



Friday, July 28, 2023

## Accomplishment/Progress Reporting

**Project/Program Title:**

Designing for Sturgeon Passage in the San Joaquin River at the Eastside Bypass Control Structure

**USFWS Grant Number:**

N/A, Resource Management

**Email address of individual submitting this report:**

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**Name of individual submitting this report:**

Austin Demarest

**Dates covered by this report:**

Start Date: 04/11/2023 End Date: 08/01/2023 Difference: 112 days

**Briefly summarize (2-3) sentences) overall progress and accomplishments applicable to this time period.**

Funds have been received at the Lodi Fish and Wildlife Office, although have not been spent during this reporting performance period. The USFWS was able to leverage cost-shares for acoustic receiver array maintenance. We anticipate starting to draw from these funds during the next performance period.

**Task specific/deliverable updates (for each task in the cooperative agreement, provide a brief update on progress; provide brief update on significant work toward, or completion of any deliverables from the cooperative agreement):**

USFWS leveraged cost-shares to develop the summary report attached as a deliverable for this performance period. The report provides details for maintaining the 27 receivers as well as tagging 11 additional White Sturgeon from February 2022 through July 2023. The USFWS was also able to leverage cost-shares to purchase an additional 16 acoustic receivers and 10 acoustic tags. These additional materials will allow the USFWS to install new receivers or replace acoustic receivers that may have been damaged during flood flows in the San Joaquin River in 2023. These additional acoustic tags will enable the USFWS to tag 10 more White Sturgeon and track their migration with the existing acoustic receiver array.

**Any significant developments beyond those reported for specific tasks/deliverables:**

USFWS was able to leverage cost-shares to purchase 16 additional acoustic receivers for FY2023 and 10 acoustic tags that will be used for sturgeon tagging in FY2024. These additional acoustic receivers will increase the amount of data that can be collected with the California Fish Passage Forum funding. The additional acoustic tags will allow the USFWS to tag 10 more White Sturgeon in FY2024.

**Any delays/issues that are impacting or may impact progress of the project:**

None to date. USFWS cost-shares have allowed us to maintain the acoustic receiver array for this performance period. However, tagging sturgeon didn't occur in 2023 due to Flood Flows which prevented these activities from occurring within the San Joaquin River.

**Summary of invoices/charges to the agreement (include amount and date of any invoices submitted for payment under the agreement that occurred during the reporting period.**

**Optionally, include a summary of charges incurred during the reporting period that will be invoiced during the next reporting period):**

\$49,837.00 in funds remain available for total project completion. USFWS cost-shares have allowed us to leverage accomplishments for this performance period. We anticipate funds to begin being drawn down starting in the next performance period once river conditions allow acoustic receiver array maintenance. The remaining funds will be completely drawn down over the life of the funding agreement.

**Anticipated work in the next six months (if this timeframe includes Oct 1, please describe any accomplishments that will occur before this date):**

It's anticipated the funding will be used during the next performance period to maintain receivers, offload data, and replace or install new receivers that were purchased with USFWS cost-share leveraged funds. This should occur before October 1 and occur again during the following performance period. Funds will also be spent to acquire the necessary surgery supplies as well as replacement gill and trammel nets needed for the FY2024 White Sturgeon tagging season.

**Summary and number of any outreach activities or significant meetings related to the project:**

The USFWS attended the September 25 Sturgeon Project Work Team meeting to provide updates to ongoing monitoring activities. The USFWS has remained in contact with the CDFW La Grange office for sharing data for complimentary Sturgeon acoustic tracking effort.

**Please include any additional information (pictures, documents, presentations, or similar outputs developed during the reporting period related to the project). \*\*PLEASE NOTE: USFWS requires before and after photos for every barrier removed/remediated. Please supply when available AND include in the final report when submitted.\*\***



White Sturgeon Telemetry Stu....pdf

**Expected Completion Date for Forum-funded Activities**

Tuesday, October 1, 2024

**Summary and number of any monitoring activities conducted as part of this project:**

All acoustic receivers were maintained In February 2023 as part of cost-shared funds leveraged from the USFWS. Sturgeon tagging in 2023 was cancelled due to Flood Flow conditions within the San Joaquin River which overtopped streambanks making conditions unsafe for field crew. Monitoring and maintaining acoustic receiver array will start to draw down these funds during the next performance period. Monitoring effort to capture and tag White Sturgeon is anticipated to be implemented in March 2024.

**Tags**