

Symposium and 39th Annual Meeting

“Conserving California-Nevada Fisheries into the Future”

March 19, 2005

Holiday Inn Capital Plaza, 300 “J” St., Sacramento, CA 95814

(916) 446-0100 or fax (916) 446-0117

is hosting the Symposium Green Sturgeon and the Environment

Until recently, our knowledge of green sturgeon has been surprisingly limited, despite the historical extent to which this species has been impacted by environmental changes, fishing pressures, and loss of spawning habitat. Recent advances in basic and applied fisheries science have considerably augmented the information available on green sturgeon. In particular, our knowledge of this species' early life history, environmental physiology, movement, and population spatial structure have greatly increased. However, our understanding of this fish is still developing, and quantitative information on abundance at different life history stages and adult reproductive productivity is still lacking.

At present, scientists and fisheries managers need to work together to incorporate this new knowledge, identify gaps in our understanding, and design and implement management plans for green sturgeon that include population abundance, productivity, spatial structure, and consideration of life history diversity. This session will provide an overview of the science and management on green sturgeon and relate how they are shaping policies on conservation. Papers, based on presentations in this session, will be collected for publication in *Environmental Biology of Fishes*, as the definitive peer-reviewed volume to date of green sturgeon science and management.

A series of sessions addressing the current status of Green sturgeon research have been prepared with international participation:

- I. Reproduction and Environmental Physiology**
- II. Movement and Behavior (Co-chair: John Kelly; jtkelly@ucdavis.edu)**
- III. Population Biology (Co-Chair: Dr. Pete Klimley; apklimley@ucdavis.edu)**
- IV. Fisheries and Conservation (Co-Chair: Josh Israel; jaisrael@ucdavis.edu)**

The proceedings of the symposium will be published in *Environmental Biology of Fishes*."