

**Water Supply Reserve Fund
Water Activity Summary Sheet
March 21, 2019
Agenda Item 24(n)**

Applicant & Grantee: Animas Consolidated Ditch Company
Water Activity Name: Water Supply/Watershed Restoration
Water Activity Purpose: Agricultural Implementation
County: La Plata
Drainage Basin: Southwest
Water Source: Animas and Hermosa
Amount Requested: \$25,000 Southwest Basin Account
\$125,000 Statewide Account
Matching Funds: Basin Account Match
• 20% of the statewide request (meets 10% min)
Applicant Match (cash & in-kind) = \$150,000
• 120% of the statewide request (meets 10% min)
Total Match (Basin & Applicant)
• 140% of the statewide request (meets 50% min)
• 58% of the total project cost of \$300,000

Staff Recommendation:
Staff recommends approval of up to \$25,000 from the Southwest Basin Account and \$125,000 from the Statewide Account to help fund the project titled: Water Supply/Watershed Restoration.

Water Activity Summary: This project encompasses a collaborative restoration and response effort among mutual ditch companies significantly affected by the 416-Fire. The 2018 fire devastated 54,000 acres with costs and property losses estimated at \$50 to \$60 million, leaving several miles of burn scars along the west sides of the Animas and Hermosa Valleys. The Animas Consolidated Ditch Company (ACDC) has been deeply affected by post-fire erosion and the resulting costs and risks to properties and residents. The 12-mile ditch provides irrigation and other water uses on roughly 3,000 acres. The 311 members provide consistent and adequate funding for the normal operation of the ditch.

In 2018 alone, the ACDC was impacted by over 50,000 cubic yards of silt and debris. About 30,000 cubic yards have been removed to date, leaving another 20,000 cubic yards still in the ditches with more to come. Without intervention, the ACDC may have to clean out almost the full length of the ditches every time it rains over the next five to ten years. The cost of installing new structures to manage future debris will ultimately be less than cleaning and repairing the ditches after each debris flow. Objectives of this project are as follows:

1. Remove debris and repair ditches from the impacts of flash floods in 2018 through 2023;
2. Manage and reduce impact of future debris flows by installing twelve projects with improved ditch design;
3. Prevent silt and debris flows by rehabilitating the burn scar in cooperation with La Plata County,

Colorado Department of Transportation, the U.S. Forest Service, Natural Resource Conservation Service, and other programs.

Discussion: As described in the Southwest Basin Roundtable chair's recommendation letter, this project was supported and recommended for approval by the roundtable on January 9, 2019. The proposed project Colorado's Water Plan *Objective D: Agriculture* to support Colorado's agricultural industry and *Object F: Watershed Health* to protect and restore water quality. The Southwest Basin Implementation Plan goals met by this project include: *Goal A2*: mitigate impacts that occur in a post-fire environment; *Goal A5*: maintain watershed health through restoration; *Goal B2*: preserve agriculture and encourage efficiency improvements, and *Goal F1*: monitor, protect and improve water quality for all classified uses.

Issues/Additional Needs: No additional needs have been identified.

Eligibility Requirements: The application meets requirements of all eligibility components.

Evaluation Criteria: Staff has determined this activity satisfies the Evaluation Criteria.

Funding Summary / Matching Funds:

<u>Funding Source</u>	<u>Cash</u>	<u>In-Kind</u>	<u>Total</u>
Animas Consolidated Ditch Company and other ditches	\$45,000	\$30,000	\$75,000
Southwestern Conservation District	\$75,000	\$0	\$75,000
Subtotals	\$120,000	\$30,000	\$150,000
WSRF Statewide Account	\$125,000	n/a	\$125,00
WSRF Southwest Basin Account	\$25,000	n/a	\$25,000
Totals	\$270,000	\$30,000	\$300,000

CWCB Project Manager: Megan Holcomb

SOUTHWEST BASINS ROUNDTABLE

Michael Preston, Chair

c/o Dolores Water Conservancy District

P.O. Box 1150

Cortez, Colorado 81321

970-565-7562

January 17, 2019

Megan Holcomb

Water Supply Management Section

Colorado Water Conservation Board

1580 Logan Street, Suite 600

Denver, Colorado 80203

SUBJECT: Animas Consolidated Ditch Company Water Supply/Watershed Restoration -
\$25,000 from the Southwest Basin Fund and \$125,000 from the Statewide
Account

Dear Megan:

The Southwest Basin Roundtable has approved funding in the amount of \$25,000 from the Southwest Basin Fund and \$125,000 from the Statewide account for the Animas Consolidated Ditch Company Water Supply/Watershed Restoration Project. The application was considered in detail at the January 9, 2019 meeting of the Southwest Basin Roundtable. There was a quorum of Roundtable members present.

The Project addresses Southwest Basin IPP 2-MB: Collaborative Efforts to Address Environmental and/or Recreational Water Gaps and BIP Measurable Goals and Outcomes A2: Maintain Quality of Life, Mitigate Impacts of Post Fire Environment, A5: Maintain Watershed Health, B2: Preserve Agriculture and Encourage Efficiency Improvements, F1: Monitor and Protect Water Quality. The Project addresses and Colorado Water Plan Goal D: Support Agriculture, Plan and Improve Aging Infrastructure, and Goal F: Protection and Restoration of Water Quality.

The Animas Consolidated Ditch Company has taken the brunt of the sediment from burn scars from the 416 Fire, and has served to shield, hundreds of property owners and county roads in the area and Highway 550 from substantial amounts of sediment captured by the ditches. The requested funding will result in improvements that will restore irrigation deliveries while creating sustainable maintenance features, and continuing to afford the protections described above.

The completed Grant Application will be forwarded directly to you by the applicant. Please contact the applicant directly or me at 970-565-7562, mpreston@frontier.net, if you have questions or wish to discuss this application in more detail.

Sincerely,



Michael Preston

Southwest Basin Roundtable Chair

Last Update: July 31, 2018

Colorado Water Conservation Board
Water Supply Reserve Fund Grant Application

Instructions

All WSRF grant applications shall conform to the current [2016 WSRF Criteria and Guidelines](#).

To receive funding from the WSRF, a proposed water activity must be approved by a Roundtable(s) **AND** the Colorado Water Conservation Board (CWCB). The process for Roundtable consideration and recommendation is outlined in the 2016 WSRF Criteria and Guidelines. The CWCB meets bimonthly according to the schedule on page 2 of this application.

If you have questions, please contact the current CWCB staff Roundtable liaison:

Arkansas Ben Wade ben.wade@state.co.us 303-866-3441 x3238	Gunnison North Platte South Platte Yampa/White Craig Godbout craig.godbout@state.co.us 303-866-3441 x3210	Colorado Metro Rio Grande Southwest Megan Holcomb megan.holcomb@state.co.us 303-866-3441 x3222
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WSRF Submittal Checklist (Required)
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X	I acknowledge this request was recommended for CWCB approval by the sponsoring roundtable.
X	I acknowledge I have read and understand the 2016 WSRF Criteria and Guidelines .
X	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . ⁽¹⁾
Application Documents	
X	Exhibit A: Statement of Work ⁽²⁾ (<i>Word – see Template</i>)
X	Exhibit B: Budget & Schedule ⁽²⁾ (<i>Excel Spreadsheet – see Template</i>)
X	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾
X	Map ⁽²⁾
X	Photos/Drawings/Reports
X	Letters of Support
Contracting Documents⁽³⁾	
	Detailed/Itemized Budget ⁽³⁾ (<i>Excel Spreadsheet – see Template</i>)
X	Certificate of Insurance ⁽⁴⁾ (<i>General, Auto, & Workers' Comp.</i>)
X	Certificate of Good Standing ⁽⁴⁾
X	W-9 Form ⁽⁴⁾
	Independent Contractor Form ⁽⁴⁾ (<i>If applicant is individual, not company/organization</i>)
	Electronic Funds Transfer (ETF) Form ⁽⁴⁾

(1) Click "Grant Agreements". For reference only/do not fill out or submit/required for contracting

(2) Required with application if applicable.

(3) Additional documentation providing a Detailed/Itemized Budget maybe required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

(4) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

Last Update: July 31, 2018

Schedule		
CWCB Meeting	Application Submittal Dates	Type of Request
January	December 1	Basin Account; BIP
March	February 1	Basin/Statewide Account; BIP
May	April 1	Basin Account; BIP
July	June 1	Basin Account; BIP
September	August 1	Basin/Statewide Account; BIP
November	October 1	Basin Account/BIP

Desired Timeline	
Desired CWCB Hearing Month:	March 2019
Desired Notice to Proceed Date:	March 2019

Water Activity Summary		
Name of Applicant	Animas Consolidated Ditch Company	
Name of Water Activity	Water Supply/Watershed Restoration	
Approving Roundtable(s)	Basin Account Request(s) ⁽¹⁾	
Southwest Basin Roundtable	\$25,000	
Basin Account Request Subtotal	\$ 25,000 – Approved 1/9/2019	
Statewide Account Request ⁽¹⁾	\$125,000	
Total WSRF Funds Requested (Basin & Statewide)	\$150,000	
Total Project Costs	\$300,000	

(1) Please indicate the amount recommended for approval by the Roundtable(s)

Last Update: July 31, 2018

Grantee and Applicant Information	
Name of Grantee(s)	Animas Consolidated Ditch Compny
Mailing Address	PO Box 3777, Durango, CO 81302
FEIN	84-0450183
Grantee's Organization Contact ⁽¹⁾	Ed Zink
Position/Title	Secretary/Treasurer
Email	edzink@waterfallranch.com
Phone	970-749-4621
Grant Management Contact ⁽²⁾	Jill Dillon
Position/Title	Office Manager
Email	jill@animasconsolidatedditch.com
Phone	505-946-8482
Name of Applicant (if different than grantee)	N/A
Mailing Address	
Position/Title	
Email	
Phone	

(1) Person with signatory authority

(2) Person responsible for creating reimbursement invoices (Invoice for Services) and corresponding with CWCB staff.

Description of Grantee
Provide a brief description of the grantee's organization (100 words or less).
<p>The Animas Consolidated Ditch Company owns and operates Animas Consolidated Ditch, which serves the west side of the Animas River Valley between Baker's Bridge and Durango. This mutual ditch company was formed in 1894, consolidating several ditches in the area into one. The ACDC has rights to nearly 91 cubic feet per second with 16 shares per cfs. The 12-mile ditch provides irrigation and other water uses on roughly 3,000 acres. The 311 members provide consistent and adequate funding for the normal operation of the ditch. The grantee represents four other ditches along with themselves in this collaborative mitigation process.</p>



Last Update: July 31, 2018

Type of Eligible Entity (check one)	
	Public (Government): municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
	Public (Districts): authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises
X	Private Incorporated: mutual ditch companies, homeowners associations, corporations
	Private Individuals, Partnerships, and Sole Proprietors: are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
	Non-governmental organizations: broadly, any organization that is not part of the government
	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes

Type of Water Activity (check one)	
	Study
X	Implementation

Category of Water Activity (check all that apply)		
	Nonconsumptive (Environmental)	
	Nonconsumptive (Recreational)	
X	Agricultural	
	Municipal/Industrial	
	Needs Assessment	
	Education & Outreach	
	Other	Explain:

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Counties	La Plata
Latitude	37.44416
Longitude	-107.80388

Last Update: July 31, 2018

Water Activity Overview

Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, area of habitat improvements. If this project addresses multiple purposes or spans multiple basins, please explain. The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, and Schedule.

The 416 fire in 2018 devastated 54,000 acres with costs and property losses estimated at \$50 to \$60 million. Due to the severity of the fire, there are several miles of burn scars along the west sides of the Animas and Hermosa Valleys. The ACDC has been significantly affected by the resulting erosion from the fire, which comes with significant costs and risks to properties and residents located along the ditches. A collaborative effort among multiple ditches is proposed to mitigate some of these impacts. We estimated in 2018, the ACDC was impacted by over 50,000 cubic yards of silt and debris. About 30,000 cubic yards have been removed to date, leaving another 20,000 cubic yards still in the ditches with more expected several years into the future. Without intervention, the ACDC potentially would have to clean out almost the full length of the ditches every time it rains over the next five or ten years. We believe that the cost of installing new structures to manage future debris will ultimately be less than just cleaning the ditches after each debris flow.

The following proactive approach is proposed:

1. **Remove** debris and repair ditches from the impacts of flash floods in 2018 through 2023;
2. **Manage** and reduce the impact of future debris flows by installing twelve projects to improve ditch design so future debris flows can be addressed more economically; and
3. **Prevent** silt and debris flows by rehabilitating the burn scar in cooperation with La Plata County, Colorado Department of Transportation, the U.S. Forest Service, Natural Resource Conservation Service, and other programs.

Measurable Results

To catalog measurable results achieved with WSRF funds please provide any of the following values.

	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
	Length of Stream Restored or Protected (linear feet)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
Improving approx. 8 miles	Length of Pipe/Canal Built or Improved	
	Other	Explain:

Water Activity Justification

Last Update: July 31, 2018

Measurable Results

Provide a description of how this water activity supports the goals of [Colorado's Water Plan](#), the most recent [Statewide Water Supply Initiative](#), and the respective [Roundtable Basin Implementation Plan and Education Action Plan](#) ⁽¹⁾. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).

For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in [2016 WSRF Criteria and Guidelines](#)).

The proposed projects address and contribute to the Goals and Measurable Outcomes identified in the Southwest Basin Implementation Plan including:

1. **“Goal A2:** Support specific and unique new IPPs to maintaining the quality of life in this region...” while specifically addressing the measurable outcome that water supply systems identify strategies to mitigate impacts that occur in a post-fire environment.
2. **“Goal A5:** Maintain watershed health by protecting and/or restoring watersheds that could affect critical infrastructure...”
3. **“Goal B2:** Implement efficiency measures to maximize beneficial use and production...” while specifically addressing the measurable outcomes of implementing projects that help preserve agriculture and encourage efficiency improvements.
4. **“Goal F1:** Monitor, protect and improve water quality for all classified uses.”

The proposed project supports goals and critical actions identified in the Colorado Water Plan, including:

1. **“Goal D Agriculture:** Support Colorado’s agricultural industry to make it more efficient, resilient...without impacting agricultural productivity.” Critical actions addressed are encouraging ditch-wide planning to explore efficiency opportunities and improve aging infrastructure.
2. **“Goal F Watershed Health, Environment and Recreation:** protection and restoration of water quality...for Colorado’s current and future consumptive, recreational, and environmental water needs.”



Last Update: July 31, 2018

Matching Requirements: Basin Account Requests

Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3rd party and shall be accompanied by a **letter of commitment** as described in the 2016 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.

Contributing Entity	Amount and Form of Match (note cash or in-kind)
Animas Consolidated Ditch Company and other ditches (cash)	\$ 45,000
Animas Consolidated Ditch Company and other ditches (in-kind)	\$ 30,000
Southwestern Water Conservation District (grant)	\$ 75,000 – approved 2/12/2019
Total Match	\$150,000
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

Matching Requirements: Statewide Account Requests

Statewide Account grant requests require a 50% match as described in the 2016 WSRF Criteria and Guidelines. A minimum of 10% match shall be from Basin Account funds (cash only). A minimum of 10% match shall be provided by the applicant or 3rd party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3rd party) and shall be accompanied by a **letter of commitment**. Attach additional sheet if necessary.

Contributing Entity	Amount and Form of Match (note cash or in-kind):
Animas Consolidated Ditch Company and other ditches (cash)	\$ 45,000
Animas Consolidated Ditch Company and other ditches (in-kind)	\$ 30,000
Southwestern Water Conservation District (grant)**	\$ 75,000 -- approved 2/12/2019
Southwestern Basin Roundtable (grant)	\$ 25,000 -- Approved 1/9/2019
Total Match	\$175,000
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	

Last Update: July 31, 2018

Related Studies

Please provide a list of any related studies, including if the water activity is complimentary to or assists in the implementation of other CWCB programs.

La Plata County is currently pursuing a Watershed Restoration Program grant with matching funds to assist with flow and debris flow mitigation and recovery in the 416 Fire burn scar. No other CWCB programs or grants are known at this time that are addressing the 416 Fire.

Many activities are occurring to address the impacts of the 416 Fire by local, state and federal agencies. Locally, the San Juan Basin Public Health Department, with support from the Colorado Department of Public Health and Environment, is conducting a monitoring study on the effects of the silt runoff on water quality in the Animas Valley. La Plata County is hosting outreach and education meetings while developing a plan with other partners that will invest approximately \$5,000,000 into mitigating post-fire impacts. The group working on the plan is known as the Emergency Watershed Protection Program.

Previous CWCB Grants

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order

- 1) ACDC
- 2) ACDC 48-inch Culvert Replacement Project
- 3) Southwest Basin Roundtable
- 4) July 20, 2016
- 5) Notice to Proceed POGGI 2017-491

- 1) ACDC
- 2) Animas River Diversion Headgate Monitoring Study
- 3) Southwest Basin Roundtable
- 4) March 19, 2013
- 5) PO# OE PDA 131BC000023

Tax Payer Bill of Rights

The Tax Payer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect the applicant.

Not applicable.

Colorado Water Conservation Board	
Water Supply Reserve Fund	
Exhibit A - Statement of Work	
Date:	January 2, 2019
Water Activity Name:	Animas Consolidated Ditch 416 Fire Mitigation
Grant Recipient:	Animas Consolidated Ditch Company (ACDC)
Funding Source:	Southwest Basin Roundtable WSRF and State Funds
Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for.	
<p>The 416 fire in 2018 devastated 54,000 acres with costs and property losses estimated at \$50 to \$60 million. Due to the severity of the fire, there are several miles of burn scars along the west sides of the urbanized Animas and Hermosa Valleys. The ACDC has been significantly affected by the resulting erosion from the fire, which comes with significant costs and risks to properties and residents located along the ditches. A collaborative effort among multiple ditches is proposed to mitigate some of these impacts. We estimated in 2018, ACDC was impacted by over 50,000 cubic yards of silt and debris. About 30,000 cubic yards have been removed to date, leaving another 20,000 cubic yards still in the ditches with more expected several years into the future. Without intervention, the ACDC potentially would have to clean out almost the full length of the ditches every time it rains over the next five or ten years. We believe that the cost of installing new structures to manage future debris will ultimately be less than just cleaning the ditches after each debris flow.</p>	
Objectives: (List the objectives of the project)	
<p>The following proactive approach is proposed:</p> <ol style="list-style-type: none"> 1. Remove debris and repair ditches from the impacts of flash floods in 2018 through 2023; 2. Manage and reduce the impact of future debris flows by installing twelve projects to improve ditch design so future debris flows can be addressed more economically; and 3. Prevent silt and debris flows by rehabilitating the burn scar in cooperation with La Plata County, Colorado Department of Transportation, the U.S. Forest Service, Natural Resource Conservation Service, and other programs. 	

Tasks
Provide a detailed description of each task using the following format:
Task 1 – Ditch Cleaning

Tasks
<p>Description of Task:</p> <p>Ditch cleaning to remove debris and repair ditches from flash flood damage that occurred in 2018 fter the 416 fire.</p>
<p>Method/Procedure:</p> <p>Ditch cleaning will be accomplished with a combination of hiring suitable personnel and equipment, and in-kind activities of Board Members and shareholders.</p>
<p>Grantee Deliverable: (Describe the deliverable the grantee expects from this task)</p> <p>Cleaner water flowing without obstructions in the ditch. The cleaning will also prepare the selected sites in Tasks 3 and 4 for installation of new structures.</p>
<p>CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)</p> <p>Documentation from contractors and an updated cash and in-kind report.</p>

Tasks
Provide a detailed description of each task using the following format:
<u>Task 2 - Engineering and Design</u>
Description of Task:
Engineering/Design for installation of new structures to be built as described in Phases 3 and 4 below.
Method/Procedure:
Engage a water engineer to design the structures to be installed along the Animas Consolidated Ditch.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Detailed plans for installation that take into account the unique geology and the proximity of homes in the area.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Copies of the plans.

Tasks
Provide a detailed description of each task using the following format:
<u>Task 3 - Northern Animas Consolidated Ditch 416 Fire Mitigation</u>
<p>Description of Task:</p> <p>ACDC will be installing a sluicing waste-way at the Animas Intake Diversion, to reduce the silt load coming out of the river and into the ditch. Next, ACDC will install a settlement pond and a sluicing waste-way at the James Ranch, where flood, mud and debris enter the ditch. Finally, in this phase ACDC will add a sluicing function to the existing waste-way at the Hermosa Syphon to reduce the amount of sediment traveling along the ditch.</p>
<p>Method/Procedure:</p> <p>Engage a concrete contractor to build and install the sluicing waste-ways and utilize contractors and ACDC Board members and shareholders to install the settlement ponds.</p>
<p>Grantee Deliverable: (Describe the deliverable the grantee expects from this task)</p> <p>Completed structures in the above locations.</p>
<p>CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)</p> <p>As-built report/documentation from the contractor(s).</p>
Tasks
Provide a detailed description of each task using the following format:
<u>Task 4 - Central Animas Consolidated Ditch 416 Fire Mitigation</u>

Tasks
<p>Description of Task:</p> <p>ACDC will repair and enlarge three settling ponds and be sluicing waste-ways to more efficiently remove settlement and debris from the ditch. The three sites are Trimble, Falls Creek and Spring Creek. These are the key locations where debris is flowing into the ditch. In addition, ACDC will engage an engineer to create plans for a gathering site at Tripp Creek to be installed in 2020. We understand that Hermosa Company Ditch has applied for a SWCD grant in 2019 to clean Tripp Creek. There is no overlap in these activities.</p>
<p>Method/Procedure:</p> <p>Engage a concrete contractor to build and install the sluicing waste-ways and utilize contractors, ACDC Board members and shareholders to install the settlement ponds.</p>
<p>Grantee Deliverable: (Describe the deliverable the grantee expects from this task)</p> <p>Completed structures in the above locations and plans for a gathering site at Tripp Creek.</p>
<p>CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)</p> <p>As built report/documentation from the contractor(s) and the engineering plan for Tripp Creek.</p>
Tasks
<p>Provide a detailed description of each task using the following format:</p>
<p><u>Task 5 - Install Monitoring Stations</u></p>
<p>Description of Task:</p>

Tasks
<p>Install five rain gauges, cameras and real-time communication devices along the length of the ditch at key locations. These would be open access information points that could be used by the County, CDOT, Durango Fire & Rescue and by residents of the area. These installations will allow for earlier detection of ditch flooding and water levels, protecting landowners and property. The precise number and locations will be determined in conjunction with the other safety and emergency agencies.</p>
<p>Method/Procedure:</p>
<p>Engage a communications contractor to install the monitoring stations at designated locations along the Animas Consolidated Ditch.</p>
<p>Grantee Deliverable: (Describe the deliverable the grantee expects from this task)</p>
<p>Completed installations at the key locations.</p>
<p>CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)</p>
<p>Final map of locations and a completion letter from the contractor.</p>
Tasks
<p>Provide a detailed description of each task using the following format:</p>
<p><u>Task 6 - Install Gathering Site for Debris at Tripp Creek</u></p>
<p>Description of Task:</p>

Tasks
In this phase, ACDC will install a gathering site for debris at Tripp Creek utilizing the engineering design created in 2019.
Method/Procedure:
Utilize contractors and ACDC Board members and shareholders to install the recommended infrastructure.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Gathering site for debris installed at Tripp Creek.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
As-built report from the engineer or contractor.
Tasks
Provide a detailed description of each task using the following format:
<u>Task 7 - Annual Ditch Cleaning</u>
Description of Task:

Tasks

Clean the length of the ditch annually for each of the next four years after the installations have been completed.

Method/Procedure:

Ditch cleaning will be accomplished with a combination of hiring contractors and equipment, and in-kind activities of Board Members and shareholders.

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

Ditch cleaning completed.

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

Completion letter from contractors and/or letter from ACDC.

**COLORADO**Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board**Water Supply Reserve Fund****EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs****Date: January 2, 2019****Water Activity Name: Animas Consolidated Ditch 416 Fire Mitigation Plan****Grantee Name: Animas Consolidated Ditch Company**

Task No. ⁽¹⁾	Description	Start Date ⁽²⁾	End Date	Matching Funds (cash & in-kind) ⁽³⁾	WSRF Funds (Basin & Statewide combined) ⁽³⁾	Total
1	Ditch clean up in excess of normal	1/15/2019	2/28/2019	\$12,500	\$12,500	\$25,000
2	Engineering and Design	3/15/2019	4/15/2019	\$12,500	\$12,500	\$25,000
3	Northern Animas Ditch 416 Fire Mitigation	3/15/2019	4/1/2019	\$21,250	\$21,250	\$42,500
4	Central Animas Ditch 416 Fire Mitigation	4/1/2019	4/30/2019	\$50,000	\$50,000	\$100,000
5	Moitoring Stations Installation	4/30/2019	5/15/2019	\$12,500	\$12,500	\$25,000
6	Install gathering site for debris - Tripp Creek	3/15/2020	4/15/2020	\$25,000	\$25,000	\$50,000
7	Annual Ditch cleaning in excess of normal:					
	A. 2020	3/15/2020	4/15/2020	\$5,000	\$5,000	\$10,000
	B. 2021	3/15/2021	4/15/2021	\$5,000	\$5,000	\$10,000
	C. 2022	3/15/2022	4/15/2022	\$3,750	\$3,750	\$7,500
	D. 2023	3/15/2023	4/15/2023	\$2,500	\$2,500	\$5,000
Total				\$150,000	\$150,000	\$300,000

(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.

(2) Start Date for funding under \$100K - 45 Days from Board Approval; Start Date for funding over \$100K - 90 Days from Board Approval.

(3) Round values up to the nearest hundred dollars.

• Additional documentation providing a Detailed/Itemized Budget may be required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

• Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)

• NTP will not be accepted as a start date. Project activities may commence as soon as the grantee enters contract and receives formal signed State Agreement.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has been accepted, the final payment has been issued, the water activity and purchase order (PO) or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to the CWCB with 90 days of the expiration of the PO or contract may be denied consideration for future funding of any type from the CWCB.

• Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution

• Standard contracting procedures dictate that the Expiration Date of the contract shall be 5 years from the Effective Date.

ANIMAS CONSOLIDATED DITCH COMPANY

January 2, 2019

Mike Preston
Southwest Basin Roundtable
841 East Second Ave.
Durango, CO 81301

Re: WSRF Grant Application – Matching Letter of Commitment

Dear Mike,

The purpose of this letter is to confirm Animas Consolidated Ditch Company's commitment and ability to provide the requisite twenty-five percent match as specified in the Basin Account Requests section of the 2016 WSRF Criteria and Guidelines.

We have also applied for a grant from Southwestern Water Conservation District. These funds have yet to be committed at the time of this application, so no support letter exists. If funds are approved prior to the CWCB meeting, ACDC will inform our CWCB contact. If approved, the Southwestern Water Conservation District funds, together with the amount we have committed, above, will meet the fifty percent match requirements for Statewide Account Requests as described in the 2016 WSRF Criteria and Guidelines.

We are committed to working with all affected parties to mitigate the impacts of the 416 Fire as comprehensively and efficiently as possible.

Thank you for your consideration.

Sincerely,



Ed Zink, Secretary
Animas Consolidated Ditch Company
970-749-4621

edzink@waterfallranch.com

ANIMAS CONSOLIDATED DITCH COMPANY

January 2, 2019

Mike Preston
Southwest Basin Roundtable
841 East Second Ave.
Durango, CO 81301

Re: WSRF Grant Application – Cover Letter

Dear Mike,

As you know, the 416 Fire resulted in several miles of burn scars along the west sides of the urbanized Animas and Hermosa valleys. In a significant portion of the area, the Animas Consolidated Ditch is the first structure impacted by flash flooding. We have participated in numerous meetings with other impacted ditch companies, La Plata County, NRCS, CDOT and the Railroad to discuss future mitigation and planning efforts surrounding post-fire impacts.

The first floods occurred in July 2018 and we have every expectation that there will be more in 2019 and beyond. Because of the emergency nature of our application, we are requesting the WSRF to be flexible in its timeline, both in the authorization to begin the project almost immediately upon receiving approval, if granted, and in allowing us to consider cash and in-kind contributions that were made during and after the July 2018 flooding.

The Animas Consolidated Ditch Company is committed to this project to help achieve lasting recovery from the 416 Fire. Please give this project your favorable consideration. Please do not hesitate to contact me with any questions or to discuss the project in more detail.

Thank you for your consideration.

Sincerely,



Ed Zink, Secretary
Animas Consolidated Ditch Company
970-749-4621

edzink@waterfallranch.com

**Animas Consolidated Ditch Company
WSRF and SWBRT Grant Application**

Letters of Support

The following support letters are from other ditch companies and impacted shareholders.

To whom it may concern,

We are writing in support of the collective grant applications for mitigation of the adverse impacts of the 416 fire on our irrigation ditches.

As you know the 416 fire resulted in several miles of burn scars along the west sides of the Animas and Hermosa valleys. Collectively there are several agricultural ditches significantly affected by the resulting erosion from the fire. Together we represent nearly 20 miles of ditches, over 500 members, and at least 2000 residents within the 6000 acre irrigation area in the west Animas Valley. We are all working together to mitigate the impacts in the most comprehensive and efficient ways possible. As the longest and largest ditch, the Animas Consolidated Ditch Company has taken the lead in planning and coordinating a more comprehensive response to the impacts.

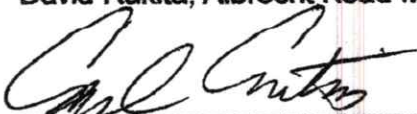
All the ditches are involved in this cooperative mitigation planning and implementation effort and are committed to its success not only for their members but all the hundreds of residents in the potential flood zone. We collectively understand that importance of doing the right things in the right places, regardless of whose ditch easement or diversion structure is being utilized. Our ultimate objectives are: continued delivery of water, increased safety of residents and improved protection of private and public facilities.

The John Thomas Ditch receives Hermosa Creek water downstream of the Animas Consolidated ditch crossing of the creek. We greatly benefit from the ACD when they have surplus water returned to Hermosa Creek. We support their efforts to have as clean a water as possible flowing in their system. The John Thomas serves the Albrecht Lane, Animosa and Red Rock Range subdivisions.

The Albrecht Lane subdivision leaders support this grant application.

 12/8/18

David Rakita, Albrecht Road Maintenance chair

 12/8/18

Carl Curtiss, JT ditch monitor for Albrecht Lane

To whom it may concern,

We are writing in support of the collective grant applications for mitigation of the adverse impacts of the 416 fire on our irrigation ditches.

As you know the 416 fire resulted in several miles of burn scars along the west sides of the Animas and Hermosa valleys. Collectively there are several agricultural ditches significantly affected by the resulting erosion from the fire. Together we represent nearly 20 miles of ditches, over 500 members, and at least 2000 residents within the 6000 acre irrigation area in the west Animas Valley. We are all working together to mitigate the impacts in the most comprehensive and efficient ways possible. As the longest and largest ditch, the Animas Consolidated Ditch Company has taken the lead in planning and coordinating a more comprehensive response to the impacts.

All the ditches are involved in this cooperative mitigation planning and implementation effort and are committed to its success not only for their members but all the hundreds of residents in the potential flood zone. We collectively understand that importance of doing the right things in the right places, regardless of whose ditch easement or diversion structure is being utilized. Our ultimate objectives are: continued delivery of water, increased safety of residents and improved protection of private and public facilities.

I own the Hermosa Mobile Home Village LLC, which includes 58 homes. We receive our irrigation water from the Hermosa Company Ditch.

My husband has worked a total of 10 hours from 11/6/18 - 11/10/18 cutting + removing trees and brush from the Tripp Creek, which runs along the south border of the trailer park, and has flooded into my park. For his labor and gas for his chain saw, he was paid \$230⁰⁰ on 11/14/18. We also purchased sandbags for a total of \$77.69 and placed them along the bank of Tripp Creek to stabilize the bank and hopefully prevent further flooding into the trailer park. I have 10 trailers that border Tripp Creek. He was paid \$20 for his time placing the bags. John Dillon also purchased sand bags for our use and helped place the bags along Tripp Creek. I have not received a bill ~~for~~ from him but I anticipate the total will be less than \$100. All of these expenses have been or will be paid out of the Hermosa Mobile Home Village LLC funds.

Dwight S Breed, manager
Hermosa Mobile Home Village, LLC
12/5/18

Subject: FW: 416 Fire irrigation ditch expenses

Date: Thursday, December 13, 2018 at 2:36:35 PM Mountain Standard Time

From: Jill Dillon

On Wed, Dec 12, 2018 at 9:48 AM Steve Owen <steve@dmidurango.com> wrote:

Hi Ed,

The Animosa Subdivision would like to support the Amimas Consolidated Ditch Company in their effort to secure grant money for the repair and maintenance of the ditch systems affected by the 416 fire.

In supporting the grant application we would expect that a portion of the funds would be earmarked for the specific needs of the Animosa Subdivision in cleaning up and managing the debris flow coming down the Tripp Creek drainage.

Hanson Lake in the Animosa Subdivision seems to be the natural collection point for the majority of the silt and debris that is washing down the irrigation ditch.

Since we have no way of mitigating the debris flow at this time, I propose setting aside money for an annual spring clean out of the ditch entrance area into the lake.

This would require an excavator and dump truck for removal of silt and debris.

I have listed below costs we have already incurred and a projection of future expenditures based on this years' experience.

2018 incurred expenses:

Len Geobel backhoe work.....	24 hr's @ \$100.00/hr	total \$2,400.00
Steve Owen backhoe work.....	7 hr's @ \$100.00/hr	<u>total \$700.00</u>
	Combined total	\$3,100.00

Projected annual expense:

Head gate & ditch clean out.....	\$1,500.00
Hanson Lake silt / debris removal.....	<u>\$2,500.00</u>
Total annual expense	\$4,000.00

Annual expenses over the next five years.....\$20,000.00

Please contact me with any questions or thoughts you might have.

Thank you for your efforts,

Steve Owen
Irrigation Ditch manager for Animosa Subdivision
500 Animosa Dr.
Durango, Co. 81301
Cell 970-799-0678

December 12, 2018

Re: 416 Fire Grant Application

To whom it may concern,

The Red Rock Ranch Homeowners Association (HOA) members are writing in support of the collective grant applications for mitigation of the adverse impacts of the 416 Fire on our irrigation ditches.

Our HOA receives all of its irrigation water from two sources each of which has been severely impacted by the fire. The first source is Animas Consolidated Ditch that flows water to us through the Tripp Ditch. Our other source of water is Hermosa Creek which is diverted to us via the John Thomas Ditch. Both ditches have been inundated with silt and debris following each rainstorm event following the 416 Fire. Tripp Ditch damage was caused by flows from the Tripp Creek burn area. Similarly, the John Thomas Ditch was damaged by rains in the Hermosa Creek burn area. After each rain, head-gates and culverts clogged and the ditch system shallowed due to silt deposition. Shallowing of the ditches impeded water flows and contributed to flooding of surrounding properties. A combination of expensive excavation equipment and manual digging was typically required to restore the flow of irrigation water. After water flows were restored it took days or weeks before water quality returned to normal. This process was more or less repeated with each significant rain event. In addition to these larger external ditches, Red Rock Ranch's 1.25 mile long internal subdivision ditch system was also impacted resulting in substantial ditch maintenance labor and expenditures which are summarized in the attached document.

Red Rock Ranch is one of the larger water users within the aforementioned ditch systems. As such, we have been very involved in working with Animas Consolidated Ditch Company, other water users, and property owners. We recognize the complexity of the situation and are very supportive of finding long term solutions for the difficulties we have encountered. We are particularly concerned that the magnitude of the problems experienced in 2018 could worsen appreciably in a year of normal or heavy rainfall. We very much appreciate Animas Consolidated Ditch Company taking the lead on this grant and look forward to achieving comprehensive solutions for the benefit of our community.



Chad Tidwell

Red Rock Ranch Homeowner Association President

Animas Consolidated Ditch Company
WSRF and SWBRT Grant Application

Photographs

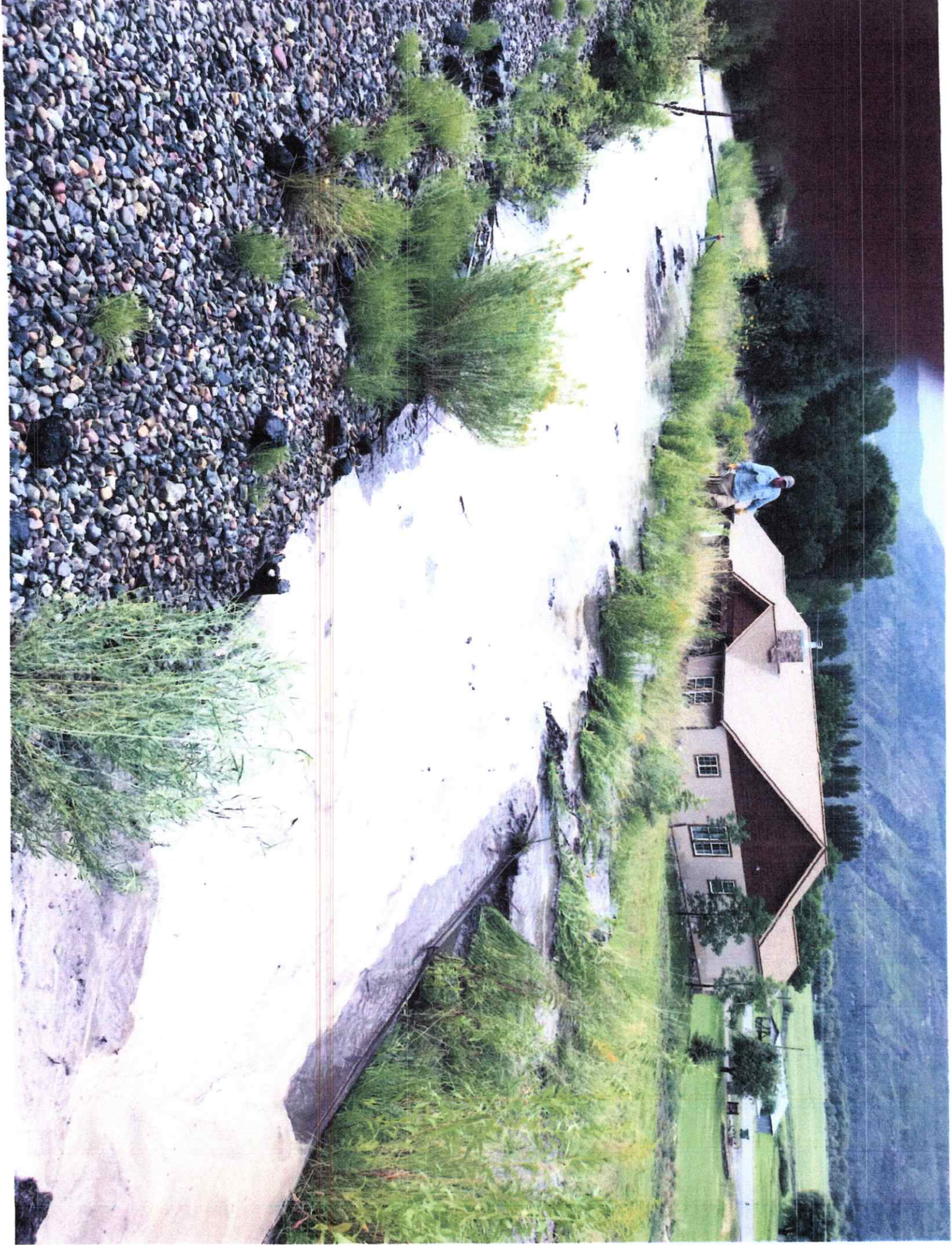
The following photographs show examples of the flooding and debris flows that occurred in the aftermath of the 416 fire, as well as some of the labor involved in cleaning the ditch.

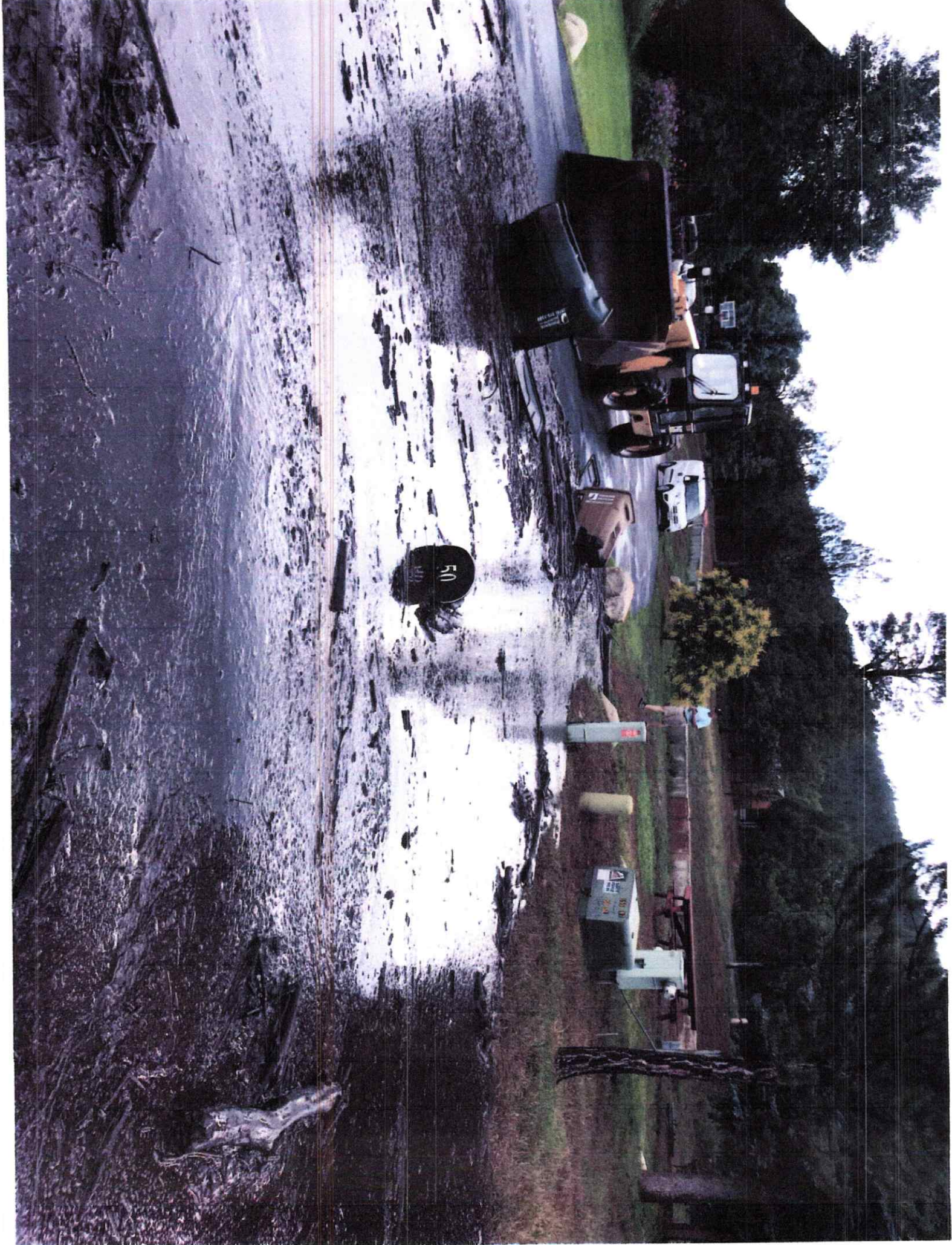


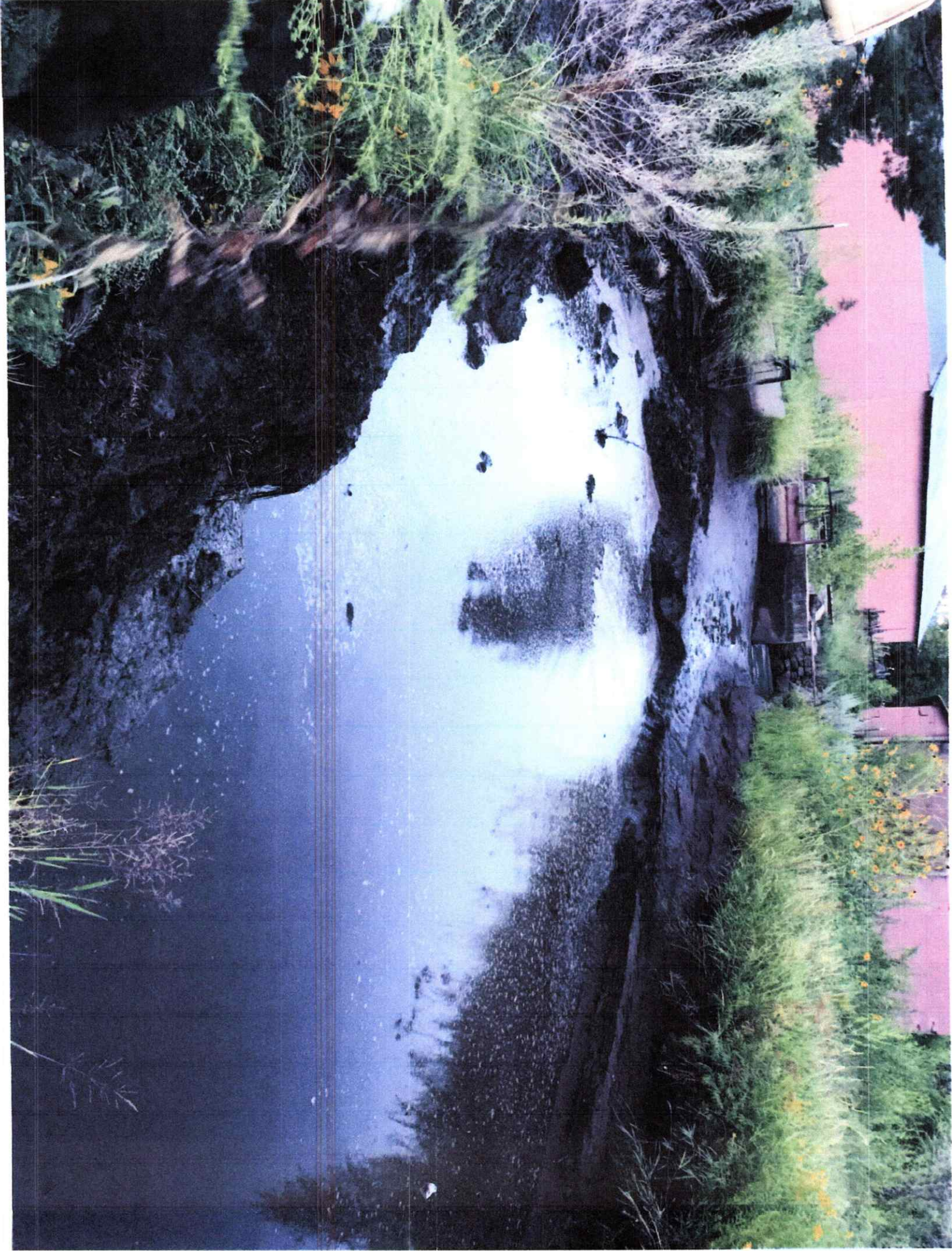


DO NOT
ENTER WHEN
FLOODED



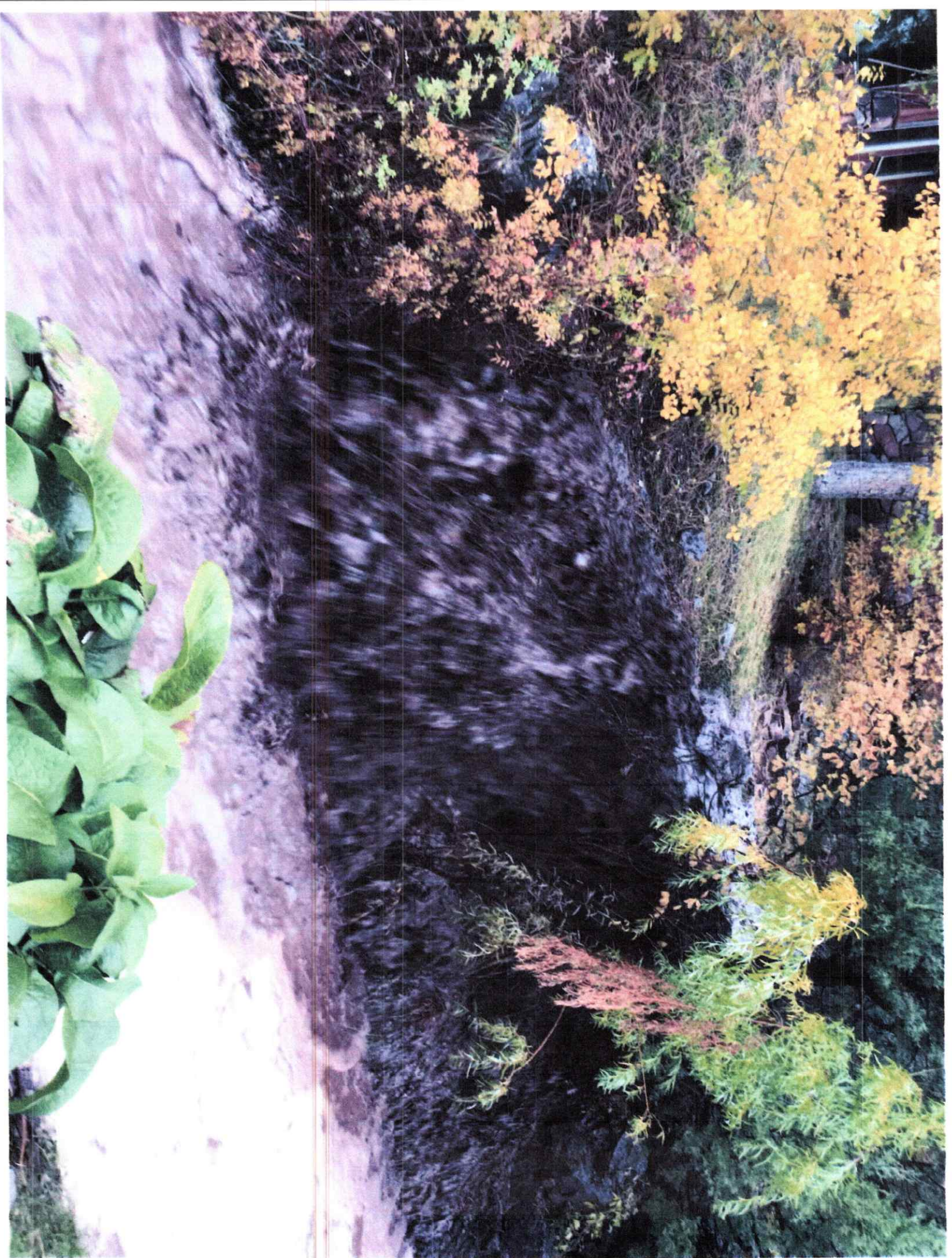










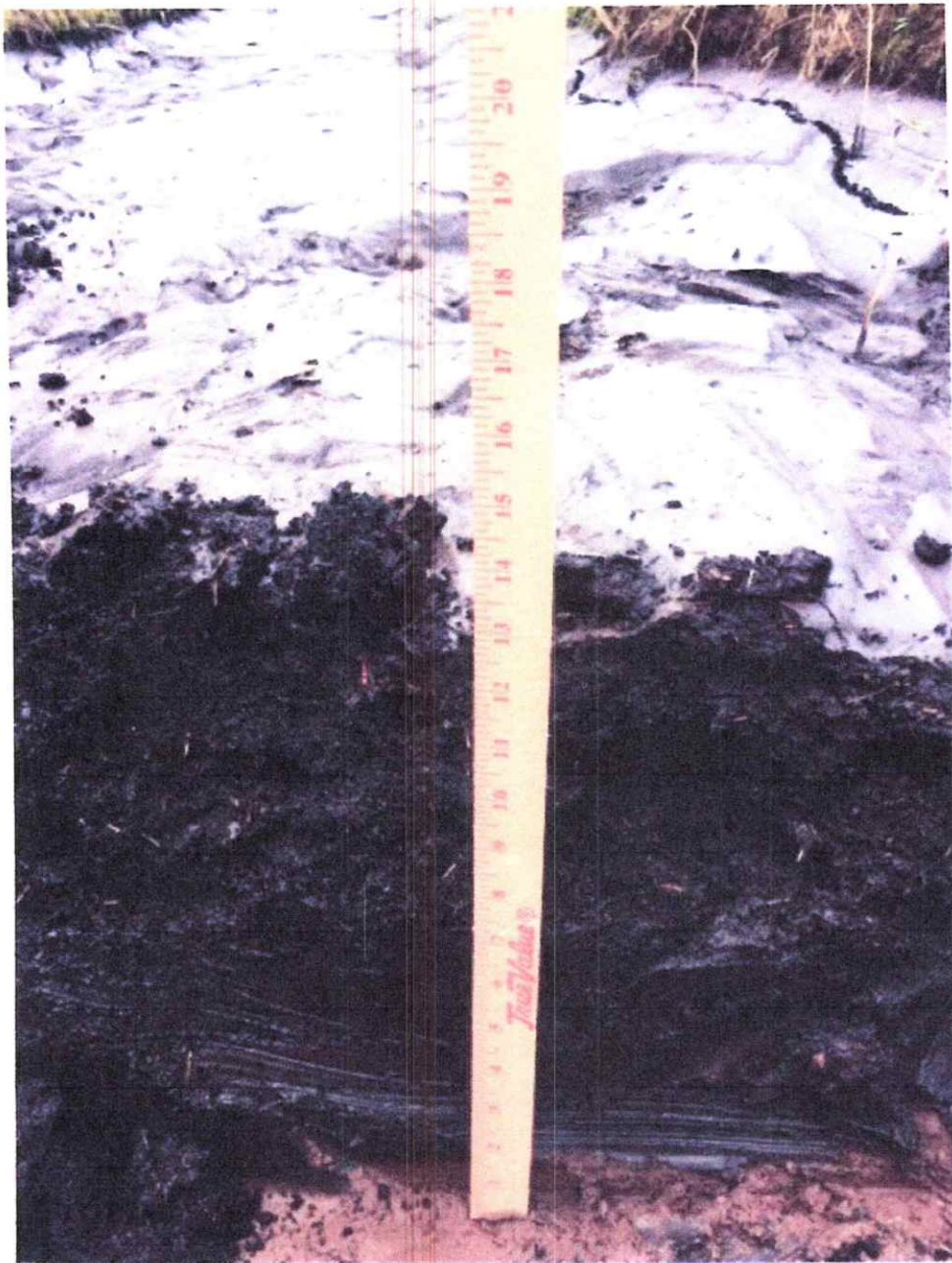


Subject: FW: Red Rock Ranch Internal Ditch Photos
Date: Saturday, December 29, 2018 at 7:04:27 AM Mountain Standard Time
From: Jill Dillon
Attachments: image001.jpg, image002.jpg

Central Red Rock Ranch HOA ditch after rain.



This is same ditch as above, but shows the 14 inch accumulation. This happened after the first one hour rainstorm in the Tripp Creek/Hermosa drainages. The brown dirt at the bottom shows the normal bottom of this ditch.



Subject: FW: Tripp Creek Culvert and Tripp Lateral at Railroad Track
Date: Thursday, December 27, 2018 at 11:54:23 AM Mountain Standard Time
From: Jill Dillon
Attachments: image001.jpg, image002.jpg

Typical flow from Tripp Creek into Tripp Lateral



Tripp Lateral overflowing railroad track culvert east of US 550.

