

# Zuni Mountain Collaborative Forest Landscape Restoration



Funded by the Collaborative Forest Landscape Restoration Program (CFLRP) of the USDA Forest Service

## Zuni Mountain Landscape Water Quality Monitoring Sub-Group

March 22<sup>nd</sup>, 2016

9:30-11:30

Albuquerque, NM

### Meeting Purpose

- Conduct a gap analysis to identify where current monitoring efforts can be used by the CFLR to avoid duplicated efforts and responsibly use project funding.
- What are we monitoring and why?

#### I. Introductions

#### II. 2013 gap assessment overview

#### III. Data review

- a. Fine sediment
- b. Solinst
- c. Weather station

#### IV. Data coordination needs and pending gaps

- a. Solinst data analysis
- b. Water chemistry analysis
- c. ZBS population counts
- d. Continuous spring monitoring
- e. MOAs for data sharing
- f. Snowpack
- g. Groundwater (HOBO gauges status on TNC and Zuni Pueblo land status?)
- h. Biological (algae) monitoring
- i. Riparian habitat

#### V. Sediment monitoring protocol overview

- a. From the 2013 Gap Assessment, “Sedimentation is an important issue since the fish (ZBS) requires a gravelly substrate for its habitat. The short-term sedimentation concern would apply to all areas of habitat with proposed Forest Service treatments in surrounding uplands.”

<b>Site</b>	<b>Monitoring protocols</b>	<b>Notes</b>
North Stem Tampico Draw Above Confluence	Continuous level, temperature, electrical conductivity, W-V basket (3). Site visit monitoring of pH, turbidity, dissolved oxygen, electrical conductivity.	ZBS habitat
Tampico Draw below confluence	Continuous level, temperature, electrical conductivity, W-V basket (3). Site visit monitoring of pH, turbidity, dissolved oxygen, electrical conductivity.	ZBS habitat
Rio Nutria above confluence	Site visit monitoring of pH, turbidity, dissolved oxygen, electrical conductivity.	ZBS habitat (potentially). Pool is dry more often than not.
Agua Remora Upper pool	W-V basket (3). Site visit monitoring of pH, turbidity, dissolved oxygen, electrical conductivity.	
Agua Remora Middle pool	Continuous level, temperature, electrical conductivity, W-V basket (3). Site visit monitoring of pH, turbidity, dissolved oxygen, electrical conductivity.	ZBS habitat. Guild Solinst installed fall 2015.
Agua Remora Lower pool	Continuous level, temperature, electrical conductivity, W-V basket (3). Site visit monitoring of pH, turbidity, dissolved oxygen, electrical conductivity.	ZBS habitat
Cottonwood Gulch Sawyer creek	Continuous level, temperature. Site visit monitoring of pH, turbidity, dissolved oxygen, electrical conductivity.	
Bluewater Creek	Continuous level, temperature, electrical conductivity, Site visit monitoring of pH, turbidity, dissolved oxygen, electrical conductivity.	
McGaffey Lake area	RAWS weather station: rainfall (and SWE), temperature, wind speed and direction, fuel moisture, pressure.	