

Mitchell Soil and Water Conservation District Five-Year Soil and Water
Resource Conservation Plan (2021-2025)

Preparer Information: Mitchell SWCD, Conservation Assistant, 1529 Main St., Osage, Iowa, (641) 732-5504

Taxpayer Information: N/A

Return Document To: See above

Grantors:

Bruce Johnson, Chairman, Mitchell SWCD

Grantees:

See pg. 2

Legal Description:

N/A

YOU ARE HEREBY NOTIFIED that the Mitchell 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 May 2021. The plan is available for your inspection during normal business hours, Monday – Friday 8:00 a.m. – 4:00 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.



Mitchell
Soil & Water Conservation District
Five-Year Soil & Water Resource Conservation Plan
2021-2025



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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 Mitchell Soil and Water Conservation District (SWCD) invites everyone to get involved in preserving our essential natural resources for future generations.



Soybean field in Mitchell County.

Mission & Vision of the Mitchell Soil and Water Conservation District

It is the mission of the Mitchell SWCD to assist producers and landowners in adopting practices that protect and improve soil and water quality.

The Priority Goals for the Mitchell 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), Mitchell Commissioners and Natural Resources Conservation Service staff.

Priority goal:	Improve soil health and water quality within Mitchell County through public policy, education, and coordination with other organizations.
Priority goal:	Collaborating with WMAs and other entities to promote SWCD aims and further develop partnerships within the County.
Priority goal:	Revamping social media and outreach presence to increase awareness of SWCD within the County.
Priority goal:	Engaging more with government officials/legislators to increase opportunities for collaboration and advance opportunities for additional funding.
Priority goal:	Increase outreach to non-operating landowners through newsletters, online media, newspaper articles, field days, etc.

Who We Are and How We Operate

The Mitchell Soil and Water Conservation District (SWCD) was organized at the request of residents interested in soil and water conservation. The Mitchell SWCD was officially formed in 1950. 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 are 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 Mitchell 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.



Bruce Johnson



Eric Jellum



Sue Sletten



Jackie Armstrong



Dana Norby

Mitchell Assistant Commissioners

Milt Owen

Chelsea Rowcliffe

Dale Hemann

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

**Mitchell Soil & Water
Conservation District (SWCD)
Five-Year Soil & Water Resource Conservation Plan
2021-2025**

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 Mitchell 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

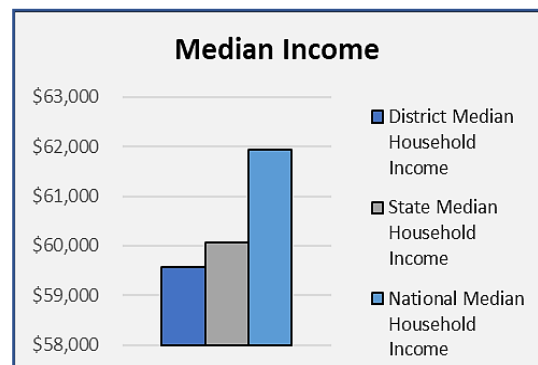
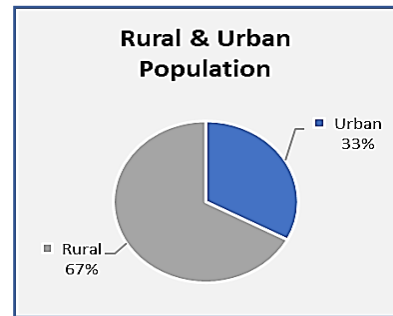
General Description of the Mitchell Soil & Water Conservation District

The total area of the District is approximately 469 square miles or 300,224 acres. Roughly 99 percent of the total acres in the District are land, and the other one percent is in water. Roughly two-thirds of the population lives in rural areas. Urban land usage is less than one percent in the District. Agricultural tendencies of the Mitchell District have seen pastures, hay ground, and timber ground converted to row crop production. There is one lake in the District. Towns and rural areas in the District rely on wells for their water supply. There are various other creeks and ponds in the District.

Population & Employment

General Population & Employment	
Total Population	10,663
Working Population	5,104
Median Household Income	\$ 59,558.00
Female Population	50%
Male Population	50%
Caucasian	97.9%
African American or Black	0.1%
Hispanic or Latino	1.3%
Asian	0.6%
Native American or Native Alaskan	0.3%
One Race or Other Race	0.1%

2010 US CENSUS

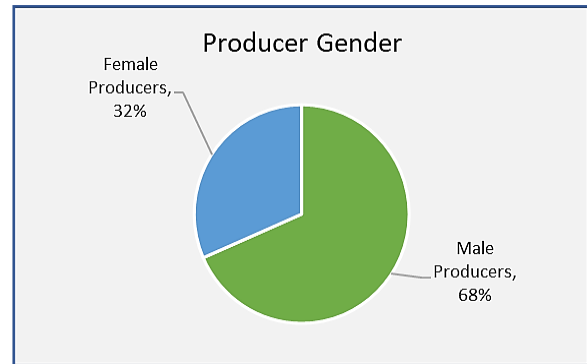


2010 US CENSUS

Producer Information

Producers	
Total Producers	1,341
Primary Occupation: Farming	705
Primary Occupation: Other	585
Average Age	57.6
Caucasian Producers	1,286
Native American or Native Alaskan	2
Hispanic	12
Native Hawaiian or Pacific Islander	0
More than One Race	2

2010 US Census



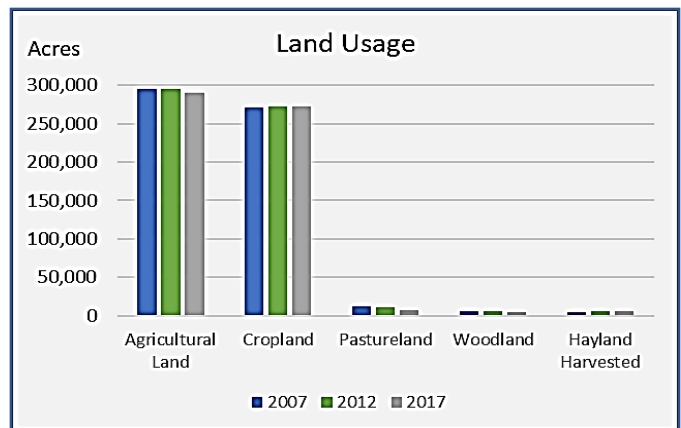
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Soil & Water Resources

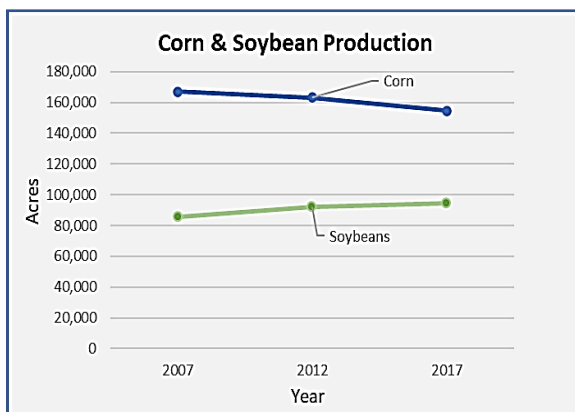
Existing Land Use

Existing Land Use	
Total Land (Acres)	300,224
Urban Usage (Acres)	1,216
Rural Usage (Acres)	299,008
Number of Farms	789
Median Farm Size (Acres)	160
Land in Farms (Acres)	289,250
Percent of District Land in Farms	96%
CRP (Acres)	7,296
Organic Ag. Land (Acres)	1,193

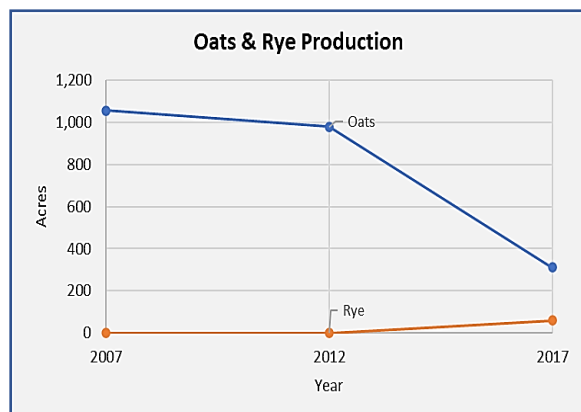
Nass.usda.gov (2007-2017) Data



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Other Significant Crops

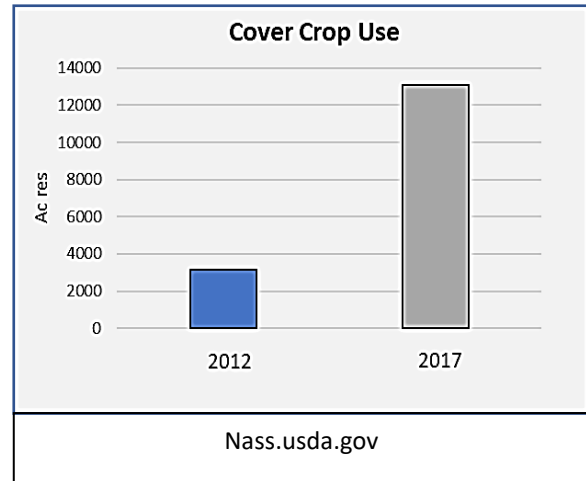
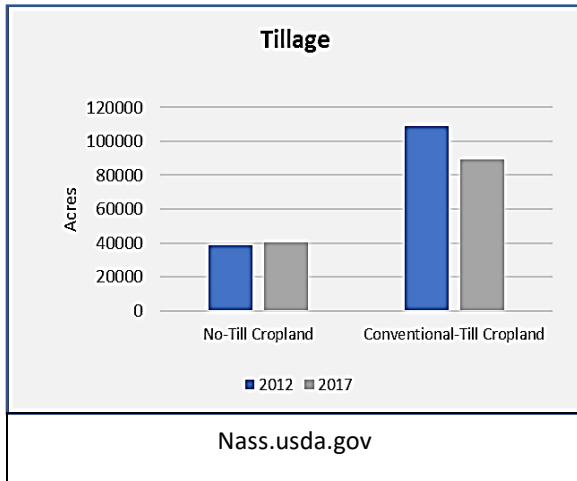
Crop	Acres Produced (2017)
Vegetables	290
Sweet Corn	74
Pumpkins	69
Melons	16
Squash	7
Nass.usda.gov	



Harvest season in Mitchell County.

Soil Resources (refer to maps in appendices)

Practice	2012	2017
Tile Drained	162,433	178,527
Artificially Drained via Ditch	5,947	2,097
Under Conservation Easement	793	536
No-Till Cropland	38,557	40,228
Intensive-Till Cropland	109,041	89,156
Cover Crop Used	3,151	13,101
Nass.usda.gov		



Highly Erodible Land	
Total Acres	300,224
Highly Erodible Land Acres (HEL)	6,594
Potentially HEL Acres	50,690
HEL Percentage of Total	2%
Potentially HEL Percentage of Total	17%
FSA 2019	

Top Crops by Acres (FSA, 2019)

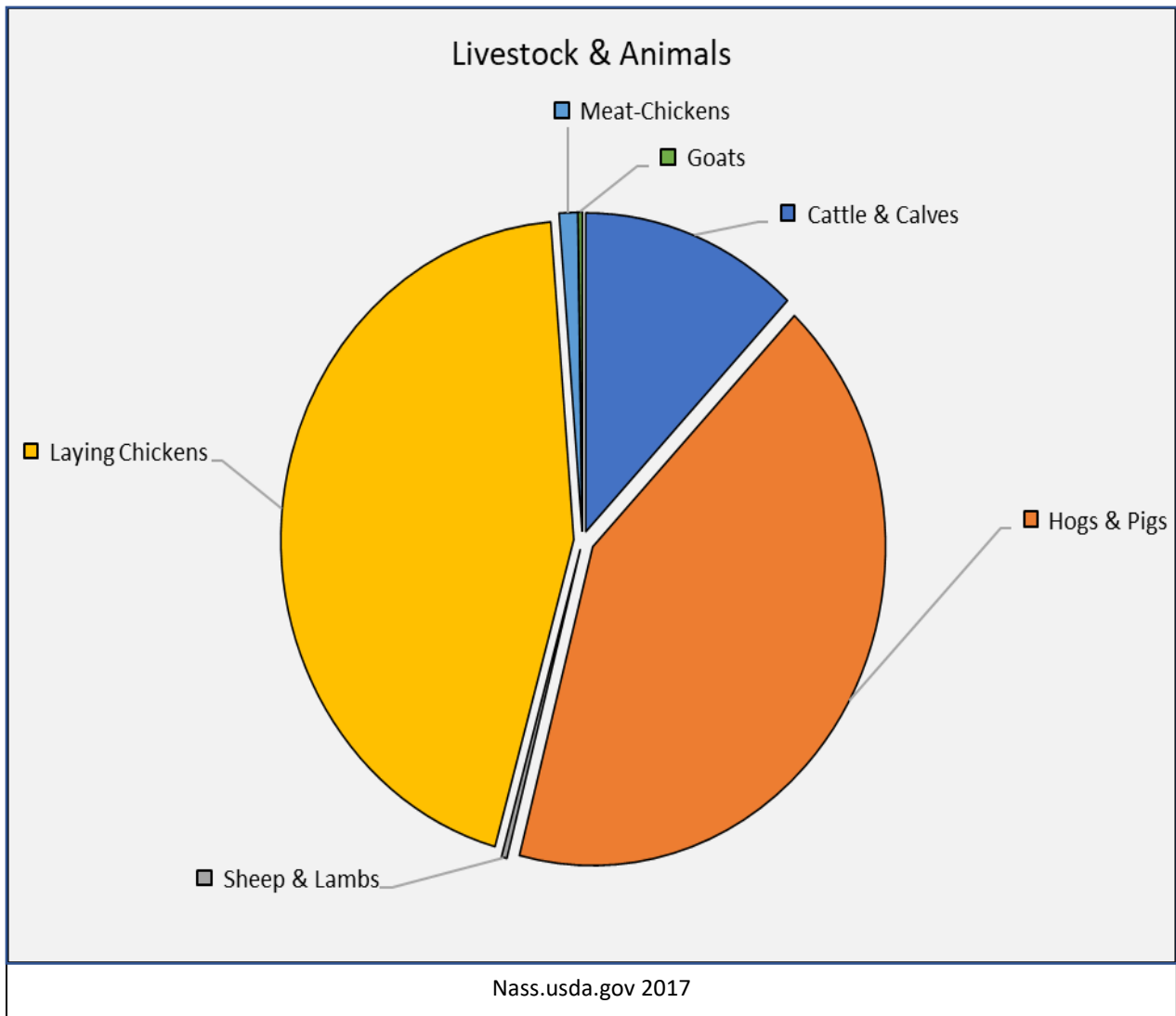
Crop	Farms	Acres
Corn	1,071	146,103
Soybeans	781	90,043
Grass	425	3,660
Mixed Forage	189	3,401
Alfalfa	101	2,229
Oats	37	748
Grassland Reserve Program	2	331
Idle	11	194
Rye	8	184

FSA.USDA.GOV

Livestock & Animals

Livestock/Animals (2017)	Number
Cattle & Calves	55,694
Hogs & Pigs	193,229
Sheep & Lambs	1,406
Laying Chickens	204,613
Meat-Chickens	4,694
Goats	1,080

FSA.USDA.GOV



Water Resources (refer to maps in appendices)

Water Bodies	
Acres of Water Bodies	324.4
Miles of Perennial Streams	122.51
Acres of Wetlands	3,627
lowadnr.gov 2019	



The Rock Creek Watershed Project was created to address water quality issues and the public health of the community.

List of Water Bodies:

The Cedar River, the Little Cedar River, and Wapsipinicon River are the largest bodies of water in the District with stream lengths of 25.97, 23.53, and 16.48 miles, respectively. Other water bodies include Rock Creek, Beaver Creek, Turtle Creek, Burr Oak Creek, Spring Creek, Deer Creek, and Otter Creek in addition to many private ponds.

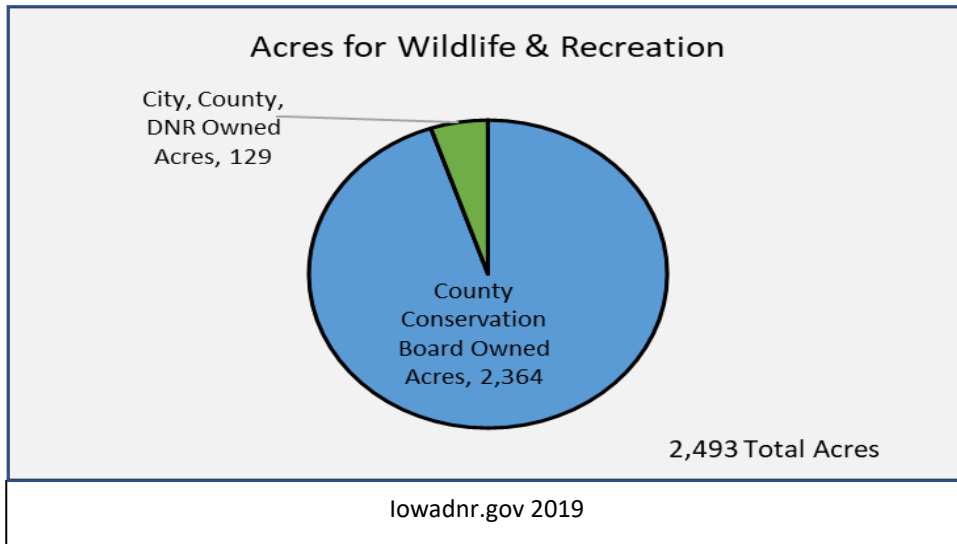
Watershed Management Authorities:

Upper Cedar River 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



Mining & Mineral Resources

Nine pits utilizing stone and gravel resources are present in the district.
Please see appendix K 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 K.

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 Mitchell County)
- District Staff
- Elected Commissioners
- Mitchell County Supervisors
- Claire Carlson, Conservation Districts of Iowa Planning Coordinator

Organization & Authority

The Mitchell 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). Mitchell consists of 17 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 three Assistant Commissioners serving Mitchell.

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:

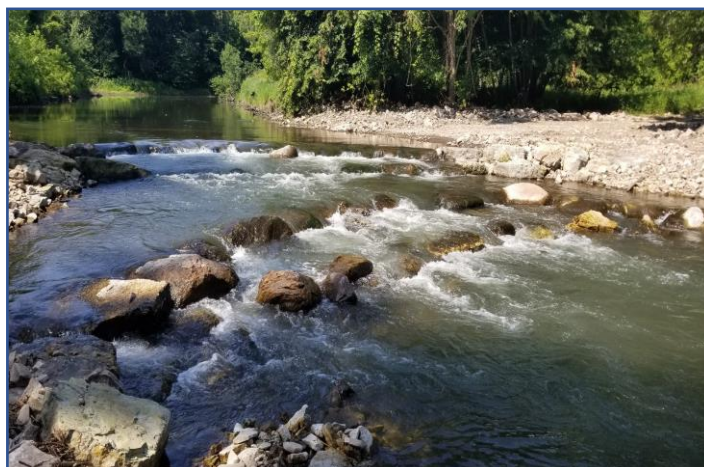
- United States Department of Agriculture, Natural Resources Conservation Service and State of Iowa, Dubuque SWCD, and Iowa Department of Agriculture and Land Stewardship
- Mitchell County Pheasants Forever

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

Mitchell 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.



One of many streams in Mitchell County.

Statement of Adoption

We, the Commissioners of Mitchell Soil and Water Conservation District, adopt this program on the 8th day of April 2021.

Bruce Johnson

Bruce Johnson
Chairman, Mitchell 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: Mitchell

On 4/8/21 before me, Clarence P. Kruse
(notary)

Personally appeared, Bruce Johnson
(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

Clarence P. Kruse
Notary Signature

(Seal)



Clarence P. Kruse
Print Name

Statement of Approval

This *5-Year Soil & Water Resource Conservation Plan* of the Michell 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 May 6 _____, 2021.

Susan Kozak

Susan Kozak

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

Appendix A

Priority Goal: Improve soil health and water quality within Mitchell County through public policy, education, and coordination with other organizations.

Actions Planned	Timeframe	Milestones
<ul style="list-style-type: none"> Increase and provide education on the availability of Best Management Practices (BPMs) within the District and SWCD through events, newsletter, etc. 	<ul style="list-style-type: none"> Annually Fall and Spring 	<ul style="list-style-type: none"> Host an annual educational event and evaluate its success Develop list of experienced Mitchell County farmers who engage in BMPs to advise and consult with farmers in transitioning to sustainable practices Share advisory list/contacts in newspapers and newsletter Invite contacts to speak at annual education event Optimize scheduling to maximize attendance through advanced notice, repeated reminders, and regularity of events Transition to online newsletter to expand audience throughout the year Contact FFA and speak to students interested in agriculture Contact Science departments at high schools and speak to students about environmental issues relevant to Mitchell County Soil and Water Quality Address optimal manure management practices and share information with community
<ul style="list-style-type: none"> Create a new full-time position funded by SWCD, IDALS, and/or Mitchell County: Mitchell County Water Quality Advisor. 	<ul style="list-style-type: none"> 2022 	<ul style="list-style-type: none"> Work with Board of Supervisors and Mitchell County Conservation to develop position, job duties, goal of position Apply for 780-hour employee as an intern or full-time staff member who focuses on flooding issues and water quality within the County Determine funding sources for position Contact Jeff Tisl about Districts who have implemented similar positions
<ul style="list-style-type: none"> Form a water quality working group in Mitchell County to advise and support new Mitchell County Water Quality Advisor. 	<ul style="list-style-type: none"> 2021 	<ul style="list-style-type: none"> Members of working group will join and coordinate with other water quality groups working in Iowa, including Prairie Rivers of Iowa and Upper Cedar Watershed.

Factors Limiting Practice Application

- Limited time of volunteer commissioners
- Economic stress for farmers a barrier to costs of change to regenerative agriculture practices.
- Reluctance to introduce politics into soil and water quality initiatives due to discomfort with divisive issues.
- Limits of local initiatives to affect water quality due to pollutants from outside county.
- Understanding complexity of science—a barrier to acceptance of costly land and water improvements.

Actions Needed to Overcome Limiting Factors

- Limit and focus responsibilities of individual commissioners.
- Educate farmers regarding financial benefits of regenerative agriculture practices.
- Emphasize bipartisan support of productive soil and clean water—these are bridge issues!
- Continue to support regional water initiatives e.g., UCWMIA
- Persistent education

Yearly Goal Updates

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

Appendix B

Priority Goal: Collaborating with WMAs and other entities to promote SWCD aims and further develop partnerships within the County.

Actions Planned	Timeframe	Milestones
<ul style="list-style-type: none"> Consistently attend WMA meetings to increase awareness of SWCD and improve engagement with WMAs. 	<ul style="list-style-type: none"> Annually review Ongoing 	<ul style="list-style-type: none"> Develop t-shirts to advertise Mitchell County at WMA meetings Maintaining a consistent representative at WMA meetings and determine an alternate attendant for meetings
<ul style="list-style-type: none"> Determine and prioritize civic groups within Mitchell County to increase and develop new partnerships. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Develop list of groups within Mitchell County (Contact City Hall to retrieve information about groups) Determine how to develop partnerships with groups Update groups on the SWCD's availability to speak at their meetings Attend 8-12 meetings over the course of a year
<ul style="list-style-type: none"> Invite conservation groups to meetings to speak on how the SWCD can collaborate with the groups to improve conservation within Mitchell County. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Determine a list of conservation entities Establish a list of contacts for conservation entities Invite conservation entities to outreach programs
<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none">

Factors Limiting Practice Application

- Limited time available to volunteer commissioners
- Accessing limited production of t-shirts.
- Budget constraints of outside conservation groups.

Actions Needed to Overcome Limiting Factors

- Limit and focus responsibilities of individual commissioners.
- Utilizing local t-shirt producers or CDI shirt.
 - Use *Create* printing/embroidery businesses in Mitchell County.
- Utilize conservation groups webinars to reduce costs or utilize virtual meetings.
- Develop a budget for conservation group presentations.

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

Appendix C

Priority Goal: Revamping social media and outreach presence to increase awareness of SWCD within the County.

Actions Planned	Timeframe	Milestones
<ul style="list-style-type: none"> Develop a newsletter to discuss activities and updates for the SWCD to share within Mitchell County. 	<ul style="list-style-type: none"> Annually, during Spring 	<ul style="list-style-type: none"> Determine what articles to share within newsletter Create a local article from Mitchell County to share within newsletter Advertise Facebook and website to improve traffic
<ul style="list-style-type: none"> Further develop online and social media presence. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Develop new Facebook page Regularly update Facebook page Continue regularity of website updates
<ul style="list-style-type: none"> Publish articles in the Enterprise Journal and/or Mitchell County Press pertaining to SWCD. 	<ul style="list-style-type: none"> Publish one article quarterly Ongoing 	<ul style="list-style-type: none"> Determine requirements for newspaper articles Share articles on website and social media Maintain regular appearance within newspaper Develop a pool of articles to keep on-hand Write a Mother's Day article focusing on WLL
<ul style="list-style-type: none"> Posting SWCD signage along Highway 9 and 218 or signage for Rock Creek. 	<ul style="list-style-type: none"> Fall 2021 	<ul style="list-style-type: none"> Determine requirements for signage along highways and/or if signs could be attached to existing signs Contact DOT Design SWCD signage

Factors Limiting Practice Application

- Removal of old Mitchell SWCD Facebook page.
- Time available to frequently update social media and website.
- Time available to write articles that are relevant for the season.
- Maintaining a mix of authors for articles.

Actions Needed to Overcome Limiting Factors

- Creation of new Facebook page.
- Utilize 780-hour employee to assist in furthering develop Mitchell County SWCD online presence.
- Developing a rotating list of authors to write articles for newspaper.

Yearly Goal Updates

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

Appendix D

Priority Goal: Engaging more with government officials/legislators to increase opportunities for collaboration and advance opportunities for additional funding.

Actions Planned	Timeframe	Milestones
<ul style="list-style-type: none"> Contact senators and representatives in Des Moines to report on status of soil and water health and support legislative policies that improve environmental conditions in Mitchell County. 	<ul style="list-style-type: none"> Quarterly and at any Town Halls held in County. 	<ul style="list-style-type: none"> Attend Town Hall meetings (one or more commissioners) Write letters to the editor in local newspapers regarding support for pending legislation to protect water and soil
<ul style="list-style-type: none"> Host a legislator for a field day. 	<ul style="list-style-type: none"> Annually 	<ul style="list-style-type: none"> Collaborate with other entities within the District to co-host one field day annually Determine location of field day Showcase local success to encourage future conservation programming support Invite legislators and general public to attend (I.e., aim for 10-20 participants)
<ul style="list-style-type: none"> Increase collaboration and communication with other local government bodies and figures. 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> Invite Mitchell County Supervisors and/or other local government bodies to meetings and events hosted by the District Increase modes of communication between SWCD and local government officials

Factors Limiting Practice Application

- Limited time of volunteer Commissioners.
- Availability of government officials.

Actions Needed to Overcome Limiting Factors

- Ensure to provide government officials as much notice as possible about meetings and events.
- Checking in with government officials and checking their schedules as well.

Yearly Goal Updates

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

Appendix E

Priority Goal: Increase outreach to non-operating landowners through newsletters, online media, newspaper articles, field days, etc.

Actions Planned	Timeframe	Milestones
<ul style="list-style-type: none"> Develop a comprehensive list of landowners within the District. 	<ul style="list-style-type: none"> Summer 2021 	<ul style="list-style-type: none"> Utilize comprehensive list to determine landowners who do not farm their own land (i.e., Prioritizing non-operating landowners)
<ul style="list-style-type: none"> Educate non-operating landowners of their economic interests, agency, and long-term sustainability/viability of land. 	<ul style="list-style-type: none"> At least share 2-3x annually 	<ul style="list-style-type: none"> Improve landowner understanding of decision-making processes of tenant through the sharing interviews, stories, media, etc. Improving non-operating landowner understanding of cost of practices/maintaining relationship with their tenant through sharing interviews, stories, media, etc.
<ul style="list-style-type: none"> Exploring the establishment of landowner community groups. 	<ul style="list-style-type: none"> Ongoing 	<ul style="list-style-type: none"> Determining groups with common interests Establishing a contact with each group Determining how the SWCD can play a role in assisting these groups Utilizing ‘test’ WLL meeting to determine its viability as a group
<ul style="list-style-type: none"> Develop a newsletter to send to all postal customers in Mitchell County and landowners outside of Mitchell County. 	<ul style="list-style-type: none"> Every 5 years Annually – with review 	<ul style="list-style-type: none"> Send newsletter to everyone in the District once every five years updating them on the SWCD Develop an electronic newsletter with current information to share annually or more frequently

Factors Limiting Practice Application

- SWCD meetings are not convenient for the public and not heavily advertised to the public.
- Perception of government interference with independent landowner rights.
- Midwest culture of privacy – difficult to get individuals involved in public groups.
- Cost of hosting events, sharing newsletter, etc.

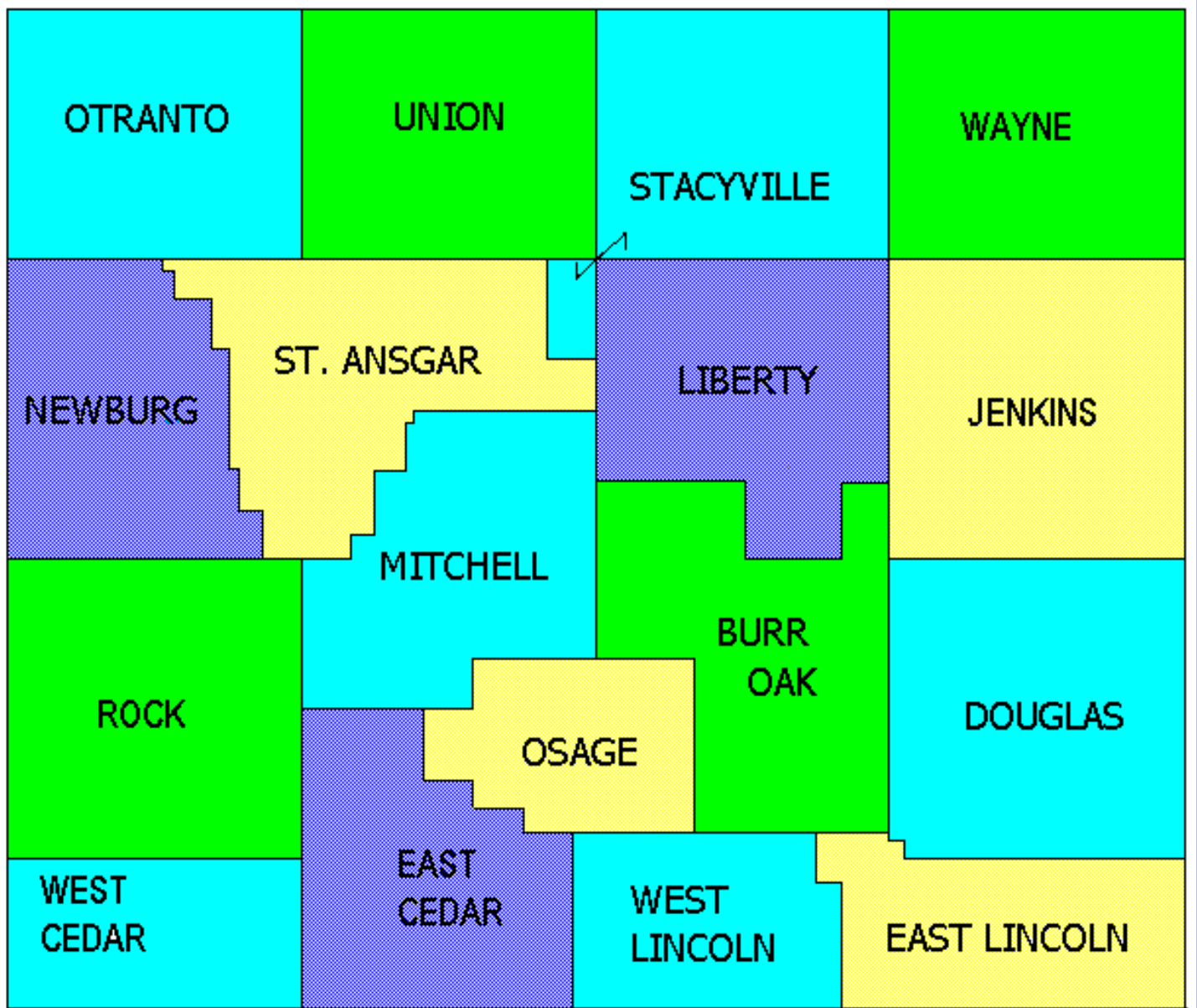
Actions Needed to Overcome Limiting Factors

- Host separate ‘brainstorm meetings’ to invite individuals to outside of the regular SWCD meetings.
- Promote incentives and not regulations.
- Providing incentives to attend meetings (i.e., food, informational packets, etc.)

Yearly Goal Updates

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

Townships:



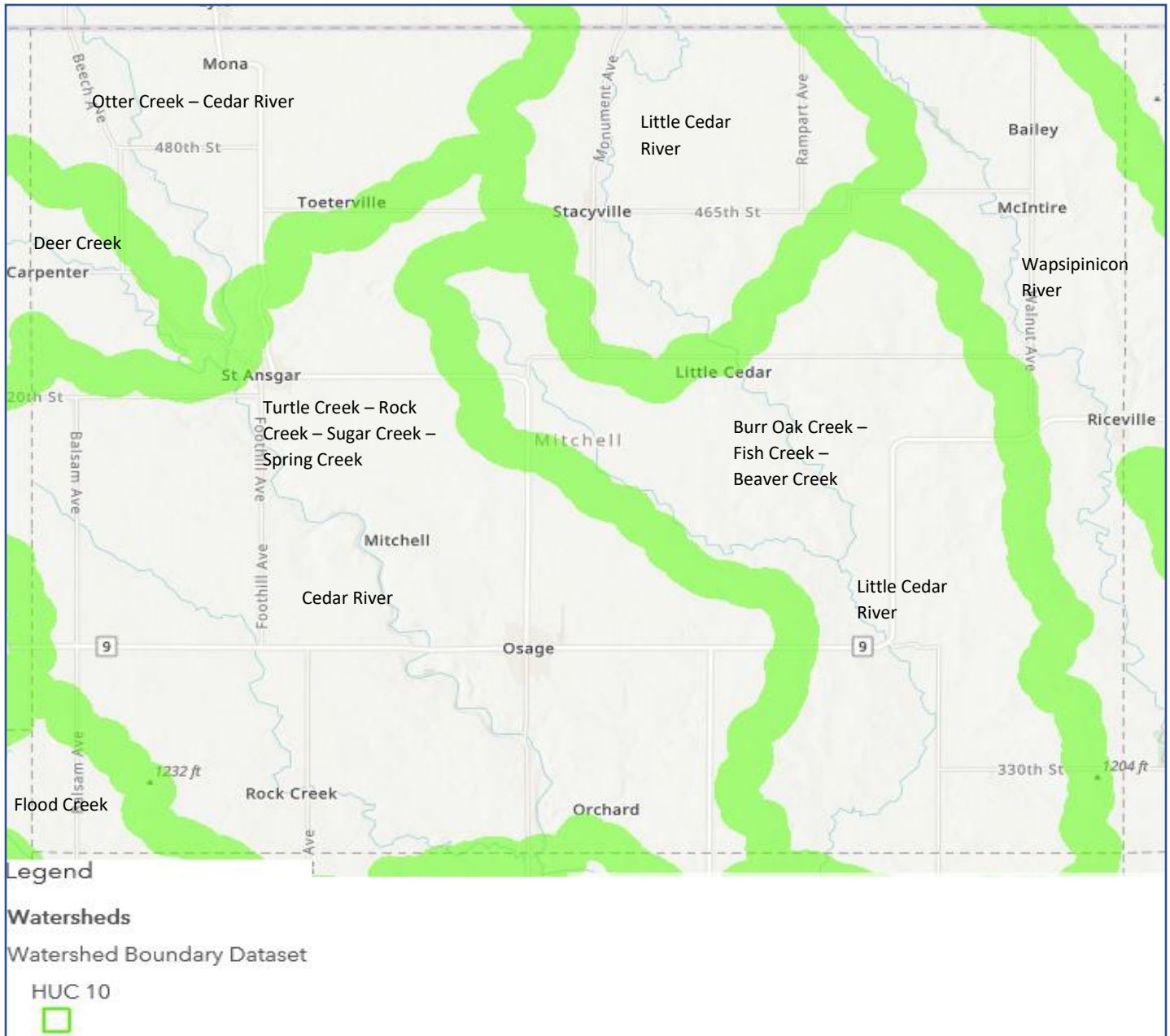
REV 5/30/2002

Townships of Mitchell County

[Mitchell Townships Map](#)

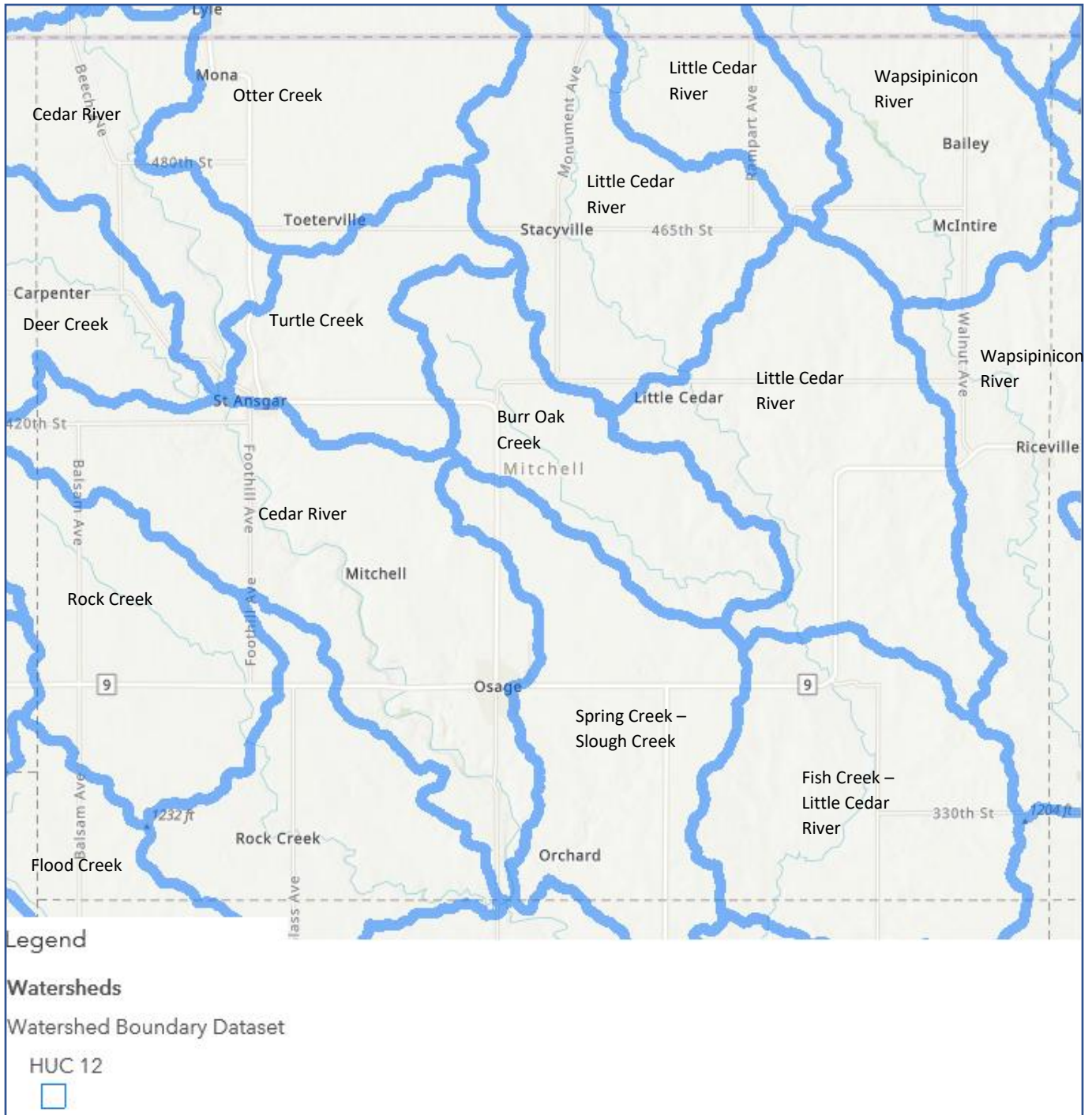
Maps

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](#)

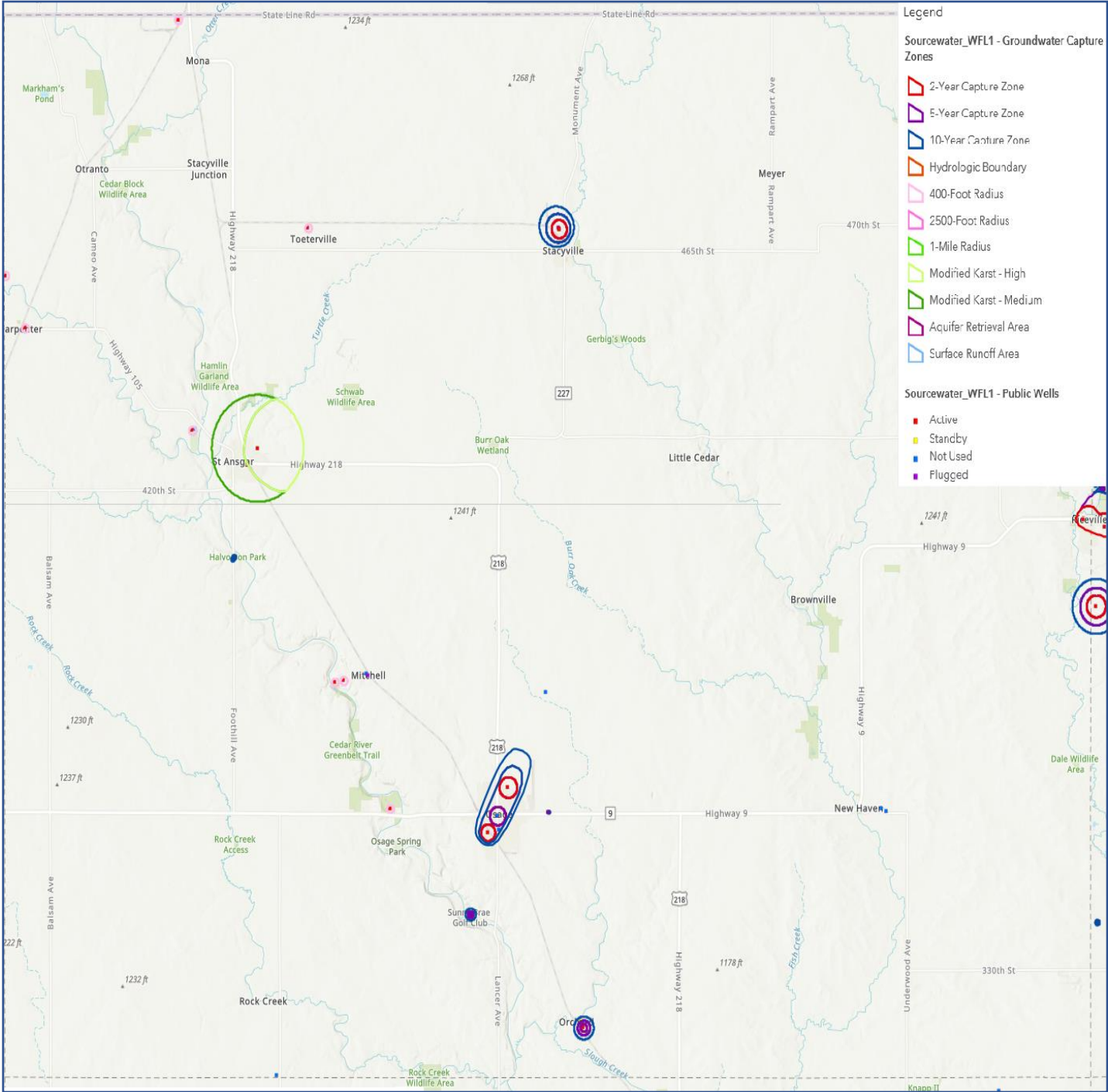
HUC 12 Watersheds



[Interactive HUC 12 Watersheds Map](#)

Appendix I

Source Water Map (2020)



[Interactive Source Water Map](#)

Appendix J

Mining and Mineral Resources (2020)

Facility ID	Facility Name ▲	Address	Programs
312049173	Aspel Quarry	3188 460th St McIntire, IA 50455	Wastewater-NPDES General Permit #5 - Quarries- IAG140178
312049182	Duenow Quarry	4439 INDIGO AVENUE Saint Ansgar, IA 50473	Wastewater-NPDES General Permit #5 - Quarries- IAG140179
312049226	Dynes Quarry	2825 410th St Riceville, IA 50466	Wastewater-NPDES General Permit #5 - Quarries- IAG140183 Wastewater-NPDES General Permit #1-3 - Storm Water-23374
312051146	Grundel Quarry	1024 390th St Osage, IA 50461	Wastewater-NPDES General Permit #5 - Quarries- IAG140447
312051779	Kp Properties	1418 420th St Saint Ansgar, IA 50471	Wastewater-NPDES General Permit #5 - Quarries- IAG140533
312050487	Lesch Quarry	3230 Lancer Ave Osage, IA 50461	Wastewater-NPDES General Permit #5 - Quarries- IAG140356
312051155	Lesch Sand Pit	3211 March Ave Orchard, IA 50460	Wastewater-NPDES General Permit #5 - Quarries- IAG140449
312050496	Schmidt Pit	3370 Lancer Ave Osage, IA 50461	Wastewater-NPDES General Permit #5 - Quarries- IAG140357
312049208	Wagner Quarry	3594 NOBLE AVENUE Saint Ansgar, IA 50472	Wastewater-NPDES General Permit #5 - Quarries- IAG140181



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.

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

11/16/2020-Public Local Working Group Meeting

1/14/2021-Public Planning & Input Meeting



Photo from Rock Creek Watershed.