

## Memorandum

**To:** File  
**CC:**  
**From:** DeAnne Rietz, SWCA  
**Date:** October 11, 2012  
**Re:** Reconciling springs and stock tanks inventory to Forest Service grazing allotment maps

The purpose of this memo is to document that all springs and stock tanks shown on Forest Service (FS) grazing allotment maps are represented in the springs and stock tanks inventory used for the Rosemont Copper EIS. This cross check for springs was done only within the spring's analysis area (i.e. 5-foot drawdown contour) and only within the stock tank analysis area (directly downstream) for stock tanks.

On August 6, 2010 the FS forwarded 6 range allotment maps (Thurber, Debaud, Greaterville, Helvetia, Rosemont, and Stone Spring) for consideration in the EIS analysis. These maps show 'improvements' that have been made on each allotment such as springs, stock tanks, fences, and wells. The springs and stock tanks inventory used in the Rosemont EIS were reconciled against the maps to confirm all springs and stock tanks were captured. All springs and tanks noted on the maps were in the inventory. It was found however, that slight adjustments on the location of several of the features had to be made. There were also some discrepancies in the names of the features. Below is a list of the names of the feature on the allotment maps and the corresponding name in the EIS inventory.

Grazing Allotment	Feature name as it appears on Allotment Map	Feature name as it appears in the EIS
Thurber	No discrepancies	
Debaud	Lower Mulberry Spring	Papago Spring #2
Debaud	(no spring depicted in lower Mulberry Canyon)	Lower Mulberry Spring
Debaud	Water Develop 1	Cuerco Spring 2
Greaterville	Box Canyon Water	Unnamed Spring in south Sycamore Canyon (EIS has 2 Box Springs in the Deering Sp South Allotment [that allotment map not available for review])
Helvetia	Ruelas Spring	Unnamed Spring No. 13
Helvetia	Ruelas Spring 2-3	Ruelas Spring
Helvetia	Feliz Spring	Pdigro Audit
Helvetia	(nothing depicted 1.5 miles SW of EIS Feliz Spring)	Feliz Spring
Helvetia	(nothing depicted, this is section)	Ruelas Spring 2-3
Rosemont	Tub Spring	McCleary No. 2 (Same as Unnamed #6) (EIS has a Tub

Grazing Allotment	Feature name as it appears on Allotment Map	Feature name as it appears in the EIS
		Spring in Stone Sp Allotment)
Rosemont	Pig Spring	McCleary No. 1
Rosemont	North Dam	McCleary Dam
Rosemont	Hole Seep	Locust/Hole Seep Spring
Rosemont	Lower Vespa Spring	Rosemont Spring
Stone Spring	Mud Spring	Big Spring
Stone Spring	Lazy Boy Spring	Mud Hole Spring
Stone Spring	Casita Spring	Mesquite Flat Spring (we have a spring called SS-2 (Casita Spring) that is located in T18NR15E Sec 13 approx 1.3 mi SW)
Stone Spring	Spring	Siphon Spring
Stone Spring	Cottonwood Spring	Heiter Spring
Stone Spring	Stone Spring	Sycamore Spring
Stone Spring	Batamouta Spring	Batamout Spring