

Pima Natural Resource Conservation District
Pima Center for Conservation Education, Inc.
3241 N. Romero Road
Tucson, AZ 85705
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Phone: (520) 250-9314



**Minutes for Combined Meeting of the Pima NRCD and Pima Center for Conservation , Inc.
(PCCE)
April 22, 2024**

Meeting was Called to order at 9:05 AM by Chair Andrew McGibbon

Pledge of Allegiance

Roll Call of Supervisors-all present:

Andrew McGibbon. Chair
Cindy Coping, Treasurer
Jonathan Duhamel, Supervisor
Mary Miller, Secretary
Sue Chilton, Vice-President

Guests:

Mynesha Holliday NRCS
Austin Urcadez, NRCS
Heather Spieth, NRCS
Elena Dosamantes, Program Coordinator for Altar Valley Conservation Alliance (AVCA)
Alisha Phipps, NRCS attended part of the meeting

NRCS Team 7 Report is attached

Financial Report highlights by Treasurer Coping

- Opened a brokerage account for the Pima Ed Center, \$27,275 transferred from Hughes and invested per portfolio allocation approved by the PNRCD/ PCCE Board of Supervisors (on 1/21/25)
- Sold all PNRCD foreign investments for realized capital gain of \$11,902.83
- Re-allocated PNRCD target brokerage portfolio to all-domestic securities per strategy approved by PNRCD/ PCCE Board of Supervisors on 1/21/25
- Market volatility caused unrealized capital losses in both the Pima NRCD and PCCE brokerage accounts but no capital losses were realized.

- Portfolios were re-balanced occasionally to target allocations

\$7613.99 remains in Hughes Ed Center checking account

State account holds \$9018.34 in Hughes checking

District account all domestic now \$119,000 as of 4/22/2025

Supervisor DuHamel asked what the tax consequences are of the realized capital gains

Since Pima NRCD is a government entity, no related tax reporting

Ed Center is a 501c(3) -an annual Form 990N is filed electronically after the end of the fiscal year. The filing is a very simple confirmation that PCCE received less than \$50k annual income. If annual income grows to more than \$50,000, then filing a full form 990 would be required.

Motion to receive the financial report made by Supervisor Duhamel, 2nd by Supervisor Miller, **all in favor**

Invoices to approve

Supervisor Copping-clerical/bookkeeping/website labor 76 hours plus reimbursement of out-of-pocket expenses and mileage, \$2085.24

Motion to approve by Supervisor Miller, 2nd by Supervisor Chilton, all in favor

Additional invoices to approve:

1) Lovitt and Touché/CNA Surety Dishonesty bond \$359.00 -covers 5 supervisors

2) AVCA \$3,750.00 for completion of two educational workshops out of the four PCCE has committed to funding

Total \$4,109.00

Motion to approve the two invoices by Supervisor Copping, 2nd Supervisor DuHamel, **all in favor**

Old Business

Rancho Seco project update by AVCA, Elena Dosamante, see attached. The solar pump and tanks are now installed. Plumbing to connect them to drinkers still needs to be installed.

Workshop series update by AVCA, Elena Dosamante. Two workshops are complete, with two to go. 50 people (including 3 staff and 14 presenters) attended the first workshop. Forty nine people including 3 AVCA staff and 9 presenters attended the second workshop. So far, 25 people and 9 presenters have signed up to attend the third workshop.

The upcoming technology workshop has many speakers, so AVCA would like to propose doing two more workshops in the fall, at a \$1,875.00 per workshop cost for each workshop. See attached proposal.

PCCE budgeted \$10116 for the 2025 fiscal year, committed \$7500.00 for the four AVCA workshops, and have \$2,600.00 remaining uncommitted budget. Fall 2025 is FY 2026 so plenty of funding is available for two additional workshops.

Motion by Supervisor Coping to pay for 2 workshops for fall 2025 from combination Ed Center funds and/ District funds at cost of \$1,875 per workshop, consistent with existing agreement with AVCA 2nd by Supervisor DuHamel. **4 in favor, Miller recused.** The first workshop is already organized to focus on technology and is titled, "Introduction to Remote Sensing and GIS Technologies." See attached proposal. The 2nd topic is open. The AVCA and Pima NRCD will sign an addendum to the existing agreement, to include the two fall workshops.

The second workshop hasn't been set and the AVCA requested suggested topics. Supervisor McGibbon suggested possible topic related to insurance / wildfire / prevention / clear guidelines for people living in rural areas about fire prevention practices — maybe fire prevention / preparedness / interact with wildland /urban interface. Bring in insurance companies? Pima and Santa Cruz Counties? Insurability against fire? Collaboration with Santa Cruz or other NRCD? Fire Districts? Improving insurability? It is such a big topic that it is putting big money into mesquite cleaning? State DFFM? FS more engaged? FS Madiera Canyon to use managed grazing to reduce fuels in Madera Canyon. Lots of interest in targeted grazing at previous workshops ... also angles of fire in relation to flooding ... a bit more of the business / fire prevention / policy / tools / managed grazing. Tie to Commercial Real Estate world in relation to invasive species and fire danger. Interplay between grazing policy / fire risk ... management of fuels. Key to get FIRE DISTRICTS?

Monarch butterfly: No activity

Clerk / facilitation:

Supervisor Miller brought a proposal from Southwest Decision Resources (SDR) to provide support to Pima NRCD, see attached.

Supervisor Coping said, if we don't do something different we won't have different results

Supervisor Chilton doesn't want to reject it, but does want to limit it.

Supervisor McGibbon stated that the reality is that most of the money we have invested has been just sitting doing nothing. If we need to use some money to get organized and helps get new faces on the board, it is reasonable.

Chair McGibbon asked for a motion to hire SDR to do 75 hours of clerical support for one year for \$8,500. **Motion** by Supervisor Miller, 2nd by Supervisor Coping, **All in favor.** Supervisor Miller and Supervisor Coping will meet with Southwest Decision Resources to develop a contract

Next meeting: Tuesday, June 17, 2025

On agenda:

Approve FY 2026 Plans of Work for PNRCD/PCCE
Approve FY 2025 Budget Requests for PNRCD/PCCE

Supervisor Coping motioned to adjourn

Meeting adjourned at 10:55 AM

Attachments:

NRCS Team 7 Report

Pima NRCD/PCCE Financial reports as of 3/30/2025

Rancho Seco project update

AVCA Range Resilience Workshop Series update

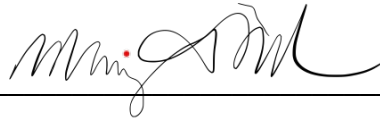
AVCA Proposed Fall 2025 Workshop: Remote Sensing and GIS Technologies

Southwest Decision Resources support proposal

Approved by vote of the PimaNRCD/PCCE Board of Supervisors June 17, 2025

Aye 3 Nay 0

Mary Miller, Chair

A handwritten signature in black ink, appearing to read 'Mary Miller', is written over a horizontal line.



**Pima NRCD Meeting
NRCS Team 7 Report
April 22, 2025**

FARM BILL PROGRAM UPDATES:

- **Federal Fiscal Year 2025 (FY25) started October 1, 2024.**
- **Application deadlines for FY25 funding have passed. Now processing applications.**
- **Eligibility Deadline for General EQIP has now passed.**
- **CSP Eligibility was March 28th, and the cost estimate and ranking deadline is July 11th**
- **Cost Estimates and Ranking Deadline for General EQIP is April 28th, 2025**
- **Still operating under 2018 Farm Bill.**

NRCS FUNDING PROGRAMS – (FY25 Allocations):

There have been no funds allocated for this Fiscal Year for our programs. We are hoping to find out soon how much funding Team 7 will receive for each program.

- **CSP – Conservation Stewardship Program**
 - Assists producers that already have a conservation plan they are maintaining. Provides financial assistance to enhance existing systems.
 - <https://www.nrcs.usda.gov/programs-initiatives/csp-conservation-stewardship-program>
- **EQIP – Inflation Reduction Act (IRA) – funds available statewide**
 - Funding through the IRA will provide direct climate mitigation benefits
 - IRA funding limited to specific Climate Smart Mitigation Activities
<https://www.nrcs.usda.gov/conservation-basics/conservation-by-state/arizona/news/nrcs-in-arizona-accepting-applications-from>
 - *Was given the go ahead to move forward with payments for active IRA contracts but cannot obligate any new contracts. This is still on hold by National*
- **EQIP – Environmental Quality Incentives Program funding**
 - Provides technical and financial assistance to agricultural producers. Helps with funding of projects on operations to improve the natural resources and management of the land.
 - <https://www.nrcs.usda.gov/programs-initiatives/eqip-environmental-quality-incentives>

- **Joint Chiefs - Catalina Rincon:** Mount Lemmon watershed area
 - The Joint Chiefs' Landscape Restoration Partnership enables NRCS and the Forest Service to collaborate with states, agricultural producers, forest landowners, tribes and public land managers to invest in conservation and restoration at a big enough scale to make a positive difference. Working in partnership, and at this scale, helps reduce wildfire threats to communities, protect water quality and supply, and improve wildlife habitat for at-risk species.
 - <https://www.nrcs.usda.gov/programs-initiatives/joint-chiefs-landscape-restoration-partnership>

UPDATES

- Fire season is expected to start early this year due to drought conditions
 - NRCS has Fire Response funding
 - AZ Department of Ag has the Livestock Operator Fire and Flood Assistance Program (LOFFAP). Final application deadline for this year is March 28th.
<https://agriculture.az.gov/about-us/divisions/agriculture-food-systems-support/livestock-operator-fire-and-flood-assistance>

Team 7 Staffing Updates:

- Team Lead – Tom Reis has taken a new position with Arizona NRCS serving as the Resource Conservationist for Ralph Ware, Assistant State Conservationist-Field Operations (ASTC-FO) effective 12/15/24. He will no longer be supervising the Field Offices in Team 7.
- Tucson Office – Rangeland Management Specialist, Heather Spieth, will be leaving the agency. Her last day will be April 22nd, 2025
- Tucson Office – Natural Resource Specialist, Austin Urcadez, will be leaving the agency. His last day will be April 29th, 2025
- Team Lead- Emilio Carrillo will be acting starting April 30th, 2025

NRCS Tucson Field Office Staff:

Alisha Phipps, Rangeland Management Specialist – Master Planner

alisha.phipps@usda.gov

*Heather Spieth, Rangeland Management Specialist

heather.spieth@usda.gov

Mynasha Holliday, Soil Conservationist

mynasha.holliday@usda.gov

*Austin Urcadez, Natural Resource Specialist

austin.urcadez@usda.gov

Emilio Carrillo, State Rangeland Management Specialist- Acting Supervisor for Team 7

emilio.carrillo@usda.gov

**Staff departing*

UPCOMING EVENTS:

- NRCWAY Camp for students (grades 8-12)
 - Natural Resources Conservation Workshop for AZ Youth
 - July 7th – 11th, Menges Mtn James 4H Camp, Prescott
- AZFB Summer Leadership Conference (formerly known as the Women In Ag Conf.)
 - July 9th & 10th, Little America Hotel, Flagstaff
- ACGA Summer Convention
 - July 23rd-25th, Eastern Arizona College, Thatcher
- AZ Society for Range Management Summer Meeting <https://azrangelands.org/>
 - In planning, tentative August 13th – 15th, northern AZ

Submitted By:

Heather Spieth

Acting Supervisory Natural Resources Specialist- Team Lead for Team 7

Rangeland Management Specialist

Natural Resources Conservation Service | Team 7

Tucson Field Office



U.S. DEPARTMENT OF AGRICULTURE

Natural Resources Conservation Service

3241 N. Romero Rd, Tucson, AZ, 85705

o: (520) 989-5627 | c: (520) 633-8376

Arizona NRCS: <https://www.nrcs.usda.gov/conservation-basics/conservation-by-state/arizona>

FY 2025 - Pima NRCD District Account Statement of Cash Receipts and Disbursements

SUMMARY	July	August	September	October	November	December	January	February	March
Opening District Account Balance	\$123,696.04	\$124,894.83	\$124,894.82	\$126,947.43	\$125,924.03	\$125,924.77	\$127,326.12	\$127,326.63	\$129,124.25
Total HFCU District Account Receipts excluding internal account-to-account transfers	\$0.33	\$2,167.08	\$0.15		\$0.74	\$1.03	\$0.51	\$0.40	\$0.46
Total HFCU District Account Disbursements excluding internal account-to-account transfers			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Net change of Fidelity investment value	\$1,973.46	\$2,166.93	\$1,385.84	-\$1,023.85		\$1,400.32		\$1,797.22	-\$2,958.05
Ending District Account Balance	\$124,894.83	\$124,894.82	\$126,947.43	\$125,924.03	\$125,924.77	\$127,326.12	\$127,326.63	\$129,124.25	\$126,166.66
State Savings Opening Balance	\$50.41	\$50.42	\$50.42	\$50.42	\$50.43	\$50.43	\$50.44	\$50.44	\$50.44
Total Savings Acct Receipts	\$0.01	\$0.00	\$0.00	\$0.01	\$0.00	\$0.01	\$0.00	\$0.00	\$0.01
Total Savings Acct Disbursements	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ending Savings Acct Balance	\$50.42	\$50.42	\$50.42	\$50.43	\$50.43	\$50.44	\$50.44	\$50.44	\$50.45
Fidelity Reporting Period	7/01/2024 to 7/31/2024	8/1/2024 to 8/31/2024	9/1/24 to 9/30/24	10/01/24 to 10/31/2024		11/01/2024 to 12/31/2024		01/01/2025 to 02/28/2025	
Month-beginning Fidelity opening portfolio value	\$123,645.63	\$124,844.09	\$125,511.02	\$126,896.86	\$125,873.01	N/A	\$127,273.33	N/A	\$128,295.55
Net change of investment value reported by Fidelity for reporting period*	\$1,973.46	\$2,166.93	\$1,385.84	-\$1,023.61		\$1,400.32		\$1,797.22	-\$2,955.93
Month-end Fidelity portfolio value	\$124,844.09	\$124,844.09	\$126,896.86	\$125,873.01		\$127,273.33		\$128,295.55	\$125,337.50
RECIEPTS									
State Checking Interest	\$0.32	\$0.31	\$0.15	\$0.59	\$0.74	\$1.02	\$0.51	\$0.40	\$0.45
State Savings interest	\$0.01			\$0.01		\$0.01			\$0.01
Fidelity interest and dividends for reporting period on statement	\$392.21	\$183.20	\$214.55	\$356.35		\$912.22		\$338.06	
Total interest and dividends	\$392.54	\$183.51	\$214.70	\$356.95	\$0.74	\$913.25	\$0.51	\$338.46	\$0.46
Net Realized capital gains				\$1,682.35					\$11,902.83
Donations									
Transfers from State Checking Account to State Savings									
Transfer from State Checking to Fidelity									
Other Income									
DISBURSEMENTS									
Net Realized capital losses									
Program expenses									
Total Contract Labor									
Total Office Expenses									
FY 2024 commitments (association dues)	\$775.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Program expenses									
Food									
Disbursement details									
NRCD Program Expenses									
Ed. Center program expense									
Postage									
Website Expense									
Meeting Expense									
Office supplies									
Supervisor mileage reimbursement									
Supervisor election expense									
Conference/training									
Surety bond & Liability Ins									
NACD dues	\$775.00						\$775.00		
AACD dues		\$1,500.00							
Transfers from State savings to State checking									
Transfers from Fidelity to State Checking	\$775.00	\$1,500.00						\$775.00	
Bank or brokerage fees	\$0.20		\$0.20	\$0.24					\$2.12

SUMMARY	July	August	September	October	November	December	January	February	March
* Reflects appreciation or depreciation of holdings due to price changes, transactions from Other Activity In or Out and Multi-currency transactions, plus any di									

Pima Center for Conservation Education, Inc. Statement of Income/

SUMMARY	July	August	September	October	November	December	January	February	March
Opening FY'25 PCCE State Funds Balance	\$0.00	\$0.00	\$0.00	-\$2.96	\$6,247.04	\$6,247.04	\$6,247.04	\$6,247.04	\$6,247.04
Total State Funds Receipts	\$0.00	\$0.00	\$0.00	\$6,250.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total State Funds Disbursements	\$0.00	\$0.00	\$2.96	\$0.00					
Ending State Funds balance	\$0.00	\$0.00	-\$2.96	\$6,247.04	\$6,247.04	\$6,247.04	\$6,247.04	\$6,247.04	\$6,247.04
Uncommitted Budget Remaining	\$10,119.00	\$10,119.00	\$10,116.04	\$10,116.04	\$10,116.04	\$10,116.04	\$2,616.04	\$2,616.04	\$2,616.04
DISBURSEMENTS									
Contract-Clerical	\$0.00	\$0.00	\$0.00	\$0.00					
Program expense	\$0.00	\$0.00	\$2.96	\$0.00					
Office Expense	\$0.00	\$0.00		\$0.00					
Total FY '25 State Funds Disbursements	\$0.00	\$0.00	\$2.96	\$0.00					
Opening FY'25 District Funds Account Balance	\$29,083.27	\$29,086.98	\$29,087.08	\$29,087.18	\$29,090.93	\$29,091.19	\$29,095.47	\$29,095.74	\$29,100.94
FY '25 PCCE District Account Receipts	\$3.71	\$0.10	\$0.10	\$3.75	\$0.26	\$4.28	\$0.27	\$0.82	\$2.10
FY '25 District Funds Account Disbursements	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Ending FY '25 PCCE District Account Balance	\$29,086.98	\$29,087.08	\$29,087.18	\$29,090.93	\$29,091.19	\$29,095.47	\$29,095.74	\$29,100.94	\$28,504.85
Opening PCCE Checking Account Balance	\$2,297.04	\$2,297.13	\$2,297.23	-\$2.67	\$6,247.42	\$6,247.68	\$6,248.30	\$6,248.57	\$7613.60
Total PCCE Checking Account Receipts	\$0.09	\$0.10	\$0.10	\$6,250.09	\$0.26	\$0.62	\$0.27	\$29,090.03	\$0.39
Total PCCE Checking Account Disbursements	\$0.00	\$0.00	\$2,300.00	\$0.00				\$27,725.00	
Ending PCCE Checking Account Balance	\$2,297.13	\$2,297.23	-\$2.67	\$6,247.42	\$6,247.68	\$6,248.30	\$6,248.57	\$7,613.60	\$7613.99
Opening savings account balance	\$29,083.27	\$29,086.89	\$29,086.89	\$29,086.89	\$29,090.55	\$29,090.55	\$29,094.21	\$29,094.21	\$5.00
Total PCCE Savings Account Receipts	\$3.62	\$0.00	\$0.00	\$3.66	\$0.00	\$3.66	\$0.00	\$0.00	\$1.71
Total PCCE Savings Disbursements	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29,089.21	\$0.00
Ending PCCE Savings Balance	\$29,086.89	\$29,086.89	\$29,086.89	\$29,090.55	\$29,090.55	\$29,094.21	\$29,094.21	\$5.00	\$6.71
Fidelity Reporting Period	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2/1/2025 to 2/28/2025	3/1/2025 to 3/31/2025

SUMMARY	July	August	September	October	November	December	January	February	March
Month-beginning Fidelity opening portfolio value								\$0.00	
Net change of investment value reported by Fidelity for reporting period*								\$4.38	-\$598.19
Month-end Fidelity portfolio value								\$27,729.38	\$27131.19
RECIEPTS									
State Land Dept Ed Center funds				\$5,000.00					
Environ. Special License Plate Fund				\$1,250.00					
State Ed Center Supplemental Funds (Pass-thru) deposited in PCCE District savings acct.									
Checking Interest and (belongs to PCCE District Account)	\$0.09	\$0.10	\$0.10	\$0.09	\$0.26	\$0.62	\$0.27	\$0.82	\$0.39
Savings Account interest Income	\$3.62	\$0.00	\$0.00	\$3.66	\$0.00	\$3.66	\$0.00	\$0.00	\$1.71
Investment interest and dividends								\$4.38	\$62.63
Savings funds transfers to checking									
District Funds transfers from checking to savings									
State funds trans.to checking									
Funds Transfer from State Account to District Account									
Funds Transfer from District Account to State Account									
Funds Transfer from Pima NRCD State Account to PCCE State Account									
DISBURSEMENTS									
Contract-Clerical									
Ed. Center pass through funds									
Program expense			\$2.96						
Office Expense & Postage									
Website Expense									
Meeting Expense									

SUMMARY	July	August	September	October	November	December	January	February	March
Supervisor election expense									
Conference/training									
Youth Programs									
Surety bond & Liability Insurance									
Transfer funds to PCCE District checking (PCCE State Account)									
Transfer Funds to PCCE District savings Account									
Funds transfer from Hughes checking account to Fidelity brokerage account								\$27,725.00	
FY '24 State Funds transfers to Fidelity									
Repayment from State account to District Account									
Checking Account Disbursements for FY 2024 commitments			\$2,297.04						

Rancho Seco Update:

As of April 13, 2025, Juan Lopez has purchased and installed a solar pump. Photos below are of the well installation completion minus plumbing connection to the tank for backup.



1480 S Calle Alamo
Sierra Vista, AZ 85508
PH 520 266 8172

INVOICE #288
Mar 20, 2024

BILL TO
Juan Lopez
JRanching@gmail.com

FOR
Solar Submersible Pump Kit

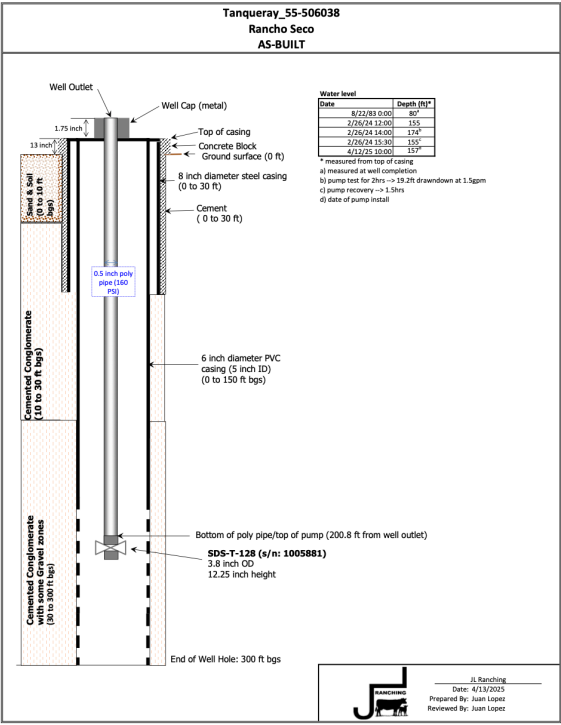
TERM: NET DUE

Description	Amount
Solar Pump system, Include:	\$2,153.00
1- T-128 Solar submersible pump, Controller, cable, safety rope, poly pipe, wire, fitting kit	
2- SM-M100-18: Solar module MM	
BALANCE DUE	\$2,153.00

PAID

Make all checks payable to SONORA RIVER ELECTRIC LLC
If you have any questions concerning this invoice, use the following contact information:
Victor Lopez,
528 266 8172,
victor@sonorariverelectric.com

THANK YOU FOR YOUR BUSINESS!





ALTAR VALLEY CONSERVATION ALLIANCE

SPRING 2025 RANGELAND RESILIENCE WORKSHOP SERIES:

In Partnership with Pima Natural Resource Conservation District

Resilience: /rəˈzilēəns/

noun

1. the capacity to withstand or to recover quickly from difficulties; toughness. "the remarkable resilience of so many institutions"
2. the ability of a substance or object to spring back into shape; elasticity. "nylon is excellent in wearability and resilience"

The Rangeland Resilience Workshop Series will be back this Spring 2025 with the purpose to continue building resilience in rangelands by providing ranchers and other rangeland managers with a broad selection of tools that will help them face the different challenges that come with managing rangelands in the Altar Valley or similar ecosystems. Some of the challenges that we will cover during this workshop series are:

1. Invasive species prevention & management
2. Wildfire planning and preparedness
3. Keeping up with technology
4. Finding funding and resources

Workshop Information:

When: Every first Tuesday, from Tuesday, March 04, 2025 to Tuesday, June 03, 2025
09:00 am - 04:00 pm

In-person:

Where: University of Arizona Campus Agricultural Center
(4101 N Campbell Ave, Tucson, AZ)
Classroom 2006 or Modular Room

Registration link: https://RangelandResilience_Inperson.eventbrite.com

Virtual:

Where: Zoom

Registration link: https://RangelandResilience_Virtual.eventbrite.com

WORKSHOP 1: INVASIVE SPECIES PREVENTION & MANAGEMENT

The goal of this workshop is to talk about invasive species, invasive species prevention, and realistic invasive species management options.

Workshop Objectives:

- Learn about identification and impacts of local invasive species
- Hear about innovative methods and technologies for treating invasives
- Begin creating your own treatment plan
- Discuss community-wide actions for addressing invasive issues

Agenda:

	TOPIC	SPEAKER
9:00 AM	Welcome, Workshop Overview, & Introductions	Sarah King, Altar Valley Conservation Alliance Julia Guglielmo, Altar Valley Conservation Alliance
9:15 AM	Rangelands & Resilience (Zoom)	Hailey Wilmer, USDA-Agricultural Research Service
9:30 AM	Introduction to Invasive Species	Elena Dosamantes, Altar Valley Conservation Alliance
9:45 AM	Species Spotlight: Stinknet	Ben Tully, University of Arizona Cooperative Extension
10:00 AM	Species Spotlight: Yellow Bluestem (Zoom)	Megan Clayton, Texas A&M AgriLife Extension
10:30 AM	Discussion: Sharing experiences and challenges	
10:45 AM	Morning Break	
11:00 AM	The Cost of Invasive Species	Dari Duval, University of Arizona Cooperative Extension
11:15 AM	Early Detection and Rapid Response	Ya-Ching Lin, Arizona-Sonora Desert Museum
11:30 PM	Predicting the Spread of Two Southwestern Invasive Plant Species	Doan Goolsby, The University of Arizona
11:45 PM	Discussion: Practical ways to monitor invasives	
12:00 PM	LUNCH	
12:30 PM	Stinknet Treatment	Tony Figueroa, Tucson Bird Alliance
12:45 PM	Targeted Grazing: a Tool to Manage Invasive Species	Flavie Audoin, University of Arizona Cooperative Extension
1:15 PM	Grazing to Control Invasives	Reece Bickerdyke, Rocking AR Goats
1:30 PM	Grazing to Improve Natives	Grant Tims, Grazing Specialist LLC
1:45 PM	Afternoon Break	
2:00 PM	Integrated Pest Management (IPM)	Josh Davy, University of California Cooperative Extension
2:30 PM	Exercise: Create Your Own Treatment Plan	
3:00 PM	Best Management Practices to Prevent Spread	Ellie Schertz, Pima County CLR Kelsey Landreville, Pima County CLR
3:15 PM	Invasive Species Efforts Across Pima County	Perry Grissom, Arizona-Sonora Desert Museum
3:45 PM	Discussion: Evaluation and Next Steps	
4:00 PM	Adjourn	

Attendance:

- In-person: 12 people + 10 presenters + 3 AVCA staff = 25 total
- Virtual: 21 people + 4 presenters = 25 total

WORKSHOP 2: WILDFIRE PLANNING & PREPAREDNESS

The goal of this workshop is to provide ranchers and rangeland managers with an action plan and the appropriate tools to be prepared when a wildfire occurs.

Workshop Objectives:

- Learn about the factors that contribute to wildfires
- Hear about innovative methods and technologies for mitigating wildfire
- Understand the steps that need to be taken when a wildfire occurs
- Begin creating your own fire preparedness plan
- Discuss community-wide actions for wildfire planning & preparedness

Agenda:

TIME	TOPIC	SPEAKER
9:00 AM	Welcome, Workshop Overview, & Introductions	Sarah King, Altar Valley Conservation Alliance Julia Guglielmo, Altar Valley Conservation Alliance
9:20 AM	Introduction to Fire Ecology	Perry Grissom, Arizona-Sonora Desert Museum
9:40 AM	Impacts of Weather Conditions on Fire Risk	Kevin Strongman, National Oceanic & Atmospheric Administration
10:00 AM	Fuels 101: How Are Fuels Measured?	Cassidy Lee, United States Fish & Wildlife Service
10:20 AM	Invasive Species & Fire in Pima County	Kim Franklin, Arizona-Sonora Desert Museum
10:40 AM	Morning Break	
10:50 AM	Wildfire Risk Mitigation in Wildland Settings	Mayra Moreno, AZ of Forestry & Fire Management
11:10 AM	Altar Valley Fire Council	Mary Miller, Elkhorn Ranch & Altar Valley Conservation Alliance
11:30 AM	LUNCH	
12:00 PM	Discussion: Experiences with fire mitigation and management	
12:10 PM	Incident Management: What Happens During a Fire	Mayra Moreno, AZ of Forestry & Fire Management
12:30 PM	Ready, Set, Go	Matthew Wilcox, United States Fish & Wildlife Service
12:50 PM	Evacuation: What To Do When a Fire Occurs	Matt McGlone, Pima County Office of Emergency Management
1:10 PM	Post-fire Ecology	Cassidy Lee, United States Fish & Wildlife Service
1:30 PM	Targeted Grazing as a Tool to Manage Fire Risk	Flavie Audoin, University of Arizona Cooperative Extension
1:50 PM	Discussion: Lessons learned and next steps	
2:00 PM	Adjourn	

Attendance:

- In-person: 9 people + 8 presenters + 3 AVCA staff = 20 total
- Virtual: 28 people + 1 presenter = 29 total

WORKSHOP 3: Keeping Up With Technology

The goal of this workshop is to provide ranchers and rangeland managers with information on up and coming technology that is readily available to them.

Workshop Objectives:

- Hear about new technologies being used in ranching and rangeland management.
- Learn how you can use technology to improve current management practices
- Participate in technology demonstrations
- Discuss the practical uses of technology in ranching and rangeland management

Agenda:

TIME	TOPIC	SPEAKER
9:00 AM	Welcome, Workshop Overview, & Introductions	Sarah King, Altar Valley Conservation Alliance Julia Guglielmo, Altar Valley Conservation Alliance
9:15 AM	Vegetation GIS System (VGS)	Ashley Hall, University of Arizona Cooperative Extension
10:00 AM	VGS Demonstration	
10:15 AM	Introduction to Stocksmart	Tipton Hudson, Washington State University
10:30 AM	Forage Production Data	Matthew Reeves, United States Forest Service
10:45 AM	Stocksmart Calculations	Matthew King, The University of Arizona
11:00 AM	Stocksmart Discussion & Demonstration	
11:20 AM	Morning Break	
11:30 AM	Climate Engine and Crop-CASMA	Matthew Reeves, United States Forest Service
11:50 AM	Water Technology on Ranches	Sarah King, King's Anvil Ranch & Altar Valley Conservation Alliance
12:10 PM	GPS Ear Tags for Livestock Management	Liz Delcamp, Pima County Conservation Lands & Resources
12:30 PM	LUNCH	
1:00 PM	Virtual Fence Technology: How it works	Flavie Audoin, University of Arizona Cooperative Extension
1:10 PM	Virtual Fence Technology: Applications	Brandon Mayer, The University of Arizona
1:30 PM	Virtual Fence Technology: Companies	Flavie Audoin, University of Arizona Cooperative Extension
1:50 PM	GAN Lab: Animal Nutrition and Diet	Doug Tolleson, Texas A&M
2:50 PM	Wrap-up and next steps	
3:00PM	Adjourn	

Projected Attendance:

- In-person: 18 people signed up
- Virtual: 17 people signed up



ALTAR VALLEY CONSERVATION ALLIANCE

FALL 2025 RANGELAND RESILIENCE WORKSHOP

In Partnership with Pima Natural Resource Conservation District

Resilience: /rəˈzɪlᵻəns/

noun

1. the capacity to withstand or to recover quickly from difficulties; toughness. "the remarkable resilience of so many institutions"
2. the ability of a substance or object to spring back into shape; elasticity. "nylon is excellent in wearability and resilience"

The purpose of the Rangeland Resilience Workshop Series workshops build resilience in rangelands by providing ranchers and other rangeland managers with a broad selection of tools that will help them face the different challenges that come with managing rangelands in the Altar Valley, Pima County, and other similar ecosystems.

The Altar Valley Conservation Alliance (AVCA) would like to propose Pima Natural Resource Conservation District continued partnership to work on extending the Spring 2025 Rangeland Resilience Workshop Series into the Fall 2025, with the possibility of extending into Spring and Fall 2026. AVCA estimates approximately \$1,875 of required funding per workshop. This estimated cost includes staff time for planning and preparing the workshop, staff time for facilitating the workshop, lunch, snacks, refreshments, name tags, and printed materials.

OBJECTIVES:

- Host two full-day educational workshops on rangeland tools in Fall 2025.
- Provide actionable tools and available resources to rangeland managers.
- Encourage collaboration between ranchers, universities, nonprofit organizations, and government agencies.

**PROPOSED WORKSHOP:
INTRODUCTION TO REMOTE SENSING & GIS TECHNOLOGIES**

There is a pressing need to develop methodologies and data collection systems at the local, regional, and national levels to monitor and assess rangelands that would supplement current field data collection techniques. Field methodologies have been refined and improved over the years, including using the latest mobile data collection devices and software, however, with the amount of land under management and limited resources available, remote sensing is being increasingly integrated into Natural Resource programs. Remote sensing and Geographical Information System (GIS) technologies increasingly offer opportunities to generate synoptic, high-resolution characterizations of ecosystems in heterogeneous and remote rangelands.

The goal of this workshop is to introduce rangeland managers and ranchers to basic concepts and useful remote sensing and GIS applications that can help detect vegetative cover patterns occurring on the landscape.

WORKSHOP OBJECTIVES:

- Learn about remote sensing and GIS based technologies directly from the experts and developers.
- Provide participants with the opportunity to connect with developers and experts in the field of remote sensing and GIS applications.
- Provide space for real-time and hands-on demonstrations.
- Plan and discuss how remote sensing and GIS based technologies can be used to improve current management practices.

PROPOSED TOPICS AND SPEAKERS:

*The topics and speakers proposed are **tentative**. The specific workshop themes, topics, and speakers are subject to change. Speakers have **NOT** been contacted yet.*

- Introduction to Remote Sensing and Geographical Information System (GIS) Technologies - Elisabeth
- DroughtView and Snowview - Patrick Broxton and Kyle Hartfield
- Rangeland Brush Estimation Tool (RaBET) - Chandra Holifield, Cindy Norton
- Assessing Vegetation Response to Climate Variability Using Satellite Imagery- Guillermo E. Ponce-Campos
- Leveraging CyVerse - Jeff Gillan
- Use of Drones on Rangelands - Jeff Gillan and/or Zach Linaman
- Rangeland Analysis Protocol - Matt Jones
- Pima County LiDAR - Elisabeth
- Standardized Precipitation Index (SPI) Tool - Mitch McClaran, Vanessa Prileson, and/or Liz Delcamp
- Pima Maps - Jon Danlow, Vanessa Prileson, and/or Liz Delcamp

LOCATION:

In-person: University of Arizona Campus Agricultural Center - Modular Room
Virtual: Zoom Meetings



Pima NRCD Support

Southwest Decision Resources - Facilitation Support Estimate (April 2025)

[Southwest Decision Resource](#) (SDR), founded in 2004, is a Tucson-based team of facilitation and collaboration professionals committed to more informed and inclusive planning and decision making on public lands and natural resource issues. We work together with our partners to support the development of successful and efficient teams that achieve effective, high quality outcomes.

SDR has worked on ranching and agriculture issues in Arizona over the past 20 years. These include:

- Work with NRCDs: Strategic planning with Pima NRCD (2014); Winkelman NRCD involvement in the Lower San Pedro Collaborative (facilitated by SDR); Verde NRCD involvement in the Verde Watershed Restoration Coalition (previously facilitated by SDR)
- Altar Valley Conservation Alliance: SDR facilitates watershed restoration planning, including rangeland issues, over the past 10 years. SDR also facilitated AVCA's strategic planning process.
- BLM Las Cienegas National Conservation Area adaptive management: SDR has supported this rangeland based collaborative effort for the past 15 years.
- Kingman Grazing Allotment - SDR facilitated the development of a contentious grazing allotment renewal process, through a grazing subcommittee of the BLM Resource Advisory Council.
- Agriculture and grazing partners are part of many of the processes we facilitate.

SDR would provide strategic planning and coordination services to the Pima NRCD Board. Tailored to the specific needs of the board, support would include a team of two facilitators to conduct:

Annual facilitation and coordination support - Amount: ~\$8,500/yr (Total hours: 75)

- Scheduling, documentation and website management
- Agenda design, facilitation and notetaking of quarterly board meetings (in-person, 4/yr)
- Interim check-in/planning meetings (virtual, 2/yr)

Note: After the first year we would transition to one facilitator supporting the board, reducing costs.

Strategic planning and design - Amount: ~\$7,000 (Total hours: 45)

Strategic planning support would help to develop board capacity, review and refine board objectives, identify potential new members and assess cooperator engagement.

- Initial meetings with board to identify scope and objectives
- Assessment interviews with board members, and assess coordination with AACD and other NRCDs
- Design, facilitation and notetaking of strategic planning half-day retreat
- Path forward meeting to identify next steps
- *Optional* - Cooperator management: Assess current communication and coordination with cooperators. Identify needed improvements and develop processes to implement (Hours/cost TBD based on scope and need)