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HOWARD COUNTY IOWA

Howard Soil and Water Conservation District Five-Year Soil and Water
Resource Conservation Plan (2022-2026)

Preparer Information: Howard SWCD, Conservation Assistant, 311 7th St. SW Suite #2, Cresco, Iowa, (563) 547-3040

Taxpayer Information: N/A

Return Document To: See above

Grantors:

Brian Hrdlicka, Chair, Howard SWCD

Grantees:

See pg. 2

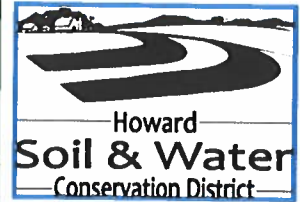
Legal Description:

N/A

YOU ARE HEREBY NOTIFIED that the Howard Soil and Water conservation District has adopted a 5-year soil and water resource conservation plan which was approved by the State soil Conservation Committee and signed by the director of the Division of Soil Conservation in April 2022. The plan is available for your inspection during normal business hours, Monday – Friday 8:00 a.m. – 4:30 p.m., at the district office located at the address listed above. This notice is given pursuant to the requirements of Iowa Code section 161A.7n(2), or as subsequently amended.



Howard
Soil & Water Conservation District
Five-Year Soil & Water Resource Conservation Plan
2023-2027



311 7th St. SW Suite #2
 Cresco, Iowa

[Howard SWCD Website](#)
[Howard SWCD Facebook](#)

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Soil health and water quality not only determine the quality of human life, but whether human life is possible. Conservation and restoration of our soil and water resources benefits everyone and requires community-wide involvement. The Howard Soil and Water Conservation District (SWCD) invites everyone to get involved in preserving our essential natural resources for future generations.



Implementation of cover crops in a soybean field.

Mission & Vision of the Howard Soil and Water Conservation District

It is the mission of the Howard SWCD to provide leadership and education for protecting, enhancing, and utilizing the soil and water of Howard County, Iowa.

The Priority Goals for the Howard Soil and Water Conservation District are as follows:

The priority goals were established in collaboration with input from a Local Working Group (consisting of farmers, local business owners, and other residents of the community), Howard Commissioners and Natural Resources Conservation Service staff.

Priority goal:	Develop and implement effective watershed projects to protect soil & water quality, and other natural resources.
Priority goal:	Support Watershed Management Authorities and other organizations.
Priority goal:	Assist landowners & operators to improve water quality, reduce erosion, reduce flooding potential, and improve wildlife habitat.
Priority goal:	Fund raising to support technical staff and conservation implementation.
Priority goal:	Conduct a strong conservation education and outreach program.

Who We Are and How We Operate

The Howard Soil and Water Conservation District (SWCD) was organized at the request of residents interested in soil and water conservation. The Howard SWCD was officially formed in 1952. A charter was issued under the provisions of the Soil Conservation Districts' Law, Code of Iowa, Chapter 467A, on November 20, 1942. In the state of Iowa, the geographical boundaries of the County and Conservation District are usually the same. There is a total of 100 Conservation Districts in the state of Iowa.

The SWCD Board is composed of five elected Commissioners. They hold monthly meetings that are open to the public. They also conduct periodic Local Working Group meetings to obtain input and investment of community members and organizations. Their conservation efforts include education and outreach, and they form partnerships that protect and improve the soil and water resources of the district.

What We Do and Who We Serve

The Soil and Water Conservation (SWCD) Board's purpose is to be aware of the soil and water issues of the district and work with the community and related organizations to address them. SWCD Boards serve and support individuals, organizations, farmers, urban residents, local school districts' conservation curriculum and the community-at-large in their work.

What is in the Plan

The Soil and Water Resource Conservation Plan (SWRCP) represents the state of soil and water resources of the Howard SWCD District and the priority goals to focus on for the next five years to protect and promote natural resources. The Board also uses the SWRCP to formulate their annual plans. The SWRCP includes a brief history of the district, an inventory of the district's resources, and an in-depth description of the SWCD Board's goals and credits.



Harlan Hickie



Brian Hrdlicka



Chas Malek



Kayla Sebastian



Bart Wilson

Howard Assistant Commissioners

There are currently no Assistant Commissioners in Howard County.

(See Appendices A through E for specific information about the goals, actions, and timeframes.)

**Howard Soil & Water
Conservation District (SWCD)
Five-Year Soil & Water Resource Conservation Plan
2023-2027**

Preface

“Man, despite his artistic pretensions and his many accomplishments, owes his existence to a six-inch layer of topsoil and the fact that it rains.” ~ Author Unknown

The lands and water we enjoy in the Howard Soil & Water Conservation District are resources borrowed from future generations. We are responsible for their care. This Five-Year Soil and Water Resources Conservation Plan (SWRCP) recognizes that obligation. We have created it with the belief that we can enjoy the benefits of land and water stewardship today, while ensuring environmental security for tomorrow. Your involvement in the plan’s success is your gift to the future.

“Someone’s sitting in the shade today because someone planted a tree a long time ago.” - Warren Buffett

General Description of the Howard Soil & Water Conservation District

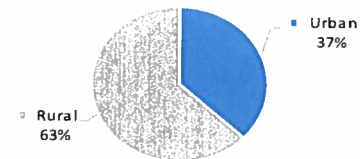
The total area of the district is approximately 473 square miles or 302,848 acres. Roughly 99 percent of the total acres in the district are land, and less than one percent is in water. 63 percent of the population of Howard County lives in rural areas and the other 37 percent lives in urban areas. Urban land usage is less than one percent in the district. Agricultural tendencies of the Howard District have seen pastures, hay ground, and timber ground converted to row crop production. Towns and rural areas in the district rely on wells for their water supply. There is one lake in the district in addition to various other creeks, streams, rivers, and ponds in the district.

Population & Employment

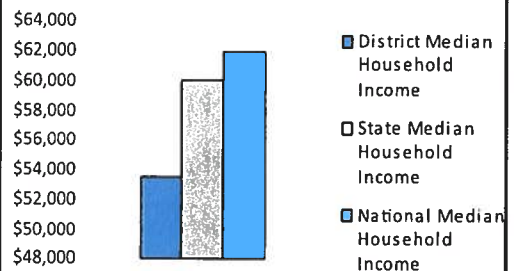
General Population & Employment	
Total Population	9,321
Working Population	4,764
Median Household Income	\$ 53,500.00
Female Population	50%
Male Population	50%
Caucasian	9750.0%
African American or Black	0.7%
Hispanic or Latino	1.5%
Asian	0.2%
Native American or Native Alaskan	0.0%
Other Race/More than One Race	0.1%

2010 US CENSUS

Rural & Urban Population



Median Income

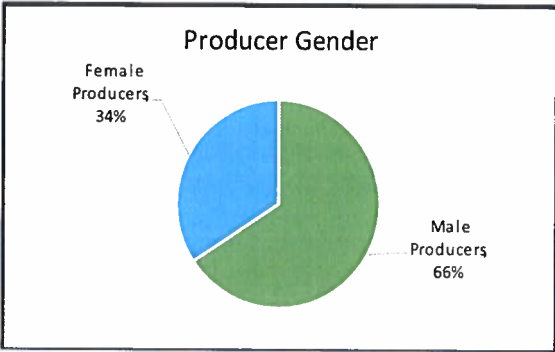


2010 US CENSUS

Producer Information

Producers	
Total Producers	1,480
Primary Occupation: Farming	684
Primary Occupation: Other	796
Average Age	55.7
Caucasian Producers	1,446
Hispanic	7
African American or Black	0
American Indian or Alaska Native	1
Other Race/More than One Race	26

2010 US Census



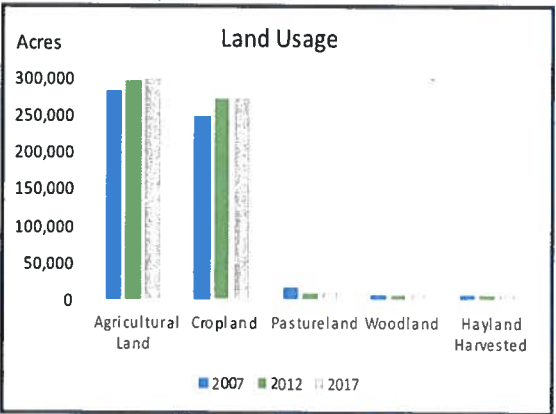
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Soil & Water Resources

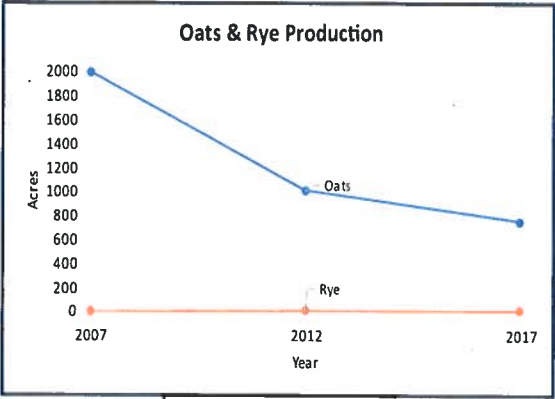
Existing Land Use

Existing Land Use	
Total Land (Acres)	302,848
Urban Usage (Acres)	1,088
Rural Usage (Acres)	301,760
Number of Farms	879
Average Farm Size (Acres)	124
Land in Farms (Acres)	299,175
Percent of District Land in Farms	99%
CRP (Acres)	24,332
Organic Ag. Land (Operations)	27

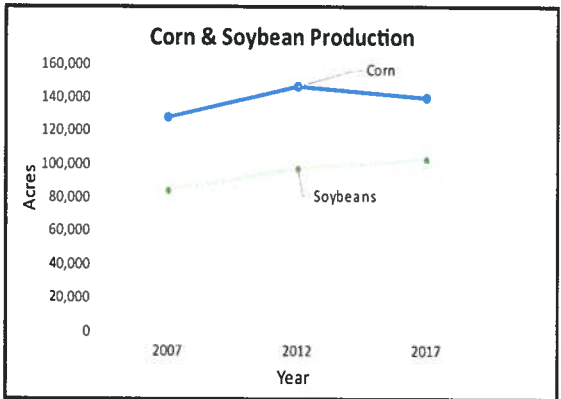
Nass.usda.gov (2007-2017) Data



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Other Significant Crops

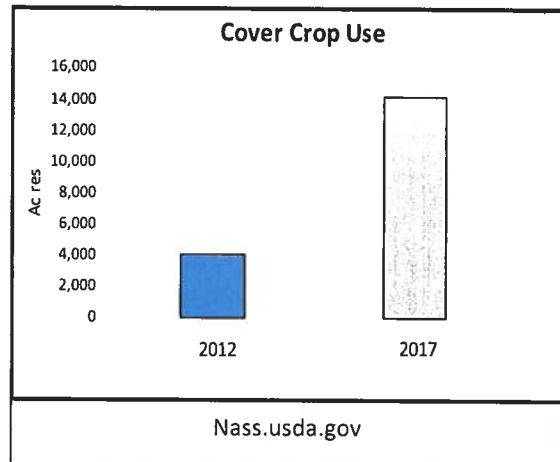
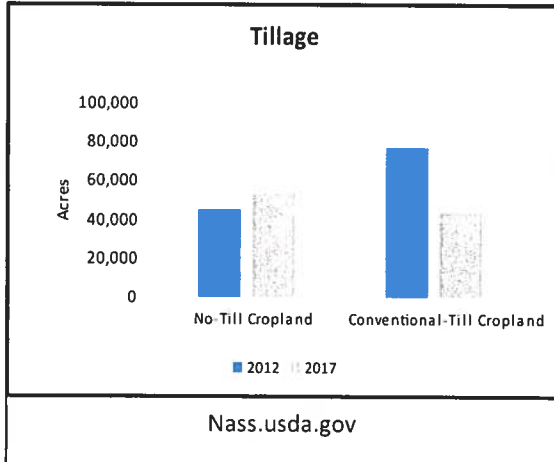
Crop	Acres Produced (2017)
Vegetable Totals, In the Open	175
Pumpkins	36
Melons, Cantaloup	16
Beans, Snap	7
Berries	4
Nass.usda.gov	



Silver Creek Watershed tour. Photo courtesy of the Howard SWCD.

Soil Resources (refer to maps in appendices)

Practice	2012	2017
Tile Drained	168,864	186,607
Artificially Drained via Ditch	5,845	1,455
Under Conservation Easement	2,075	1,849
No-Till Cropland	44,844	52,571
Intensive-Till Cropland	77,234	43,233
Cover Crop Used	4,010	14,203
Nass.usda.gov		



Highly Erodible Land	
Total Acres	302,848
Highly Erodible Land Acres (HEL)	61,952
Potentially HEL Acres	32,161
HEL Percentage of Total	21%
Potentially HEL Percentage of Total	11%
FSA 2019	

Top Crops by Acres (FSA, 2019)

Crop	Farms	Acres
Corn	1,028	124,902
Soybeans	766	83,647
Grass	624	6,449
Alfalfa	162	4,359
Mixed Forage	171	2,182
Oats	75	1,426
Honey	1	420
Idle	5	251
Cover Crop	1	110
Sorghum	2	80

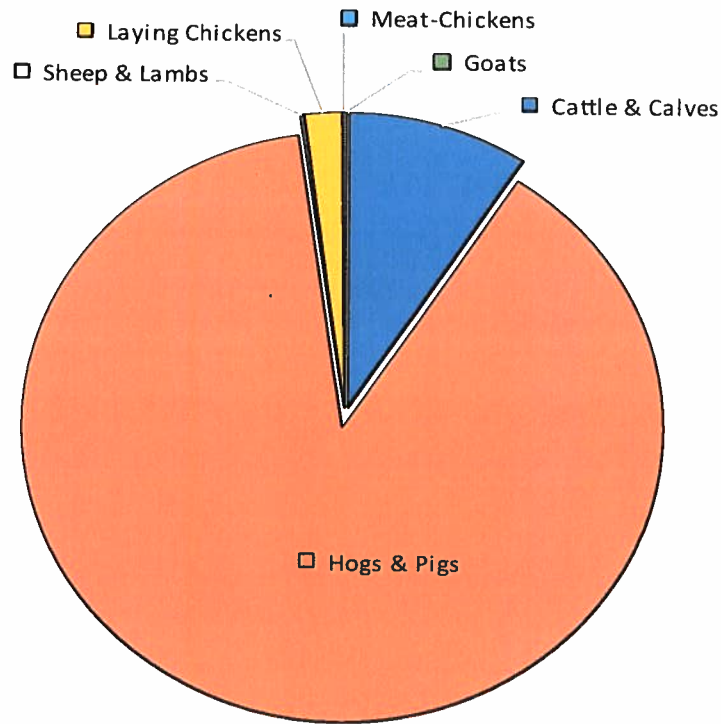
FSA.USDA.GOV

Livestock & Animals

Livestock/Animals (2017)	Number
Cattle & Calves	32,940
Hogs & Pigs	319,079
Sheep & Lambs	640
Laying Chickens	6,777
Meat-Chickens	0
Goats	694

FSA.USDA.GOV

Livestock & Animals



Nass.usda.gov 2017

Water Resources (refer to maps in appendices)

Water Bodies	
Acres of Waterbodies	168
Miles of Perennial Streams	110
Acres of Wetlands	4,574
lowadnr.gov 2019	



Restored wetland. Photo courtesy of [Howard SWCD](#).

List of Water Bodies:

Crane Creek, and the Upper Iowa River are the longest bodies of water in the district, with stream lengths of 18 and 17.5 miles, respectively. Other water bodies include the Wapsipinicon River, Little Wapsipinicon River, Turkey River, in addition to many smaller creeks and private ponds.

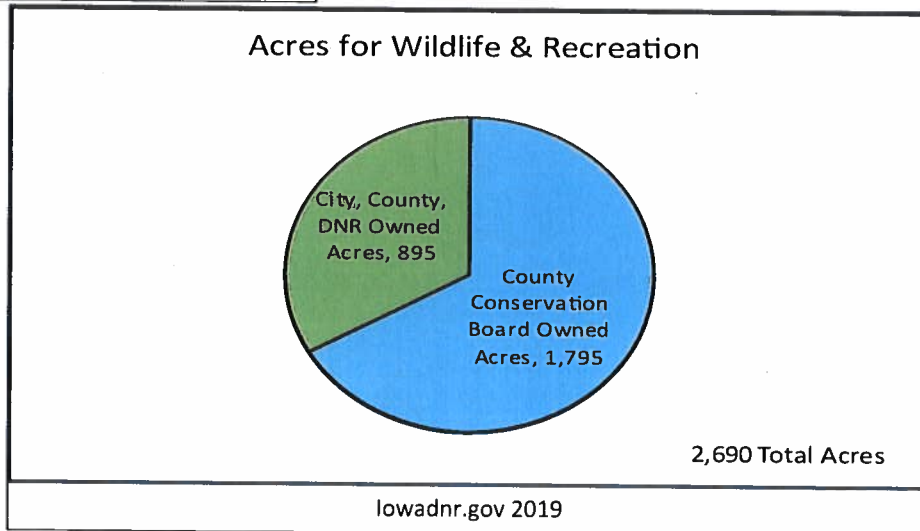
Watershed Management Authorities:

Turkey River WMA, Upper Iowa WMA, and Upper Wapsipinicon WMA. A Watershed Management Authority (WMA) is a mechanism for cities, counties, Soil and Water Conservation Districts (SWCDs) and stakeholders to cooperatively engage in watershed planning and management.

Public Water Sources:

All towns and rural areas in the district rely on wells for their water supply.

Recreation and Wildlife Resources



Mining & Mineral Resources

Ten pits utilizing stone and gravel resources are present in the district.
Please see appendix J for full details and map.

Maps and Additional Documents

The maps and charts included provide further information/understanding about the soil and water resources of the district, and they appear in Appendices F through J.

Priority Goals

The SWCD Board determines their goals from an inventory of the natural resources of the district (above), input of the Local Working Group and the public. The goals for the SWCD for the next five years are listed and described thoroughly in Appendices A through E.

Purpose of the Planning Process

Planning enables District Commissioners and Staff to take positive, proactive steps to preserve and improve our natural resources.

During the SWRCP planning process, the SWCD Board utilized current information about the states of the soil and water in their District. The Commissioners also requested input from the community through the formation of a Local Working Group, and public involvement in public board meetings about the natural resource issues for the district. The Board established goals for the next five years, seeking partnerships with individuals and organizations that share their concerns and objectives.

The finished Five-Year Plan provides Information about the soil and water issues the district faces, and what the SWCD Board strives to implement to preserve and improve our natural resources. It is also an invitation to everyone in the community to get involved in the conservation of the district's natural resources.

Priority Goals

The SWCD Board determines their goals from an inventory of the natural resources of the district (above), input of the Local Working Group and the public. The goals for the SWCD for the next five years are listed and described thoroughly in Appendices A through E.

Credits for Information/Resources

These are the individuals and organizations who provided materials, data, and resources for the information provided in this plan.

- Natural Resource Conservation Service
- Iowa Department of Agriculture & Land Stewardship
- Conservation Districts of Iowa
- Iowa Department of Natural Resources
- National Agricultural Statistics Service
- Farm Service Agency
- US Census Bureau

Credits for Input

These are the individuals and groups that provided input concerning the conservation issues and potential goals for the district.

- Local Working Group Members (Residents of Howard County)
- District Staff
- Elected Commissioners
- Howard County Supervisors

Organization & Authority

The Howard Soil and Water Conservation District was organized at the request of local citizens interested in soil and water conservation. A charter was issued under the provisions of the Soil Conservation Districts' Law, Code of Iowa, Chapter 467A, on November 20, 1942. The boundaries of the district and the county are the same, (the exception is Pottawattamie County being divided into two districts). Howard consists of 12 townships. The district is a subdivision of state government governed by five locally elected commissioners, who are elected on the general ballot and serve four-year terms. District Commissioners are charged by the Iowa General Assembly with the restoration and conservation of the soil, water, and the related natural resources of the county (Chapter 161A.5). The district receives support services from the Iowa Department of Agriculture and Land Stewardship. Commissioners can appoint as many Assistant Commissioners as they deem necessary. At this date, there are currently no Assistant Commissioners serving the Howard SWCD.

Additional authorities have been given to the Soil and Water Conservation District since it was founded in 1942. Some of these additional authorities are:

1. Sub-districts (Chapter 467A, Sec. 13-41) of a soil and water conservation district may be formed for the purpose of carrying out watershed protection and flood prevention programs with the sub-district but may not be formed solely for the purpose of establishing or taking over the operation of an existing drainage district.
2. The Commissioners of the Soil and Water Conservation District shall adopt reasonable regulations (Chapter 467A, Sec. 42-53) to establish a soil loss limit or limits for the district and provide for the implementation of the limit or limits and may subsequently amend or repeal their regulations as they deem necessary. Chapter 467A also provides for mandatory erosion control after due process.
3. The Soil and Water Conservation District (Chapter 467B) advises and consults with counties and sub-districts upon the request of any of them or any affected landowners, and is authorized to cooperate with other state subdivisions, or instrumentalities and affected landowners, as well as with the federal government or any department or agency thereof, to construct, operate, and maintain suitable projects for flood or soil erosion control.
4. Under Chapter 467C, the County Board of Supervisors can establish districts having for their purpose of soil conservation and the control of flood waters. The establishment of these districts requires the approval of the Soil and Water Conservation District along with the Department of Natural Resources. This section includes the role of the district in representing the rural as well as urban interests in the administration of the Erosion Control Law and other programs in which the district is involved. Consultative assistance is provided to both cities and the county upon request. Also, these authorities are within the Code of Iowa, Chapter 467E – Agricultural Energy Management and Chapter 467F – Water Protection Projects and Practices. However, the ultimate responsibility for soil erosion control rests with the district pursuant to Chapter 161A, Subchapter V. The district is authorized to request assistance from and enter into Memorandums of Understanding between themselves and other federal, state, and local entities to carry out their assignment and leadership role in the conservation, development, and productive use of the county's soil, water, and related natural resources.

Active Memorandums of Understanding have been signed with:

- Natural Resources Conservation Service
- Iowa Department of Agriculture and Land Stewardship

District Policies

Some of the duties, authorities, and responsibilities of the district commissioners are to provide guidance for soil and water conservation in the district. This includes but is not limited to conducting surveys, investigations, demonstrations, and help to determine research needs relating to soil and water problems. To collaborate with other agencies, governmental or otherwise, and with landowners/operators; to promote the development of comprehensive programs of planning, application, and maintenance soil erosion control and conservation practices. Our activities are intended to benefit the people of the district, the state of Iowa and our nation to ensure our natural resources are here for the next generations.

The Howard County Soil and Water Conservation District is an equal opportunity provider and employer in line with all state and federal opportunity guidelines.

Howard SWCD reserves the right to modify the Five-Year Soil & Water Resource Conservation Plan as needed for the best interest of our Natural Conservation Goals.



Trees for Kids program. Photo courtesy of [Howard SWCD](#).

Statement of Adoption

We, the Commissioners of Howard Soil and Water Conservation District, adopt this program on the 15 day of March 2022.



Brian Hrdlicka
Chair, Howard SWCD

Notary Acknowledgement

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this acknowledgement is attached.

State of: Iowa

County of: Howard

On 03/15/22 before me, Julie Chapman
(notary)

Personally appeared, Brian Hrdlicka
(signer)

Personally known to me

OR

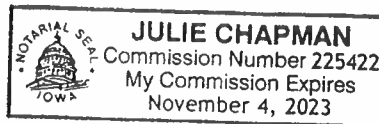
Prove to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and has hereby acknowledged to me that they have executed the same in their authorized capacity, and that by their signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal


Notary Signature

(Seal)

Julie Chapman
Print Name



Statement of Approval

This *5-Year Soil & Water Resource Conservation Plan* of the Howard Soil and Water Conservation

District was reviewed and approved by the Iowa Department of Agriculture and Land Stewardship

Division of Soil Conservation & Water Quality

on April 7, 2022.



Susan Kozak

**Director of Soil Conservation & Water Quality Division
Iowa Department of Agriculture & Land Stewardship**

Appendix A

Priority Goal: Develop and implement effective watershed projects to protect soil & water quality, and other natural resources.

Actions Planned	Timeframe	Milestones
<ul style="list-style-type: none"> Identify local partners and conduct outreach in the Silver Creek, Turkey River Headwaters and Chihak Creek Watersheds. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Engage with local partners to further watershed projects Continue water sampling in the Silver Creek, Turkey River Headwaters, and Chihak Creek
<ul style="list-style-type: none"> Hold the Annual Project Review in conjunction with a County Partner's Meeting. 	<ul style="list-style-type: none"> Annually 	<ul style="list-style-type: none"> Determine when and where to host meeting Send invitation to partners such as Legislators, Representatives, Secondary Roads, Historical Society, Economic Development, Conservation Board, Chamber, Farm Bureau, Pheasants Forever, Board of Supervisors, ISU Extension, etc.
<ul style="list-style-type: none"> Continue outreach efforts through field days, public gatherings, media campaigns, newsletters, etc., to further engage with local organizations and community members in targeted watershed areas. 	<ul style="list-style-type: none"> Ongoing Annually 	<ul style="list-style-type: none"> Evaluate outreach efforts, conduct field days, and use every public gathering as an opportunity to share information about the project Conduct a media campaign, engage community organizations in discussions and make residents of the watershed aware of conservation practices available Publish a Silver Creek Water Quality Project and Turkey River Headwaters and Chihak Creek Project newsletter on a quarterly basis and mail to all rural watershed landowners and residents
<ul style="list-style-type: none"> Continue promoting conservation practices. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Promote urban conservation practices Promote pastureland practices

Factors Limiting Practice Application

- Staff and commissioner time/availability.

Actions Needed to Overcome Limiting Factors

- Utilizing local partners to assist in the implementation of HSWCD goals.
- Expand outreach to partners outside of Office.
- Prioritizing landowners in targeted watersheds.

Yearly Goal Updates

Year	Actions Completed, (Date)	Revisions to Goals, Actions	Additional Goals/Actions
1			
2			
3			
4			
5			

Appendix B

Priority Goal: Support Watershed Management Authorities and other organizations.

Actions Planned	Timeframe	Milestones
<ul style="list-style-type: none"> Support the Turkey River Watershed Management Authority. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Attend at least one meeting a year Support through various means
<ul style="list-style-type: none"> Support the Upper Wapsipinicon Watershed Management Authority. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Attend at least one meeting a year Support through various means
<ul style="list-style-type: none"> Support the Upper Iowa Watershed Management Authority. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Attend at least one meeting a year Support through various means
<ul style="list-style-type: none"> Support the Northeast Iowa RC&D. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Attend at least one meeting a year Support through various means

Factors Limiting Practice Application

- Time available for commissioners to attend meetings.

Actions Needed to Overcome Limiting Factors

- Determining which meeting(s) to attend.

Yearly Goal Updates

Year	Actions Completed, (Date)	Revisions to Goals, Actions	Additional Goals/Actions
1			
2			
3			
4			
5			

Appendix C

Priority Goal: Assist landowners & operators to improve water quality, reduce erosion, reduce flooding potential, and improve wildlife habitat.

Actions Planned	Timeframe	Milestones
<ul style="list-style-type: none"> Promote and share pertinent information with customers about practices that are available to them to further increase conservation practice implementation within the county. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Make information available to customers regarding financial assistance and technical support (newspapers, newsletter, Facebook page, website, etc.) Strive to develop "whole farm plans" for each producer HSWCD works with; that will ultimately result in education about their farm, what resources they have, and possible programs that may be available to assist them Promote CRP to customers and conservation organizations (Pheasants Forever, Ducks Unlimited)
<ul style="list-style-type: none"> Host annual field days. 	<ul style="list-style-type: none"> Annually 	<ul style="list-style-type: none"> Promote the Nutrient Reduction Strategy by hosting an ag waste management and nutrient management field day Host and/or promote a cover crop field day
<ul style="list-style-type: none"> Review cost share priorities and pursue additional supplemental funding from various sources. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Review cost share priorities for IFIP and EQIP Pursue additional supplemental State and EQIP funding and special project funding
<ul style="list-style-type: none"> Increase implementation of edge of field practices. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Make information available to customers regarding financial assistance and technical support for practices such as bioreactors and saturated buffers.

Factors Limiting Practice Application

- Improving outreach to those who may not be aware of resources available to them or who are unwilling to implement practices

Actions Needed to Overcome Limiting Factors

- Focusing on the development of "whole farm plans"
- Increasing information available to customers and landowners in Howard County – especially financial and technical information

Yearly Goal Updates

Year	Actions Completed, (Date)	Revisions to Goals, Actions	Additional Goals/Actions
1			
2			
3			
4			
5			

Appendix D

Priority Goal: Fund raising to support technical staff and conservation implementation.

Actions Planned	Timeframe	Milestones
<ul style="list-style-type: none"> Develop fundraising opportunities and apply for additional funding to support HSWCD needs. 	<ul style="list-style-type: none"> Annually 	<ul style="list-style-type: none"> Annual Booster Club solicitation with categories based on donation amount Research other grants and fundraising opportunities
<ul style="list-style-type: none"> Recruit volunteers to assist with special projects and office workload. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Develop list of volunteers Reach out to them if assistance is needed
<ul style="list-style-type: none"> Meet with local groups to highlight HSWCD accomplishments and request annual monetary donation. 	<ul style="list-style-type: none"> Annually 	<ul style="list-style-type: none"> Meet with Board of Supervisors, Pheasants' Forever, Howard County Experimental Farm, etc.
<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none">

Factors Limiting Practice Application

- Limited funding available to conduct district activities
- Staff and commissioner time/availability.

Actions Needed to Overcome Limiting Factors

- Reaching out to local partners for support, as well as looking for other funding opportunities.
- Recruiting volunteers to assist with HSWCD goals.

Yearly Goal Updates

Year	Actions Completed, (Date)	Revisions to Goals, Actions	Additional Goals/Actions
1			
2			
3			
4			
5			

Appendix E

Priority Goal: Conduct a strong conservation education and outreach program.

Actions Planned	Timeframe	Milestones
<ul style="list-style-type: none"> Further conservation education in the district through lessons and scholarship opportunities. 	<ul style="list-style-type: none"> Annually 	<ul style="list-style-type: none"> Conduct annual "Arbor Day trees for kids" event for 3rd graders in the Howard-Winneshiek school districts & purchase trees for participants Conduct annual Natural Resources Day outdoor classroom for all 5th graders in the Howard-Winneshiek school district Sponsor scholarships for graduating High School seniors and college students who are pursuing a degree in agriculture or natural resources Assist with conservation tour for High School Environmental Studies class
<ul style="list-style-type: none"> Share conservation-related information through annual report, articles, and displays. 	<ul style="list-style-type: none"> Annually Ongoing 	<ul style="list-style-type: none"> Promote Soil and Water Conservation week (newspapers, newsletter, Facebook page, website) Publish regular articles (newspapers, Facebook page, website) Publish annual report (newspaper, newsletter) Develop a booth display for the Howard County Fair
<ul style="list-style-type: none"> Attend Ag and conservation days 	<ul style="list-style-type: none"> Annually 	<ul style="list-style-type: none"> Attend 1-4 ag and conservation organization meetings with a display booth
<ul style="list-style-type: none"> Conduct HSWCD district operations. 	<ul style="list-style-type: none"> Example 	<ul style="list-style-type: none"> Ensure that Civil Rights and Outreach responsibilities are upheld in all outreach, education, customer services and employment practices Have at least one commissioner attend the CDI Annual Meeting Have at least one commissioner attend the CDI Spring Regional Meeting
<ul style="list-style-type: none"> Increase public awareness of conservation practices. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Host public Conservation Tour of local practices.

Factors Limiting Practice Application

- Staff and commissioner time/availability.

Actions Needed to Overcome Limiting Factors

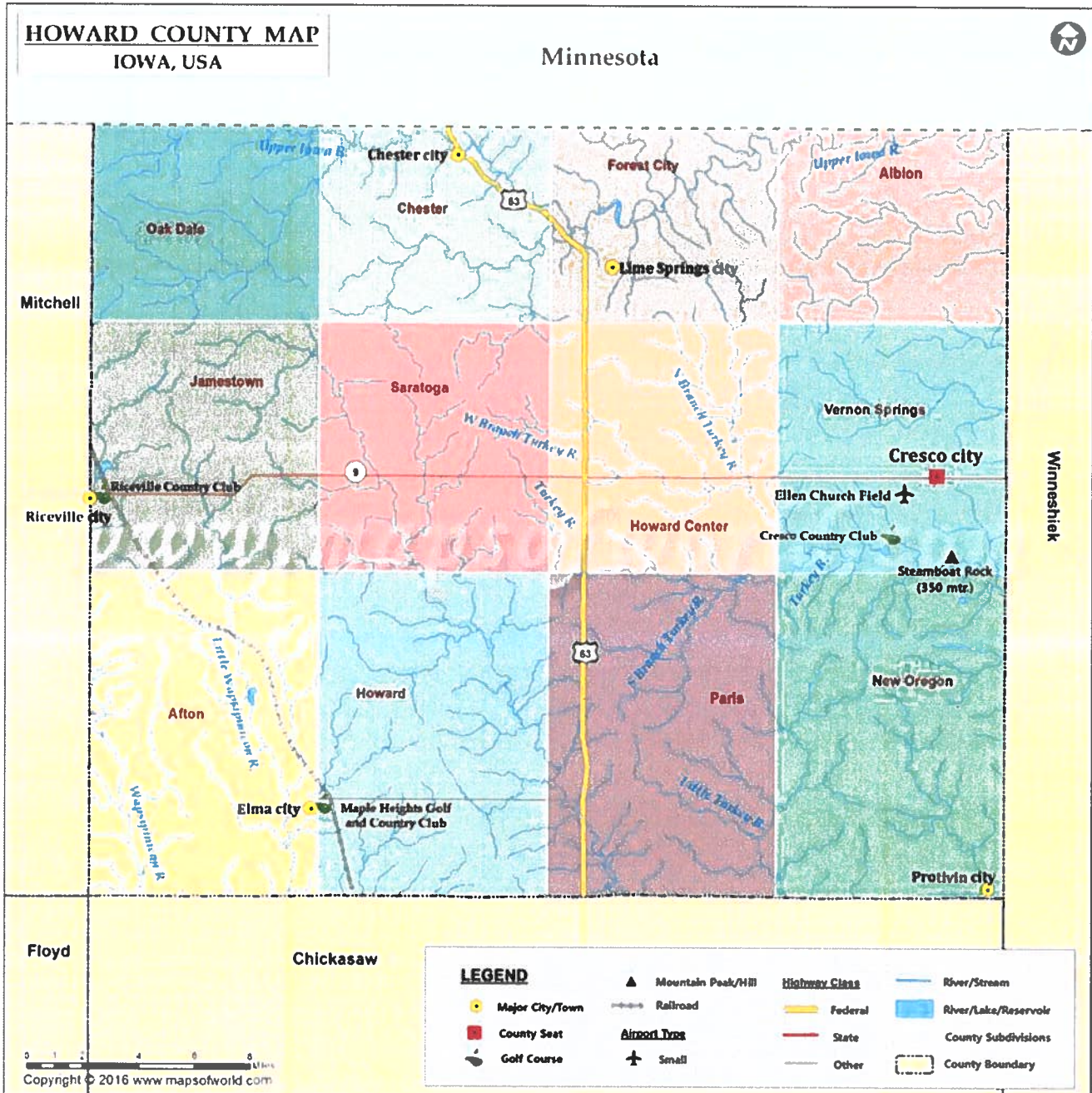
- Partnering with other SWCDs to assist in outreach to schools.
- Expanding outreach to multiple communication platforms.

Yearly Goal Updates

Year	Actions Completed, (Date)	Revisions to Goals, Actions	Additional Goals/Actions
1			
2			
3			
4			
5			

Maps

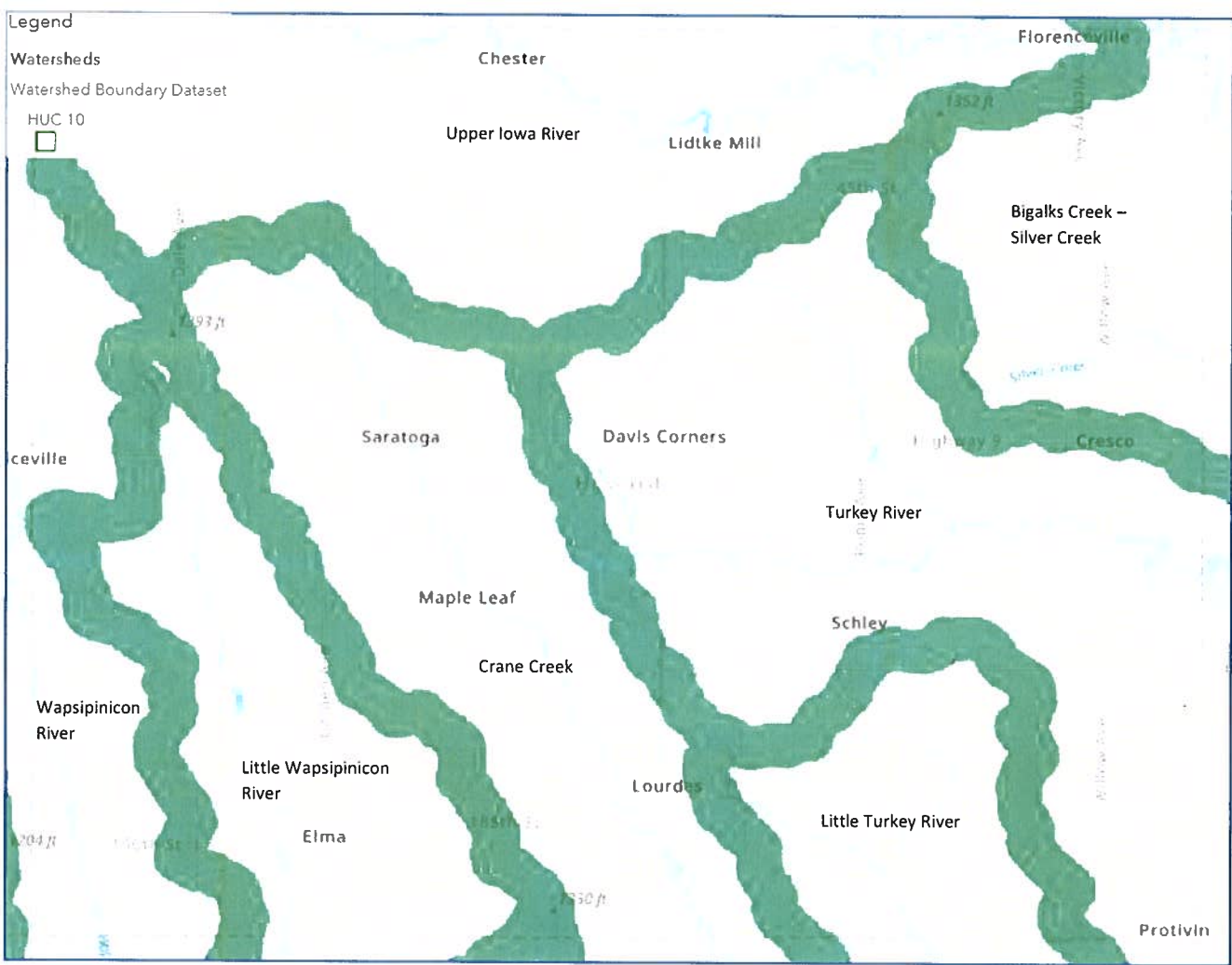
Townships



Township Map

Maps

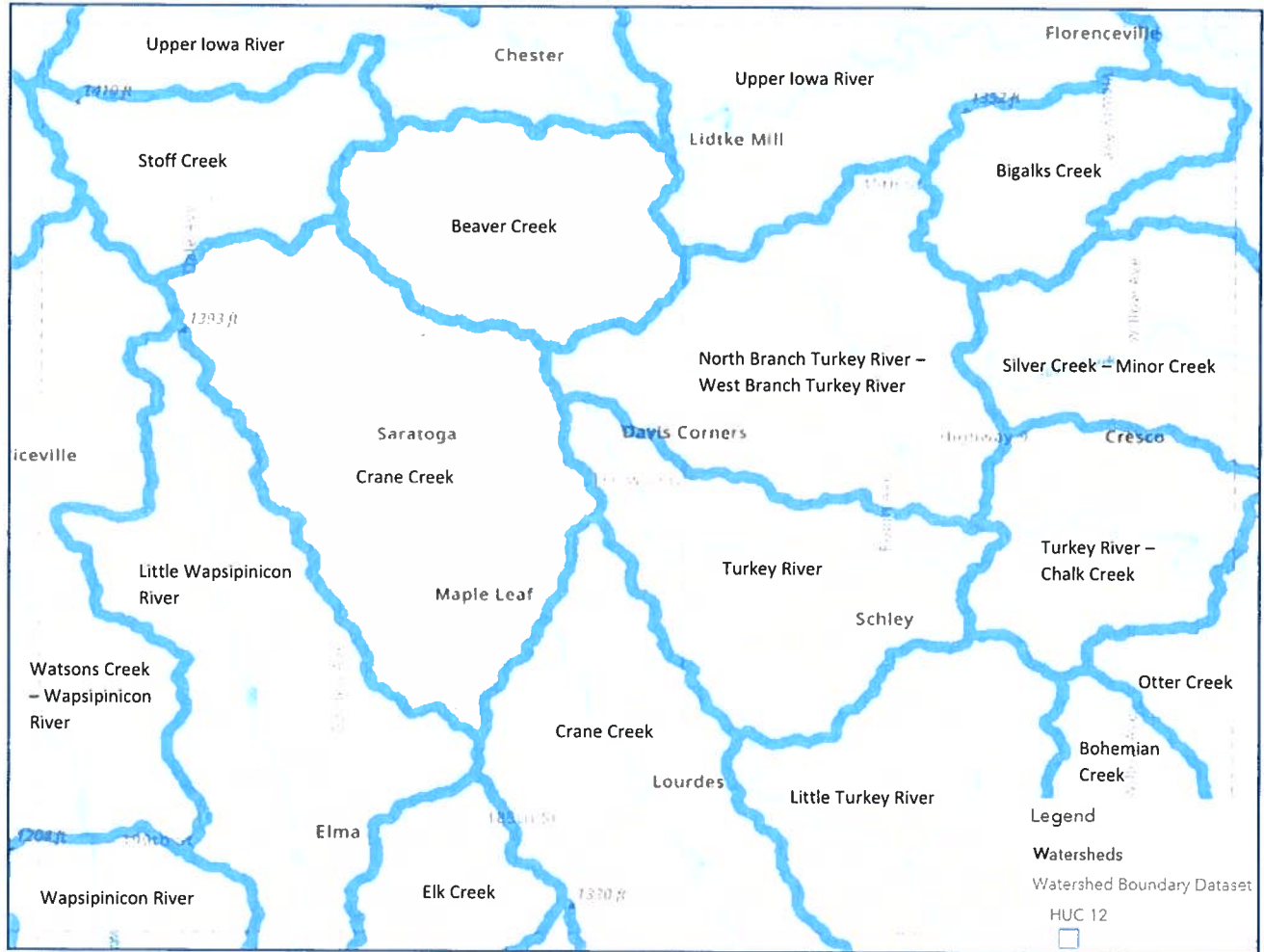
Hydrological Unit Code Watersheds Maps: show the full areal extent of surface water drainage for the U.S. using a hierarchical system of layered hydrologic units at various scales, each with an assigned hydrologic unit code (HUC). HUCs are delineated and georeferenced to U.S. Geological Survey. HUC 8 maps the subbasin level, analogous to medium-sized river basins and a HUC 10 covers the drainage area for a watershed, typically 40,000 and 250,000 acres in size.



[Interactive HUC 10 Watershed Map](#)

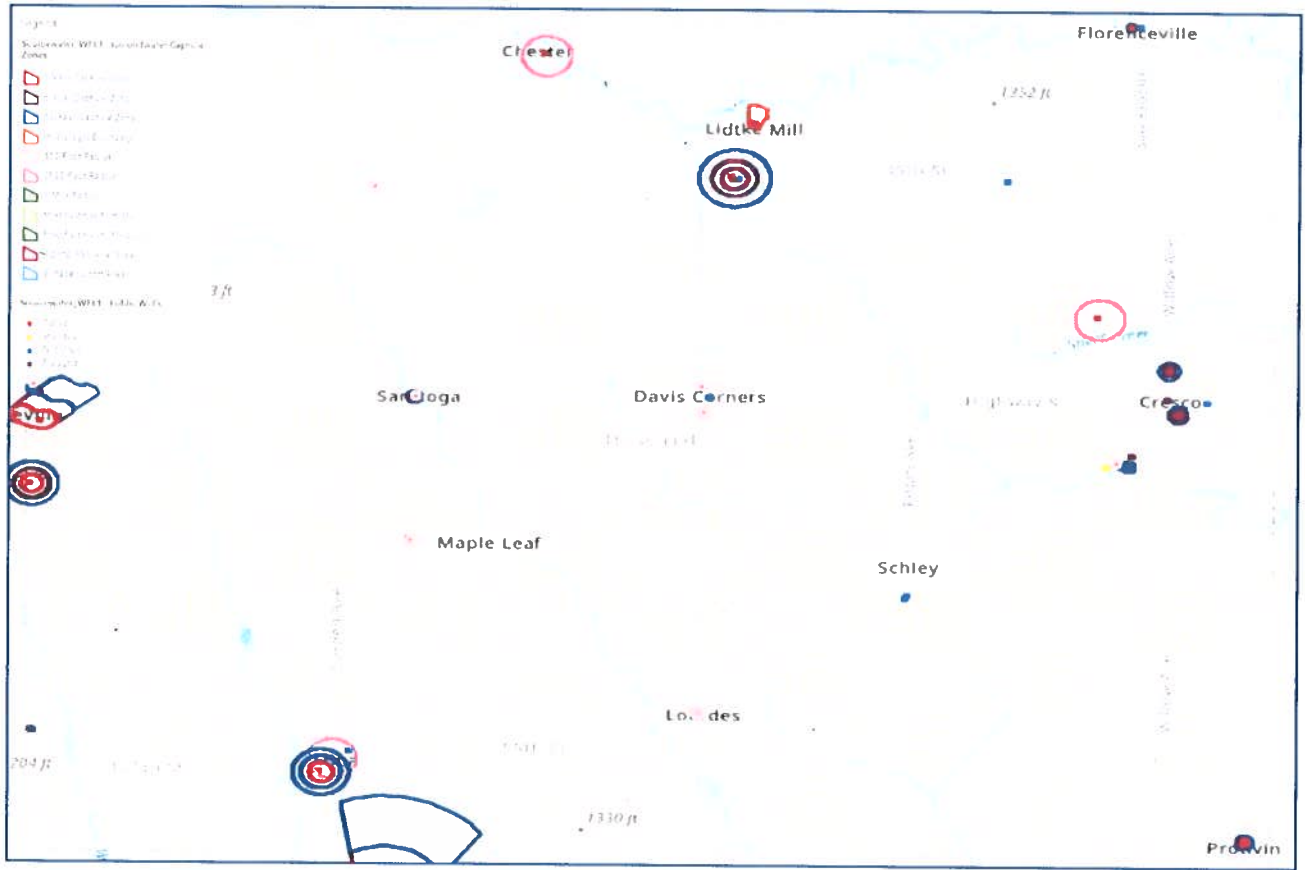
Maps

HUC 12 Watersheds



[Interactive HUC 12 Watershed Map](#)

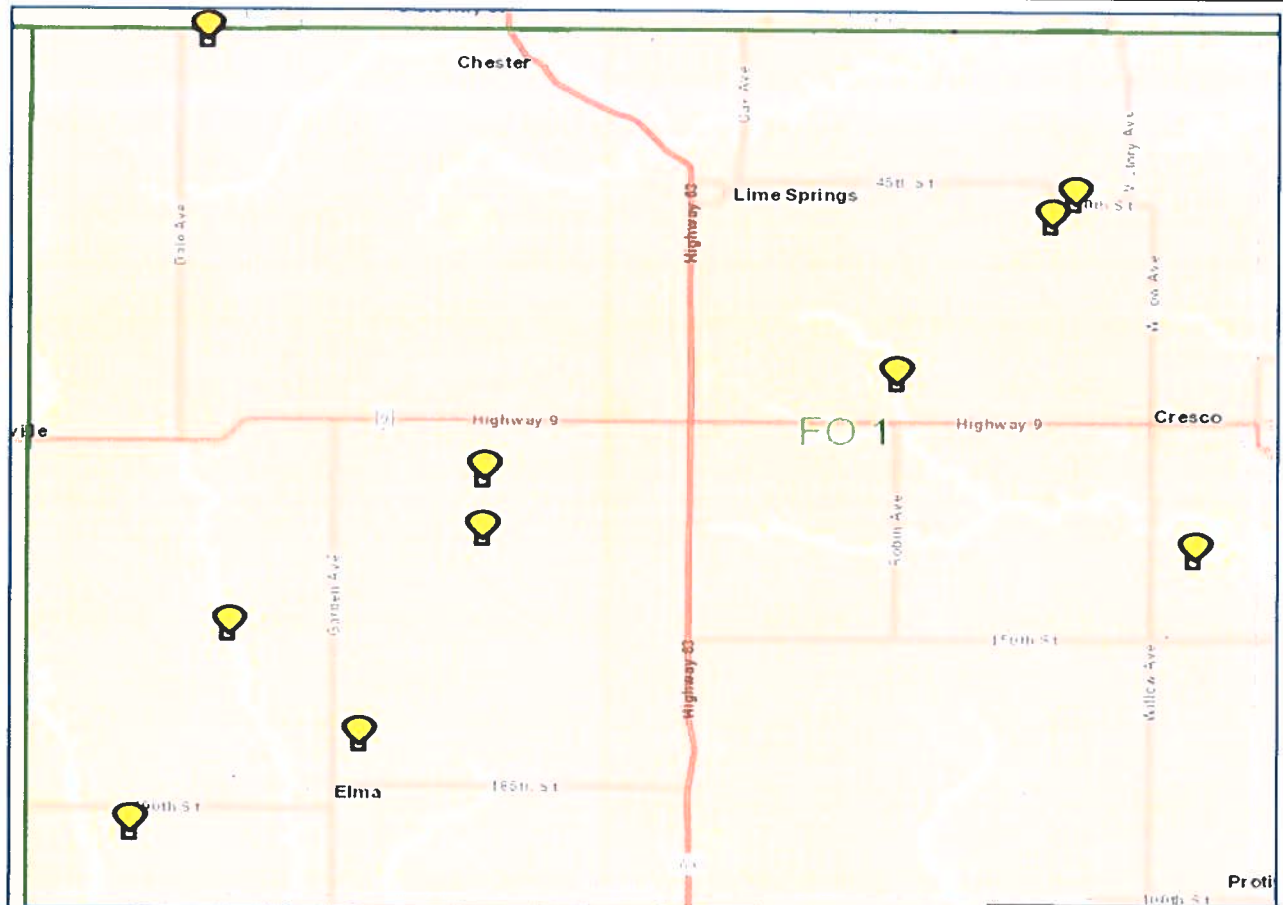
Source Water Map (2020)



[Interactive Source Water Map](#)

Maps

Facility ID	Facility Name	Address	Programs
312048192	Daly Quarry	1384 KINGS ROAD Cresco, IA 52136	Wastewater-NPDES General Permit #5 - Quarries-IAG140065
312048218	Dotzler Quarry	9161 Robin Ave Lime Springs, IA 52155	Wastewater-NPDES General Permit #5 - Quarries-IAG140067
312051533	Eckerman Pit	5424 UNITY AVENUE Cresco, IA 52136	Wastewater-NPDES General Permit #5 - Quarries-IAG140511
312049897	Eckerman Quarry	5111 UPLAND AVENUE Cresco, IA 52136	Wastewater-NPDES General Permit #5 - Quarries-IAG140282
312048227	Elma Quarry	18350 HOLLY AVENUE Elma, IA 50628	Wastewater-NPDES General Permit #5 - Quarries-IAG140068
312048272	Holsclag Quarry	4518 10th St Riceville, IA 50466	Wastewater-NPDES General Permit #5 - Quarries-IAG140073
312364728	Hoover Sand Pit	4911 150TH ST Elma, IA 50628	Wastewater-NPDES General Permit #5 - Quarries-IAG140565 Water Supply-Water Use-9898
312048281	Maple Leaf Quarry	12435 MAPLE LEAF ROAD Elma, IA 50628	Wastewater-NPDES General Permit #5 - Quarries-IAG140074
312048316	Nelson Quarry	11295 Jade Ave Lime Springs, IA 52155	Wastewater-NPDES General Permit #5 - Quarries-IAG140077
312049191	O'donnell Quarry	19503 CEDAR AVENUE Elma, IA 50628	Wastewater-NPDES General Permit #5 - Quarries-IAG140180



Mining Interactive Map

Local Working Group

What is a Local Working Group?

Local Working Groups are composed of agricultural producers, owners/operators of non-industrial private forest land, professionals representing agricultural and natural resource interests, and individuals representing a variety of disciplines in the soil, water, wetland, plant, forestry, and wildlife sciences who are familiar with agricultural and natural resource issues in the local community.

Role of Local Working Groups

Local Working Groups provide recommendations to the District Board of Commissioners, the District Conservationist and the State Conservationist on local natural resource priorities and criteria for conservation activities and programs.

Membership

Local Working Group membership aims to be diverse and focus on agricultural interests and natural resource issues existing in the local community. To ensure that recommendations of the Local Working Group take into account the needs of diverse groups served by USDA, membership shall include, to the extent practicable, individuals with demonstrated ability to represent the conservation concerns of particular historically underserved groups and individuals including, but not limited to, minorities; women; persons with disabilities; and socially and economically disadvantaged groups.

Howard Soil and Water Conservation District's Five-Year SWRCP Public Input Meetings

01/26/2022-Public Planning & Input Meeting

02/17/2022-Public Local Working Group Meeting



Another restored wetland site in Howard County. Photo courtesy of Neil Shaffer and Howard SWCD.