Arizona Water Protection Fund
FY 2011 Grant Application Review

Application # WPF0393 **Applicant:** Wilma Jenkins

Title of Project: Double Circle Ranch Erosion Control Project, Phase II

Additional materials were submitted with this application that could not be reproduced and distributed for review. These materials may be reviewed in person at the Arizona Water Protection Fund offices at (3550 N. Central Avenue, 2nd Floor, Phoenix). The additional materials available are the following:

X **Maps**
____ **Photographs**
X **Disk**
____ **Other**

WPF0393

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Arizona Water Protection Fund
Application Cover Page
FY 2011

Title of Project: Double Circle Ranch Erosion Control Project Phase II

Type of Project:
- [x] Capital or Other
- [ ] Water Conservation
- [ ] Research

Stream Type:
- [x] Perennial
- [x] Intermittent
- [ ] Ephemeral

Your level of commitment to maintenance of project benefits and capital improvements:
[ ] < 5 years [ ] 5-10 years [ ] 11-15 years [x] 16-20 years

Applicant Information:

Name/Organization: Wilma Jenkins
Address 1: PO Box 1151
Address 2:
City: Clifton
State: Arizona
ZIP Code: 85533
Phone: 865-604-9971
Fax:
Tax ID No.: [redacted]

Inside an AMA: Yes [ ] No [x]

If yes, which AMA:
- [ ] Phoenix
- [ ] Tucson
- [ ] Prescott
- [ ] Pinal
- [ ] Santa Cruz

Type of Application:
- [ ] New
- [x] Continuation

Contact Person:

Name: Wilma Jenkins
Title: Owner- Double Circle Ranch
Phone: 865-604-9971
Fax:
e-mail: DoubleCircleRanch@hughes.net

Any Previous AWPF Grants:
[x] Yes [ ] No

If yes, please provide Grant #(s):
06-135WPF , 09-163WPF

Arizona Water Protection Fund Grant Amount Requested:

$36,866.55

If the application is funded, will the Grantee intend to request an advance:
[ ] **Yes** [x] **No**

Matching Funds Obtained and Secured:

Applicant/Agency/Organization:	Amount ($):
1. Applicant	5,440.00
2. USFS & Greenlee County	5600.00
3. Skilled volunteer labor	16,875.00
Total:	27,915.00

Has your legal counsel or contracting authority reviewed and accepted the Grant Award Contract General Provisions?
[ ] Yes [ ] No [x] N/A

Signature of the undersigned certifies understanding and compliance with all terms, conditions and specifications in the attached application. Additionally, signature certifies that all information provided by the applicant is true and accurate. The undersigned acknowledges that intentional presentation of any false or fraudulent information, or knowingly concealing a material fact regarding this application is subject to criminal penalties as provided in A.R.S. Title 13. The Arizona Water Protection Fund Commission may approve Grant Awards with modifications to scope items, methodology, schedule, final products and/or budget.

Wilma Jenkins	owner - 865-604-9971
Typed Name of Applicant or Applicant's Authorized Representative	**Title and Telephone Number**
Wilma Jenkins	8-28-10
Signature	**Date Signed**

Executive Summary –
Double Circle Ranch Erosion Control Project Phase II

This project is a continuation of earlier AWPF funded erosion workshops and involves manual installation of numerous erosion control methods including one rock dams, media lunas, Zuni rock bowls, post vane structures, splash aprons, and armoring to heal erosion and stimulate revegetation on problem areas on the Double Circle Ranch. As much as possible, materials on site or close by will be used. Catching silt and stopping or slowing soil loss and increasing ground cover will improve the integrity of Sheep Wash and Eagle Creek. Excessive sediment has been shown to be the number one problem in these creeks and affects the water quality and potential habitat for aquatic and riparian species including loach minnow, spike dace, Gila Chub and Chirachahua Leopard frog.

Additional goals of this project are to educate the public. We have classes on erosion and sedimentation, endangered and species of concern on the ranch, targeted livestock grazing as an environmental tool, and a tour with explanations of all the ongoing projects funded by AWPF, ADEQ, ADA, NRCS, AZG+F, USFWS, USFS, FSA, and ourselves. The public needs to be aware of the good works going on at the Double Circle Ranch and the important contributions of our agency and private partners in this ongoing conservation work.

In addition to educating the public, we involve them by giving them hands-on, down and dirty work installing rock dams, splash aprons, armoring, and media lunas, etc. The training received in our workshops enables our volunteers to replicate the erosion structures at home and work thereby improving water quality in many locations. Our volunteers come from many areas and walks of life. They share both the desire to protect our public lands and the willingness to learn conservation skills. Phase I of the Double Circle Ranch Erosion Control Project has been the beginning of many public involvement and education sessions on the Double Circle Ranch. We are proud to have built over 80 erosion control structures to date and hope to continue this worthwhile project.

Project Overview –
Double Circle Ranch Erosion Control Project Phase II

The Double Circle Ranch is a 36,000 acre Texas longhorn cattle and eco-tourism ranch in the Apache-Sitgreaves National Forest. It is located in the Eagle Creek Watershed which is a subshed of Upper Gila River Watershed. The eastern portion of the ranch has streams which feed into the Blue River. The western, and larger, portion of the ranch has an 8 mile boundary with Eagle Creek and has streams and drainages which ultimately or directly flow into Eagle Creek, a Priority 1 stream. This project proposes erosion control work which affects Sheep Wash and Eagle Creek. Eagle Creek and Sheep Wash are either habitat or potential habitat for several endangered species or species of concern including but not limited to Chirachahua Leopard Frog, spike dace, loach minnow, and Gila Chub. In addition, the riparian areas are home and provide habitat for many bird and game species including Montezuma Quail, Bald and Golden Eagles, Common Black-Hawk, deer, elk, bear and lion and is in the heart of the Mexican Grey Wolf Reintroduction range. This project is a continuation of our Arizona Water Protection Fund Commission funded Double Circle Ranch Erosion Control Project and an erosion control workshop funded by Arizona Department of Environmental Quality.

The **overall goal** of this project is to reduce sediment load into the 2 primary creeks-Sheep Wash and Eagle Creek -while preserving our soil and grasslands which will increase water infiltration and storage capacity and increase water quality. Excessive sediment has been identified as the number one problem in Eagle Creek. Our goal is to reduce it. Double Circle Ranch has many eroded sites, many due to old, poorly constructed roads or trails. This has a two edged effect. We are losing valuable topsoil and native Arizona grasslands which provide shelter and forage for diverse and abundant wildlife. Plus, the sediment flowing into Sheep Wash and Eagle Creek is resulting in excess turbidity and reduced water quality.

Our **primary objective** is to construct numerous one rock dams, media lunas, splash aprons, Zuni rock bowls, post vane structures, and armoring in eroding gullies to catch silt and soil. These structures slow runoff and redirect flow. Sediment is trapped and held instead of flowing unabated into the creeks, resulting in improved water quality. Native grass seed is spread to help stabilize the ground and allow vegetation to grow which will anchor and enrich the soil. In the past, there were some gabions and solid rock walls built for the same purpose. These have proved ineffective as water simply goes around the sides causing eventual crumbling and structural failure. New techniques of combinations of one rock dams, media lunas, splash aprons, post vane structures, and

armoring depending on the site have proved more beneficial in trapping silt and sediment. Most materials for constructing these erosion control structures are obtainable on site or nearby. This work is labor intensive but very effective at controlling sediment runoff to our creeks.

A **secondary objective** of this project is to involve the public in the hands-on work. Volunteers receive hands-on training in site evaluation, appropriate structure choice, and actual construction methods. Three 3 day workshops are planned. This is public land- used for hunting, hiking, fishing, swimming, and bird watching. The public has a stake in the health of this ecosystem and should have the opportunity to join with the ranchers working here to preserve and protect the public land. We feel that people will welcome this chance to participate in this useful project as others have on past erosion control workshops. We have had a "full house" of volunteers at every workshop- from as close as next door neighbors to as far as Albuquerque, Flagstaff, San Diego, and Los Angeles.

A **third objective** of this grant is to educate the public and show them the many ongoing environmental projects on the Double Circle. We have been fortunate to have partnered with many agencies- both state and federal- and various private groups to accomplish major goals for the long-term enhancement of this secluded corner of Arizona. We conduct tours of riparian fencing, solar water systems, cattle herding, prescribed burning, juniper thinning, or wildlife habitat seeding as part of this educational process. In addition, each evening we will have a speaker with topics such as Leopard frog recovery, wolf recovery, water monitoring, grassland monitoring, noxious weeds, pronghorn reestablishment, cattle as environmental tools, water conservation, native birds, etc. Topics will vary based on availability of agency and private speakers.

The project erosion structures are expected to last for 40+ years but will require annual monitoring and occasional maintenance. As owners of the Double Circle Ranch, we will provide this maintenance at our expense. The public outreach hopefully will continue though generations. The benefits are huge for a small outlay of capital and a lot of sweat equity. This is a small project- but the potential to reduce sediment in Eagle Creek is huge and the potential to enlist public support and educate the public is immeasurable.

Project Location & Environmental Contaminant Information
FY 2011

Project Location Information			
1. County: Greenlee	2. Section: 21&29, 3	3. Township: T1S, T2S	4. Range: R28E

5. Watershed: Upper Gila River
6. 8 or 10 Digit Hydrologic Unit Code (HUC): 1504 0005
7. Name of USGS Topographic Map where project area is located: Bee Canyon & Coronado Mtn. Quads
8. State Legislative District: 5

(Information available at: http://159.87.126.6/mapping/default2.asp?tname=Original.2009.Legislative.Map&org2009leg=on&service=ircmaps&init=true)

9. Land ownership of project area: USFS
10. Current land use of project area: grazing lease
11. Size of project area (in acres): 7
12. Stream Name: Eagle Creek & Sheep Wash
13. Length of stream through project area: 4 miles
14. Miles of stream benefited: 7 miles
15. Acres of riparian habitat: 250 acres will be:

- ☒ Enhanced
- ☐ Maintained
- ☐ Restored
- ☐ Created

16. Provide directions to the project site from the nearest city or town. List any special access requirements:

TAKE US 191 N FROM MORENCI. TURN LEFT @ MILE MARKER 188. UPPER EAGLE CREEK.

Environmental Contaminant Location Information

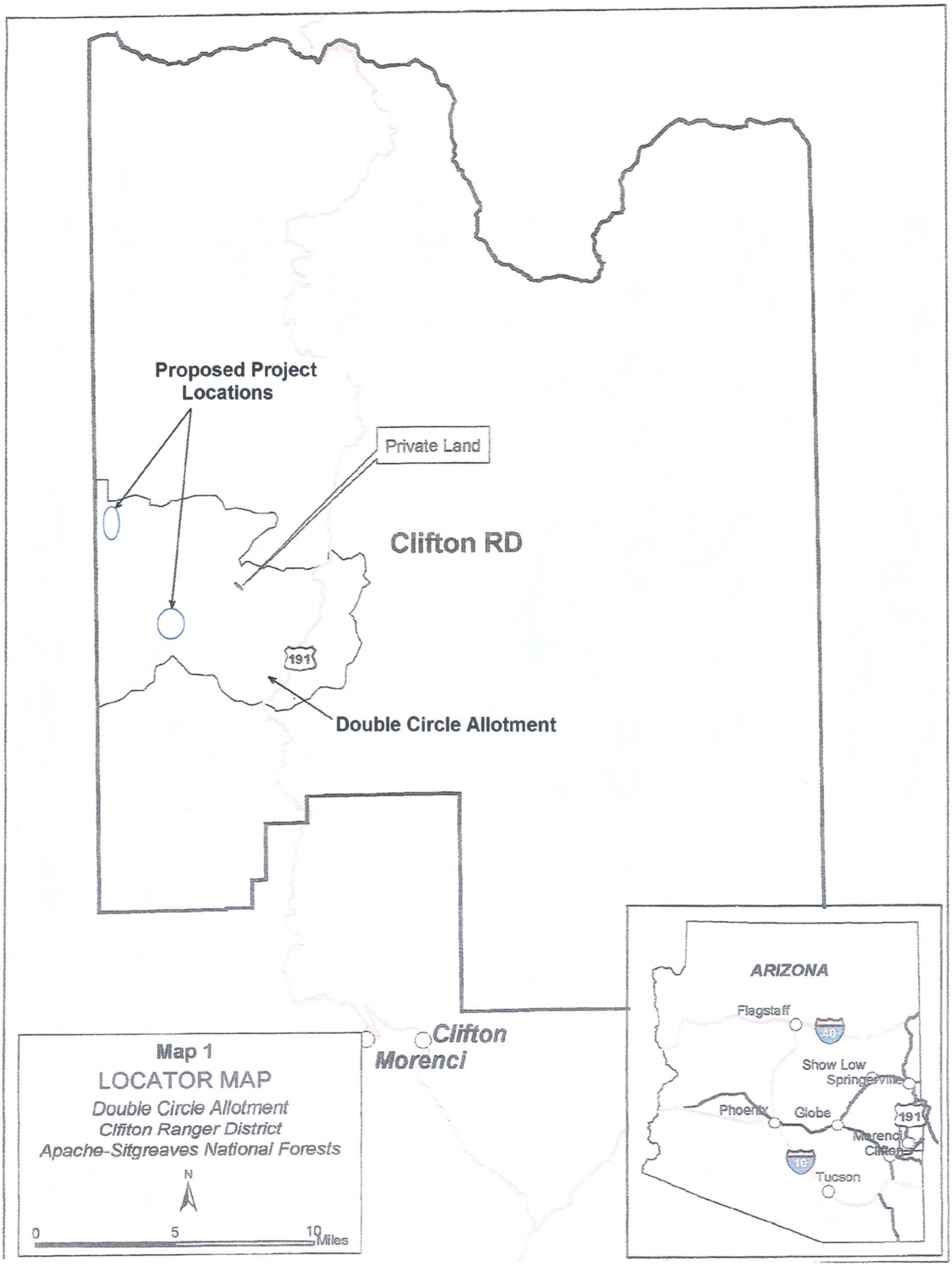
1. Does your project site contain known environmental contaminants? ☐ **YES** ☒ **NO** If yes, please identify the contaminant(s) and enclose data about the location and levels of contaminants:

2. Are there known environmental contaminants in the project vicinity? ☐ **YES** ☒ **NO** If yes, please identify the contaminant(s) and enclose data about the location and levels of contaminants:

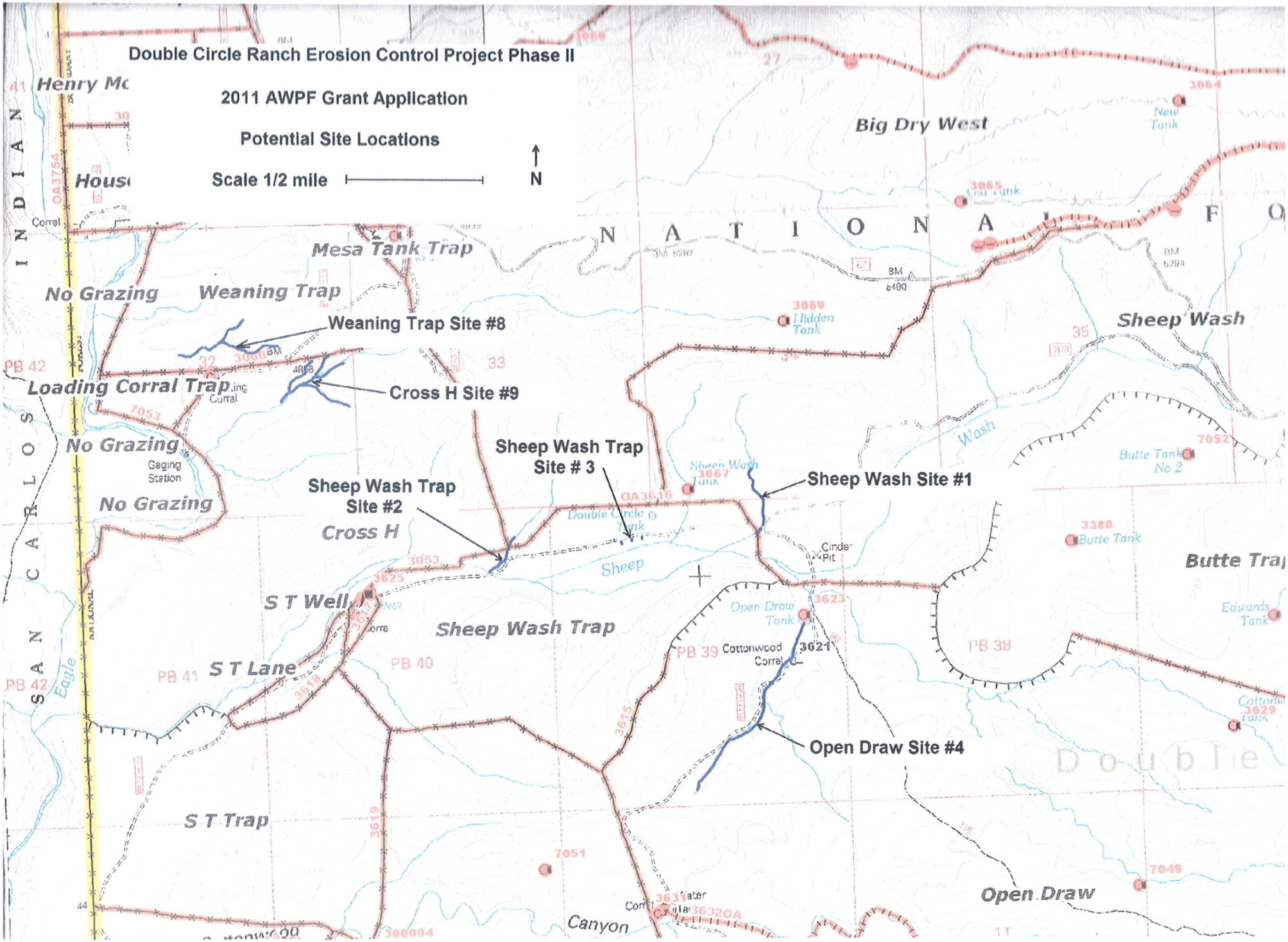
3. Are you asking for Arizona Water Protection Fund monies to identify whether or not environmental contaminants are present? ☐ **YES** ☒ **NO**

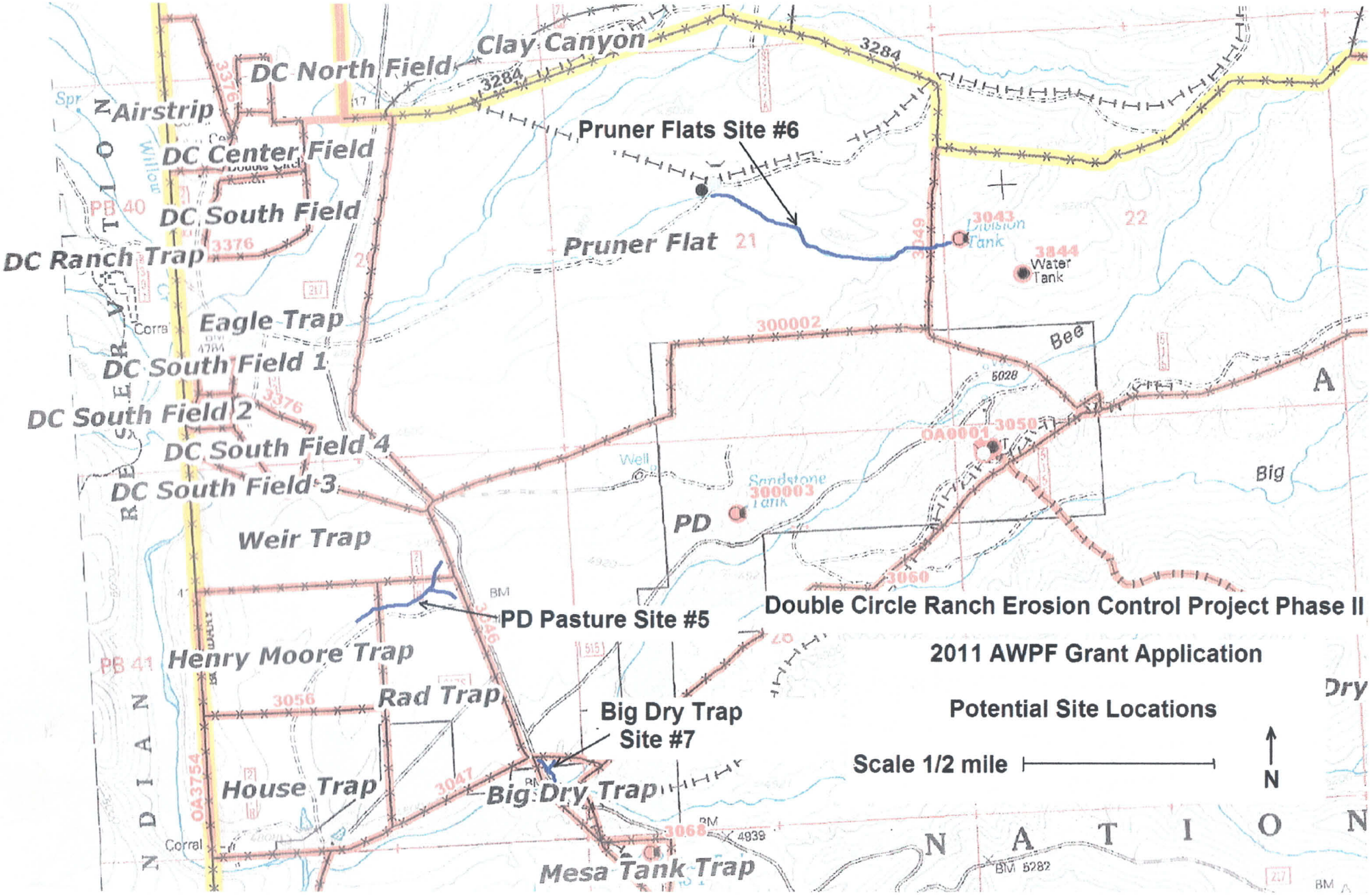
Arizona Watershed Map
FY 2011

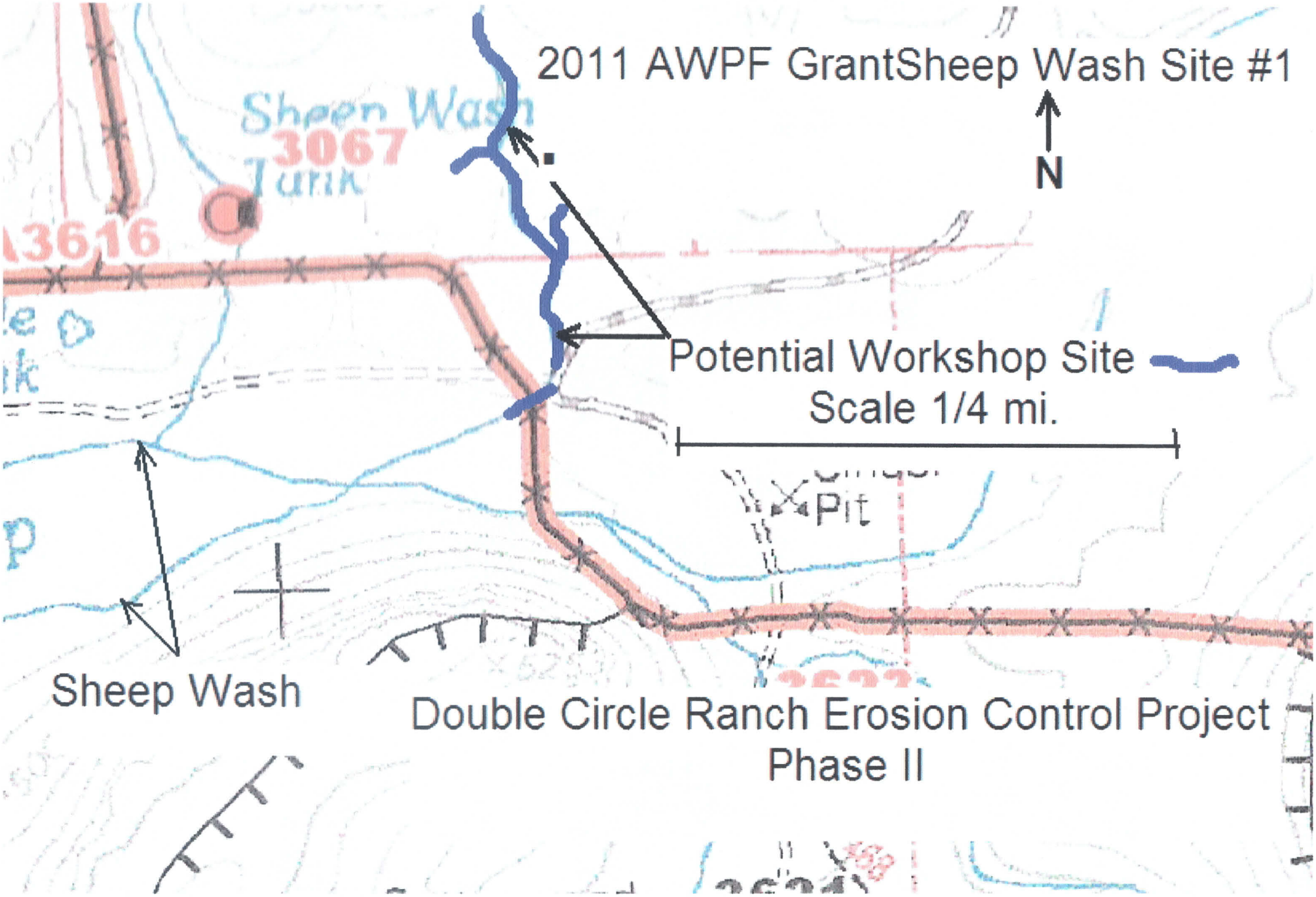
Title of Project: **Double Circle Ranch Erosion Control Project Phase II**

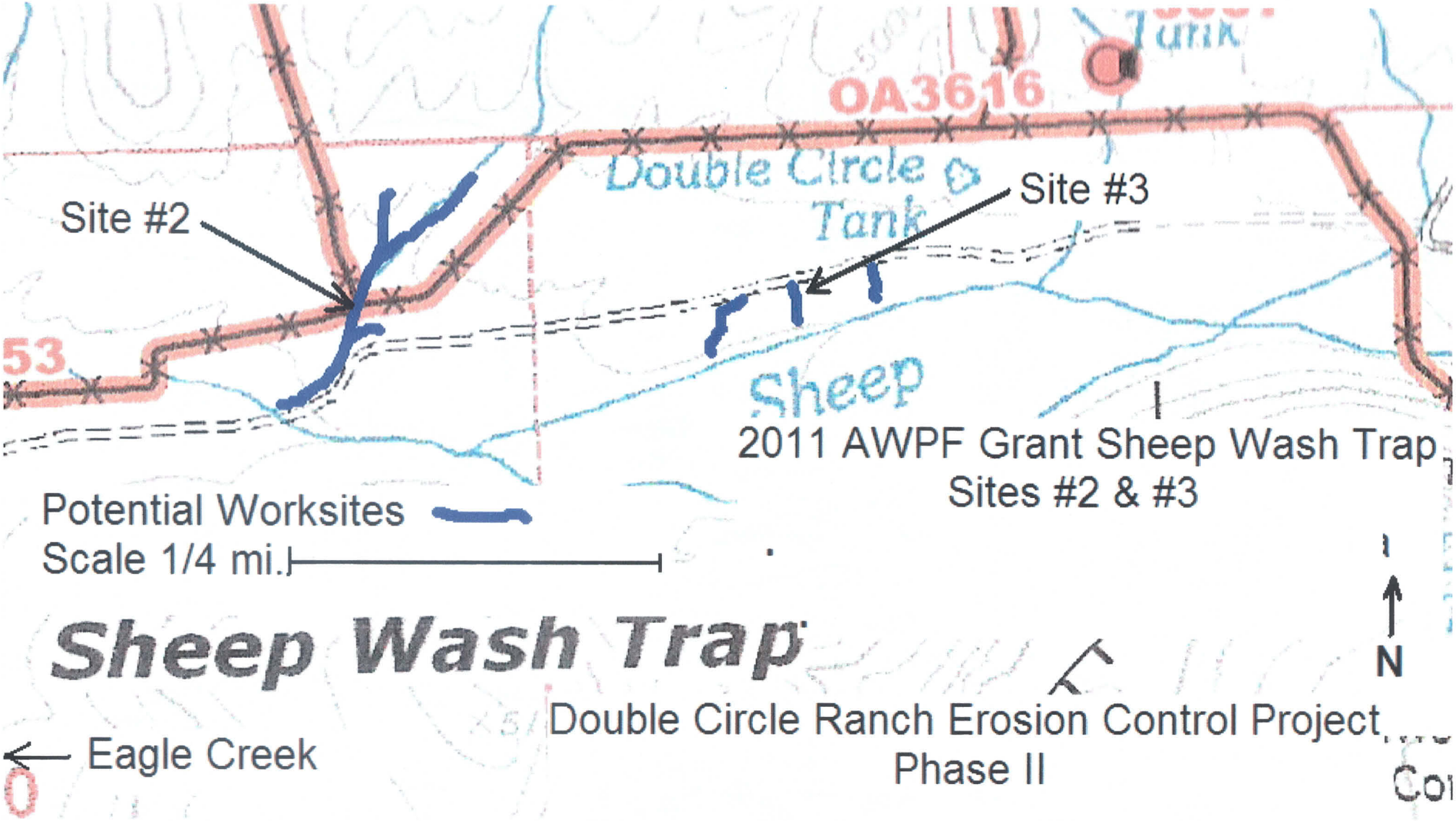


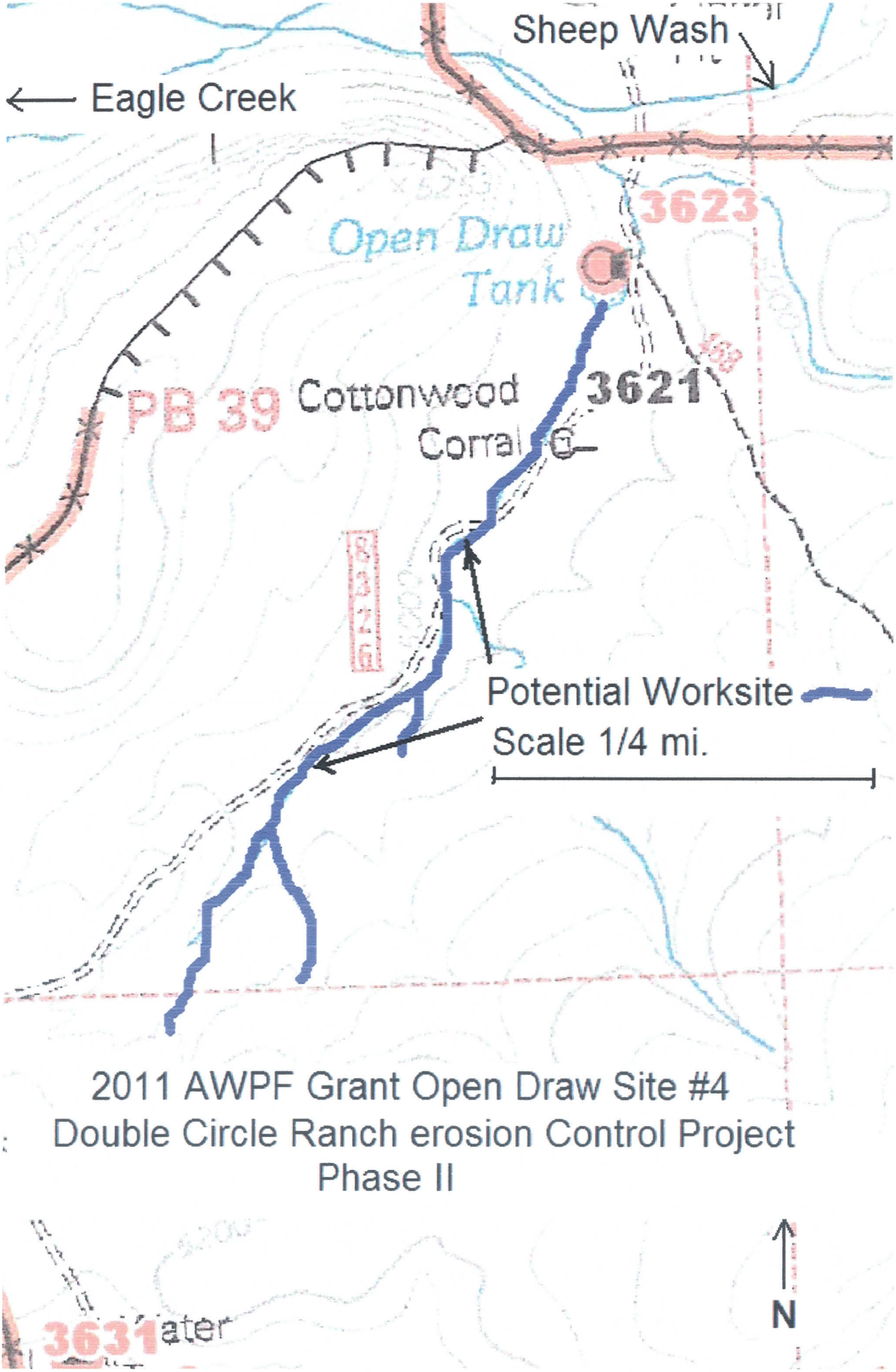
Map 1
LOCATOR MAP
Double Circle Allotment
Clifton Ranger District
Apache-Sitgreaves National Forests


Double Circle Ranch Erosion Control Project Phase II
2011 AWPF Grant Application
Potential Site Locations
Scale 1/2 mile
N
Weaning Trap Site #8
Cross H Site #9
Sheep Wash Trap Site # 3
Sheep Wash Trap Site #2
Sheep Wash Site #1
Open Draw Site #4
Big Dry West
Mesa Tank Trap
No Grazing
Weaning Trap
Loading Corral Trap
Cross H
S T Well
S T Lane
Sheep Wash Trap
S T Trap
Sheep Wash
Butte Trap
Open Draw
Canyon
Double
Sheep
Wash
Cottonwood Corral
Cinder Pit
Gaging Station
Hidden Tank
Butte Tank
Butte Tank No 2
Edwards Tank
Open Draw Tank
Double Circle Tank
Sheep Wash Tank
New Tank
Old Tank
Eagle
INDIAN
SAN CARLOS
PB 42
PB 41
PB 40
PB 39
PB 38
3064
3065
3069
3067
3380
3629
3623
3621
3625
3053
3615
3619
7051
7049
7052
7053
3066
3631
3632OA
300004

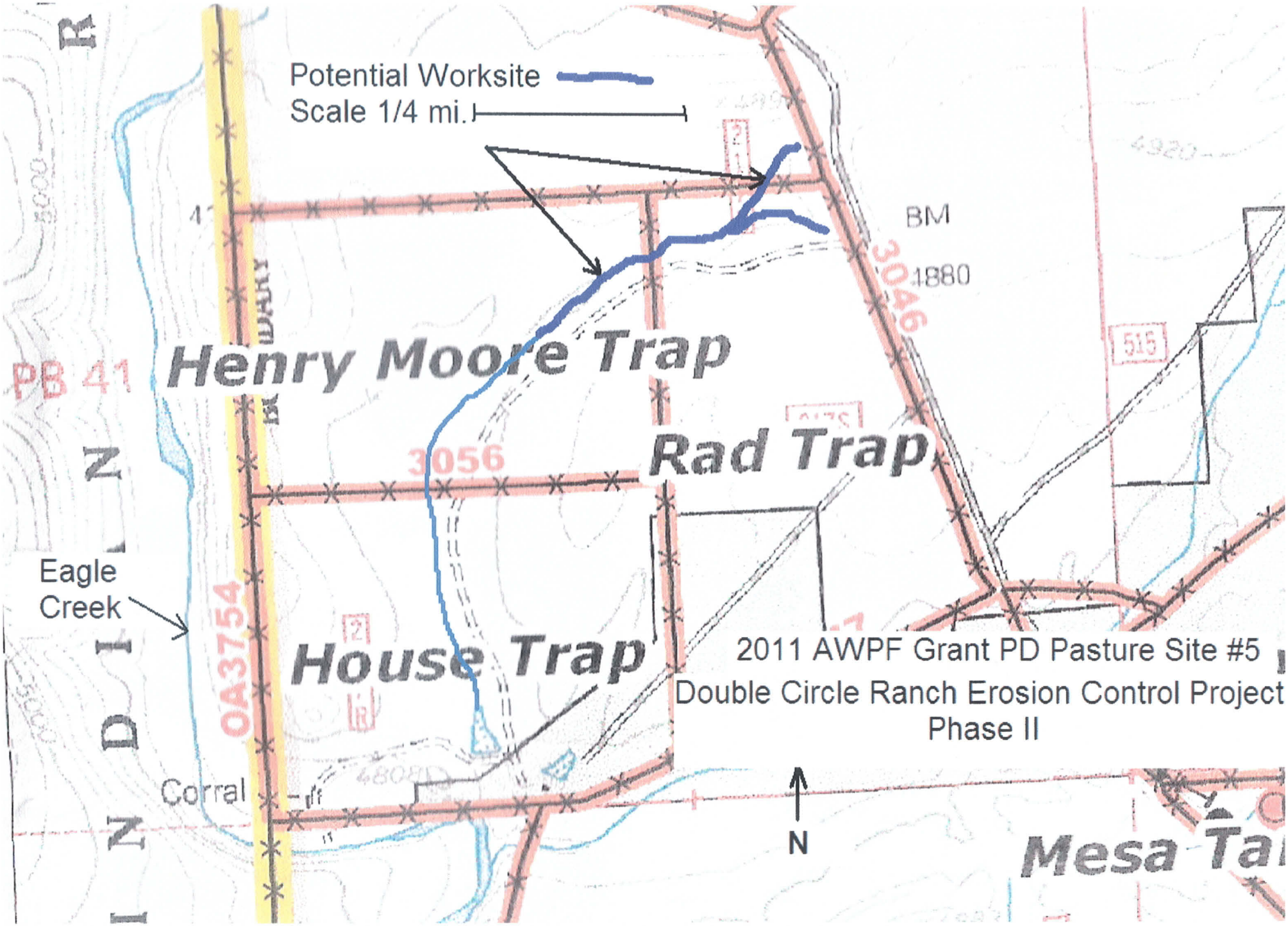

Clay Canyon
DC North Field
Airstrip
DC Center Field
DC South Field
DC Ranch Trap
Pruner Flats Site #6
Pruner Flat
Eagle Trap
DC South Field 1
DC South Field 2
DC South Field 4
DC South Field 3
Weir Trap
PD
PD Pasture Site #5
Henry Moore Trap
Rad Trap
Big Dry Trap
Site #7
House Trap
Big Dry Trap
Mesa Tank Trap
Water Tank
Division Tank
Sandstone Tank
Double Circle Ranch Erosion Control Project Phase II
2011 AWPF Grant Application
Potential Site Locations
Scale 1/2 mile
N


2011 AWPF GrantSheep Wash Site #1
N
Sheep Wash
3067
Tank
3616
Potential Workshop Site
Scale 1/4 mi.
Pit
Sheep Wash
Double Circle Ranch Erosion Control Project
Phase II

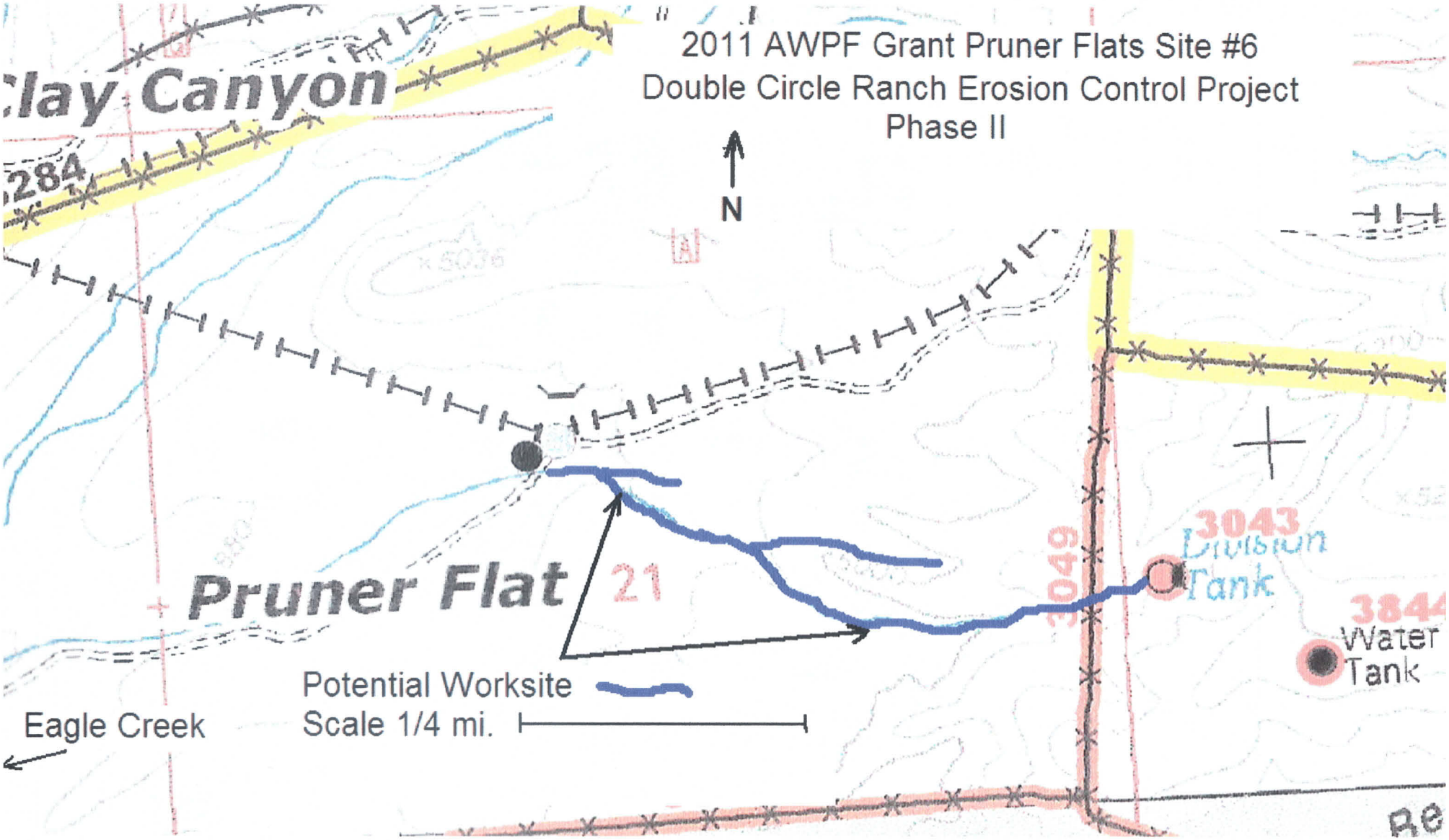

OA3616
Double Circle
Tank
Site #3
Site #2
53
Sheep
2011 AWPF Grant Sheep Wash Trap
Sites #2 & #3
Potential Worksites
Scale 1/4 mi.
Sheep Wash Trap
N
Double Circle Ranch Erosion Control Project
Phase II
Eagle Creek



2011 AWPF Grant Open Draw Site #4
Double Circle Ranch erosion Control Project
Phase II



2011 AWPF Grant PD Pasture Site #5
Double Circle Ranch Erosion Control Project
Phase II


2011 AWPF Grant Pruner Flats Site #6
Double Circle Ranch Erosion Control Project
Phase II
N
Clay Canyon
Pruner Flat
21
3043
Division Tank
Water Tank
Potential Worksite
Scale 1/4 mi.
Eagle Creek

Project Schematics –
Double Circle Ranch Erosion Control Project Phase II

Task 2 of the Scope of Work details the procedure to be used to arrive at specific structures to be used to obtain the objectives for each site chosen. One rock check dams, media lunas, splash aprons, and armoring are just a few of the methods to be considered for structures which will be determined during the assessment performed in Task 2.

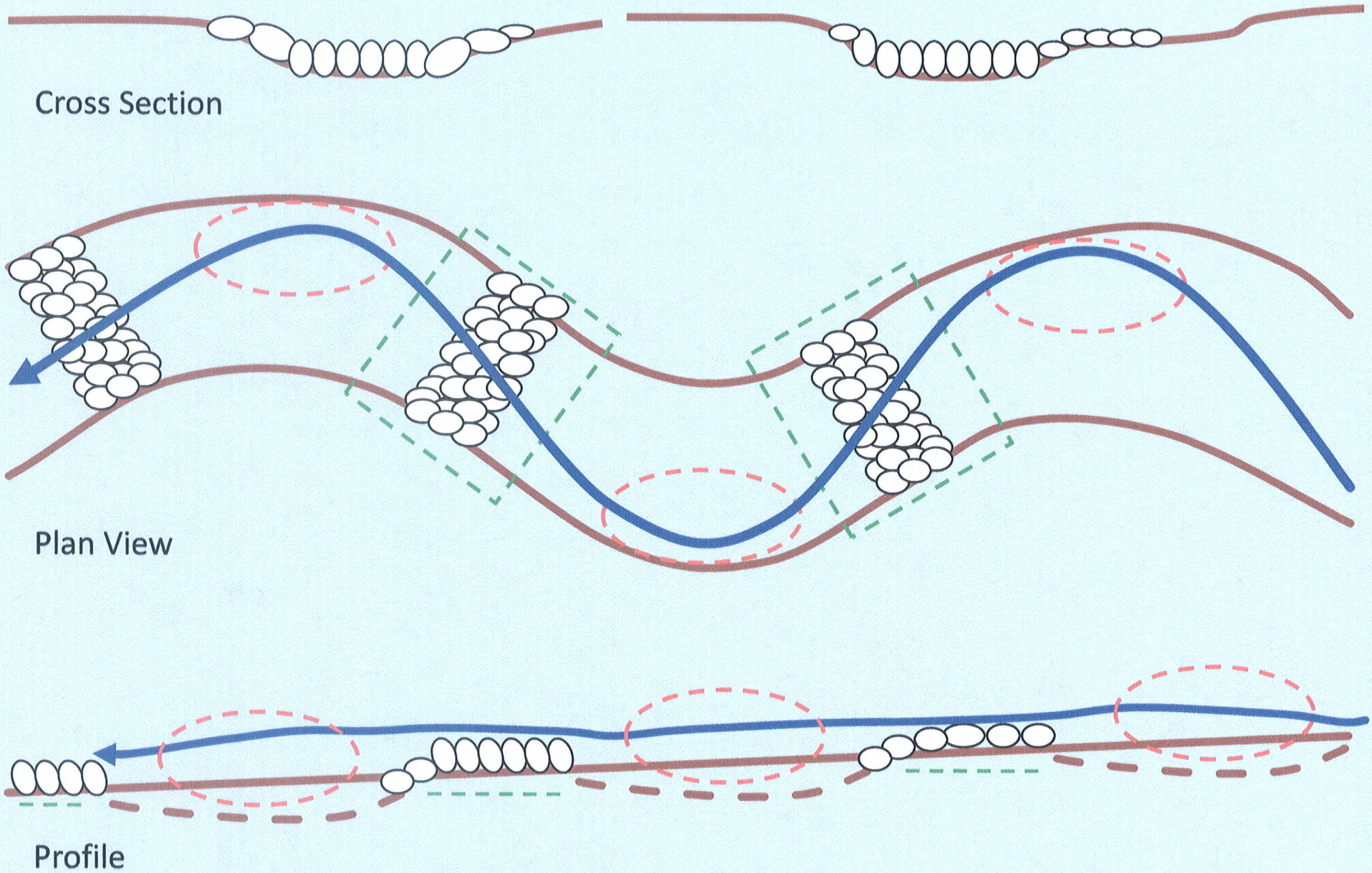
"Deliverable Description

> Grantee and erosion specialists will prepare a detailed assessment plan for approval by AWPF and USFS. Plan will include maps and exact locations of sites, water source directly impacted by site, and type of structure with design plans for each individual site chosen."

A Site Assessment and Structure Design Plan will then be developed and submitted for final approval to AWPF. Representative sketches are included with the application.

Recommended Erosion Control Methods For the Double Circle Ranch

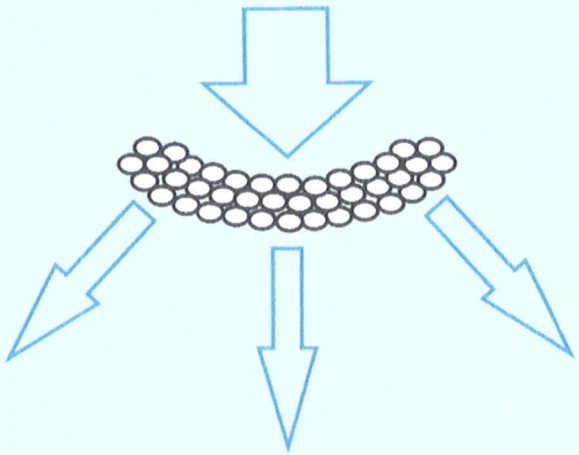
By : Craig Sponholtz
DRYLAND SOLUTIONS, INC.
505 577 9625
607 Salazar St.
Santa Fe, NM 87505
www.drylandsolutions.com



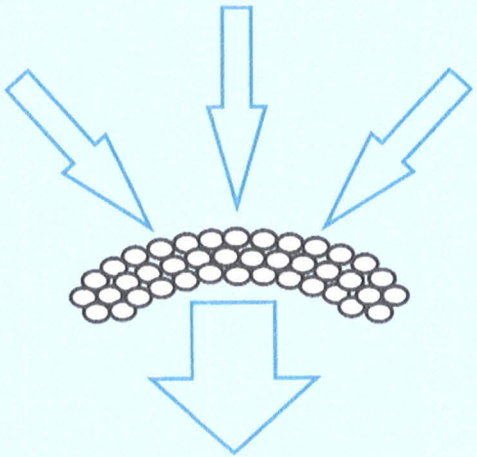
One Rock Dam Placement and Construction

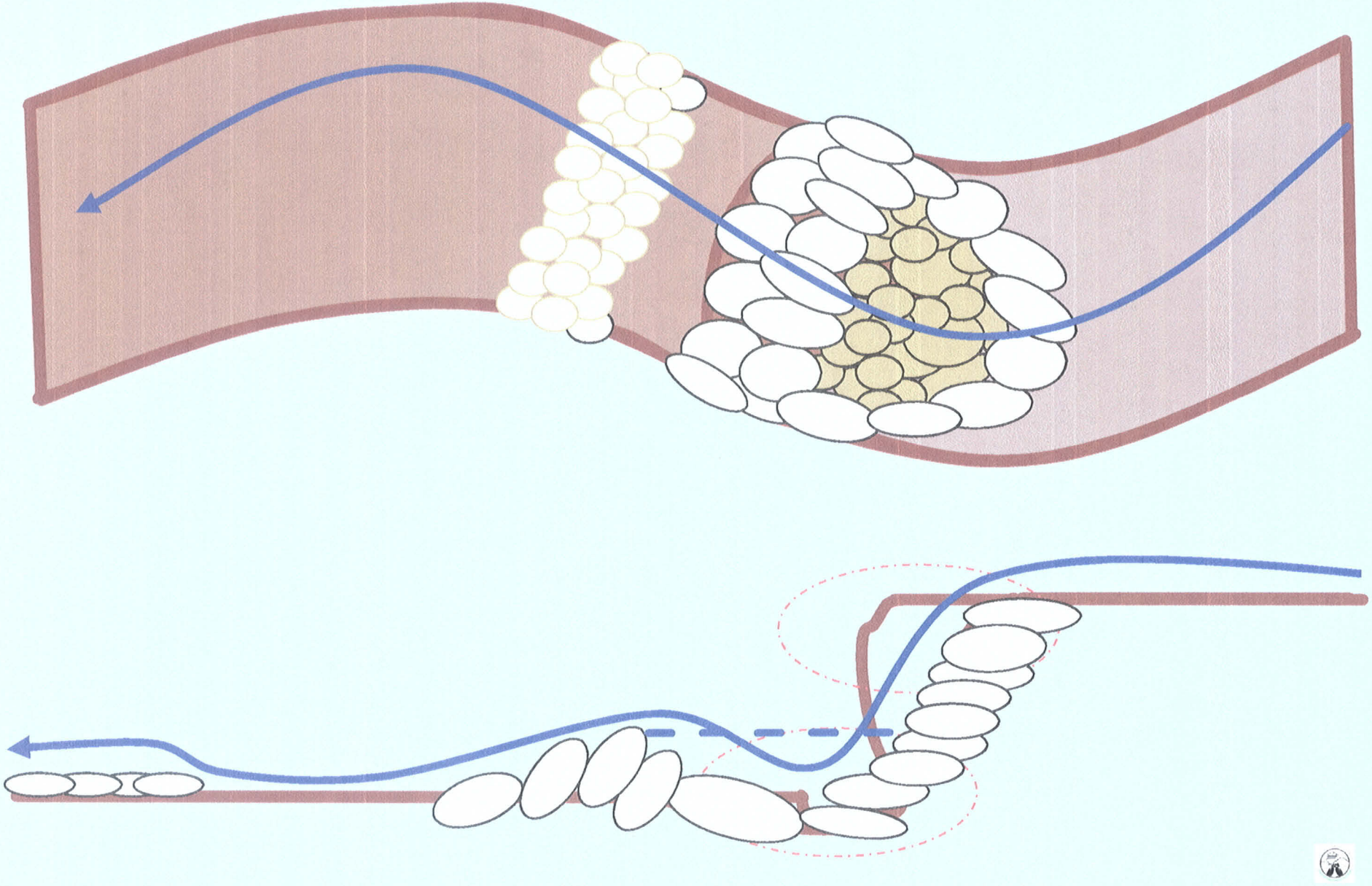
Media Lunas can be used to:

Spread surface runoff from channels and initiate sheet flow



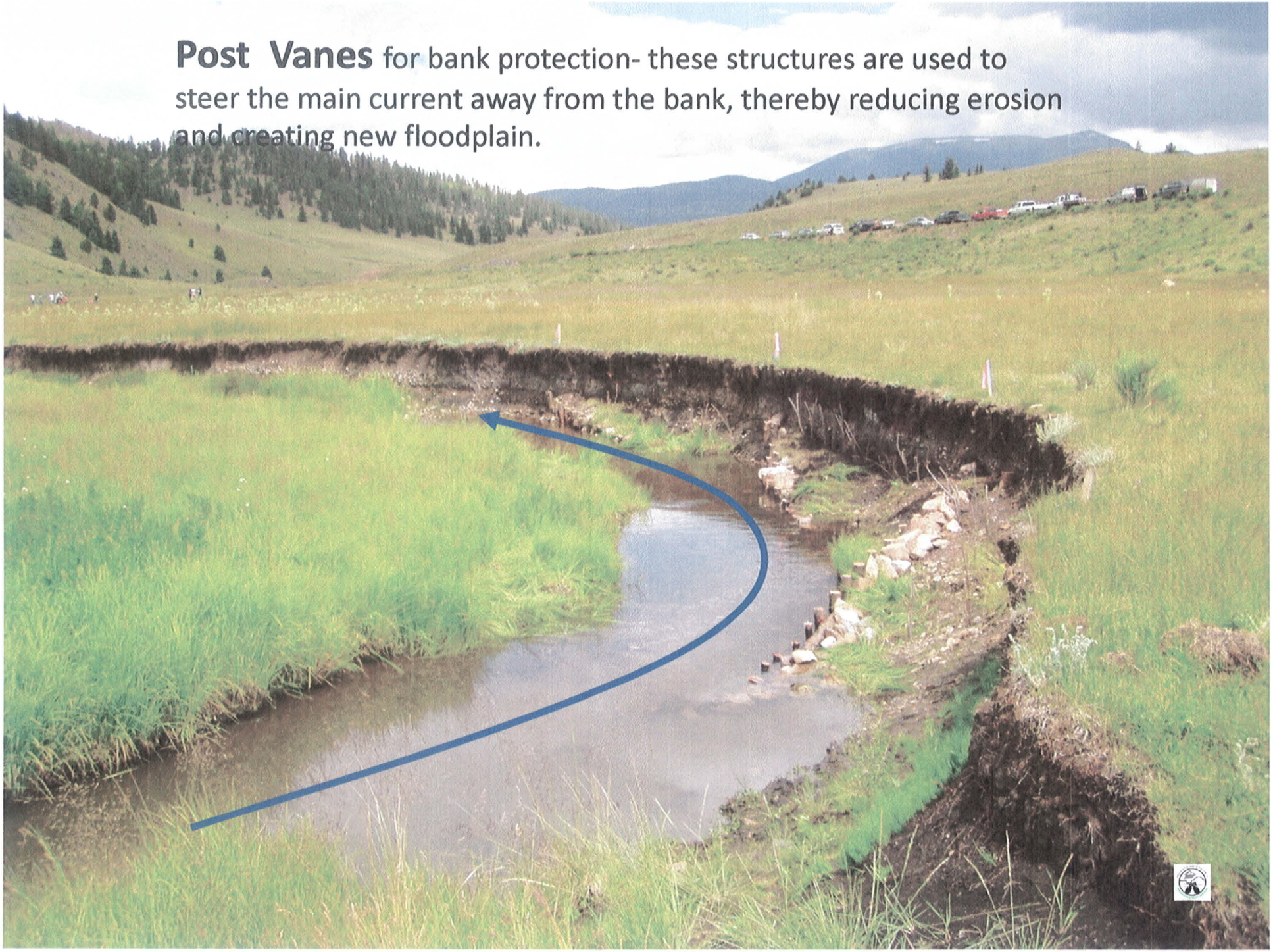
Prevent Developing channels from eroding upslope





Rock Bowl for stabilizing in-channel headcuts

Post Vanes for bank protection- these structures are used to steer the main current away from the bank, thereby reducing erosion and creating new floodplain.



Scope of Work –
Double Circle Ranch Erosion Control Project Phase II

Task 1. Permits, Clearances, and Authorizations

Task Description
We would obtain all clearances and archeological surveys required, including SHPO and NEPA, or any others applicable.

Task Purposes
To make certain all regulations and requirements are met

Deliverable Description
Copies of approved permits and clearances will be provided to AWPF.

Deliverable Due Date
Prior to ground disturbing activities

Reimbursable Cost
$1,839.60

Task 2. Site Assessment and Structure Design Plan

Task Description
Grantee will go out with Craig Sponholtz, president of Dryland Solutions to identify and prioritize the best sites for erosion structures. A Site Assessment and Structure Design Plan will then be developed and submitted for final approval to AWPF

Task Purpose
To identify the sites which would benefit the most from the installation of erosion control devices to reduce the flow of sedimentation into Upper Eagle Creek and it's tributaries. This would enable an assessment to be made for maximum benefit to the watershed.

Deliverable Description
Grantee and erosion specialists will prepare a detailed assessment plan for approval by AWPF and USFS. Plan will include maps and exact locations of sites, water source directly impacted by site, and type of structure with design plans for each individual site chosen.

Deliverable Due Date
3/2011

Reimbursable Cost
$4,014.15

Task 3. Development of Monitoring and Public Outreach Plans

Task Description

Grantee in conjunction with Dryland Solutions and USFS shall prepare and submit to AWPF a detailed Monitoring Plan to be used at each site. Monitoring will include repeatable photo points and permanent measuring devices. Revegetation and depth and width of gullies will be monitored.
A Public Outreach Plan describing any activities performed during the project to educated and inform the public about the ongoing erosion control or ranch projects.

Task Purpose

To develop Monitoring and Public Outreach plans for this project.

Deliverable Description

Submit Monitoring Plan and Public Outreach Plans to AWPF for approval.

Deliverable Due Date

4/2011

Reimbursable Costs

$1,131.90

Task 4. Implement Erosion Control Workshops

Task Description

Grantee would host erosion workshops led by Craig Sponholtz of Dryland Solutions, Inc. and install as many erosion control devices as time allows. Evenings will have educational programs such as endangered species, using cattle as environmental tools, bird identification, wolf recovery program, etc. Programs will be based on availability of speakers. Priority will be given to agency speakers such as AzG+F, US FWS, USFS, etc. Tentative Workshop dates will be:
May 2011, September 2011, and April 2012 (All dates subject to change due to Dryland Solutions, Inc. scheduling).

Task Purpose

First, to slow water flow and promote revegetation, thereby trapping soil and reducing sediment into Sheep Wash and Eagle Creek. Second, to educate the public in sound conservation practices and to involve them in ongoing work on public land.

Deliverable Description

Three complete construction reports and a final narrative report will be turned in to AWPF. Each construction report will have a narrative of completed work along with photos, maps and drawings as well as volunteer responses to a questionnaire.

Deliverable Due Date

1st workshop construction report	July 2011
2nd workshop construction report	November 2011
3rd workshop construction report	June 2012
Final narrative and summary report	February 2015

Reimbursable Cost

$26,397.00

Task 5. Implement Monitoring Plan

Task Description.

Grantee will initiate monitoring upon completion of erosion projects as specified in Monitoring Plan. Permanent measuring devices will be installed at sites as erosion devices are completed, and permanent photo points will be established.

Task Purpose

To monitor the amount of sediment trapped with erosion control structures and evaluate the successes of our activities. The information will be used to determine for future projects which erosion structure is the most effective in reducing stream sediment loads.

Deliverable Description

Copies of photos and measurements to be provided to AWPF every November for 3 years. Also, a summary of the results will be included in the final report.

Deliverable Due Date

November 2012
November 2013
November 2014
Final narrative and summary report February 2015

Reimbursable Cost

$1,026.90

Task 6. Implement Public Outreach Plan

Task Description

Grantee will implement the public outreach as submitted in Task #3 during each workshop and provide a description of the activities after each one.

Task Purpose

To evaluate the success of our public outreach efforts.

Deliverable Description

Three complete public outreach reports and a final narrative report will be turned in to AWPF. Each report will have a narrative of activities performed along with photos, materials produced, and check-in sheets as well as volunteer responses to a questionnaire.

Deliverable Due Date

1st workshop outreach report	July 2011
2nd workshop outreach report	November 2011
3rd workshop outreach report	June 2012
Final narrative and summary report	February 2015

Reimbursable Cost

$1,701.00

Task 7. Final Report

Task Description

Grantee will furnish a written final report showing work accomplished, methods used, evaluation of the successes of the project and analysis of all data generated.

Task Purpose

To show progress made in slowing erosion thereby reducing stream sediment load and to show public response to and increase awareness of conservation issues in the Upper Eagle Creek Watershed.

Deliverable Description

Final narrative and summary report with photos and all data.

Deliverable Due Date

February 2015

Reimbursable Cost

$756.00

DETAILED BUDGET BREAKDOWN
Double Circle Ranch Erosion Control Project Phase II

TASK NUMBER	DIRECT LABOR COSTS	OUTSIDE SERVICES	OTHER DIRECT COSTS	CAPITAL OUTLAY	ADMINIST RATIVE COSTS
Task 1	$252.00	$1,500.00	$	$	$87.60
Task 1: $1,839.60	Time w/arch. USFS on surveys, paperwork, grantee 14hrs.@ $18/hr.	For expense of arch survey, NEPA if needed			5% of Task 1 total
Task 2	$936.00	$2,310.00	$547.00	$30.00	$191.15
Task 2: $4,014.15	Site assessment grantee labor 24hrs @ $18/hr. Submit site assessment plan, maps, schematics, etc. for approval grantee 28hrs. @ $18/hr.	1 erosion specialist 3.5 days @ $660 per day	Mileage 860 mi @.50/mi. = $430. and per diem of $39 for 3 days= $117	Copies of USFS maps	5% of Task 2 total
Task 3	$648.00	$330.00	$	$100.00	$53.90
Task3: $1,131.90	Development of monitoring plan grantee 8 hrs. @ $18/hr. Development of Public outreach plan, promotion, advertisement, take photos for ads/fliers - grantee 28 hrs. @ $18/hr.	Erosion specialist ½ day @ $660 /day		Postage and ads	5% of Task 3 total

Task 4	$1,080.00	$10,440.00	$13,520.00	$100.00	$1,257.00
Task4: $26,397.00	Haul rock and prepare sites, cut and haul posts for post vanes. grantee 60 hrs. @ $18/ hr.= $1,080 (grantee will give an additional 180 hrs. during the workshops as a match)	1erosion specialists @ $660/day for 9 days = $5,940 and 1 erosion assistant @ $300/day for 9 days = $2,700 and 6 lecturers @ $300/day = $1,800 (USFS and Greenlee Co. supplied all rock mat'l used)	Fuel on ranch- 900 miles @ $.50/mi.= $450. Erosion specialist 860 miles x 3 workshops = 2,580 mi. @ $.50/mi = $1,290. Per diem for volunteers- $39/day x 25 people x 9 days = $8,775.00. Use of 4 wheeler- 9days @ $80/day= $720 and 2 pickups- 10 days @ $85/ day each = $1,700 Use of dump trailer-9 days @ $65/ day=$585	Gloves, first aid supplies (shovels, picks, misc. hand tools from previous project to be used)	5% of Task 4 total
Task 5	$648.00	$	$330.00	$	$48.90
Task 5: $1,026.90	3 yrs. of monitoring, photo points, reports, etc. 36hrs. @ $18/hr.		150 miles @ $.50 =$75 Use of truck 3 days @ $85/day = $255		5% of Task 5 total

Task 6	$1,620.00	$	$	$	$81.00
Task 6: $1,701.00	3 workshops -public outreach, photos, reports, compile questionnaires,etc.90hrs. @ $18/hr.				5% of Task 6 total
Task 7	$720.00	$	$	$	$36.00
Task 7: $756.00	Prepare and submit final report 40hrs. @ $18/hr				5% of Task 7 total

Total Cost $36,866.55	$5,904.00	$14,580.00	$14,397.00	$230.00	$1,755.55

MATCHING FUNDS BREAKDOWN
Double Circle Ranch Erosion Control Project Phase II

TASKS	DIRECT LABOR COSTS	OTHER DIRECT COSTS	OUTSIDE SERVICES	CAPITAL OUTLAY	ADMINIST RATIVE COSTS
Task 1			USFS range person 8hrs. X $25hr.= $200 USFS biologist 8hr x $25hr.= $200 USFS arch. person 8hrs. X $25hr. = $200	Computer/ camera use $300.00	
Task 2					
Task 3					
Task 4	Grantee labor - 180hrs. X $18hr. = $3,240 Volunteer skilled labor - 75 people x 15hrs x $15hr. = $16,875		USFS and Greenlee Co. supplied rock mat'l for 3 workshops $5,000	Photography Use of camera, equipment, and supplies for photos of workshops $300 Use of computer, ink, paper, etc. $250	
Task 5				Photography Use of camera, equipment, and supplies for monitoring photos $300 Use of computer, ink, paper, etc. $250	

Task 6				Photography Use of camera, equipment, and supplies for photos of workshops $300 Use of computer, ink, paper, etc. $250	
Task 7				Use of computer, ink, paper, etc. $250	
TOTALS	$20,115.00		$5,600.00	$2,200.00	

Total matching funds: $27,915.00

The Double Circle Ranch Erosion Control Project Phase II is a continuation of our 4 previous AWPF funded erosion workshops and 1 ADEQ funded workshop. They have been very successful in bringing the public into the field and working hands on with an erosion control specialist. Learning new skills and techniques to slow erosion using hand built structures is a valuable tool the volunteers take home with them.

These projects compliments both the earlier AWPF fencing projects and the two Double Circle Ranch, ADEQ funded - Eagle Creek Restoration Projects which provided riparian fencing along Eagle Creek, Smith Canyon, and Sheep Wash. All of these projects, plus the USFWS project at NO Bar/Smith Canyon and the two ADA water system development projects, are aimed at improving water quality and rangeland health in the Eagle Creek Watershed.

STATE HISTORIC PRESERVATION OFFICE
Review Form

In accordance with the State Historic Preservation Act (SHPO), A.R.S. 41-861 *et seq*, effective July 24, 1982, each State agency must consider the potential of activities or projects to impact significant cultural resources. Also, each State agency is required to consult with the State Historic Preservation Officer with regard to those activities or projects that may impact cultural resources. Therefore, it is understood that **recipients of state funds are required to comply with this law** throughout the project period. All projects that affect the ground-surface that are funded by AWPF require SHPO clearance, **including those on private and federal lands.**

The State Historic Preservation Office (SHPO) must review each grant application recommended for funding in order to determine the effect, if any, a proposed project may have on archaeological or cultural resources. To assist the SHPO in this review, the following information MUST be submitted with each application for funding assistance:

- A completed copy of this form, and
- A United States Geological Survey (USGS) 7.5 minute map
- A copy of the cultural resources survey report if a survey of the property has been conducted, and
- A copy of any comments of the land managing agency/landowner (i.e., state, federal, county, municipal) on potential impacts of the project on historic properties.
  NOTE: If a federal agency is involved, the agency must consult with SHPO pursuant to the National Historic Preservation Act (NHPA); a state agency must consult with SHPO pursuant to the State Historic Preservation Act (SHPA),
  OR
- A copy of SHPO comments if the survey report has already been reviewed by SHPO.

Please answer the following questions:

1. Grant Program: AWPF FY2011

2. Project Title: Double Circle Ranch Erosion Control Project Phase II

3. Applicant Name and Address: Wilma Jenkins, PO Box 1151, Clifton, AZ. 85533

4. Current Land Owner/Manager(s): Wilma Jenkins

5. Project Location, including Township, Range, Section: T1S, R28E, Sec. 21&29 and T2S, R28E, Sec. 3

6. Total Project Area in Acres (or total miles if trail): 5 acres

7. Does the proposed project have the potential to disturb the surface and/or subsurface of the ground? ☒ YES ☐ NO

8. Please provide a brief description of the proposed project and specifically identify any surface or subsurface impacts that are expected: We will be constructing erosion control devices in eroded gullys to prevent or slow down further erosion.

9. Describe the condition of the current ground surface within the entire project boundary area (for example, is the ground in a natural undisturbed condition, or has it been bladed, paved, graded, etc.). Estimate horizontal and vertical extent of existing disturbance. Also, attach photographs of project area to document condition: Natural undisturbed

10. Are there any known prehistoric and/or historic archaeological sites in or near the project area?
☐ YES ☒ NO

11. Has the project area been previously surveyed for cultural resources by a qualified archaeologist?
☐ YES ☐ NO ☒ UNKOWN

If YES, submit a copy of the survey report. Please attach any comments on the survey report made by the managing agency and/or SHPO

12. Are there any buildings or structures (including mines, bridges, dams, canals, etc.), which are 50-years or older in or adjacent to the project area? ☐ YES ☒ NO

If YES, complete an Arizona Historic Property Inventory Form for each building or structure, attach it to this form and submit it with your application.

13. Is your project area within or near a historic district? ☐YES ☒ NO

If YES, name of the district:

Please sign on the line below certifying all information provided for this application is accurate to the best of your knowledge.

Wilma Jenkins / 8/28/10 WILMA JENKINS

Applicant Signature /Date Applicant Printed Name

FOR SHPO USE ONLY
SHPO Finding: ☐ Funding this project will not affect historic properties. ☐ Survey necessary – further GRANTS/SHPO consultation required (*grant funds will not be released until consultation has been completed*) ☐ Cultural resources present – further GRANTS/SHPO consultation required (*grant funds will not be released until consultation has been completed*)
SHPO Comments
For State Historic Preservation Office: Date:

STATE OF ARIZONA
HISTORIC PROPERTY INVENTORY FORM

Please type or print clearly. Fill out each applicable space accurately and with as much information as is known about the property.

PROPERTY IDENTIFICATION

For properties identified through survey: Site No. N/A Survey Area: N/A

Historic Names (*enter the name(s), if any that best reflect the property's historic importance*): _____

Address: _____

City or Town: _____ ☐ Vicinity County: _____ Tax Parcel No.: _____

Township: _____ Range: _____ Section: _____ Quarters: _____ Acreage: _____

Block: _____ Lot(s): _____ Plat (Addition): _____ Year of plat (addition): _____

UTM Reference – Zone: _____ Easting: _____ Northing: _____

USGS 7.5' quadrangle map: _____

ARCHITECT: _____ ☐ not determined ☐ known Source: _____

BUILDER: _____ ☐ not determined ☐ known Source: _____

CONSTRUCTION DATE: _____ ☐ known ☐ estimated Source: _____

STRUCTURAL CONDITION

☐ Good (*well maintained; no serious problems apparent*)
☐ Fair (*some problems apparent*) Describe: _____
☐ Poor (*major problems; imminent threat*) Describe: _____
☐ Ruin/Uninhabitable

USES/FUNCTIONS

Describe how the property has been used over time, beginning with the original use: _____

Sources: _____

PHOTO INFORMATION

Date of photo: _____
View Direction (looking towards): _____

Attach a recent photograph of property in this space. Additional photographs may be appended.

SIGNIFICANCE

To be eligible for the National Register, a property must represent an important part of the history or architecture of an area. The significance of a property is evaluated within its historic context, which are those patterns, themes, or trends in history by which a property occurred or gained importance. Describe the historic and architectural contexts of the property that may make it worthy of preservation.

A. HISTORIC EVENTS/TRENDS – *Describe any historic events/trends associated with the property:* _____

B. PERSONS – *List and describe persons with an important association with the building:* _____

C. ARCHITECTURE – Style: _____ ☐ no style

Stories: _____ ☐ Basement Roof Form: _____

Describe other character-defining features of its massing, size and scale: _____

INTEGRITY

To be eligible for the National Register, a property must have integrity (i.e. it must be able to visually convey its importance). The outline below lists some important aspects of integrity. Fill in the blanks with as detailed a description of the property as possible.

Location - ☐ Original Site ☐ Moved: Date: _____ Original Site: _____

DESIGN

Describe alterations from the original design, including dates: _____

MATERIALS

Describe the materials used in the following elements of the property:

Walls (structure): _____

Walls (sheathing): _____

Windows: _____

Roof: _____

Foundation: _____

SETTING

Describe the natural and/or built environment around the property: _____

How has the environment changed since the property was constructed? _____

WORKMANSHIP

Describe the distinctive elements, if any, of craftsmanship or method of construction: _____

NATIONAL REGISTER STATUS (*if listed, check the appropriate box*)

☐ Individually Listed; ☐ Contributor; ☐ Non-contributor to _____ Historic District

Date Listed: _____ ☐ Determined eligible by Keeper of National Register (date: _____)

RECOMMENDATIONS ON NATIONAL REGISTER ELIGIBILITY (opinion of SHPO staff or survey consultant)

Property ☐ is ☐ is not eligible individually.

Property ☐ is ☐ is not eligible as a contributor to a listed or potential historic district.

☐ More information needed to evaluate.

If not considered eligible, state reason: _____

Key Personnel –
Double Circle Ranch Erosion Control Project Phase II

Erosion Control Specialist	Craig Sponholtz
Lecturers	AZ G+F, USFWS, USFS, etc. *
Project Coordinator	Douglas Dressler

*Please note that all lecturers are tentative and subject to availability when we have confirmed dates. Subjects for lectures include but are not limited to Stream PFC Functioning, Endangered Species including but not limited to: Mexican Grey Wolf, Chirachahua Leopard Frog and Spikedace, Monitoring for Water Quality, Water Conservation, Herding as Range Tool, and Riparian Vegetation.

Craig Sponholtz - President of Dryland Solutions. He has a Masters in Agro Ecological Restoration. Lecturer and workshop presenter for Quivera Coalition, former Forest Service and Earth Institute employee.

Douglas Dressler – Part owner of Double Circle Ranch. He has been project coordinator for AWPF, ADA, ADEQ, and NRCS grants.

Craig Sponholtz, Dryland Solutions, Inc., 505-577-9625
551 W. Cordova Rd. #832, Santa Fe, NM 87505

2003-Ongoing President, designer, instructor, project manager, heavy equipment operator and consultant for **Dryland Solutions Inc,** Santa Fe, NM. assessment, design, implementation, project planning and technical training in passive water harvesting, erosion control and watershed restoration.

RECENT WATERSHED RESTORATION PROJECTS

2005 – Present Education and technical training of diverse groups in the application of watershed restoration techniques specific to drylands. Skills taught include watershed assessment, treatment prioritization, project design, implementation planning and construction techniques. Dryland Solutions, Inc. also develops educational materials to be used by practitioners.

2007-2010 Canon Bonito stream restoration and habitat improvement, including assessment, design, planning and project implementation of multi-phased stream restoration projects. Responsibilities include equipment operation and construction of in stream boulder structures to stabilize and improve wetland habitat.

2007- 2010 Galisteo River Watershed Wetlands Restoration Projects. This work consists of assessment collaborative design, project planning and implementation of stream and wetland restoration projects, including heavy equipment operation and hand-building of restoration structures.

2005-2010 Erosion control, drainage and restoration specialist for Commonweal Conservancy's conservation subdivisions in the Galisteo Basin of NM. Including assessment, design, implementation and maintenance for erosion control, road drainage and arroyo/ wetland restoration projects.

2005-2010 Wetland and stream habitat restoration projects at Wind River Ranch. Collaborative assessment and induced meandering project design with Bill Zeedyk. Project implementation including hand built and machine built restoration structures on the Mora River and tributaries.

2005-2010 Rio Puerco watershed restoration, a collaborative partnership with the Quivira Coalition, Rio Puerco Management Committee, Bureau of Land Management and Ojo Encino Navajo Chapter. Site assessment and design for upland restoration treatments, including training youth crews in the design and construction of watershed restoration projects.

2005-2009 Rio Grande Cutthroat Trout Habitat Restoration, a collaborative partnership with the Quivira Coalition, U.S. Forest Service and other parties. Valle Vidal Unit, Carson National Forest, New Mexico. Supervising work crews and providing logistical support for the construction of elk exclosures, in stream and upland restoration treatments to improve native trout habitat.

2009 Santa Fe Botanical Garden arroyo stabilization, including project planning and implementation of in-channel boulder structures as well as site re-vegetation. This project was the first phase of the Botanical Garden site development on Museum Hill in Santa Fe, NM.

EDUCATION

2005- Master of Arts in Agroecological Restoration. Prescott College, Prescott, AZ. Thesis title- Agroecological Restoration in Southwestern Woodlands: A Comparative Analysis of Water Harvesting and Erosion Control Methods.

1998- Bachelor of Academic Studies, emphasizing natural resource management and fine arts. Western New Mexico University, Silver City, NM.

SPECIALIZED TRAINING IN FLUVIAL GEOMORPHOLOGY AND WATERSHED RESTORATION

2009- River Assessment and Monitoring. An 80 hour course in applied fluvial geomorphology, river stability assessment and monitoring protocols used to evaluate, predict and validate river stability. Taught by Dave Rosgen, Ph.D. Sponsored by Wildland Hydrology.

2008- River Morphology and Applications. A 40 hour course in applied fluvial geomorphology, data collection and geomorphic survey techniquess used to establish reference reaches to model river restoration projects. Taught by Dave Rosgen, Ph.D. Sponsored by Wildland Hydrology.

2007- Storm Water Pollution Prevention Plan Training. An 8 hour short course in creating and administering SWPPP in compliance with EPA regulations. Sponsored by Cleanwater Consulting.

2007- Applied Fluvial Geomorphology. A 40 hour course in applied fluvial geomorphology, river channel classification, survey and restoration methods taught by Dave Rosgen, Ph.D. Sponsored by Wildland Hydrology.

2006- Restoration Methods for Riverine, Wetland and Cienega Ecosystems. An 80+ hour course in applied watershed restoration methods and fluvial geomorphology taught by Bill Zeedyk and others. Sponsored by the Quivira Coalition, Santa Fe, NM.

2002- Southwest Fire Use Training Academy. An eight week training program in applied fire ecology and wildland fire-use. U.S. Forest Service, Region 3, Albuquerque, NM.

2000- Permaculture Designer's Certificate. Awarded for completing an 80 hour Permaculture Design Course. Permaculture Research Institute, Tagari Farm, NSW, Australia.

2000- Master Watershed Steward Program. A 48 hour course in community watershed stewardship. University of Arizona Cooperative Extension, Prescott, AZ.

SERVICES

My services include assessment, design, planning and implementation of watershed restoration, erosion control and runoff management projects. I specialize in the semi-arid environments of the southwest and experience in many habitat types in New Mexico, Arizona and Colorado.

PROFESSIONAL REFERENCES

Tamara E. Gadzia, Programs and Finance Manager, Quivira Coalition.
(505)820-2544
1413 Second Street, Suite 1
Santa Fe, NM 87505
projects@quiviracoalition.org

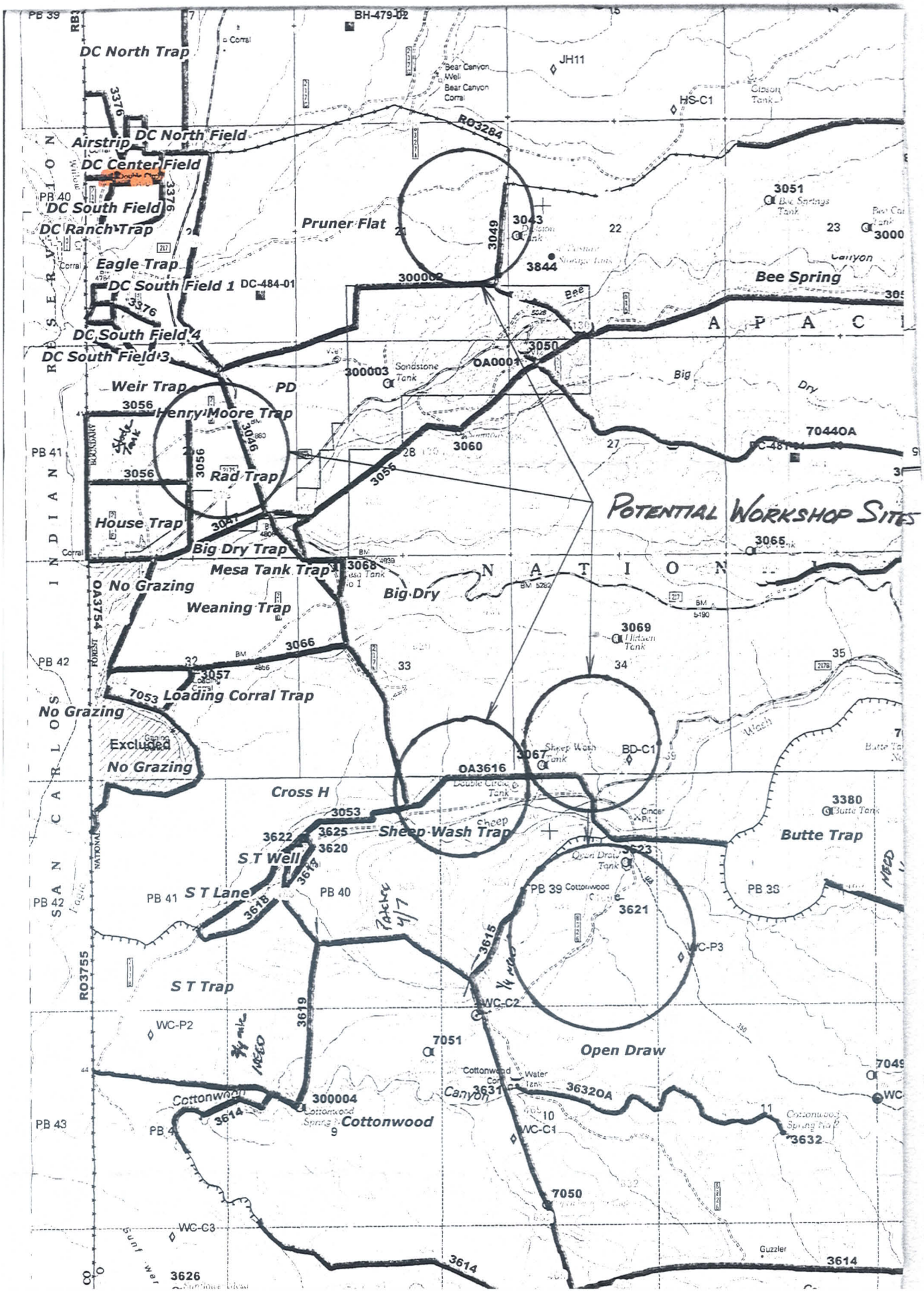
John Hesse, Project Manager, Commonweal Conservancy
(505)982-0071
117 N. Guadalupe Street, Suite C
Santa Fe, NM 87501
John.hesse@commonwealconservancy.org

Jan-Willem Jansens, Executive Director, Earth Works Institute.
(505)982-9806
1413 Second Street, Suite 4
Santa Fe, NM, 87505
jwj@earthworksinstitute.org

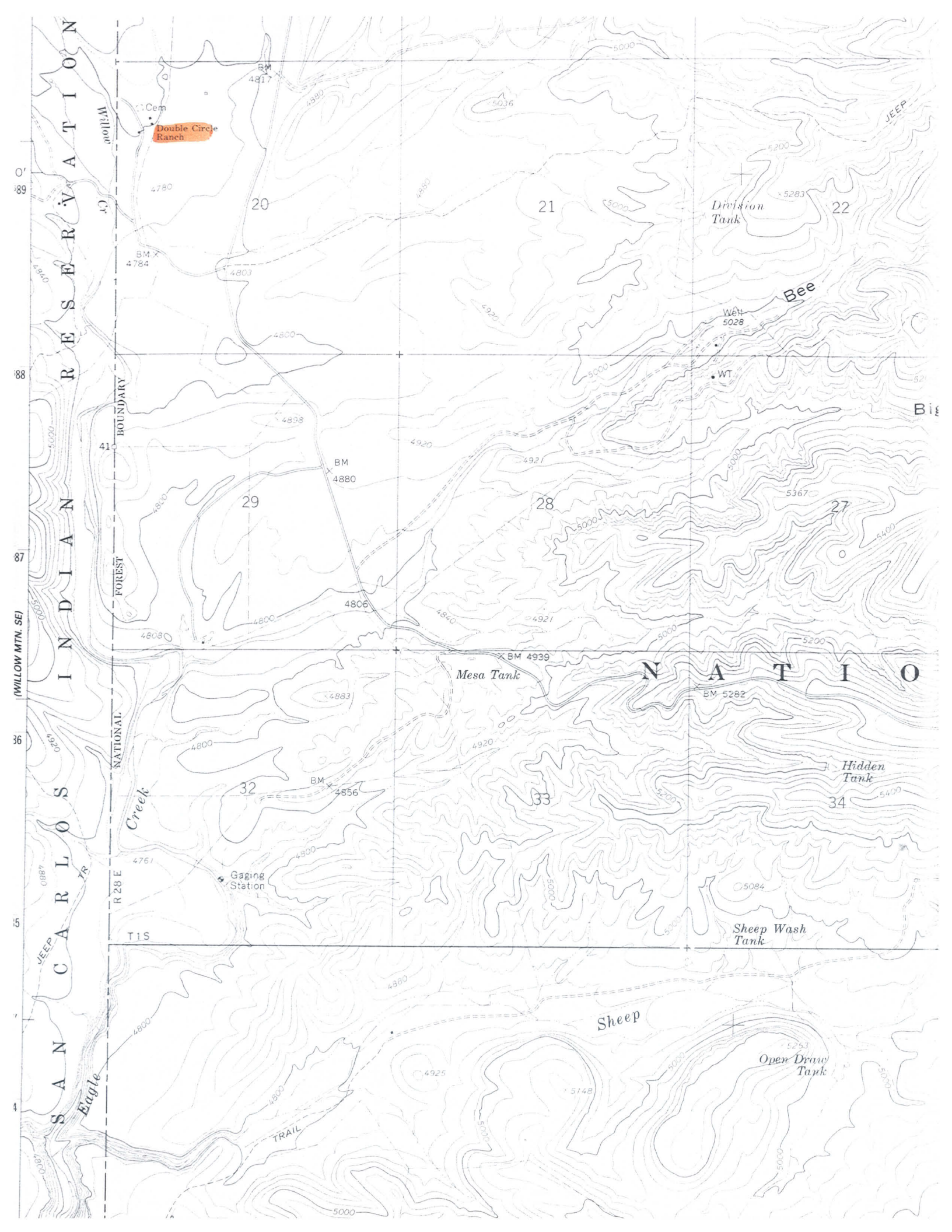
Bill Zeedyk, Zeedyk Ecological Consulting
(505)281-9066
P.O. Box 574
Sandia Park, NM 87047
bzcreekz@att.net

To learn more about our restoration projects visit:

www.drylandsolutions.com



DC North Trap
DC North Field
Airstrip
DC Center Field
DC South Field
DC Ranch Trap
Eagle Trap
DC South Field 1
DC South Field 4
DC South Field 3
Weir Trap
PD
Henry Moore Trap
Rad Trap
House Trap
Big Dry Trap
Mesa Tank Trap
No Grazing
Weaning Trap
Big Dry
Loading Corral Trap
No Grazing
Excluded
No Grazing
Cross H
Sheep Wash Trap
S T Well
S T Lane
S T Trap
Pruner Flat
Bee Spring
Open Draw
Cottonwood
Butte Trap
Potential Workshop Sites
A P A C
N A T I O N
S A N C A R L O S I N D I A N R E S E R V A T I O N
BH-479-02
JH11
HS-C1
RO3284
DC-484-01
300002
300003
OA0001
3050
3060
3055
3056
3046
3047
3068
3066
3057
7053
3065
3069
3067
BD-C1
OA3616
3053
3622
3625
3620
3618
3619
3615
3621
3623
3380
WC-P3
WC-C2
WC-P2
7051
3631
3632OA
300004
3614
WC-C1
7050
WC-C3
3626
3614
3632
7049
3051
3000
3043
3844
3049
70440A
OA3754
RO3755
PB 39
PB 40
PB 41
PB 42
PB 43
PB 38



SAN CARLOS INDIAN RESERVATION
NATIO
(WILLOW MTN. SE)
Willow Cr
Cem
Double Circle Ranch
BM 4817
BM 4784
BM 4880
BM 4939
BM 5282
BM 4856
Division Tank
Bee
Well 5028
WT
Big
Mesa Tank
Hidden Tank
Sheep Wash Tank
Open Draw Tank
Sheep
Eagle
Creek
Gaging Station
NATIONAL FOREST BOUNDARY
R 28 E
T 1 S
JEEP TR
TRAIL
20
21
22
27
28
29
32
33
34

Double Circle Ranch Erosion Control Project Phase II

Potential Worksite #1 – Sheep Wash

The Sheep Wash site shows years of heavy erosion from a canyon above which has been depositing sediment in the roadway and which will eventually reach Sheep Wash, a tributary of Eagle Creek. As the photos show, there are numerous areas of heavy erosion which would need to be addressed.

Improving this site would not only slow sediment flow and erosion degradation, it would begin repairing the road surface which is starting to erode away as well.

We would probably use a majority of the erosion structure types on this site.

Road in Foreground

Sheep Wash Site #1 Additional photos

Double Circle Ranch Erosion Control Project Phase II

Potential Worksite #2- Sheep Wash Trap

Sheep Wash Trap Site #2 crosses a road and is beginning to erode the surface, somewhat like Site #1. This site is in its earlier stages and would not be as big a project, so it could be combined with another site. The sediment flow is directly into Sheep Wash from the canyon in the background and will continue eroding the topsoil until the problem is addressed.

Sheep Wash Trap Site #2 Additional photos

Double Circle Ranch Erosion Control Project Phase II

Potential Worksite #3 – Sheep Wash Trap

The erosion from this location, Sheep Wash Trap Site #3, is directly caused by the adjacent road surface and culverts (Note the truck and culvert in the background). There are three culverts within ¼ mile causing a great deal of sediment loss into Sheep Wash, directly behind the trees in the third photo. Each heavy rainfall we have increases the damage from runoff and this site will need several fairly large erosion structures to begin slowing the loss. Eagle Creek is less that 1 ½ miles from this location.

Erosion caused by road directly in the background

Sheep Wash Trap Site #3 Additional photos

Double Circle Ranch Erosion Control Project Phase II

Potential Worksite #4 - Open Draw

The Open Draw site has numerous areas which need addressed. It is a long grassy area which eventually empties into Sheep Wash, a tributary of Eagle Creek. Heavy storms in the past several years have begun eroding away the valley and carrying sediment downstream towards Sheep Wash. These photos show some of the continuing erosion and sediment flow we are noticing after each weather event.

This would be an excellent location for a future workshop which would entail using several types and sizes of erosion control structures. The site also has road access for ease of transporting people and materials.

Open Draw Site #4 Additional Photos

Double Circle Ranch Erosion Control Project Phase II

Potential Worksite #5 – PD Pasture

The PD Pasture worksite flows directly into Eagle Creek approximately ½ mile below the site. The erosion at this point is in its early stages and is a direct result of runoff from FR217. If treated soon, sediment loss into Eagle Creek could be minimized with several smaller structures.

Double Circle Ranch Erosion Control Project Phase II

Potential Worksite #6 – Pruner Flats

Pruner Flats is a large grass flat which has an erosion problem caused by overflow from a dirt tank above the pasture. The sediment flow is eroding the good grassland/topsoil and carrying it directly to Eagle Creek. Several road crossings are being damaged as well. This site has very good road access for volunteers and materials.

Pruner Flats Site #6 Additional photos

Monitoring Plan –
Double Circle Ranch Erosion Control Project Phase II

All sites will have permanent photo points and a permanent measuring stick to show depth and width of eroded areas prior to erosion structures. Measurement of depth and width and new photos will be taken at the same time every year for 3 years to show amount of fill and revegetation that is occurring.

Equipment to do the monitoring for this project is very simple - digital camera, pvc pipes with height measuring marks, and a 50' measuring tape. All data and pictures will be entered on forms, copies of which are included. We anticipate several monitoring locations per site and Craig Sponholtz wil recommend specific locations to provide optimum evaluation of the erosion control structures' success.

In order to ensure accuracy, all monitoring points will have GPS coordinates and a natural landmark in the photos. PVC pipes will be permanently installed. Doug Dressler of Double Circle Ranch will do all the monitoring and reports in order to eliminate any personal bias.

Double Circle Ranch Erosion Control Project Phase II **Grant #**

Monitoring Points Data Sheet

LOCATION	Double Circle Ranch	**SITE GPS**	.
DATE		**MONITOR**	Doug Dressler

COMMENTS

Photo 1	**TYPE OF STRUCTURE**
Measured Depth From Line @ 24" Intervals (ft.-inches)	

Depth									

Double Circle Ranch Erosion Control Project Phase II **Grant #**

Photo Point Data Sheet

LOCATION	Double Circle Ranch	**SITE GPS**	.
DATE		**MONITOR**	Doug Dressler

COMMENTS

Photo 1	**TYPE OF STRUCTURE**
Insert photo	

USDA United States Department of Agriculture
Forest Service
Apache-Sitgreaves National Forests
Clifton Ranger District
397240 AZ 75
Duncan, AZ 85534
(928) 687-8600
FAX: (928) 687-1614

File Code: 2230
Date: August 30, 2010

Wilma Jenkins & Douglas Dressler
P.O. Box 1151
Clifton, AZ 85533

Dear Doug and Wilma.

I am writing to offer my support for your proposal to construct one rock dams, Zuni bowls, media lunas, and post vein structures for erosion control on several preapproved sites within the Double Circles allotments on the Apache-Sitgreaves, Clifton Ranger District National Forest System (NFS) lands.
Creating these erosion control structures would improve our ability to control accelerated erosion and overland flow across the landscape. Please know you have my full support with this project.

Sincerely,

Donna Reed

/s/ Donna Reed for

CAROL TELLES
Clifton District Ranger

cc: Donna L Reed
Carol F Telles

Print

Subject: **Fw: rock**
From: **Carol F Telles <cftelles@fs.fed.us>**
Sent: **Friday, August 27, 2010 8:32:41 AM**
To: **rdomsalla@fs.fed.us**
Cc: **doublecircleranch@hughes.net, dlreed@fs.fed.us**

Donna provided me a bit more information and it clarified things. Ryan, I am giving Wilma the go ahead and use the rock she needs.

Wilma you are okay with getting and using the rock.

Thanks,

Carol Telles

Carol Telles
District Ranger
Clifton Ranger District
Apache-Sitgreaves National Forest
Office: 928-687-8601
Cell: 928-245-5011
Fax: 928-687-1614
Email: cftelles@fs.fed.us

----- Forwarded by Carol F Telles/R3/USDAFS on 08/27/2010 08:28 AM -----

Carol F Telles/R3/USDAFS
08/26/2010 01:12 PM

To Ryan Domsalla/R3/USDAFS
cc Wilma & Doug <doublecircleranch@hughes.net>, dlreed@fs.fed.us
Subject Re: rock Link

Ryan,

Could you help out on this one?

Would they need a surface minerals permit, since the rock is on FS lands? What do they need, if anything?

Thanks,

Carol Telles
District Ranger
Clifton Ranger District
Apache-Sitgreaves National Forest

Office: 928-687-8601
Cell: 928-245-5011
Fax: 928-687-1614
Email: cftelles@fs.fed.us

Wilma & Doug <doublecircleranch@hughes.net>
08/24/2010 04:46 PM

To dlreed@fs.fed.us
cc cftelles@fs.fed.us
Subject rock

Ladies,

I have a question. We have been using rock donated by the county for our erosion workshops. There is plenty of rock left- way more than we will use. Frank had Gary Ely pile the small piles of rock into 1 big pile in Sheep Wash- just off the county right of way(I think-it may still be in the right of way). There is a good, well traveled road to the rock pile. I had Daniel look at it today- so he can answer any questions you might have. My question- may I still use that rock, even though it has been moved to FS land? The rock would still be on the FS land- just in gullies instead of piled off 217. If I had to buy the rock and have it hauled here, I wouldn't be able to do the workshops . It would be very costly- even if I could find a source.

Please let me know asap. I wuld be glad to show the rock pile to you if you will be in the area. I should have thought to have Daniel take a picture. Hopefully, he thought about that.

Getting a good rain here!

Wilma

PS Does the FS need a good gelding? I have a 8 or 9 year old chestnut gelding-- super nice. I wanted him for my personal horse. He is quiet, safe for anyone, will go anywhere, and pretty to boot. He has 1 probelm-- he can't be around mares. He turns into Macho stud and fights the other geldings - and covers the mare. I doubt that will be a habit you could break. I would let you take him on trial. If no mares are around, a child is safe on him. He has real smooth gaits and has never spooked- and been in all our roughest country. Good little cowhorse too.

NEW MEXICO
ENVIRONMENT DEPARTMENT

Surface Water Quality Bureau

BILL RICHARDSON
Governor
DIANE DENISH
Lieutenant Governor

Harold Runnels Building, N2050
1190 South St. Francis Drive (87505)
P.O. Box 5469, Santa Fe, NM 87502-5469
Phone (505) 827-0187 Fax (505) 827-0160
www.nmenv.state.nm.us

RON CURRY
Secretary
SARAH COTTRELL
Deputy Secretary

August 5, 2010

Subject: Arizona Water Protection Fund – Support Letter

Double Circle Ranch
PO Box 1151
Clifton, AZ 85533

To Whom It May Concern:

The New Mexico Environment Department-Surface Water Quality Bureau supports the Double Circle Ranch in their efforts to implement watershed restoration treatments and provide erosion control training and education through the Arizona Water Protection Fund in the Eagle Creek watershed, Greenlee County, Arizona.

I attended one of the previously funded erosion control workshops held at the Double Circle Ranch in November 2009. I was impressed at the outset by the turnout and the diversity of participants. The workshop was very well organized and informative covering the causes of watershed degradation and restoration treatments designed to reverse the degradation. The treatments often use locally available materials; usually rock and/or juniper posts, that mesh with the landscape. The workshops are certainly hands-on where participants build the erosion control structures with the instruction and supervision of an environmental consultant. Many of the structures are simple enough that participants can begin to implement erosion control on their own property. The targeted placement of bioengineering structures made of natural materials demonstrates a sustainable, low-impact, and cost-effective approach for erosion control, sediment sequestration, and water quality improvement. The New Mexico Environment Department has funded similar workshops in New Mexico, and the education component is extremely valuable in generating a watershed scale response.

The Double Circle Ranch wants to protect and improve watershed, range, water quality, and aquatic habitat conditions as well as provide a leadership role through education and outreach. The Double Circle Ranch is a working model that inspires farmers, ranchers, and residential landowners to take significant steps on their land to preserve and restore watershed health and water quality.

Thank you for the opportunity to express our support for their continued efforts.

Sincerely,

Matthew Schultz
Environmental Scientist/Restoration Ecologist
New Mexico Environment Department
Surface Water Quality Bureau
Watershed Protection Section
3082 32nd St. Suite D, Silver City, NM 88061
matthew.schultz@state.nm.us

United States Department of Agriculture

NRCS

Natural Resources Conservation Service
305 E. 4th St.
Safford, AZ 85546
Phone: 928.428.5537
Fax: 928.428.4284
AZ web site- www.az.nrcs.usda.gov

August 13, 2010

Arizona Department of Agriculture
Reference: AZ Water Protection Fund

To Whom It May Concern:

This letter is written in support of Wilma Jenkins and Doug Dressler's application for the Arizona Water Protection Fund. They are working with both NRCS and US Forest Service to develop a comprehensive Coordinated Resource Management Plan to improve grazing management, and also address soil erosion concerns on their ranch. They have applied for Environmental Quality Incentive Program (EQIP) funding to help accomplish his management objectives and address resource concerns with conservation practices.

If you have any questions, please feel free to contact the NRCS Safford Field Office at 928.428.5537 extension 113.

Sincerely,

Alayna A. Sandford

Alayna Sandford
Rangeland Management Specialist
USDA-NRCS
Safford Field Office

UPPER EAGLE CREEK WATERSHED ASSOCIATION

August 15, 2010

Arizona Water Protection Fund
3550 North Central Ave.
Phoenix, AZ 85012

Dear Representatives of the Arizona Water Protection Fund:

I am writing this letter to express my support for the Double Circles Ranch, owned by Doug Dressler and Wilma Jenkins, and their application for grant funding. Their continued commitment to the Eagle Creek watershed has been demonstrated by their development of and participation in numerous water quality improvement projects. These have included erosion control workshops at their ranch, projects to protect the riparian systems along Eagle Creek and their participation with the community in the National Riparian Team workshops over the past several years.

I support their efforts to secure these grant funds, and am confident that they will be used in a very worthwhile and efficient manner. These efforts will continue to protect the health of our riparian areas, which will have long term benefits for the residents of Arizona.

Thank you for your consideration in this matter.

Sincerely,

Chase L. Caldwell

Chase L. Caldwell
President

PO BOX 1756 • CLIFTON AZ • 85533 PHONE: 480-529-2624

To Whom It May Concern:

I had a great opportunity to attend the April 16-18, 2010 Erosion Control Workshop at Double Circle Ranch in Arizona; the long drive from Albuquerque to be part of the project proved so well worth the effort and vacation days well spent.

I have volunteered on several water restoration projects, as water restoration has become a vital concern particularly here in the arid Southwest. The workshop at Double Circle Ranch was by far the most informative, productive and fun project I have participated in. It was fascinating to learn how the landscape has been shaped by different factors, as the workshop leader Craig Sponholtz took us around the Upper Eagle Creek, showing first hand how erosion works. That forever changed how I view my surroundings!
There was a great sense of significance to the project: people from different parts of the country, from different walks of life came together on this project to protect the land from further erosion and to reduce the sedimentation of the creek; and to learn skills they then can take back home and empower others to make a difference.

Our hosts, Wilma and Doug Jenkins, provided us with the best food (and more than plenty of it!), greatest campfire stories (I keep retelling them to my urban friends) and a truly unique experience on the historic Double Circle Ranch...located right in the middle of the breathtakingly beautiful Mexican gray wolf country!

This is the work that really matters not only to us but for the future generations. I highly recommend that you consider funding many more of these workshops at Double Circle Ranch (I have already reserved a spot on the next Double Circle Ranch Erosion Control Workshop in October!).

Kaisa Lappalainen
509 Valverde Dr. SE
Albuquerque, NM 87108
(505) 352-4557
ktellervo@aol.com

Jim and Clarice Holder

PO Box 1326

Clifton, Arizona 85533

holderranch@Yahoo.com

Water Protection Fund

Re: Letter of Support Grant for Wilma Jenkins

We are neighbors of Wilma Jenkins and strongly support this grant and the work she is doing to help control the erosion problems on the Double Circle Ranch as well as the education that the people receive from attending these workshops.

The past history of the Double Circle Ranch before it belonged to Wilma is one of overgrazing as well as over resting the pastures but the majority and the worst part of the erosion seems to be coming from the roads that run through out the allotment. There is lot of use by people recreating on the land. These people use the roads as well as create new ones.

Wilma works very had to increase the plant spacing by the way she is herding and using the cattle. She can do a lot with this type of grazing but when it comes to working with the erosion coming from the roads then it is much harder for her to control.

In the past she has used grant funds to have erosion control workshops. We have attended all of them to help with them as well as to learn about erosion control. We are always amazed at the number of people that attend as well as the extreme interest in the large variety of people that are trying to learn what they can do to control the erosion problems that they face in their own areas. These workshops have been attended by ranchers, agency people and private citizens all getting down into the dirt and working together, learning how to make our world a better place to live.

We feel your money would be well spent to fund this grant to Wilma Jenkins.

Noland Ranch
Crystal Noland
PO Box 1092
Morenci, AZ 85540
(928) 322-3658

August 9, 2010

RE: Support Letter, Arizona Water Protection Fund

To whom it may concern,

I am please to write this letter of support for my neighbor and adjoin rancher Doug Dressler and Wilma Jenkins. The Double Circle Ranch is a positive part of the Eagle Creek area. They have brought many new and refreshing ideas to the ranching community.

I have personally participated in their erosion control workshop and I was impressed by the professional presentation and educated instructors. I believe they are doing everything they can to take a conservative approach to their ranching operation.

The Double Circle Ranch serves as a role model in our county giving ranchers like us opportunity to educate ourselves about conservation and preservation with a hands on approach.

If you would like to speak with me further you can reach me at the above contact information.

Thank you for considering the Double Circle Ranch,

Crystal Noland

July 31, 2010

Chet & Conny Swacha
727 W Paraiso Place
Green Valley, AZ 85614

To Whom It May Concern:

We appreciated learning about erosion control and the principles of watershed restoration in dry lands. The hands-on opportunity to implement what we had learned was invaluable. The teacher and his assistant were excellent; the hosts and accommodations were great; the participants were enthusiastic and hard working. And the whole experience was fun.

We hope this workshop continues. We have highly recommended it to others.

Sincerely,
Chet & Conny Swacha
520-975-7535

USDA-Forest Service

FS-2200-10 (12/99)

TERM GRAZING PERMIT - PARTS 1 AND 2

(Reference FSM 2230)

Permittee Number: 030001

Permit Number: 030001

PART 1

Wilma Ann Jenkins and Douglas A. Dressler (Name of Permittee) of **P.O. Box 162, Myakka City, Florida 34251** (Post Office Address, Including Zip) hereinafter called the permittee, is hereby authorized to graze livestock owned by the permittee upon designated lands administered by the Forest Service within the Apache - Sitgreaves (X appropriate box) [x] National Forest's [ ] National Grassland under the following terms and conditions:

1. Description of range. The livestock shall be grazed only upon the area described as follows: described on page 8 and delineated on the attached maps dated 3/8/04, which are part of this permit. (Strike out item or items not applicable.)

Double Circles Allotment on the Clifton Ranger District, Apache-Sitgreaves National Forest's as described in Part 3, page 8 , of this permit.

2. The number, kind, and class of livestock, period of use, and grazing allotment on which the livestock are permitted to graze are as follows, unless modified by the Forest Service in the Bill for Collection:

LIVESTOCK			PERIOD OF USE		GRAZING ALLOTMENT
NUMBER	KIND	CLASS	FROM	TO	
400	Cattle	Cow/calf	March 1	February 28	Double Circle

3. It is fully understood and agreed that this permit may be suspended or cancelled, in whole or in part, after written notice, for failure to comply with any of the terms and conditions specified in Parts 1, 2, and 3 hereof, or any of the regulations of the Secretary of Agriculture on which this permit is based, or the instructions of Forest officers issued thereunder; or for knowingly and willingly making a false statement or representation in the permittee's grazing application, and amendments thereto; or for conviction for failure to comply with Federal laws or regulations or State and local laws relating to livestock control and to protection of air, water, soils and vegetation, fish and wildlife, and other environmental values when exercising the grazing use authorized by the permit. This permit can also be cancelled, in whole or in part, or otherwise modified, at any time during the term to conform with needed changes brought about by law, regulation, Executive order, allotment management plans, land management planning, numbers permitted or seasons of use necessary because of resource conditions, or the lands described otherwise being unavailable for grazing. Any suspension or cancellation action may be appealed pursuant to 36 CFR 251, Subpart C.

4. This permit supersedes permit issued March 29, 2001 to Bar X Ranch Conservatory, Inc.

I HAVE REVIEWED AND ACCEPT THE TERMS OF THIS PERMIT

SIGNATURE OF PERMITTEE OR HIS AUTHORIZED AGENT			DATE
Wilma Ann Jenkins	Douglas A Dressler		3.8.04
SIGNATURE OF FOREST OFFICER	**NAME (PRINT)**	**TITLE**	**DATE**
Frank A Hayes	FRANK A HAYES	District Ranger	3/8/04