



Antoinette Klimek/AZSO/AZ/BLM/DOI
10/21/2010 02:45 PM

To
cc
bcc
Subject Fw: Two missing items for SP Boundary FOIA

----- Forwarded by Jim Renthal/AZSO/AZ/BLM/DOI on 09/30/2010 11:55 AM -----



Jackson Johnson/AZSO/AZ/BLM/DOI
05/03/2010 10:18 AM

To Jim Renthal/AZSO/AZ/BLM/DOI@BLM
cc
Subject Fw: BLM SPRNCA SUMMARY REPORT

Jim,

Forgot to cc you.

Jackson C. Johnson
BLM - Arizona State Office
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----- Forwarded by Jackson Johnson/AZSO/AZ/BLM/DOI on 05/03/2010 10:17 AM -----



Jackson Johnson/AZSO/AZ/BLM/DOI
05/03/2010 10:17 AM

To dakeadle@azwater.gov
cc
Subject BLM SPRNCA SUMMARY REPORT

Hi Dave,

Here's what I've got so far.



BLM SPRNCA SUMMARY REPORT.docx

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BLM SPRNCA SUMMARY REPORT

1. Background Information

- The original SPRNCA legal description is dated November 14, 1989
- Cadastral surveys of the areas in attached Figures 2 and 3 of the SPRNCA boundary by the BLM were approved on November 22, 1995.
- The updated legal description contains three differences from the original legal description based on a) cadastral survey, b) review of original legal description, or c) review of deeds.
- To improve accuracy, an improved Public Land Survey System (PLSS) known as the Geographic Coordinate Database (GCDB) was used to create the boundary in digital format.

2. Differences between original legal description and current GIS shapefile and why they were modified.

- In T18S, R21E, Section 31: The original description included “Thence west to the northwest corner of said land grant”. This was not possible given the location of the previous point, which is described as “Thence south along the section line to the boundary of the San Juan De Las Boquillas Y Nogales land grant” To make the description logical, the phrase “Thence west to the northwest corner of said land grant” was deleted. See attached Figure 1.
- In T18S, R21E, Section 33, NW¼: The original description was modified with several bearing and distance descriptions based on the cadastral survey of the boundary in this northwest quarter of this section. It was decided by cadastral survey to use existing local monuments as the best attainable evidence to determine the correct boundary. See attached Figure 2.
- In T18S, R21E, Sections 17 and 20: The original description describes the line as being coincident with the section line between sections 17 and 20. However, in a recorded deed dated March 7, 1986, a parcel described as “EXCEPT the north 30 ft. of the NW ¼, (County Road)” was excluded from conveyance to the federal government. Therefore, this 30 ft. strip was excluded from the boundary.

3. Do the above differences affect the total number of acres within the SPRNCA?

- Yes, they resulted in minor changes in the shape and size of the SPRNCA. The change shown in Figure 2 resulted in an increase of approximately ± 5 acres, while the change shown in Figure 3 resulted in a decrease of approximately ± 1.8 acres.
- The most accurate determination of total number of acres within the SPRNCA boundary is the current GIS shapefile. Improved accuracy was achieved by aligning the boundary with the updated PLSS, represented by the GCDB.

4. New legal description.

