

# Southern Paiute Vegetation and Cultural Resource Monitoring Program



Charley Bulletts  
Southern Paiute Consortium

# Monitoring Program

- History
- Process
- Schedule

Site	2014	2015	2016	2017
South Canyon	beach, archaeology	beach, cultural*	beach, archaeology	beach, cultural
Nankoweap	archaeology	plants, cultural	archaeology	plants, cultural
Lava/Chuar	archaeology		archaeology	
Tanner	archaeology		archaeology	
Bedrock		plants, cultural		
Deer Creek	beach, archaeology, plants	beach, archaeology, plants	beach, archaeology, plants	beach, archaeology, plants
Kanab Creek	beach, archaeology	beach, archaeology	beach, archaeology	beach, archaeology, plants
Vulcan's Anvil	cultural	plants, cultural	cultural	cultural
Whitmore	beach, archaeology	beach, archaeology	beach, archaeology	beach, archaeology
Pre-Parashant				archaeology, plants
Ompi	cultural	Cultural	cultural	cultural
Spring Canyon	archaeology, plants	plants, cultural	archaeology, plants	plants, cultural
Indian Canyon	archaeology	Cultural	archaeology	cultural
Pumpkin Spring	spring, cultural	spring, cultural	spring, cultural	spring, cultural
Ledges	archaeology, spring		archaeology, spring	
Granite Park	cultural	Cultural	cultural	cultural

# Beach at South Canyon



2011

2012

2013

2014

Photos from four consecutive monitoring trips show an increase in sediment as well as vegetation change and the effects of the tamarisk beetle.

# Tamarisk at South Canyon



South Canyon: comparison of sediment on floor of creek,  
and tamarisk affected by tamarisk beetle.  
2010 (left) to 2012 (right)

# Beach at Kanab Creek



2012



2013

Photos from 2012 and 2013 show an increase in sediment.

# Plant Monitoring

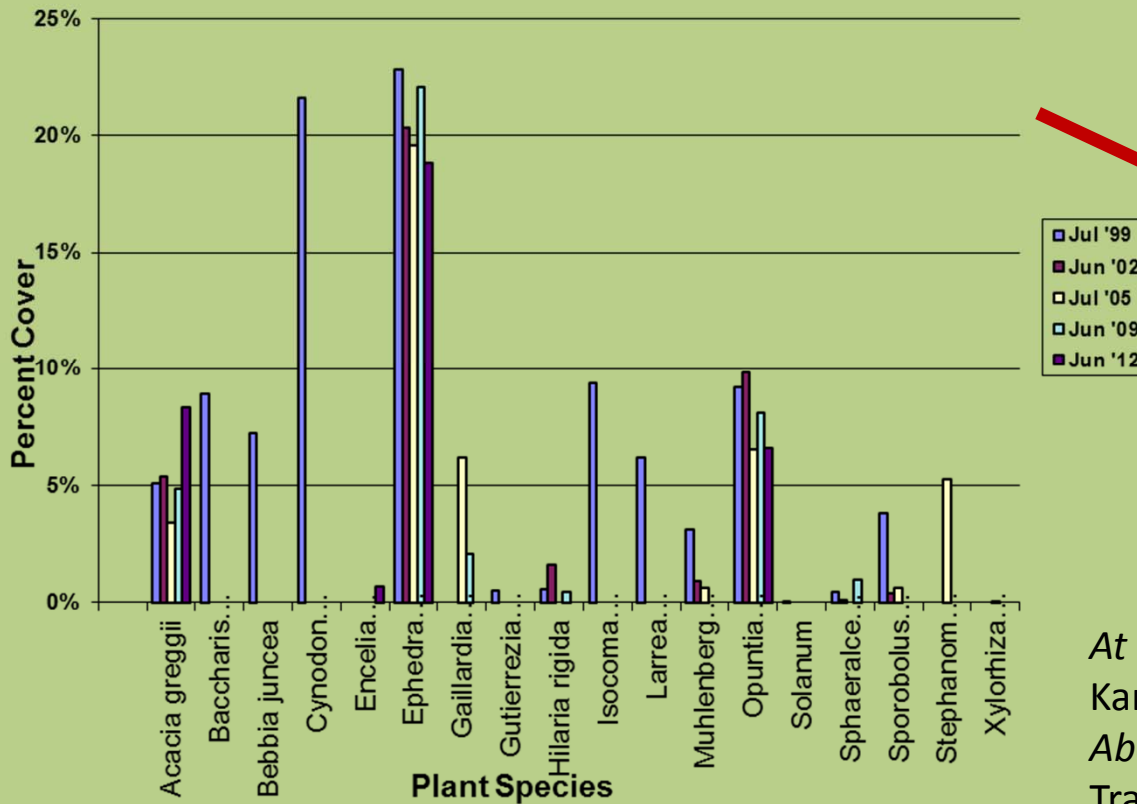


Deer Creek agave, 2014



Nankoweap transect line 2, 2013

Percent Cover by Species - Kanab Creek



At left: Percent cover by species along Kanab Creek Transect 1  
 Above: Lower portion of Kanab Creek, Transect 1, with desiccated Prickly Pear.