

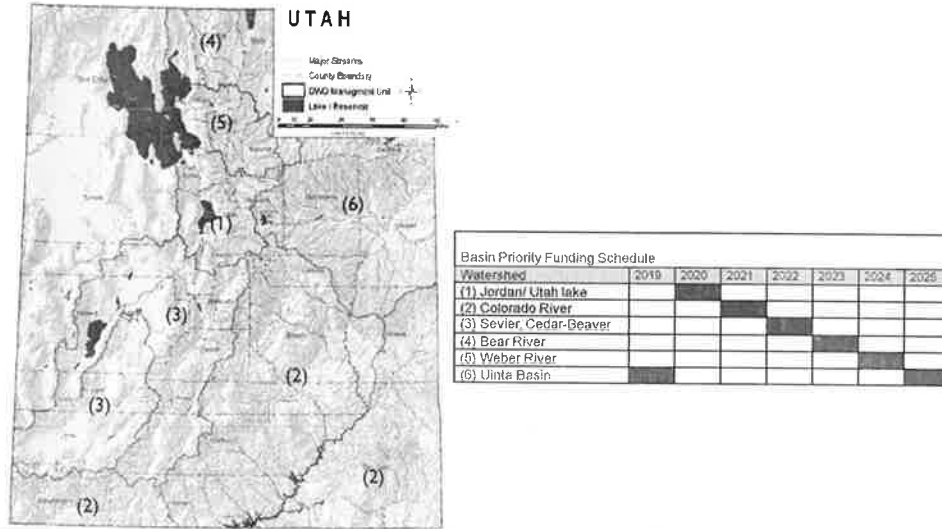
FY-2021 Nonpoint Source Grant Applications

Application Period

- February 1st, 2020: DWQ began accepting FY-2021 NPS Pre-proposals
- April 24th, 2020: Due Date for 319 and State NPS grant pre-proposals
- June 5th, 2020: Grant recipients will be announced
- July 1st, 2020: Full State NPS Proposals due and State NPS funding available for contracting
- August 1st, 2020: Full 319 proposals due
- Spring of 2021: Section 319 funding is available



Watershed Management Unit Funding Cycle



Grant Selection Process

- Grants were ranked internally using the ranking criteria that was approved by the Water Quality Task Force, and posted on our website.
- Funding recommendations were then presented to a working group of the Task Force for approval.
 - NRCS
 - UDAF
 - DNR
 - DWR

Changes for 2021 Applications

- Separate application for Project Implementation and I&E
- Updated ranking criteria
 - More points for being in targeted basin, implementing a watershed plan.
 - Eliminated some of the ranking questions that were redundant.
- Required detailed budget table for all projects



FY-2021 Applications

Application Locations

Applications	Number	Amount
Bear River	6	\$ 219,614
Beaver River	1	\$ 22,645
Colorado	4	\$ 1,314,290
Jordan River/Utah Lake	11	\$ 381,698
San Pitch	6	\$ 221,500
SE Colorado	7	\$ 471,160
Statewide	7	\$ 886,720
Uinta Basin	4	\$ 250,608
Upper Sevier	3	\$ 290,200
Weber River	8	\$ 461,676
Total	57	\$ 4,520,111

Project Types

Project Type	Number	Amount
AFO/CAFO	2	\$ 142,354
Easement	1	\$ 15,000
Fire Rehab	1	\$ 150,000
I&E	8	\$ 334,207
Irrigation	1	\$ 18,000
Monitoring	5	\$ 287,213
Nutrient Management	1	\$ 150,000
Onsite	2	\$ 69,000
Research	2	\$ 151,950
Small Farm	1	\$ 150,000
Soil Health	1	\$ 28,370
Stream Restoration	25	\$ 2,398,518
Technical Assistance	3	\$ 503,500
Upland	2	\$ 42,000
Watershed Planning	2	\$ 80,000
Total	57	\$ 4,520,111



FY-2021 Applications Funded

Project Location

Funded	Number	Amount
Bear River	2	\$ 33,870
Beaver River	1	\$ 22,645
Colorado	1	\$ 400,000
Jordan River/Utah Lake	5	\$ 116,908
San Pitch	3	\$ 59,500
SE Colorado	7	\$ 294,654
Statewide	7	\$ 807,614
Uinta Basin	3	\$ 100,608
Upper Sevier	2	\$ 170,000
Weber River	2	\$ 30,000
Total	33	\$ 2,035,799

Project Type

Project Type	Number	Amount
Easement	1	\$ 15,000
I&E	5	\$ 173,223
Irrigation	1	\$ 18,000
Monitoring	2	\$ 28,208
Nutrient Management	1	\$ 150,000
Onsite	2	\$ 64,894
Small Farm	1	\$ 75,000
Soil Health	1	\$ 28,370
Stream Restoration	15	\$ 939,604
Technical Assistance	3	\$ 503,500
Watershed Planning	1	\$ 40,000
Total	33	\$ 2,035,799



Projects Funded with Section 319

Project Title	Watershed	Sponsor	Project Type	Amount Requested	Funding Awarded
Local Watershed Coordinators	Statewide	Utah Division of Water Quality	Technical Assistance	\$ 450,000	\$ 450,000
Utah Water Watch	Statewide	Utah State University	IEE	\$ 73,720	\$ 73,720
Mud Creek Restoration	Colorado	Trout Unlimited	River Restoration	\$ 500,000	\$ 400,000
Park Creek Restoration	SE Colorado	How to Run Restoration	Stream Restoration	\$ 325,500	\$ 325,576
Grand County Dog Waste	SE Colorado	BLM	Dog Waste	\$ 11,887	\$ 11,503
Total				\$ 1,461,707	\$ 1,035,799

- Funding will be available Spring of 2021.
- Detailed SAP required for project.
- Will have 3 years to spend grant funding.
- Grant amount is contingent upon our award from EPA.



Projects Funded with State NPS

Project Title	Watershed	Sponsor	Project Type	Amount Requested	Funding Awarded
South East Watershed Coordinator	SE Colorado	South East Health Department	Technical Assistance	\$ 38,500	\$ 38,500
Voluntary Agricultural Incentive Program	Statewide	Utah Division of Water Quality	Nutrient Management	\$ 150,000	\$ 150,000
Onsite Waste Water Program	Statewide	DEQ/DWQ	Onsite	\$ 50,000	\$ 45,894
Upper Sevier RWQI Match	Upper Sevier	Upper Sevier Conservation District	Stream Restoration	\$ 175,000	\$ 150,000
BLM MUI Creek Restoration	SE Colorado	Grand Conservation District	watershed Restoration	\$ 33,075	\$ 33,075
Roche and Yellow Fork Creeks	Jordan River	Utah Division of Wildlife Resources	Stream Restoration	\$ 2,300	\$ 2,300
Bench Riparian Project Phase 2	San Pitch	San Pete Conservation District	Stream Restoration	\$ 5,500	\$ 5,500
West Mountain Water Project	San Pitch	San Pete Conservation District	Ingraffino	\$ 18,000	\$ 18,000
Walshburg Restoration	Provo River	Wasatch Conservation District	Stream Restoration	\$ 40,000	\$ 40,000
Otter Creek Riparian and Water Quality Restoration Proj	Upper Sevier	Utah State University	Stream Restoration	\$ 42,240	\$ 20,000
Wastewater Digital Database Development Phase II	SE Colorado	South East Health Department	Onsite	\$ 19,000	\$ 19,000
MST Monitoring	Jordan River	Salt Lake County	Monitoring	\$ 13,208	\$ 13,208
Project Repairs	San Pitch	San Pete Conservation District	Stream Restoration	\$ 36,000	\$ 36,000
Small Farm Water Quality Improvement Project	Statewide	Utah State University	Small Farm	\$ 150,000	\$ 75,000
Montezuma Creek Project Effectiveness Monitoring	SE Colorado	UDQ	Monitoring	\$ 39,598	\$ 15,000
Duchane River Restoration	Utaha Basin	Trout Unlimited	Stream Restoration	\$ 20,608	\$ 20,608
Chalk Creek Monitoring	Weber River	Summit Soil Conservation District	Technical Assistance	\$ 15,000	\$ 15,000
Upper Provo River Restoration	Provo River	Summit Conservation District	Stream Restoration	\$ 6,400	\$ 6,400
Southeast Utah Human Waste Initiative	SE Colorado	South East Health Department	IEE	\$ 200,000	\$ 75,000
Pot Creek Watershed Plan	Utaha Basin	Utah Conservation District	Watershed Planning	\$ 40,000	\$ 40,000
Beaver River Restoration Project	Beaver River	Trout Unlimited	Stream Restoration	\$ 22,645	\$ 22,645
Richins Estewent	Weber River	Summit Land Conservancy	Faunismint	\$ 15,000	\$ 15,000
Lower Jordan River Basin Watershed Restoration	Jordan River	Salt Lake County	Stream Restoration	\$ 30,000	\$ 30,000
ANWA Water Weas	Statewide	Intermountain Section ANWA	IEE	\$ 5,000	\$ 5,000
Picnic Lake	Utaha Basin	DWR	Stream Restoration	\$ 40,000	\$ 40,000
Kent Baker Riparian Project	Bear River	Black Smith Fork CD	Stream Restoration	\$ 5,500	\$ 5,500
Producer Website	Statewide	Utah State University	IEE	\$ 10,000	\$ 10,000
Russion Irrigation/Soil Health	Bear River	Private Landowner	Soil Health/Irrigation	\$ 28,170	\$ 28,170
Total				\$ 1,280,944	\$ 1,000,000

- Funding available July 1, 2020, or when the contract has been completed with DEQ.
- Will have 2 years to spend out funding.



Projects Not Funded

Project Title	Watershed	Partner	Project Type	Amount Requested	Funding Available
Parley's Canyon Restoration	Jordan River	DWR	Stream Restoration	\$ 22,140	\$ -
Helper City Pice River Restoration	Colorado River	Helper City	Stream Restoration	\$ 225,000	\$ -
Upper Escalante Riparian Restoration	Colorado River	U.S. Forest Service	Stream Restoration	\$ 41,240	\$ -
Dollar Ridge Emergency Watershed Protection	Utaha Basin	Duchessne County	Fire rehab	\$ 150,000	\$ -
North Creek Project Effectiveness Monitoring	Colorado River	U.S. Forest Service	Monitoring	\$ 47,550	\$ -
Parry Rangeland Project	San Pitch	San Pete Conservation District	Upland	\$ 26,000	\$ -
Big Bend Restoration Project	Jordan River	West Jordan	Monitoring	\$ 62,650	\$ -
Greenwell Riparian Project	San Pitch	San Pete Conservation District	Stream Restoration	\$ 120,000	\$ -
Sherat Range and Pasture Improvement	San Pitch	San Pete Conservation District	Upland	\$ 14,000	\$ -
Emigration Information Education	Jordan River	Emigration Canyon Metro Township	I&E	\$ 14,000	\$ -
Provo River Watershed Outreach and Education	Provo River	Wasatch County Planning Dept.	I&E	\$ 10,000	\$ -
Sun Ray Dairy	Bear River	Private Landowner	AFO/CFO	\$ 62,179	\$ -
Eschmelder Riparian and Creek Restoration	Weber River	Private Landowner	Stream Restoration	\$ 100,239	\$ -
Marger Dairy	Bear River	Private Landowner	AFO/CFO	\$ 80,175	\$ -
Cogden River-Marist Ditch Restoration	Weber River	Trust Unlimited	Stream Restoration	\$ 34,241	\$ -
Lower Weber River Restoration	Weber River	Cogden City	Monitoring	\$ 124,207	\$ -
Richins Property Riverbank Enhancement	Weber River	Private Landowner	Stream Restoration	\$ 75,000	\$ -
East Canyon Creek Watershed Water Conservation Outreach	Weber River	Ecology Bldge LLC	I&E	\$ 12,000	\$ -
Encouraging Livestock to avoid grazing woody riparian	Upper Sevier	Upper Sevier Conservation District	Research	\$ 62,560	\$ -
Nebo Creek Restoration	Utah Lake	Timp-Nebo Conservation District	Stream Restoration	\$ 66,000	\$ -
Linking NPS Work in Chalk Creek Watershed to MAAs	Weber River	Utah State University	Research	\$ 81,990	\$ -
Upper Bear River Restoration	Bear River	Bear Lake Regional Commission	Stream Restoration	\$ 22,915	\$ -
Reed Baldwin Stream Bank	Bear River	Private Landowner	Stream Restoration	\$ 20,475	\$ -
Emigration Creek Watershed Plan	Jordan River	Emigration Canyon Metro Township	Watershed Planning	\$ 40,000	\$ -
Total				\$ 2,026,480	\$ -

- Projects not funded will be kept and funded as additional funding comes available
- Some projects will be recommended for other funding sources (VIP Program, ARDL Interest Buy Down Program, etc.)



Division of Water Quality

QUESTIONS???





Helping improve water quality on small acreage

Presentation to the Water Quality Task Force

Hope Braithwaite
Assistant Professor for Watershed Quality



Road Map

- Background
- Statewide Water Quality Survey
- Don't Share Campaign
- Next Steps
- Questions and Discussion

Background - Growing Nonpoint Source Pollution Concerns

- **Small acreages in unconsolidated areas and small towns with animals and/or gardens or other horticultural activities**
- Pollution from improper treatment or removal of human waste left along trails and in recreational areas
- Pollution of shallow groundwater from improper management of septic systems
- Threats to small standing wetlands and riparian areas across the state





Road Map

- Background
- **Statewide Water Quality Survey**
- Don't Share Campaign
- Next Steps
- Questions and Discussion

Statewide Water Quality Survey

Purpose

Gather baseline data concerning core values, knowledge about the existing quality problems and possible actions to prevent these problems, the degree to which these actions are currently in use, and barriers to adopt these actions.

Survey Response

- 436 Total Responses
- Responses from all counties except for Piute
- Responses collected October – December, 2018



Road Map

- Background
- Statewide Water Quality Survey
- **Don't Share Campaign**
- Next Steps
- Questions and Discussion

Our Approach

Goal: Improve practices on small farms that protect water qua

- Catch people's attention
 - Social Media (Facebook and Instagram)
- Improve information resources
 - Website
 - Friendly
 - Readily accessible
 - Accurate info
 - Easy to understand and do



Resources – Facebook

The image shows a screenshot of a Facebook page for 'Small Farm Neighbor'. The page features a circular profile picture with a 'Don't Share' logo and the website 'DontShare.Utah.Gov'. The main content is a post with an illustration of a farm and a list of guidelines for being a good neighbor. The post has been liked and followed.

Don't Share.
DontShare.Utah.Gov

Small Farm Neighbor
@UtahDontShare

Home
About
Posts

Are you a good neighbor?
A good neighbor:

- ✓ Fences animals out of waterways
- ✓ Provides animals a watering facility
- ✓ Encourages natural vegetation along streambanks
- ✓ Stores manure away from water
- ✓ Gets soil tested before fertilizing
- ✓ Protects bees, birds and pets from dangerous pesticides/hazardous materials
- ✓ Uses water efficiently

DontShare.Utah.Gov

Liked Following Share ...

Learn More

Small Farm Neighbor Facebook page

Resources – Facebook

May 4 – June 1, 2020

Facebook:

- **62** Page likes
- **14** Posts
- **3,154** people reached across all posts
- **23** Reactions, comments, and shares on posts
- **511** Post clicks
- **38%** of website traffic referred from Facebook (source: Google Analytic)

Resources – Facebook

 **Small Farm Neighbor**
Published by Joshua Palmer [?] · May 11 at 6:41 PM · 🌐

You would never share your chewing gum or mother-in-law's Facebook post. You also shouldn't share weeds, pollution and disease. Check out the story about the Don't Share movement! <https://ksltv.com/437164/water-supply/>



KSLTV.COM
New Campaign Urges Utahns To Keep Water Supply Clean [Learn More](#)

2,988 People Reached 519 Engagements [Boost Again](#)

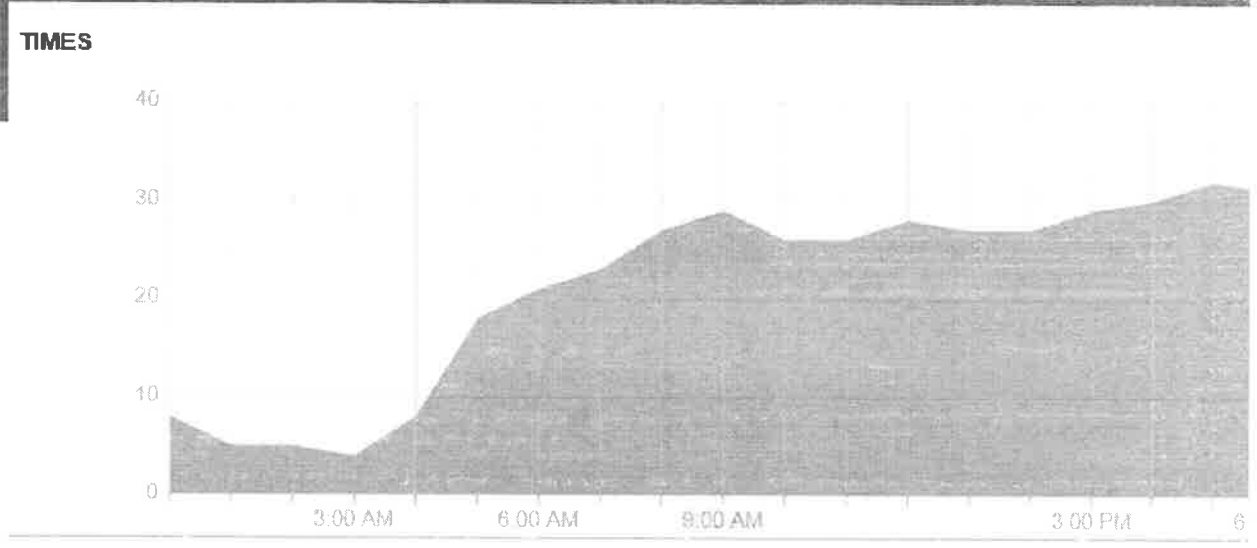
Shared link to KSL news about new campaign boosted the post

The KSL article drove 40% of the total traffic to Don't Share website this week (May 11 – 17)

Resources – Facebook

We are still learning about our audience. As our page grows, these numbers will change.

We will adjust our strategies as we learn.



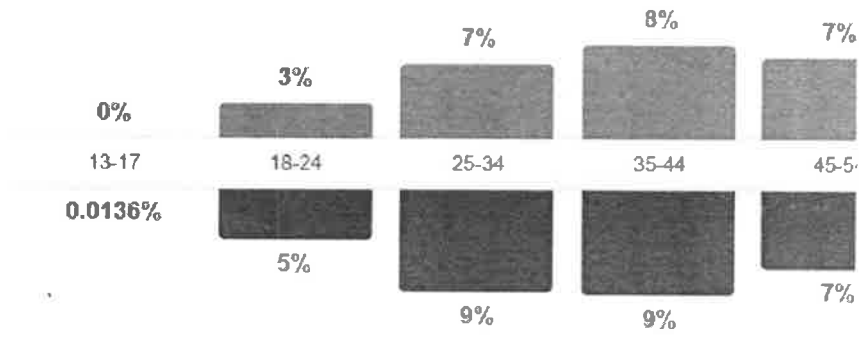
The number of people who had any content from your Page or about your Page enter the age and gender. This number is an estimate.

Women

51%
People Reached

Men

48%
People Reached



Resources – Instagram

Started Instagram account on May 21.
@UtahDontShare

- Working on posting content from Facebook over to Instagram
- Will share similar content on both platforms

#waterquality #goodneighbors #smallfarm #smallfarms
#utah #utahlife #utahfarm #utahfarmlife
#cleanwater #farming #farminglife

← utahdontshare



3
Posts Fe

Small Farm Neighbor

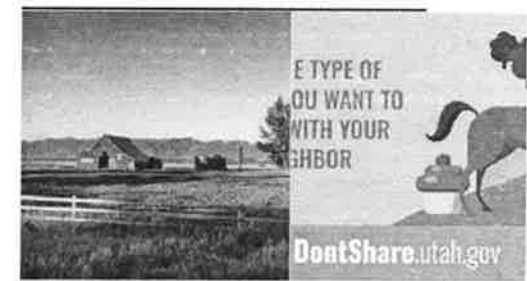
Not a Business

We offer water quality best small acreage farms in Uta your small farm or garden it protects Utah's water quality dontshare.utah.gov/

Followed by **utahwaterwatc** **usuextension** and **1 other**

Following ▾

Me



Resources – Website



TAKE ACTION!

ANIMAL ACTIONS

GREEN THUMB

RULES & RECS

SOIL MAP

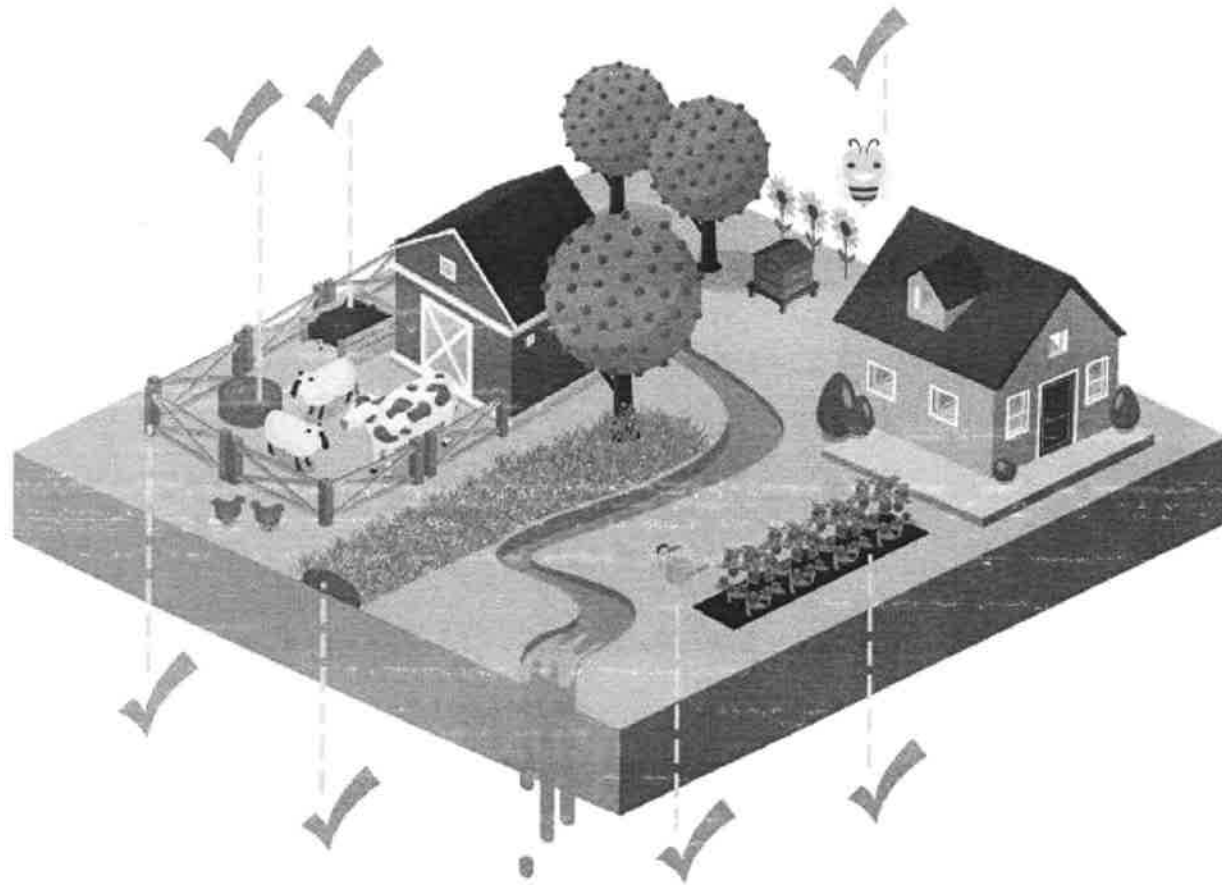
WATER QUALITY BEST PRACTICES FOR SMALL ACREAGE FARMS



Don't Share.

GOOD
NEIGHBORS
DON'T SHARE
POLLUTANTS,
WEEDS &
DISEASE.

DontShare.utah.gov



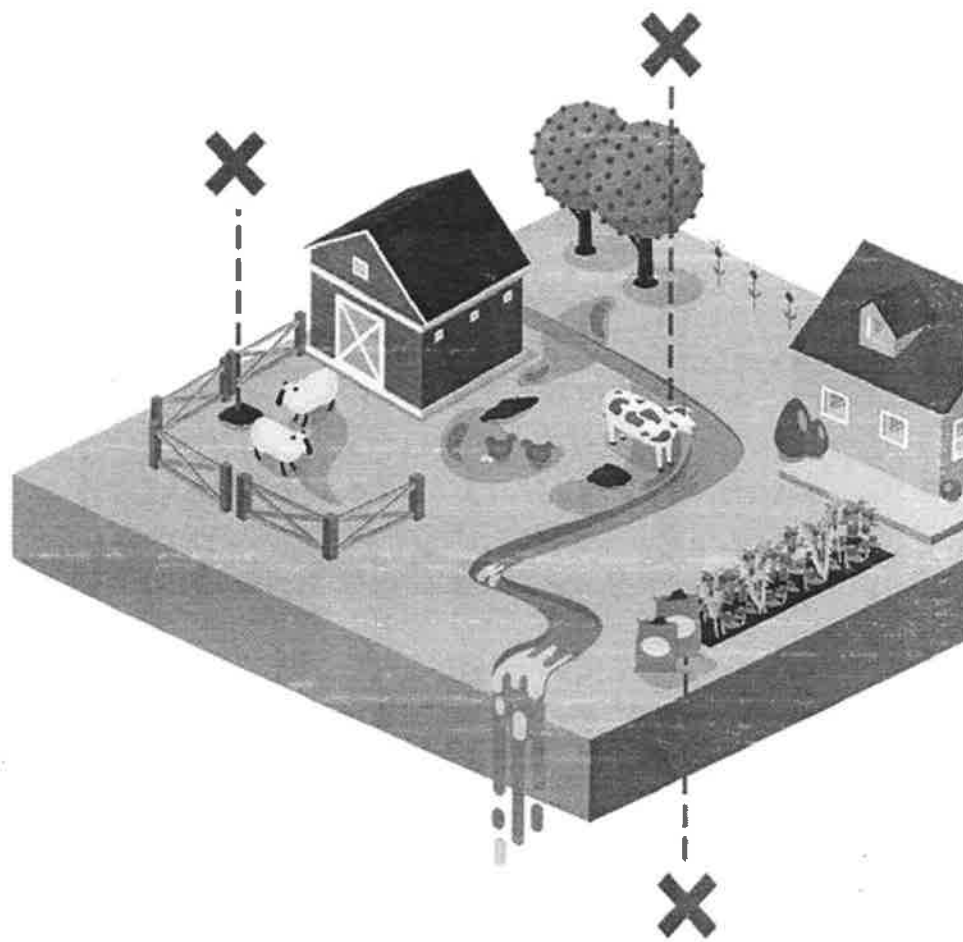
THE GOOD NEIGHBOR

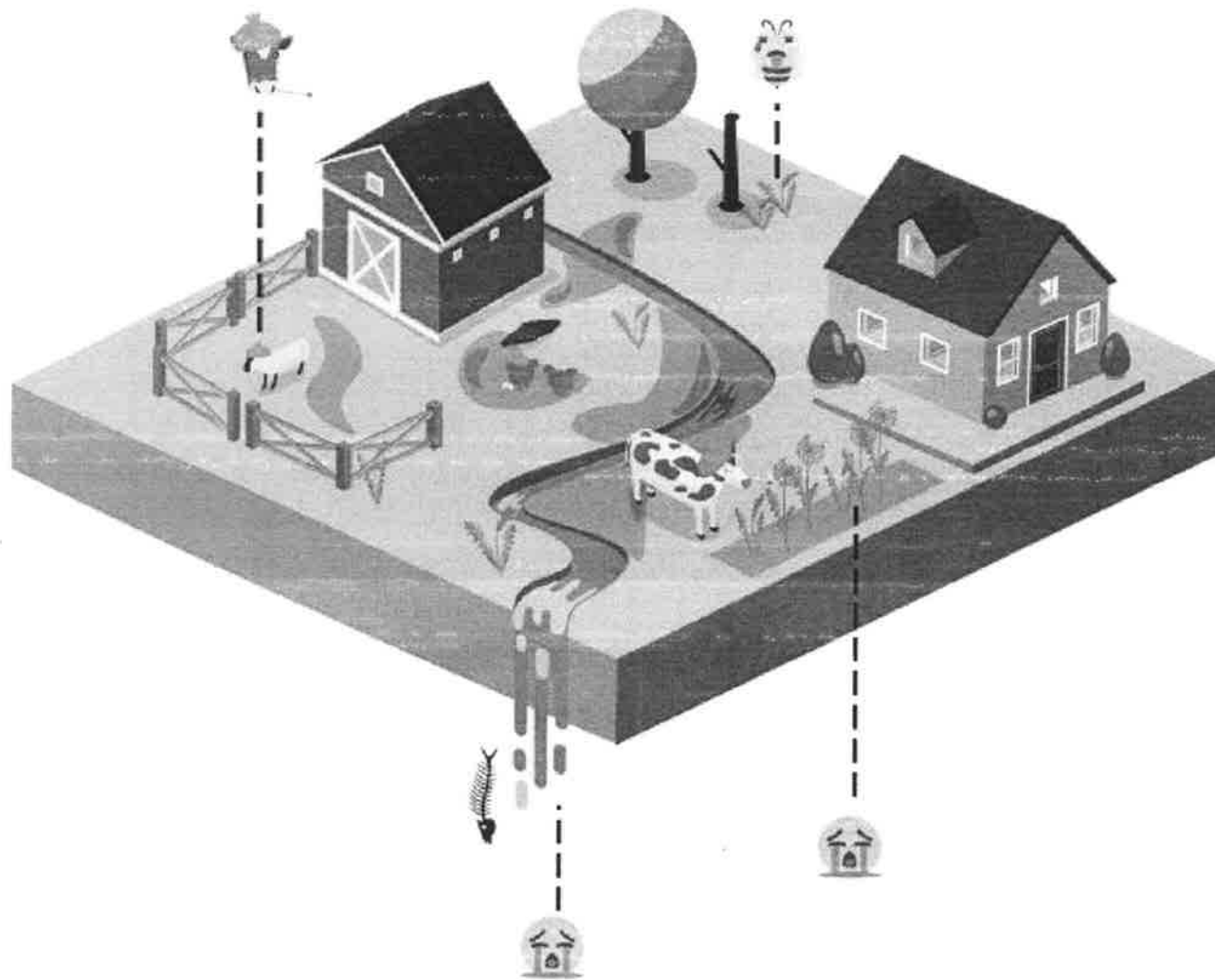
- ✓ Fences animals out of w
- ✓ Provides animals a water
- ✓ Encourages natural vege along streambanks
- ✓ Stores manure away from
- ✓ Gets soil tested before fo
- ✓ Protects bees, birds and dangerous pesticides & materials
- ✓ Uses water efficiently



THE PROBLEM NEIGHBOR...

- ✘ Lets animals drink & wander in waterways
- ✘ Removes natural vegetation from stream banks
- ✘ Lets manure stack up too close to water
- ✘ Over-fertilizes lawns, gardens & crops
- ✘ Lets **pesticides** & hazardous materials endanger bees, birds & pets
- ✘ Wastes water





THE SA NEIGHE

- Has a contaminated well
- Has sick animals
- Has excessive weeds
- Has poor pollination of plants
- Has less usable water available

ARE YOU A:



GOOD NEIGHBOR

or



PROBLEM NEIGHBOR

FIND OUT HERE



DO YOU HAVE A WELL ON YOUR PROPERTY?

> > More information on **Protecting Your Well**

HAVE YOU TESTED THE WATER QUALITY OF YOUR DRINKING WATER WELLS IN THE LAST

DO YOU HAVE ABANDONED WELLS ON YOUR PROPERTY?

DO YOU HAVE A WELL LESS THAN 50 FEET, A DUG OR DRIVEN WELL OR A WELL OLDER THAN 10 YEARS?

DO YOU HAVE POTENTIAL SOURCES OF CONTAMINATION UPHILL FROM YOUR WELL?

HAVE YOU CHECKED THE DIFFERENT COMPONENTS OF THE WELL?



DO YOU HAVE A SEPTIC SYSTEM ON YOUR PROPERTY?

> > More information **Septic Systems**

IS YOUR SEPTIC SYSTEM LESS THAN 100 FEET AWAY FROM YOUR WELL OR SURFACE WATER?

HAS IT BEEN LONGER THAN 3 YEARS SINCE YOU HAD YOUR SEPTIC TANK INSPECTED OR
CLEANED OUT?

DO YOU EVER POUR GREASE, OILS, HOUSEHOLD CHEMICALS OR ANY LEFTOVER MEDICINE
DOWN YOUR DRAIN?

DO YOU EVER SEE EVIDENCE OF STANDING OR 'SMELLY' WATER NEAR THE SEPTIC SYSTEM?



DO YOU HAVE A SEPTIC SYSTEM ON YOUR PROPERTY

> > More information **Septic Systems**

IS YOUR SEPTIC SYSTEM LESS THAN 100 FEET AWAY FROM YOUR WELL OR SURFACE WATER?

Utah's Administrative Code establishes minimum distances between your septic systems and your well. Although these are only mandated for new construction, they provide excellent guidance for all septic systems. (We recommend similar minimum distances to streams, wetlands and other surface water).

Distance from potential source of contamination

15 feet from sanitary or storm sewer

25 feet from sewer lines

50 feet from septic tanks

100 feet* from septic tank drainfields

** increase distance to 200 feet if your well is ungrouted.*

Learn more at the **'Risks to Your Water'** tab



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TAKE ACTION!

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RULES & REGS

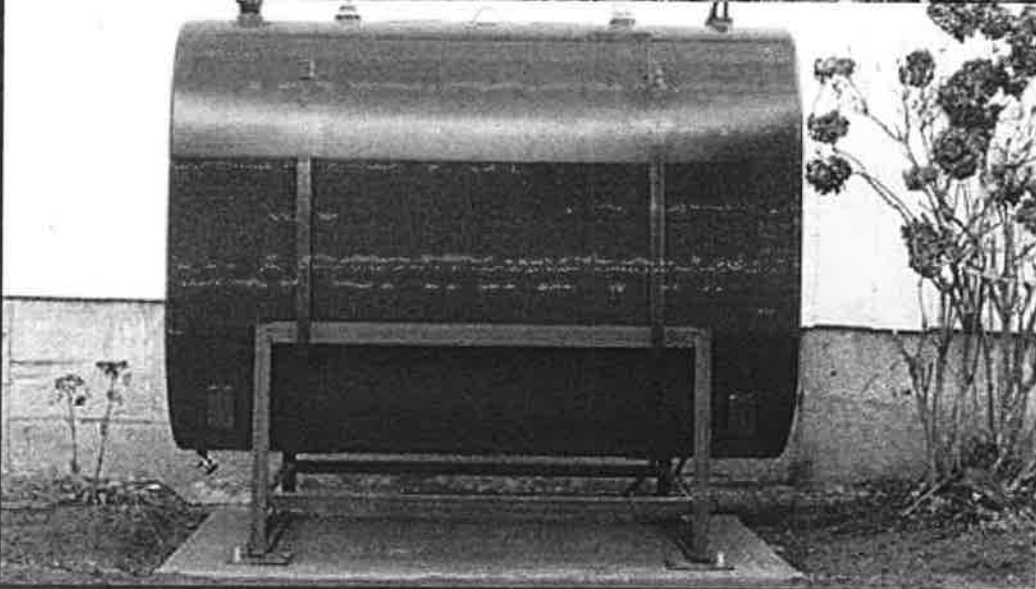
SOIL MAP



PROPER USE OF PESTICIDES

WHY SHOULD I BE CONCERNED?

The same chemicals that are useful in controlling garden and household pests can also contaminate our water, causing expensive and long term hazards to beneficial plants and animals and to humans. Protect your family and your acreage by using, storing or disposing of pesticides properly!



Take Action!

-
- Protect Your Well
 - Septic Systems
 - Fertilizers
 - Manure Management
 - Pesticides
 - Fuel Storage
 - Hazardous Materials

Proper storage, handling and application of fertilizers on farmsteads or acreages are essential to chemical contamination. Find out more about **storing, mixing, cleaning up after and managing** water resources.

STORING FERTILIZERS

MIXING & LOADING FERTILIZERS

SPILL CLEAN UP & DISPOSAL

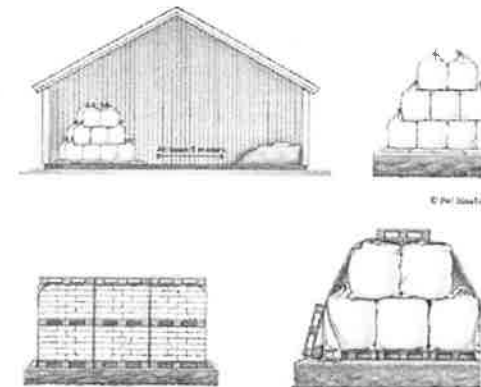
STORE FERTILIZERS PROPERLY TO PROTECT YOUR

STORAGE

Fertilizers are highly flammable and, in various exceptions, fertilizers pose a fire hazard. If contaminating ground or surface water, store fertilizers in a facility, well-marked, and well-ventilated location that is safe from children, livestock, and vandals. The best storage is in a covered area that provides secondary containment in case of spills. Secondary containment should include curbing around an impervious (water-tight) floor with no drains. At the very least, fertilizer should be stored on an impervious surface and protected from rain, snow or flooding.

When storing fertilizer into vehicles:

- Label and keep records on vehicle identification and tracking.
- Store fertilizers away from farms and water sources.
- Consider the potential for floods before storing fertilizers.



© Per Seals

© Per Seals

ADDITIONAL RESOURCES:

- Department of Environmental Quality, Division of Environmental Response and Remediation (DER) (801) 536-4123
- USU Analytical Laboratory
- USU Extension Ag Waste Management Certified Planners
- USU Extension Ag Waste Management Nutrient Management Plans



HOME TAKE ACTION ANIMAL ACTIVAS GREEN THING RULES 2 ROOT SOIL MAP CRYSTAL ASSISTANTS

PROPER USE OF FERTILIZERS

WHY SHOULD I BE CONCERNED?

Excessive application rates, spills in storage areas, and seemingly insignificant spills during mixing and loading can lead to fertilizer movement into surface or ground waters. If contamination reaches drinking water sources, entrance to the fertilizer can pose serious health risks especially for infants and young livestock. In addition to health concerns, leaks governing nutrients in surface water are being more strictly enforced than in the past. This is in part because fertilizer runoff into surface water can cause excess algae growth and result in fish kills.



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[RULES & REGS](#)

[SOIL MAP](#)



**ANIMAL
ACTIONS**

**TIPS FOR IMPROVING WATER
QUALITY ON SMALL
ACREAGES**



A GOOD NEIGHBOR

> LIMITS ANIMAL ACCESS TO WATERWAYS

- **Relocate animals** so that a stream or waterway does not go through your corral.
- **Install fences or berms** to keep animals away from waterways.
- Install **off-stream water sources** for animals.
- Keep animals a **minimum of 100 feet from wells** to protect your drinking water.



[CLICK HERE FOR MORE INFORMATION >>>](#)

> PROVIDES ANIMALS A WATER FACILITY

When livestock has access to streams, rivers, wetlands or ponds on your property, they can contaminate the water supply. Providing an offstream water supply is better for you, your animals and your neighbors. When given a choice, cattle will drink from a trough eight times out of ten. Adding a clean water source is beneficial for animal health. A watering facility is a device (tank, trough, or other watertight container) for providing animal access to water. A nuzzle pump provides clean, fresh water away from a stream using the animal's own power to pump the water.



[CLICK HERE FOR MORE INFORMATION >>>](#)



 **GREEN THUMB**

**TIPS FOR IMPROVING
WATER QUALITY ON SMALL
ACREAGES**



A GOOD NEIGHBOR

> CONTROLS RUNOFF & DIVERTS CLEAN WATER

- Reduce water contamination by decreasing the amount of clean water that enters areas where animals are kept.
- Construct berms, terraces, waterways or use downspouts to divert clean water away from corrals and **manure storage areas**.
- Ensure runoff from an animal corral or **manure storage area** will not enter a water body or leave the property.



> MANAGES IRRIGATION

- Increasing irrigation efficiency can reduce non-point source pollution of ground and surface waters.
- Drip or low flow irrigation will save water and money, as well as decrease runoff of contaminants into waterways.
- In addition to over-fertilization and runoff losses of nutrients, over-watering also flushes nutrients (e.g., nitrates) from the soil into the groundwater.
- For more information visit, **USU Extension's Small Farm Program**.



> FERTILIZES RIGHT

- Get a **soil test** before applying fertilizer to see what your soil needs.
- To prevent harmful contamination of your drinking sources, don't apply **fertilizer** close to waterways.
- Fertilizer with slow release nitrogen is better for the environment.
- Over fertilizing can increase weeds.



A large, circular stamp is embossed on a textured surface. The stamp features a central illustration of a fish swimming in water, with a wavy line representing the water's surface. The words "DON'T DRY" are visible on the left side of the stamp, and "EVER" is visible on the right side. The background of the stamp is a light, speckled color.

UTAH WATER LAWS & REGULATIONS

**KNOW THE LAWS ABOUT
CLEAN WATER ON YOUR
SMALL ACREAGE**

WATER POLLUTION

The Clean Water Act (CWA) (implemented in Utah by the Utah Division of Water Quality) differentiates 2 major categories of water pollution: **point source** and **nonpoint source pollution**. The laws and regulations concerning these two categories are quite different. See below for more information and contacts to help you identify best practices on your acreage to make sure you "don't share" these nonpoint source pollutants your downstream neighbors.

POINT SOURCE POLLUTION

Point source pollution comes through a pipe or other conduit from specific dischargers (such as from an industry, waste water treatment plants, and some dairies and animal feeding operations). Point source pollution cannot be discharged without a UPDES permit (**Utah Pollution Discharge Elimination System**).

[LEARN MORE >>](#)

ADDITIONAL RESOURCES

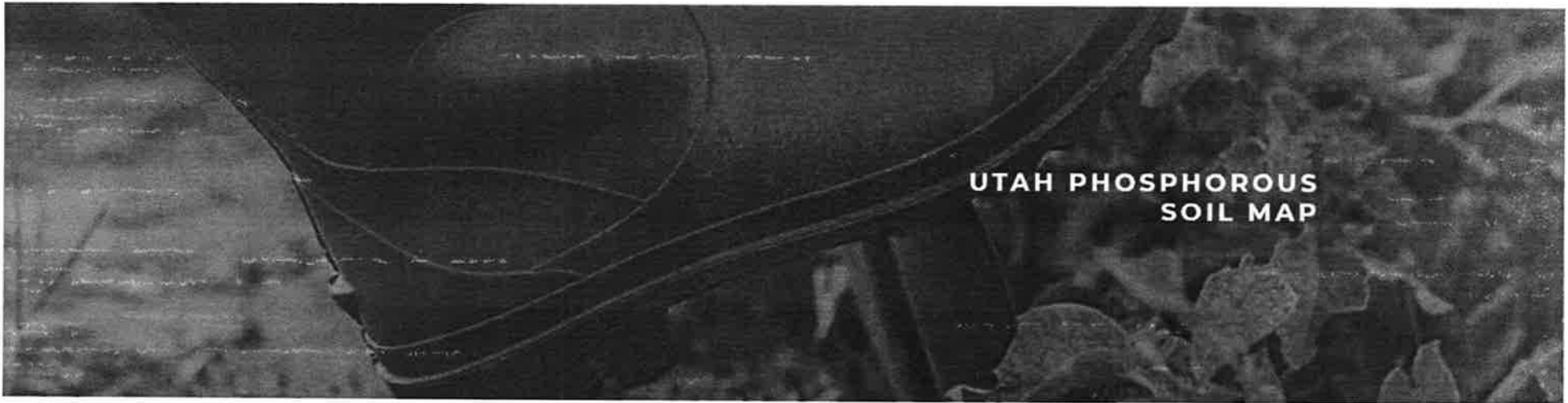
For more information on the UPDES permits, see **Utah Pollution Discharge Elimination System**

This permit and penalty system has been successful in reducing most point source discharges in the nation. In fact, most of the pollution problems today come from the other category of pollutants, called nonpoint source pollution.

NONPOINT SOURCE POLLUTION

Nonpoint source pollution (NPS) refers to any pollutants from diffuse sources, such as snow or rain runoff over land, precipitation, dust, or pollutants generated by a huge suite of different land uses. Permits are NOT required for nonpoint sources because there are so many possible contributors. Instead, the Clean Water Act promotes a "voluntary, incentive based" approach.





UTAH PHOSPHOROUS SOIL MAP



Over-fertilizing isn't good for crops or water quality. These maps represent soil samples taken throughout the state over the last several years. Notice that in many cases the phosphorus levels are many times the recommended level. Adding phosphorus to the soil when it already has enough or too much doesn't help your plants and hurts water quality. [Click here](#) for instructions on how to submit your own soil sample to make sure you get the balance just right. Your plants will thank you and so will Utah's water!

- FRUIT CROPS
- FIELD & VEGETABLE CROPS
- TURFGRASS & ORNAMENTAL

PHOSPHOROUS SOIL MAPS FOR FRUIT CROPS IN UTAH

Click on the map below to search by your zip code to find the phosphorous level in your area.



- If Used for Fruit Crops**
 Recommended Phosphorus: 15-100 ppm
- No Samples
 - Less than Recommended
 - Recommended Level
 - 2x Recommended Level
 - 3x Recommended Level
 - 4x Recommended Level
 - 5x Recommended Level
 - 10x Recommended Level
 - 20x Recommended Level
 - 25x Recommended Level



Resources – Website



[HOME](#) [TAKE ACTION!](#) [ANIMAL ACTIONS](#) [GREEN THUMB](#) [RULES & REGS](#) [SOIL MAP](#)

WATER QUALITY BEST PRACTICES FOR SMALL ACREAGE FARMS



Don't Share.

GOOD
NEIGHBORS
DON'T SHARE
POLLUTANTS,
WEEDS &
DISEASE.



Road Map

- Background
- Statewide Water Quality Survey
- Don't Share Campaign
- **Next Steps**
- Questions and Discussion

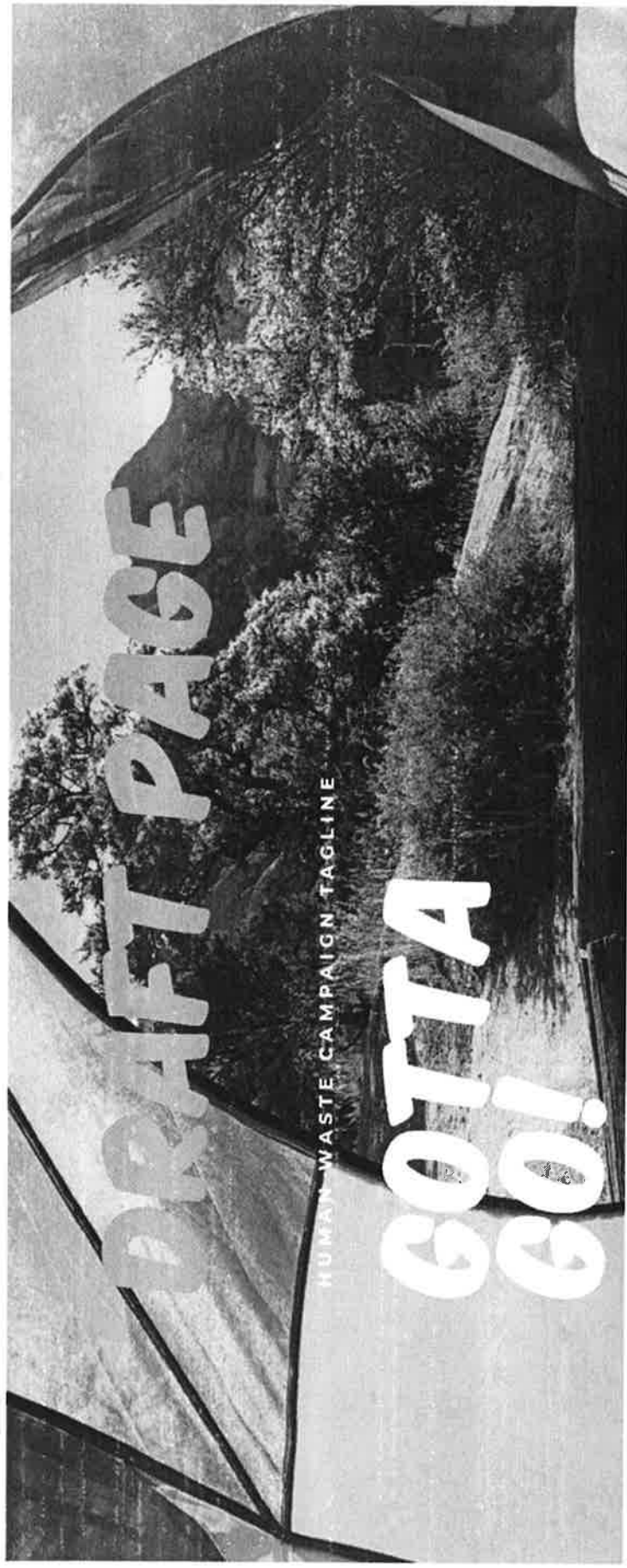
Next Steps

- Keep resources current and relevant
- Assistance
 - Grants to implement best management practices
 - Help us spread the word
- Revisit survey in 1-2 years
- Human waste campaign

Human Waste Campaign

DRAFT-GOTTA GO!

HOME GUIDE DESERT & ALPINE FORESTS RV CAMPING SPECIES



Gottagoutah.weebly.com

An aerial photograph of a rural landscape. A road runs horizontally across the middle of the frame. To the right of the road is a large, dark, textured field, possibly a forest or a field of tall grass. To the left of the road is a lighter, more open area, possibly a field or a road shoulder. The sky is visible at the top of the image, showing some clouds.

Road Map

-
- Background
 - Statewide Water Quality Survey
 - Don't Share Campaign
 - Next Steps
 - **Questions and Discussion**

Questions?

Hope Braithwaite

Assistant Professor for Watershed Quality

Utah State University Davis County Extension Office

hope.braithwaite@usu.edu (435) 919-1324

Thank you!



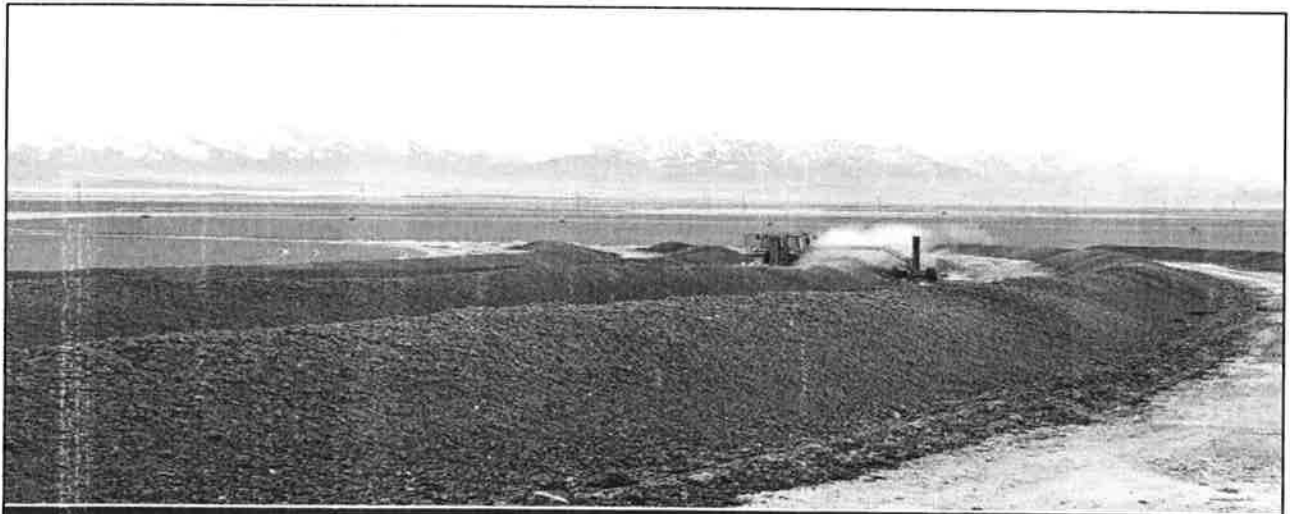
Survey Results

- Most participants have farmed at least 1 to 5 years (92%)
- Manure most common fertilizer (63%)
- Personal/online research, co-op/feed store and soil tests are the top sources of fertilizer application information
- Controlling weeds is biggest small farm management challenge (a comments – pest control, time, labor, water availability)
- Internet information is the top resource (69%) for small farm management information

Survey Results

- Most people in the survey believe their irrigation runoff “stays on property”





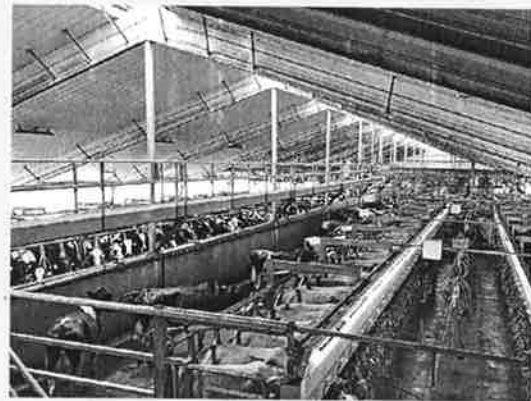
AgVIP Program

Hannah Freeze – Utah Department of Agriculture and Food



Agricultural Voluntary Incentive Program

The goal of the Agricultural Voluntary Incentive Program is to implement practices that can increase crop yields, improve soil health and add value to operations, while improving water quality.



PROGRAM OVERVIEW

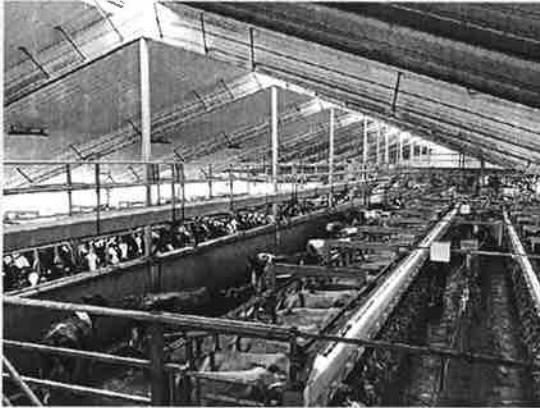


Incentive Payments

- One-time \$1,000 payment to work with a UDAF planner and develop a CNMP
- Payment will be made after the plan is complete.
- After CNMP implementation, DWQ will pay the producer \$12/ac. per acre covered under the CNMP for the following 3 years.
- DWQ offers protection for producers who are enrolled in the program from fines/penalties in the event of a catastrophic weather event causing a discharge

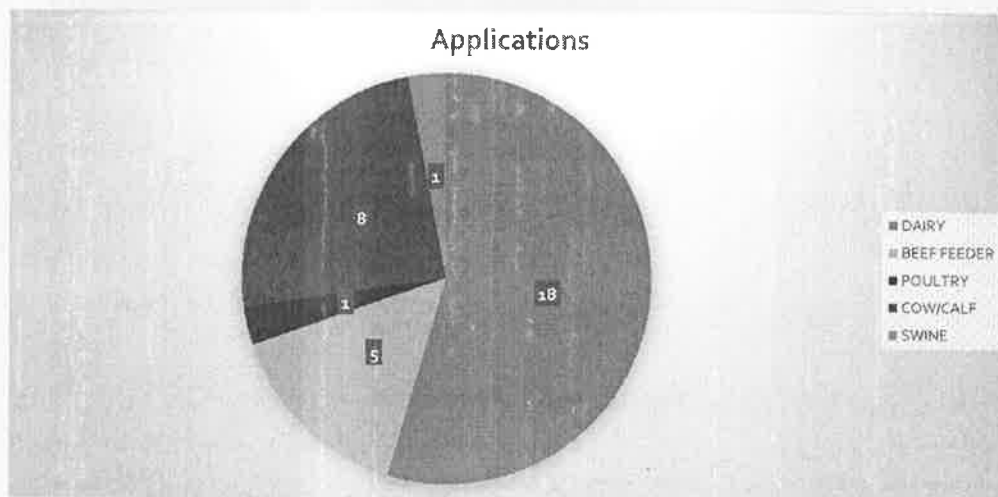


AGVIP PROGRAM ROLL-OUT



- Signup period was open for one month, July 1st – 31st
- 33 applications received
- Covering 17,430 acres
- \$660,480 in funding requests

APPLICATION BREAK-DOWN



Applications per County

Box Elder - 6
Cache - 5
Garfield - 2
Millard - 3
Morgan - 3
Piute - 5
Sanpete - 1
Tooele - 1
Weber - 7



SHOWING THE NEED:



OF THE 33 APPLICATIONS:

- 14 have never had a CNMP written
- 8 have CNMPs older than 5 years
- 15 expressed the need for more storage capacity and/or improved manure handling options.

Environmental Improvements

Proximity to water:

- 17 have fields that boarder surface water.
- 13 have fields that border irrigation water conveyance structures
- 3 don't have fields that boarder any kind of surface water.

Source Water Protection:

- 6 of the applicants are located in source water protection areas.

Proximity to impaired water bodies:

- 27 of the applicants are located in a watershed that is either listed on the 303(d) list of impaired water bodies, or is implementing a TMDL.



FUNDING

\$660,480 in requests

\$150,000 committed to the program from DWQ and is available to cover CNMP writing and acreage payments.

Funding for structural and manure handling improvements is not currently available.



