

**RESOLUTION OF THE
WHITE MOUNTAIN APACHE TRIBE OF THE
FORT APACHE INDIAN RESERVATION**

WHEREAS, the White Mountain Apache Tribe has taken steps to restore its wetlands to a healthy, productive condition through the establishment of the Land Restoration Fund and the adoption of a Wetlands Conservation Plan and Watershed Restoration Strategic Plan; and

WHEREAS, Jonathan Long, a tribal employee since 1993 who is currently working toward a doctoral degree in Forest Science at Northern Arizona University, has sought permission to prepare a dissertation concerning indicators of riparian-wetland health on the Reservation using data collected by the Tribal Watershed Program and from interviews with tribal cultural advisors; and

WHEREAS, this research effort would aid the Tribe by providing training in assessment techniques to tribal members, evaluating the success of existing projects, designing future restoration projects, publishing the Tribe's restoration efforts, and supporting the Tribe's comprehensive ecosystem management efforts; and

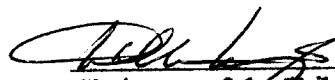
WHEREAS, on May 19, 1999, the Tribal Cultural Advisory Board gave their unanimous consent to Mr. Long's proposal to conduct interviews and field visits with tribal cultural advisors; and

WHEREAS, Beverly Malone and Candy Lupe have agreed to serve as tribal representatives helping to oversee this research.

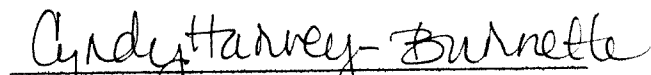
BE IT RESOLVED by the Tribal Council of the White Mountain Apache Tribe that it hereby grants permission to Mr. Long to conduct his proposed research as presented to the Tribal Council (attached) including access to the selected restoration sites for the duration of the project.

BE IT FURTHER RESOLVED by the Tribal Council, that it further authorizes publication of the dissertation and associated journal articles upon review by the Tribe's Legal Department and Cultural Advisory Board.

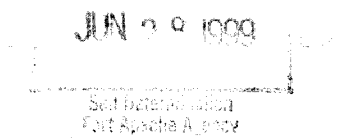
The foregoing resolution was on June 3, 1999, duly adopted by a vote of EIGHT for and ZERO against by the Tribal Council of the White Mountain Apache Tribe, pursuant to authority vested in it by Article IV, Section 1 (a), (f), (t) and (u) of the Constitution of the Tribe, ratified by the Tribe on September 30, 1993, and approved by the Secretary of the Interior on November 12, 1993, pursuant to Section 16 of the Act of June 18, 1934 (48 Stat. 984).



Chairman of the Tribal Council



Secretary of the Tribal Council



Research Proposal by Jonathan Long

Title: Indicators of Health and Restoration Capability of Riparian Wetlands on the White Mountain Apache Reservation

My goals:

- 1) Test how factors such as **plants, soil conditions, and the shape of the stream channel** change in response to changes in health under restoration treatments
- 2) Identify indicators of stream health accepted by tribal cultural advisors

How I propose to conduct this research:

- 2) Study conditions at thirteen sites across the Reservation from the mountains to the Salt River.
- 3) Use existing information collected by the Tribal Watershed Program, including vegetation surveys and cross-sections. This data has been used in preparing reports that have been given to various funding agencies.
- 4) Collect new information on soil conditions at the various sites.
- 5) Talk with tribal cultural advisors, show them photos of sites through time, and take them to restoration sites to discuss how places have changed and which factors they consider important in describing the health of these wetlands

Guidelines

- 1) I have obtained permission from the Tribal Cultural Advisory Board to work with advisors.
- 2) I will use data that is not sensitive and generally has been used in published reports.
- 3) Candy Lupe of the Watershed Program and Beverly Malone of the Culture Center have agreed to help oversee this research.
- 4) I will obtain approval from the Tribal Legal Department and Cultural Advisory Board before publishing any reports based on the research.

How this research will benefit the Tribe:

- 1) By conducting my research here, I can continue to help the Tribal Watershed Program by designing projects, assisting with data collection, and training tribal member staff.
- 2) This research will compile the data that has been collected for several years so we can better evaluate the success of our efforts and design better projects for the future.
- 3) Publication of this research will bring attention to the Tribe's progressive management and support future funding proposals.
- 4) This research will support the Tribe's primacy in managing in land and waters. The research into cultural views toward stream health may provide valuable support of the Tribe's water rights by demonstrating how the Tribe has actively managed its water resources since time immemorial.