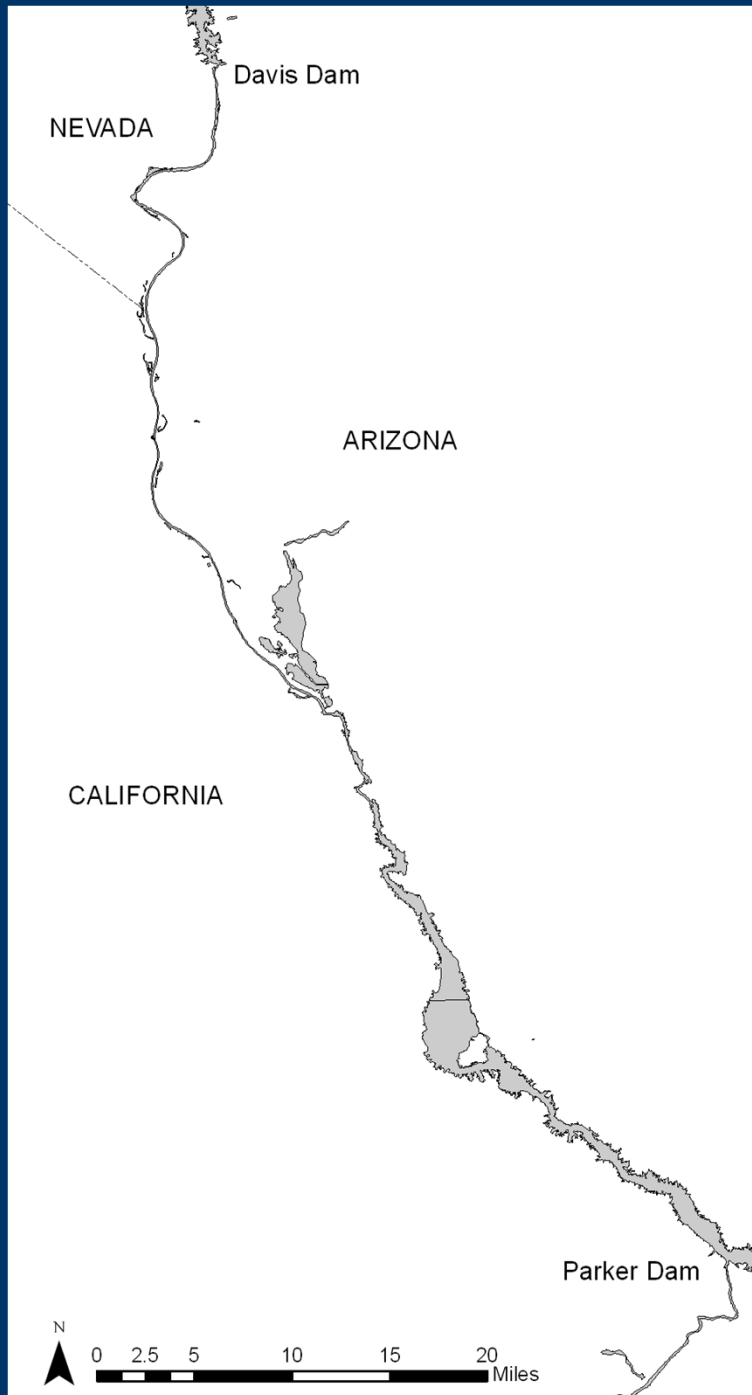


Initiation of studies of razorback sucker survival in lower Colorado River Reach 3

Patterson, Karam, Kesner and Marsh





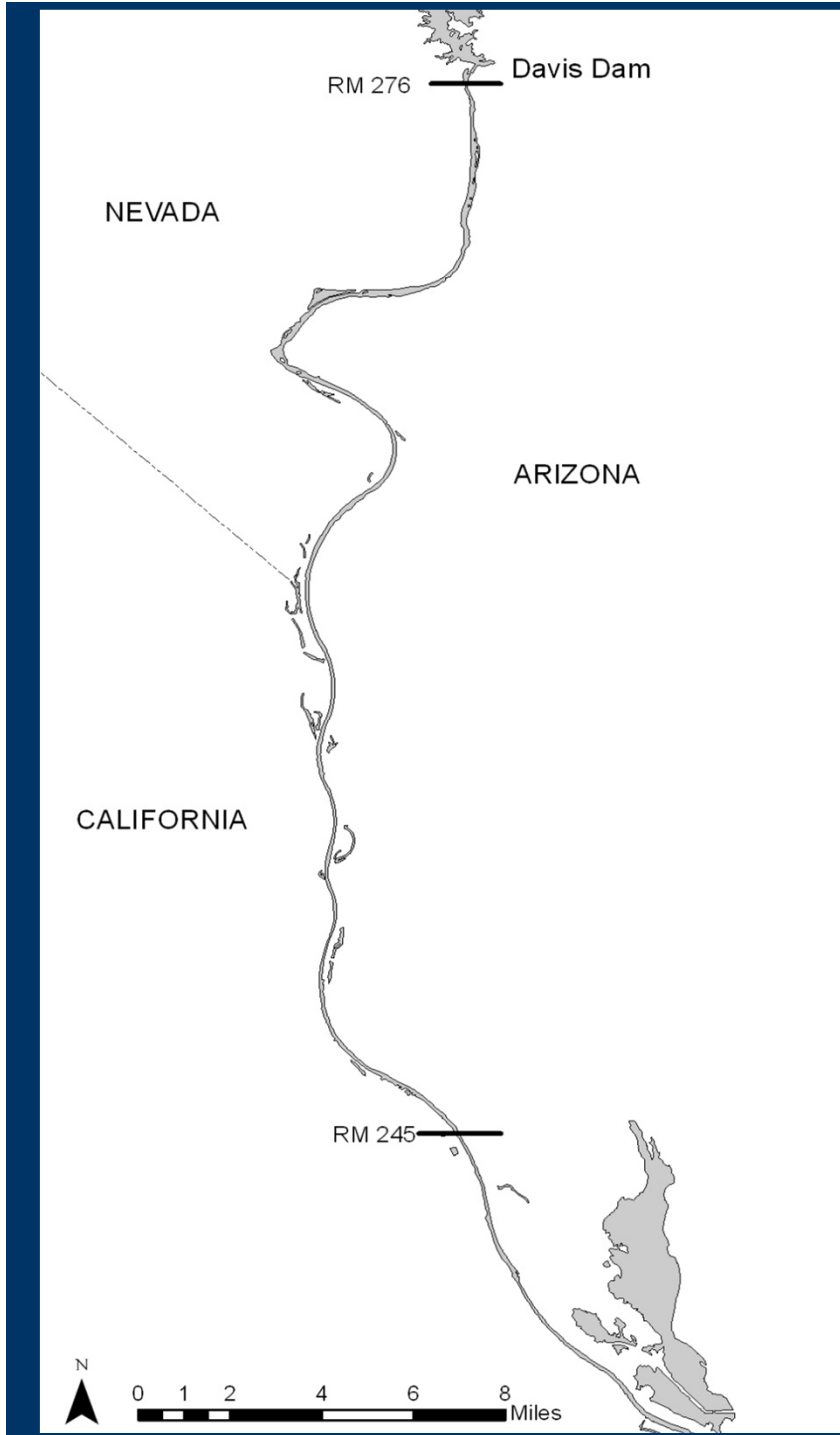
- 38,000 repatriated between 2006 and present
- Spawning sites located
 - Wydoski and Mueller 2005, Wydoski *et al.* 2010
- Population estimates?
- Survival?



Goals

- I. Current population
- II. Survival factors





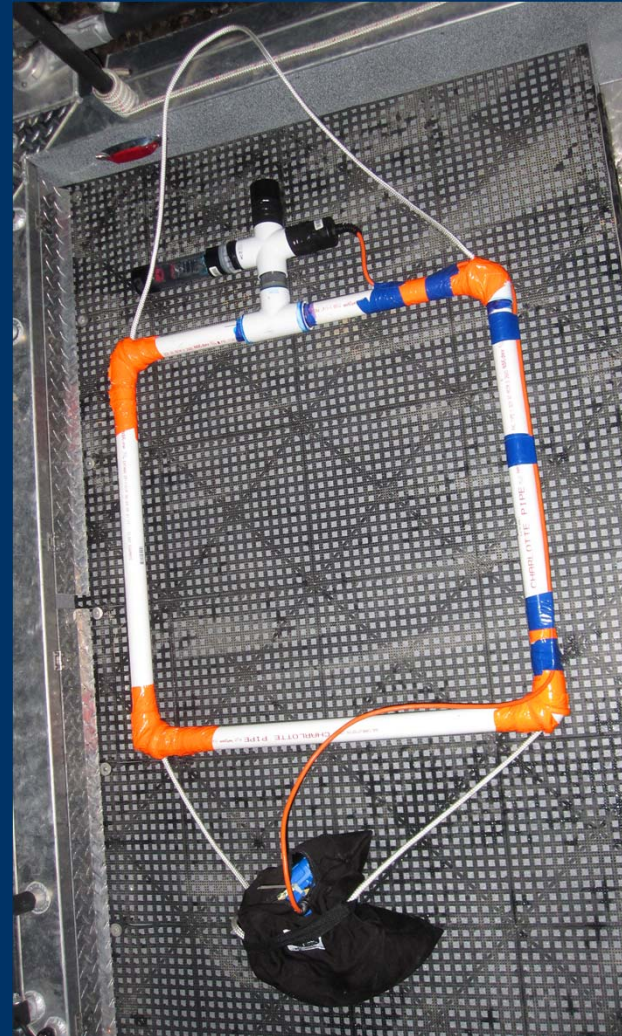
Area of focus

- Davis Dam to Needles
- Spawning sites



Methodology

- Remote PIT scanners
 - Swift and still waters
 - 24 hour monitoring
 - Reduce handling



Remote PIT Scanners

- Successful in Lake Mohave
 - Kesner *et al.* 2012



Methodology

- Assess numbers of 134 kHz tags
- Health monitoring
- Genetics



Addressing Goal I.

- Population estimates
- Amalgamate data
 - Data! Data! Data!



Goal II.

- Survival estimates
 - Size at release
 - Location, time of year
 - MARK



Sooo....

- That's the plan

