# *AMADOR*
# *RESOURCE CONSERVATION DISTRICT*

Mailing Address: 12200-B Airport Road, Jackson CA 95642

***DIRECTORS***

Steve Cannon, Carole Marz, Dan Port, Kelsi Williams

***Associate Directors***

## REGULAR MEETING AGENDA

**DATE:** February 18, 2021 **TIME**: 3:00 PM **LOCATION**: Chichizola Store (Mother Lode Land Trust) 1324 Jackson Gate Road, Jackson, CA 95642

*Due to concerns about health & the need to maintain social distance, this meeting will allow for telephone attendance via conference call. If interested, please call (612)470-1917 & use PIN 294-465-236#. If you choose to attend via video conference, go to meet.google.com/hyh-zwww-ngn*

**ROLL CALL**

**AGENDA**

Approval of agenda for this date; any and all off-agenda items must be approved by the Board of Directors Pursuant to Para 5495.2 of the government code.

ORAL COMMUNICATIONS BY THE PUBLIC FOR ITEMS NOT APPEARING ON THE AGENDA CONSIDERATION OF "EMERGENCY OR "SUBSEQUENT NEED" ITEMS NOT APPEARING ON THE AGENDA Cal. Gov`t Code 54954.2(b)(2)

| Item # | Time Allotted | Topic |
|---|---|---|
| 1 | 3:05 – 3:15 | Approval of itemized warrants. |
| 2 | 3:15 – 3:20 | Approval of minutes of past meetings |
| 3 | 3:20 – 3:40 | NRCS Report |
| 4 | 3:40 – 4:15 | District Manager Report – Amanda Watson<br>3 Meadows Contract award |
| 5 | 4:15 – 4:30 | Treasurer Report |
| 6 | 4:30 – 4:45 | Director vacancy – discussion and action on advertisement |
| 7 | 4:45 – 4:50 | Jill Damsky salary adjustment - action |
| 8 | 4:50 – 5:00 | .Correspondence |
| 9 | 5:00 | Adjourn |
| | | |

# January 2021- ARCD Board Meeting

**Starting Warrant 21-010**

| Warrant Number | Amount | Pay to | Project | Notes |
|---|---|---|---|---|
| 21-010 | $ 3,265.08 | CARCD | ARCD | January AW Staff Time |
| 21-011 | $ 460.46 | CARCD | SAWQA | January AW Staff Time |
| 21-012 | $ 157.00 | Balancing the Books | ARCD | Bookkeeping -January Work |
| 21-013 | $ 443.69 | The Regents of University of CA | ARCD-SARE | Scott Oneto's work 1/1/2021-1/31/2021 |
| 21-014 | $ 477.46 | Amanda Watson | ARCD/NACD | Quarter 4 Supplies |
| 21-015 | $ 745.95 | Amanda Watson | ARCD | Reimbursement Workers Comp Payment |
| 21-016 | $ 351.32 | Amanda Watson | SAWQA | Checkbox Mailing Supplies |
| 21-017 | $ 512.87 | Pre-Sort | SAWQA | Newsletter Mailing |
| 21-018 | $ 173,389.07 | Sacramento Valley Water Quality Coalition | SAWQA | 2020/2021 Coalition Payment (50%) |

## ARCD Income

| Date | Amount | Check From | Project | Notes |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

**NOTES**

# AMADOR RESOURCE CONSERVATION DISTRICT

## Minutes for Special Meeting of January 28, 2020

Special meeting was called to order by President Cannon at 3:03pm.

Present were: Directors Cannon, Port, Marz, Williams
District Manager Amanda Watson, Emily Taylor, Scott Oneto, Bobette Parsons

A motion was made by Director Marz to approve the agenda as presented.
Seconded by Director Williams
All in favor, motion carried.

No oral communications.

Item 1: 9 warrants were presented for payment approval by Director Port, Warrant # 21-001 - #21-009. See Invoice Summary. A motion was made by Director Long to approve the 9 warrants for payment, seconded by Director Marz, motion carried, all in favor.

Item 2: December Minutes
A motion was made by Director Port to approve the December Minutes as presented.
Seconded by Director Marz
Williams abstain
All in favor, motion carried.

Watson will review November minutes for approval at the February Meeting.

Item 3: NRCS report submitted via email. See NRCS Report.

Item 4: Fire Safe Council Request for partnership
John Heissenbuttel introduced himself as a RPF, a board member of Amador FSC, and CalAm member. The AFSC request the ARCD to be the lead agency on the Mitchell Mine Fuel Break Maintenance Notice of Exemption. Steve Cannon will be the ARCD contact on this project. AFSC and grant funding will cover the costs,

Director Williams motioned to work with Amador Fire Safe Council and be the lead agency for the Mitchell Mine Fuel Break Maintenance CEQA documentation.
Director Port seconded the motion.
All in Favor.

Item 5: Amanda Watson presented DM Report.
Director Port made a motion to contract for the implementation and labor compliance on High Onion Meadow with the provision to include future meadows as funding allows.
Director Marz seconded the motion.
All in Favor.

Director Marz made a motion to move forward with the Monarch/Pollinators Project grant to the Partners Fish and Wildlife program.
Director Williams seconded.

All in Favor.

Item 6: No Treasurers Report presented

Item 7: Director Vacancy and Appointment
Director Williams made a motion to recommend Emily Taylor to the Board of Supervisors for the appointment of Emily Taylor to fill the Director Long's vacancy.
Seconded by Director Marz.
All in favor

Item 7: No correspondence

Item 8: Meeting adjourned at 4:30 pm.

**/AWatson/**

# AMADOR RESOURCE CONSERVATION DISTRICT

## Minutes for Special Meeting of October 22, 2020

Meeting was called to order by President Cannon at 3:03pm.

Present were: Directors Cannon, Port, Marz, Long
District Manager Amanda Watson, Scott Oneto, Kelsi Williams

A motion was made by Director Marz to approve the agenda as presented.
Seconded by Director Long
All in favor, motion carried.

Communications from the Public: Scott Oneto thanks the board for contributing to Farm Day.

Item 1: 13 warrants were presented for payment approval by Director Port, Warrant # 20-093 - #20-105. See Invoice Summary. A motion was made by Director Long to approve the 13 warrants for payment and approve Watson to pay a maximum of $2500 for CARCD Dues, seconded by Director Marz, motion carried, all in favor.

Item 2: No Minutes presented.

Item 3: NRCS report submitted via email. See NRCS Report.

Item 4: Amanda Watson presented DM Report.

Item 5: No Treasurers Report presented

Item 6: Discussion on Wood Angels requesting donation tabled to future meeting.
Director Port made a motion to donate $1,300 to Farms of Amador.
Seconded by Director Marz.
All in Favor

Item 7: Information tabled until next meeting.

Item 8: No correspondence

Item 9: Meeting adjourned at 4:35 pm.

**/B.Long & AWatson/**

**USDA-NRCS Report by Bobette Parsons, District Conservationist, Jackson LPO**
**February 2021**

Environmental Quality Incentives Program (EQIP) and Conservation Stewardship Program (CSP)

- Administration on-going on 117 active conservation contracts to treat 30,779 acres.
- Federal funding of 5.8 million dollars obligated for conservation activities in active contracts.
- Implementation of 242 conservation practices in FY20 on all land uses totaling $1,298,384.00.
- Dollars paid for conservation practices in FY20 across three counties were 49% Range, 47% Forest and 4% Cropland.
- 30 new conservation contracts obligated for FY20 EQIP and RCPP.
- 2 new CSP contracts on Rangeland are pending obligation in February.

Agricultural Land Easement Program (ALE)

- 5 Applications obligated in FY2020 from Jackson LPO counties to protect 2,772 rangeland acres in easement agreements.
- March 5th application deadline for FY21 ALE

NRCS Pollinator project with Zerces Society

- Hedgerow planting completed in Fall on an Amador county ranch. Data to help evaluate benefits to pollinators.

Conservation Planning 2021

- On-going requests for assistance being received, with needed planning on Tree Mortality, Catastrophic wildfire recovery, General forestry, RCPP, Rangeland and Cropland acreages.
- Numerous requests for planning on Rangeland.
- Rangeland planning priority on applicants without adequate livestock water.
- Plans being developed for FY21 EQIP funding on forestry, range and cropland projects. March 3rd and June 9th are the ranking dates for FY21 EQIP projects competing for funding.

Staff Updates

- NRCS Range Conservationist, Kevin Stammerjohn, will join us from Az on March 1
- Following Forester resignation, a detail position was advertised within NRCS California (no applicants referred at this time).
- Permanent NRCS Forester Position will be advertised later this year.

**Natural Resources Conservation Service**
12200 B Airport Road
Jackson, CA 95642
Phone 209 223-3581
An Equal Opportunity Provider and Employer

- Office remains open for business through telework and rotational staff time in office. Office is closed to clients and visitors, but field work continues with social distancing.

# Amador RCD

## District Manager Report

Prepared for: February 18th 2021 Board Meeting

**Current Projects Updates:**

Three Meadows, NFWF Grant: Received $63,000 of funding PG&E and the Ecological Resource Committee to cover the cost of the Three Meadows Implementation. Working on contracting for implementation and labor compliance contract.

Amador Rangeland Soil Health Research and Education Project, WesternSARE –Will plan spring video/tailgate with UCCE.

Community Chipping Program: 6 Community Chipping Days are set and advertising will begin this week; River Pines, Ione, Sutter Creek, Pine Grove, and Lockwood and Fiddletown. A total of 15 applications for the roadside chipping services have been submitted, 10 of them have been completed.

Patagonia Carbon Farm Plan: PT Ranch and Fegulia Ranch CFPs are complete. Molly and Garrett are working with Cary to complete his CFP.

Healthy Soil Program Technical Assistance Funding- Molly and Garrett are working with Cary on his planning and implementation. A total of 4 landowners were funded.

Monarch Habitat Garden: We need to plan for how to manage this garden as we move into spring.

**Funding Opportunities:**

- Mitchell Mine Fuel Break Maintenance/Demonstration: CalFire Interagency Agreement opportunity. $230,000 to work with AFSC to implement maintenance on fuel break as well as implement an education/demonstration project with different types of herbicide application. Project Summary Attached.
- Carbon Hub Funding: meeting with CCI and Hubs to develop a proposal over the next 4 months.
- NACD 2021: Request submitted $100,000 to continue to support to NRCS office.
- US Fish and Wildlife Partners Program: $25,000 grant for installing habitat on private land. Draft Project Summary attached.
- Sierra Nevada Conservancy will be having funds coming available for forest health and fire protection projects in March and July of this year.
- Land Resilience Partnership Program: This is a program that I've been working with ACT and Mariposa RCD to adapt from the Tuolumne Program as a possible regional project. See Project Summary Attached

**SAWQA:**

Newsletter and check box mailing send, over 70% reporting is complete. Late invoice will go out next week.

12200 B Airport Road, Jackson CA 95642
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# Proposed Project Summary

Project Name: Amador County Mitchell Mine Fuel Break Maintenance

Entity: Amador Resource Conservation District (ARCD)

Updated: 2/10/2021

# EXHIBIT A

**Agreement Type**: Interagency Agreement Request/CALFIRE

**Project Start Date:** June 30th 2021

**Proposed End Date:** December 30th 2022

**Requested Amount: $227,700.00**

**Scope of Work:**

This project is for the maintenance of the existing Mitchell Mine Fuel Break. The Mitchell Mine Fuel Break was constructed as a linear feature approximately 300-400 feet wide and approximately 10.5 miles long north of the town of Pine Grove. Starting on the east end at Hwy 88 and the Aqueduct Road intersection and running north and west to the intersection of Ridge Road and Hamricks Grade Road. This fuel break generally runs along the major ridge lines. The Mitchell Mine shaded Fuel Break was constructed using a combination of treatments which included mastication, hand thinning, chipping and pile burning. The objective of the fuel break is to reduce surface and ladder fuels, and to achieve canopy spacing to mitigate the threat of wildfire to private and public property.

This project will involve the maintenance of this fuel break by treating the sprouting brush species by the use of herbicides, mechanical re-mastication of sprouts, flaming, prescriptive grazing, hand cutting and chipping, hand cutting and lopping, or hand-cutting and piling with subsequent pile burning. The Amador Fire Safe Council has obtained permission from the affected private landowners for the initial phase of this project. These same private landowners will be contacted to receive their concurrence before the maintenance activities commence on their parcels. Work will be done outside the required defensible space of 100 feet around homes.

The project will include a demonstration for the use of herbicide as a maintenance/fuel abatement practice. Scott Oneto, Farm Advisor with University of California Cooperative Extension will serve as the Primary Investigator (PI) and conduct a brush control demonstration on the Mitchell Mine Fuel Break in Amador County that will be used for educational purposes for private landowners, pest control advisors, land managers, agency personnel, foresters, and other interested individuals. The demonstration will consist of testing several herbicides including organic alternatives at various rates and using multiple application techniques. One of the treatment methods that will be tested is a low volume technique called drizzle that reduces the amount of herbicide solution applied to the site. Traditional foliar applications are often applied from 30 gallons per acres up to 200 gallons per acre. The drizzle technique is applied at 3-5 gallons per acre and has been proven to be effective on many shrub and woody species. Treatments will be tested in both the Fall and Spring to demonstrate any timing differences in herbicide efficacy. The PI will be responsible for setting up the demonstration plot, applying the herbicides, data collection, and data analysis. Scott will also assist the Amador Resource Conservation District, Amador Fire Safe Council, and other project partners with educational outreach events and the development and dissemination of handouts.

The overall goals of the Mitchell Mine Fuel Break are as follows:

The project will reduce fuel loads and increase visibility along the narrow and twisting rural canyon roads with little or no shoulders. Upon completion of the project, the following benefits will be received:

(1) Shorten response times for emergency equipment and crews,

(2) Provide defensible locations (staging areas, landing zones, shelter zones) for use during emergency incidents,

(3) Maintain safe evacuation routes for many Amador County residents and their animals,

(4) As a result of increased visibility and reduction of hiding cover along roadsides, reduce wildlife mortality as a result of vehicular collisions.

(5) Maintenance of the existing shaded fuel break in a location that will greatly benefit residents in the Pine Grove and surrounding areas.

(6) Provide a demonstration and education opportunity to assist the greater community in utilizing herbicide and other maintenance practices to encourage landowners to maintain the fuel break.

**Cost Factors/This budget of this project will cover:**

- The development of a CEQA Notice of Exemption, with Amador RCD as the lead agency, to cover the maintenance of the fuel break.
- Treatment to provide maintenance within the Mitchell Mine Fuel Break. Treatment is anticipated to include: 120 acres of herbicide applications, 30 acres of prescribed grazing, 15 acres of re-mastication, and 15 acres of handwork (including hand cutting and chipping, hand cutting and lopping, or hand-cutting and piling with subsequent pile burning, and/or flaming)
- Project management, landowner coordinator, contract development, and general project coordination.
- Development and implement an herbicide application demonstration. The budget covers the Primary Investigator's time to conduct the demonstration and provide education.
- Supplies: Outreach Materials, Demonstration Supplies, Signage, Mailing Costs.
- Mileage.

**Personnel/Coordination Responsibilities:**

- Amanda Watson, Amador RCD District Manager will provide project management, coordination, and outreach.
- Ed Struffenegger, Registered Professional Forester will develop CEQA documentation, provide contract and education for landowners, and provide on the ground management and review of resources.
- Scott Oneto, University of California Cooperative Extension (UCCE) Farm Advisor will serve as the Primary Investigator for the herbicide application demonstrations and outreach and education.
- Pest Control Advisor will be contracted and will serve as a component of the herbicide application.
- AFSC/ARCD Board Members will provide volunteer assistance and guidance for the project.

**Deliverables and Reporting:**

- 180 acres treated for maintenance along the Mitchell Mine Fuel Break.
- Demonstration project testing several herbicides including organic alternatives at various rates and using multiple application techniques.
- Develop an Herbicide Application Report and outreach materials based on insight from Demonstration Project.
- Host 2 Field Visits/tailgate workshops.
- Present at 5 workshops/town hall meetings.

**Timeline:**

- June 30th 2021: Agreement Executed
- July 30th 2021: Completion of CEQA Documentation.
- Fall 2021: 1st Demonstration Herbicide Application.
- Fall 2021: 60 acres of maintenance treatment completed.
- December 30th 2021: 6-month progress report.
- Spring 2022: 2nd Demonstration Application.
- Spring 2022: 120 acres of maintenance treatment completed.
- Spring 2022: Field Visit/Tailgate workshop held.
- June 30th 2022: 6-month progress report.
- Fall 2022: Herbicide Application Report/Outreach Material completed and distributed.
- Fall 2022: Field Visit/Tailgate workshop held.
- December 30th 2022: Final Report.

**Evaluation:**

Performance will be evaluated based on the completion of deliverables within the timeline, progress reports will be submitted every 6 months.

**Budget:**

| Mitchel Mine Fuel Break Maintenance DRAFT Budget | |
|---|---|
| Interagency Agreement (CALFIRE/ARCD) | |
| **Budget Category** | **Cost** |
| **Contractual** | **$ 204,500.00** |
| Handwork/Flaming ($3000/acre) | $ 45,000.00 |
| Mechanical Mastication ($2000/acre) | $ 30,000.00 |
| Herbicide Treatment/Grazing ($500/acre) | $ 57,500.00 |
| Grazing Treatment ($500/acre) | $ 20,000.00 |
| Registered Professional Forester (CEQA Development/Contractor Oversight) | $ 35,000.00 |
| Project Oversight | $ 12,000.00 |
| Demonstration Develop/Implement | $ 5,000.00 |
| **Other Cost** | **$ 2,500.00** |
| Supplies | $ 2,000.00 |
| Mileage | $ 500.00 |
| **Indirect (10%)** | **$ 20,700.00** |
| **Total** | **$ 227,700.00** |

**Project Map:**

Mitchell Mine Fuel Break Maintanance Project
N
Legend
Mitchell Mine Fuel Break
0.5 0.25 0 0.5 1 1.5 2
Miles
Developed:2/10/2021 A.Watson

12200 B Airport Road,
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# Project Summary/Work plan

**Project Name:** Monarch & Pollinator Corridor Project

**Entity:** Amador Resource Conservation District (ARCD)

On behalf of the Amador/Calaveras/Tuolumne Partnership

**Submitted to:** Partners for Fish and Wildlife Program

**Date:** January 20 2021

**Description of Monarch & Pollinator Corridor Project**:

In the 1990s, nearly 700 million monarchs made the epic flight each fall from the northern plains of the U.S. and Canada to sites in the forests north of Mexico City. Now, researchers and citizen scientists estimate that there has been a decline of 99.4% in coastal California, from an estimated 4.5 million in the 1980s to 28,429 as of January 2019. The Amador Resource Conservation is in the beginning stages of developing a monarch conservation program. This program will encourage landowners on large agricultural properties as well as residential landowners to promote increased numbers of monarchs by implementing monarch habitats. Implementing monarch habitats include providing plants that are required by monarchs to breed and reducing the use of pesticides harmful to monarchs. The Amador RCD is working with neighboring RCDs, Calaveras and Touloumne, to develop a regional program to support soil health, best management practices and increasing habitat for pollinators and monarchs in the Sierra Nevada foothills.

A key component of this program is establishing demonstrations on several land-use locations, and develop a system to coordinate projects that will best facilitate habitat for Monarchs and Pollinators in the region. The demonstration will provide habitat for monarch butterflies but also serve as an educational tool to the public and landowners regarding the importance of establishing habitat for monarchs. The restoration will be planted as hedgerows of native plants that monarchs and other pollinators require. The location will be determined through an outreach process and review of potential sites; these site will be ranked using by criteria to judge the conservation value. Several sites will be identified, which will serve to identify a site for this project and also help the RCD to identify additional locations for future projects.

**Tasks:**

**Task 1.** Conduct outreach to educate Amador, Calaveras, Tuolumne County landowners about hedgerow benefits. Generate a list of agricultural landowners interested in installing hedgerows. These sites will be ranked, ranking criteria will include amount of carbon projected to be sequestered; wildlife habitat value; connectivity; matching funds or in-kind contributions; and site suitability for woody vegetation. For the selected landowner ARCD will create a hedgerow plan that is compatible with their site-specific operations and property configuration. ARCD will provide the landowner with technical assistance for species selection and installation methods.

**Task 2**: Complete pre-project assessments, initiate compliance, obtain permits. Pre-project assessment includes establishment of fence location if needed, estimation of planting locations,

and establishment of photo points. Compliance includes obtaining clearances for NEPA, ESA, contaminants, and cultural resources.

**Task 3:** Install hedgerow on the highest-ranking site, creating a total of 2 miles of hedgerow. Complete site preparation consisting of weed control with herbicide in the spring/summer seasons,
followed by disking/harrowing the soil in the fall to create appropriate planting/seeding conditions.

**Task 4:** Install native hedgerow plants and/or seed on site. Plant installation will then occur during the winter season. Depending on the site the hedgerow corridor will be seeded with a mix of native grass seeds and forbs using broadcast and drill seeding equipment; landowners may opt for a hedgerow of densely planted shrubs and trees without a seeded understory. Locally appropriate woody species will then be planted in a linear configuration at each site. Depending on the width available, trees and shrubs will be installed either in single or double lines, planted on 10 foot centers.

**Task 5:** Drip irrigation will be installed and operated for a minimum of 2 summers. The USFWS Project Manager and landowners will conduct post-project inspection to evaluate project quality and completeness. The landowner will conduct long-term monitoring (photo documentation) of the fenced area and make repairs as necessary for the term of the contract. ARCD will manage the sites to ensure successful plant establishment. Management tasks will include repair and operation of irrigation systems, herbicide spraying and timed mowing to reduce weed competition, repair of tree tubes for herbivory protection, and re-planting as needed.

**Budget:**

Technical Assistance: $8,000

Oversight: $1,000

Supplies: $14,500

In-Direct: $1500

Total: $25,000

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www.AmadorRCD.org

# Proposed Project Summary

**Project Name:** Regional Land Resilience Partnership Program

**Entity:** Mariposa/Amador/Calaveras/Tuolumne RCD Partnership

**Date:** February 15th 2021

# Regional Land Resilience Partnership Program

Amador, Calaveras, Tuolumne, and Mariposa County RCDs (MACT) propose to collaborate on a regional program to provide natural resource and land management information and technical assistance to private landowners. The program will focus on technical assistance; each RCD will be able to focus on natural resource elements that the District chooses and funding allows.

The program will be modeled on Tuolumne County's successful Land Resilience Partnership program, which involves providing technical assistance onsite, developing a plan for each property based on landowner interests, and providing a cost-share amount (when funding is available) to implement conservation activities or upgrades.

In the initial project the MACT partnership intends to focus on home hardening and fire protection technical assistance. Each RCD will decide on additional natural resource elements to focus on. Below is a list of natural resource elements that are included in the Tuolumne's Land Resilience Program.

Working together as MACT, the four RCDs intend to develop a scope of work and budget to identify home hardening products and actions that will increase fire resiliency and provide additional protection to private homes. Each RCD will be able to implement the program based on the its own needs, but the basic components will include:

- Public education about home hardening
- Onsite technical assistance
- A cost share or rebate component

Once the program has been developed, MACT will jointly prepare and submit grant applications to fund implementation. Partners will divide the work of preparing and administering the grant or grants based on resources and capabilities, and will allocate funding by consensus.

One of the goals of this effort is to develop a regional approach to leverage resources and strengthen applications for funding, while addressing common needs and mutually supporting each other in meeting RCD goals for conservation and education. MACT will continue to explore ideas for collaboration and may extend successful program ideas to other RCDs throughout the Sierra Nevada.

home hardening information and product rebates to private landowners.

**Project Benefits:**

Tuolumne RCD has found that this program prepares the RCD for requesting implementation funding. TRCD has a list of interested landowners organized by natural resource interests. The technical assistance provides the landowner will a plan, this means that there is a project ready for implementation when funding is made available.

This is a flexible program where the RCDs can focus on natural resource issues that are of greatest concern and/or have funding for.

**Natural Resource Elements (See Opportunity Report from Tuolumne RCD Program)**

Land & Environment:
Such as: Habitat and Biodiversity, Air Quality, Watershed Health and Function, Agricultural Vitality, Groundwater Recharge, Resource Recovery, Carbon Sequestration, Healthy Soils, Local Food Resilience, Healthy Soils, Adaptability to Climate Change

People and Community:
Local Economy, Community Resilience, Health and Safety, Recreation, Educational Opportunity, Water Affordability, Aesthetics, Cultural Diversity, Urban Heat Island Effect, Habitat and Biodiversity, Instream Equity / Environmental Justice,

Water Quality/Supply

Flooding

Risk & Resilience:
Such as: Land and Structure, Fire, Flood, Invasive Weeds, Water Supply, Regulatory, Habitat

Energy Use

# Landowner Resilience Program: Opportunity Report

SITE: DATE:

TREATMENTS:

## Land and Environment

- [ ] Habitat and Biodiversity
- [ ] Instream Flow Enhancement
- [ ] Air Quality
- [ ] Decreased GHG Emissions
- [ ] Carbon Sequestration
- [ ] Watershed Health and Function
- [ ] Agricultural Vitality
- [ ] Groundwater Recharge
- [ ] Resource Recovery
- [ ] Healthy Soils
- [ ] Local Food Resilience
- [ ] Equity / Environmental Justice
- [ ] Protected Aquatic Habitats
- [ ] Adaptability to Climate Change
- [ ]

Score %

## People and Community

- [ ] Local Economy
- [ ] Community Resilience
- [ ] Health and Safety
- [ ] Recreation
- [ ] Urban Heat Island Effect
- [ ] Educational Opportunity
- [ ] Water Affordability
- [ ] Aesthetics
- [ ] Cultural Diversity
- [ ] Watershed Health and Function
- [ ] Access to Safe Drinking Water
- [ ] Air Quality
- [ ] Reduce Subsidence
- [ ] Equity / Environmental Justice
- [ ] Local Food Resilience

Score %

## Water Quality

- [ ] Watershed Health and Function
- [ ] Access to Safe Drinking Water
- [ ] Water Supply Protections
- [ ] Reduced Nutrient Loading
- [ ] Reduced Sediment Loading
- [ ] Habitat and Biodiversity
- [ ] Protected Aquatic Habitats
- [ ] Groundwater Recharge
- [ ] Decrease Saltwater Intrusion
- [ ] Healthy Soils
- [ ] Instream Flow Enhancement
- [ ] Reduced Toxin Loading
- [ ]
- [ ]
- [ ]

Score %

## Water Supply

- [ ] Watershed Health and Function
- [ ] Access to Safe Drinking Water
- [ ] Groundwater Recharge
- [ ] Instream Flow Enhancement
- [ ] Water Supply Reliability/Redundancy
- [ ] Habitat and Biodiversity
- [ ] Instream Flow Enhancement
- [ ] Decrease saltwater intrusion
- [ ] Healthy Soils
- [ ] Protected Aquatic Habitats
- [ ] Water Supply Protections
- [ ]
- [ ]
- [ ]
- [ ]

Score %

## Flooding

- [ ] Reduced Nuisance Structure Flooding
- [ ] Reduced Large Flooding Risk
- [ ] Groundwater Recharge
- [ ] Healthy Soils
- [ ] Protected Aquatic Habitats
- [ ] Watershed Health and Function
- [ ] Habitat and Biodiversity
- [ ] Reduced Toxin Loading
- [ ] Reduced Nutrient Loading
- [ ] Reduced Sediment Loading
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]

Score %

## Risk and Resilience

- [ ] Land and Structure Resilience
- [ ] Fire Resilience
- [ ] Local Food Resilience
- [ ] Adaptability to Climate Change
- [ ] System Resilience
- [ ] Water Supply Reliability
- [ ] Stranded Assets
- [ ] Reputational Risk
- [ ] Regulatory Compliance
- [ ] Watershed Health and Function
- [ ] Equity / Environmental Justice
- [ ] Habitat and Biodiversity
- [ ] Reduce Subsidence
- [ ]
- [ ]

Score %

## Energy

- [ ] E for Water Extraction
- [ ] E for Water Conveyance and Distribution
- [ ] E for Water Treatment Collection
- [ ] E for Wastewater Collection and Treatment
- [ ] E for Wastewater Disposal
- [ ] E for Heating Water
- [ ] E for Heating and Cooling Buildings
- [ ] E Production Through Hydropower
- [ ] E for Lighting
- [ ]

Score %

## Overall Resiliency Impact

Total Score / Possible Points

/ %