

**Ecological Restoration:  
Materials Guide for the Hopi Tribe**

December 2017

Seibert Ecological Restoration LLC

The following information orients researchers to the titles and purposes of materials submitted to Osborn and Maledon in December 2017, for work under contract between Seibert Ecological Restoration LLC and The Hopi Tribe (Consulting Agreement #17-054; PO #170002408).

**Document Title:**

**A Multi-Use Cost-Benefit Appraisal of the San Pedro River and its Greater Watershed  
(Unpublished working draft, December 2017)**

**Purpose in Hopi Contexts:**

The bi-national San Pedro River is often described as one of the most researched rivers in history. This is due to its rarity, the myriad interests that coalesce within and beyond the river system proper, and to the varied and increasing demands on its resources. Today these include a growing city, the needs and concerns of two nations, long-standing ranching, recreation, and environmental variables, and a major U.S. Department of Defense installation recently designated as one of five critical “sentinel landscapes” in need of protection and restoration work. Borderlands Restoration L3C and Seibert Ecological were key partners in the latter designation and to future coordination of needs and potential outcomes in the region.

**Document Title:**

**Sky Island Restoration Cooperative’s (SIRC) 2016 Annual Report**

**Purpose in Hopi Contexts:**

The SIRC group, initiated by Seibert and Sky Island Alliance in southern Arizona, originated in 2014 in direct response to the on-the-ground perception of an increased need among restoration practitioners, land managers and owners, and public and private organizations to share resources in more efficient and effective ways. The collection documents successful, ongoing strategies for effective work on shared multi-jurisdiction landscapes in increasingly complex and changing political and ecological environments.

**Supplemental Hopi Restoration References**

**Purpose in Hopi Contexts:**

These sources complement other, more extensive resources cited in submitted documents, and may provide more efficient access to immediately relevant material.

## Supplemental Hopi Restoration Resources

Restoration farming practices primer/overview:

YouTube: <https://www.youtube.com/watch?v=irTg1f9ic38>

Website: <http://www.ucsusa.org/food-agriculture/advance-sustainable-agriculture/turning-soils-sponges#.WYyTE4TyttY>

Report: <http://www.ucsusa.org/sites/default/files/attach/2017/08/turning-soils-into-sponges-full-report-august-2017.pdf>

*Let the Water Do the Work*, Zeedyk and Clothier.

A Good Road Lies Easy on the Land: Water Harvesting from Low-Standard Rural Roads - [http://quiviracoalition.org/images/pdfs/1888-A\\_Good\\_Road\\_Lies\\_Easy\\_on\\_the\\_Land.pdf](http://quiviracoalition.org/images/pdfs/1888-A_Good_Road_Lies_Easy_on_the_Land.pdf).

An Introduction to Erosion Control - [http://quiviracoalition.org/images/pdfs/1902-An\\_Introduction\\_to\\_Erosion\\_Control.pdf](http://quiviracoalition.org/images/pdfs/1902-An_Introduction_to_Erosion_Control.pdf).

An Introduction to Induced Meandering:

A Method for Restoring Stability to Incised Stream Channels -

[http://quiviracoalition.org/images/pdfs/1905-An\\_Introduction\\_to\\_Induced\\_Meandering.pdf](http://quiviracoalition.org/images/pdfs/1905-An_Introduction_to_Induced_Meandering.pdf).

ADEQ's STREAMBANK STABILIZATION MANAGEMENT MEASURES

guide [http://watershedbmps.com/wp-](http://watershedbmps.com/wp-content/uploads/2012/03/00823_to_00847_StreambankStabilizationManagementMeasures.pdf)

[content/uploads/2012/03/00823\\_to\\_00847\\_StreambankStabilizationManagementMeasures.pdf](http://watershedbmps.com/wp-content/uploads/2012/03/00823_to_00847_StreambankStabilizationManagementMeasures.pdf)

Conservation Modeling Guide for SWAT and APEX programs:

<http://swat.tamu.edu/media/57882/conservation-practice-modeling-guide.pdf>

NRCS CONSERVATION PRACTICE STANDARD GRADE STABILIZATION STRUCTURE guide (No.)  
CODE 410 - [http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/nrcs143\\_026162.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs143_026162.pdf).