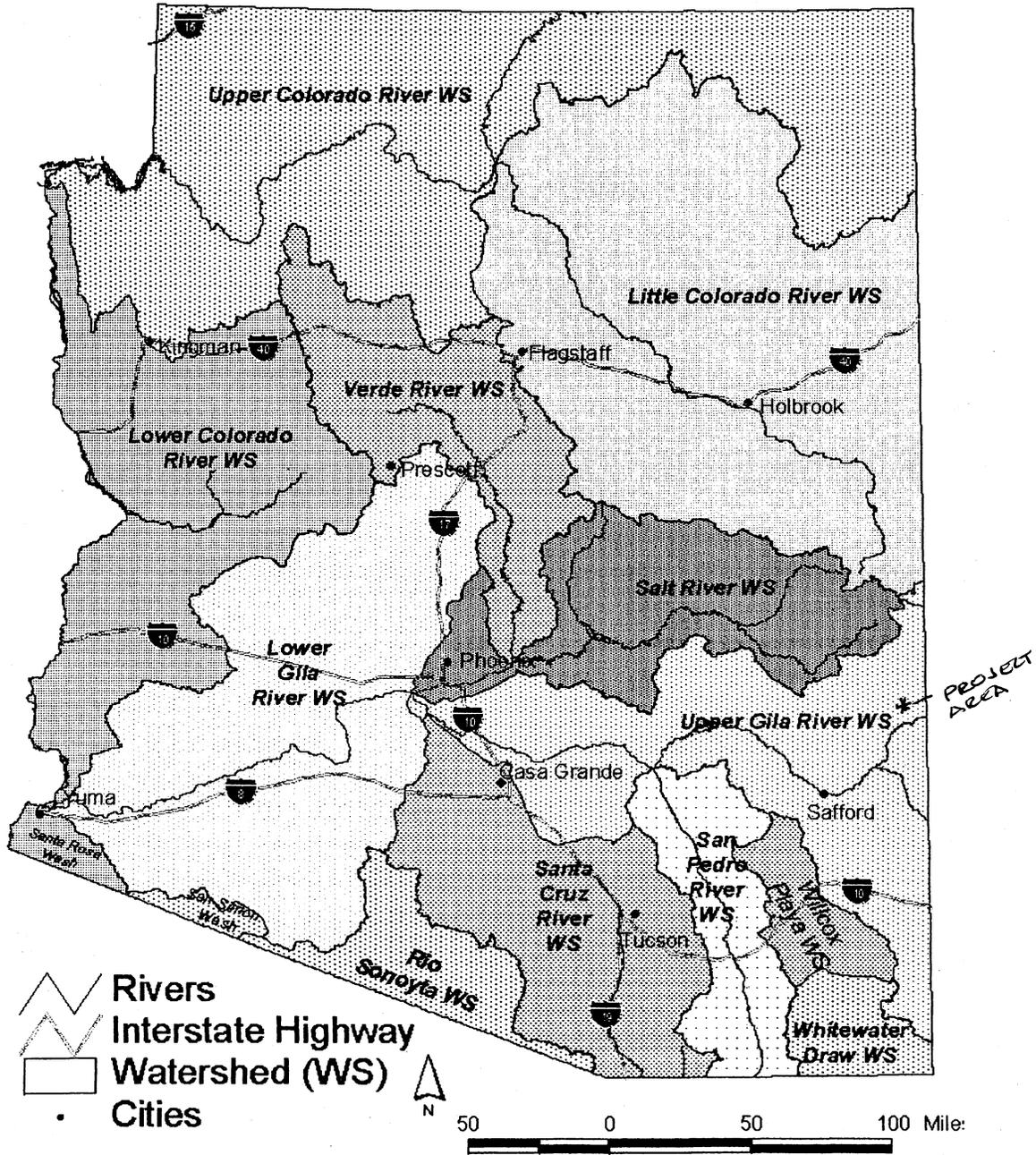


Arizona Watershed Map FY 2008



Title of Project: Indian Crossing Restoration Project

3) Executive Summary

The Eagle Creek Road – U.S. Forest road 217, crosses Eagle Creek at a number of locations. The location of this project – the Indian Crossing, has been repeatedly repaired after major storm events. The Apache Sitgreaves District Ranger, Frank Hayes has attempted to obtain funds to repair these crossings through Forest service RAC funds, other USFS funds, and the USFWS Partners for Fish and Wildlife, but the crossings have been too expensive to fix in a sustainable manner. The proposed project would make the crossing much more stable and sustainable, as well as more environmentally sound. Material such as Armorflex (or other similar product), an interlocking paving system used in high flow, low stream crossings, would form an interlocking matrix of concrete blocks of uniform size, shape and weight connected by a series of cables will be installed over site specific filter fabric on a prepared surface. This would result in a non-erodible, stable surface which would last for 25+ years. The crossing will not be widened, but material will be placed with a front-end loader both upstream and downstream of the actual crossing for about 20 feet to allow creation of an effective buffer and riffle. Initial sediment disturbance will be minimal, little more than normally occurs during vehicle crossings. Sediment screens will be placed downstream, to reduce downstream effects. This method has been used on other crossings in Arizona with very good success. The Greenlee County Roads Manager and Forest Service Hydrologist will assess what materials are needed and draw a schematic diagram for work our work plan. We will monitor the project, and add an education and outreach plan that will educate the community and our policy makers on the project.

We have been able to secure match funding for the project from the USFS, USFW Partners for Fish and Wildlife, Greenlee County, and a local landowner.

The project will be effective in speeding recovery of Eagle Creek, reducing downstream sedimentation and turbidity, and protecting and enhancing habitat for federally listed species.