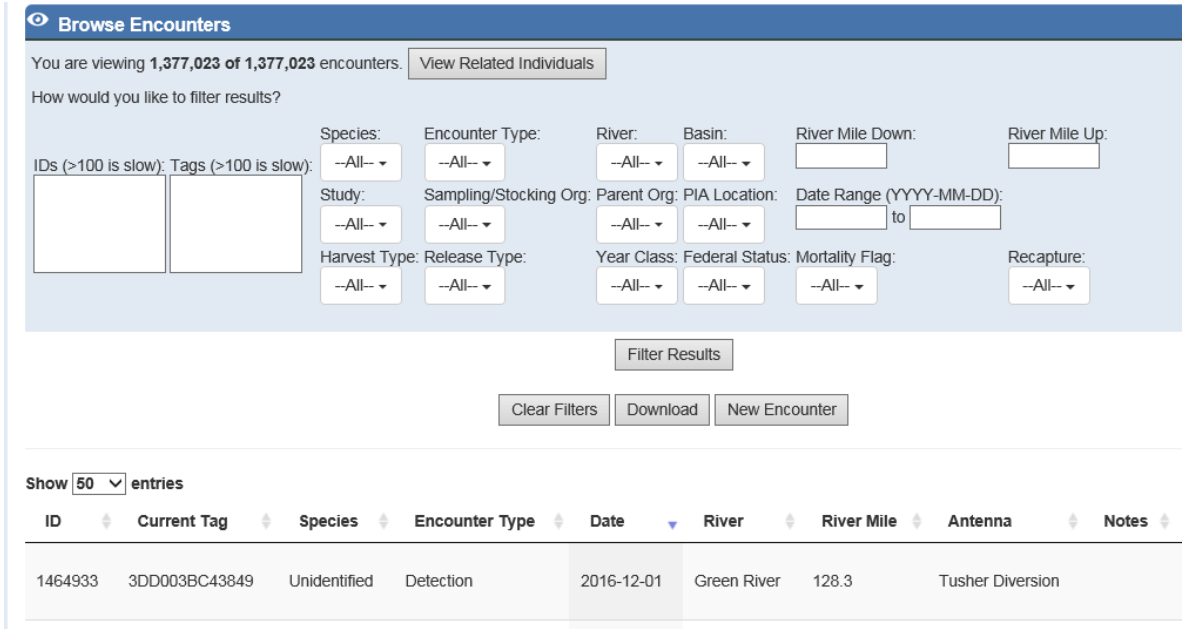
Showing 1 to 13 of 13 entries

Previous 1 Next

- **New filter to Browse Fish by Individual ID or set of IDs.**

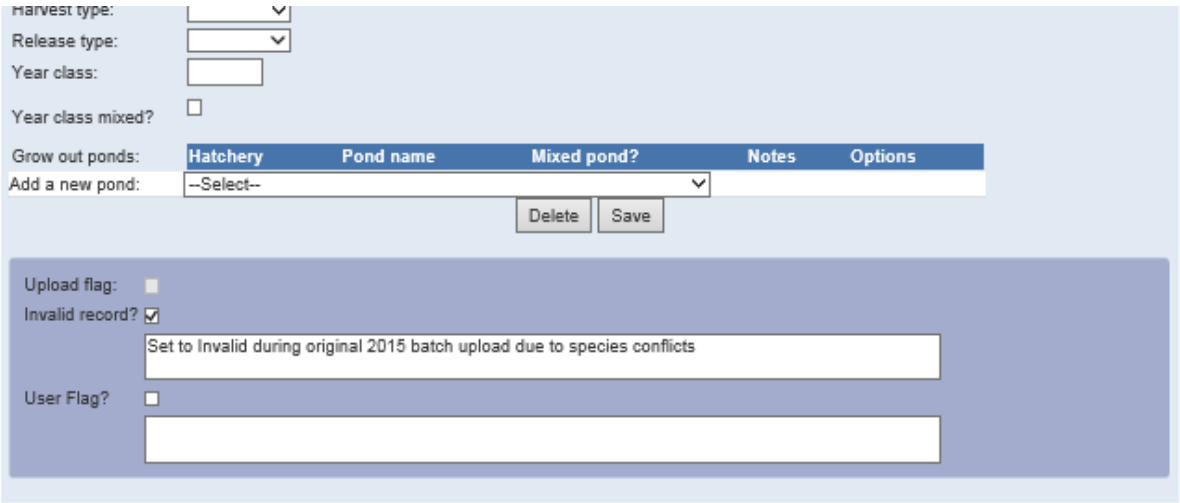


- **New filter to Browse Encounters by Encounter ID or set of IDs.**

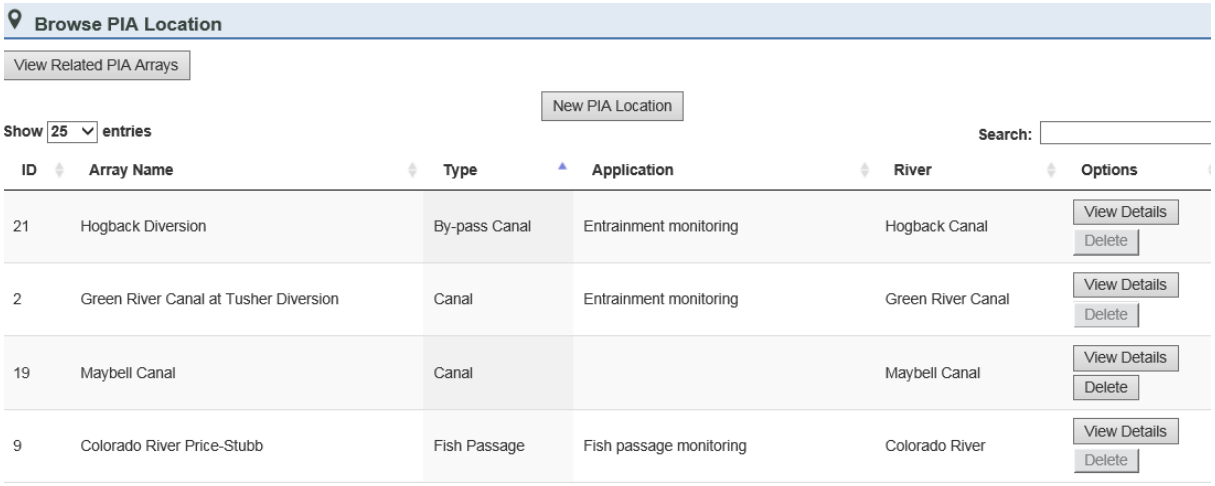


- **New system for flagging records –** Data flags have been reorganized in the data tables and on the webpage. There are three flag options now for Individuals. Flags for other features, such as Encounters or Tags, and flag characteristics will be adjusted as details are ironed out by Database Managers.
    - Upload flags are generated by the system during Uploads. Currently, a sex conflict will trigger an Upload flag. Only the system can set Upload flags and only Database Managers can uncheck them.

- Invalid records were flagged during the original import to STReaMS in 2015 for records with species conflicts (new records with this conflict will get rejected). Only Database Managers can edit Invalid flags.
- User flags can be checked by any User that sees an error or suspects an error but does not have permission to edit the record in STReaMS.



- **Delete button is disabled for PIA Locations with data.**



- **Toggle between PIA Locations and Arrays in the PIA Location list.**

Browse PIA Locations (viewing related PIA Location Arrays)

<< Back to PIA Locations

New PIA Location

Show 25 entries

Search:

ID	Name	PIA Location	Orientation	River	River Mile	Options
13	Price-Stubb	Colorado River Price-Stubb		Colorado River		View Details
17	Near Disappointment	Dolores River		Dolores River		View Details
16	Rio Mesa Ctr	Dolores River		Dolores River		View Details
2	Below siphon	Green River Canal at Tusher Diversion		Green River Canal		View Details
1	Flume	Green River Canal at Tusher Diversion		Green River Canal		View Details
28	Hogback By-pass Facility	Hogback Diversion		Hogback Canal		View Details
29	Hogback Intake	Hogback Diversion		Hogback Canal		View Details

- **Primary and Secondary contacts are listed on PIA Location page.**

Edit *Tusher Diversion* PIA Location

A "PIA Location" is the physical and semi-permanent position of a passive interrogation array, antenna, or portable device. If an interrogation device is left in one place for more than a day, it is considered a PIA location.

Required fields are indicated with an * .

PIA Location Information

Name*: Tusher Diversion

Code:

Type*: Fish Passage

Application: Fish passage monitoring

Description: Antennas installed across the newly built Tusher Diversion, including fish passages, boat passage, and water wheel area. Most antennas are flat

River*: Green River

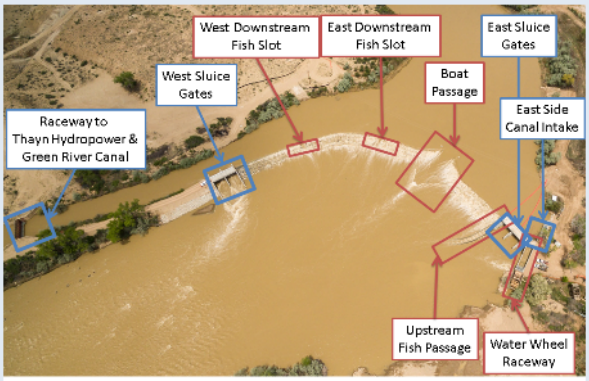
Number of arrays: 1

Inactive? ☐

Approximate operational date range:

05/13/2016 to

This is a broad date range for the entire system. Outages are documented on the Antenna Array page.



Green River Diversion Antenna Array Layout
Red = Antenna Locations
Blue = Other facilities

Primary Contact: McAbee, Kevin

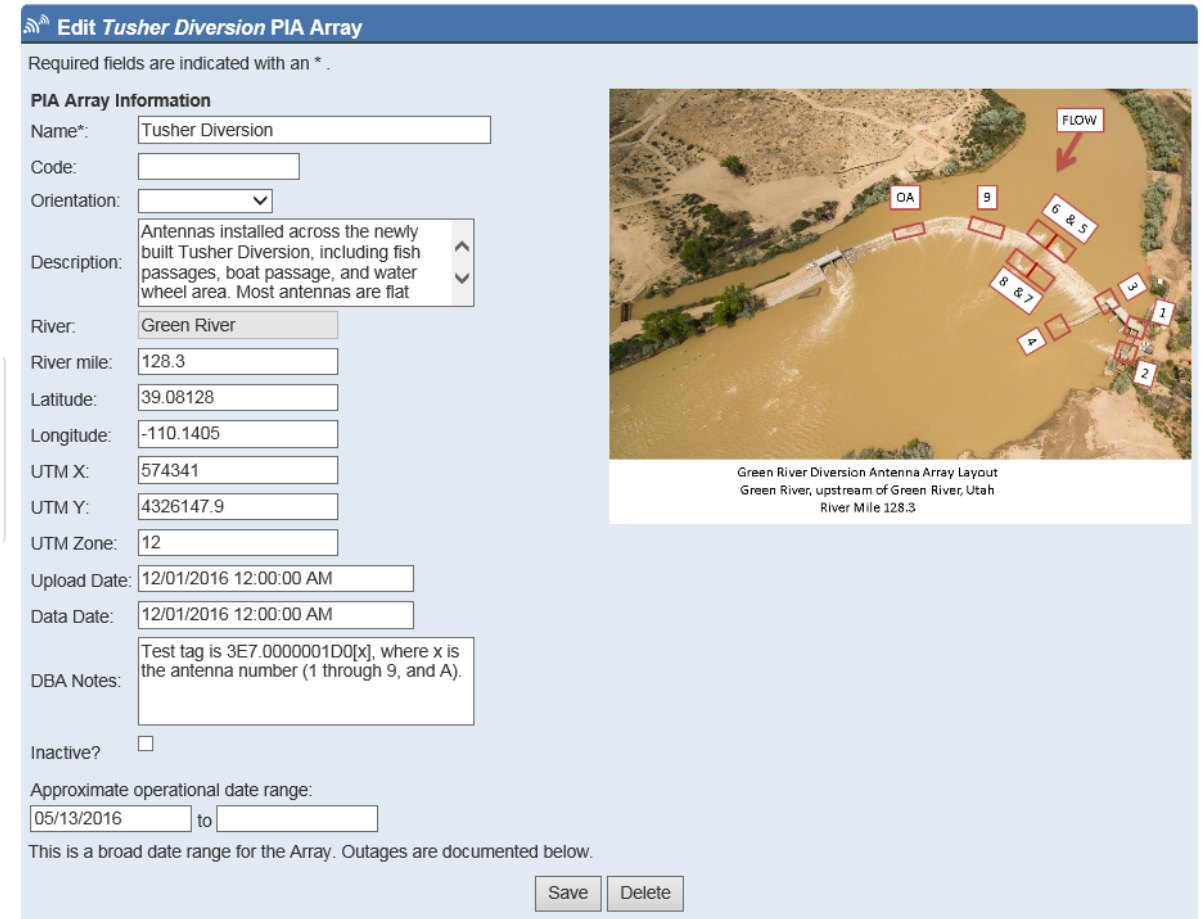
Primary Contact Email: kevin_mcabee@fws.gov

Secondary Contact: Mackinnon, Peter

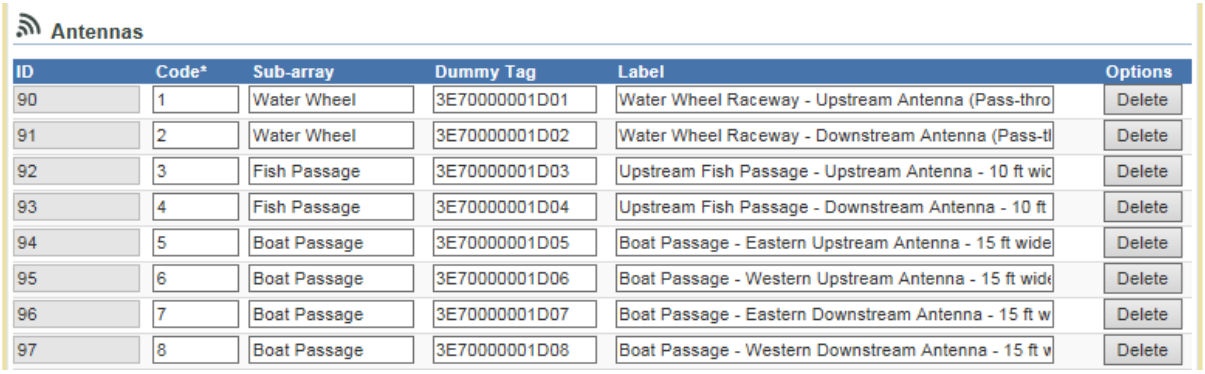
Secondary Contact Email: pdmackinnon@gmail.com

Save Delete

- **Spatial Attributes are moved from the PIA Location page to the Array page –** To better align the database with PIA configurations, River mile, Latitude, Longitude, UTM X, UTM Y and UTM Zone have been moved from the PIA Location page to the Array page.



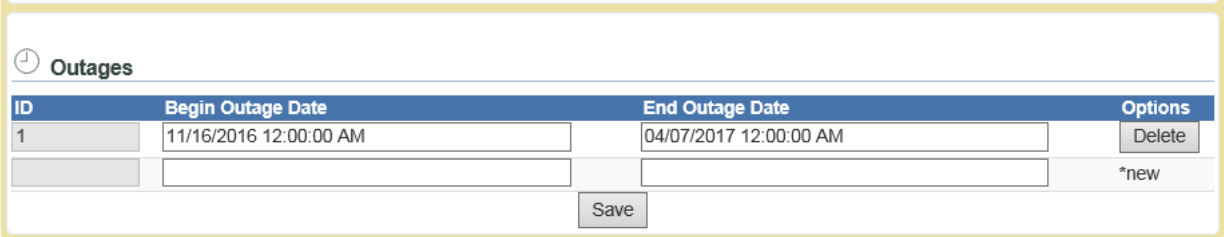
- **Dummy tags are stored at the Antenna level –** Dummy tags were moved from the Array page to the Antenna table to better represent how PIAs are configured.



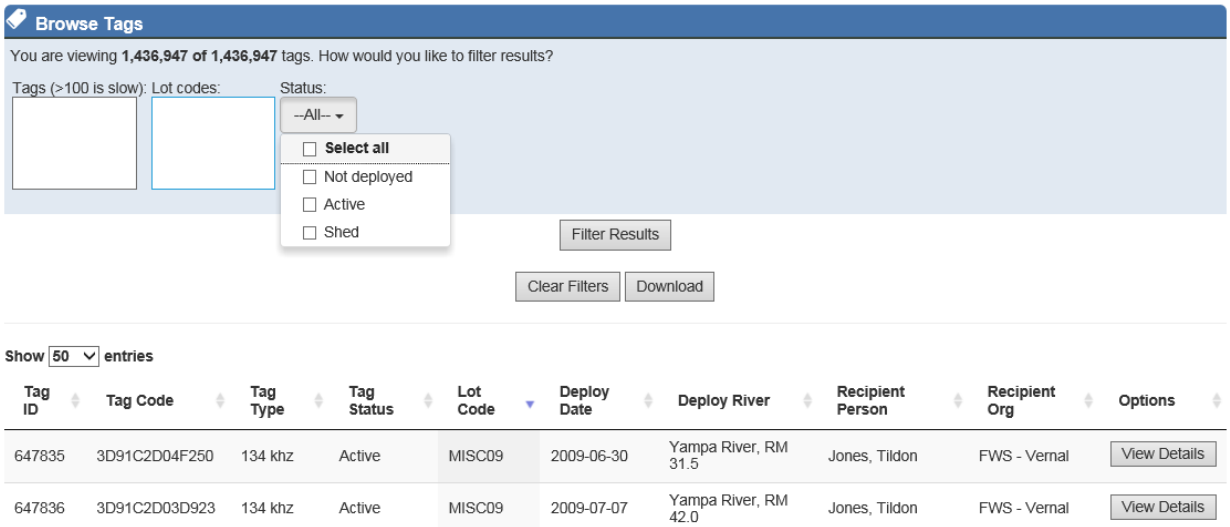
Antennas

ID	Code*	Sub-array	Dummy Tag	Label	Options
90	1	Water Wheel	3E70000001D01	Water Wheel Raceway - Upstream Antenna (Pass-thro	Delete
91	2	Water Wheel	3E70000001D02	Water Wheel Raceway - Downstream Antenna (Pass-tl	Delete
92	3	Fish Passage	3E70000001D03	Upstream Fish Passage - Upstream Antenna - 10 ft wic	Delete
93	4	Fish Passage	3E70000001D04	Upstream Fish Passage - Downstream Antenna - 10 ft	Delete
94	5	Boat Passage	3E70000001D05	Boat Passage - Eastern Upstream Antenna - 15 ft wide	Delete
95	6	Boat Passage	3E70000001D06	Boat Passage - Western Upstream Antenna - 15 ft wide	Delete
96	7	Boat Passage	3E70000001D07	Boat Passage - Eastern Downstream Antenna - 15 ft w	Delete
97	8	Boat Passage	3E70000001D08	Boat Passage - Western Downstream Antenna - 15 ft w	Delete

- **Outages are tracked for each Array.**



- **New filter to Browse Tags by Tag Status.**



- **Enhancements to Tag Details page –** Tag Lots are now editable by Database Managers. A new status for Shed Tags and a field for Notes have been added. Related Tag Lots and Encounters are now accessible through the page.

Edit *3DD003BC33AEF* Tag

Required fields are indicated with an * .

Tag Information

Tag code*:	3DD003BC33AEF
Tag type*:	134 khz
Tag status:	Shed
Associated tag lot:	AAA023125
Associated individual:	ID = 175391, *Xyrauchen texanus*
Deploy date:	10-06-2014 00:00
River where tag deployed:	San Juan River
River mile where tag deployed:	196.0
Deployed by:	
Notes:	Tag was stuck in Antenna 1 of Hogback By-pass Facility PIA and retrieved by Peter Mackinnon on 9/30/2015.

Save Delete

Other Details

Tag Lots

Show 10 entries Search:

TagLot ID	Lot number	Recipient name	Recipient organization	Ship date	Purpose	Order code	Options
8729	AAA023125	Gross, Mike	FWS - Grand Junction	01/13/2014 12:00:00 AM	BT & RZ STOCK	SO14916	View Details

Showing 1 to 1 of 1 entries Previous 1 Next

Encounters

Show 25 entries Search:

ID	Current Tag	Species	Encounter Type	Date	River	River Mile	Antenna	Notes	Options
875957	3DD003BC33AEF	Xyrauchen texanus	Stocking	2014-10-06	San Juan River	196.0		Ouray NFH Grand Valley Unit, Hard Released at Bloomfield as part of the 2014 Stocking Comparison	View Details Delete
1141519	3DD003BC33AEF	Xyrauchen texanus	Detection	2015-06-22	Hogback Canal		Hogback Diversion	Tag has been shed from fish and was found stuck in Antenna 1.	View Details Delete

Showing 1 to 2 of 2 entries Previous 1 Next

- **Stocking Events are active on the Studies page –** Review the list of Stocking Events for a Study, create a new Event, or View Details.

Edit ONFH Randlett 2015
BT Stocking Study
Personnel
Samples
Stocking Events
Encounters

Stocking Events

New

Show 10 entries Search:

ID	Stocking Number	Date	Stocked Species	River	River Mile	Options
22	FWSRH20150430BT	05/02/2015 12:00:00 AM	Gila elegans	Green River	262.0	View Details Delete
23	FWSRH20150610BT	06/12/2015 12:00:00 AM	Gila elegans	Green River	262.0	View Details Delete

Study List > Study 176 Details > Stocking Event 22 Details

Editing *FWSRH20150430BT*

Required fields are indicated with an * .

Stocking Number:	FWSRH20150430BT
Date:	2015-05-02
Species Stocked*:	Gila elegans
Principle Biologist:	Fry, Matthew
River*:	Green River
Reach:	--Select--
River Mile:	262.0
River Right Or Left:	
Habitat Type:	--Select--
Latitude:	
Longitude:	
UTMX:	
UTMY:	
UTM Zone:	
River Temperature:	16.0
Tank Temperature:	14.1
pH River:	8.1
pH Tank:	8.1
Tempered Time (in minutes):	60
Stock Year:	2015

Save Delete

- **Enhancements to Organization page** – Table of Contents has been added and Tag lots are linked.

Edit the Colorado Parks and Wildlife Organization

Personnel

Studies

Tag lots

135	YA NP Removal	Yampa River	View Details Delete
171	Yellow Jacket Canyon	San Juan River	View Details Delete

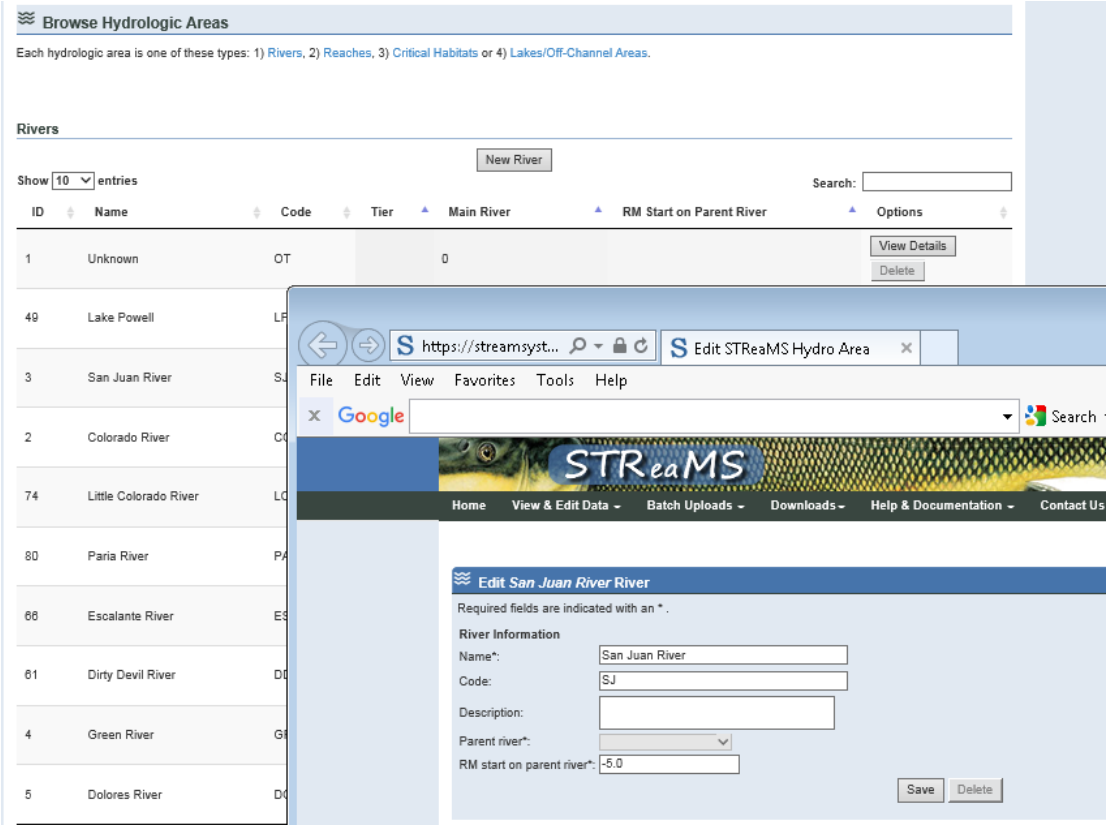
Showing 1 to 16 of 16 entries Previous 1 Next

Tag lots

Show 10 entries Search:

ID	Lot Code	Recipient Name	Recipient Organization	Ship Date	Purpose	Order Code	Options
9238	AAA013200		Colorado Parks and Wildlife	01/13/2014 12:00:00 AM	MUMMA BT	SO13657	View Details
9239	AAA013201		Colorado Parks and Wildlife	01/13/2014 12:00:00 AM	MUMMA BT	SO13657	View Details
9240	AAA013202		Colorado Parks and Wildlife	01/13/2014 12:00:00 AM	MUMMA BT	SO13657	View Details
9241	AAA013203		Colorado Parks and Wildlife	01/13/2014 12:00:00 AM	MUMMA BT	SO13657	View Details
9242	AAA013204		Colorado Parks and Wildlife	01/13/2014 12:00:00 AM	MUMMA BT	SO13657	View Details
9243	AAA013205		Colorado Parks and Wildlife	01/13/2014 12:00:00 AM	MUMMA BT	SO13657	View Details
9244	AAA013206		Colorado Parks and Wildlife	01/13/2014 12:00:00 AM	MUMMA BT	SO13657	View Details
9245	AAA013207		Colorado Parks and Wildlife	01/13/2014 12:00:00 AM	MUMMA BT	SO13657	View Details
9246	AAA013208		Colorado Parks and Wildlife	01/13/2014 12:00:00 AM	MUMMA BT	SO13657	View Details
9247	AAA013209		Colorado Parks and Wildlife	01/13/2014 12:00:00 AM	MUMMA BT	SO13657	View Details

- **When you click to View Details for a record in a Lookup list, the page opens in a new tab or window.**



Bugs Fixes and Issues

- **Lists are optimized to prevent web pages from timing out -** Some records with lots of Encounters (ex. Razorback Sucker Augmentation Study with 145,000 Encounters) were timing out before lists of Encounters could be generated. Other pages were slow to build. All lists of data throughout the website have been optimized to prevent performance issues. Pages will load much quicker now.

- **Hide River miles for Registered Users in "Other Encounters" list -** When viewing an Encounter as a Registered User (lowest role with limited viewing privileges), river miles were excluded from the details but were visible in the list of Other Encounters. This field has been removed to be consistent with the rest of the site.

- **Calendar pickers have been fixed on PIA Locations page –** The calendar picker was not working correctly in several places on the PIA Location and Array pages.