

How can the Santa Ana sucker be saved?

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July 28, 2016

1 Introduction

According to Kolbert 201X, we are in the midst of a dramatic extinction event – rivaling major catastrophic extinctions in the past. The difference with the current situation is the cause: The dominance of human beings over the Earth’s surface led to the extirpation of thousands of species, and counting.

It’s easy to second guess various scientific and policy questions with respect to endangered species, but when we begin to evaluate what is actually being done on the ground for various species, we quickly learn that we are not just in a ecological web, we are also in a policy and regulatory morass.

1.1 Driving Question

How can we save the Santa Ana sucker?

As we have seen, this is a generic question that needs to be constrained, defined, and subject to what we already know about the sucker.

2 Learning Goals

- Evaluate sucker habitat using the following tools:
 - Define Water Quality Goals
 - Characterize Hydrology and Geomorphology
 - Analyze Community Profile of Periphyton
- Propose and evaluate options to improve Santa Ana sucker habitat.
- Present a report to Stakeholders.