

**Lands with Wilderness Characteristics
Inventory Report**

**SAN PEDRO RIPARIAN
NATIONAL CONSERVATION AREA**

May 2016



San Pedro Riparian National Conservation Area Lands with Wilderness Characteristics Inventory

*Prepared by the USDI Department of the Interior
Bureau of Land Management, Tucson Field Office*

May 2016



The BLM manages more than 245 million acres of public land, the most of any Federal agency. This land, known as the National System of Public Lands, is primarily located in 12 Western states, including Alaska. The BLM also administers 700 million acres of sub-surface mineral estate throughout the nation. The BLM's mission is to manage and conserve the public lands for the use and enjoyment of present and future generations under our mandate of multiple-use and sustained yield.

SAN PEDRO RIPARIAN NATIONAL CONSERVATION AREA WILDERNESS CHARACTERISTICS INVENTORY

I. INTRODUCTION

An inventory of wilderness characteristics was completed for the San Pedro River Riparian National Conservation Area (SPRNCA) in accordance with current Bureau of Land Management (BLM) guidance¹ to identify current resource values for consideration in the SPRNCA Resource Management Plan (RMP). This report includes the inventory area evaluation, the route analysis, inventory maps, photographs, and supporting documentation.

The inventory area includes public lands administered by the BLM within the SPRNCA, totalling approximately 56,000 acres, and adjacent BLM lands outside that form contiguous blocks of federal land. The inventory area is shown on Map 1- SPRNCA Wilderness Characteristics Units.

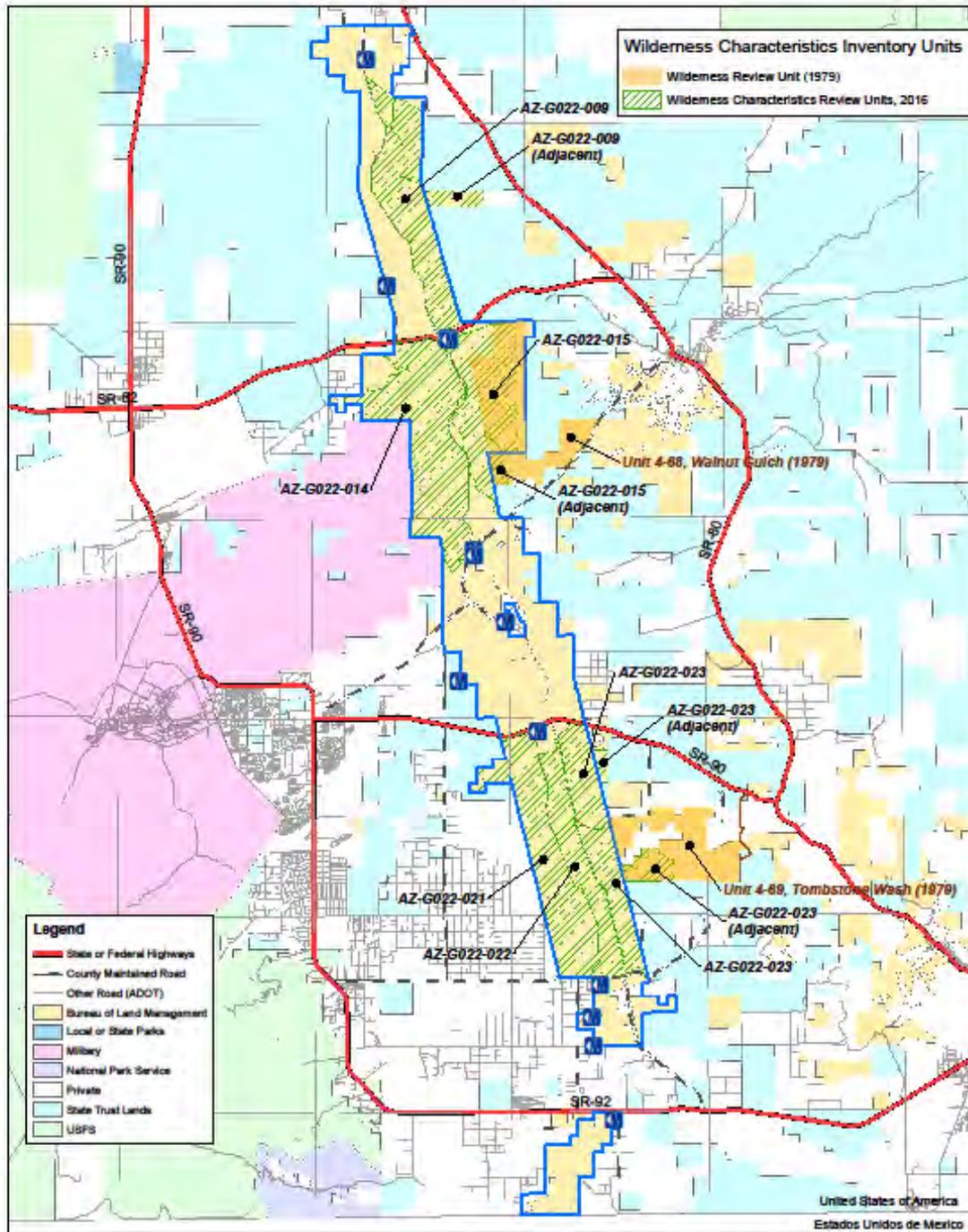
The legislation that established the SPRNCA, Public Law (P.L.) 100-696,² directs the Secretary of Interior to “manage the conservation area in a manner that conserves, protects, and enhances the riparian area and the aquatic, wildlife, archeological, paleontological, scientific, cultural, educational and recreational resources of the conservation area”. The legislation provides that where not inconsistent P.L. 100-696, management of the SPRNCA will be guided “by the provisions of the Federal Land Policy and Management Act of 1976” (FLPMA). The establishing legislation does not specifically identify wilderness characteristics as one of the resources of the conservation area, but current BLM resource inventory and planning guidance consistent with the FLPMA provides authority for considering those resource values in the RMP amendment.

An internal BLM inventory of five areas was prepared for the SPRNCA, which identified the areas evaluated in this report: AZ-G022-009, Cereus; AZ-G022-014, Oxbow; AZ-G022-015, Coati Wash; AZ-G022-021, Kestrel; and AZ-G022-022, Jaguar.

A citizen’s inventory of six areas in the SPRNCA was received in February 24, 2016, which identified the same areas in the internal BLM report, and an additional unit called ‘Southeast Unit’. All six areas are evaluated in this inventory, including the ‘Southeast Unit’, which corresponds with unit AZ-G022-023, Banning Creek in this report.

¹ BLM Manual 6310, Released 6-129 March 15, 2012.

² Arizona-Idaho Conservation Act of 1988, P.L. 100-696, 100th Congress, November 18, 1988



**Map 1. San Pedro Riparian National Conservation Area
Wilderness Characteristics Inventory Units.**

II. INVENTORY AREA EVALUATION

A. Evaluation of Current Conditions:

1. Existing BLM wilderness inventory records and resource management plans were reviewed to identify any findings on file regarding the presence or absence of individual wilderness characteristics: roadlessness, size, naturalness, and opportunities for solitude, and for primitive and unconfined recreation.

a. Statewide Arizona 1979 Initial Wilderness Review³(Initial Review): This review identified a road less area over 5,000 acres on BLM land that is partly within the SPRNCA (Unit 4-68, Walnut Gulch 5,098 acres)⁴, and another road less area over 5,000 acres on lands adjacent to the SPRNCA (Unit 4-69, Tombstone Wash 5,546 acres). The two initial inventory units are also shown on Map 1

The Walnut Gulch Unit (4-68) is bounded by the boundary between BLM and non BLM land (State Trust and private land), and the San Juan de Las Boquillas y Nogales Grant, which was private property at the time of the 1979 Initial Review. The land grant was later conveyed to the United States under a 1986 land exchange project⁵ expanding the land base adjacent to the Walnut Gulch Unit. More accurate area calculations using GIS data to define this Unit's boundary indicates the area includes 5,168 acres of public land administered by the BLM. This unit was found to lack wilderness characteristics due to impacts of human imprints on naturalness, and was dropped from further review in 1979.

The Tombstone Wash Unit (4-69) was dropped from further review due to the presence of a road which reduced the road less area to less than 5,000 acres. The land area in this Unit was enlarged by the reconveyance of the San Rafael del Valle Land Grant in 1986, now part of the SPRNCA.

b. San Pedro River *Riparian Management Plan*⁶: The potential for wilderness was considered but not analyzed during preparation of the *Riparian Management Plan*, completed in 1989. Two road less areas greater than 5,000 acres were identified in the SPRNCA, the Boquillas Unit, and West del Valle Unit, but they were found to lack some of the wilderness characteristics. No detailed documentation of the inventory for these two Units was found.

The Boquillas Unit, in the west central portion of the SPRNCA (between Charleston Road and State Road (SR) 82 on the west side of the San Pedro River) was found to lack naturalness due to the presence of "boundary and interior roads and ways, railroad tracks, powerlines, old railroad grades and bridge abutments, ruins of a farming settlement and its fields, ruins of the town of Charleston,

³ Wilderness Review, Arizona, Initial Inventory of Public Lands Administered by the Bureau of Land Management, Decision Report, September 1979.

⁴ Wilderness Review, Arizona, Initial Inventory of Public Lands Administered by the Bureau of Land Management, Decision Report, September 1979.

⁵ BLM Case Number A-21410, March 6, 1986.

⁶ San Pedro River Riparian Management Plan and Environmental Impact Statement, Final, June 1989, Page 4.

and livestock facilities”. This unit was also found to lack outstanding opportunities for solitude and primitive recreation because of “boundary roads and vehicles on them, an extensive network of interior roads and ways, the railroad line, and other evidence of human activities”.

The West del Valle Unit (between SR 90 and Hereford Road on the west side of the river) was found to be ‘mostly natural in appearance, has few visible human impacts, and meets the criterion for naturalness’. However, this Unit was found to lack outstanding opportunities for solitude and primitive recreation due to “boundary roads and vehicles on them, the long and thin alignment of the unit, the lack of topographic relief, and the lack of vegetative screening”.

c. Safford Resource Management Plan (RMP): Wilderness was also not an issue during preparation of the Safford RMP, completed in 1992, and therefore wilderness characteristics were not addressed in detail.

2. Information Sources:

In addition to the Arizona initial and intensive wilderness review reports and maps, and the current RMP information used in this evaluation included:

- Current land ownership: Lands were acquired from private ownership in 1986 and later years, expanding the public land base in the NCA, including land adjacent to Unit 4-68 and Unit 4-69.
- Current Master Title Plats: Shows authorized activities, and past authorizations, land acquisitions and disposals.
- Physical access route inventory: A comprehensive physical access route inventory was completed for the SPRNCA and adjacent lands in 2013-2014. This route inventory identified the existing routes that provide access to and within the SPRNCA for administrative purposes, for authorization holders, and for public recreational use. The inventory identified the motorized access routes, and the non-motorized access routes that are part of the SPRNCA transportation system⁷.
- High resolution aerial imagery from January 2015: Shows surface and vegetation disturbances.
- Historical aerial imagery from 1992 to present⁸. Shows surface and vegetation disturbances.

⁷ San Pedro Intermodal Transportation System, BLM Safford District, November 1995.

⁸ Google Earth

FORM 1-

Documentation of BLM Wilderness Characteristics Inventory Findings from Previous Inventory on Record

1. Is there existing BLM wilderness characteristics inventory information on all or part of this area?

Yes

Summary information on Unit 4-68 and 4-69 is found in the Initial Review report. No detailed information (maps, resource and route descriptions, photos) from the initial review was found. Both units were dropped from further wilderness review after the initial step.

No detailed wilderness characteristics information was found from the review completed during preparation of the SPRNCA *Riparian Management Plan* in 1989, which identified the Boquillas and the West Del Valle review units (boundary maps, resource and route descriptions or photos). The only documentation of previous inventories is the discussion on issues considered but not analyzed in the San Pedro River *Riparian Management Plan* and Environmental Impact Statement (EIS).

a) Inventory Source:

Arizona Wilderness Initial Wilderness Review, and
San Pedro River *Riparian Management Plan* and EIS.

b) Inventory Area Unique Identifier(s):

Unit 4-68 Walnut Gulch (Initial Arizona Wilderness Review in 1979).
Unit 4-69 Tombstone Wash (Initial Arizona Wilderness Review in 1979).
No number- Boquillas Unit (SPRNCA RMP 1989, page 4)
No number- West del Valle Unit (SPRNCA RMP 1989, page 4)

c) Map Name(s)/Number(s):

Unit 4-68 Walnut Gulch: April 1979 Proposals for Intensive Inventory Map
Unit 4-69 Tombstone Wash: April 1979 Proposals for Intensive Inventory Map
No number- Boquillas Unit: No map found.
No number- West del Valle Unit: No map found.

d) BLM District(s)/Field Office(s):

The review units referenced above were administered by the Safford District, Safford Field Office, and the San Pedro Project Office.

2. BLM Inventory Findings on Record

Inventory findings are shown in Table 1 and 2 below.

Table 1: Inventory Source: Wilderness Review, Arizona, Initial Inventory of Public Lands Administered by the Bureau of Land Management, Decision Report, September 1979.

Area Unique Identifier	Sufficient Size? Yes/No (Acres)	Naturalness? Yes/No	Outstanding Solitude? Yes/No	Outstanding Primitive & Unconfined Recreation? Yes/No	Supplemental Values? Yes/No
4-68 Walnut Gulch	Yes	No	No	No	NA
4-69 Tombstone Wash	No	No	No	No	NA

Table 2: Inventory Source: San Pedro River *Riparian Management Plan* and EIS, June 1989, pg. 4.

Area Unique Identifier	Sufficient Size? Yes/No (Acres)	Naturalness ? Yes/No	Outstanding Solitude? Yes/No	Outstanding Primitive & Unconfined Recreation? Yes/No	Supplemental Values? Yes/No
Boquillas	Yes	No	No	No	NA
West del Valley	Yes	Yes	No	No	NA

3. Current Inventory Areas:

This evaluation describes current conditions in several areas identified in internal staff reports prepared for the SPRNCA RMP, and in the citizen's proposal submitted in February 2016 (Table 3). The presence or absence of wilderness characteristics is described for the following inventory areas, shown on Map 1.

Table 3: Current Conditions.

Unique Identifier	Reference Name	CP Acres⁹	BLM Acres¹⁰	Previous Inventory Area covering all or part of the current inventory areas
AZ-G022-009	Cereus	5,398	5,842	N/A
AZ-G022-014	Oxbow	8,450	7,769	Boquillas
AZ-G022-015	Coati Wash	5,912	5,140	4-68, Walnut Gulch
AZ-G022-021	Kestrel	5,907	5,904	West del Valle
AZ-G022-022	Jaguar	3,016	2,988	N/A
AZ-G022-023	Banning Creek	3,900	5,013	4-69, Tombstone Wash
	Total		32,656	

Current Conditions: Presence or Absence of Wilderness Characteristics

Summary BLM Current Conditions Inventory Findings:

The summary findings for the areas described in this evaluation are shown in Table 4 below. The acreages are based on the boundaries shown on Map 1. The boundary features described in the internal BLM reports and in the citizen's proposal were modified to exclude features found to affect the area's roadlessness and naturalness, and the current land status boundaries from current GIS data.

⁹ This is the acreage in the Citizen's proposal received in February 2016.

¹⁰ This is the acreage based on the inventory unit boundaries in this evaluation.

Table 4: Inventory Findings.

Unique Identifier	Sufficient Size? Yes/No (Acres)	Naturalness? Yes/No	Outstanding Solitude? Yes/No	Outstanding Primitive & Unconfined Recreation? Yes/No	Supplemental Values? Yes/No	Identified as an Area with Wilderness Characteristics ?
AZ-G022-009, Cereus	Yes, 5,842 acres (5,288 acres in SPRNCA, 554 acres adjacent)	Yes	Yes	Yes	Yes	Yes
AZ-G022-014, Oxbow	Yes, 7,768 acres in SPRNCA	Yes	Yes	Yes	Yes	Yes
AZ-G022-015, Coati Wash	Yes, 5,140 acres; (4,868 acres in SPRNCA, 272 acres adjacent)	Yes	Yes	Yes	Yes	Yes
AZ-G022-021, Kestrel	Yes, 5,904 acres	Yes	Yes	Yes	Yes	Yes
AZ-G022-022, Jaguar	No, 2,988 acres	N/A	N/A	N/A	N/A	No
AZ-G022-023, Banning Creek	Yes, 5,013 acres; (3,995 acres in SPRNCA, 1,018 acres adjacent)	No	N/A	N/A	N/A	No

FORM 2-**Current Conditions: Presence or Absence of Wilderness Characteristics**Area Unique Identifier: AZ-G022-009 - CereusAcreage: 5,842(1) Is the area of sufficient size? **Yes**

Description:

The northern boundary is approximately two miles of the El Paso Natural Gas Pipeline Right of Way (ROW) (A-22090, 10-foot total width), which includes a primitive unpaved service road. The western boundary is approximately 7.5 miles of the patented Union Pacific Railroad ROW, which includes the abandoned railroad bed. The eastern boundary is approximately 6.5 miles of the San Pedro Riparian National Conservation Area (SPRNCA) boundary and adjacent contiguous Bureau of Land Management (BLM) land. The southern boundary is approximately 1 mile of the Sulphur Springs power line ROW (A-22092, 20-foot total width) just north of Fairbank.

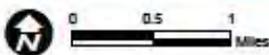
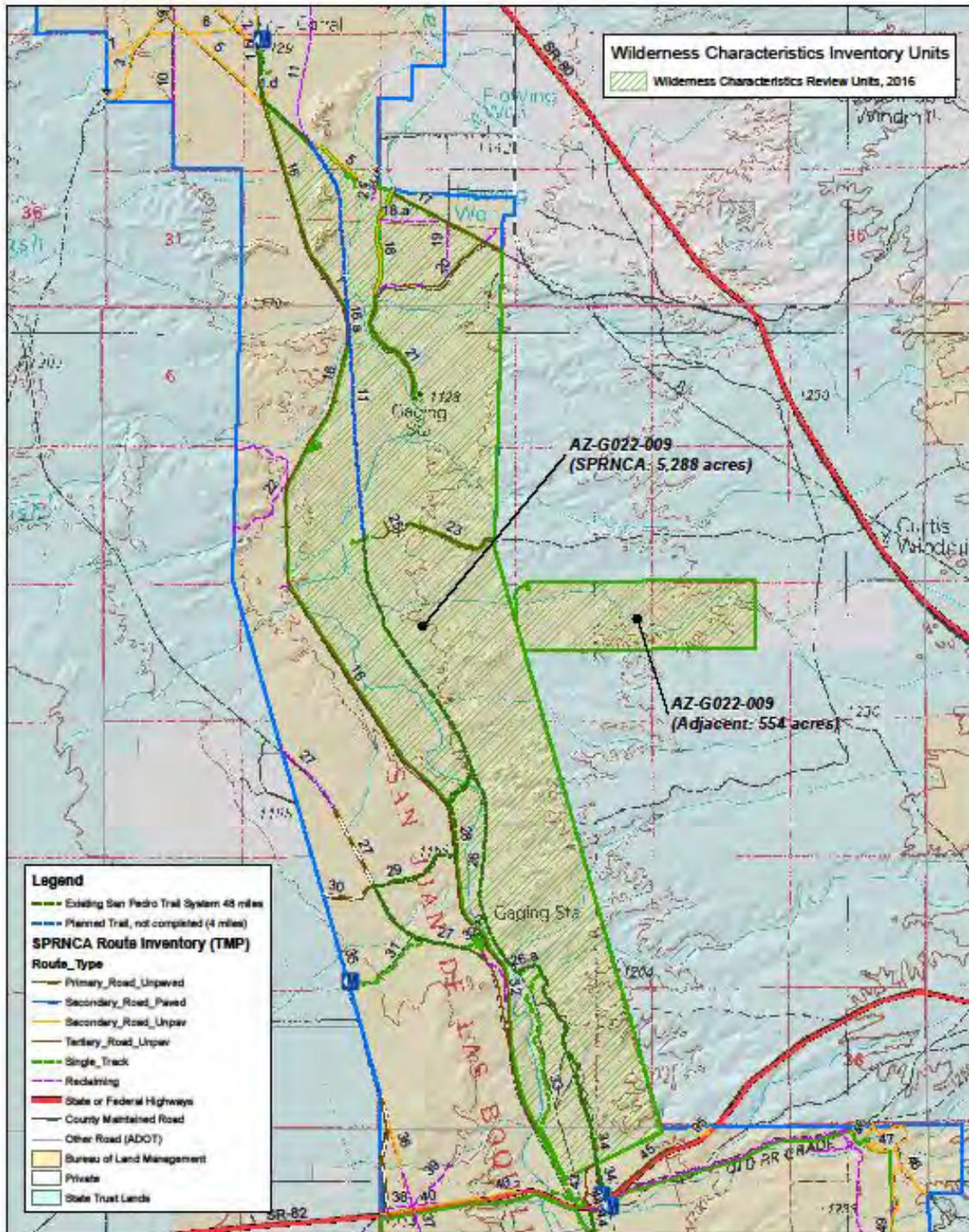
This evaluation identified three routes that meet the definition of a Wilderness Inventory Road (see Route Analysis section). These routes are excluded (cherry-stemmed) from the area, thus are not part of the wilderness inventory area.

This unit includes approximately 5,288 acres within SPRNCA, and approximately 554 acres on land adjacent to the SPRNCA evaluated as part of a contiguous block of BLM land.

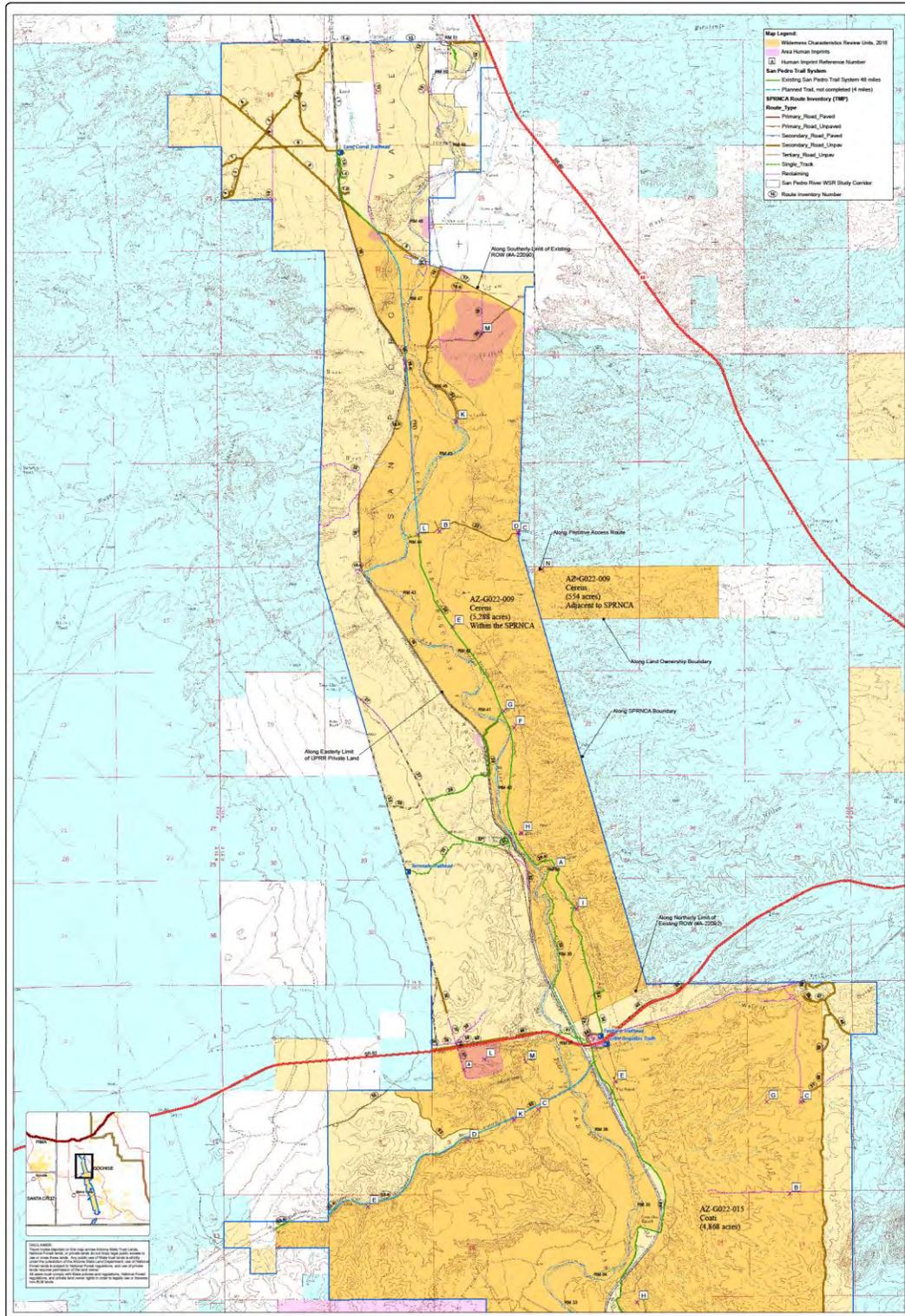
The inventory unit is shown on Map 2- Inventory Unit AZ-G022-009-Cereus.

(2) Does the area appear to be natural? **Yes**

Description *(include land ownership, location, topography, vegetation, and summary of major human uses/ activities)*: This unit includes federal land managed by the BLM within the SPRNCA and an adjacent parcel outside the SPRNCA. The unit includes approximately 15 miles of the San Pedro River and two major tributaries, Willow Wash and Clifford Wash. One of the largest Arizona walnut trees in the SPRNCA is found along an unnamed tributary during the inventory, with a diameter-at-breast-height of 3 feet, along with a numerous hackberry trees, ash trees, and mature mesquite trees (see Photo points 20–22). The terrain in the unit extremely rugged due to the steep topography along the side drainages. The riparian area includes healthy stands of cottonwood, ash, mesquite, and sacaton grassland. The uplands are creosote, white-thorn, cat-claw, and a variety of shrubs and grasses. State Trust land adjacent to the SPRNCA and unit is rangeland with range improvements, and open to public recreational use with a permit (hunting license, recreational permit).



The unit includes the following man-made features which are shown on Map 1a and cross-referenced in Table 5:



United States Department of the Interior
Bureau of Land Management
Cibola District, Tucson Field Office
3201 E. University Blvd
Tucson, AZ 85718
04/10/14

General Land Ownership:

- BLM
- Private
- Military
- State

Map Legend:

- State or Federal Highways
- County Maintained Road

San Pedro Riparian National Conservation Area
Map 1a. Wilderness Characteristics Inventory (North)

This map shows the areas evaluated for the presence or absence of wilderness characteristics in the San Pedro Riparian National Conservation Area Resource Management Planning Area.

Table 5: Human imprints, AZ-G022-009- Cereus.

ID	Latitude	Longitude	Comment
A	31.74648056	-110.19414722	A section of the San Pedro Trail approximately 4 miles in length (loop from Fairbank to Willow Wash). The trail is partly on a historic railroad grade, and is maintained for a 4-foot width, and disturbs approximately 2.2 acres.
B	31.79352222	-110.21246667	Historic range improvements (corral and fencing, windmill, a water trough and a clearing in the mesquite woodland) at Summers Well. The historic range improvements cover approximately one acre, are rustic and small in scale, and are screened from view by topography and vegetation.
C	31.79307500	-110.19958611	An existing single lane primitive route used for administrative vehicle access to Summers well. This route provides non-motorized public access to the San Pedro Trail route from adjacent State Trust land. The route is cherry stemmed from the inventory unit.
D	31.79328889	-110.19967222	Corral just inside the SPRNCA along Summers Well route near the entrance gate
E	31.78027222	-110.21039167	Historic railroad grades, including a grade extending north of Willow Wash to the Land Corral trailhead. This grade is part of the designated San Pedro Trail but has not been improved or maintained, and is in re-vegetated condition (see route analysis BLM #26).
F	31.76616111	-110.20053889	Historic mineral ore mill structures near Contention, with building foundations and walls along the historic railroad grade/trail route.
G	31.76845000	-110.20216944	The historic townsite of Contention, with building foundations and re-vegetated grounds.
H	31.75147500	-110.19947500	A borrow area/quarry used for historic railroad construction, reclaiming.
I	31.74085556	-110.19064444	Historic mineral ore mill structures near Fairbank, with building remnants.
J	31.72963333	110.18684444	The Fairbank Cemetery and interpretive loop trail.
K	31.80881667	-110.20955278	The Saint David Ditch and diversion dam ROW, with a ditch, siphon structures, earthen diversion dam, and a primitive unpaved service road along the ditch. This right of way is cherry stemmed from the inventory unit.
L	31.79306667	-110.21593056	Monitoring wells (groundwater) in Summers well area.
M	31.82083611	-110.20544167	The mesquite woodland along the east side of the Saint David Diversion Ditch was historically cleared, and remnants of cleared fencelines and clearings remain. The cleared area is re-vegetating with mesquite bosque.
N	31.78809444	-110.19587778	The part of the unit in the BLM parcel adjacent to the SPRNCA has an existing primitive single lane route used to access the SPRNCA fence.

The man made features are small in scale, widely spaced, screened by topography and vegetation, including re-vegetation on historically disturbed areas, and have a minor effect on the unit's overall naturalness. The historic features (townsite, railroad grades, cemetery, and mill structure sites) have cultural resource significance.

(3) Does the area have outstanding opportunities for solitude? **Yes**

Description: The unit's rugged topography and vegetative screening, non-motorized trail access, and distance from access points provide a remote area with low visitor use and outstanding opportunities for solitude.

(4) Does the area have outstanding opportunities for primitive and unconfined recreation? **Yes**

Description: The unit includes a maintained section of the San Pedro Trail accessed from the public access site at Fairbank to Willow Wash, including an interpretive trail spur to the Fairbank Cemetery, and a designated but unimproved and unmaintained trail route which continues north to Summers Well and to the Land Corral trailhead¹. The trail section from Fairbank to Willow Wash is open to mountain bicycle use. Recreation opportunities include hiking, horseback riding, hunting, wildlife viewing, viewing natural scenery, viewing historic sites and remnants of buildings and transportation features, mountain biking, wading/swimming in the river.

(5) Does the area have supplemental values? **Yes**

Description: This inventory unit is in the SPRNCA, and has examples of the resource values the conservation area was established for, including riparian and upland wildlife habitat, cultural and historic features with scientific and educational resource value. The riparian area was found to be functioning at risk in a 2013 Proper Functioning Condition Assessment conducted for the San Pedro River. The unit includes side drainages that are important wildlife travel corridors from the river to the uplands and surrounding mountain ranges (see Photopoint 4). Tamarisk is found in the area, encroaching on native vegetation along the river, but providing habitat for wildlife including willow flycatcher and yellow-billed cuckoo. The unit includes occupied habitat for raptors, including gray hawks, a BLM Species of Concern, with approximately three pairs of gray hawks every two miles along the riparian corridor. The riparian area in the unit is habitat for the yellow-billed cuckoo, a BLM Species of Concern and a U.S. Fish and Wildlife Service (USFWS) proposed endangered species. The mesquite woodland provides habitat for many avian species, including the Bell's vireo, a BLM Species of Concern, and the Lucy's warbler. There are many significant botanical species in this area, such as the button bush (see Photopoint 9), which is important for butterfly productivity and migration. The Cereus cactus, not as abundant as other cacti, can be found in the uplands of this area.

Historical resource values in the unit include the Fairbank Cemetery, Contention City historic townsite, Drew Station, Sunset Mill, and Grand Central Mill (see Photopoints 10, 11, 12, 14, 18).

¹ San Pedro Intermodal Transportation Plan, BLM 1995.

Cereus Unit

The unit includes a short segment in the San Pedro River with perennial flow, in an otherwise intermittent section of the river. The perennial section provides aquatic habitat, and supports a productive riparian area.

The unit includes the San Pedro Area Research Natural Area (RNA), approximately 1,430 acres, designated in the Safford Resource Management Plan (RMP) under Visual Resource Management (VRM) Class I.

1 **Summary of Analysis**

2
3
4 Area Unique Identifier: AZ-G022-009-Cereus

5
6 Results of analysis: Wilderness characteristics are present in this unit.

7
8 1. Does the area meet the size requirements? Yes

9
10 2. Does the area appear to be natural? Yes

11
12 3. Does the area offer outstanding opportunities for solitude or a primitive and unconfined type
13 of recreation? Yes

14
15 4. Does the area have supplemental values? Yes

16
17 X The area, or a portion of the area, has wilderness characteristics and is identified as lands
18 with wilderness characteristics (LWC).

19
20 The area does not have wilderness characteristics.

21
22 **Prepared by (Team Members):**

23 Jim Mahoney, BLM Outdoor Recreation Planner (August 2015 Draft)

24 Heather Swanson, BLM Natural Resources Specialist (August 2015 Draft)

25 Francisco Mendoza, BLM Outdoor Recreation Planner (May 2016 Final)

26 Ken Mahoney, Arizona BLM National Conservation Lands Program Lead (Primary reviewer of
27 August 2015 and May 2016 Inventories)

28
29 **Reviewed by (District of Field Manager)**

30
31 Name: Melina J. Owen Title: TUCSON FIELD MANAGER

32
33 Date: 5/11/2016

34
35 This form documents information that constitutes an inventory finding on wilderness
36 characteristics. It does not represent a formal land use allocation or a final agency decision
37 subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.

Summary Route Analysis

Inventory Unit: AZ-G022-009 - Cereus

Table 6 (below) lists the travel routes that affect the inventory unit's roadlessness, and the summary determination on whether the route meets the criteria for a 'road' for wilderness inventory purposes, as described in each route's analysis.

Table 6: Travel Routes

Route Id. No.	Construction by Mechanical Means?	Maintenance by Mechanical Means?	Regular and Continuous Use?	Wilderness Inventory Road?
BLM #18 and #21	Yes	Yes	Yes	Yes
BLM #23	Yes	Yes	Yes	Yes
BLM #28	Yes	Yes	Yes	Yes
BLM #26 and #26.a	Yes	No	Yes	No
BLM # 11	Yes	No	No	No
BLM # 17 and #5	Yes	Yes	Yes	Yes
BLM #18.a, and #19	Yes	No	No	No
BLM #20	Yes	No	No	No
BLM #34	Yes	Yes	Yes	Yes
BLM #33	Yes	No	No	No

Notes:

The Route Analysis forms describe the factors considered in determining whether a route is a 'road' for wilderness characteristics inventory purposes. The forms contain footnotes which clarify the purpose of the route analysis, and the criteria used in the determination.

The foot notes for the forms are listed below:

¹ This form documents information that constitutes an inventory finding on wilderness characteristics. It does not represent a formal land use allocation or a final agency decision subject to administrative remedies under either 43 Code of Federal Regulations (CFR) parts 4 or 1610.5-3.

² Road: An access route which has been improved and maintained by mechanical means to insure relatively regular and continuous use. A way maintained solely by the passage of vehicles does not constitute a road.

- a. Improved and maintained – Actions taken physically by people to keep the road open to vehicle traffic. “Improved” does not necessarily mean formal construction. “Maintained” does not necessarily mean annual maintenance.
- b. Mechanical means – Use of hand or power machinery or tools.
- c. Relatively regular and continuous use – Vehicular use that has occurred and will continue to occur on a relatively regular basis. Examples are: access roads for equipment to maintain a stock water tank or other established water sources, access roads to maintained recreation sites or facilities, or access roads to mining claims.

³ If a portion of a route is found to meet the wilderness inventory road criteria (see Part III) and the remainder does not meet these criteria (e.g., a cherry stemmed road with a primitive route continuing beyond a certain point), identify each segment and explain the rationale for the separate findings under pertinent criteria.

⁴ The purpose of a route is not a deciding factor in determining whether a route is a road for wilderness characteristics inventory purposes. The purpose of a route does provide context for factors on which such a determination may be based, particularly the question of whether maintenance of the route ensures relatively regular and continuous use. The purpose also helps to determine whether maintenance that may so far have been unnecessary to ensure such use would be approved by BLM when the need arises.

⁵ Good condition would be a condition that ensures regular and continuous use relative to the purposes of the route. Consider whether the route can be clearly followed in the field over its entire course and whether all or any portion of the route contains any impediments to travel.

⁶ Include estimate of travel rates for the stated purposes, e.g., trips/day or week or month or season or year or even multiple years in some facility maintenance cases.

⁷ If part of the route meets the wilderness inventory road definition and the remainder does not, describe the segment meeting the definition and any remaining portion not meeting the definition and why.

⁸ Describe and explain rationale for any discrepancies with citizen proposals.

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-009 - Cereus

Route or Route Segment³ Name and/or Identifier: St. David Diversion Ditch Route (BLM #18 and #21)

I. LOCATION:

This route is in the north end of the inventory unit (see Unit map). Access is from private land and the natural gas pipeline service route (BLM #17).

Describe: Approximately 1.5 miles in length, 12-14 feet in width, single lane primitive route, natural soil surfaced on dike along the ditch. Extends south from private land north of the El Paso Gas pipeline ROW to the Saint David diversion dam (Photopoint # 1).

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: This route is used for administrative vehicle access related to the use, maintenance and operation of the St. David Diversion Ditch, diversion dam, gauging station and siphons. It also provides non-motorized access for recreational purposes, including mountain bicycles.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **YES**

2. If yes, what is the stated purpose of the ROW?:

The ROW associated with this route is the Saint David Irrigation AZA 22089, 100 feet total width. The road is contained completely within the ROW. The ROW authorizes the Saint David Irrigation District to construct, operate, maintain and terminate the ditch and diversion. The diversion ditch provides water to private properties in Saint David for the purpose of agricultural irrigation, and landscaping.

3. Is the ROW still being used for this purpose? **YES**

Explain: The ditch and diversion were developed in the late 1880's, and has been in use and operation until present day.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes

No

1. Construction: YesExamples: Paved___ Bladed X Graveled___ Roadside Berms___ Cut/Fill___ Other X

Describe: This route was constructed as part of the ditch. The road is on top of the dike along the ditch.

2. Improvements:

Yes If "yes": by Hand Tools___ by Machine XExamples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other X

Describe: Improvements to this route are for maintenance of the ditch (removal of sediments and shaping ditch sides) and for ingress/egress to the earthen diversion dam. The dam is built back up every year after monsoon using river bed material.

B. Maintenance: Yes

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes; If "yes": by Hand Tools ___ by Machine X

Explain: A back hoe is typically used to maintain the ditch and dam, and the roadway.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?Yes

Explain: Maintenance of the route, ditch, and dam, will continue according the ROW terms and conditions.

C. Relatively regular and continuous use: Yes

Describe evidence

The route is maintained annually. Typically the route, ditch and diversion dam are maintained annually to repair damage from monsoon storm flows, and operate the water supply.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road?

Yes = Wilderness Inventory Road No = Not a road for wilderness inventory purposes

Explanation⁸: There are no discrepancies with the citizen's proposal received in February 2016. The boundaries for the unit are defined by the limits of ROWs where applicable, not the edge of the route.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

(Factors to consider when determining whether a route is a road² for wilderness characteristics inventory purposes.)

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-009 - Cereus

Route or Route Segment³ Name and/or Identifier: Summers Well Route (BLM #23 and #25).

I. LOCATION:

This route is on the east side of the inventory unit. Access is from State Route (SR) 80 across State Trust land.

Describe: Single lane primitive route, approximately 1 mile in length and 10 to 12 feet wide. Access limited by a gate on the SPRNCA boundary. Use is limited to administrative vehicles, and non-motorized public use. See Photopoint #6 for the end of road and Photopoint #3 to see road and landscape.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: This route is used for administrative vehicle access to the Summers Well area for inspection and operation of groundwater monitoring wells. It also provides non-motorized access for recreational purposes, including mountain bicycle.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW?: **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: The route was originally constructed to access range improvements predating the establishment of the SPRNCA. The area is no longer permitted for grazing.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes *(if either A.1 or A.2 is checked "yes" below)* No *(if both A.1 and A.2 are checked "no" below)*

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved___ Bladed X Graveled___ Roadside Berms___ Cut/Fill___ Other ___

Describe: This route was initially constructed by mechanical means, in connection with range improvements at Summers Well.

2. Improvements:

No If "yes": by Hand Tools___ by Machine___

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: No improvements have been made to this route. Route is currently eroding in places from surface runoff, but extremely rough.

B. Maintenance:

Yes

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes If "yes": by Hand Tools X by Machine ___

Explain: Hand tools have been used to clear vegetation to allow passage by administrative vehicles (4x4 pick up truck).

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes

Explain: If continued access to monitoring wells is needed, the BLM would likely approve mechanical maintenance of the route with hand tools or machine.

C. Relatively regular and continuous use: **Yes**

Describe evidence

The groundwater monitoring wells are visited approximately once a month.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road

Yes = Wilderness Inventory Road No = Not a road for wilderness inventory purposes

Explanation⁸: There are no discrepancies with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-009--Cereus

Route or Route Segment³ Name and/or Identifier: Contention Route (BLM #28)

I. LOCATION:

This route is on the west side of the unit, and is accessed from In Balance Ranch Road, extending approximately 0.6 mile. The end of the route is at the river side (31°46'1.07"N, 110°12'11.77"), see Photopoint #19.

Describe: Single lane primitive route, unpaved, approximately 0.25 mile in length and 10-12 feet wide.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: Route is used for administrative vehicle access to operate ground water monitoring wells; the route is not open for public vehicular use. It is part of the San Pedro Trail system and used for non-motorized public access to the river, including bicycles, and connects to the San Pedro Trail on the east side of the River, near Contention.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW? **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: Access to the route requires crossing private property on the Union Pacific Railroad ROW.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes (if either A.1 or A.2 is checked "yes" below) **No** (if both A.1 and A.2 are checked "no" below)

1. Construction: **Yes**

Examples: Paved___ Bladed **X** Graveled___ Roadside Berms **X** Cut/Fill___ Other **X**

Describe: This route was initially constructed by mechanical means.

2. Improvements:

Yes If "yes": by Hand Tools ___ by Machine X

Examples: Culverts ___ Hardened Stream Crossings ___ Bridges ___ Drainage X Barriers ___
Other ___

Describe: Rough water bars have been bladed into this route. The route is currently stable, but traverses soft fine soils that are impassable when wet.

B. Maintenance: Yes

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes If "yes": by Hand Tools X by Machine X

Explain: Backhoe and/or bulldozers have been used recently to maintain the route. Hand tools have been used to clear vegetation.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes

Explain: If continued access to monitoring wells is needed, the BLM would likely approve mechanical maintenance of the route with hand tools or machine.

C. Relatively regular and continuous use: Yes

Describe evidence:

The groundwater monitoring wells are visited approximately once a month.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road

Yes X = Wilderness Inventory Road No ___ = Not a road for wilderness inventory purposes

Explanation⁸: There are no discrepancies with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-009--Cereus

Route or Route Segment³ Name and/or Identifier: San Pedro Trail Route (BLM #26, 26.a)

I. LOCATION:

This route is in the south central part the unit, from Willow Wash to Summers Well. It is accessed from SR 82 at Fairbank via the San Pedro Trail route (BLM #34). Route 26 a provides the connection between route BLM #26 and BLM #34 at Willow Wash.

Describe: Non-motorized trail route on reclaiming historic railroad grade, approximately 3.5 miles in length. The trail is a single track. The historic railroad bed varies from 10 – 14 feet wide.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: The railroad grade is abandoned, with only the grade remaining. The route is part of the designated San Pedro Trail system, and has been minimally maintained for trail purposes. The historic railroad grade continues north and is BLM #11 north of Summers Well.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **Yes**
2. If yes, what is the stated purpose of the ROW?: **Railroad**
3. Is the ROW still being used for this purpose? **No**

Explain: The route is within the Union Pacific Railroad ROW (# PHX-059620, 200 -foot total width). The ROW is under review by the BLM Solicitor to determine its status.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: **Yes**Examples: Paved___ Bladed Graveled___ Roadside Berms Cut/Fill Other ___

Describe: This route was constructed by mechanical means.

2. Improvements:

Yes If "yes": by Hand Tools___ by Machine Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage Barriers___
Other___

Describe: Remnants of stream crossings are present. The railroad grade is has turnpikes in places.

B. Maintenance:

No.

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If "yes": by Hand Tools ___ by Machine ___

Explain: Light trail maintenance work.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?**No**

Explain: Maintenance for non-motorized trail purposes would be authorized, but not to accommodate administrative vehicle use.

C. Relatively regular and continuous use: **Yes**

Describe evidence:

The route receives light use for non-motorized recreational trail purposes.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road:

Yes ___ = Wilderness Inventory Road No **X** = Not a road for wilderness inventory purposes

Explanation⁸: There are no discrepancies with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-009--Cereus

Route or Route Segment³ Name and/or Identifier: San Pedro Trail Route (BLM #11)

I. LOCATION:

This route is in the north central part the unit, from Summers Well to the north boundary of the unit. It is accessed from BLM #26, and Summer Well Route (BLM #23).

Describe: The route is part of the designated San Pedro Trail system. It is on a reclaiming historic railroad grade, overgrown. It is approximately 3.0 miles in length, and has not been improved or maintained to implement the trails plan on this route. The route crosses the San Pedro River.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: The railroad grade is abandoned and reclaiming. The route is part of the designated San Pedro Trail system, and has not been maintained or improved for trail purposes. The route passes by several sites of historic interest (Contention, mill sites)

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **Yes**
2. If yes, what is the stated purpose of the ROW?: **Railroad**
3. Is the ROW still being used for this purpose? **No**

Explain: The route is within the railroad ROW (# PHX-059620, 200-foot total width). The ROW is under review by the BLM Solicitor to determine its status.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction:

Yes

Examples: Paved___ Bladed **X** Graveled___ Roadside Berms **X** Cut/Fill **X** Other ___

Describe: This route was constructed by mechanical means.

2. Improvements:

No If "yes": by Hand Tools___ by Machine **X**

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe:

B. Maintenance:

No.

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If "yes": by Hand Tools ___ by Machine ___

Explain:

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

No

Explain: Maintenance for non-motorized trail purposes would be authorized, but not to accommodate administrative vehicle use.

C. Relatively regular and continuous use: (Does the route or route segment ensure relatively regular and continuous use?) **No**

Describe evidence:

The route receives light use for non-motorized recreational trail purposes.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road?

Yes ___ = Wilderness Inventory Road No **X** = Not a road for wilderness inventory purposes

Explanation⁸: There are no discrepancies with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (May 2016)

Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

(Factors to consider when determining whether a route is a road² for wilderness characteristics inventory purposes.)

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-009 - Cereus

Route or Route Segment³ Name and/or Identifier: Gas Line Route (BLM #17 and #5)

I. LOCATION:

This route forms the north boundary of the unit. It is accessed from adjacent private land and the San Pedro Trail route from Land Corral (BLM #1). The route enters the SPRNCA from State Trust land to the west, and private land to the east.

Describe: Primitive single lane route about 10 ft. wide, natural soil surface, along the El Paso Natural Gas pipeline right of way (ROW # A-22090, 40-foot total width). Route segment BLM #5 (approximately 0.75 mile) is on the west side of the San Pedro River, and BLM #17 (approximately 1 mile) is on the east side of the river.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: This route provides access for use, maintenance, and operation of the El Paso Natural Gas Line infrastructure and ROW (# A-22090).

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **Yes**
2. If yes, what is the stated purpose of the ROW?: **Natural Gas Pipeline**
3. Is the ROW still being used for this purpose? **Yes**

Explain: The route is within an existing ROW across the SPRNCA (# A-22090, 40-foot total width).

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: **Yes**

Examples: Paved___ Bladed Graveled___ Roadside Berms Cut/Fill Other ___

Describe: This route was constructed by mechanical means.

2. Improvements: (Is there evidence of improvements using mechanical means to facilitate access?)

Yes If "yes": by Hand Tools___ by Machine

Examples: Culverts Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: Culvert crossing over Saint David Diversion Ditch.

B. Maintenance: (Is there evidence of maintenance that would ensure relatively regular and continuous use?): **Yes.**

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes If "yes": by Hand Tools ___ by Machine

Explain: The pipeline river crossing was reconstructed in recent years to bury it deeper under the river bed.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes

Explain: Maintenance is authorized under the terms and conditions of the ROW.

C. Relatively regular and continuous use: **Yes**

Describe evidence:

The route receives light use by vehicle for operation of the pipeline, for non-motorized recreational trail purposes (BLM #5 is part of the San Pedro Trail from the Land Corral trailhead).

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road (*i.e., are items III.A and III.B and III.C all checked yes*)?

Yes = Wilderness Inventory Road No = Not a road for wilderness inventory purposes

Explanation⁸: This route is not discussed in the citizen's proposal received in February 2016.

E Evaluator(s):

Date: (May 2016)

Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-009 - Cereus

Route or Route Segment³ Name and/or Identifier: Line Route (BLM #18.a, and #19)

I. LOCATION:

These two routes are in the north end of the unit. They are accessed from the gas pipeline service route (BLM #17).

Describe: Reclaiming routes along fencelines on private property which was reconveyed to the US and is now part of the SPRNCA. BLM #18.a is approximately 0.5 mile in length, and BLM #19 is approximately 0.3 mile; both routes are about 10-foot wide and both are revegetating.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: No access purposes have been identified for these two routes.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW?: **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: N/A

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes .

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**Examples: Paved___ Bladed ___ Graveled___ Roadside Berms **X** Cut/Fill___ Other ___

Describe: This route was constructed by mechanical means for property boundary fencing.

2. Improvements:

No If "yes": by Hand Tools___ by Machine ___Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: N/A

B. Maintenance: **No**.

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If "yes": by Hand Tools ___ by Machine ___

Explain: N/A

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?**No**

Explain: No access purpose has been identified for this route.

C. Relatively regular and continuous use: **No**

Describe evidence:

The route receives light use by vehicle for operation of the pipeline, for non-motorized recreational trail purposes (BLM #5 is part of the San Pedro Trail from the Land Corral trailhead).

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road?

Yes ___ = Wilderness Inventory Road No **X** = Not a road for wilderness inventory purposes

Explanation⁸: This route is not discussed in the citizen's proposal received in February 2016.

Evaluator(s):

Date: (May 2016)

Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-009 - Cereus

Route or Route Segment³ Name and/or Identifier: Woodland Route (BLM #20)

I. LOCATION:

This route is in the north end of the unit. Access is from the gas pipeline service route (BLM #17).

Describe: Single lane primitive route in reclaiming condition, approximately 1 mile and about 10 - foot wide.

II. ROUTE CONTEXT:

A. Current Purpose⁴ (if any) of Route:

Describe: This route was identified as having an administrative access purpose related to facilities maintenance. The route provides an alternative access route to the east side of St. David Ditch syphon at a large wash crossing (31°49'8.55"N, 110°12'50.28"W).

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW?: **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: The route provides alternate access on the east side to the Saint David Diversion Ditch syphon.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**Examples: Paved___ Bladed ___ Graveled___ Roadside Berms **X** Cut/Fill___ Other ___

Describe: Given its alignment and location, this route was likely constructed by mechanical means prior to establishment of the SPRNCA.

2. Improvements: (Is there evidence of improvements using mechanical means to facilitate access?)

No If "yes": by Hand Tools___ by Machine ___Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: N/A

B. Maintenance: (Is there evidence of maintenance that would ensure relatively regular and continuous use?): **No.**

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If "yes": by Hand Tools ___ by Machine ___

Explain: N/A

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?**No**

Explain: The access purpose identified for this route may be adequately provided by BLM# 18.

C. Relatively regular and continuous use: **No**

Describe evidence:

The route receives light use by vehicle, leading to encroachment of vegetation and regrowth in the travelway.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road?

Yes ___ = Wilderness Inventory Road No **X** = Not a road for wilderness inventory purposes

Explanation⁸: This route is not discussed in the citizen's proposal received in February 2016.

Evaluator(s):

Date: (May 2016)

Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-009--Cereus

Route or Route Segment³ Name and/or Identifier: San Pedro Trail Route (BLM #34)

(

I. LOCATION:

This route is in the southern part the unit, from the Fairbank trailhead to Willow Wash. It connects to BLM #33. Access is from SR 82.

Describe: This route is part of the San Pedro Trail system. It is approximately 1.7 miles in length and 8 to 10-foot wide, natural soil surface.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: The route is part of the designated San Pedro Trail system, and receives use for non-motorized recreational purposes. The route provides access to the Fairbank Cemetery, and remnants of historic ore mill sites. The route also provides vehicle access for administrative purposes and emergency use.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW?: **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: N/A.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**Examples: Paved___ Bladed Graveled___ Roadside Berms Cut/Fill Other ___

Describe: This route was constructed by mechanical means.

2. Improvements: (Is there evidence of improvements using mechanical means to facilitate access?)

No If "yes": by Hand Tools___ by Machine___Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: N/A.

B. Maintenance:

Yes.

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes If "yes": by Hand Tools by Machine ___

Explain: Trail maintenance work.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?**Yes**

Explain: Maintenance for non-motorized trail purposes would continue to be authorized. Minimal maintenance or spot repairs would be approved to accommodate administrative vehicle use.

C. Relatively regular and continuous use: **Yes**

Describe evidence:

The route receives moderate to heavy use for non-motorized recreational trail purposes (hiking, equestrian and bicycle). Vehicle use for administrative purposes is light and infrequent.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road (*i.e., are items III.A and III.B and III.C all checked yes*)?

Yes **X** = Wilderness Inventory Road No ___ = Not a road for wilderness inventory purposes

Explanation⁸: There are no discrepancies with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-009 - Cereus

Route or Route Segment³ Name and/or Identifier: San Pedro Trail Route (BLM #33)

I. LOCATION:

This route is in the southern part the unit, and forms a loop from Willow Wash to the Fairbank trailhead with BLM #34. Public access is from SR 82.

Describe: This route is part of the San Pedro Trail system. It is approximately 1.2 miles in length and about 3 to 6 -foot wide, natural soil surface.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: The route is part of the designated San Pedro Trail system, and receives use for single track non-motorized recreational purposes (hiking, equestrian and bicycle). The route provides a loop from BLM #34 at Willow Wash and Fairbank along the west side of the San Pedro River.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW?: **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: The route is partly on the patented Union Pacific Railroad ROW, from the existing trestle bridge (31°43'47.45"N, 110°11'40.47"W) to Fairbank. Use of the ROW for trail purposes is not authorized, and recent input from Union Pacific Railroad indicates the route may need to be relocated outside the ROW.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**Examples: Paved___ Bladed ___ Graveled___ Roadside Berms ___ Cut/Fill **X** Other ___

Describe: This route was constructed for single track recreational trail purposes using hand tools.

2. Improvements: (Is there evidence of improvements using mechanical means to facilitate access?)

No If "yes": by Hand Tools___ by Machine___Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: The travelway and clearance were minimally improved with hand tools for non-motorized recreational trail purposes (narrow width).

B. Maintenance: (Is there evidence of maintenance that would ensure relatively regular and continuous use?): **No.**

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes If "yes": by Hand Tools **X** by Machine ___

Explain: Only for trail maintenance work.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?**No**

Explain: Maintenance for non-motorized trail purposes would continue to be authorized. Maintenance to accommodate conventional administrative vehicle use would not be authorized. The route is a single track and could only accommodate small trail vehicles fewer than 30 inches .

C. Relatively regular and continuous use: **No.**

Describe evidence:

The route receives moderate to heavy use for non-motorized recreational trail purposes (hiking, equestrian and bicycle). The route is not used for vehicle access for administrative purposes.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road:

Yes = Wilderness Inventory Road No = Not a road for wilderness inventory purposes

Explanation⁸: This route is not described in the citizen's proposal received in February 2016.

Evaluator(s):

Date: (May 2016)

Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
APPENDIX D – PHOTO LOG

Inventory Area Unique Identifier AZ-G022-009 Cereus

Photographer(s): James Mahoney

Table 7: Photo Log

Date	Frame#	Camera Direction	Description	GPS Location	Photo Point #
7/20/13	2146	S	Cherry stem road going to Saint David Diversion Ditch (BLM #18 and #21)	31°49'40.01"N 110°12'47.43"W	1
7/20/13	2225 & 2226 merged	N	San Pedro River looking at the confluence of Willow Wash	31°44'45.56"N 110°11'43.44"W	2
7/20/13	2148-2151 merged	SW	Low Hills/cherry stem road to Summers Well/Huachuca Mountains (BLM #23)	GPS NAD 83 12R0575766/ 3517786	3
7/20/13	2159 & 2160 merged	NE	Ocotillo uplands/ Dragoon Mountains	GPS NAD 83 12R0575145/ 3517834	4
7/20/13	2157 & 2158 merged	N	Uplands with San Pedro River in the background	GPS NAD 83 12R0575145/ 3517834	5
7/20/13	2168	W	End of cherry stem road to Summers Well (BLM #23)	31°47'36.14"N 110°12'53.13"W	6
7/20/13	2213	N	Fairbank loop trail (BLM #34)	31°43'39.26"N 110°11'15.29"W	7
7/20/13	2239	W	Arizona Ash Tree on Fairbank loop trail	31°44'18.91"N 110°11'41.24"W	8
7/20/13	2255	W	Button bush	31°44'08.98"N 110°11'37.96"W	9
6/12/12	602	NE	Contention historic townsite	31°46'15.10"N 110°12'10.97"W	10
6/12/12	609	NE	Contention historic townsite	31°46'15.10"N 110°12'10.97"W	11
7/22/05	N/A	SW	Bridge girder in river from old railroad trestle	31°47'35.53"N 110°13'05.96"W	12

Cereus Unit

Date	Frame#	Camera Direction	Description	GPS Location	Photo Point #
7/20/13	N/A	E	Riparian zone at Summers Well	31°46'15.10"N 110°12'10.97"W	13
6/2/04	N/A	NE	Grand Central Mill site	31°44'27.54"N 110°11'27.11"W	14
7/12/13	N/A	SW	San Pedro River south of Willow Wash	31°44'45.56"N 110°11'43.44"W	15
7/12/13	N/A	NW	San Pedro River from Fairbank Cemetery	31°43'55.72"N 110°11'37.60"W	16
6/12/12	N/A	S	San Pedro River South of Contention	31°46'2.14"N 110°12'9.58"W	17
12/9/04	N/A	N	Old Stage/Railroad Trestle North of Contention	31°46'41.22"N 110°12'31.22"W	18
10/1/13	N/A	NE	End of Contention Road cherry stem (BLM #26)	GPS NAD 83 12R0575442/3514895	19
4/20/15	N/A	N	Arizona walnut	31°47'11.74"N 110°12'53.88"W	20
4/20/15	N/A	S	Desert hackberry roots	31°47'9.61"N 110°12'50.61"W	21
4/20/15	N/A	SW	Velvet mesquite roots	31°47'7.67"N 110°12'43.67"W	22



Figure 1: Cherry stem road going to Saint David Diversion Ditch (BLM #18 and #21)



Figure 2: San Pedro River looking at the confluence of Willow Wash



Figure 3: Low Hills/cherry stem road to Summers Well/Huachuca Mountains (BLM #23)



Figure 4: Ocotillo Uplands/ and Dragoon Mountains



Figure 5: Uplands with San Pedro River in the Background



Figure 6: End of cherry stem road at Summers Well (BLM #23)



Figure 7: Fairbank Loop Trail (BLM #34)



Figure 8: Arizona Ash Tree on Fairbank Loop Trail



Figure 9: Button Bush

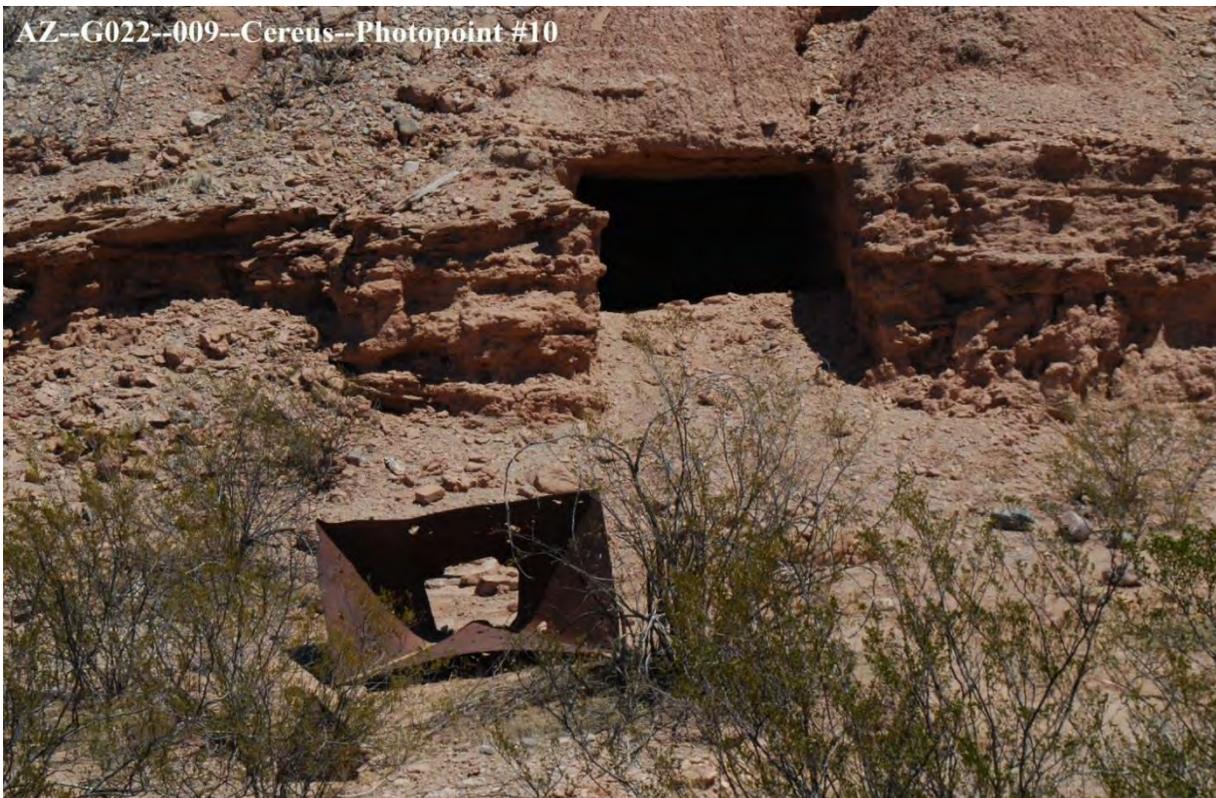


Figure 10: Contention historic townsite



Figure 11: Contention historic townsite

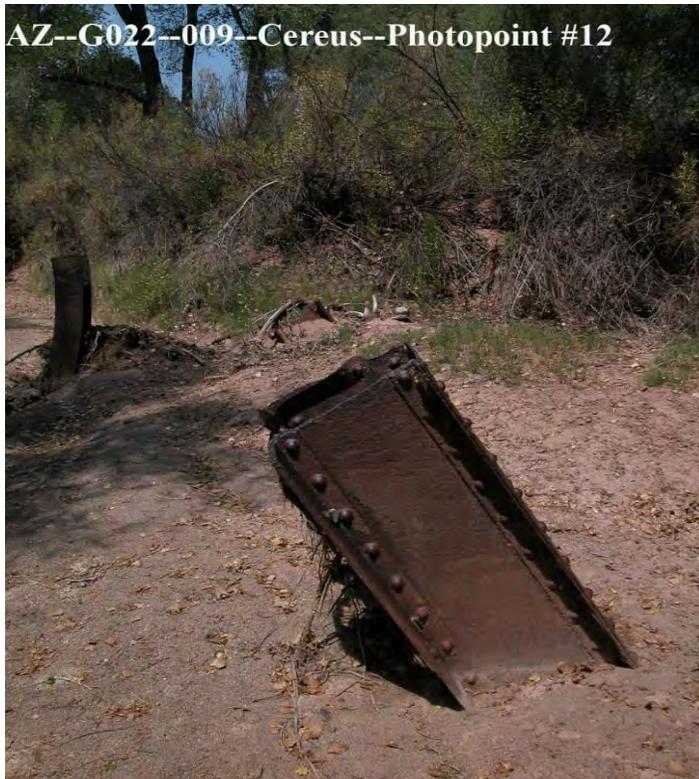


Figure 12: Bridge girder in river from old railroad trestle



Figure 13: Riparian zone at Summers Well



Figure 14: Grand Central Mill site



Figure 15: San Pedro River south of Willow Wash



Figure 16: San Pedro River from Fairbank Cemetery



Figure 17: San Pedro River South of Contention



Figure 18: Old Stage/Railroad Trestle North of Contention



Figure 19: End of Contention Road cherry stem (BLM #26)

AZ-G022-009 – Cereus Photopoint #20



Figure 20: Arizona walnut

AZ – G022-009 – Cereus Photopoint #21



Figure 21: Desert hackberry roots

AZ-G022-009 – Cereus Photopoint # 22



Figure 22: Velvet mesquite roots

FORM 2-

Current Conditions: Presence or Absence of Wilderness Characteristics

Area Unique Identifier: AZ-G022-014 Oxbow

Acreage: 7,769

(1) Is the area of sufficient size? **Yes**

Description:

The northern boundary is defined by the State Route (SR) 82 right of way, excluding a segment of an abandoned highway alignment. The western boundary is formed by property boundaries, and an existing primitive access route that meets the criteria for a wilderness road. The eastern boundary is the private land boundary of the Union Pacific Railroad. The southern boundary follows the north limit of the existing Southwest electric transmission line Right of Way (ROW) (#22638, 20-foot total width) and property boundaries; including the boundary with private land in the Brookline Ranch (Hayhurst).

The inventory unit is shown on Map 3- Inventory Unit AZ-G022-014-Oxbow.

(2) Does the area appear to be natural? **Yes**

Description: The unit is entirely within the San Pedro Riparian National Conservation Area (SPRNCA), with the boundary adjacent to private lands, State Trust Land, and Fort Huachuca Military Reservation land. Topography in the unit includes the Charleston Hills, the Babocomari River canyon, and upland bajada slopes highly dissected by desert washes and rolling ridges. Along the edge of the San Pedro River valley are extensive mesquite bosque with hackberry, and a variety of understory shrubs, forbs and grasses.

The unit includes a segment of the San Pedro River approximately 10 miles in length (see Photopoints 11, 16). This section of the San Pedro River includes a perennial segment in the Charleston hills vicinity, with the flow below the hills considered perennial transitioning to intermittent¹. This unit includes a segment of the Babocomari River (see Photopoints 1, 2, 4 & 5) approximately 1.5 miles in length. Both rivers include a riparian area with outstanding cottonwood/willow galleries, healthy understory vegetation including willow, ash, and seep willow, and aquatic habitat. Several major side drainages (Graveyard Gulch, Woodcutter Wash, and unnamed washes) cross the unit, and provide important wildlife movement corridors from the uplands to the river. Vegetation in the uplands includes white-thorn acacia, creosote, and mixed native grassland, mesquite bosque, and giant sacaton in the bottomlands.

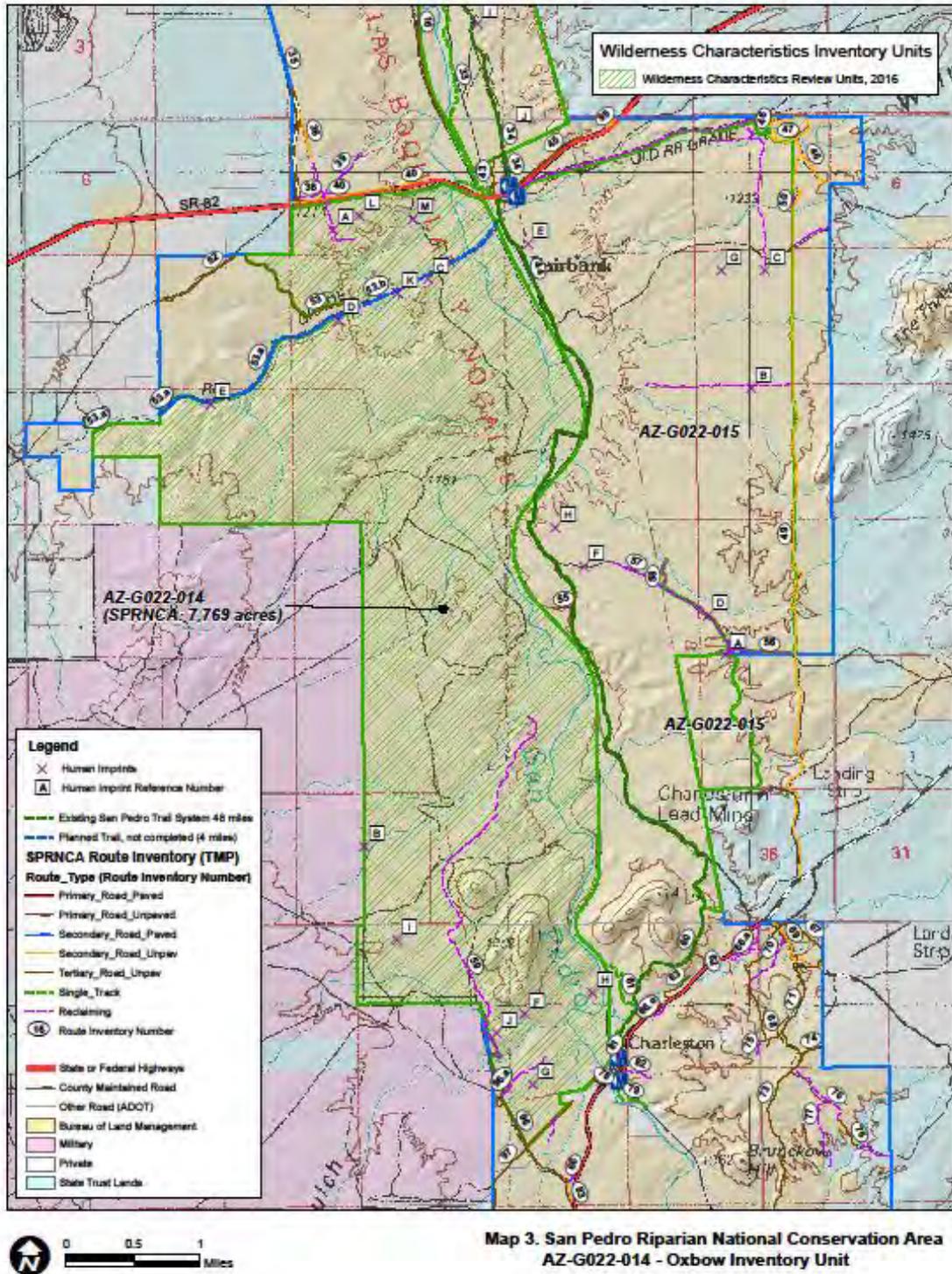
Part of this unit is within the Babocomari grazing allotment (Bureau of Land Management [BLM] #5208), which is permitted for cattle grazing.

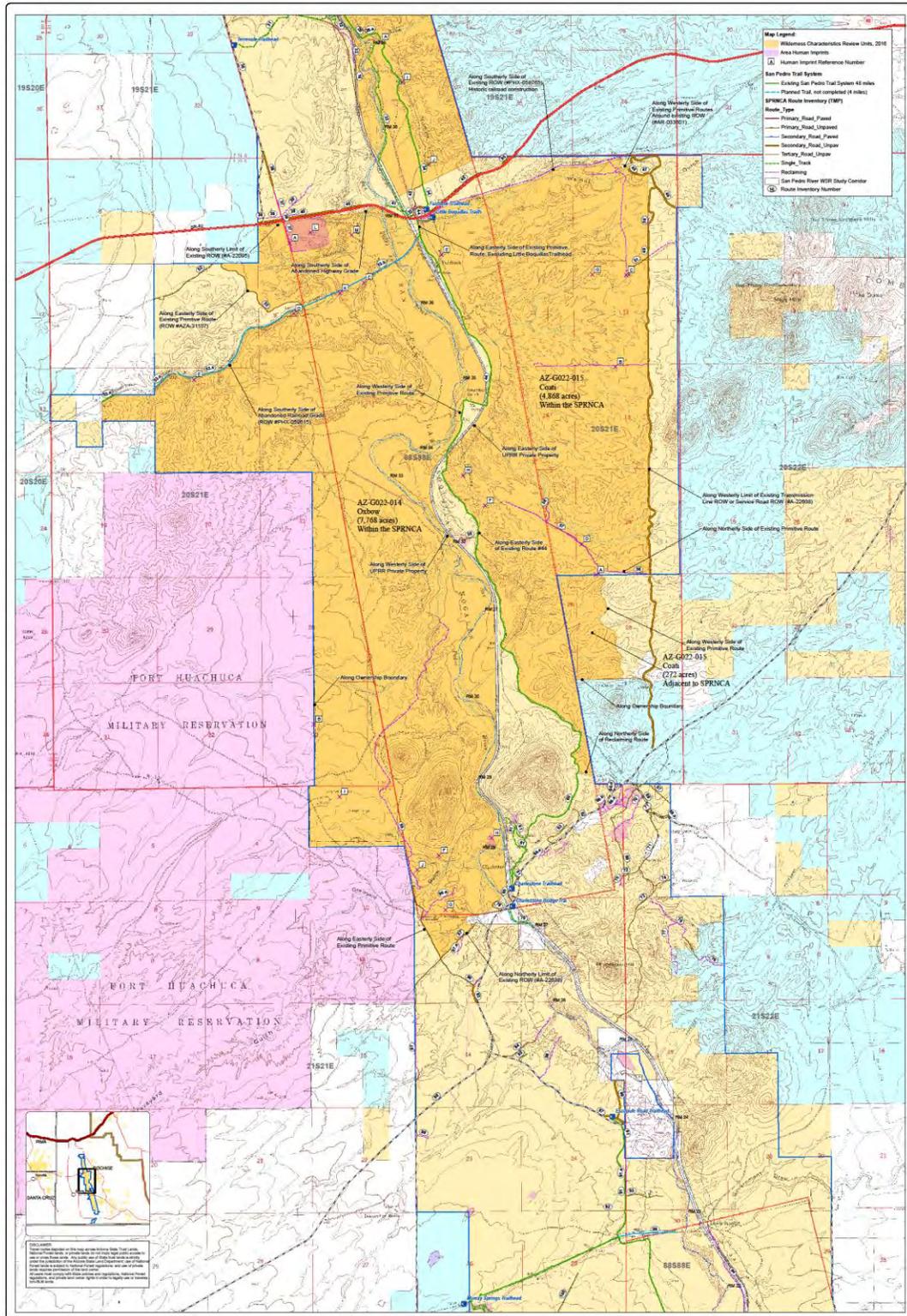
¹ San Pedro Proper Functioning Condition Assessment, 2012.

The unit includes the following man-made features which are shown on Map 1b and cross-referenced in Table 8:

Table 8: Human Imprints, AZ-G022-014- Oxbow.

ID	Latitude	Longitude	Comment
A	31.71862560	- 110.20912362	Grazing allotment boundary fence.
B	31.65168889	- 110.20576944	SPRNCA boundary fence on the unit's boundary, and other locations.
C	31.71305278	- 110.19710556	A historic railroad grade, (ROW #PHX-059615, 200 ft. total width) up the Babocomari River. The railroad grade is part of the designated San Pedro Trail system, but the route has not been improved or maintained from the River west to the canyon (route BLM#53.b). These routes are not analyzed due to their reclaimed condition.
D	31.70880278	- 110.20855000	A part of the historic railroad grade along Babocomari River, used for vehicle access for administrative purposes related to stream flow and range monitoring forms the boundary BLM #53.
E	31.69971667	- 110.22484444	A stream gauge (maintained and operated by the U.S Geological Survey) along route BLM #53.
F	31.63331389	- 110.18560000	Historic travel routes in reclaimed condition.
G	31.62573611	- 110.18460833	Historic travel routes in reclaimed condition.
H	31.63564722	- 110.17702500	Remnants of the Charleston historic townsite.
I	31.64155833	- 110.20169722	Historic range targets associated with Fort Huachuca military training activities in the 1940's, multiple locations in this vicinity. This area is in the remediation planning process to mitigate unexploded ordnance hazards.
J	31.63130000	- 110.18914167	Historic mineral exploration excavations in the vicinity of Charleston Hills, trenches, in reclaimed condition, multiple locations.
K	31.71159167	- 110.20100000	Borrow area/quarry for historic railroad construction, reclaimed.
L	31.72005000	- 110.20577500	Woodland clearing/thinning, revegetating.
M	31.71966389	- 110.19905278	Reclaiming constructed grade from State Route (SR) 92 to Babocomari and San Pedro Rivers, about 0.25 mile.





United States Department of the Interior
 Bureau of Land Management
 5164 Chino, Tucson Field Office
 3201 N. Country Club Way
 Tucson, AZ 85718
 06/15/18

General Land Ownership:
 BLM Private
 Military State

Map Legend:
 State of Federal Highways
 County Maintained Road

San Pedro Riparian National Conservation Area

Map 1b. Wilderness Characteristics Inventory (Middle)

This map shows the areas evaluated for the presence or absence of wilderness characteristics in the San Pedro Riparian National Conservation Area Resource Management Planning Planning Area.

(3) Does the have outstanding opportunities for solitude? **Yes**

Description: The unit's rolling topography, basins along drainages and ridges, and vegetation create secluded places where opportunities for solitude are found. The non-motorized travel access required, and distance from access points create a remote area with low visitor use and outstanding opportunities to get away from others and infrequent encounters.

There is no designated trail in this unit, or trailhead on the west side of the River, and existing access points along Charleston Road are closed by locked gates, open for administrative vehicles only. The San Pedro Trail generally parallels the eastern boundary on the east side of the Union Pacific Railroad. Access to the area is by cross country travel, or by historic travel routes, and visitation is generally low, particularly in the uplands.

(4) Does the area have outstanding opportunities for primitive and unconfined recreation? **Yes**

Description: The unit provides a relatively expansive area of rolling landscape, undeveloped with access limited to non-motorized travel (see Photopoint 17). There are no designated trails or trailheads access, and recreational use is by cross country travel or on historic travel routes in unmaintained, reclaiming condition. Recreational opportunities include hiking, horseback riding, back country camping, viewing wildlife, viewing natural scenery and a variety of native upland and riparian vegetation, viewing historic sites and remnants of buildings, historic transportation features, and historic range targets, hunting (subject to AZGFD restrictions), and wading/swimming in the river. River flows are perennial, but the water quality is in impaired condition for water contact².

(5) Does the area have supplemental values **Yes**

Description: This inventory unit is in the SPRNCA, and has examples of the resource values the conservation area was established for, including riparian and upland wildlife habitat, cultural and historic features with scientific and educational resource value.

This unit contains particularly important breeding and foraging habitat for the gray hawk, a BLM species of concern. Preference of this area by the gray hawk is due to its lack of disturbing activities, the Fremont Cottonwood/ Gooding Willow galleries, which include trees of sufficient size for nesting, and due to the mature mesquite bosque which is used for foraging. Yellow-billed Cuckoo, a BLM species of concern and a U.S. Fish and Wildlife (USFWS) proposed endangered species, also occupies this area. The yellow-billed cuckoo prefers nesting in cottonwood, mesquite, hackberry or tamarisk and is associated with dense riparian habitat in the unit. A variety of other avian species also use and depend on this habitat type, including the Bell's vireo, a BLM species of Concern, and the Lucy's warbler.

² See SPRNCA RMP EIS AMS, 2016

Huachuca water umbel, an aquatic plant species listed as endangered by the USFWS occurs in the San Pedro River in the unit. The aquatic habitat also supports two of the last remaining native fish species, the longfin dace and desert sucker, found in the SPRNCA.

Historical and archeological values in this unit include remnants of the Boston Mill, the Battle of the Bulls site, a Mormon Battalion Wagon Road, the Chinese Gardens site, and the historic mining town Charleston (see Photopoint #10). Protohistoric values include Sobaipuri occupation – 1450 to 1769 (Gaybanipitea, see Photopoint 8 & 9) with villages, agricultural fields and burial sites. Prehistoric values include the Cochise culture- 8000 BP to AD 1 and the Mogollon, Hohokam and Salado Occupation – AD 1 to 1450.

Locally unique geologic features of educational and scientific interest include the Charleston Hills, composed of bedrock forms the Charleston 'Narrows' and a geologic shunt creating a groundwater basin which contributes to perennial river flows particularly upstream of the 'Narrows'. Another locally unique feature is a mile and a half long oxbow meander in the river (see Photopoint 18 & 19). The lateral channel migration across the floodplain can be seen in the layers of previous channels in this oxbow.

1 **Summary of Analysis**

2
3 Area Unique Identifier: AZ-G022-014 Oxbow

4
5 Results of analysis: Wilderness characteristics are present in this unit.

6
7 1. Does the area meet any of the size requirements? Yes

8
9 2. Does the area appear to be natural? Yes

10
11 3. Does the area offer outstanding opportunities for solitude or a primitive and unconfined type
12 of recreation? Yes

13
14 4. Does the area have supplemental values? Yes

15
16 The area, or a portion of the area, has wilderness characteristics and is identified as lands
17 with wilderness characteristics (LWC).

18
19 The area does not have wilderness characteristics.

20
21 **Prepared by (Team Members):**

22 Jim Mahoney, BLM Outdoor Recreation Planner (August 2015 Draft)

23 Heather Swanson, BLM Natural Resources Specialist (August 2015 Draft)

24 Francisco Mendoza, BLM Outdoor Recreation Planner (May 2016 Final)

25 Ken Mahoney, Arizona BLM National Conservation Lands Program Lead (Primary reviewer of
26 August 2015 and May 2016 Inventories)

27
28 **Reviewed by (District of Field Manager)**

29
30 Name:  Title: TUCSON FIELD MANAGER

31
32 Date: 5/11/2016

33
34 This form documents information that constitutes an inventory finding on wilderness
35 characteristics. It does not represent a formal land use allocation or a final agency decision
36 subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.

37

ROUTE ANALYSIS**Summary Route Analysis**Inventory Unit: AZ-G022-014 – Oxbow

Table 9 below lists the travel routes that affect the inventory unit's roadlessness, and the summary determination on whether the route meets the criteria for a 'road' for wilderness inventory purposes, as described in each route's analysis.

Table 9: Travel Routes.

Route Id. No.	Construction by Mechanical Means?	Maintenance by Mechanical Means?	Regular and Continuous Use?	Wilderness Inventory Road?
BLM #53	Yes	Yes	Yes	Yes
BLM #53.a	Yes	Yes	Yes	Yes
BLM #53.b	Yes	No	No	No
BLM #37	Yes	No	No	No
BLM #44	Yes	Yes	Yes	Yes
BLM #59	Yes	No	No	No
BLM #96	Yes	Yes	Yes	Yes
BLM #97	Yes	Yes	Yes	Yes
BLM #96.a	Yes	No	No	No

Notes:

The Route Analysis forms describe the factors considered in determining whether a route is a 'road' for wilderness characteristics inventory purposes. The forms contain footnotes which clarify the purpose of the route analysis, and the criteria used in the determination.

The foot notes for the forms are listed below:

¹ This form documents information that constitutes an inventory finding on wilderness characteristics. It does not represent a formal land use allocation or a final agency decision subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.

² Road: An access route which has been improved and maintained by mechanical means to insure relatively regular and continuous use. A way maintained solely by the passage of vehicles does not constitute a road.

a. Improved and maintained – Actions taken physically by people to keep the road open to vehicle traffic. "Improved" does not necessarily mean formal construction. "Maintained" does not necessarily mean annual maintenance.

b. Mechanical means – Use of hand or power machinery or tools.

c. Relatively regular and continuous use – Vehicular use that has occurred and will continue to occur on a relatively regular basis. Examples are: access roads for equipment to maintain a stock water tank or other established water sources, access roads to maintained recreation sites or facilities, or access roads to mining claims.

³ If a portion of a route is found to meet the wilderness inventory road criteria (see Part III) and the remainder does not meet these criteria (e.g., a cherry stem road with a primitive route continuing beyond a certain point), identify each segment and explain the rationale for the separate findings under pertinent criteria.

⁴ The purpose of a route is not a deciding factor in determining whether a route is a road for wilderness characteristics inventory purposes. The purpose of a route does provide context for factors on which such a determination may be based, particularly the question of whether maintenance of the route ensures relatively regular and continuous use. The purpose also helps to determine whether maintenance that may so far have been unnecessary to ensure such use would be approved by BLM when the need arises.

⁵ Good conditions would be conditions that ensure regular and continuous use relative to the purposes of the route. Consider whether the route can be clearly followed in the field over its entire course and whether all or any portion of the route contains any impediments to travel.

⁶ Include estimate of travel rates for the stated purposes, e.g., trips/day or week or month or season or year or even multiple years in some facility maintenance cases.

⁷ If part of the route meets the wilderness inventory road definition and the remainder does not, describe the segment meeting the definition and any remaining portion not meeting the definition and why.

⁸ Describe and explain rationale for any discrepancies with citizen proposals.

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-014 - Oxbow

Route or Route Segment³ Name and/or Identifier: Babocomari Route (BLM #53)

I. LOCATION:

This route forms part of the northwest boundary of the inventory unit (31°42'42.51"N, 110°12'54.76"W). Access is from SR 82 across State Trust land.

Describe: Single lane primitive route, natural surface, approximately 1.1 miles in length and about 10 to 12-foot wide. The route connects to BLM#53.a along the Babocomari River. Photo points 3, 6 and 7 show gauging station, landscape from the end of road and condition of road going to gauging station.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: The route provides administrative vehicle access for water resources monitoring by USGS, and for BLM range management purposes in the Babocomari grazing allotment. It also provides non-motorized recreational access.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **Yes**
2. If yes, what is the stated purpose of the ROW? **Ingress and egress to an existing gauging station.**
3. Is the ROW still being used for this purpose? **Yes**

Explain: This route is under an existing ROW held by USGS (ROW# AZA-31107). Vehicles are used on the route infrequently to maintain equipment at the USGS gauging station (approximately twice a year).

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:
Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved___ Bladed__X_ Graveled___ Roadside Berms___ Cut/Fill__X_ Other ___

Describe: The route was constructed on hillside topography, requiring cuts and fills.

2. Improvements: (Is there evidence of improvements using mechanical means to facilitate access?)

No If "yes": by Hand Tools___ by Machine___

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: N/A

B. Maintenance: (Is there evidence of maintenance that would ensure relatively regular and continuous use?): **Yes.**

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes If "yes": by Hand Tools __X_ by Machine ___

Explain: The terms and conditions of the ROW provide for maintenance of the route. Hand tools have been used to clear vegetation.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes

Explain: The terms and conditions of ROW AZA-301107 provide for maintenance with hand tools and chain saws on either side eight feet from the middle of the road.

C. Relatively regular and continuous use: **Yes**

Describe evidence

The route is used to access the USGS water gauging station. Estimated travel use is approximately twice a year.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road?

Yes X = Wilderness Inventory Road No ___ = Not a road for wilderness inventory purposes

Explanation⁸: There is no substantive discrepancy with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

(

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-014 - Oxbow

Route or Route Segment³ Name and/or Identifier: Babocomari Route (BLM #53.a)

I. LOCATION:

This route forms part of the northwest boundary of the inventory unit. Access is from SR 82 across State Trust land via BLM #53.

Describe: Single lane primitive route on historic railroad grade, natural surface, approximately 2 miles in length and about 10-foot wide.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: The route provides administrative vehicle access for water resources monitoring by USGS, and for BLM range management purposes in the Babocomari grazing allotment. It also provides non-motorized recreational access. It is part of the designated San Pedro Trail system, but trail plans have not been implemented.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **Yes**
2. If yes, what is the stated purpose of the ROW? **Ingress and egress to an existing gauging station.**
3. Is the ROW still being used for this purpose? **Yes**

Explain: This route is under an existing ROW held by the USGS (ROW# AZA-31107). Vehicles are used on the route infrequently to maintain equipment at the USGS gauging station (approximately twice a year). The route is also a historic railroad ROW (PHX-059615, 200-foot total width). The railroad is abandoned and no track exists.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:
Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: *(Is there evidence that the route or route segment was originally constructed using mechanical means?)* **Yes**

Examples: Paved___ Bladed **X** Graveled___ Roadside Berms___ Cut/Fill **X** Other ___

Describe: The route was constructed for historic railroad in canyon topography, requiring cuts and fills, and drainage crossings.

2. Improvements: *(Is there evidence of improvements using mechanical means to facilitate access?)*

Yes If "yes": by Hand Tools___ by Machine___

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: Remnants of bridges and culverts present.

B. Maintenance: **Yes.**

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes If "yes": by Hand Tools **X** by Machine ___

Explain: Hand tools have been used to clear vegetation.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes

Explain: The terms and conditions of ROW AZA-301107 approve maintenance by means of hand tools and chain saws on either side eight feet from the middle of the road. Portions are extremely overgrown with vegetation that could severely scratch a vehicle.

C. Relatively regular and continuous use: **Yes**

Describe evidence

The route is infrequently used for access to the USGS water gauging station, and for range management purposes. The estimated annual use is less than 20 trips total.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road *(i.e., are items III.A and III.B and III.C all checked yes)?*

Yes **X** = Wilderness Inventory Road No ___ = Not a road for wilderness inventory purposes

Explanation⁸: There is no substantive discrepancy with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-014 - Oxbow

Route or Route Segment³ Name and/or Identifier: Babocomari Route (BLM #53.b)

I. LOCATION:

This route is in the northern part of the inventory unit. Access is from SR 82 across State Trust land via BLM#53.

Describe: Reclaiming historic railroad grade, natural surface, approximately 1.25 miles in length and less than 10 ft. wide (overgrown).

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: The route is part of the designated San Pedro Trail system, with a connection near the Little Boquillas trailhead. The trail plan has not been implemented on this connection, and the route is reclaiming and overgrown.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **Yes**

2. If yes, what is the stated purpose of the ROW? **Railroad.**

3. Is the ROW still being used for this purpose? **No**

Explain: This route is under an existing ROW (PHX-059615, 200-foot total width) for a now abandoned railroad. The ROW is under review by the BLM Solicitor to determine its status.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved___ Bladed__**X**_ Graveled___ Roadside Berms___ Cut/Fill__**X**_ Other ___

Describe: The route was constructed for historic railroad in canyon topography, requiring cuts and fills, and drainage crossings.

2. Improvements: *(Is there evidence of improvements using mechanical means to facilitate access?)*

Yes If "yes": by Hand Tools ___ by Machine **X**

Examples: Culverts ___ Hardened Stream Crossings ___ Bridges **X** Drainage ___ Barriers ___
Other ___

Describe: Remnants of bridge abutments are present.

B. Maintenance: **No.**

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If "yes": by Hand Tools ___ by Machine ___

Explain: Hand tools have been used to clear vegetation.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

No

Explain: Maintenance and improvement to implement the San Pedro Trail plan would be approved. No maintenance would be approved for vehicle access purposes.

C. Relatively regular and continuous use: **No.**

Describe evidence:

The route is reclaiming and not being used.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road *(i.e., are items III.A and III.B and III.C all checked yes)?*

Yes ___ = Wilderness Inventory Road No **X** = Not a road for wilderness inventory purposes

Explanation⁸: There is no substantive discrepancy with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-014 - Oxbow

Route or Route Segment³ Name and/or Identifier: Route (BLM #37)

I. LOCATION:

This route is in the northwest part of the inventory unit (31°43'2.61"N, 110°12'31.22"W). Access is from SR 82.

Describe: Single lane primitive route, natural surface, approximately 0.5 mile in length and about 8 to 10-foot wide.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: The route provides access to the SPRNCA boundary fence of the land San Rafael del Valle land grant. No administrative vehicle access purposes have been identified.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? No
2. If yes, what is the stated purpose of the ROW? N/A
3. Is the ROW still being used for this purpose? N/A

Explain: N/A.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved ___ Bladed **X** Graveled ___ Roadside Berms ___ Cut/Fill **X** Other ___

Describe: Given its location on hillside topography and alignment, this route was likely built for fence construction.

2. Improvements: *(Is there evidence of improvements using mechanical means to facilitate access?)*

No If "yes": by Hand Tools ___ by Machine ___

Examples: Culverts ___ Hardened Stream Crossings ___ Bridges ___ Drainage ___ Barriers ___
Other ___

Describe: N/A

B. Maintenance: **No.**

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If "yes": by Hand Tools ___ by Machine ___

Explain: N/A.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

No

Explain:

C. Relatively regular and continuous use: **No**

Describe evidence

The route is reclaiming, and the travelway is revegetating.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road (*i.e., are items III.A and III.B and III.C all checked yes*)?

Yes ___ = Wilderness Inventory Road No **X** = Not a road for wilderness inventory purposes

Explanation⁸: There is no substantive discrepancy with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (May 2016)

Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-014 - Oxbow

Route or Route Segment³ Name and/or Identifier: Route (BLM #44)

I. LOCATION: (

This route is in the northeastern part of the inventory unit (31°41'37.04"N, 110°10'52.95"W), and defines the boundary between private land defined segments in the Boquillas Ranch headquarters vicinity. Access is from SR 82 from the Little Boquillas trailhead, and from Charleston Road from the Millville trailhead.

Describe: Single lane primitive route, natural surface, approximately 0.75 mile in length and about 8 to 10-foot. wide. This route is a segment of the San Pedro Trail.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: The route provides vehicle access for administrative purposes from the Boquillas Ranch headquarters south. It is part of the designated San Pedro Trail system for recreational non-motorized public travel to the Millville trailhead. The route provides access to sites of historic and educational interest.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW? **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: The route requires crossing the patented Union Pacific Railroad ROW. Permission has not been granted for the trail crossings.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved___ Bladed_ **X** Graveled___ Roadside Berms___ Cut/Fill_ **X** Other ___

Describe: The route was built before the SPRNCA was established.

2. Improvements: *(Is there evidence of improvements using mechanical means to facilitate access?)*

No If “yes”: by Hand Tools___ by Machine___

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: N/A

B. Maintenance: **Yes.**

Yes (if either B.1 or B.2 is checked “yes” below) No (if both B.1 and B.2 are checked “no” below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes If “yes”: by Hand Tools **X** by Machine ___

Explain: Part of the route is maintained for access to the administrative site at Boquillas Ranch headquarters. The route is also maintained for non-motorized trail purposes.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes

Explain: Maintenance would be authorized for non-motorized trail purposes, and limited maintenance and spot repairs would be likely approved for administrative motor vehicle access.

C. Relatively regular and continuous use: *(Does the route or route segment ensure relatively regular and continuous use?)*

Yes

Describe evidence

The route is used by administrative vehicles as needed. It is lightly to heavily used by equestrians and hikers from the Little Boquillas trailhead.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road *(i.e., are items III.A and III.B and III.C all checked yes)?*

Yes **X** = Wilderness Inventory Road No ___ = Not a road for wilderness inventory purposes

Explanation⁸: This route is not described in the citizen’s proposal received in February 2016.

Evaluator(s):

Date: (May 2016)

Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-014 - Oxbow

Route or Route Segment³ Name and/or Identifier: Route (BLM #59)

I. LOCATION

This route is in the southwestern part of the inventory unit (31°38'28.33"N, 110°11'41.14"W), north of Graveyard Gulch. Access is from Charleston Road via BLM#96 and other routes. It forms a short section of the unit's boundary.

Describe: Single lane primitive route, natural surface, approximately 3.2 miles in length and about 8 to 10-foot wide, in reclaiming condition.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: The route is in largely reclaiming condition. It receives light use for hiking, and ATV. The route provides access to part of the Fort Huachuca military training exercises area in the 1940s, and a remediation plan is being developed to remove unexploded ordnance hazards. The route is reportedly the historic road used by the Mormon Battalion along the San Pedro River to St. David.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW? **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: N/A

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved___ Bladed **X** Graveled___ Roadside Berms___ Cut/Fill **X** Other ___

Describe: Given its location and alignment on sloping topography, this route was built with equipment. The route predates the SPRNCA.

2. Improvements: *(Is there evidence of improvements using mechanical means to facilitate access?)*

No If “yes”: by Hand Tools ___ by Machine ___

Examples: Culverts ___ Hardened Stream Crossings ___ Bridges ___ Drainage ___ Barriers ___
Other ___

Describe: N/A

B. Maintenance: *(Is there evidence of maintenance that would ensure relatively regular and continuous use?)*: **No.**

Yes (if either B.1 or B.2 is checked “yes” below) No (if both B.1 and B.2 are checked “no” below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If “yes”: by Hand Tools ___ by Machine ___

Explain: N/A

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

No.

Explain: If a future need for administrative vehicle access is identified, minimal maintenance and spot repairs would likely be approved for remediation of unexploded ordnance.

C. Relatively regular and continuous use: *(Does the route or route segment ensure relatively regular and continuous use?)* **No**

Describe evidence:

The route is receives light use related to dispersed recreation activities (hiking).

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road *(i.e., are items III.A and III.B and III.C all checked yes)?*

Yes ___ = Wilderness Inventory Road No **X** = Not a road for wilderness inventory purposes

Explanation⁸: This route is not described in the citizen’s proposal received in February 2016.

Evaluator(s):

Date: May 2016

Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-014 - Oxbow

Route or Route Segment³ Name and/or Identifier: Route (BLM #96)

I. LOCATION:

This route is in the southern part of the inventory unit (31°37'24.16"N, 110°11'16.73"W), south of Graveyard Gulch. It provides access to BLM#59, and forms part of the unit's boundary. Access is from a turnout on a historic alignment of Charleston Road (BLM #83), which serves as an informal trailhead (31°36'54.65"N, 110°10'48.39"W).

Describe: Single lane primitive route, natural surface, approximately 1 mile in length and about 8 to 10-foot wide, in reclaiming condition.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: The route provides access to historic mining exploration activity and the Fort Huachuca military training exercises area in the 1940's, and a remediation plan is being developed to remove unexploded ordnance hazards. The route is part of the historic route used by the Mormon Battalion along the San Pedro River to St. David. It also provides access to part of the BLM Brunchow Hill grazing allotment (#5251)

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **Yes**
2. If yes, what is the stated purpose of the ROW? **Access to electric transmission line**
3. Is the ROW still being used for this purpose? **Yes**

Explain: The portion of the route between Charleston Road and route BLM #97 is under ROW #A-22638 to provide access to the electric transmission line.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:
Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved___ Bladed___**X** Graveled___ Roadside Berms___ Cut/Fill___**X** Other ___

Describe: Given its location and alignment on sloping topography, this route was built with equipment. The route predates the SPRNCA.

2. Improvements: (*Is there evidence of improvements using mechanical means to facilitate access?*)

No If "yes": by Hand Tools___ by Machine___

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: N/A

B. Maintenance: **Yes.**

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If "yes": by Hand Tools ___ by Machine ___

Explain: N/A

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes.

Explain: Route maintenance and spot repairs would be approved in accordance with the terms and conditions of ROW A-22638, or if needed for access to the Fort Huachuca ordnance remediation activities.

C. Relatively regular and continuous use: (*Does the route or route segment ensure relatively regular and continuous use?*)

Yes

Describe evidence

Based on tracks observed during the SPRNCA route inventory, the route receives light use by 4WD and ATV.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road (*i.e., are items III.A and III.B and III.C all checked yes?*)?

Yes = Wilderness Inventory Road No = Not a road for wilderness inventory purposes

Explanation⁸: This route is not described in the citizen's proposal received in February 2016.

Evaluator(s):

Date: May 2016

Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

(

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-014 - Oxbow

Route or Route Segment³ Name and/or Identifier: Route (BLM #97)

I. LOCATION:

This route is the southern boundary of the inventory unit (31°37'12.44"N, 110°11'3.10"W). Access is from Charleston Road

Describe: Single lane primitive route, natural surface, approximately 0.5 miles in length and about 8 to 10-foot wide in an existing electric transmission line right of way.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: The route provides access to an existing electric transmission line crossing the SPRNCA generally along the north side of Charleston Road.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **Yes**
2. If yes, what is the stated purpose of the ROW? **Electric transmission line.**
3. Is the ROW still being used for this purpose? **Yes**

Explain: ROW # A-22638, 20 ft. total width. The route leaves the electric line alignment in places.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved___ Bladed **X** Graveled___ Roadside Berms___ Cut/Fill **X** Other ___

Describe: This route was built with equipment for construction of the electric transmission line. The route predates the SPRNCA.

2. Improvements:

No If "yes": by Hand Tools ___ by Machine ___

Examples: Culverts ___ Hardened Stream Crossings ___ Bridges ___ Drainage ___ Barriers ___
Other ___

Describe: N/A

B. Maintenance:

Yes.

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If "yes": by Hand Tools ___ by Machine ___

Explain: N/A

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes.

Explain: The terms and conditions of the ROW authorize maintenance of the service road if needed to maintain and operate the electric transmission line.

C. Relatively regular and continuous use: Yes

Describe evidence

Based on tracks observed during the route inventory, and given its purpose for the term of the existing ROW, this route will continue to receive light use by 4WD and ATV, and will be occasionally maintained to accommodate line trucks for electric line or pole repairs or maintenance. Use of the route is infrequent, but essential for the maintenance and operation of the electric powerline.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road

Yes X = Wilderness Inventory Road No ___ = Not a road for wilderness inventory purposes

Explanation⁸: This route is not described in the citizen's proposal received in February 2016.

Evaluator(s):

Date: May 2016.

Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-014 - Oxbow

Route or Route Segment³ Name and/or Identifier: Route (BLM #96.a)

I. LOCATION:

This route is the southwestern part of the inventory unit (31°37'34.29"N, 110°11'13.21"W). Access is from Charleston Road via route BLM #96 and 59.

Describe: Single lane primitive route, natural surface, approximately 0.5 mile in length and about 8 to 10-foot wide in reclaiming condition.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: This route is in reclaiming condition with revegetation in the travelway. The route ends at a disturbed site that has revegetated on a reconveyed mining claim (31°37'44.54"N, 110°10'58.05"W). A fork extends to the river valley, the grade is fully revegetated and is indiscernible beyond the edge of a sacaton field. The route provides access to part of the Fort Huachuca Military training exercise area used in the 1940s. A remediation plan is being developed by the U.S. Army to remove unexploded ordnance hazards in the area. No specific access purpose has been identified for this route.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW? **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: N/A.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved___ Bladed **X** Graveled___ Roadside Berms___ Cut/Fill **X** Other ___

Describe: This route appears to have been built in connection with historic mining related activities.

2. Improvements: (*Is there evidence of improvements using mechanical means to facilitate access?*)

No If "yes": by Hand Tools___ by Machine___

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: N/A

B. Maintenance: **No.**

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If "yes": by Hand Tools ___ by Machine ___

Explain: N/A

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

No.

Explain: The route is essentially reclaimed by natural processes. If foot or horse access by cross country travel is inadequate for authorized land use activities, the route could be reopened under a project specific plan and NEPA review.

C. Relatively regular and continuous use: **No.**

Describe evidence

This route is in essentially reclaimed condition and use by motorized vehicles is likely to cause resource damage. The land use activities that led to this route no longer exist.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road (*i.e., are items III.A and III.B and III.C all checked yes*)?

Yes ___ = Wilderness Inventory Road No **X** = Not a road for wilderness inventory purposes

Explanation⁸: There is no substantive discrepancy with the citizen's proposal received in February 2016.

Evaluator(s):

Date: May 2016.

Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY

APPENDIX D – PHOTO LOG

Photographer(s): Jim MahoneyInventory Area Unique Identifier AZ-G022-014—Oxbow**Table 10: Photo Log**

Date	Frame #	Camera Direction	Description	GPS/UTM Location	Photo Point #
5/31/13	1829 & 1830 merged	SE	Babocomari River and upland	GPS NAD 83 12R0573444/ 3507458	1
5/31/13	1825-1828 merged	SW	Babocomari River with upland	GPS NAD 83 12R0573444/ 3507458	2
5/31/13	1839-1842	E	Dragoon Mountains/Babocomari River/Cherry Stem Road to gauging station (BLM #53.b)	GPS NAD 83 12R0573883/ 3507560	3
5/31/13	1810	NW	Babocomari River	GPS NAD 83 12R0573285/ 3507437	4
5/31/13	1834	S	Babocomari River	GPS NAD 83 12R0573444/ 3507458	5
5/31/13	1823	W	End of Cherry-stemmed Route to USGS Gauging Station (BLM #53)	GPS NAD 83 12R0573239/ 3507527	6
5/31/13	1837	W	Cherry-stemmed Route Accessing USGS Gauging Station (BLM #53)	GPS NAD 83 12R0573444/ 3507458	7
6/2/04	N/A	N/A	Mortar, Site of Gaybanepiteya	Location not disclosed	8
6/2/04	N/A	W	Gaybanipitea	Location not disclosed	9
2/26/10	N/A	N	Charleston town site	31°38'03.53"N 110°10'39.18"W	10

Oxbow Unit

7/12/13	N/A	NW	San Pedro River at the Charleston Narrows	31°38'12.03"N 110°10'30.78"W	11
4/9/12	N/A	NW	Landscape from Southern Boundary of Oxbow Area	31°37'41.18"N 110°10'31.64"W	12
1/22/14	2371	W	Oxbow grasslands & Uplands	31°41'27.48"N 110°11'46.48"W	13
1/22/14	2375 & 2377 merged	S	Grasslands & Uplands; San Pedro River on left, in the Oxbow	31°41'27.48"N 110°11'46.48"W	14
1/22/14	2369 to 2372 merged	W	Native Grasslands & Uplands in the Oxbow	31°41'27.48"N 110°11'46.48"W	15
10/12/12	Camera clearance 036	E	Diamondback Rattlesnake Along San Pedro River	31°42'13.34"N 110°10'54.98"W	16
2/9/08	N/A	S	San Pedro River North of Charleston and Unconfined Recreation	31°38'56.51"N 110°10'35.19"W	17
4/6/13	N/A	N	Google Earth Imagery of the Oxbow Area	31°41'17.95"N 110°11'27.05"W	18
4/6/13	N/A	N	Google Earth Imagery of The Oxbow	31°41'14.89"N 110°11'26.59"W	19



Figure 1: Babocomari River and Uplands



Figure 2: Babocomari River and Uplands



Figure 3: Dragoon Mountains/Babocomari River/Cherry Stem Road to USGS Gauging Station (BLM #53.b)



Figure 4: Babocomari River



Figure 5: Babocomari River



Figure 6: End of Cherry-stemmed Route to USGS Gauging Station (BLM #53)



Figure 7: Cherry-stemmed Route Accessing USGS Gauging Station (BLM #53)



Figure 8: Mortar, Site of Gaybanepiteya

AZ--G022--014--Oxbow--Photopoint #9



Figure 1: Mortar, Site of Gaybanepiteya



Figure 10: Charleston Townsite



Figure 21: San Pedro River at the Charleston Narrows

AZ--G022--014--Oxbow--Photopoint #12



Figure 32: Landscape from Southern Boundary of Oxbow Area

AZ--G022--014--Oxbow--Photopoint #13



Figure 13: Native Grasslands in the Oxbow, and Uplands

AZ--G022--014--Oxbow--Photopoint #14



Figure 44: Grasslands & Uplands; San Pedro River on left, in the Oxbow

AZ--G022--014--Oxbow--Photopoint #15



Figure 55: Native Grasslands & Uplands in the Oxbow



Figure 66: Diamondback Rattlesnake along San Pedro River



Figure 77: San Pedro River North of Charleston and Unconfined Recreation

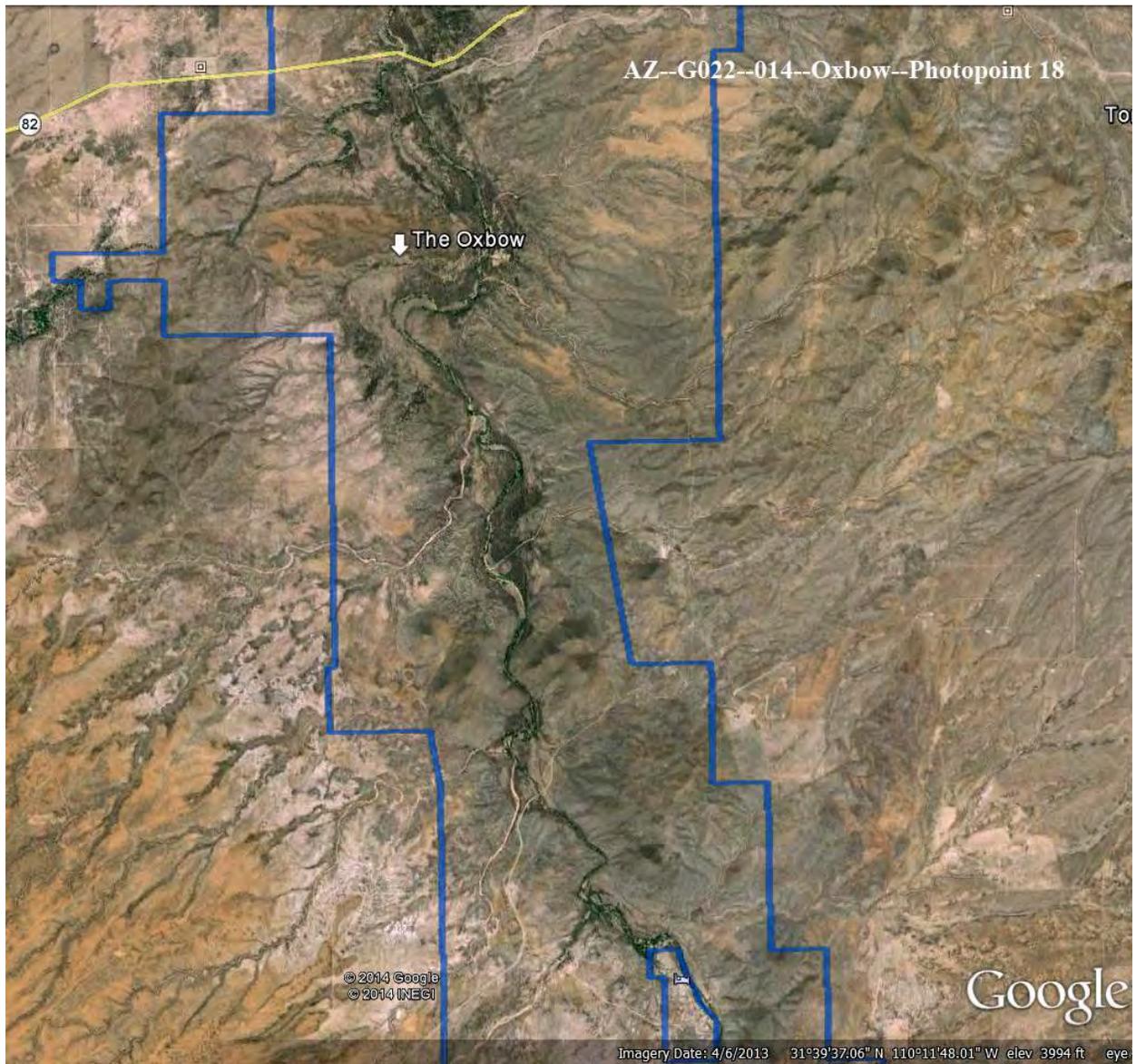


Figure 18: Google Earth Imagery of the Oxbow Area



Figure 19: Google Earth Imagery of the Oxbow

FORM 2-**Current Conditions: Presence or Absence of Wilderness Characteristics**

Area Unique Identifier: AZ-G022-015 "Coati Wash"

Acreage: 5,140

(1) Is the area of sufficient size? **Yes**

Description:

The north boundary of this unit is the south limit of a historic railroad right of way (Right of Way [ROW] PHX-058765, 200-foot total width), and access routes around the USGS Walnut Gulch study project (ROW AR-033001). The east boundary is the existing electric transmission line ROW (A-22638, 90-foot. total width), or the transmission line service road (ROW A-22638, 20-foot. total width), which deviates from the transmission line ROW due to topography. The west boundary is the eastern limit of the patented Union Pacific Railroad ROW. The southern boundary follows land ownership boundaries and existing travel routes that meet the criteria for a wilderness road (see route analysis). Photopoint 10 shows landscape along the boundary route north of Charleston hills.

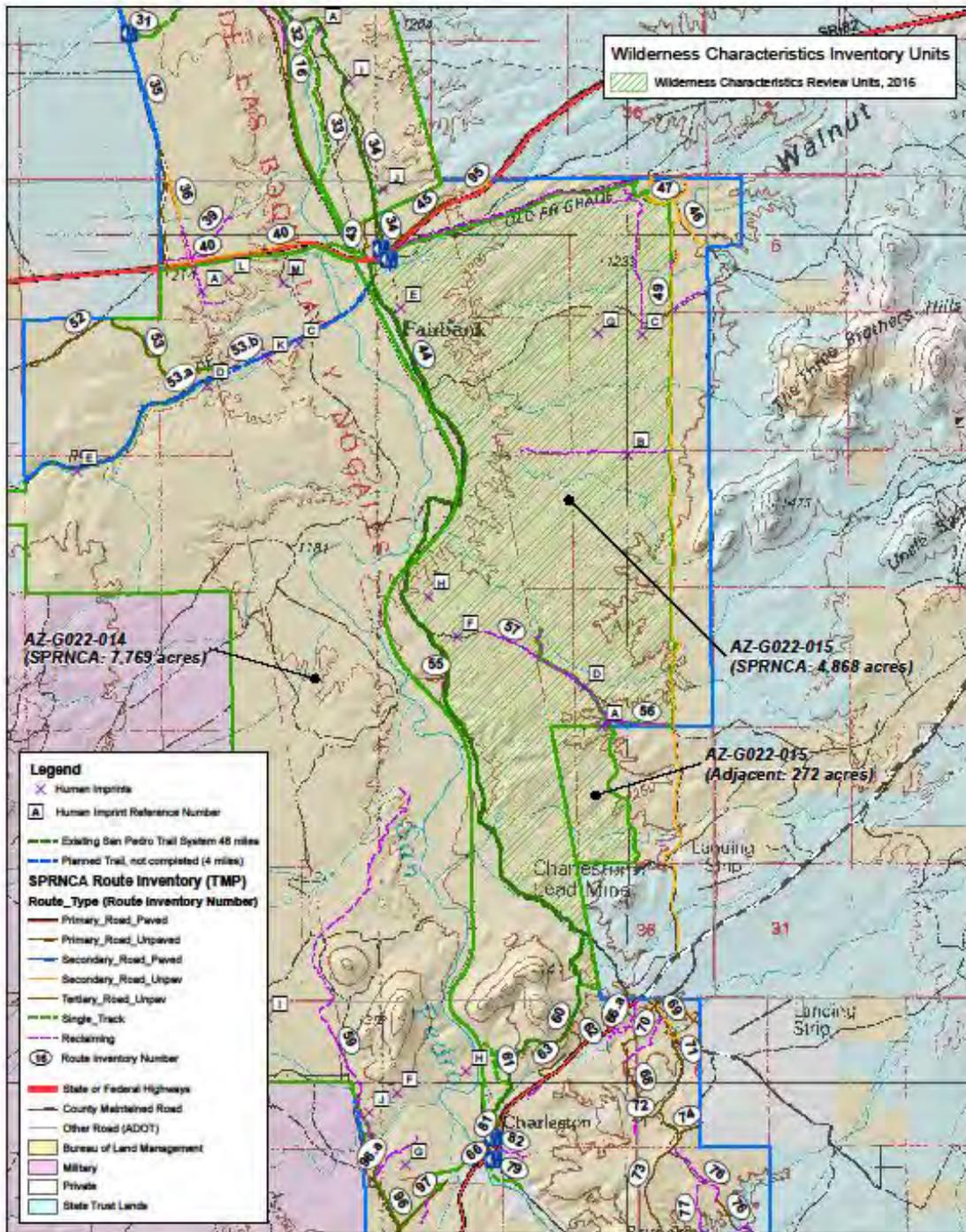
The 5,140 acres in this unit include approximately 4,868 acres of Bureau of Land Management (BLM) land in the SPRNCA, and approximately 272 acres of adjacent land evaluated as part of a contiguous block.

The inventory unit is shown on Map 4- Inventory Unit AZ-G022-015-Coati

(2) Does the area appear to be natural? **Yes**

Description: This unit includes BLM land within the San Pedro Riparian National Conservation Area (SPRNCA), and a parcel of adjacent land. The BLM land is bordered by Arizona State Trust land.

The terrain this unit includes portions of the San Pedro River valley and upland slopes rising to the Three Brothers Hills east of the SPRNCA. The elevation ranges from approximately 3,800 to 4,200 feet. The unit is highly dissected by steep sided drainages and rolling ridges and terraces with low hills. Major drainages in the unit include Walnut Gulch, Coati Wash, and Three Brothers Wash. Vegetation in the river valley includes mesquite bosque with mixed hackberry, sacaton grassland, mountain shrub/cacti, forbs and grasses. Vegetation along major tributaries includes willow, ash, and seep willow. Vegetation in the uplands includes white-thorn acacia/creosote/native mixed grass uplands. Portion of the unit is under existing permits for cattle grazing (Lucky Hills, #6252, Three Brothers, #5232).



The unit includes the following man-made features which are shown on Map 1b and cross-referenced in Table 11 and Map 1B:

Table 11: Human Imprints, AZ-G022-015-Coati.

ID	Latitude	Longitude	Comment
A	31.67211389	- 110.15978333	Fence along the SPRNCA boundary, separating the adjacent parcel from the SPRNCA.
B	31.70105556	- 110.15632500	Fence between the grazing allotments.
C	31.71381111	- 110.15445000	An active range improvement site in the Three Brothers allotment, with a windmill, corral, and trough corrals accessed by an existing primitive route from the electric transmission line service road. Vegetation in the area around the vicinity of the range improvements is sparse due to grazing impacts.
D	31.67644722	- 110.16200833	An inactive range improvement site with a water tank and trough along a primitive route in the southern portion of the unit.
E	31.71683056	- 110.18444444	Historic railroad grades near Fairbank, including a 'Y' and sidings; these are in reclaiming condition.
F	31.68188653	- 110.17767640	Historic access route in reclaiming condition.
G	31.71388816	- 110.15994585	Historic access route in reclaiming condition.
H	31.68614385	- 110.18124437	Historic access route in reclaiming condition.

The existing man made features are small in scale, widely spaced and do not affect the unit's overall naturalness.

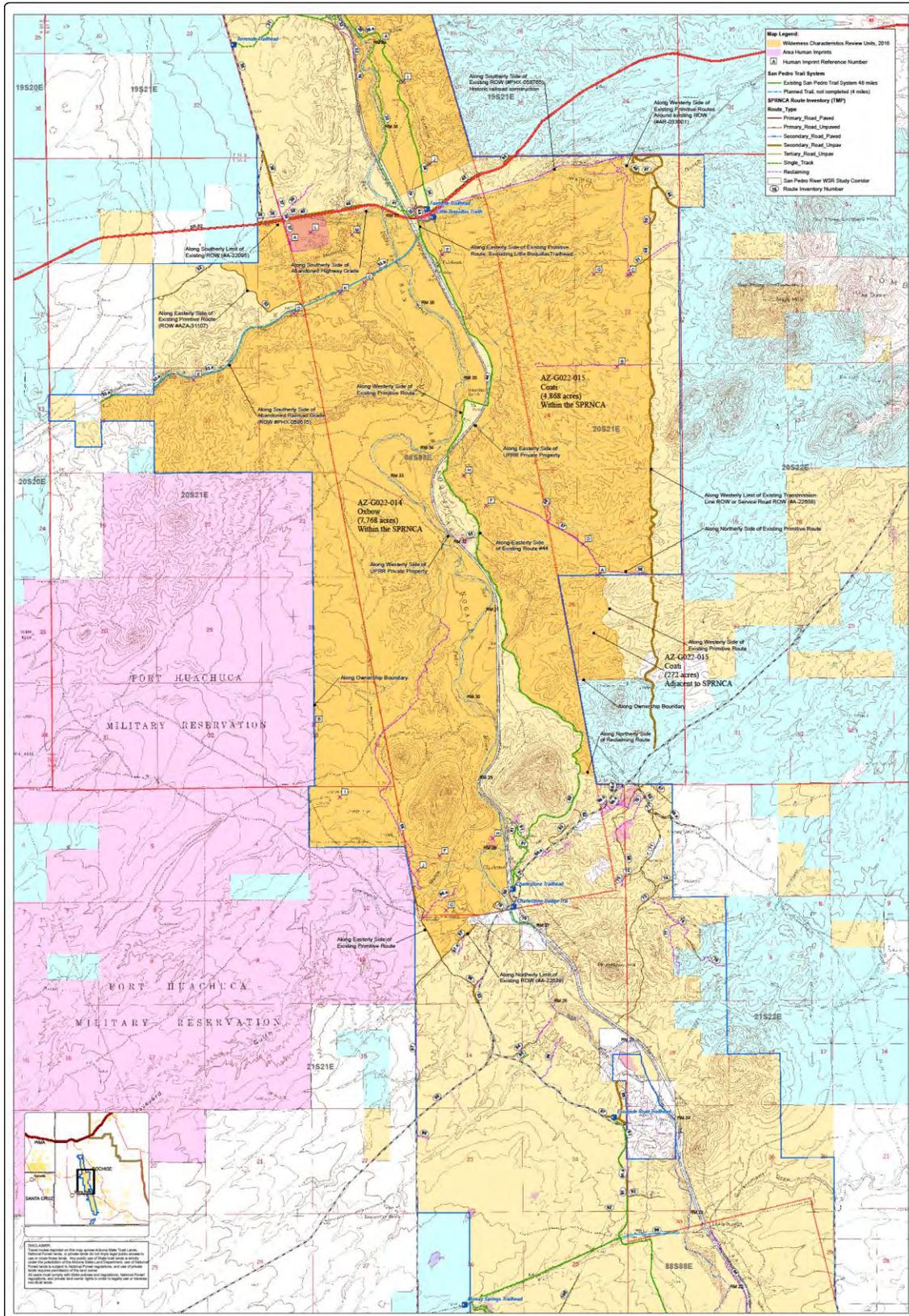
(3) Does the area have outstanding opportunities for solitude? **Yes**

Description: Access to the area is by non-motorized trail, and portions of the unit are remote due to distance from access points at the Little Boquillas trailhead, and the Charleston-Millville trailhead. The San Pedro Trail borders the west boundary, and provides access to the lower elevations and dispersed access to the uplands. The powerline service road provides access to the uplands for dispersed recreation. The terrain and topography, and vegetation screening provide many secluded places with opportunities for solitude.

(4) Does the area have outstanding opportunities for primitive and unconfined recreation? **Yes**

Description: Public access to the unit from travel routes along the boundary is limited to non-motorized travel, and cross country travel is difficult due to the rugged terrain. The area provides opportunities for dispersed recreation including hiking, horseback riding, hunting, wildlife viewing, viewing desert vegetation and natural scenery.

(5) Does the area have supplemental values (ecological, geological, or other features of scientific, educational, scenic or historical value)? **Yes**



United States Department of the Interior
 Bureau of Land Management
 3201 E. University Way
 Tucson, AZ 85726
 04/11/16

General Land Ownership
 BLM Private
 Military State

Map Legend
 State of Federal Highway
 County Maintained Road

San Pedro Riparian National Conservation Area

Map 1b. Wilderness Characteristics Inventory (Middle)

This map shows the areas evaluated for the presence or absence of wilderness characteristics in the San Pedro Riparian National Conservation Area Resource Management Planning Area.

Description: This inventory unit is in the SPRNCA, and has examples of the resource values the conservation area was established for, notably upland wildlife habitat. The major washes in the unit are important wildlife movement and travel corridors between the San Pedro River and the Tombstone Hills. The uplands in the unit have a wide variety/diversity of wildflowers, grasses, and shrubs, and a wide variety of wildlife species of birds, reptiles, insects and mammals. Mesquite woodlands are also throughout lending to the diversity of habitat types and supporting a variety of other plant and animal species.

The unit includes portion of the Charleston Hills, composed primarily of Cretaceous-aged (~75 million years old) volcanic ash-flow tuft formed within the Tombstone Hills Caldera. A caldera is a large collapse structure formed as the land surface subsides due to the eruption of volcanic rocks. The volcanic tufts contain breccias (rocks made up of fragments of older rocks) with some of the breccia chunks up to 50m in dimension. The older portions of the volcanic tuft are intruded by mineral rich igneous dikes in the vicinity of the Charleston lead mine. Similar outcrops of tuft occur south of Little Boquillas Ranch and near the Tombstone Gaging Station, north of Fairbank.

The Walnut Gulch tributary/area is of scientific importance, with research ongoing in and around the Walnut Gulch watershed since 1953.

Summary of Analysis

Area Unique Identifier: AZ-G022-015 - Coati Wash

Results of analysis: Wilderness characteristics are present in this unit.

1. Does the area meet any of the size requirements? **Yes**

2. Does the area appear to be natural? **Yes**

3. Does the area offer outstanding opportunities for solitude or a primitive and unconfined type of recreation? **Yes**

4. Does the area have supplemental values? **Yes**

X The area, or a portion of the area, has wilderness characteristics and is identified as lands with wilderness characteristics (LWC).

The area does not have wilderness characteristics.

Prepared by (Team Members):

Jim Mahoney, BLM Outdoor Recreation Planner (August 2015 Draft)

Heather Swanson, BLM Natural Resources Specialist (August 2015 Draft)

Francisco Mendoza, BLM Outdoor Recreation Planner (May 2016 Final)

Ken Mahoney, Arizona BLM National Conservation Lands Program Lead (Primary reviewer of August 2015 and May 2016 Inventories)

Reviewed by (District of Field Manager)

Name: _____ Title: _____

Date: _____

This form documents information that constitutes an inventory finding on wilderness characteristics. It does not represent a formal land use allocation or a final agency decision subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.

ROUTE ANALYSIS**Summary Route Analysis**Inventory Unit: AZ-G022-015 – Coati Wash

Table 12 below lists the travel routes that affect the inventory unit’s roadlessness, and the summary determination on whether the route meets the criteria for a ‘road’ for wilderness inventory purposes, as described in each route’s analysis.

Table 12: Travel Routes.

Route Id. No.	Construction by Mechanical Means?	Maintenance by Mechanical Means?	Regular and Continuous Use?	Wilderness Inventory Road?
BLM #44	Yes	Yes	Yes	Yes
BLM # 51	No	Yes	Yes	No
BLM # 56	Yes	No	No	No
BLM # 57	Yes	Yes	No	No
BLM # 58	Yes	No	No	No
BLM # 60	Yes	No	No	No

Notes:

The Route Analysis forms describe the factors considered in determining whether a route is a ‘road’ for wilderness characteristics inventory purposes. The forms contain footnotes which clarify the purpose of the route analysis, and the criteria used in the determination.

The foot notes for the forms are listed below:

¹ This form documents information that constitutes an inventory finding on wilderness characteristics. It does not represent a formal land use allocation or a final agency decision subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.

² Road: An access route which has been improved and maintained by mechanical means to insure relatively regular and continuous use. A way maintained solely by the passage of vehicles does not constitute a road.

a. Improved and maintained – Actions taken physically by people to keep the road open to vehicle traffic. “Improved” does not necessarily mean formal construction. “Maintained” does not necessarily mean annual maintenance.

b. Mechanical means – Use of hand or power machinery or tools.

c. Relatively regular and continuous use – Vehicular use that has occurred and will continue to occur on a relatively regular basis. Examples are: access roads for equipment to maintain a stock water tank or other established water sources, access roads to maintained recreation sites or facilities, or access roads to mining claims.

³ If a portion of a route is found to meet the wilderness inventory road criteria (see Part III) and the remainder does not meet these criteria (e.g., a cherry stem road with a primitive route continuing beyond a certain point), identify each segment and explain the rationale for the separate findings under pertinent criteria.

⁴ The purpose of a route is not a deciding factor in determining whether a route is a road for wilderness characteristics inventory purposes. The purpose of a route does provide context for factors on which such a determination may be based, particularly the question of whether maintenance of the route ensures relatively regular and continuous use. The purpose also helps to determine whether maintenance that may so far have been unnecessary to ensure such use would be approved by BLM when the need arises.

⁵ Good conditions would be conditions that ensure regular and continuous use relative to the purposes of the route. Consider whether the route can be clearly followed in the field over its entire course and whether all or any portion of the route contains any impediments to travel.

⁶ Include estimate of travel rates for the stated purposes, e.g., trips/day or week or month or season or year or even multiple years in some facility maintenance cases.

⁷ If part of the route meets the wilderness inventory road definition and the remainder does not, describe the segment meeting the definition and any remaining portion not meeting the definition and why.

⁸ Describe and explain rationale for any discrepancies with citizen proposals.

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-015 Coati Wash

Route or Route Segment³ Name and/or Identifier: Coati Route (BLM #44)

I. LOCATION:

This route forms the western boundary of this unit. The route ends at the intersection with route BLM #60 (31°39'16.65"N, 110°10'12.72"W).

Describe: Single lane primitive route, natural soil surface, approximately 6.1 miles in length, and 12 to 14-foot ft. wide.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: This route is part of the San Pedro Trail from the Millville trailhead along Charleston Rd. to the Little Boquillas Ranch trailhead along State Route (SR) 82. The route provides vehicle access for administrative purposes.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW?: **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: N/A

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved___ Bladed **X** Graveled___ Roadside Berms___ Cut/Fill___ Other **X**

Describe: This route was constructed by mechanical means before the SPRNCA lands were reconveyed to the United States.

2. Improvements: (Is there evidence of improvements using mechanical means to facilitate access?)

Yes If "yes": by Hand Tools **X** by Machine___

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other **X**

Describe: Signs marking the San Pedro Trail along the route.

B. Maintenance:

Yes.

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes If "yes": by Hand Tools **X** by Machine___

Explain: Hand tools have been used to clear vegetation.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes

Explain: Sporadic and/or seasonal maintenance will continue to be carried out to accommodate vehicles for administrative and/or emergency purposes. Trail maintenance will continue.

C. Relatively regular and continuous use: **Yes**

Describe evidence:

The route is used by 4WD vehicles for administrative and/or emergency purposes. The general public uses the route as part the San Pedro Trail, a non-motorized trail, including bicycles.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road (*i.e., are items III.A and III.B and III.C all checked/yes*)?

Yes = Wilderness Inventory Road No = Not a road for wilderness inventory purposes

Explanation⁸: There are no discrepancies with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ--G022-015 Coati Wash

Route or Route Segment³ Name and/or Identifier: Three Brothers Route (BLM #51)

I. LOCATION:

This route enters the unit from the east, and is accessed from the electric transmission line service road. The end of the route is at an existing range improvement site with livestock corrals and water in the Three Brothers Grazing Allotment. Photo point 4 shows landscape from the end of route (31°42'49.72"N, 110°9'16.02"W).

Describe: Single lane primitive route, approximately 0.25 miles in length and 10 to 12-foot wide. The travelway is eroding due to down-cutting by collected surface runoff. Vehicle tracks may be present.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: This route is used for administrative vehicle access related to the permitted cattle grazing, and the maintenance and operation of existing range improvements in accordance with the grazing permit.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW?: **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: **N/A**

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

No.

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **No**

Examples: Paved___ Bladed___ Graveled___ Roadside Berms___ Cut/Fill___ Other ___

Describe:

This route appears to have been established by driving it with vehicles. The route parallels another route which is no longer in use, which appears to be the original alignment of the route to the range improvements. Given its alignment and location, is likely the original route was constructed at the time the range improvements were constructed. The flat topography and sparse vegetation make it easy to travel off road and establish new routes.

2. Improvements: *(Is there evidence of improvements using mechanical means to facilitate access?)*

No If "yes": by Hand Tools___ by Machine___

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: **N/A**

B. Maintenance: *(Is there evidence of maintenance that would ensure relatively regular and continuous use?)*: **Yes**.

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes If "yes": by Hand Tools **X** by Machine ___

Explain: Hand tools have been used to clear vegetation.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes

Explain: This route is necessary for the permitted livestock grazing operations, and maintenance of the range improvements.

C. Relatively regular and continuous use: *(Does the route or route segment ensure relatively regular and continuous use?)*

Yes

Describe evidence:

Administrative vehicle use of the route as needed for grazing related purposes is authorized in the grazing permit.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road *(i.e., are items III.A and III.B and III.C all checked/yes)?*

Yes ___ = Wilderness Inventory Road No X = Not a road for wilderness inventory purposes

Explanation⁸: There are no discrepancies with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ--G022-015 Coati Wash

Route or Route Segment³ Name and/or Identifier: Lucky Hills Route 2 (BLM #56)

I. LOCATION:

This route is in the southeast part of the unit, and is accessed from the electric transmission line service road (BLM #49). It connects to route BLM #57.

Describe: Single lane primitive route, approximately 0.5 mile in length and 10-foot wide.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: This route parallels the SPRNCA boundary fence, and provides access for fence maintenance. The route may be used for administrative vehicle access related to the permitted cattle grazing in the Lucky Hills grazing allotment (#5252), and maintenance of the SPRNCA boundary fence.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? No
2. If yes, what is the stated purpose of the ROW?: N/A
3. Is the ROW still being used for this purpose? N/A

Explain: N/A

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) **No** (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved___ Bladed **X** Graveled___ Roadside Berms___ Cut/Fill___ Other ___

Describe: This route appears to have been constructed as part of the fenceline, predating the SPRNCA.

2. Improvements: (Is there evidence of improvements using mechanical means to facilitate access?)

No If "yes": by Hand Tools___ by Machine___

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: **N/A**

B. Maintenance: **No.**

Yes (if either B.1 or B.2 is checked "yes" below) **No** (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If "yes": by Hand Tools ___ by Machine ___

Explain: The route was identified as in reclaiming condition in the access route inventory.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes

Explain: This route is in an active grazing allotment, and provides access to the allotment boundary and SPRNCA boundary fence. Minimal maintenance would be authorized if necessary to accommodate access for administrative purposes.

C. Relatively regular and continuous use: **No**

Describe evidence:

The route was identified as 'reclaiming' in the access route inventory. Administrative vehicle access needs were identified for SPRNCA boundary fence maintenance, but use is very infrequent.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road (*i.e., are items III.A and III.B and III.C all checked/yes*)?

Yes ___ = Wilderness Inventory Road No **X** = Not a road for wilderness inventory purposes

Explanation⁸: There are no discrepancies with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY

ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ--G022-015 Coati Wash

Route or Route Segment³ Name and/or Identifier: Lucky Hills Route (BLM #57)

I. LOCATION:

This route enters the unit from the southeast, and is accessed from the electric transmission line service road via BLM #56. The route connects with BLM #58.

Describe: Single lane primitive route, approximately 1 mile in length and 10-foot wide. The travelway is eroding due to down-cutting by collected surface runoff.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: This route may be used for administrative vehicle access related to the permitted cattle grazing in the Lucky Hills grazing allotment (#5252), and the maintenance and operation of existing range improvements in accordance with the grazing permit.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? No
2. If yes, what is the stated purpose of the ROW?: N/A
3. Is the ROW still being used for this purpose? N/A

Explain: N/A

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means: **Yes.**

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved___ Bladed **X** Graveled___ Roadside Berms___ Cut/Fill **X** Other ___

Describe: This route is on side slope conditions and was constructed by mechanical means as indicated by cut and fill slopes.

2. Improvements: (Is there evidence of improvements using mechanical means to facilitate access?)

No If "yes": by Hand Tools___ by Machine___

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe: **N/A**

B. Maintenance: **Yes.**

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If "yes": by Hand Tools ___ by Machine ___

Explain: The route was identified as in reclaiming condition in the access route inventory.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes

Explain: This route is in an active grazing allotment, and provides access to a range improvement site with livestock water facilities (storage tank, trough). Maintenance would be authorized if necessary for access to permitted livestock grazing operations, and maintenance of the range improvements. The route provides access for vehicles for administrative purposes related to SPRNCA fence maintenance.

C. Relatively regular and continuous use: **No**

Describe evidence

Administrative vehicle use of the route as needed for grazing related purposes is authorized in the grazing permit.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road (*i.e., are items III.A and III.B and III.C all checked/yes*)?

Yes ___ = Wilderness Inventory Road No **X** = Not a road for wilderness inventory purposes

Explanation⁸: There are no discrepancies with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ--G022-015 Coati Wash

Route or Route Segment³ Name and/or Identifier: Lucky Hills Route 2 (BLM #58)

I. LOCATION:

This route is in the southeast part of the unit, and is accessed from BLM #57. It ends in a wash.

Describe: Single lane primitive route, approximately 0.2 miles in length and 10-foot wide.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: This route may be used for administrative vehicle access related to the permitted cattle grazing in the Lucky Hills grazing allotment (#5252), and maintenance of the SPRNCA boundary fence.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW?: **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: **N/A**

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes (if either A.1 or A.2 is checked "yes" below) **No** (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved ___ Bladed **X** Graveled ___ Roadside Berms ___ Cut/Fill **X** Other ___

Describe: This route is on side slope conditions and was constructed by mechanical means as indicated by cut and fill slopes.

2. Improvements: *(Is there evidence of improvements using mechanical means to facilitate access?)*

No If “yes”: by Hand Tools ___ by Machine ___

Examples: Culverts ___ Hardened Stream Crossings ___ Bridges ___ Drainage ___ Barriers ___
Other ___

Describe: **N/A**

B. Maintenance: *(Is there evidence of maintenance that would ensure relatively regular and continuous use?)*: **No.**

Yes (if either B.1 or B.2 is checked “yes” below) No (if both B.1 and B.2 are checked “no” below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If “yes”: by Hand Tools ___ by Machine ___

Explain: The route was identified as in reclaiming condition in the access route inventory.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes

Explain: This route is in an active grazing allotment, and provides access to the allotment boundary and SPRNCA boundary fence. Minimal maintenance would be authorized if necessary to accommodate access for administrative purposes.

C. Relatively regular and continuous use: *(Does the route or route segment ensure relatively regular and continuous use?)* **No**

Describe evidence:

The route was identified as ‘reclaiming’ in the access route inventory. Administrative vehicle access needs were identified for SPRNCA boundary fence maintenance, but use is very infrequent.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road *(i.e., are items III.A and III.B and III.C all checked/yes)?*

Yes ___ = Wilderness Inventory Road No **X** = Not a road for wilderness inventory purposes

Explanation⁸: There the citizen’s proposal received in February 2016 indicates no evidence of construction.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ--G022-015 Coati Wash

Route or Route Segment³ Name and/or Identifier: Lucky Hills Route 2 (BLM #60)

(Include Transportation Plan Identifier, if known, and include route number supplied by citizen information, when available.)

I. LOCATION:

This route is in the southern part of the unit, and is accessed from the Millville trailhead. The route forms part of the unit boundary.

Describe: Narrow single lane primitive route, approximately 2.3 miles in length and approximately 6 to 8-foot wide.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: This route is part of the San Pedro Trail, and is used for non-motorized travel including bicycles only.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? No

2. If yes, what is the stated purpose of the ROW?: N/A

3. Is the ROW still being used for this purpose? N/A

Explain: N/A

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes.

Yes *(if either A.1 or A.2 is checked "yes" below)* No *(if both A.1 and A.2 are checked "no" below)*

1. Construction: *(Is there evidence that the route or route segment was originally constructed using mechanical means?)* Yes

Examples: Paved___ Bladed X Graveled___ Roadside Berms___ Cut/Fill X Other ___

Describe: This route is on side slope conditions and was constructed by mechanical means as indicated by cut and fill slopes.

2. Improvements: *(Is there evidence of improvements using mechanical means to facilitate access?)*

No If "yes": by Hand Tools ___ by Machine ___

Examples: Culverts ___ Hardened Stream Crossings ___ Bridges ___ Drainage ___ Barriers ___
Other ___

Describe: **N/A**

B. Maintenance: No.

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes If "yes": by Hand Tools X by Machine ___

Explain: The route is maintained for non-motorized trail purposes only, it is not maintained for administrative vehicle use.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

No.

Explain: This route is part of the San Pedro Trail and minimal maintenance would be authorized as necessary to accommodate trail purposes. Maintenance for administrative vehicles would not be authorized.

C. Relatively regular and continuous use: *(Does the route or route segment ensure relatively regular and continuous use?)*

No

Describe evidence:

The route is part of the San Pedro Trail. It receives light use for hiking, bicycling and horseback riding.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road *(i.e., are items III.A and III.B and III.C all checked yes)?*

Yes ___ = Wilderness Inventory Road No X = Not a road for wilderness inventory purposes

Explanation⁸: There are no discrepancies with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
APPENDIX D – PHOTO LOG

Inventory Area Unique Identifier AZ-G022-015 Coati Wash

Photographer(s): Jim Mahoney

Table 13: Photo Log.

Date	Frame #	Camera Direction	Description	GPS/UTM Location	Photo Point #
9/26/13	2306-2312 merged	S to W	Panorama Southwest Transmission Corp powerline road (BLM #49, 50)	12R0579656 3504592	1
9/26/13	2313-2320 merged	W to N	Panorama Southwest Transmission Corp powerline road (BLM #49, 50)	“	2
6/12/12	N/A	W	Velvet mesquite bosque	31°41'37.16"N 110°10'39.52"W	3
9/26/13	2344-2347 merged	SW	End of route on Three Brothers Allotment (BLM #51)	12R0580163/ 3509078	4
4/11/15	N/A	NE to SE	Coati Wash area from Little Boquillas Ranch to Boston Mill cherry stem road (BLM #44)	31°40'55.51"N 110°11'2.81"W	5
7/30/13	2291-2294 merged	E to NE to SE to S	Bosque with Sobaipuri uplands	12R0578177/ 3503878	6
7/30/13	2257-2261 merged	N to W to S	Coati Wash panorama from Little Boquillas Road	12R0578162/ 3506806	7
7/30/13	2262-2266 merged	N to W to S	Coati Wash panorama from Little Boquillas Road, includes riparian	“	8
7/30/13	2273-2276	S to E to NE	Coati Wash area from Little Boquillas Ranch to Boston Mill cherry stem road (BLM #57)	12R0577475/ 3505481	9
7/30/11	2284	N	End of Little Boquillas Ranch / Boston Mill cherry	12R0578371/ 3503184	10

		stem road at Coati Wash (BLM #57)		
--	--	--------------------------------------	--	--

AZ-G022-015 Photo Point # 1



Figure 1: Panorama Southwest Transmission Corp powerline road (BLM #49, 50)

AZ-G022-015 Photopoint #2



Figure 2: Panorama Southwest Transmission Corp powerline road (BLM #49, 50)

AZ-G022-015 Photopoint #3



Figure 3: Velvet mesquite bosque



AZ-G022-015 Photopoint # 4

Figure 4: End of cherry stem road on Three Brothers Allotment (BLM #51)

AZ-G022-015 Photopoint #5



Figure 5: Coati Wash area from Little Boquillas Ranch to Boston Mill cherry stem road (BLM #44)



Figure 6: Bosque with Sobaipuri uplands



Figure 7: Coati Wash panorama from Little Boquillas Road



Figure 8: Coati Wash panorama from Little Boquillas Road, includes riparian



Figure 9: Coati Wash area from Little Boquillas Ranch to Boston Mill cherry stem road (BLM #57)



Figure 10: End of Little Boquillas Ranch / Boston Mill cherry stem road at Coati Wash (BLM #57)

FORM 2

WILDERNESS CHARACTERISTICS INVENTORY

Current Conditions: Presence or Absence of Wilderness Characteristics

Area Unique Identifier: AZ-022-021 - Kestrel

Acreage: 5,904

(1) Is the area of sufficient size? **Yes**

Description:

The northern boundary is approximately 1.5 miles along the southern limit of the State Route (SR) 90 right of way (Right of Way [ROW] # A-22095, 200-foot. total width). This boundary is fenced.

The western boundary is approximately 10-miles of the SPRNCA boundary, adjoining Arizona State Trust lands and private property. This boundary is fenced.

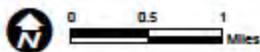
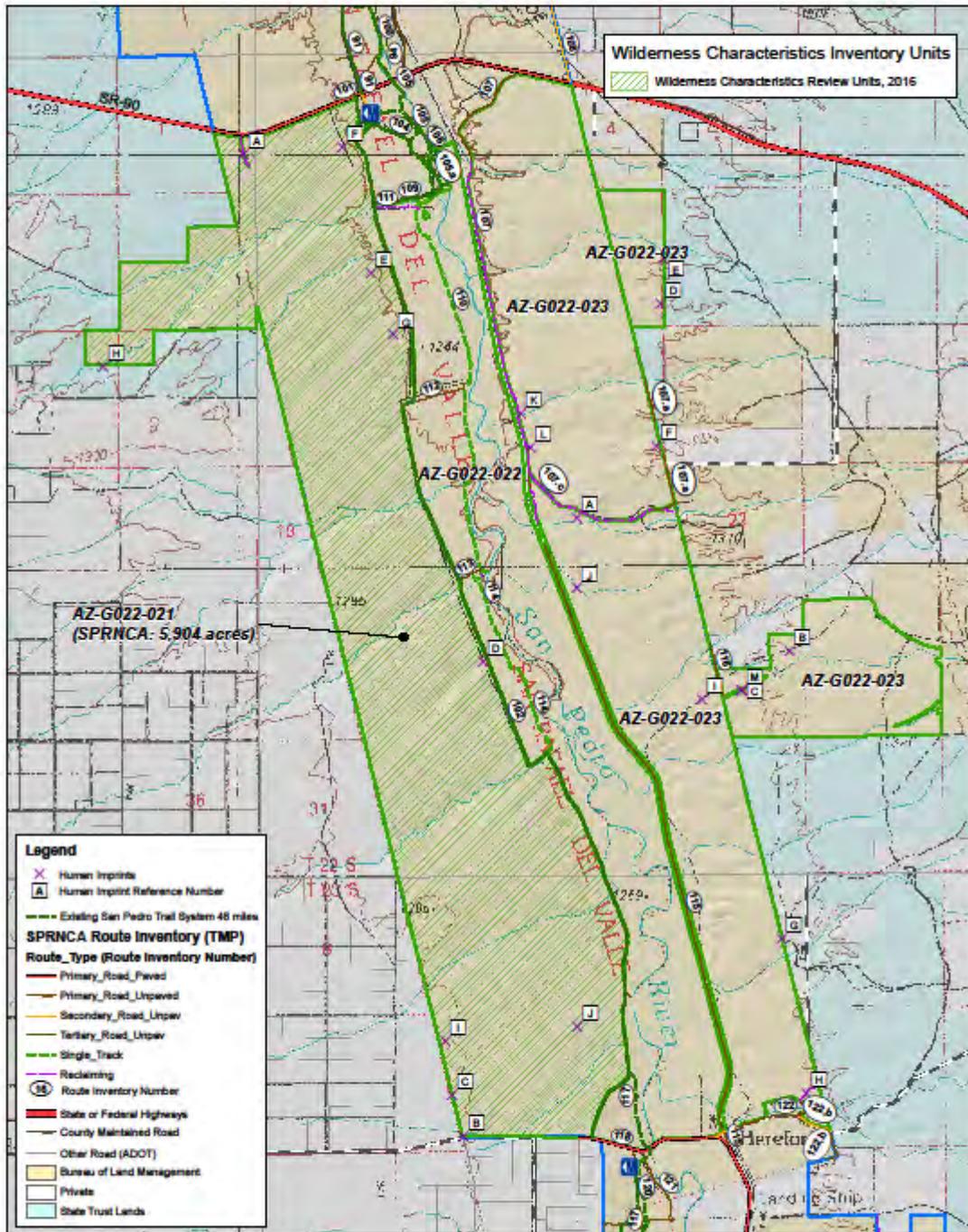
The eastern boundary is approximately 7½ miles of the Del Valle Road section of the San Pedro Trail, a non-motorized for hiking, horseback riding and bicycling. The route is also used for vehicle access for administrative and emergency purposes.

The southern boundary is approximately 1.25 miles along the northern limit of the Hereford Road ROW, maintained by Cochise County. The northern ROW limit is the San Pedro Riparian National Conservation Area (SPRNCA) boundary, which is fenced.

The unit boundary is shown on Map 5- Inventory Unit AZ-G022-021-Kestrel.

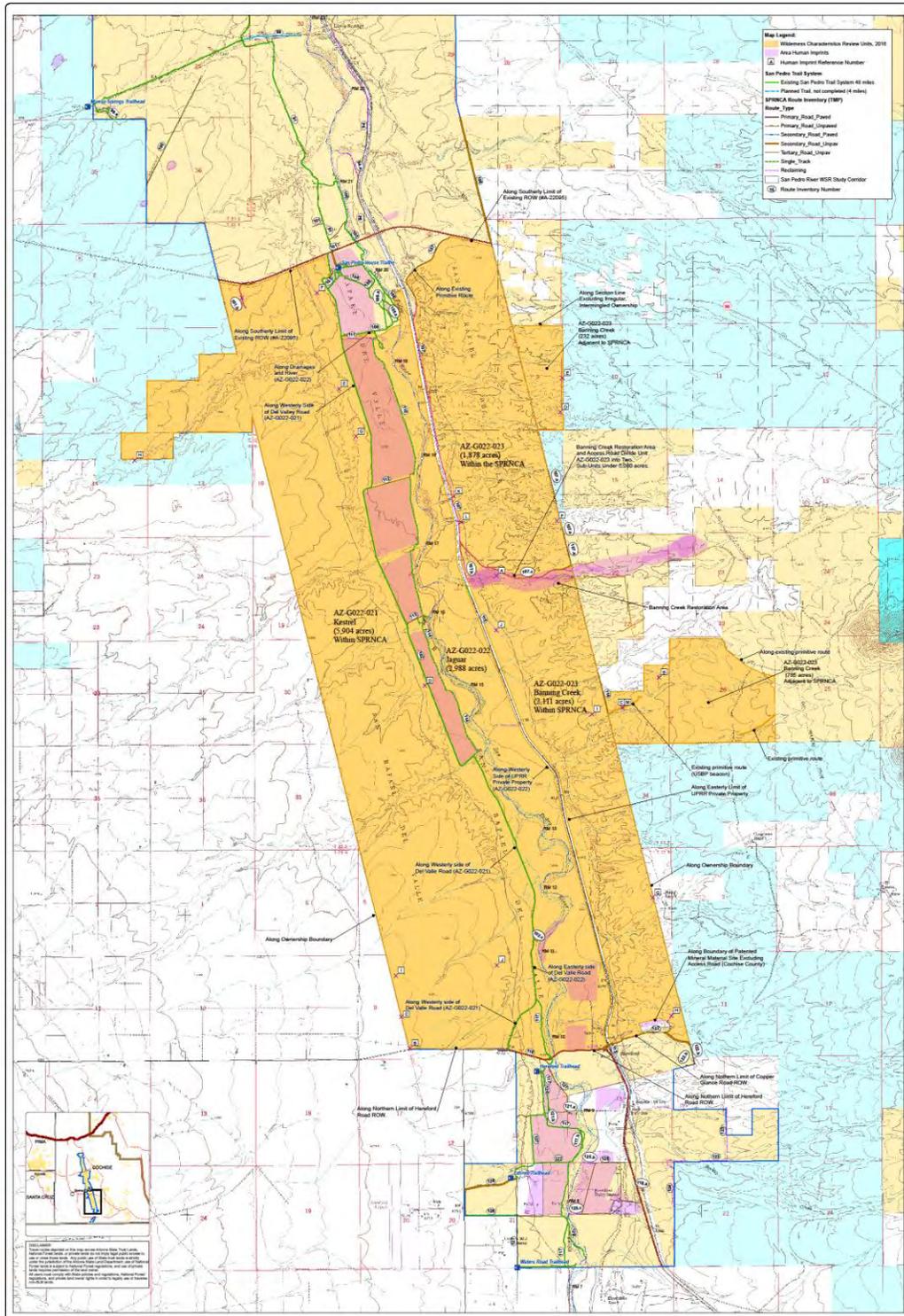
(2) Does the area appear to be natural? **Yes**

Description: This unit is on federal land managed by the BLM within the SPRNCA. The unit consists of gently sloping upland flats with rolling ridges and open side drainage valleys. The area is of low relief, rising from 4,000 feet along the edge of the river valley, to about 4,300 feet. on the uplands. The unit includes four major tributaries (Garden Wash, Carr/Ramsey Wash, Miller, and Hunter) which are important wildlife movement corridors to the mountains west of the river. The area is composed of relatively flat lying sedimentary deposits which contain Pliocene and Pleistocene layers which are exposed by erosion along the river and side drainages in numerous head-cut gullies. There are no modern, man-made developments within this area including fences or other range improvements. Vegetation in the unit is representative of the communities expected in the local ecological sites, and includes sacaton flats, mesquite-lined tributaries with occasional cottonwood and willow trees at springs, thickets of western soapberry, and white-thorn acacia/creosote/native mixed grass uplands. The unit is essentially undeveloped and has not been grazed for approximately 30 years, and vegetation cover has been allowed to grow naturally. Private land adjacent to the SPRNCA and inventory unit on the west is rangeland with rural residential developments.



Map 5. San Pedro Riparian National Conservation Area
AZ-G022-021 - Kestrel Inventory Unit

The unit includes the following man-made features which are shown on Map 1c and cross-referenced in Table 14:



United States Department of the Interior
Bureau of Land Management
Ola Clark, Tucson Field Office
Sally J. Loveland, Map
Tucson, AZ 85726
06/19/10

General Land Ownership
BLM State
Private State Wildlife Area

Map Legend

San Pedro Riparian National Conservation Area
Map 1c. Wilderness Characteristics Inventory (South)

This map shows the areas evaluated for the presence or absence of wilderness characteristics in the San Pedro Riparian National Conservation Area Resource Management Planning Planning Area.

Table 14: Human Imprints, AZ-G022-021- Kestrel.

ID	Latitude	Longitude	Comment
A	31.54417222	- 110.15728333	Primitive access route Approximately 0.25 mile in length enters the area from SR 90 and dead ends.
B	31.43966944	- 110.13101389	Fence along the SPRNCA boundary adjacent to private land and county road.
C	31.44405833	- 110.13236667	Informal trails.
D	31.49004444	- 110.12811667	The unit boundary is along the edge of reclaiming farm fields, regenerating sacaton and mixed shrub vegetation. Land leveling for the fields blocks the natural flow of minor side drainages across the unit.
E	31.53144444	- 110.14164167	Dike which impounds small drainage basins.
F	31.54481944	- 110.14510000	Dike which impounds small drainage basins.
G	31.52478611	- 110.13896389	Reclaimed remnants of a telephone right of way.
H	31.52172500	- 110.17489444	OHV access point into wash at unit's boundary.
I	31.44978333	- 110.13316389	Unauthorized social equestrian trails, Approximately 3.5 miles and 3-foot. wide through the uplands.
J	31.45114444	- 110.11678889	Reclaimed route, overgrown and barely discernible.

The man-made features are widely spaced, small scale, and screened by vegetation and topography, and have a minor effect on the unit's overall naturalness.

(3) Does the area have outstanding opportunities for solitude? **Yes**

Description: The unit's configuration (long and narrow, roughly 1 mile x 8 miles), and has open rolling topography with low relief. The shallow relief is a limiting factor, but the drainage basins and small valleys provide sufficient topographic screening within the unit and adjacent lands to create secluded places which provide opportunities for solitude. The distance from designated public access points makes much of the area remote, accessible by non-motorized travel on the San Pedro Trail. The unit's accessibility by cross-country travel from the San Pedro Trail, and informal access from the boundaries, limit visitation in the area and encounters among visitors are rare and infrequent.

(4) Does the area have outstanding opportunities for primitive and unconfined recreation? **Yes**

Description: Recreational use in the unit is limited to dispersed activities accessible by foot and horse cross country travel. There are no fences within the area to impede travel. Recreational opportunities include hiking, horseback riding, viewing natural scenery, viewing native vegetation, viewing wildlife, back country camping and hunting. Hunting opportunities are limited to archery methods by an existing restriction on the use of fire arms in the SPRNCA south of SR 90¹. Unauthorized social trails used by equestrians enter the unit from the adjacent residential area to the west.

(5) Does the area have supplemental values: **Yes**

Description: The unit is within the SPRNCA, and it shares the resource values of the conservation area.

The largely undisturbed surface and vegetation of this upland unit contributes to the diversity of wildlife habitat in the riparian area along an approximately 8-mile stretch of the San Pedro River.

The Pliocene and Pleistocene sedimentary deposits in the unit contain ice age deposits with fossils of mega-fauna (mammoth, horse camel) and early humans in the area, similar to paleontological values present at the Lehner and Murray Springs sites.

Cultural resource values in the area include evidence of Clovis hunters—11,200 years ago to about 8,000 years ago, the Cochise culture—8,000 years ago to AD 1, and American ranching and farming—1853 to 1988.

The unit contains a largely undisturbed representation of native vegetation with a variety of wildflowers, grasses, and shrubs, with habitat for nearly 200 species of wildlife including birds, mammals, and reptiles.

¹ SPRNCA Supplementary Rules, and AGFD Hunting Regulations.

1 **Summary of Analysis**

2
3
4 Area Unique Identifier: AZ-G022-021-Kestrel

Acreage: 5,904

5
6 Results of analysis: Wilderness characteristics are present in this unit.

7
8 1. Does the area meet any of the size requirements? Yes

9
10 2. Does the area appear to be natural? Yes

11
12 3. Does the area offer outstanding opportunities for solitude or a primitive and unconfined type
13 of recreation? Yes

14
15 4. Does the area have supplemental values? Yes

16
17 **Prepared by (Team Members):**

18 Jim Mahoney, BLM Outdoor Recreation Planner (August 2015 Draft)

19 Heather Swanson, BLM Natural Resources Specialist (August 2015 Draft)

20 Francisco Mendoza, BLM Outdoor Recreation Planner (May 2016 Final)

21 Ken Mahoney, Arizona BLM National Conservation Lands Program Lead (Primary reviewer of
22 August 2015 and May 2016 Inventories)

23
24 **Reviewed by (District of Field Manager)**

25
26 Name:  Title: TUCSON FIELD MANAGER

27
28 Date: 5/11/2016

29
30 This form documents information that constitutes an inventory finding on wilderness
31 characteristics. It does not represent a formal land use allocation or a final agency decision
32 subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.

33
34

ROUTE ANALYSIS**Summary Route Analysis**Inventory Unit: AZ-G022-021 - Kestrel

Table 15 below lists the travel routes that affect the inventory unit's roadlessness, and the summary determination on whether the route meets the criteria for a 'road' for wilderness inventory purposes, as described in each route's analysis.

Table 15: Travel Routes.

Route Id. No.	Construction by Mechanical Means?	Maintenance by Mechanical Means?	Regular and Continuous Use?	Wilderness Inventory Road?
BLM #102	Yes	Yes	Yes	Yes
BLM 101.b	No	No	No	No

Notes:

The Route Analysis forms describe the factors considered in determining whether a route is a 'road' for wilderness characteristics inventory purposes. The forms contain footnotes which clarify the purpose of the route analysis, and the criteria used in the determination.

The foot notes for the forms are listed below:

¹ This form documents information that constitutes an inventory finding on wilderness characteristics. It does not represent a formal land use allocation or a final agency decision subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.

² Road: An access route which has been improved and maintained by mechanical means to insure relatively regular and continuous use. A way maintained solely by the passage of vehicles does not constitute a road.

a. Improved and maintained – Actions taken physically by people to keep the road open to vehicle traffic. “Improved” does not necessarily mean formal construction. “Maintained” does not necessarily mean annual maintenance.

b. Mechanical means – Use of hand or power machinery or tools.

c. Relatively regular and continuous use – Vehicular use that has occurred and will continue to occur on a relatively regular basis. Examples are: access roads for equipment to maintain a stock water tank or other established water sources, access roads to maintained recreation sites or facilities, or access roads to mining claims.

³ If a portion of a route is found to meet the wilderness inventory road criteria (see Part III) and the remainder does not meet these criteria (e.g., a cherry stem road with a primitive route continuing beyond a certain point), identify each segment and explain the rationale for the separate findings under pertinent criteria.

⁴ The purpose of a route is not a deciding factor in determining whether a route is a road for wilderness characteristics inventory purposes. The purpose of a route does provide context for factors on which such a determination may be based, particularly the question of whether maintenance of the route ensures relatively regular and continuous use. The purpose also helps to determine whether maintenance that may so far have been unnecessary to ensure such use would be approved by BLM when the need arises.

⁵ Good conditions would be conditions that ensure regular and continuous use relative to the purposes of the route. Consider whether the route can be clearly followed in the field over its entire course and whether all or any portion of the route contains any impediments to travel.

⁶ Include estimate of travel rates for the stated purposes, e.g., trips/day or week or month or season or year or even multiple years in some facility maintenance cases.

⁷ If part of the route meets the wilderness inventory road definition and the remainder does not, describe the segment meeting the definition and any remaining portion not meeting the definition and why.

⁸ Describe and explain rationale for any discrepancies with citizen proposals.

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-021 Kestrel

Route or Route Segment³ Name and/or Identifier: Del Valle Road (BLM #102)

I. LOCATION:

This route is on the east boundary of the inventory unit, with access from SR 90 at the San Pedro House, and Hereford Road.

Describe: Approximately 8.5 miles in length and 12 to 14-foot. in width, single lane primitive route, natural soil surfaced along edge of reclaiming farm fields. Seasonally maintained for public non-motorized trail purposes, and administrative vehicle use. This route is part of the San Pedro Trail from the San Pedro House to the Hereford Bridge trailhead.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: This route is used for administrative vehicle access related to multiple resource programs, including fuels management. It is part of the San Pedro Trail and provides non-motorized access, including bicycles, to the riparian area and adjacent uplands.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW?: **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: The route provides access to SPRNCA lands only; no non-federal inholdings present.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means: **Yes.**

Yes (if either A.1 or A.2 is checked "yes" below) **No** (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **Yes**

Examples: Paved___ Bladed **X** Graveled___ Roadside Berms **X** Cut/Fill___ Other _

Describe: This route was constructed by machine for access to farm fields predating reconveyance of the San Rafael del Valle land grant, and establishment of the SPRNCA. Berms were constructed along the western, or upslope side of the road for control of sheet runoff. The berms are in revegetated condition.

2. Improvements: (Is there evidence of improvements using mechanical means to facilitate access?)

Yes If "yes": by Hand Tools___ by Machine___

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other **X**

Describe: Flood control berms along west side of route reduce flood damage to the route and fields.

B. Maintenance: (Is there evidence of maintenance that would ensure relatively regular and continuous use?): **Yes.**

Yes (if either B.1 or B.2 is checked "yes" below) **No** (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

Yes If "yes": by Hand Tools **X** by Machine **X**

Explain: Hand tools have been used to maintain vegetation clearance for administrative vehicles and trail purposes. A back hoe has been utilized for road maintenance, consisting of spot repairs to drainage crossings after flood events.

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

Yes

Explain: Seasonal maintenance and spot repairs will continue to be authorized to accommodate passage by vehicles for administrative and/or emergency purposes, and for non-motorized trail use.

C. Relatively regular and continuous use: (Does the route or route segment ensure relatively regular and continuous use?) **Yes**

Describe evidence:

This route is used for administrative vehicle access for multiple resource management programs and for emergency use. The route is used by the general public for non-motorized trail purposes.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road (*i.e., are items III.A and III.B and III.C all checked yes*)?

Yes = Wilderness Inventory Road No = Not a road for wilderness inventory purposes

Explanation⁸: There are no substantive discrepancies with the citizen's proposal received in February 2016.

Evaluator(s):

Date: (August 2015 and May 2016)

Heather L. Swanson, Natural Resource Specialist
Jim Mahoney, Outdoor Recreation Planner
Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY
ROUTE ANALYSIS¹

Wilderness Characteristics Inventory Area Unique Identifier: AZ-G022-021 Kestrel

Route or Route Segment³ Name and/or Identifier: Un Named Route (BLM #101.b)

I. LOCATION:

This route is on the north end of the inventory unit, with access from SR90.

Describe: Approximately 0.25 miles in length and 10 ft. width, single lane primitive route, natural soil surfaced.

II. ROUTE CONTEXT

A. Current Purpose⁴ (if any) of Route:

Describe: No access purposes have been identified for this route.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route? **No**
2. If yes, what is the stated purpose of the ROW?: **N/A**
3. Is the ROW still being used for this purpose? **N/A**

Explain: The route enters from the SR 90 ROW, and physical access is blocked by the ROW fence.

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means: **No.**

Yes (if either A.1 or A.2 is checked "yes" below) No (if both A.1 and A.2 are checked "no" below)

1. Construction: (Is there evidence that the route or route segment was originally constructed using mechanical means?) **No**

Examples: Paved___ Bladed___ Graveled___ Roadside Berms___ Cut/Fill___ Other _

Describe: Given its alignment and local topography, this route may have been constructed in the past.

2. Improvements: (Is there evidence of improvements using mechanical means to facilitate access?)

No If "yes": by Hand Tools___ by Machine___

Examples: Culverts___ Hardened Stream Crossings___ Bridges___ Drainage___ Barriers___
Other___

Describe:

B. Maintenance: (Is there evidence of maintenance that would ensure relatively regular and continuous use?): **No.**

Yes (if either B.1 or B.2 is checked "yes" below) No (if both B.1 and B.2 are checked "no" below)

1. Is there Evidence or Documentation of Maintenance using hand tools or machinery?

No If "yes": by Hand Tools ___ by Machine ___

Explain:

2. If the route or route segment is in good⁵ condition, but there is no evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route in the event this route became impassable?

No

Explain: No access purposes have been identified for this route.

C. Relatively regular and continuous use: (Does the route or route segment ensure relatively regular and continuous use?) **No**

Describe evidence:

There is no evidence of use of this route.

IV. CONCLUSION:

Does the route or route segment⁷ meet the definition of a wilderness inventory road (*i.e., are items III.A and III.B and III.C all checked yes*)?

Yes ___ = Wilderness Inventory Road No **X** = Not a road for wilderness inventory purposes

Explanation⁸: This route is not described in the citizen's proposal received in February 2016.

Evaluator(s):

Date: May 2016

Francisco Mendoza, Outdoor Recreation Planner

WILDERNESS CHARACTERISTICS INVENTORY

APPENDIX D – PHOTO LOG Inventory Area Unique Identifier AZ-022-021 – Kestrel

Photographer(s): Jim Mahoney

Table 16: Photo Log.

Date	Frame #	Camera Direction	Description	GPS/UTM Location	Photo Point#
08/14/2013	N/A	W	Kestrel Grasslands w/ Huachuca Mountain's	31°30'0.16"N 110° 7'54.49"W	1
08/14/2013	N/A	S	Kestrel Grasslands w/ Sierra San Jose	31°28'15.99"N 110° 6'54.06"W	2
04/20/2015	N/A	WSW	Del Valle Road and Kestrel Grasslands and Uplands (BLM #102)	31°30'45.13"N 110° 8'12.43"W	3
06/27/2013	N/A	N	Desert Hackberry in Garden Wash	31°32'15.90"N 110° 8'39.00"W	4
06/27/2013	N/A	W	Young Arizona Ash in Miller Wash	31°29'52.70"N 110° 7'51.20"W	5
04/20/2015	N/A	E	Carr-Ramsey Wash	31°30'24.61"N 110° 8'14.52"W	6
04/20/2015	N/A	NW	Meander in Carr-Ramsey Wash	31°30'23.02"N 110° 8'36.11"W	7
04/21/2015	N/A	N to E	Kestrel Uplands, South of Hunter Wash	31°28'6.05"N 110° 8'19.71"W	8
04/21/2015	N/A	E	Kestrel Upland and Native Grassland, South of Hunter Wash	31°27'58.53"N 110° 8'16.56"W	9
06/28/2013	N/A	W	Paleo Channel	31°29'58.49"N 110° 8'2.79"W	10
06/28/2013	N/A	W	Miller Wash	31°29'52.83"N 110° 7'51.36"W	11
04/20/2015	N/A	N	Small Rattlesnake at Edge of Kestrel Grasslands	31°31'18.89"N 110° 8'12.20"W	12
06/29/2013	N/A	W	Soaptree Wash	31°29'23.39"N 110° 7'40.27"W	13
09/23/2013	N/A	NW	Cluster of Migrating Bees in Mesquite	31°30'55.19"N 110° 8'15.71"W	14

AZ-G022-021 – Kestrel Photo Point #1



Figure 1: Kestrel Grasslands and Huachuca Mountains

AZ-G022-021 – Kestrel Photo Point #2



Figure 2: Kestrel Grasslands and Sierra San Jose

AZ-G022-021 – Kestrel Photo Point #3



Figure 3: Del Valle Road and Kestrel Grasslands and Uplands (BLM #102)

AZ-G022-021 – Kestrel Photo Point #4



Figure 4: Desert Hackberry in Garden Canyon Wash

AZ-G022-021 Kestrel Photo Point #5



Figure 5: Young Arizona Ash in Miller Wash

AZ-G022-021 Kestrel Photo Point #6



Figure 6: Carr-Ramsey Wash

AZ-G022-021 Kestrel Photo Point #7



Figure 7: Meander in Carr-Ramsey Wash

AZ-G022-021 Kestrel Photo Point #8



Figure 8: Kestrel Upland, South of Hunter Wash. San Pedro River in Middle Distance

AZ -G022-021 Kestrel Photo Point #9



Figure 9: Kestrel Upland and Native Grassland, South of Hunter Wash

AZ-G022-021 Kestrel Photo Point #10



Figure 10: Paleo Channel

AZ-G022-021 Kestrel Photo Point #11



Figure 11: Miller Canyon Wash

AZ-G022-021 Kestrel Photo Point #12



Figure 12: Small Rattlesnake at Edge of Kestrel Grasslands

AZ-G022-021 Kestrel Photo Point #13



Figure 13: Soaptree Wash

AZ-G022-021 Kestrel Photo Point #14



Figure 14: Cluster of Migrating Bees in Mesquite

FORM 2-

Current Conditions: Presence or Absence of Wilderness Characteristics

Area Unique Identifier: AZ-G022-022 - Jaguar

Acreage: 2,988

(1) Is the area of sufficient size? No

Location: The area is in the southern part of the San Pedro Riparian National Conservation Area (SPRNCA), along the riparian area, bounded on the north by the San Pedro House, on the west by del Valley Road, on the east by the patented Union Pacific Railroad Right of Way (ROW), and on the south by Hereford Road, as shown on Map 6- Inventory Unit AZ-G022-022-Jaguar.

Does the area meet one of the exceptions to the size criterion? No

Roadless areas of less than 5,000 acres of contiguous Bureau of Land Management (BLM) lands may meet an exception to the size criteria where any one of the following applies:

a) They are contiguous with lands which have been formally determined to have wilderness or potential wilderness values, or any Federal lands managed for the protection of wilderness characteristics. Is the inventory unit adjacent to a:

(1) Designated Wilderness? No.

(2) BLM Wilderness Study Areas? No.

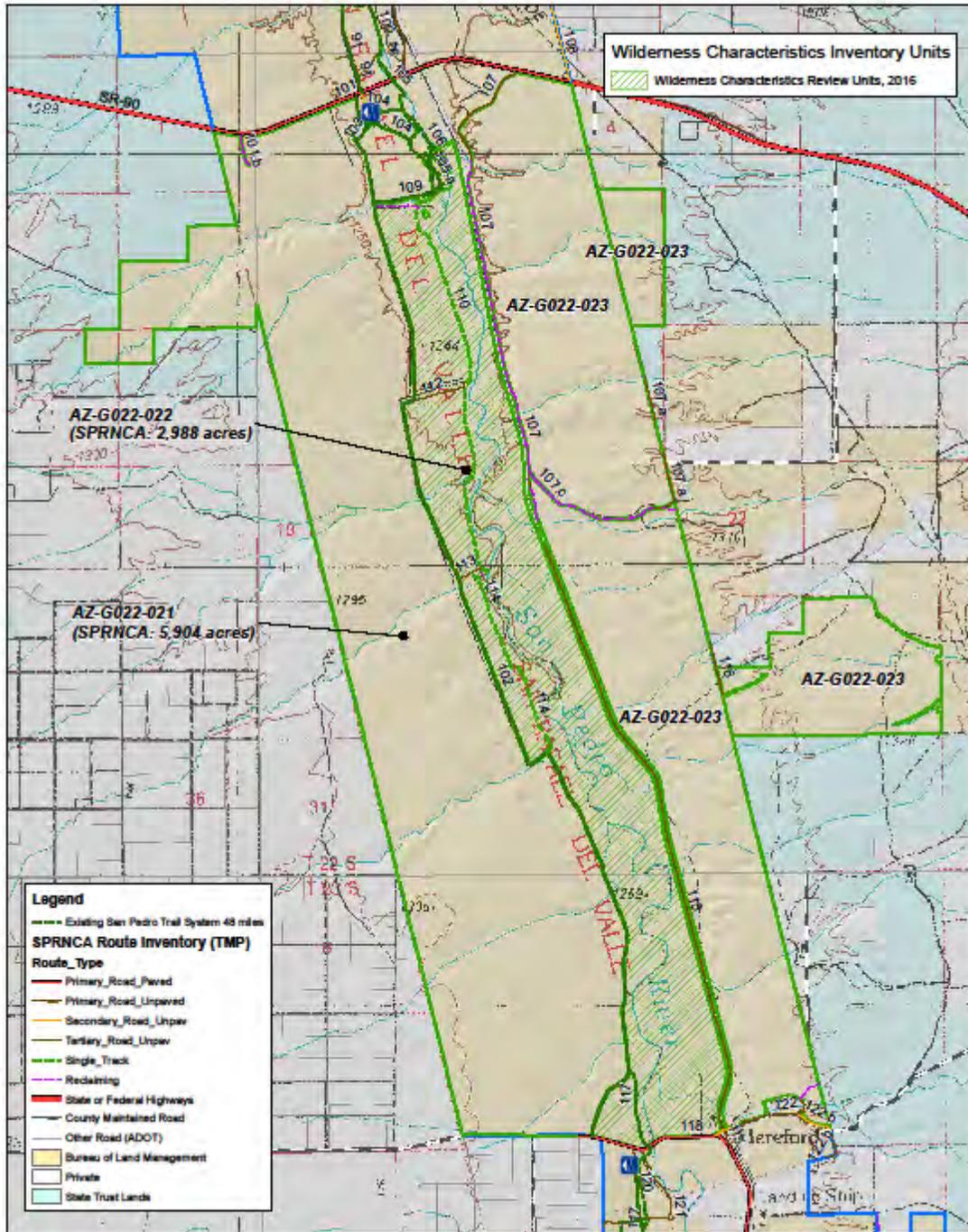
(3) U.S. Fish and Wildlife Service (USFWS) areas Proposed for Wilderness Designation? No.

(4) U.S. Forest Service (USFS) Wilderness Study Areas or areas of Recommended Wilderness? No.

(5) National Park Service (NPS) areas Recommended or Proposed for Designation? No.

b) Can it be demonstrated that the area is of sufficient size as to make practicable its preservation and use in an unimpaired condition: No. The inventory unit configuration is long and narrow (7 miles long by approximately 0.5 mile wide).

c) Is the unit a roadless island of the public lands? No: This inventory unit is part of a larger block of BLM lands, separated by a road or natural drainage, and is not considered an island.



Description:

The northern boundary follows natural drainages south of the San Pedro House, and the San Pedro River. The western boundary is the del Valle Road, determined to meet the wilderness definition for

a 'road'. The eastern boundary is approximately 8 miles of the westerly limit of the patented Union Pacific Railroad ROW; the track and appurtenant infrastructure was removed for scrap in 2006. The southern boundary is the northern limit of the Hereford Road and Copper Glance Road ROWs.

This inventory unit includes the San Pedro River and bottom land along the riparian area. The unit is within the SPRNCA, and under management to achieve the resource conservation, resource protection and resource enhancement purposes in the establishing legislation P.L. 100-696. The unit also includes part of the existing Wild and Scenic River study corridor, described in the 1996 Arizona Statewide Rivers Study Report, and determined suitable for designation with a 'Recreational' classification. The inventory unit includes several revegetating farm fields along del Valle Road, and remnants of farm houses and farm fields north of Copper Glance Rd, totaling approximately. 825 acres The farm fields are revegetating to native grass dotted by trees and shrubs, and are bordered in places by dikes and berms.

(2) Does the area appear to be natural? N/A

Description:

(3) Does the area have outstanding opportunities for solitude? N/A

Description:

(4) Does the area have outstanding opportunities for primitive and unconfined recreation? N/A

Description:

(5) Does the area have supplemental values: N/A

Description:

N/A

1 **Summary of Analysis**

2
3 Area Unique Identifier: AZ-G022-022 - Jaguar

4
5 Results of analysis: Wilderness characteristics are not present in this inventory unit.

6
7 1. Does the area meet any of the size requirements? No

8
9 2. Does the area appear to be natural? N/A

10
11 3. Does the area offer outstanding opportunities for solitude or a primitive and unconfined type
12 of recreation? N/A

13
14 **4. Prepared by (Team Members):**

15 Jim Mahoney, BLM Outdoor Recreation Planner (August 2015 Draft)

16 Heather Swanson, BLM Natural Resources Specialist (August 2015 Draft)

17 Francisco Mendoza, BLM Outdoor Recreation Planner (May 2016 Final)

18 Ken Mahoney, Arizona BLM National Conservation Lands Program Lead (Primary reviewer of
19 August 2015 and May 2016 Inventories)

20
21 **Reviewed by (District of Field Manager)**

22
23 Name: Title: TUCSON FIELD MANAGER

24
25 Date: 5/11/2016

26
27 This form documents information that constitutes an inventory finding on wilderness
28 characteristics. It does not represent a formal land use allocation or a final agency decision
29 subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.

30
31

FORM 2-

WILDERNESS CHARACTERISTICS INVENTORY

Current Conditions: Presence or Absence of Wilderness Characteristics

Area Unique Identifier: AZ-G022-023 – Banning Creek

Acreage: 5,013

(1) Is the area of sufficient size? No

Location: This wilderness inventory unit is in the southeastern part of the SPRNCA. It was included in the February 2016 citizen's inventory report, with a unit name of 'South East Unit, with approx. 3,900 acres within the SPRNCA. Subsequent review of the inventory unit identified contiguous BLM administered lands adjacent to the SPRNCA, which were evaluated as part of the unit, with an expanded boundary that includes approx. 5,013 acres.

This unit includes approx. 3,995 acres of land in the SPRNCA, and approx. 1,018 acres on lands adjacent to the SPRNCA evaluated as part of a contiguous block of BLM land, as shown on Map 7- Inventory Unit AZ-G022-023-Banning Creek.

The route analysis completed for this inventory unit identified a route which meets the definition for a wilderness inventory road (107.c), shown on Map 7. This route was constructed for hauling mineral materials (sand and gravel) from quarries along the bottom of Banning Creek which were in operation since before the lands now comprising the SPRNCA were reconveyed. The quarry operations ceased shortly after the SPRNCA was established, and the quarries were reclaimed using heavy equipment to promote stability of slopes, sediment control, infiltration, and revegetation. The areas disturbed by the quarry and restoration are reclaiming, but they are still a noticeable disturbance affecting the naturalness of the canyon bottom and lower slopes along Banning Creek.

Wilderness inventory road 107.c provides access to the quarry restoration area, and SPRNCA lands between the UPRR and the SPRNCA boundary, from Tylers Trek Road, outside the SPRNCA. The road divides the inventory unit into two sub-units, both of which are less than 5,000 acres, including the acreage of the contiguous parcels, as shown on Map 7. The north sub-unit includes approx. 2,110 acres, and the southern unit includes approx. 2,896 acres.

Does the area meet one of the exceptions to the size criterion? No

Roadless areas of less than 5,000 acres of contiguous BLM lands may meet an exception to the size criteria where any one of the following apply:

a) They are contiguous with lands which have been formally determined to have wilderness or potential wilderness values, or any Federal lands managed for the protection of wilderness characteristics. Is the inventory unit adjacent to a:

(1) Designated Wilderness? No.

(2) BLM Wilderness Study Areas? No.

- (3) U.S. Fish and Wildlife Service areas Proposed for Wilderness Designation? No.
- (4) U.S. Forest Service (FS) Wilderness Study Areas or areas of Recommended Wilderness? No.
- (5) National Park Service (NPS) areas Recommended or Proposed for Designation? No.

b) Can it be demonstrated that the area is of sufficient size as to make practicable its preservation and use in an unimpaired condition: No. The inventory unit is divided by a wilderness inventory road (107.c) into two sub-units. The configuration of both units is long and narrow (3 miles long by about a mile wide in the northern unit, and 4 miles long by approx. 1/2 to 1 mile wide in the southern unit). Topographic relief is low, and the units are have a largely open landscape.

c) Is the unit a roadless island of the public lands? No: This inventory unit's two sub-units are part of a larger block of BLM lands, separated by wilderness inventory roads, and is not considered an island.

Description (*describe the boundaries of the area--wilderness inventory roads, property lines, etc.*):

The northern boundary of the expanded inventory unit is approx. 1/2 mile along the southern limit of the SR90 right of way (ROW # A-22095). This boundary is fenced. The western boundary is approx. 1.0 mile of an existing primitive access route (BLM #107), and the eastern limit of the patented Union Pacific Railroad (UPRR) right of way (ROW). The UPRR includes the abandoned railroad bed, and a primitive access route (BLM #107, #115).

The eastern boundary follows the SPRNCA boundary, and other land lines and travel routes on BLM lands adjacent to the SPRNCA. The southern boundary is approx. 3/4 miles along the northern limit of the Hereford Rd. and Copper Glance Road ROWs, maintained by Cochise County. This boundary is also fenced

(2) Does the area appear to be natural? N/A

Description (*include land ownership, location, topography, vegetation, and summary of major human uses/ activities*):

(3) Does the area have outstanding opportunities for solitude? N/A

Description (*describe the area's outstanding opportunities for solitude*):

(4) Does the area have outstanding opportunities for primitive and unconfined recreation? N/A

Description (*describe the area's outstanding opportunities for primitive and unconfined recreation*):

(5) Does the area have supplemental values (*ecological, geological, or other features of scientific, educational, scenic or historical value*)?

Description: N/A

Summary of Analysis

This information constitutes an inventory finding on wilderness characteristics. It does not represent a formal land use allocation or a final agency decision subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3

Area Unique Identifier: AZ-G022-023 – Banning Creek

Results of analysis: Wilderness characteristics are not present in this inventory unit.

1. Does the area meet any of the size requirements? No
2. Does the area appear to be natural? N/A
3. Does the area offer outstanding opportunities for solitude or a primitive and unconfined type of recreation? N/A
4. Does the area have supplemental values? N/A

Prepared by (Team Members):

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Heather Swanson, BLM Natural Resources Specialist (August 2015 Draft)

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Ken Mahoney, Arizona BLM National Conservation Lands Program Lead (Primary reviewer of August 2015 and May 2016 Inventories)

Reviewed by (District of Field Manager)

Name:  Title: TUCSON FIELD MANAGER

Date: 5/12/2016

This form documents information that constitutes an inventory finding on wilderness characteristics. It does not represent a formal land use allocation or a final agency decision subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.