

**ARIZONA GAME AND FISH DEPARTMENT
HABITAT PARTNERSHIP PROGRAM
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

PROJECT INFORMATION

Project Title: Government Peak Slick Rock Catchment #856 **Project No. 15-504**

Region/GMU: 5/30A **HPC:**

Project Type: Water development (repair)

Project Description: This water catchment located in the Dos Cabeza Mountains needs to be repaired in order to be functional. Currently the catchment is nonfunctional and provides no water relief to wildlife during the dry season. The only other functional catchment in the Dos Cabezas Mountains is also in need of repair and currently functions at approximately 30% capacity. There is no perennial water source in this area.

The existing storage tank and drinker will be replaced as well as the check dam using a color additive to match surrounding rock. The existing pipe will be replaced with 3" groove lock galvanized steel pipe. All work will be done in the existing footprint. The catchment will be designed on a gravity fed system as opposed to a float system to reduce maintenance costs. Existing fencing will be maintained to minimize NEPA requirements. The project is designed to minimize maintenance and maximize water storage to reduce time spent on maintaining the catchment and hauling water due to the catchments remote location and difficulty reaching it.

During the 08-09 HPC cycle, two catchments were submitted for repair. In the 09-10 cycle, a third catchment was evaluated for redevelopment. Redeveloping/repairing all three catchments will ensure long term water availability to wildlife in the Dos Cabezas Mountain Range; thereby improving wildlife habitat and populations throughout the range.

Wildlife Species to Benefit: Mule deer, whitetail deer, javelina

Possible Funding Partners: BLM (NEPA/Archeological Surveys \$5,400), SE Sportsman's Club labor (\$1414 Equivalent), AGFD Development Branch Wildlife Conservation Funds (\$10,000)

Implementation Schedule:

Beginning: Fall 2015

Completed: Fall 2016

NEPA Compliance: (if applicable) CX

Completed: Yes ___ No X

Projected Completion Date: October 2016

PROJECT FUNDING

SBG Funds Requested: \$ 52,311

Cost Share Funds: \$ 16,814

Total Project Costs: \$ 69,125

PARTICIPANT INFORMATION

**Applicant: Gilbert Gonzales
Telephone: 520-591-1672**

**Address: 555 N. Greasewood Rd.
Tucson, AZ 85745**

AGFD Contact and Phone No. (If applicant is not AGFD personnel)	
Coordinated with: Joe Currie	Date: June 17, 2008-June 2015
Applicant's signature:	Date:

SEND COMPLETED APPLICATIONS TO:
Game Branch
5000 West Carfree Highway
Phoenix, AZ

WAS PROJECT PRESENTED TO THE LOCAL HPC? YES X NO

HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED?
Yes/Yes

NEED STATEMENT/PROBLEM ANALYSIS: Currently, the Government Peak/Slide Rock Wildlife water catchment #856 is not functional and needs to be redeveloped to provide water benefits to wildlife in this area. Government Peak is located in the Dos Cabeza Mountains. There is a second water development in the Dos Cabeza Mountains (Camelback); however, this catchment is in disrepair and is operating at approximately 30% capacity. A third water development (Tar Box Spring), exists, but has been abandoned and dismantled. The remaining catchment parts will be removed from Tar Box Canyon in conjunction with this project. There is no perennial water source nearby making these water catchments vital to wildlife. This area is fairly dry and given the drought conditions this area has been experiencing for the several years, it is critical that water sources are provided to wildlife in the area. The Government Peak catchment will provide and has provided a much needed water source for deer, javelina, quail, dove, and non-game birds and mammals, etc.

The Government Peak water catchment is located in the Dos Cabeza wilderness area, necessitating a redevelopment requiring a maintenance free system to ensure long term functionality with little to no maintenance. Additionally, helicopter time will be necessary to complete this project as well as remove debris from a non-functional catchment from Tar Box Canyon.

During the 15-16- HPC cycle, Government peak catchment #856 is being re-submitted for repair/replacement. In the 16-17 cycle, it is anticipated that Camelback #858 and Dos Cabezas catchment will be evaluated and submitted for redevelopment. Redeveloping/repairing all three catchments will ensure long term water availability to wildlife in the Dos Cabezas Mountain Range; thereby benefiting wildlife populations throughout the range.

PROJECT OBJECTIVES:

- **Improve water availability for deer, javelina, quail, dove, and non-game birds and mammals etc.**

- **Improve deer fawn survival by providing much needed water.**
- **Increase current water developments storage capacity to reduce costs associated with frequent water level checks, water hauling, and maintenance.**

PROJECT STRATEGIES:

- **Replace existing ring tank with (2) 2500 gallon Polyethylene water tanks**
- **Replace existing drinker with a Polyethylene wildlife drinking trough**
- **Replace existing pipe with 3” Sch80 PVC pipe and 2 brass ball valves**
- **Replace existing check dam with a new metal apron painted to blend into surrounding landscape.**
- **Replace existing barbed wire fence with zero maintenance, wildlife friendly pipe-rail fence.**

PROJECT LOCATION: Dos Cabeza Mountains

GPS coordinates: N. 32 degrees 13.094’, W. 109 degrees 30.516’

LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner’s name): BLM Wilderness Area

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT? N/A

HABITAT DESCRIPTION: Upper Sonoran desert (mesquite, acacia, prickly pear)

ITEMIZED USE OF FUNDS:

- **(2) 2,500 gallon Polyethylene tanks- \$6,972.00**
- **Polyethylene Drinker- \$4,690.00**
- **3” Sch80 PVC pipe and 2 brass ball valves- \$1,500.00**
- **New 24’X72’ metal framed, R-panel apron (weather protection of tanks)- \$6,113.00**
- **Replacement of barbed wire fence with 150’X150’ Piperail perimeter fence- \$2,086.00**
- **(17) Rubber mats for tank and trough support- \$950.00**
- **Helicopter Time (Ferry equipment and personnel into and out of wilderness area)-\$30,000**
- **BLM to complete NEPA (At this time it appears BLM will be able to complete a Categorical Exclusion)- \$2,400—*Listed below in Cooperators***
- **Archeological survey (if needed and if contracted out by agency other than BLM)- \$3,000—*Listed below in Cooperators***

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Arizona Game and Fish Department Development Branch has committed to providing \$10,000.

BLM will complete the NEPA documentation and archeological surveys if needed (\$5,400).

The Southeastern Arizona Sportsman's Club has tentatively committed to providing ten individuals for one ten hour work day to assist in the construction of this catchment. Actual participation, number of participants and days participated may vary based on the project schedule and the schedule of volunteers (100 man hours X \$14.14 per hour= \$1,414).

The district wildlife manager and other sector personnel will be on site to assist with labor as available.

PROJECT MONITORING PLAN: The development branch would be responsible for ensuring that the catchment was in working order after the completion of the project. The wildlife manager for GMU 30A would be responsible for monitoring the catchment to ensure that it is retaining water and does not go dry.

PROJECT MAINTENANCE: If needed, the development branch at Arizona Game and Fish would provide maintenance for this water catchment.

PROJECT COMPLETION REPORT TO BE FILED BY:

Gilbert Gonzales, Arizona Game and Fish Department

WATER DEVELOPMENT PROJECTS (see attached worksheet):

TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (see attached worksheet):

ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET

PROJECT NAME: Camelback Water Catchment

1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?” Yes**

2) **Please list the Development Branch personnel and date coordinated with for this project.
Joe Currie 623-236-7867 Coordinated on June 17, 2008**

3) **What is the estimated annual inches of precipitation for the area? (mark one)**
 2-4 4-6 6-8 8-10 10-12 12-14 14-16 >16

4) **Is there a perennial water source available to big game within four miles of this project?**
 YES (please complete #5 below) NO (skip #5 below)

5) **For the accessible, perennial water source nearest this project:**

Name of water source:

Type of water source (catchment, spring, dirt tank, etc.):

Ownership of water source:

Distance in miles from project:

6) **Is the target wildlife species a result of transplant efforts?** YES NO

7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument, etc). If private land, list landowner.**

This project is located in a Wilderness Area in very steep, rugged terrain, which will require the use of a helicopter to transport material and staff to the project site to complete the project.

It is estimated that it will take approximately 14 helicopter flights into the Wilderness to fly in equipment and 20 flights to fly staff and volunteers into and out of the project area on a daily basis. This is slightly more flights than would be required if staff and volunteers camped in the wilderness area due to necessitating additional flights for staff/volunteer camping equipment, food etc. Additionally, many volunteers will not be on the project for the entire duration requiring additional flights for short-term volunteers. Therefore, staff and volunteers will camp at the based of the mountain, outside of the wilderness area to reduce human impacts in the wilderness area (i.e. human waste, garbage, vegetation clearing for camp sites etc.). The helipad in the wilderness area where the helicopter will be landing consists of solid rock and there will be minimal habitat damage.

8) **Please provide the following information about access to the proposed site:**

Type of access (mark one): ___ 2x4 vehicles ___ 4x4 only ___X_ foot, horseback, or helicopter only**

**If foot access only: Distance in miles: 2.5 miles Approx. hiking time: 2 hours

-- Does access to this site require crossing private or tribal lands? ___ YES X NO

-- Please describe any restrictions to public access: Catchment is located in wilderness area in steep rugged terrain. The public can access; however, individuals with mobility or fitness limitations may find it difficult.

9) Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.

Refer to itemized use of funds list

10) Was a site visit completed? X Yes ___No If Yes, please list personnel that attended and date.

Joe Currie 6/11/07

ARIZONA GAME AND FISH DEPARTMENT
TREE SHEARING WORKSHEET

PROJECT NAME: Government Peak catchement #856

- 1) **What is the estimated acreage of the project?**
N/A
- 2) **How are the trees going to be cleared? (agra axe, chain saw, push):**
N/A
- 3) **What is the estimated number of trees per acre?**
N/A
- 4) **Describe trees to be cleared (species, estimated diameter, single stem, multi-stem):**

N/A
- 5) **Describe terrain (slope, soil type, rocks, etc.)**
N/A
- 6) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument, etc). If private land, list landowner. Catchment is in a Wilderness Area**

7) **Please provide the following information about access to the proposed site:**

Type of access (mark one): 2x4 vehicles 4x4 only foot only**

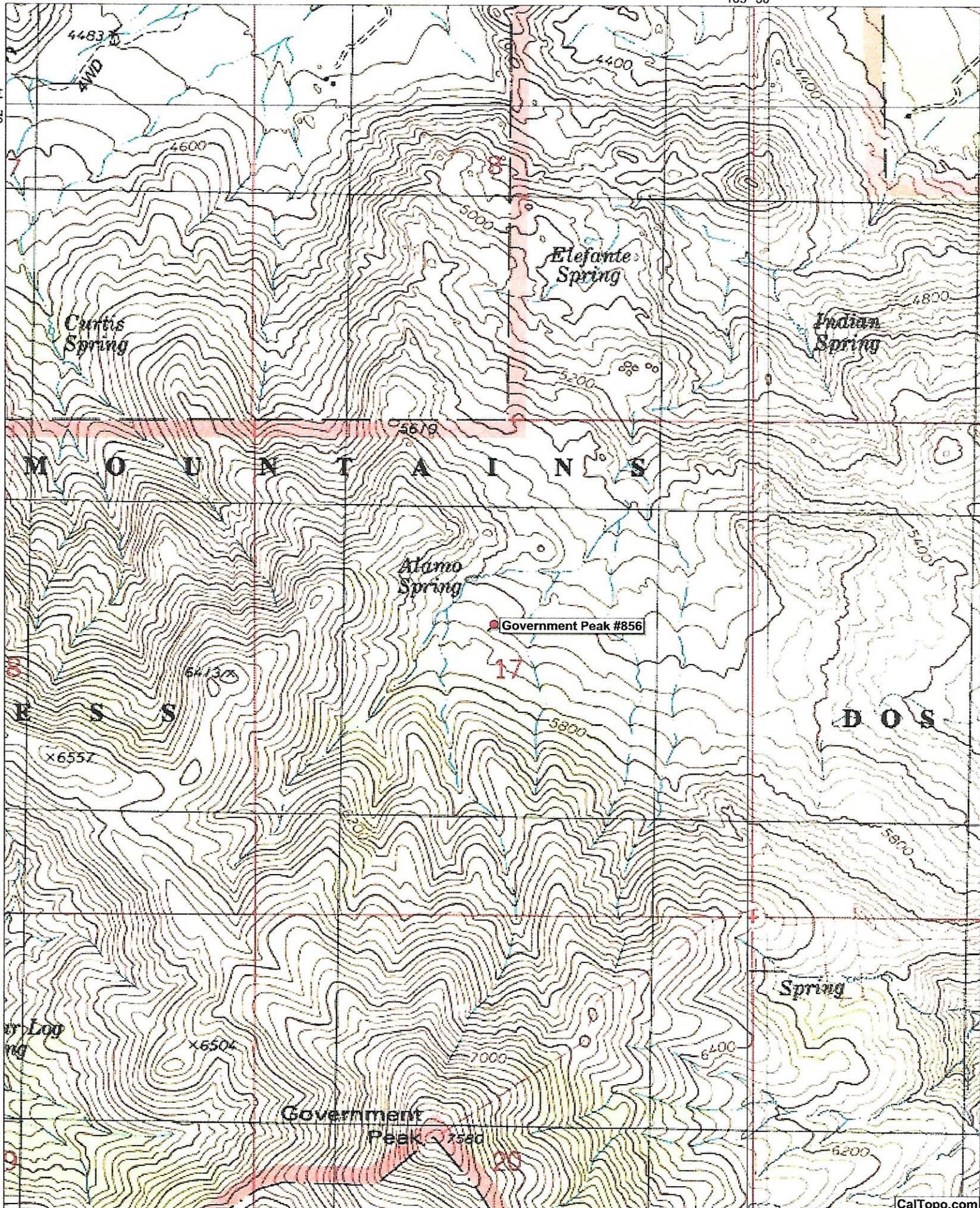
**If foot access only: Distance in miles: 2 mile Approx. hiking time: 1.5 hours

Does access to this site require crossing private or tribal lands? YES NO

Is the site relatively accessible for tree shearing equipment? YES NO

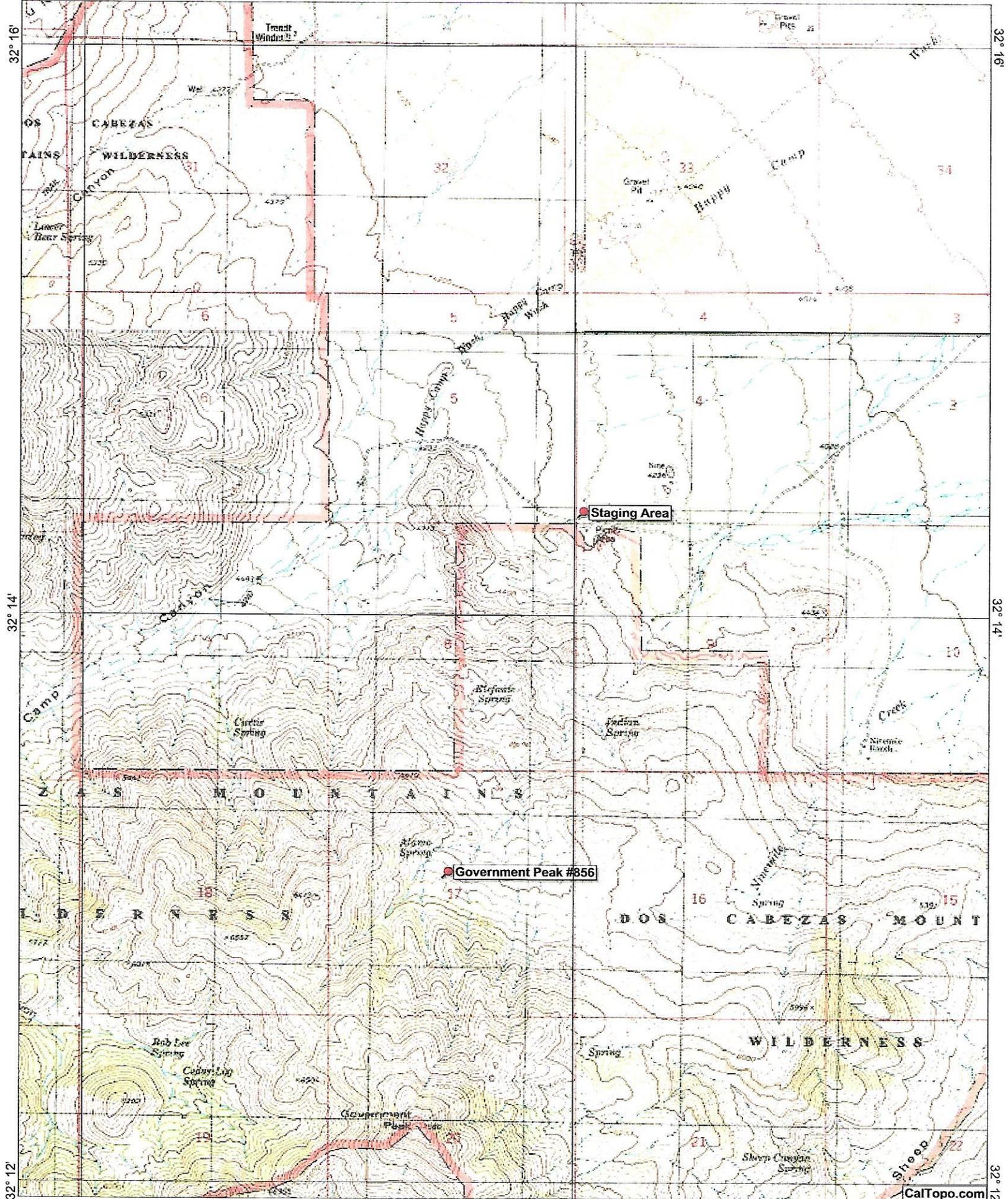
Please describe any restrictions to public access:

Government Peak Slick Rock catchment #856 is located in a Wilderness area of the Dos Cabezas mountains



109° 32'

109° 30'



32° 12'

32° 12'

CalTopo.com

0.25 mi

109° 32'

109° 30'

109° 28'

109° 26'

32° 20'

32° 20'

32° 18'

32° 18'

32° 16'

32° 16'

32° 14'

32° 14'

BOWIE, ARIZONA

STAGING AREA

GOVERNMENT PEAK #856

CalTopo.com

0.5 mi

