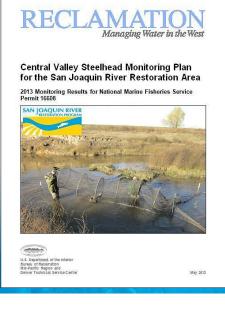




2013 Monitoring Report

Annual Steelhead Monitoring Report can be found on the San Joaquin River Restoration website

http://restoresjr.net/



Preliminary Draft, Subject to Revision



Steelhead Monitoring Plan

- In 2012, Reclamation implemented a steelhead monitoring and detection plan for the SJR upstream of the Merced River confluence that would, in the event of a capture, document and transport fish to suitable habitats downstream from the mouth of the Merced River.
- Central Valley steelhead distinct population segment includes tributaries to the SJR and therefore the presence of steelhead must be monitored.
- Interim flows could attract adult steelhead into the Restoration Area and attracted fish would not have access to appropriate spawning habitat due to a number of impassable barriers.





Monitoring

Period:

• Sampling conducted from January — March 2013

Location:

 SJR-Merced Confluence to approximately 3.5 miles upstream of Hwy 165 Bridge (Reach 5) and adjoining sloughs.

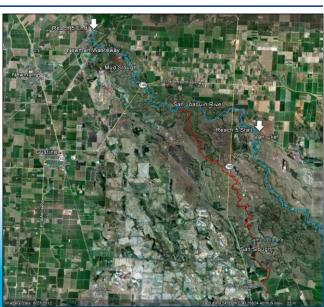




Monitoring Area

Total of approximately 37.4 river miles monitored:

- Approximately 18 SJR miles
- 19.4 miles of slough tributaries





Sampling Methods

Sampling Methods:

- Boat Electrofishing
- Fyke nets with wing walls and fish traps
- Steelhead-specific trammel nets
- Hills Ferry Barrier and Fyke Trap (provides barrier during fall flows)

Migrating adult steelhead are difficult to monitor with commonly used salmonid monitoring techniques (*e.g.,* carcass surveys, snorkel surveys, redd counts) due to their unique life-history traits and turbid water conditions in most of the Restoration Area.





Boat Electrofishing Locations





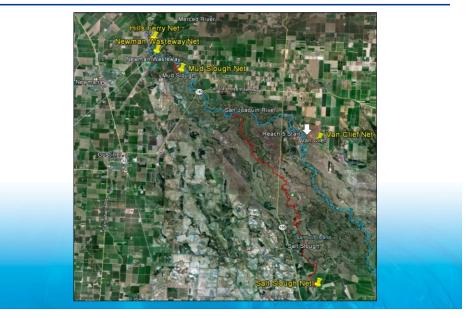
Sampling Methods

Fyke net traps with wing walls





Fyke Netting Locations





Preliminary Draft, Subject to Revision



Trammel Netting Locations





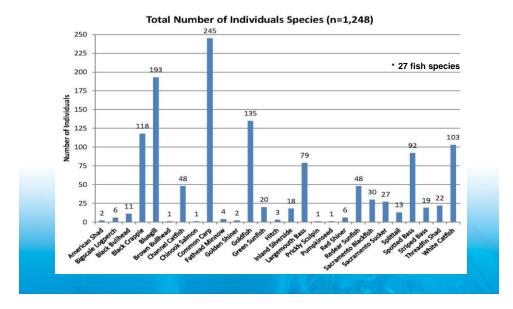
Sampling Methods

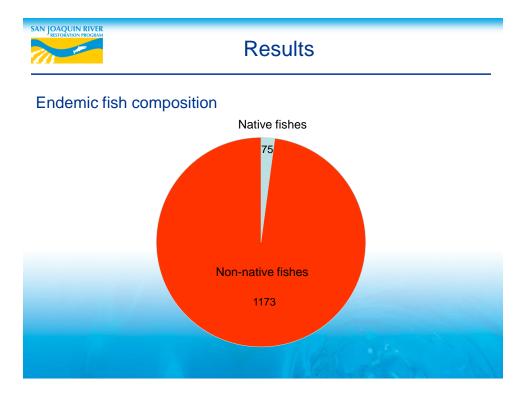
Hills Ferry Barrier and Fyke Trap





Results







Results

Sampling technique

	E-Fishing	Fyke Trap	Trammel Net
Species Captured	673	393	182
Native	36	9	30
Non-native	637	384	152



