

**HABITAT PARTNERSHIP COMMITTEE
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

HPC Project Number:	18-524
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PROJECT INFORMATION

Project Title:	Walking S Wells
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Game Management Unit:	35A	Region:	5
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Local Habitat Partnership Committee (LHPC):	Was the project presented to the LHPC?
Sierra Vista- Douglas HPC	Yes

Project Location: (Please provide lat/long in decimal degrees or meters of project area using datum WGS84 or NAD83. If project is larger than one point, please include them all. Provide an accompanying shapefile as an attachment for the project area).

LATITUDE/NORTHING: 31.614771000000001

LONGITUDE/EASTING: -110.42059999999999

MULTIPLE LOCATION COORDINATES:
Please separate coordinate pairs with names & commas. (ex. Bob's Tank 34.365, -110.663. Clear Spring 34.55, -110.107, etc.):

Project Type:	Water Project	Number of acres that will be enhanced:	
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Water Project Action (if applicable):	Pipeline (new, replacement, repair, other)
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Habitat Restoration Action (if applicable):	NA
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Other Project Type and Action (if applicable):	NA
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Has this project been submitted in previous years?	Yes
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PROJECT SUMMARY

Describe the proposed action only. Please use plain English, what action are you proposing? (If applicable, please reference any completed compliance including EAC#).

Brief Project Summary: Walking S Wells is the third phase of a five-phase project to restore water and habitat on a 1,700 acre State Trust Land lease sandwiched between the Babacomari Ranch and Fort Huachuca. This project will restore two permanent water sources on the property through installation of pipeline from one well to a booster pump and then to a storage tank and drinker. This project will benefit both big and small game species, including mule deer, pronghorn, white-tailed deer, javelina, Gould's turkeys, Montezuma quail, and scaled quail.

Primary Big Game Wildlife Species to Benefit:	Mule deer, pronghorn, white-tailed deer, javelina
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Implementation Schedule (Month/Day/Year)	START DATE: 3/1/2019	COMPLETION DATE: 3/31/2020
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PROJECT FUNDING

<p style="text-align: center;">Project Funding</p> <p>*Qualifying Cost Share should be restricted to support (materials, compliance, and or labor) of the proposed action ONLY (same time and place). Please do not include previously purchased supplies or past completed work.</p>	<p style="text-align: center;">Itemized Use of Funds</p> <p>Please email separate quotes if HPC funds are to be used to purchase materials or contracted labor: HPC@azgfd.gov.</p>
<p><u>HPC Funds Requested</u></p> <p>Amount: \$ 10458</p> <p><u>Cost Share or Matching Funds</u> Project is 91% cost-shared by NRCS, the lessee, and the Arizona Mule Deer Organization Amount: \$107203</p> <p><u>Percent Match</u> (of the total project cost)</p> <p><u>Total Project Cost</u></p> <p>Amount: \$ 117661</p>	<p>HPC Funds Requested: 5,950' (2,211 lbs) of 200 PSI HDPE at \$4.73/lb \$10,458</p> <p>Cost Share/Matching Funds:</p> <p>4 solar pumping plants \$22,381.44</p> <p>4 water storage tanks \$24,300</p> <p>4 drinking troughs \$8,880</p> <p>9,700' of 267 PSI HDPE pipe \$21,105.26</p> <p>6,164' wildlife-friendly fencing \$11,834.88</p> <p>355 acres whitethorn treatment \$18,701.40</p> <p>Total cost share: \$107,203</p> <p>Total project cost: \$117,661</p>

ENVIRONMENTAL COMPLIANCE

Please indicate the status of the Project's compliance. if you are unsure, please reference:

HPC Compliance Checklist (<https://www.azgfd.com/wildlife/hpc/forms/>).

If you have questions regarding the requirement of an EAC, contact AGFD's Project Evaluation Program:

(<https://www.azgfd.com/wildlife/planning/projevalprogram/>).

***Please email supporting compliance documents to HPC@azgfd.gov ***

AGFD EA Checklist Completed:	No;	Completion Date:	
NEPA Completed:	; Yes	Completion Date:	
State Historic Preservation Office/ Archaeological Clearance:	Alisha Phipps, with the NRCS, will be conducting the archaeological clearances for the 5-phase project, and anticipates having the evaluation completed by December, 2018. At that point, the entire 5-phase project will be shovel ready.	Completion Date:	

CONTACT INFORMATION

Applicant

The project applicant is the responsible party for seeing the work through to completion.

APPLICANT NAME: Katie Kahla

PHONE: 520-604-2678

ORGANIZATION: rancher

EMAIL: doublediamondrs@gmail.com

ADDRESS:

AGFD Project Proponent

The Project Proponent is responsible for compliance, implementation, and annual/final reporting requirements.

AGFD CONTACT NAME: Brittney Oleson

PHONE:

Cooperators

COOPERATOR NAME(S), ORGANIZATION, ROLE IN PROJECT: Brittany Oleson, Wildlife Manager, Arizona Game and Fish Department – proposal submission, reporting
 Katie and Sid Kahla, ranchers/lessees – provide match funding and labor
 Terry Herndon, Arizona Mule Deer Organization (AMDO) – provide match funding (primarily through solar panels) and labor
 Alisha Phipps, Natural Resources Conservation Service (NRCS) – project design, funding assistance for phases 1-5
 Brittany Oleson, Wildlife Manager, Arizona Game and Fish Department – proposal submission, reporting
 Rancher's Well Service – well pump installation and wiring

PROJECT NEED AND DESCRIPTION

Please use direct language: why is this project important? What problem will be solved? How will you implement it, and how will the habitat be enhanced? Please include # of acres, methods, roles, and any phases. Please be specific and thorough.

NEED STATEMENT – PROBLEM ANALYSIS: The project area is a 1,700 acre State Trust Land lease sandwiched between the Babacomari Ranch and Fort Huachuca. Katie and Sid Kahla are new lessees and are attempting to restore the water availability and habitat quality of the lease. There are wells on the East and West ends of the property however the pumping systems on the wells are no longer functioning. Whitethorn acacia has taken over large swaths of the East and North ends of the lease, and the East/West pasture division fence is falling apart and presents a hazard to wildlife and livestock. The area is important to local mule deer herds, and once habitat is restored it will also attract individuals from our expanding pronghorn population. The project has been broken into five phases. The first three phases will create two permanent water sources for wildlife and cattle where currently none exist, while the fourth phase will replace old dangerous fence with wildlife-friendly fence to separate two pastures and distribute the cattle. The fifth phase will treat a large swath of brush to reduce whitethorn. Whitethorn removal on the Walking S lease will tie in with whitethorn removal being conducted concurrently on the adjacent Babacomari and nearby Rosetree Ranches, thus resulting in landscape level habitat improvement for wildlife seldom achieved in single-lessee projects. This HPC proposal is requesting funding for the pipeline portion of phase three, and is utilizing NRCS dollars from the rest of the phases as match:

1. West Well: new pump, wiring, control box, solar panels, brackets, water trough, storage tank; funded by AMDO, NRCS, and lessee
 2. East Well: new pump, wiring, control box, solar panels, brackets, water trough, storage tank; AMDO, NRCS
 3. East and West Pipeline: two solar booster pumps with wiring, control boxes, solar panels, brackets, 15,650 feet of pipeline, two 5,000 gal storage tanks, two 1,000 gallon troughs; AMDO, NRCS
 4. Fence Repair: replace old fence with 6,164 feet of new wildlife-friendly fence to separate pastures; AMDO, NRCS
 5. Brush Management: 355 acres of whitethorn aerial chemical treatment; NRCS
- This project will benefit numerous big and small game species, including mule deer, pronghorn, white-tailed deer, javelina, Gould's turkeys, Montezuma quail, and scaled quail.

PROJECT DESCRIPTION AND STRATEGIES: Walking S Wells is part of phase three of a five-phase project to restore water availability and habitat quality on the lease. Phase three consists of installing two booster pump stations and running pipeline from the wells to the booster pumps and then to storage tanks and troughs. Phase three will be funded by this HPC, the Arizona Mule Deer Organization, NRCS, and the lessee. NRCS will fund the remaining four phases. Sid and Katie Kahla will be responsible for coordinating pump and control box installation by Rancher's Well Service, and for laying the pipe, and the Arizona Mule Deer Organization will provide solar panels and assist with installation of the solar panel brackets. Mike McIntire (State Land Department) finalized the documentation and the permit for improvement for the well work was approved. Alisha Phipps, with the NRCS, will be conducting the archaeological clearances for the 5-phase project, and anticipates having the evaluation completed by December, 2018. At that point, the entire 5-phase project will be shovel ready.

LAND OWNERSHIP AT THE PROJECT SITE(S): Arizona State Land

PROJECT MONITORING PLAN: The lessees (Katie and Sid Kahla) will oversee the completion of the project and will monitor the sites for wildlife use via visual observation, tracking, and cameras. The lessees (Katie and Sid Kahla) will provide labor to maintain the new pumps and solar arrays. Water will remain available to wildlife at the well sites regardless of whether or not cattle are in the pasture.

PROJECT MAINTENANCE:

PROJECT COMPLETION REPORT TO BE FILED BY: Katie Kahla

SUPPORTING DOCUMENTS LIST:

ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET

PROJECT TITLE: _____

- 1) Was a site visit completed (Date and with whom)?

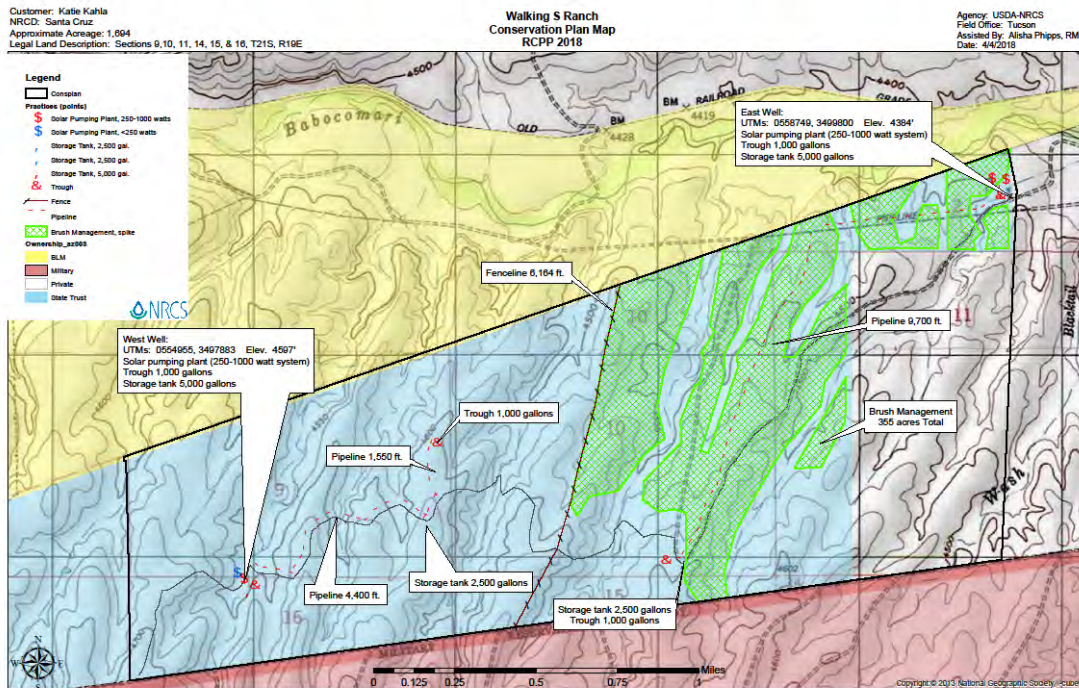
- 2) If this is a water catchment project, please list the Development Branch coordination staff and date:

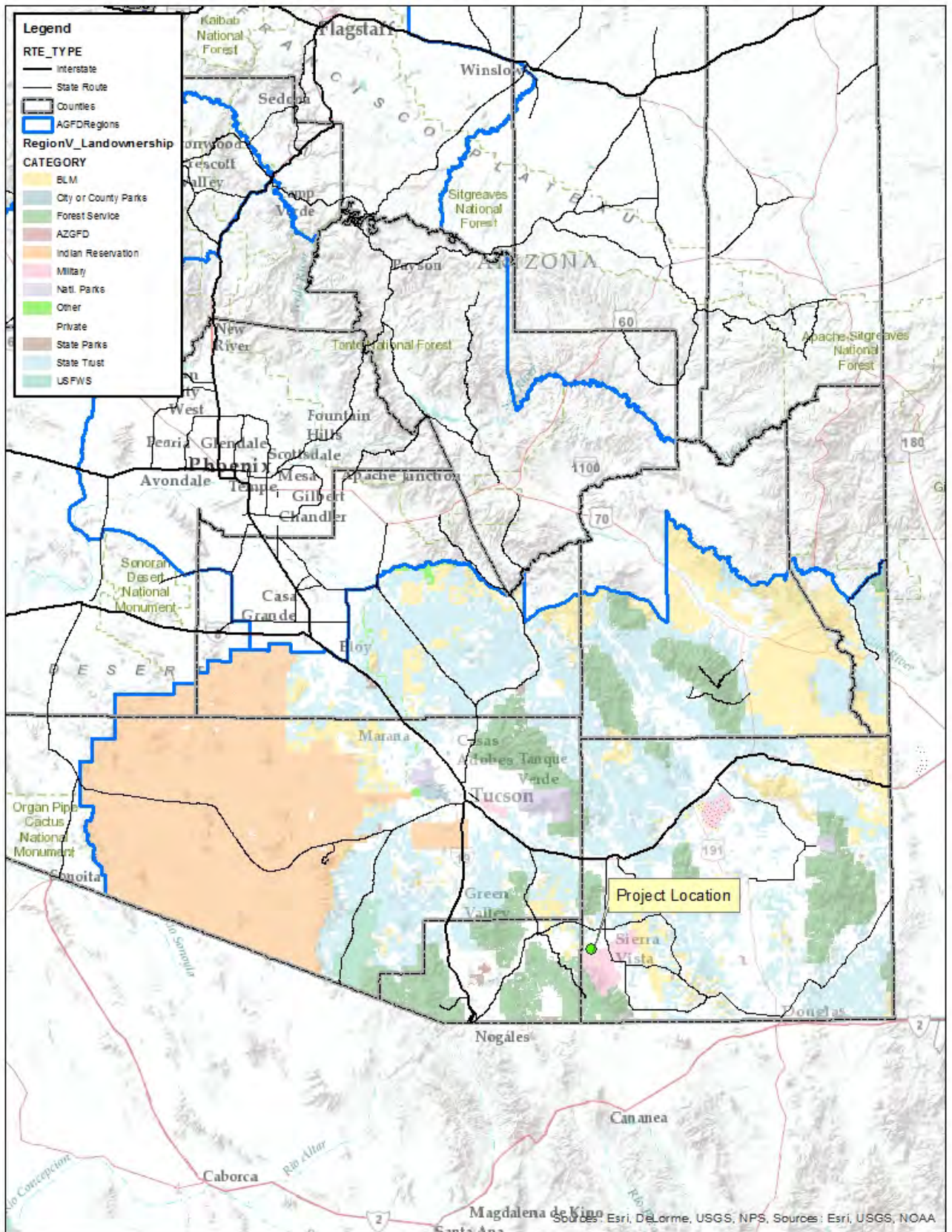
- 3) Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”

- 4) If this is a water catchment project, please list the Development Branch personnel coordinated with:

- 7) Is there a perennial water source available to big game within four miles of this project? (If so please list the names and locations)

Nearest water is 1 miles away.





2018 COST ESTIMATE RCPP (HU)									
Applicant Name:		Walking S Ranch, Kate Kahla			Land Use:		Rangeland		
Type	Practice	CIN	Plan Yr	Cost	Amount	Unit	Total		
West Well									
Solar pump	Pumping Plant (533) Solar pump, 250-1000 watts watts planned)	(339)	1	2019	\$6,095.91	1	Ea	\$6,095.91	6096
Storage tank	Watering Facility (614) 1,000-5,000 gal	2	2019	\$1.62	5,000	Gal	\$8,100.00	\$8,100.00	4050
Trough	Watering Facility (614) >500-1,000 gal	3	2019	\$2.22	1,000	Gal	\$2,220.00	\$2,220.00	2220
East Well									
Solar pump	Pumping Plant (533) Solar pump, 250-1000 watts watts planned)	(262)	4	2020	\$6,095.91	1	Ea	\$6,095.91	6096
Storage tank	Watering Facility (614) 1,000-5,000 gal	5	2020	\$1.62	5,000	Gal	\$8,100.00	\$8,100.00	8100
Trough	Watering Facility (614) >500-1,000 gal	6	2020	\$2.22	1,000	Gal	\$2,220.00	\$2,220.00	2220
West Pipeline									
Solar pump	Pumping Plant (533) Solar pump, <250 watts planned)	(97 watts)	7	2020	\$4,093.71	1	Ea	\$4,093.71	4094
Pipeline	Pipeline (516) - HDPE (4,400 ft) (200 psi pipe)	8	2021	\$4.73	1,635	Lb	\$7,733.55	\$7,733.55	7734
Storage tank	Watering Facility (614) 1,000-5,000 gal (@ top of ridge)	9	2021	\$1.62	2,500	Gal	\$4,050.00	\$4,050.00	8100
Pipeline	Pipeline (516) - HDPE (1,550 ft) (200 psi pipe)	10	2021	\$4.73	576	Lb	\$2,724.48	\$2,724.48	2725
Trough	Watering Facility (614) >500-1,000 gal	11	2021	\$2.22	1,000	Gal	\$2,220.00	\$2,220.00	2220
East Pipeline									
Solar pump	Pumping Plant (533) Solar pump, 250-1000 watts watts planned)	(392)	12	2020	\$6,095.91	1	Ea	\$6,095.91	6096
Pipeline	Pipeline (516) - HDPE (9,700 ft) (267 psi pipe)	13	2021	\$4.73	4,462	Lb	\$21,105.26	\$21,105.26	21106
Storage tank	Watering Facility (614) 1,000-5,000 gal	14	2021	\$1.62	2,500	Gal	\$4,050.00	\$4,050.00	4050
Trough	Watering Facility (614) >500-1,000 gal	15	2021	\$2.22	1,000	Gal	\$2,220.00	\$2,220.00	2220
Fence	Fence (382)	16	2021	\$1.92	6,164	Ft	\$11,834.88	\$11,834.88	11835
Spoke	Brush Management (314) Chemical, aerial applied	17	2021	\$52.68	92	Ac	\$4,846.56	\$4,846.56	4847
Spoke	Brush Management (314) Chemical, aerial applied	18	2021	\$52.68	207	Ac	\$10,904.76	\$10,904.76	10905
Spoke	Brush Management (314) Chemical, aerial applied	19	2021	\$52.68	10	Ac	\$526.80	\$526.80	527
Spoke	Brush Management (314) Chemical, aerial applied	20	2021	\$52.68	21	Ac	\$1,106.28	\$1,106.28	1107
Spoke	Brush Management (314) Chemical, aerial applied	21	2021	\$52.68	20	Ac	\$1,053.60	\$1,053.60	1054
Spoke	Brush Management (314) Chemical, aerial applied	22	2021	\$52.68	5	Ac	\$263.40	\$263.40	264
				Sum =	355	Ac			
						TOTAL		\$117,661	117666

CIN = Contract Item Number