

TITLE:

Monitoring the Pulse of Wetland Restoration in Arizona: Arizona Game and Fish Department In-Lieu Fee Restoration Program

AUTHORS:

*Nora N. Clark¹, Shawn F. Lowery², and Michael F. Ingraldi³

¹Arizona Game and Fish Department, Flagstaff, Arizona, Coconino County, nclark@azgfd.gov

²Arizona Game and Fish Department, Tucson, Arizona, Pima County, Slowery@azgfd.gov

³Arizona Game and Fish Department, Concho, Arizona, Navajo County, Mingraldi@frontiernet.net

ABSTRACT:

The Arizona Game and Fish Department in collaboration with the Army Corps of Engineers is implementing an In-lieu Fee Wetland Restoration Program. This program is designed to offset injures to jurisdictional waters and in the process enhance and protect wetlands systems delineated in Arizona. In order to evaluate and make predictions on future management needs within our restoration project areas, we employ a monitoring regime that improves our understanding of the ecological systems using an adaptive management framework. Monitoring data is used to establish measurable objectives (desired conditions) for restoration efforts and track the progress of these efforts. This robust program consists of a three phase monitoring regime: (1) baseline, (2) five year post-restoration and (3) long-term effectiveness. Herein, we describe the details of the monitoring approach and provide an example of a monitoring project that is in progress.

AFFILIATIONS:

Arizona Game and Fish Department

PRESENTATION TYPE:

Poster

PRESENTING AUTHOR:

nclark@azgfd.gov

(928)245-8792